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

DATA PACKAGE

SEMI-VOLATILE ORGANICS

PROJECT NAME : NAVFAC NWIRP BETHPAGE, NY SITE 1 OU-2 - 32258

AECOM TECHNICAL SERVICES, INC.

13640 Briarwick Drive

Austin, TX - 78729

Phone No: 512-454-4797

ORDER ID : P5261

ATTENTION : Eleanor Vivadou

Laboratory Certification ID # 20012

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Cover Page

Order ID : P5261

Project ID : NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258

Client : AECOM Technical Services, Inc.

Lab Sample Number	Client Sample Number
P5261-01	RE122D1-20241209
P5261-02	RE122D2-20241209
P5261-03	RE122D3-20241209
P5261-04	RE103D1-20241209
P5261-05	RE103D2-20241209
P5261-06	RE103D3-20241209
P5261-07	RE134D1-20241209
P5261-08	DUP-01-20241209
P5261-09	RE134D3-20241210
P5261-10	RE134D4-20241210
P5261-11	GM3-RW3-MW1-20241210
P5261-12	RE125D1-20241210
P5261-13	RE125D1-20241210MS
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P5261-15	RE125D2-20241210
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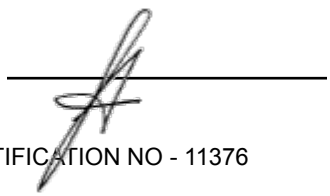
P5261-17	RE120D1-20241210
P5261-18	RE120D2-20241210
P5261-19	RE120D3-20241210
P5261-20	DUP-02-20241210
P5261-21	TB

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 : 

APPROVED

Date: 12/27/2024

By Mohammad Ahmed(Laboratory Manager) at 10:53 am, Jan 03, 2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

284 Sheffield Street, Mountainside, NJ 07092
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CASE NARRATIVE

AECOM Technical Services, Inc.
Project Name: NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258
Project # N/A
Chemtech Project # P5261
Test Name: SVOC-SIMGroup1

A. Number of Samples and Date of Receipt:
21 Water samples were received on 12/11/2024.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: SVOC-SIMGroup1 and VOCMS Group1. This data package contains results for SVOC-SIMGroup1.

C. Analytical Techniques:
The samples were analyzed on instrument BNA_N using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGAThe analysis of SVOC-SIMGroup1 was based on method 8270-Modified 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 except for
RE122D1-20241209 [Terphenyl-d14 - 163%],
RE122D2-20241209 [Terphenyl-d14 - 196%],
RE122D3-20241209 [Terphenyl-d14 - 152%],
RE103D1-20241209 [Terphenyl-d14 - 146%],
RE103D1-20241209DL [Terphenyl-d14 - 163%],
RE103D2-20241209 [Terphenyl-d14 - 146%],
RE134D1-20241209 [Terphenyl-d14 - 140%],
DUP-01-20241209 [Terphenyl-d14 - 186%],
RE134D3-20241210 [Terphenyl-d14 - 136%],
RE134D3-20241210DL [Terphenyl-d14 - 148%],
RE134D4-20241210 [Terphenyl-d14 - 139%],
GM3-RW3-MW1-20241210 [Terphenyl-d14 - 159%],
RE125D1-20241210 [Terphenyl-d14 - 142%],
RE125D1-20241210MS [Terphenyl-d14 - 146%],
RE125D1-20241210MSD [Terphenyl-d14 - 147%],
RE125D2-20241210 [Terphenyl-d14 - 148%],
RE125D2-20241210DL [Terphenyl-d14 - 155%],
RE125D3-20241210 [Terphenyl-d14 - 139%],
RE120D1-20241210 [Terphenyl-d14 - 134%],

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RE120D3-20241210DL [2-Fluorobiphenyl - 113%, Nitrobenzene-d5 - 142%, Terphenyl-d14 - 175%],
DUP-02-20241210 [Terphenyl-d14 - 145%],
PB165596BS [Nitrobenzene-d5 - 115%], The failure surrogates not associated with the client parameters list, therefore no corrective action was taken.

The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds.

The MSD {P5261-14MSD} with File ID: BN035738.D recoveries met the acceptable requirements except for 1,4-Dioxane[50%], marginally low no corrective action is needed.

The RPD for {P5261-14MSD} with File ID: BN035738.D met criteria except for 1,4-Dioxane[40%], due to difference in results of MS and MSD .

The Blank Spike met requirements for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements.

The Continuous Calibration File ID BN035731.D met the requirements except for 2,4,6-Tribromophenol, The failure compound not associated with the client parameters list, therefore no corrective action was taken.

The Continuous Calibration File ID BN035747.D met the requirements except for 2,4,6-Tribromophenol, 2-Fluorobiphenyl,2-Fluorophenol,Nitrobenzene-d5,Phenol-d6 and Terphenyl-d14 , The failure compound not associated with the client parameters list, therefore no corrective action was taken.

The Continuous Calibration File ID BN035749.D met the requirements except for Nitrobenzene-d5, The failure compound not associated with the client parameters list, therefore no corrective action was taken.

The Continuous Calibration File ID BN035845.D met the requirements except for Nitrobenzene-d5, The failure compound not associated with the client parameters list, therefore no corrective action was taken.
The Tuning criteria met requirements.

Samples RE103D1-20241209, RE134D3-20241210, RE125D2-20241210 and RE120D3-20241210 were diluted due to high concentrations.

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E. Additional Comments:

The sample # RE125D1-20241210MS and RE125D1-20241210MSD is failing for 1,4-Dioxane, and the original sample(RE125D1-20241210) is reported with M flag for this compounds.

The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.

The not QT review data is reported in the Miscellaneous.

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 <15% 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 > 15% 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_____

APPROVED

By Mohammad Ahmed(Laboratory Manager) at 10:53 am, Jan 03, 2025

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

DATA REPORTING QUALIFIERS- ORGANIC

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

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

ALLIANCE 284 Sheffield Street, Mountainside New Jersey 07092
NEW JERSEY LAB ID#: 20012: NEW YORK LAB ID#: 11376

GC/MS SEMI-VOLATILE ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: P5261 MATRIX: Water

METHOD: 8270-Modified/3510

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2.	GC/MS Tuning Specifications. DFTPP Meet Criteria. (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4.	GC/MS Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5.	GC/MS Calibration Requirements.			✓

The Initial Calibration met the requirements .
The Continuous Calibration File ID BN035731.D met the requirements except for 2!4!6-Tribromophenol, The failure compound not associated with the client parameters list, therefore no corrective action was taken.

The Continuous Calibration File ID BN035747.D met the requirements except for 2,4,6-Tribromophenol,2-Fluorobiphenyl,2-Fluorophenol,Nitrobenzene-d5,Phenol-d6 and Terphenyl-d14 , The failure compound not associated with the client parameters list, therefore no corrective action was taken.

The Continuous Calibration File ID BN035749.D met the requirements except for Nitrobenzene-d5, The failure compound not associated with the client parameters list, therefore no corrective action was taken.

The Continuous Calibration File ID BN035845.D met the requirements except for Nitrobenzene-d5, The failure compound not associated with the client parameters list, therefore no corrective action was taken.

6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	

GC/MS SEMI-VOLATILE ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

(CONTINUED)

		NA	NO	YES
7.	Surrogate Recoveries Meet Criteria			✓

If not met, list those compounds and their recoveries which fall outside the acceptable ranges.

The Surrogate recoveries met the acceptable criteria except for
RE122D1-20241209 [Terphenyl-d14 - 163%],
RE122D2-20241209 [Terphenyl-d14 - 196%],
RE122D3-20241209 [Terphenyl-d14 - 152%],
RE103D1-20241209 [Terphenyl-d14 - 146%],
RE103D1-20241209DL [Terphenyl-d14 - 163%],
RE103D2-20241209 [Terphenyl-d14 - 146%],
RE134D1-20241209 [Terphenyl-d14 - 140%],
DUP-01-20241209 [Terphenyl-d14 - 186%],
RE134D3-20241210 [Terphenyl-d14 - 136%],
RE134D3-20241210DL [Terphenyl-d14 - 148%],
RE134D4-20241210 [Terphenyl-d14 - 139%],
GM3-RW3-MW1-20241210 [Terphenyl-d14 - 159%],
RE125D1-20241210 [Terphenyl-d14 - 142%],
RE125D1-20241210MS [Terphenyl-d14 - 146%],
RE125D1-20241210MSD [Terphenyl-d14 - 147%],
RE125D2-20241210 [Terphenyl-d14 - 148%],
RE125D2-20241210DL [Terphenyl-d14 - 155%],
RE125D3-20241210 [Terphenyl-d14 - 139%],
RE120D1-20241210 [Terphenyl-d14 - 134%],
RE120D3-20241210DL [2-Fluorobiphenyl - 113%, Nitrobenzene-d5 - 142%, Terphenyl-d14 - 175%],
DUP-02-20241210 [Terphenyl-d14 - 145%],
PB165596BS [Nitrobenzene-d5 - 115%], The failure surrogates not associated with the client parameters list, therefore no corrective action was taken.

8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria			✓

If not met, list those compounds and their recoveries which fall outside the acceptable range.

The MSD {P5261-14MSD} with File ID: BN035738.D recoveries met the acceptable requirements except for 1,4-Dioxane[50%], marginally low no corrective action is needed.
The Blank Spike met requirements for all samples .
The RPD for {P5261-14MSD} with File ID: BN035738.D met criteria except for 1,4-Dioxane[40%], due to difference in results of MS and MSD .

9.	Internal Standard Area/Retention Time Shift Meet Criteria			✓

Comments:

GC/MS SEMI-VOLATILE ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

		NA	NO	YES
10.	Extraction Holding Time Met			✓
	If not met, list number of days exceeded for each sample:			
11.	Analysis Holding Time Met			✓
	If not met, list number of days exceeded for each sample:			

ADDITIONAL COMMENTS:

The sample # RE125D1-20241210MS and RE125D1-20241210MSD is failing for 1,4-Dioxane, and the original sample(RE125D1-20241210) is reported with M flag for this compounds

Samples RE103D1-20241209, RE134D3-20241210, RE125D2-20241210 and RE120D3-20241210 were diluted due to high concentrations.

The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.

The not QT review data is reported in the Miscellaneous.

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 <15% 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 > 15% for the Initial Calibration curve for SW-846 analysis.

APPROVED
By Mohammad Ahmed(Laboratory Manager) at 10:53 am, Jan 03, 2025

QA REVIEW _____ Date _____

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: P5261

	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: Mohammad Ahmed **Date:** 01/03/2025

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LAB CHRONICLE

OrderID:	P5261	**OrderDate:**	12/11/2024 3:27:00 PM
Client:	AECOM Technical Services, Inc.	**Project:**	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258
Contact:	Eleanor Vivadou	**Location:**	L41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P5261-01	**RE122D1-20241209**	**Water**			**12/09/24**			**12/11/24**
			SVOC-SIMGroup1	8270-Modified		12/12/24	12/19/24	
P5261-02	**RE122D2-20241209**	**Water**			**12/09/24**			**12/11/24**
			SVOC-SIMGroup1	8270-Modified		12/12/24	12/19/24	
P5261-03	**RE122D3-20241209**	**Water**			**12/09/24**			**12/11/24**
			SVOC-SIMGroup1	8270-Modified		12/12/24	12/19/24	
P5261-04	**RE103D1-20241209**	**Water**			**12/09/24**			**12/11/24**
			SVOC-SIMGroup1	8270-Modified		12/12/24	12/19/24	
P5261-04DL	**RE103D1-20241209DL**	**Water**			**12/09/24**			**12/11/24**
			SVOC-SIMGroup1	8270-Modified		12/12/24	12/20/24	
P5261-05	**RE103D2-20241209**	**Water**			**12/09/24**			**12/11/24**
			SVOC-SIMGroup1	8270-Modified		12/12/24	12/19/24	
P5261-06	**RE103D3-20241209**	**Water**			**12/09/24**			**12/11/24**
			SVOC-SIMGroup1	8270-Modified		12/12/24	12/20/24	
P5261-07	**RE134D1-20241209**	**Water**			**12/09/24**			**12/11/24**
			SVOC-SIMGroup1	8270-Modified		12/12/24	12/20/24	
P5261-08	**DUP-01-20241209**	**Water**			**12/09/24**			**12/11/24**
			SVOC-SIMGroup1	8270-Modified		12/12/24	12/20/24	
P5261-09	**RE134D3-20241210**	**Water**			**12/10/24**			**12/11/24**
			SVOC-SIMGroup1	8270-Modified		12/12/24	12/20/24	
P5261-09DL	**RE134D3-20241210DL**	**Water**			**12/10/24**			**12/11/24**
			SVOC-SIMGroup1	8270-Modified		12/12/24	12/20/24	

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LAB CHRONICLE

P5261-10	**RE134D4-20241210**	**Water**			**12/10/24**			**12/11/24**
			SVOC-SIMGroup1	8270-Modified		12/12/24	12/20/24	
P5261-11	**GM3-RW3-MW1-20241210**	**Water**			**12/10/24**			**12/11/24**
			SVOC-SIMGroup1	8270-Modified		12/12/24	12/20/24	
P5261-12	**RE125D1-20241210**	**Water**			**12/10/24**			**12/11/24**
			SVOC-SIMGroup1	8270-Modified		12/12/24	12/20/24	
P5261-15	**RE125D2-20241210**	**Water**			**12/10/24**			**12/11/24**
			SVOC-SIMGroup1	8270-Modified		12/12/24	12/20/24	
P5261-15DL	**RE125D2-20241210DL**	**Water**			**12/10/24**			**12/11/24**
			SVOC-SIMGroup1	8270-Modified		12/12/24	12/20/24	
P5261-16	**RE125D3-20241210**	**Water**			**12/10/24**			**12/11/24**
			SVOC-SIMGroup1	8270-Modified		12/12/24	12/20/24	
P5261-17	**RE120D1-20241210**	**Water**			**12/10/24**			**12/11/24**
			SVOC-SIMGroup1	8270-Modified		12/12/24	12/20/24	
P5261-18	**RE120D2-20241210**	**Water**			**12/10/24**			**12/11/24**
			SVOC-SIMGroup1	8270-Modified		12/12/24	12/20/24	
P5261-19	**RE120D3-20241210**	**Water**			**12/10/24**			**12/11/24**
			SVOC-SIMGroup1	8270-Modified		12/12/24	12/20/24	
P5261-19DL	**RE120D3-20241210DL**	**Water**			**12/10/24**			**12/11/24**
			SVOC-SIMGroup1	8270-Modified		12/12/24	12/26/24	
P5261-20	**DUP-02-20241210**	**Water**			**12/10/24**			**12/11/24**
			SVOC-SIMGroup1	8270-Modified		12/12/24	12/20/24	

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

Hit Summary Sheet
SW-846

SDG No.: P5261

Client: AECOM Technical Services, Inc.

Sample ID	Client ID		Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : RE122D1-20241209									
P5261-01	RE122D1-20241209	WATER	1,4-Dioxane	2.500		0.07	0.2	0.2	ug/L
			Total Svoc :			**2.50**			
			Total Concentration:			**2.50**			
Client ID : RE122D2-20241209									
P5261-02	RE122D2-20241209	WATER	1,4-Dioxane	3.700		0.07	0.2	0.2	ug/L
			Total Svoc :			**3.70**			
			Total Concentration:			**3.70**			
Client ID : RE103D1-20241209									
P5261-04	RE103D1-20241209	WATER	1,4-Dioxane	5.300	E	0.07	0.2	0.2	ug/L
			Total Svoc :			**5.30**			
			Total Concentration:			**5.30**			
Client ID : RE103D1-20241209DL									
P5261-04DL	RE103D1-20241209DL	WATER	1,4-Dioxane	6.900	D	0.14	0.4	0.4	ug/L
			Total Svoc :			**6.90**			
			Total Concentration:			**6.90**			
Client ID : RE103D2-20241209									
P5261-05	RE103D2-20241209	WATER	1,4-Dioxane	0.440		0.07	0.2	0.2	ug/L
			Total Svoc :			**0.44**			
			Total Concentration:			**0.44**			
Client ID : RE103D3-20241209									
P5261-06	RE103D3-20241209	WATER	1,4-Dioxane	0.100	J	0.07	0.2	0.2	ug/L
			Total Svoc :			**0.10**			
			Total Concentration:			**0.10**			
Client ID : RE134D1-20241209									
P5261-07	RE134D1-20241209	WATER	1,4-Dioxane	0.840		0.07	0.2	0.2	ug/L
			Total Svoc :			**0.84**			
			Total Concentration:			**0.84**			
Client ID : DUP-01-20241209									
P5261-08	DUP-01-20241209	WATER	1,4-Dioxane	0.950		0.07	0.2	0.2	ug/L
			Total Svoc :			**0.95**			
			Total Concentration:			**0.95**			
Client ID : RE134D3-20241210									
P5261-09	RE134D3-20241210	WATER	1,4-Dioxane	5.700	E	0.07	0.2	0.2	ug/L
			Total Svoc :			**5.70**			

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Hit Summary Sheet
SW-846

SDG No.: P5261

Client: AECOM Technical Services, Inc.

Sample ID	Client ID		Parameter	Concentration	C	MDL	LOD	RDL	Units
			Total Concentration:			**5.70**			
Client ID :	**RE134D3-20241210DL**								
P5261-09DL	RE134D3-20241210DL	WATER	1,4-Dioxane	6.200	D	0.14	0.4	0.4	ug/L
			Total Svoc :			**6.20**			
			Total Concentration:			**6.20**			
Client ID :	**RE134D4-20241210**								
P5261-10	RE134D4-20241210	WATER	1,4-Dioxane	1.400		0.07	0.2	0.2	ug/L
			Total Svoc :			**1.40**			
			Total Concentration:			**1.40**			
Client ID :	**GM3-RW3-MW1-20241210**								
P5261-11	GM3-RW3-MW1-202412	WATER	1,4-Dioxane	1.500		0.07	0.2	0.2	ug/L
			Total Svoc :			**1.50**			
			Total Concentration:			**1.50**			
Client ID :	**RE125D1-20241210**								
P5261-12	RE125D1-20241210	WATER	1,4-Dioxane	5.000	M	0.07	0.2	0.2	ug/L
			Total Svoc :			**5.00**			
			Total Concentration:			**5.00**			
Client ID :	**RE125D2-20241210**								
P5261-15	RE125D2-20241210	WATER	1,4-Dioxane	8.000	E	0.08	0.22	0.22	ug/L
			Total Svoc :			**8.00**			
			Total Concentration:			**8.00**			
Client ID :	**RE125D2-20241210DL**								
P5261-15DL	RE125D2-20241210DL	WATER	1,4-Dioxane	8.900	D	0.15	0.45	0.45	ug/L
			Total Svoc :			**8.90**			
			Total Concentration:			**8.90**			
Client ID :	**RE125D3-20241210**								
P5261-16	RE125D3-20241210	WATER	1,4-Dioxane	2.100		0.07	0.2	0.2	ug/L
			Total Svoc :			**2.10**			
			Total Concentration:			**2.10**			
Client ID :	**RE120D1-20241210**								
P5261-17	RE120D1-20241210	WATER	1,4-Dioxane	0.100	J	0.07	0.2	0.2	ug/L
			Total Svoc :			**0.10**			
			Total Concentration:			**0.10**			
Client ID :	**RE120D2-20241210**								
P5261-18	RE120D2-20241210	WATER	1,4-Dioxane	4.300		0.08	0.23	0.23	ug/L
			Total Svoc :			**4.30**			

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Hit Summary Sheet
SW-846

SDG No.: P5261

Client: AECOM Technical Services, Inc.

Sample ID	Client ID		Parameter	Concentration	C	MDL	LOD	RDL	Units
			Total Concentration:			**4.30**			
Client ID :	**RE120D3-20241210**								
P5261-19	RE120D3-20241210	WATER	1,4-Dioxane	7.800	E	0.07	0.2	0.2	ug/L
			Total Svoc :			**7.80**			
			Total Concentration:			**7.80**			
Client ID :	**RE120D3-20241210DL**								
P5261-19DL	RE120D3-20241210DL	WATER	1,4-Dioxane	11.400	D	0.35	1	1	ug/L
			Total Svoc :			**11.40**			
			Total Concentration:			**11.40**			
Client ID :	**DUP-02-20241210**								
P5261-20	DUP-02-20241210	WATER	1,4-Dioxane	0.100	J	0.07	0.2	0.2	ug/L
			Total Svoc :			**0.10**			
			Total Concentration:			**0.10**			

QC SUMMARY

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

SW-846

SDG No.: P5261

Client: AECOM Technical Services, Inc.

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P5261-01	RE122D1-20241209	2-Methylnaphthalene-d10	0.4	0.34	84		30	150
		Fluoranthene-d10	0.4	0.40	100		30	150
		Nitrobenzene-d5	0.4	0.37	93		55	111
		2-Fluorobiphenyl	0.4	0.29	73		53	106
		Terphenyl-d14	0.4	0.65	163	*	58	132
P5261-02	RE122D2-20241209	2-Methylnaphthalene-d10	0.4	0.32	79		30	150
		Fluoranthene-d10	0.4	0.40	100		30	150
		Nitrobenzene-d5	0.4	0.38	94		55	111
		2-Fluorobiphenyl	0.4	0.31	77		53	106
		Terphenyl-d14	0.4	0.78	196	*	58	132
P5261-03	RE122D3-20241209	2-Methylnaphthalene-d10	0.4	0.34	84		30	150
		Fluoranthene-d10	0.4	0.38	95		30	150
		Nitrobenzene-d5	0.4	0.37	91		55	111
		2-Fluorobiphenyl	0.4	0.29	72		53	106
		Terphenyl-d14	0.4	0.61	152	*	58	132
P5261-04	RE103D1-20241209	2-Methylnaphthalene-d10	0.4	0.37	93		30	150
		Fluoranthene-d10	0.4	0.39	97		30	150
		Nitrobenzene-d5	0.4	0.41	102		55	111
		2-Fluorobiphenyl	0.4	0.33	83		53	106
		Terphenyl-d14	0.4	0.58	146	*	58	132
P5261-04DL	RE103D1-20241209DL	2-Methylnaphthalene-d10	0.4	0.39	98		30	150
		Fluoranthene-d10	0.4	0.44	111		30	150
		Nitrobenzene-d5	0.4	0.42	106		55	111
		2-Fluorobiphenyl	0.4	0.37	94		53	106
		Terphenyl-d14	0.4	0.65	163	*	58	132
P5261-05	RE103D2-20241209	2-Methylnaphthalene-d10	0.4	0.38	94		30	150
		Fluoranthene-d10	0.4	0.38	94		30	150
		Nitrobenzene-d5	0.4	0.40	101		55	111
		2-Fluorobiphenyl	0.4	0.34	86		53	106
		Terphenyl-d14	0.4	0.58	146	*	58	132
P5261-06	RE103D3-20241209	2-Methylnaphthalene-d10	0.4	0.29	72		30	150
		Fluoranthene-d10	0.4	0.35	86		30	150
		Nitrobenzene-d5	0.4	0.32	79		55	111
		2-Fluorobiphenyl	0.4	0.27	68		53	106
		Terphenyl-d14	0.4	0.51	127		58	132
P5261-07	RE134D1-20241209	2-Methylnaphthalene-d10	0.4	0.33	82		30	150
		Fluoranthene-d10	0.4	0.41	102		30	150
		Nitrobenzene-d5	0.4	0.37	92		55	111
		2-Fluorobiphenyl	0.4	0.30	75		53	106
		Terphenyl-d14	0.4	0.56	140	*	58	132
P5261-08	DUP-01-20241209	2-Methylnaphthalene-d10	0.4	0.40	99		30	150
		Fluoranthene-d10	0.4	0.49	122		30	150
		Nitrobenzene-d5	0.4	0.43	108		55	111
		2-Fluorobiphenyl	0.4	0.37	92		53	106
		Terphenyl-d14	0.4	0.74	186	*	58	132
P5261-09	RE134D3-20241210	2-Methylnaphthalene-d10	0.4	0.33	81		30	150
		Fluoranthene-d10	0.4	0.37	93		30	150
		Nitrobenzene-d5	0.4	0.36	90		55	111
		2-Fluorobiphenyl	0.4	0.29	72		53	106
		Terphenyl-d14	0.4	0.54	136	*	58	132
P5261-09DL	RE134D3-20241210DL	2-Methylnaphthalene-d10	0.4	0.34	86		30	150

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Surrogate Summary

SW-846

SDG No.: P5261

Client: AECOM Technical Services, Inc.

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P5261-09DL	RE134D3-20241210DL	Fluoranthene-d10	0.4	0.42	104		30	150
		Nitrobenzene-d5	0.4	0.37	92		55	111
		2-Fluorobiphenyl	0.4	0.31	79		53	106
		Terphenyl-d14	0.4	0.59	148	*	58	132
P5261-10	RE134D4-20241210	2-Methylnaphthalene-d10	0.4	0.31	77		30	150
		Fluoranthene-d10	0.4	0.40	100		30	150
		Nitrobenzene-d5	0.4	0.33	83		55	111
		2-Fluorobiphenyl	0.4	0.28	70		53	106
		Terphenyl-d14	0.4	0.56	139	*	58	132
P5261-11	GM3-RW3-MW1-20241210	2-Methylnaphthalene-d10	0.4	0.34	86		30	150
		Fluoranthene-d10	0.4	0.42	104		30	150
		Nitrobenzene-d5	0.4	0.36	90		55	111
		2-Fluorobiphenyl	0.4	0.33	82		53	106
		Terphenyl-d14	0.4	0.64	159	*	58	132
P5261-12	RE125D1-20241210	2-Methylnaphthalene-d10	0.4	0.33	83		30	150
		Fluoranthene-d10	0.4	0.39	96		30	150
		Nitrobenzene-d5	0.4	0.35	88		55	111
		2-Fluorobiphenyl	0.4	0.34	84		53	106
		Terphenyl-d14	0.4	0.57	142	*	58	132
P5261-13MS	RE125D1-20241210MS	2-Methylnaphthalene-d10	0.4	0.39	98		30	150
		Fluoranthene-d10	0.4	0.41	102		30	150
		Nitrobenzene-d5	0.4	0.43	107		55	111
		2-Fluorobiphenyl	0.4	0.34	85		53	106
		Terphenyl-d14	0.4	0.59	146	*	58	132
P5261-14MSD	RE125D1-20241210MSD	2-Methylnaphthalene-d10	0.4	0.39	97		30	150
		Fluoranthene-d10	0.4	0.42	104		30	150
		Nitrobenzene-d5	0.4	0.42	105		55	111
		2-Fluorobiphenyl	0.4	0.34	85		53	106
		Terphenyl-d14	0.4	0.59	147	*	58	132
P5261-15	RE125D2-20241210	2-Methylnaphthalene-d10	0.4	0.32	81		30	150
		Fluoranthene-d10	0.4	0.41	101		30	150
		Nitrobenzene-d5	0.4	0.39	96		55	111
		2-Fluorobiphenyl	0.4	0.31	78		53	106
		Terphenyl-d14	0.4	0.59	148	*	58	132
P5261-15DL	RE125D2-20241210DL	2-Methylnaphthalene-d10	0.4	0.35	88		30	150
		Fluoranthene-d10	0.4	0.41	103		30	150
		Nitrobenzene-d5	0.4	0.37	91		55	111
		2-Fluorobiphenyl	0.4	0.32	79		53	106
		Terphenyl-d14	0.4	0.62	155	*	58	132
P5261-16	RE125D3-20241210	2-Methylnaphthalene-d10	0.4	0.35	88		30	150
		Fluoranthene-d10	0.4	0.39	98		30	150
		Nitrobenzene-d5	0.4	0.37	93		55	111
		2-Fluorobiphenyl	0.4	0.32	79		53	106
		Terphenyl-d14	0.4	0.56	139	*	58	132
P5261-17	RE120D1-20241210	2-Methylnaphthalene-d10	0.4	0.37	93		30	150
		Fluoranthene-d10	0.4	0.41	101		30	150
		Nitrobenzene-d5	0.4	0.42	104		55	111
		2-Fluorobiphenyl	0.4	0.33	83		53	106
		Terphenyl-d14	0.4	0.54	134	*	58	132
P5261-18	RE120D2-20241210	2-Methylnaphthalene-d10	0.4	0.36	90		30	150
		Fluoranthene-d10	0.4	0.41	101		30	150

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Surrogate Summary

SW-846

SDG No.: P5261

Client: AECOM Technical Services, Inc.

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	High
P5261-18	RE120D2-20241210	Nitrobenzene-d5	0.4	0.38	94		55	111
		2-Fluorobiphenyl	0.4	0.32	81		53	106
		Terphenyl-d14	0.4	0.53	132		58	132
P5261-19	RE120D3-20241210	2-Methylnaphthalene-d10	0.4	0.38	94		30	150
		Fluoranthene-d10	0.4	0.41	102		30	150
		Nitrobenzene-d5	0.4	0.41	103		55	111
		2-Fluorobiphenyl	0.4	0.35	86		53	106
		Terphenyl-d14	0.4	0.52	130		58	132
P5261-19DL	RE120D3-20241210DL	2-Methylnaphthalene-d10	0.4	0.45	113		30	150
		Fluoranthene-d10	0.4	0.50	124		30	150
		Nitrobenzene-d5	0.4	0.57	142	*	55	111
		2-Fluorobiphenyl	0.4	0.45	113	*	53	106
		Terphenyl-d14	0.4	0.70	175	*	58	132
P5261-20	DUP-02-20241210	2-Methylnaphthalene-d10	0.4	0.37	93		30	150
		Fluoranthene-d10	0.4	0.41	103		30	150
		Nitrobenzene-d5	0.4	0.38	96		55	111
		2-Fluorobiphenyl	0.4	0.35	87		53	106
		Terphenyl-d14	0.4	0.58	145	*	58	132
PB165596BL	PB165596BL	2-Methylnaphthalene-d10	0.4	0.38	96		30	150
		Fluoranthene-d10	0.4	0.39	97		30	150
		Nitrobenzene-d5	0.4	0.44	109		55	111
		2-Fluorobiphenyl	0.4	0.32	81		53	106
		Terphenyl-d14	0.4	0.52	131		58	132
PB165596BS	PB165596BS	2-Methylnaphthalene-d10	0.4	0.46	114		30	150
		Fluoranthene-d10	0.4	0.38	95		30	150
		Nitrobenzene-d5	0.4	0.46	115	*	55	111
		2-Fluorobiphenyl	0.4	0.36	89		53	106
		Terphenyl-d14	0.4	0.44	110		58	132

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P5261

Client: AECOM Technical Services, Inc.

Analytical Method: SW8270-Modified

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: P5261-13MS		**Client Sample ID:** RE125D1-20241210MS						**DataFile:** BN035737.D			
1,4-Dioxane	0.4	5.00	5.30	ug/L	75				70	130	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P5261

Client: AECOM Technical Services, Inc.

Analytical Method: SW8270-Modified

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: P5261-14MSD		**Client Sample ID:** RE125D1-20241210MSD						**DataFile:** BN035738.D			
1,4-Dioxane	0.4	5.00	5.20	ug/L	50	*	40	*	70	130	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5261

Client: AECOM Technical Services, Inc.

Analytical Method: 8270-Modified **DataFile:** BN035728.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB165596BS	1,4-Dioxane	0.4	0.37	ug/L	93				70	130	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB165596BL

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: P5261 SAS No.: P5261 SDG NO.: P5261

Lab File ID: BN035713.D Lab Sample ID: PB165596BL

Instrument ID: BNA_N Date Extracted: 12/12/2024

Matrix: (soil/water) Water Date Analyzed: 12/19/2024

Level: (low/med) LOW Time Analyzed: 20:35

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
RE125D3-20241210	P5261-16	BN035725.D	12/20/2024
RE125D2-20241210	P5261-15	BN035726.D	12/20/2024
RE120D1-20241210	P5261-17	BN035727.D	12/20/2024
PB165596BS	PB165596BS	BN035728.D	12/20/2024
RE120D2-20241210	P5261-18	BN035739.D	12/20/2024
RE120D3-20241210	P5261-19	BN035740.D	12/20/2024
DUP-02-20241210	P5261-20	BN035741.D	12/20/2024
RE122D1-20241209	P5261-01	BN035714.D	12/19/2024
RE122D2-20241209	P5261-02	BN035715.D	12/19/2024
RE122D3-20241209	P5261-03	BN035716.D	12/19/2024
RE103D1-20241209	P5261-04	BN035717.D	12/19/2024
RE103D2-20241209	P5261-05	BN035718.D	12/19/2024
RE103D3-20241209	P5261-06	BN035719.D	12/20/2024
RE134D1-20241209	P5261-07	BN035720.D	12/20/2024
DUP-01-20241209	P5261-08	BN035721.D	12/20/2024
RE134D3-20241210	P5261-09	BN035722.D	12/20/2024
RE134D4-20241210	P5261-10	BN035723.D	12/20/2024
GM3-RW3-MW1-20241210	P5261-11	BN035724.D	12/20/2024
RE125D1-20241210	P5261-12	BN035734.D	12/20/2024
RE125D1-20241210MS	P5261-13MS	BN035737.D	12/20/2024
RE125D1-20241210MSD	P5261-14MSD	BN035738.D	12/20/2024

COMMENTS:

Alliance TECHNICAL GROUP
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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM SAS No.: P5261 SDG NO.: P5261

Lab File ID: BN035349.D DFTPP Injection Date: 11/27/2024

Instrument ID: BNA_N DFTPP Injection Time: 14:55

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	21.6
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	28.9
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	39.4
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	6.7
275	10.0 - 60.0% of mass 198	27.9
365	Greater than 1% of mass 198	4.6
441	Present, but less than mass 443	11.5
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	14 (19.7) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC0.1	SSTDICC0.1	BN035350.D	11/27/2024	15:34
SSTDICC0.2	SSTDICC0.2	BN035351.D	11/27/2024	16:10
SSTDICCC0.4	SSTDICCC0.4	BN035352.D	11/27/2024	16:46
SSTDICC0.8	SSTDICC0.8	BN035353.D	11/27/2024	17:21
SSTDICC1.6	SSTDICC1.6	BN035354.D	11/27/2024	17:57
SSTDICC3.2	SSTDICC3.2	BN035355.D	11/27/2024	18:33
SSTDICC5.0	SSTDICC5.0	BN035356.D	11/27/2024	19:09

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM SAS No.: P5261 SDG NO.: P5261

Lab File ID: BN035711.D DFTPP Injection Date: 12/19/2024

Instrument ID: BNA_N DFTPP Injection Time: 18:44

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	23.5
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	33
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	40.6
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7
275	10.0 - 60.0% of mass 198	29.9
365	Greater than 1% of mass 198	4.2
441	Present, but less than mass 443	13.5
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	15.4 (19.1) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC0.4	SSTDCCC0.4	BN035712.D	12/19/2024	19:23
PB165596BL	PB165596BL	BN035713.D	12/19/2024	20:35
RE122D1-20241209	P5261-01	BN035714.D	12/19/2024	21:11
RE122D2-20241209	P5261-02	BN035715.D	12/19/2024	21:47
RE122D3-20241209	P5261-03	BN035716.D	12/19/2024	22:23
RE103D1-20241209	P5261-04	BN035717.D	12/19/2024	22:58
RE103D2-20241209	P5261-05	BN035718.D	12/19/2024	23:34
RE103D3-20241209	P5261-06	BN035719.D	12/20/2024	00:10
RE134D1-20241209	P5261-07	BN035720.D	12/20/2024	00:46
DUP-01-20241209	P5261-08	BN035721.D	12/20/2024	01:22
RE134D3-20241210	P5261-09	BN035722.D	12/20/2024	01:58
RE134D4-20241210	P5261-10	BN035723.D	12/20/2024	02:34
GM3-RW3-MW1-20241210	P5261-11	BN035724.D	12/20/2024	03:10
RE125D3-20241210	P5261-16	BN035725.D	12/20/2024	03:46
RE125D2-20241210	P5261-15	BN035726.D	12/20/2024	04:22
RE120D1-20241210	P5261-17	BN035727.D	12/20/2024	04:58
PB165596BS	PB165596BS	BN035728.D	12/20/2024	05:34
SSTDCCC0.4EC	SSTDCCC0.4	BN035729.D	12/20/2024	06:10

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM SAS No.: P5261 SDG NO.: P5261

Lab File ID: BN035730.D DFTPP Injection Date: 12/20/2024

Instrument ID: BNA_N DFTPP Injection Time: 07:25

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	22.5
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	31.3
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	38.3
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	28.6
365	Greater than 1% of mass 198	4.1
441	Present, but less than mass 443	13.2
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	15.5 (19.8) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC0.4	SSTDCCC0.4	BN035731.D	12/20/2024	08:04
RE125D1-20241210	P5261-12	BN035734.D	12/20/2024	10:29
RE125D1-20241210MS	P5261-13MS	BN035737.D	12/20/2024	12:17
RE125D1-20241210MSD	P5261-14MSD	BN035738.D	12/20/2024	12:53
RE120D2-20241210	P5261-18	BN035739.D	12/20/2024	13:29
RE120D3-20241210	P5261-19	BN035740.D	12/20/2024	14:05
DUP-02-20241210	P5261-20	BN035741.D	12/20/2024	14:41
SSTDCCC0.4EC	SSTDCCC0.4	BN035747.D	12/20/2024	18:18

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM SAS No.: P5261 SDG NO.: P5261

Lab File ID: BN035748.D DFTPP Injection Date: 12/20/2024

Instrument ID: BNA_N DFTPP Injection Time: 18:54

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	21.2
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	30
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	37.7
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7
275	10.0 - 60.0% of mass 198	29.5
365	Greater than 1% of mass 198	4
441	Present, but less than mass 443	13.1
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	15.3 (19.1) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC0.4	SSTDCCC0.4	BN035749.D	12/20/2024	19:33
RE134D3-20241210DL	P5261-09DL	BN035752.D	12/20/2024	21:21
RE125D2-20241210DL	P5261-15DL	BN035753.D	12/20/2024	21:57
RE103D1-20241209DL	P5261-04DL	BN035754.D	12/20/2024	22:33
SSTDCCC0.4EC	SSTDCCC0.4	BN035765.D	12/21/2024	05:10

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM SAS No.: P5261 SDG NO.: P5261

Lab File ID: BN035844.D DFTPP Injection Date: 12/26/2024

Instrument ID: BNA_N DFTPP Injection Time: 09:19

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	24
68	Less than 2.0% of mass 69	0.2 (0.6) 1
69	Mass 69 relative abundance	32.9
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	40
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	27.1
365	Greater than 1% of mass 198	3.9
441	Present, but less than mass 443	11.5
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	14.1 (20.5) 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
SSTDCCC0.4	SSTDCCC0.4	BN035845.D	12/26/2024	09:58
RE120D3-20241210DL	P5261-19DL	BN035860.D	12/26/2024	19:05
SSTDCCC0.4EC	SSTDCCC0.4	BN035861.D	12/26/2024	19:41

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P5261 SAS No.: P5261 SDG NO.: P5261

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 12/19/2024

Lab File ID: BN035712.D Time Analyzed: 19:23

Instrument ID: BNA_N GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	3021	7.272	8329	10.02	5302	13.94
	UPPER LIMIT	6042	7.772	16658	10.52	10604	14.435
	LOWER LIMIT	1510.5	6.772	4164.5	9.52	2651	13.435
	EPA SAMPLE NO.						
01	RE122D1-20241209	3160	7.27	8794	10.02	6070	13.94
02	RE122D2-20241209	3267	7.27	8893	10.02	5822	13.94
03	RE122D3-20241209	3243	7.27	9120	10.02	6257	13.94
04	RE103D1-20241209	3204	7.27	8678	10.02	5798	13.94
05	RE103D2-20241209	3198	7.27	8727	10.02	5748	13.94
06	RE103D3-20241209	2937	7.27	7894	10.02	4865	13.94
07	RE134D1-20241209	2993	7.27	8239	10.02	5412	13.94
08	DUP-01-20241209	3370	7.27	8947	10.02	5786	13.94
09	RE134D3-20241210	3093	7.27	8301	10.02	5668	13.94
10	RE134D4-20241210	2978	7.27	8067	10.02	5314	13.94
11	GM3-RW3-MW1-20241210	3049	7.27	8135	10.02	5075	13.94
12	RE125D2-20241210	2948	7.27	7525	10.02	4789	13.94
13	RE125D3-20241210	2841	7.27	7711	10.02	5101	13.94
14	RE120D1-20241210	2945	7.27	7549	10.02	4981	13.94
15	PB165596BL	3228	7.27	8561	10.02	5768	13.94
16	PB165596BS	2951	7.27	7713	10.02	4640	13.94

Form VIII SV-1

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P5261 SAS No.: P5261 SDG NO.: P5261

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 12/19/2024

Lab File ID: BN035712.D Time Analyzed: 19:23

Instrument ID: BNA_N GC Column: ZB-GR ID: 0.25 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	3021	7.272	8329	10.02	5302	13.94
UPPER LIMIT	6042	7.772	16658	10.52	10604	14.435
LOWER LIMIT	1510.5	6.772	4164.5	9.52	2651	13.435
EPA SAMPLE NO.						

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P5261 SAS No.: P5261 SDG NO.: P5261

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 12/19/2024

Lab File ID: BN035712.D Time Analyzed: 19:23

Instrument ID: BNA_N GC Column: ZB-GR ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	11375	16.698	9644	20.956	11002	23.041
	UPPER LIMIT	22750	17.198	19288	21.456	22004	23.541
	LOWER LIMIT	5687.5	16.198	4822	20.456	5501	22.541
	EPA SAMPLE NO.						
01	RE122D1-20241209	11989	16.71	10648	20.96	11706	23.04
02	RE122D2-20241209	11137	16.70	10331	20.96	10865	23.04
03	RE122D3-20241209	12060	16.71	10841	20.96	12188	23.04
04	RE103D1-20241209	11698	16.71	9672	20.96	10672	23.04
05	RE103D2-20241209	12085	16.71	10091	20.96	11286	23.04
06	RE103D3-20241209	9538	16.71	8341	20.96	9222	23.04
07	RE134D1-20241209	10731	16.70	9459	20.96	10379	23.04
08	DUP-01-20241209	10480	16.71	9572	20.96	10429	23.04
09	RE134D3-20241210	10939	16.70	9533	20.96	10502	23.04
10	RE134D4-20241210	9782	16.71	8919	20.96	9842	23.04
11	GM3-RW3-MW1-20241210	10230	16.70	9246	20.96	9666	23.04
12	RE125D2-20241210	9505	16.70	8457	20.96	9186	23.04
13	RE125D3-20241210	10162	16.71	8945	20.96	9224	23.04
14	RE120D1-20241210	9724	16.71	8463	20.96	8724	23.04
15	PB165596BL	10744	16.71	9839	20.96	11233	23.04
16	PB165596BS	8678	16.70	8066	20.96	8916	23.04

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P5261 SAS No.: P5261 SDG NO.: P5261

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 12/19/2024

Lab File ID: BN035712.D Time Analyzed: 19:23

Instrument ID: BNA_N GC Column: ZB-GR ID: 0.25 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	11375	16.698	9644	20.956	11002	23.041
UPPER LIMIT	22750	17.198	19288	21.456	22004	23.541
LOWER LIMIT	5687.5	16.198	4822	20.456	5501	22.541
EPA SAMPLE NO.						

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P5261 SAS No.: P5261 SDG NO.: P5261

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 12/20/2024

Lab File ID: BN035731.D Time Analyzed: 08:04

Instrument ID: BNA_N GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	3239	7.271	8431	10.02	5341	13.92
	UPPER LIMIT	6478	7.771	16862	10.52	10682	14.424
	LOWER LIMIT	1619.5	6.771	4215.5	9.52	2670.5	13.424
	EPA SAMPLE NO.						
01	RE125D1-20241210	3263	7.27	9192	10.02	5650	13.92
02	RE125D1-20241210MS	3069	7.27	8497	10.01	5472	13.92
03	RE125D1-20241210MSD	3265	7.27	9048	10.01	5785	13.93
04	RE120D2-20241210	3452	7.27	8881	10.02	5884	13.94
05	RE120D3-20241210	3324	7.27	8846	10.02	5875	13.94
06	DUP-02-20241210	3123	7.27	8011	10.02	5188	13.94

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P5261 SAS No.: P5261 SDG NO.: P5261

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 12/20/2024

Lab File ID: BN035731.D Time Analyzed: 08:04

Instrument ID: BNA_N GC Column: ZB-GR ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	10575	16.698	8878	20.956	9229	23.038
	UPPER LIMIT	21150	17.198	17756	21.456	18458	23.538
	LOWER LIMIT	5287.5	16.198	4439	20.456	4614.5	22.538
	EPA SAMPLE NO.						
01	RE125D1-20241210	11736	16.70	10093	20.96	11111	23.04
02	RE125D1-20241210MS	11238	16.70	10070	20.95	9931	23.04
03	RE125D1-20241210MSD	11929	16.70	10838	20.95	10844	23.04
04	RE120D2-20241210	11860	16.71	10328	20.96	10315	23.04
05	RE120D3-20241210	12041	16.71	10498	20.96	10600	23.04
06	DUP-02-20241210	9843	16.71	8577	20.96	8598	23.04

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P5261 SAS No.: P5261 SDG NO.: P5261

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 12/20/2024

Lab File ID: BN035749.D Time Analyzed: 19:33

Instrument ID: BNA_N GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	2885	7.272	7460	10.01	4592	13.93
	UPPER LIMIT	5770	7.772	14920	10.509	9184	14.425
	LOWER LIMIT	1442.5	6.772	3730	9.509	2296	13.425
	EPA SAMPLE NO.						
01	RE103D1-20241209DL	2884	7.27	7124	10.02	4697	13.94
02	RE134D3-20241210DL	3092	7.27	8022	10.02	5392	13.92
03	RE125D2-20241210DL	2749	7.27	7061	10.02	4840	13.93

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.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P5261 SAS No.: P5261 SDG NO.: P5261

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 12/20/2024

Lab File ID: BN035749.D Time Analyzed: 19:33

Instrument ID: BNA_N GC Column: ZB-GR ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	9182	16.698	7719	20.956	7943	23.038
	UPPER LIMIT	18364	17.198	15438	21.456	15886	23.538
	LOWER LIMIT	4591	16.198	3859.5	20.456	3971.5	22.538
	EPA SAMPLE NO.						
01	RE103D1-20241209DL	9314	16.71	7920	20.96	7852	23.04
02	RE134D3-20241210DL	11029	16.70	9477	20.96	9623	23.04
03	RE125D2-20241210DL	9691	16.70	8202	20.96	8127	23.04

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.

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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P5261 SAS No.: P5261 SDG NO.: P5261

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 12/26/2024

Lab File ID: BN035845.D Time Analyzed: 09:58

Instrument ID: BNA_N GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	3755	7.257	9322	10.00	5387	13.91
	UPPER LIMIT	7510	7.757	18644	10.499	10774	14.414
	LOWER LIMIT	1877.5	6.757	4661	9.499	2693.5	13.414
	EPA SAMPLE NO.						
01	RE120D3-20241210DL	2551	7.26	5621	10.01	3825	13.93

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.

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Fax : 908 789 8922

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P5261 SAS No.: P5261 SDG NO.: P5261

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 12/26/2024

Lab File ID: BN035845.D Time Analyzed: 09:58

Instrument ID: BNA_N GC Column: ZB-GR ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	11262	16.686	9932	20.938	10817	23.021
	UPPER LIMIT	22524	17.186	19864	21.438	21634	23.521
	LOWER LIMIT	5631	16.186	4966	20.438	5408.5	22.521
	EPA SAMPLE NO.						
01	RE120D3-20241210DL	8370	16.70	5883	20.95	5421	23.03

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

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/09/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/11/24
Client Sample ID:	RE122D1-20241209	SDG No.:	P5261
Lab Sample ID:	P5261-01	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035714.D	1	12/12/24 10:30	12/19/24 21:11	PB165596

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	2.50		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.34		30 - 150		84%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.40		30 - 150		100%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.37		55 - 111		93%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.29		53 - 106		73%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.65	*	58 - 132		163%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3160	7.272				
1146-65-2	Naphthalene-d8	8790	10.02				
15067-26-2	Acenaphthene-d10	6070	13.935				
1517-22-2	Phenanthrene-d10	12000	16.711				
1719-03-5	Chrysene-d12	10600	20.956				
1520-96-3	Perylene-d12	11700	23.041				

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_N\Data\BN121924\
Data File : BN035714.D
Acq On : 19 Dec 2024 21:11
Operator : RC/JU
Sample : P5261-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 19 23:11:39 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
RE122D1-20241209

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.272	152	3160	0.400	ng	0.00
7) Naphthalene-d8	10.020	136	8794	0.400	ng	# 0.00
13) Acenaphthene-d10	13.935	164	6070	0.400	ng	0.00
19) Phenanthrene-d10	16.711	188	11989	0.400	ng	0.01
29) Chrysene-d12	20.956	240	10648	0.400	ng	0.00
35) Perylene-d12	23.041	264	11706	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.939	112	847	0.107	ng	0.00
5) Phenol-d6	6.492	99	510	0.054	ng	0.00
8) Nitrobenzene-d5	8.408	82	1993m	0.371	ng	0.00
11) 2-Methylnaphthalene-d10	11.621	152	4622	0.336	ng	0.00
14) 2,4,6-Tribromophenol	15.453	330	876	0.203	ng	0.00
15) 2-Fluorobiphenyl	12.538	172	6666	0.291	ng	0.00
27) Fluoranthene-d10	18.761	212	13563	0.399	ng	0.00
31) Terphenyl-d14	19.388	244	13668	0.651	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.982	88	7540	2.496	ng	100
34) Bis(2-ethylhexyl)phtha...	20.911	149	1470	0.100	ng	# 99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035714.D
Acq On : 19 Dec 2024 21:11
Operator : RC/JU
Sample : P5261-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 19 23:11:39 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
RE122D1-20241209

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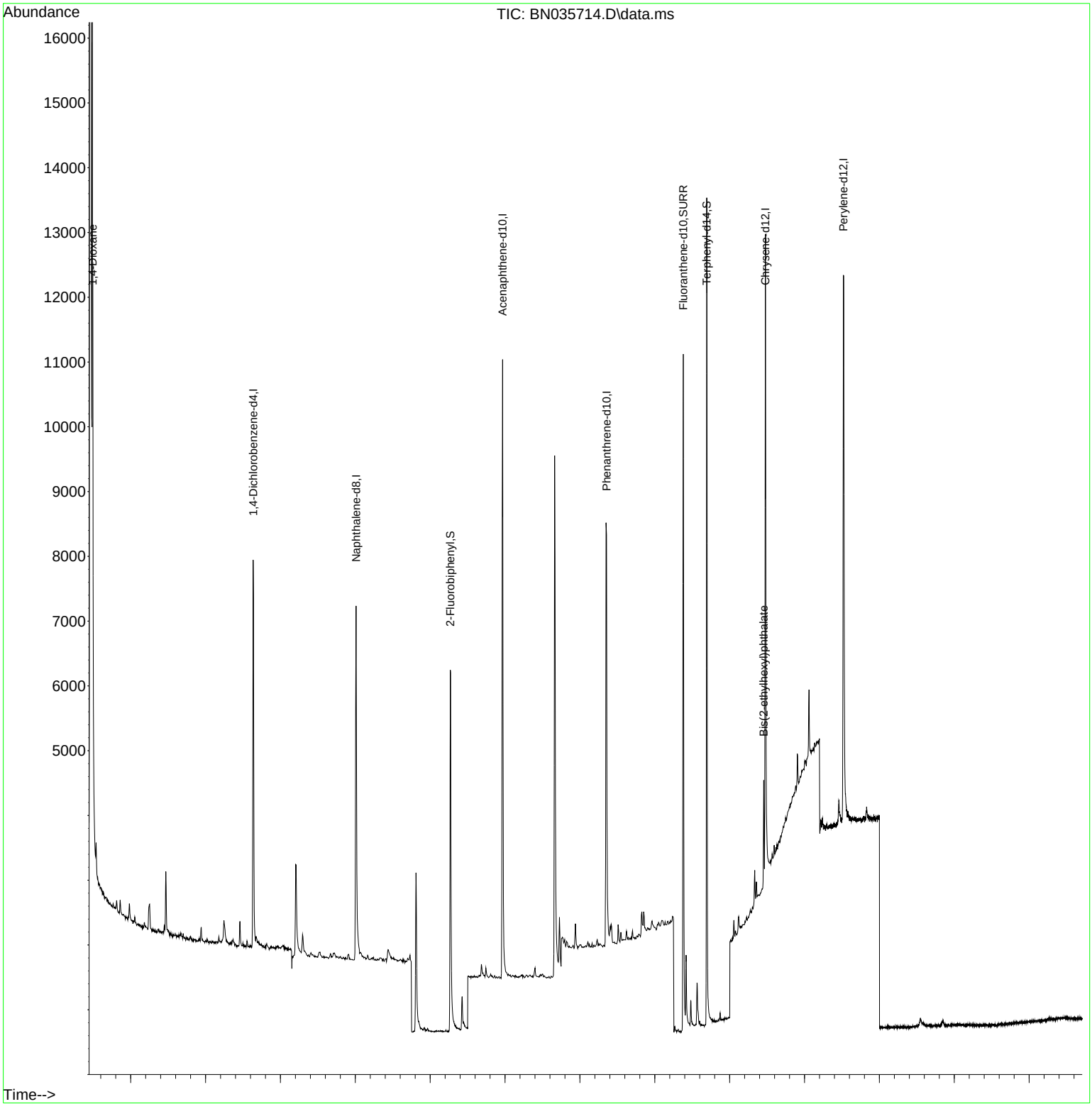
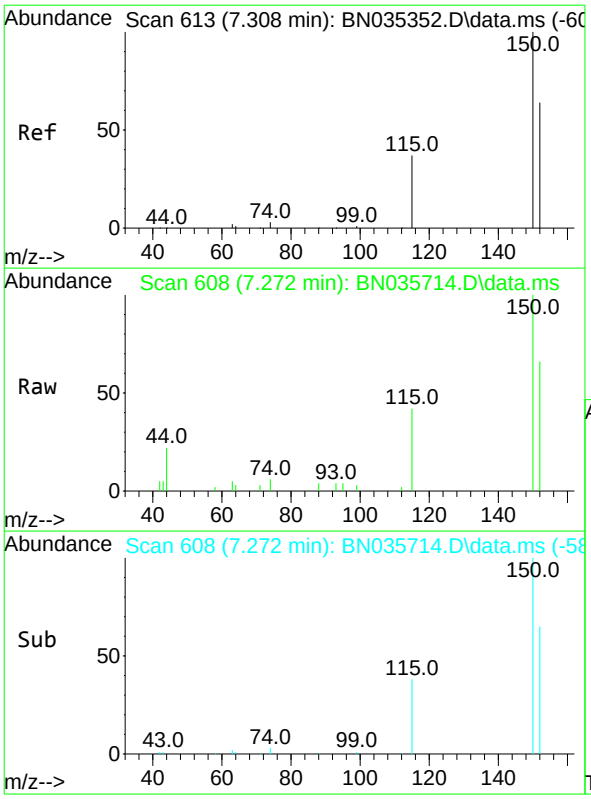
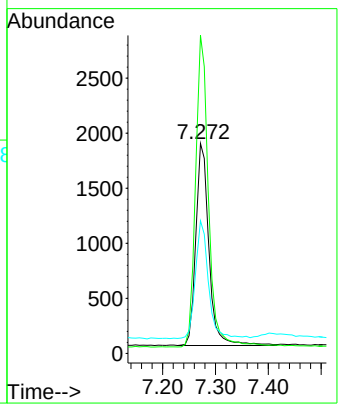




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.272 min Scan# 60
Delta R.T. -0.000 min
Lab File: BN035714.D
Acq: 19 Dec 2024 21:11

Tgt Ion:152 Resp: 3160

Ion	Ratio	Lower	Upper
152	100		
150	151.4	124.0	186.0
115	63.1	49.6	74.4



Instrument :
BNA_N
ClientSampleId :
RE122D1-20241209

Manual Integrations APPROVED

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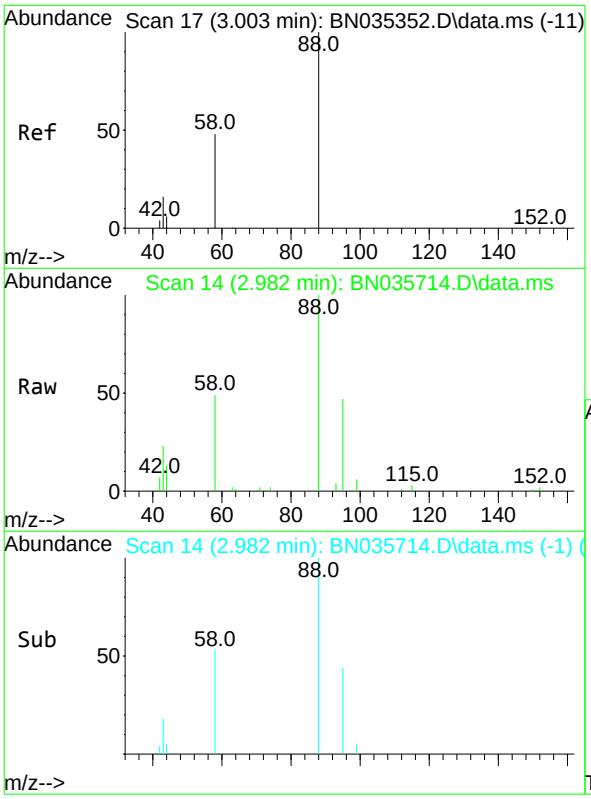
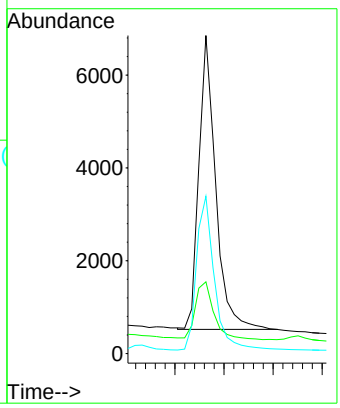
Supervised By :mohammad ahmed 12/24/2024

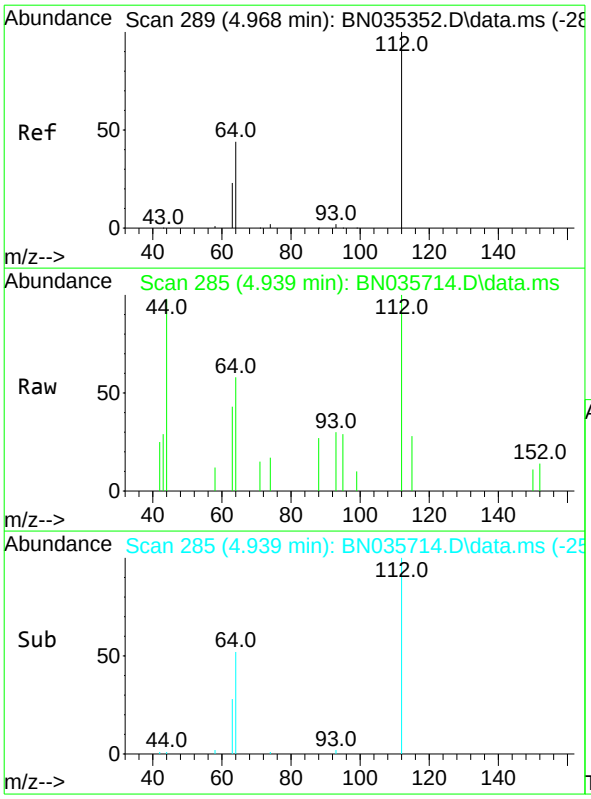


#2
1,4-Dioxane
Concen: 2.496 ng
RT: 2.982 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035714.D
Acq: 19 Dec 2024 21:11

Tgt Ion: 88 Resp: 7540

Ion	Ratio	Lower	Upper
88	100		
43	21.9	17.2	25.8
58	55.4	44.5	66.7

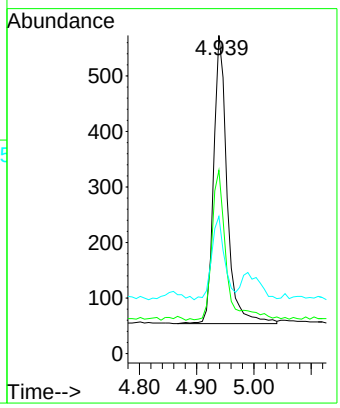




#4
2-Fluorophenol
Concen: 0.107 ng
RT: 4.939 min Scan# 28
Delta R.T. -0.000 min
Lab File: BN035714.D
Acq: 19 Dec 2024 21:11

Tgt Ion:112 Resp: 847

Ion	Ratio	Lower	Upper
112	100		
64	54.5	39.8	59.8
63	27.6	21.0	31.6



Instrument :
BNA_N
ClientSampleId :
RE122D1-20241209

Manual Integrations
APPROVED
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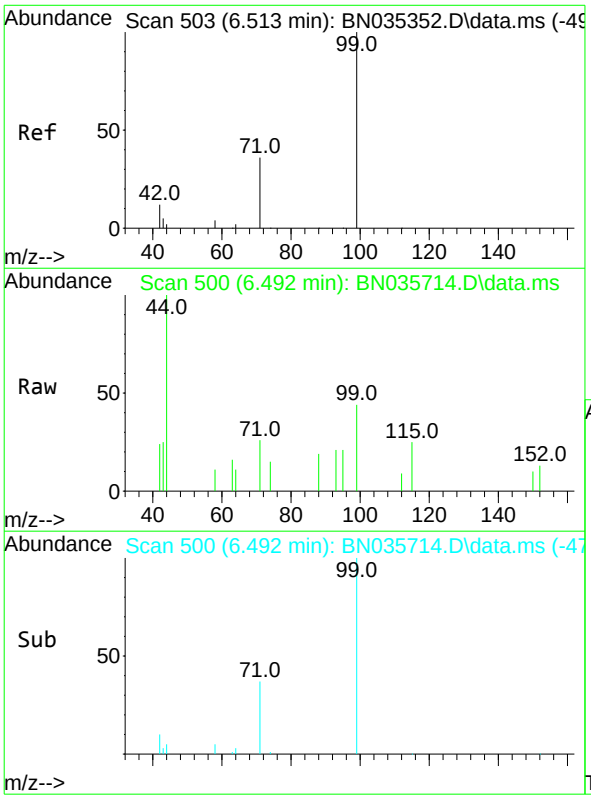
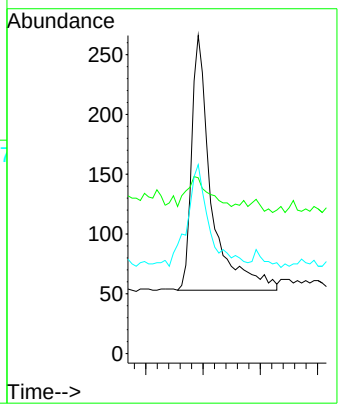
Supervised By :mohammad ahmed 12/24/2024

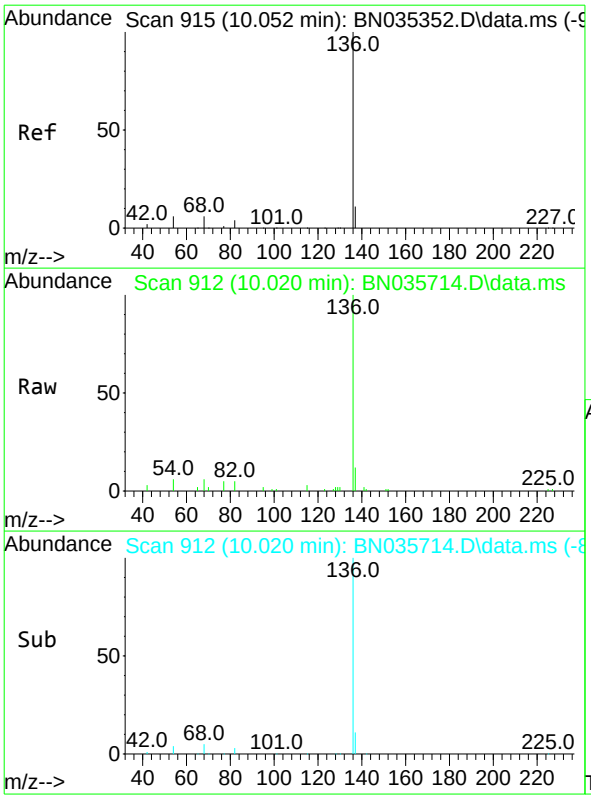


#5
Phenol-d6
Concen: 0.054 ng
RT: 6.492 min Scan# 500
Delta R.T. -0.000 min
Lab File: BN035714.D
Acq: 19 Dec 2024 21:11

Tgt Ion: 99 Resp: 510

Ion	Ratio	Lower	Upper
99	100		
42	17.5	11.4	17.2#
71	47.1	29.3	43.9#

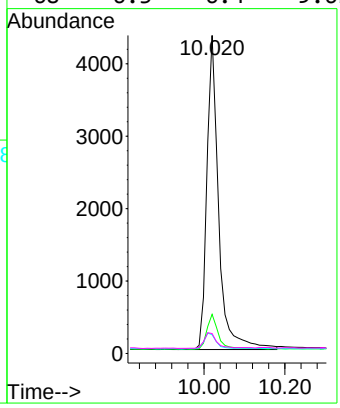




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.020 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN035714.D
Acq: 19 Dec 2024 21:11

Tgt Ion:136 Resp: 8794

Ion	Ratio	Lower	Upper
136	100		
137	12.3	10.2	15.2
54	5.9	6.1	9.1#
68	6.3	6.4	9.6#



Instrument :
BNA_N
ClientSampleId :
RE122D1-20241209

Manual Integrations APPROVED

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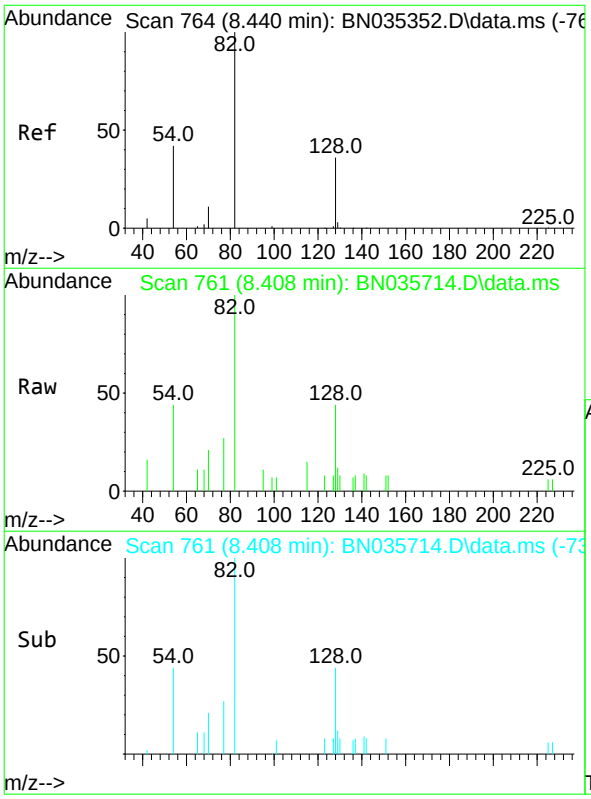
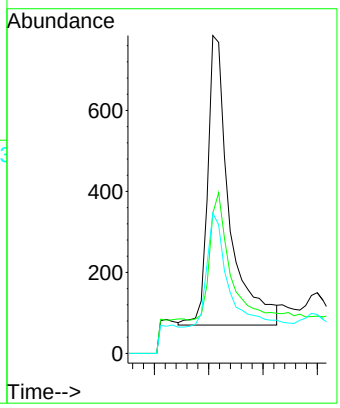
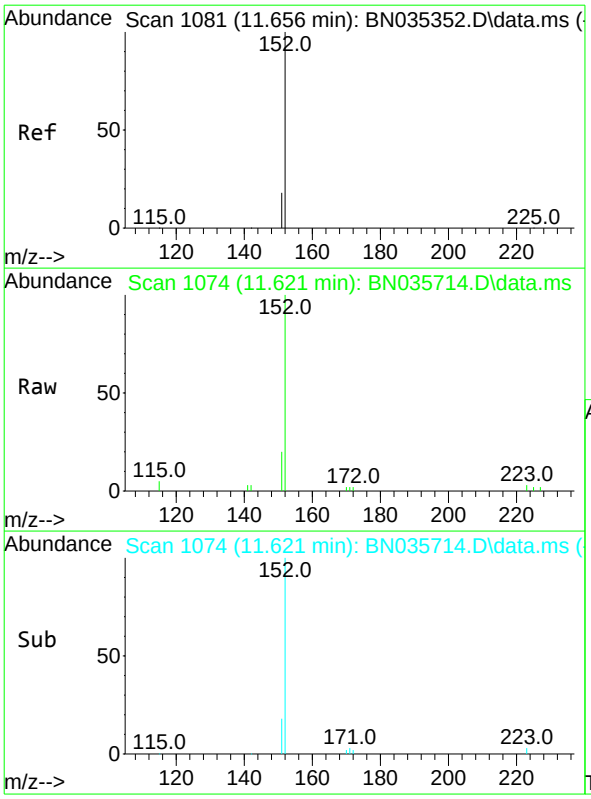


#8
Nitrobenzene-d5
Concen: 0.371 ng m
RT: 8.408 min Scan# 761
Delta R.T. -0.000 min
Lab File: BN035714.D
Acq: 19 Dec 2024 21:11

Tgt Ion: 82 Resp: 1993

Ion	Ratio	Lower	Upper
82	100		
128	44.1	33.4	50.0
54	44.1	36.7	55.1

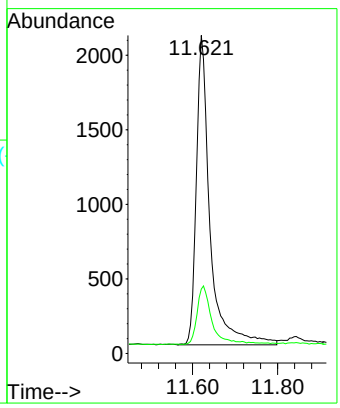




#11
2-Methylnaphthalene-d10
Concen: 0.336 ng
RT: 11.621 min Scan# 10
Delta R.T. -0.000 min
Lab File: BN035714.D
Acq: 19 Dec 2024 21:11

Tgt Ion:152 Resp: 4622

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.6	25.0



Instrument :
BNA_N
ClientSampleId :
RE122D1-20241209

Manual Integrations APPROVED

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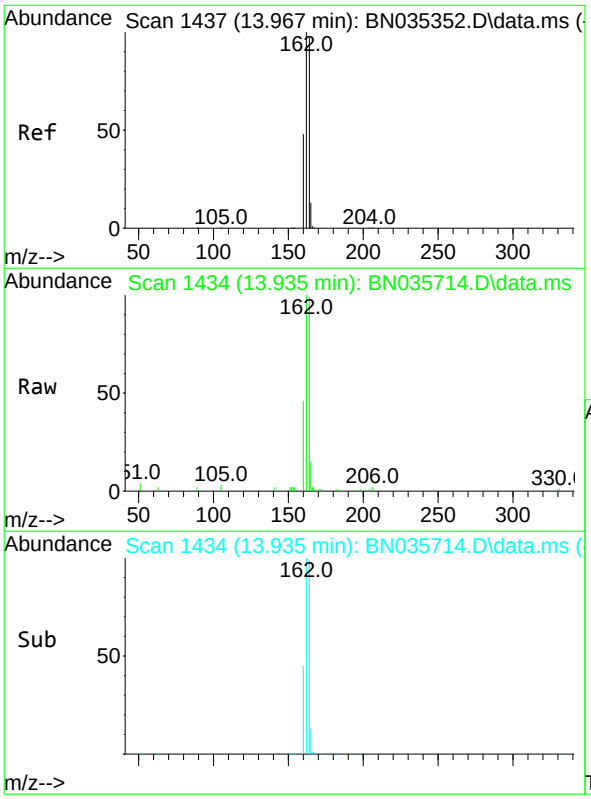
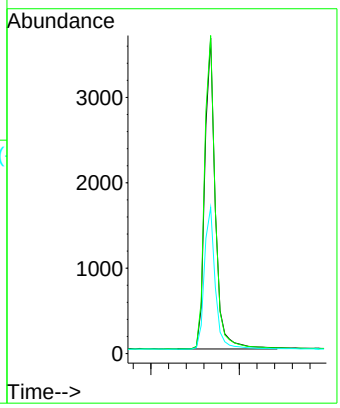
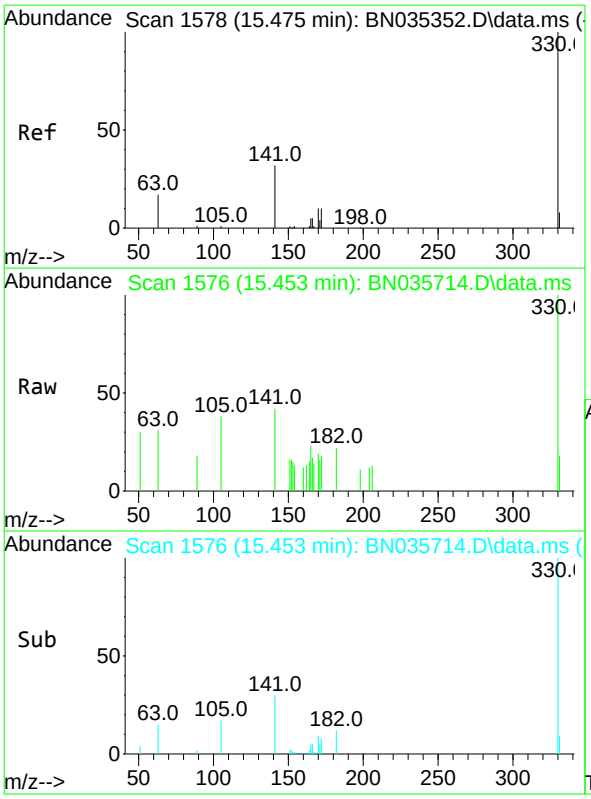


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.935 min Scan# 1434
Delta R.T. -0.000 min
Lab File: BN035714.D
Acq: 19 Dec 2024 21:11

Tgt Ion:164 Resp: 6070

Ion	Ratio	Lower	Upper
164	100		
162	100.8	82.2	123.2
160	46.3	40.1	60.1

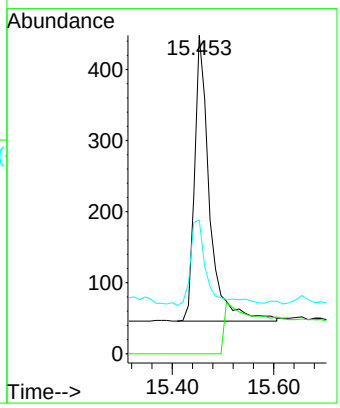




#14
2,4,6-Tribromophenol
Concen: 0.203 ng
RT: 15.453 min Scan# 15
Delta R.T. -0.000 min
Lab File: BN035714.D
Acq: 19 Dec 2024 21:11

Tgt Ion:330 Resp: 876

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	33.1	26.6	40.0



Instrument :
BNA_N
ClientSampleId :
RE122D1-20241209

Manual Integrations
APPROVED
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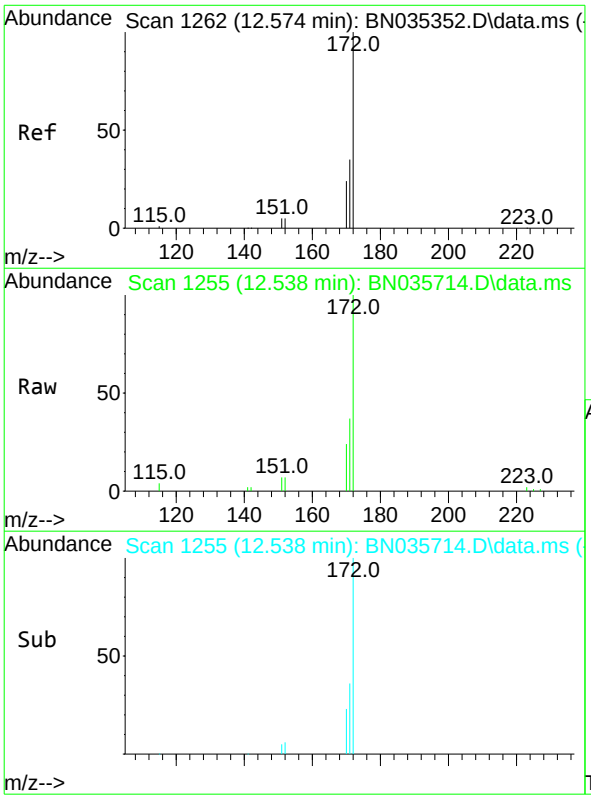
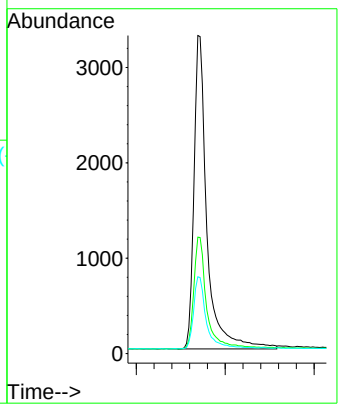
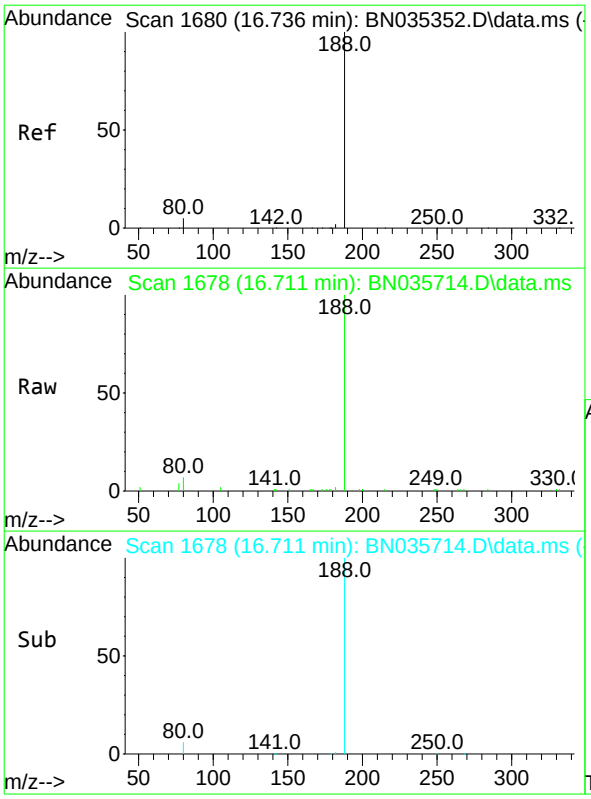


#15
2-Fluorobiphenyl
Concen: 0.291 ng
RT: 12.538 min Scan# 1255
Delta R.T. -0.005 min
Lab File: BN035714.D
Acq: 19 Dec 2024 21:11

Tgt Ion:172 Resp: 6666

Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.0	43.4
170	24.2	19.8	29.8

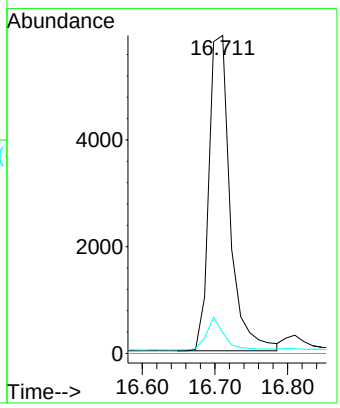




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.711 min Scan# 16
Delta R.T. 0.012 min
Lab File: BN035714.D
Acq: 19 Dec 2024 21:11

Tgt Ion:188 Resp: 11989

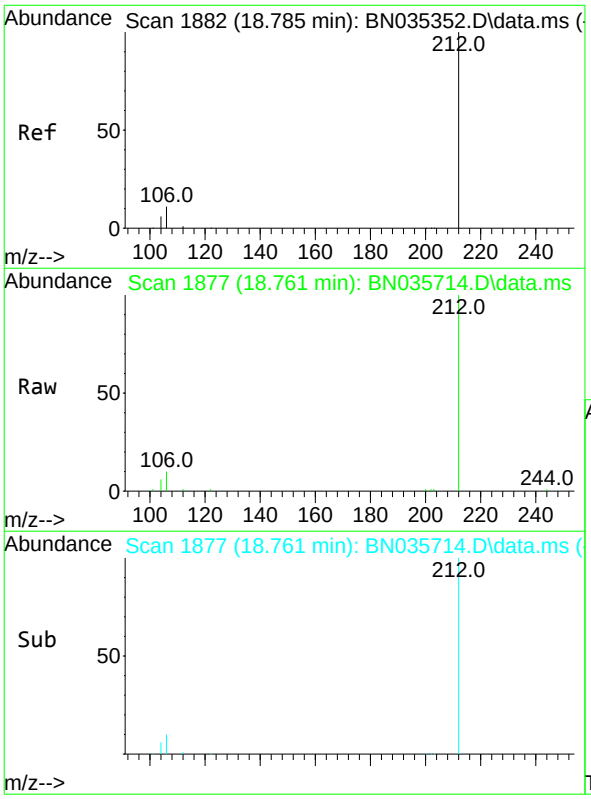
Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.6	4.6	6.8



Instrument :
BNA_N
ClientSampleId :
RE122D1-20241209

Manual Integrations
APPROVED

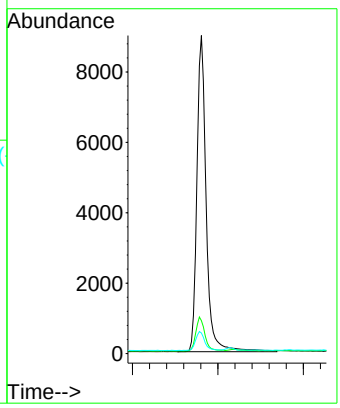
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

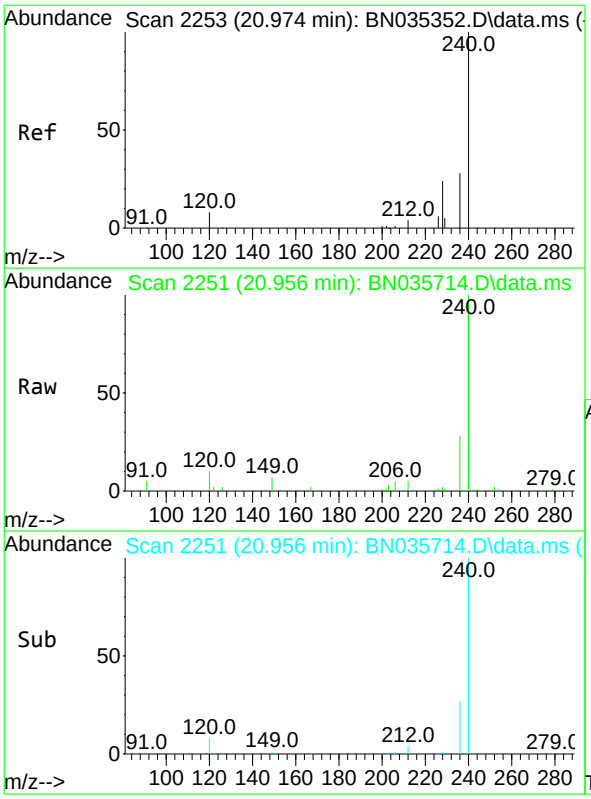


#27
Fluoranthene-d10
Concen: 0.399 ng
RT: 18.761 min Scan# 1877
Delta R.T. -0.000 min
Lab File: BN035714.D
Acq: 19 Dec 2024 21:11

Tgt Ion:212 Resp: 13563

Ion	Ratio	Lower	Upper
212	100		
106	10.4	9.2	13.8
104	5.9	5.3	7.9





#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.956 min Scan# 22
Delta R.T. -0.000 min
Lab File: BN035714.D
Acq: 19 Dec 2024 21:11

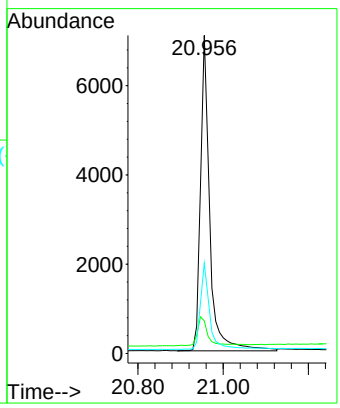
Tgt Ion:240 Resp: 10648

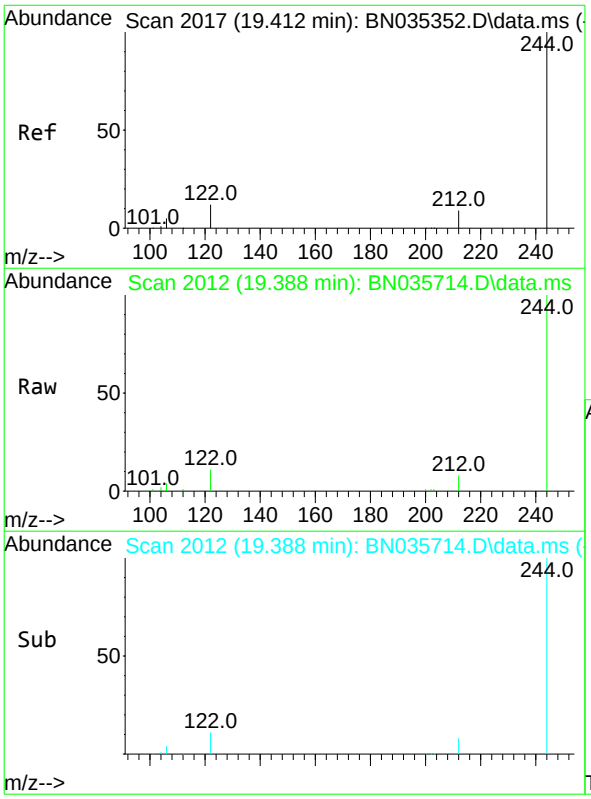
Ion	Ratio	Lower	Upper
240	100		
120	10.2	7.9	11.9
236	28.4	22.9	34.3

Instrument :
BNA_N
ClientSampleId :
RE122D1-20241209

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

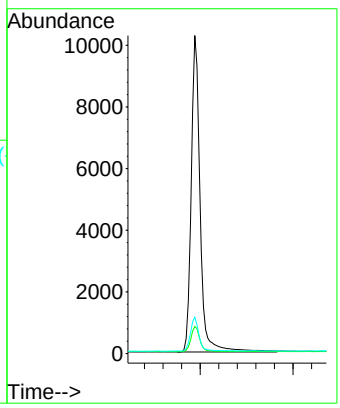


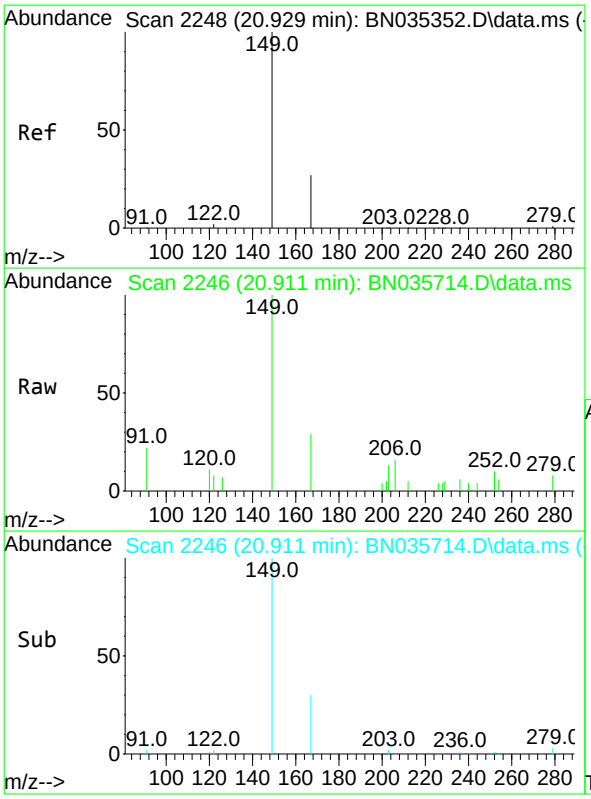


#31
Terphenyl-d14
Concen: 0.651 ng
RT: 19.388 min Scan# 2012
Delta R.T. -0.000 min
Lab File: BN035714.D
Acq: 19 Dec 2024 21:11

Tgt Ion:244 Resp: 13668

Ion	Ratio	Lower	Upper
244	100		
212	8.5	8.1	12.1
122	11.4	10.3	15.5





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.100 ng
RT: 20.911 min Scan# 22
Delta R.T. -0.000 min
Lab File: BN035714.D
Acq: 19 Dec 2024 21:11

Tgt Ion:149 Resp: 1470

Ion	Ratio	Lower	Upper
149	100		
167	27.8	22.2	33.4
279	6.1	2.7	4.1#

Instrument :
BNA_N
ClientSampleId :
RE122D1-20241209

Manual Integrations
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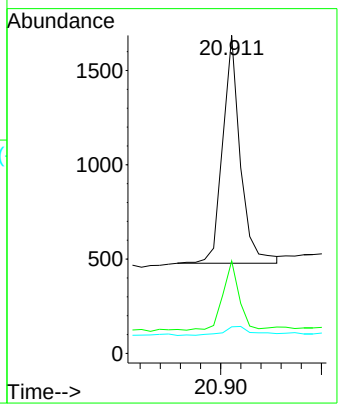
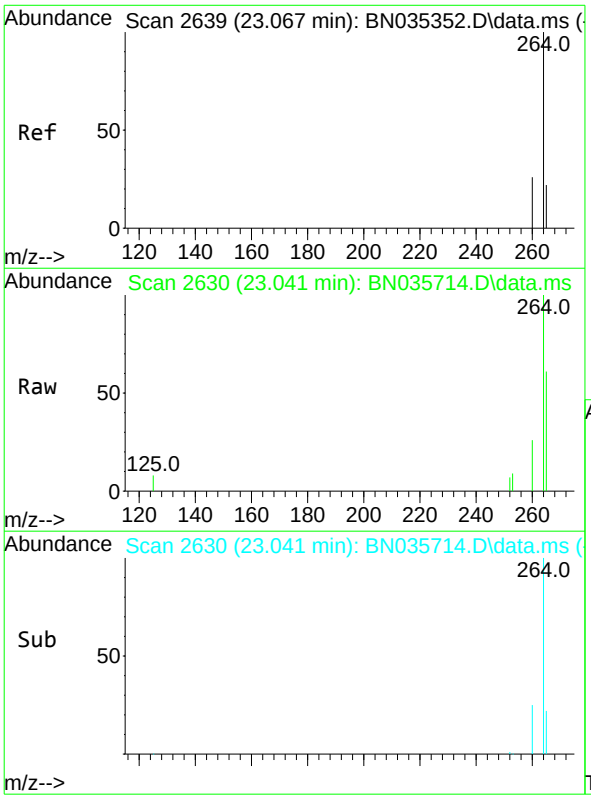
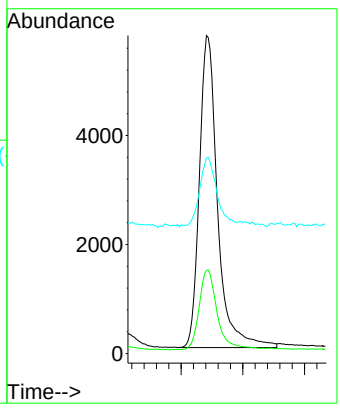




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.041 min Scan# 2630
Delta R.T. -0.000 min
Lab File: BN035714.D
Acq: 19 Dec 2024 21:11

Tgt Ion:264 Resp: 11706

Ion	Ratio	Lower	Upper
264	100		
260	26.2	21.4	32.2
265	61.5	40.2	60.4#



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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/09/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/11/24
Client Sample ID:	RE122D2-20241209	SDG No.:	P5261
Lab Sample ID:	P5261-02	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035715.D	1	12/12/24 10:30	12/19/24 21:47	PB165596

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	3.70		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.32		30 - 150		79%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.40		30 - 150		100%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.38		55 - 111		94%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.31		53 - 106		77%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.78	*	58 - 132		196%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3270	7.271				
1146-65-2	Naphthalene-d8	8890	10.02				
15067-26-2	Acenaphthene-d10	5820	13.935				
1517-22-2	Phenanthrene-d10	11100	16.698				
1719-03-5	Chrysene-d12	10300	20.956				
1520-96-3	Perylene-d12	10900	23.044				

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_N\Data\BN121924\
Data File : BN035715.D
Acq On : 19 Dec 2024 21:47
Operator : RC/JU
Sample : P5261-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 19 23:11:51 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
RE122D2-20241209

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.271	152	3267	0.400	ng	0.00
7) Naphthalene-d8	10.020	136	8893	0.400	ng	# 0.00
13) Acenaphthene-d10	13.935	164	5822	0.400	ng	0.00
19) Phenanthrene-d10	16.698	188	11137	0.400	ng	# 0.00
29) Chrysene-d12	20.956	240	10331	0.400	ng	0.00
35) Perylene-d12	23.044	264	10865	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.939	112	913	0.112	ng	0.00
5) Phenol-d6	6.491	99	523	0.053	ng	0.00
8) Nitrobenzene-d5	8.408	82	2041m	0.376	ng	0.00
11) 2-Methylnaphthalene-d10	11.621	152	4418	0.317	ng	0.00
14) 2,4,6-Tribromophenol	15.453	330	873	0.211	ng	0.00
15) 2-Fluorobiphenyl	12.543	172	6793	0.309	ng	0.00
27) Fluoranthene-d10	18.761	212	12573	0.398	ng	0.00
31) Terphenyl-d14	19.388	244	15944	0.782	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.981	88	11432	3.660	ng	97
9) Naphthalene	10.062	128	510	0.022	ng	# 61
33) Chrysene	20.991	228	911	0.024	ng	# 84
34) Bis(2-ethylhexyl)phtha...	20.911	149	1245	0.087	ng	# 94

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035715.D
Acq On : 19 Dec 2024 21:47
Operator : RC/JU
Sample : P5261-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 19 23:11:51 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
RE122D2-20241209

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Reviewed By :Yogesh Patel 12/21/2024
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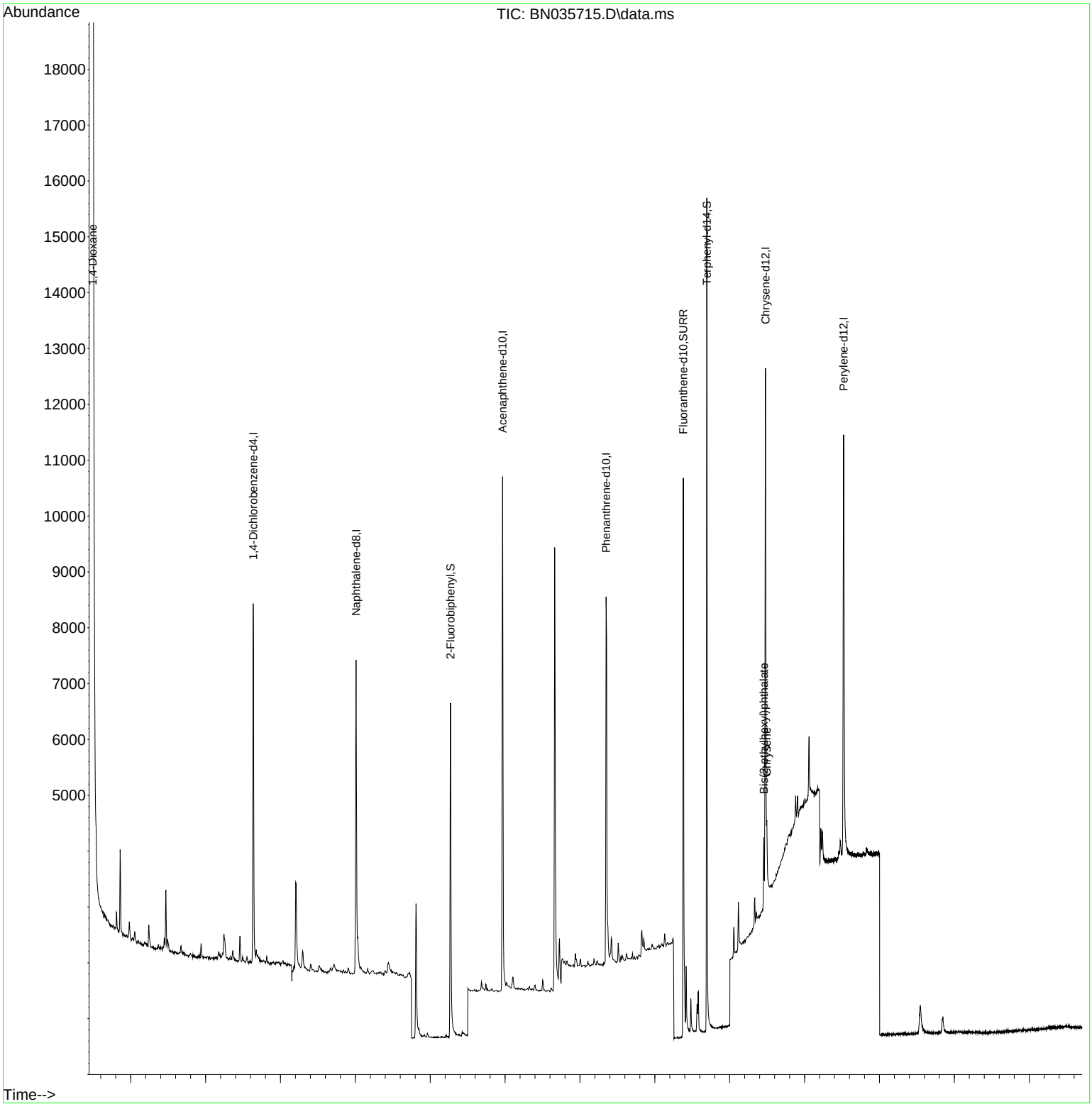
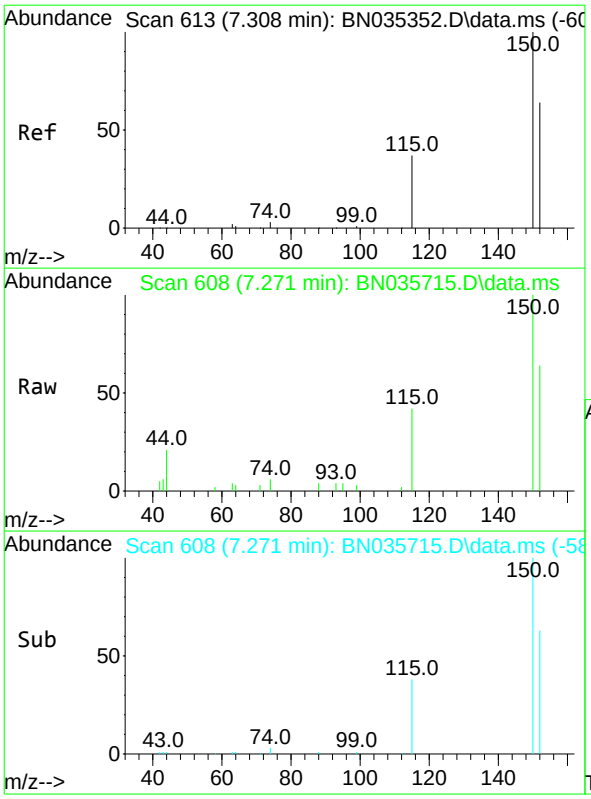
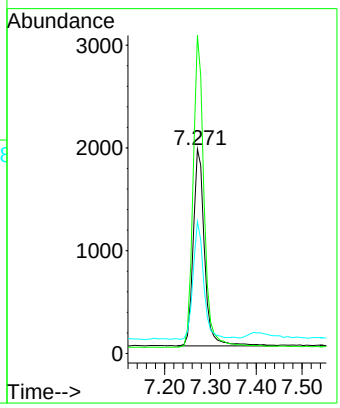




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.271 min Scan# 60
Delta R.T. -0.001 min
Lab File: BN035715.D
Acq: 19 Dec 2024 21:47

Tgt Ion:152 Resp: 3267

Ion	Ratio	Lower	Upper
152	100		
150	155.6	124.0	186.0
115	64.6	49.6	74.4



Instrument :
BNA_N
ClientSampleId :
RE122D2-20241209

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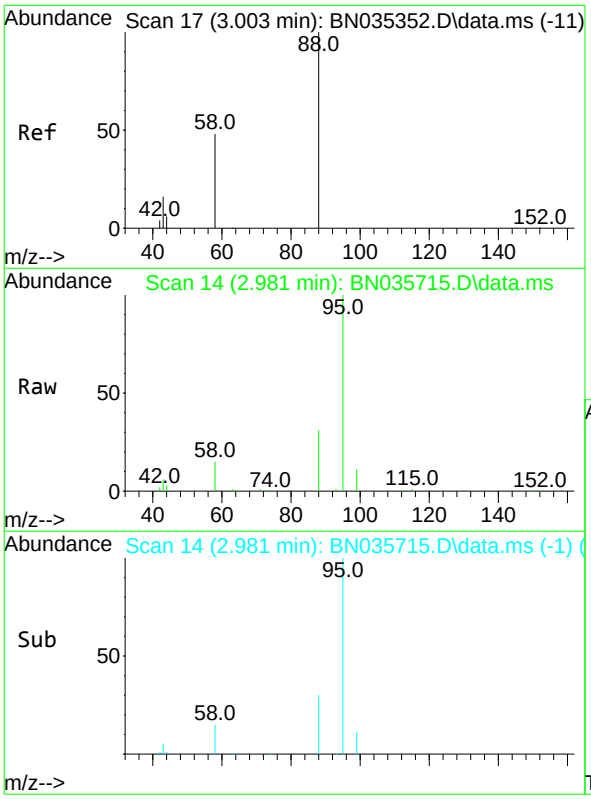
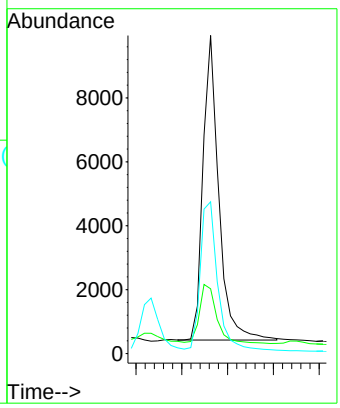
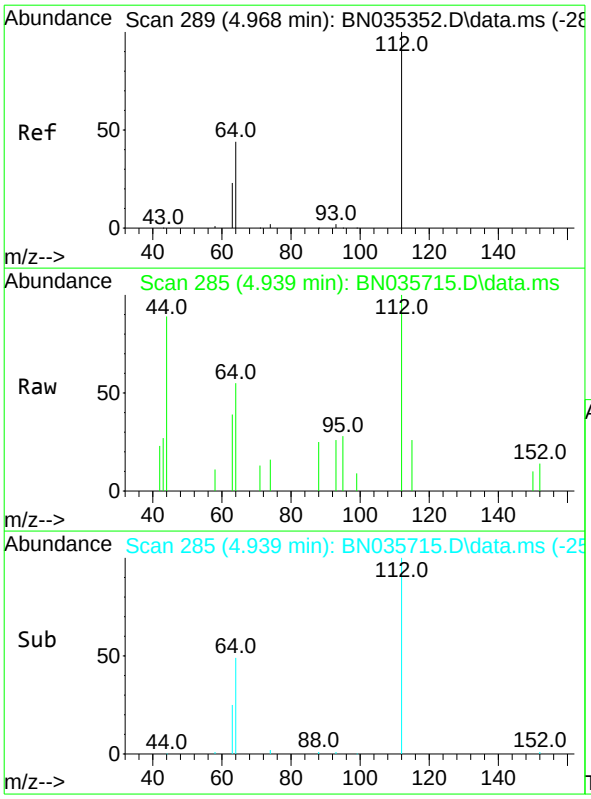


#2
1,4-Dioxane
Concen: 3.660 ng
RT: 2.981 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035715.D
Acq: 19 Dec 2024 21:47

Tgt Ion: 88 Resp: 11432

Ion	Ratio	Lower	Upper
88	100		
43	21.0	17.2	25.8
58	53.0	44.5	66.7

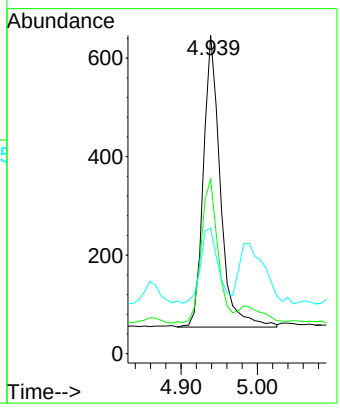




#4
2-Fluorophenol
Concen: 0.112 ng
RT: 4.939 min Scan# 28
Delta R.T. -0.000 min
Lab File: BN035715.D
Acq: 19 Dec 2024 21:47

Tgt Ion:112 Resp: 913

Ion	Ratio	Lower	Upper
112	100		
64	48.6	39.8	59.8
63	27.8	21.0	31.6



Instrument :
BNA_N
ClientSampleId :
RE122D2-20241209

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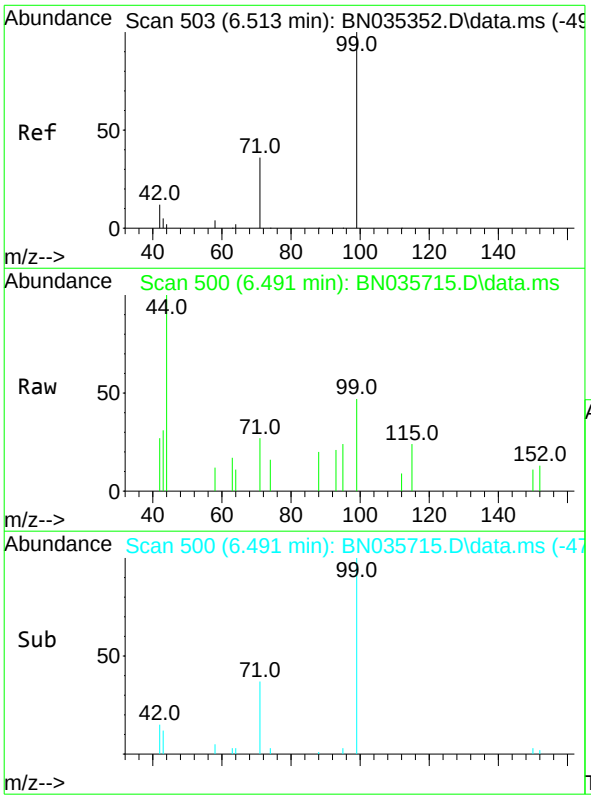
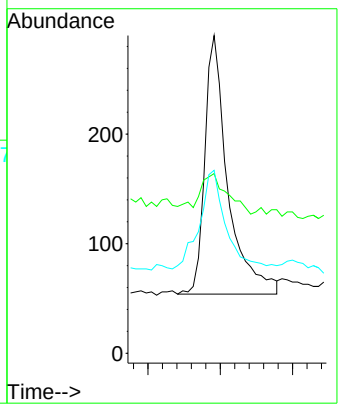
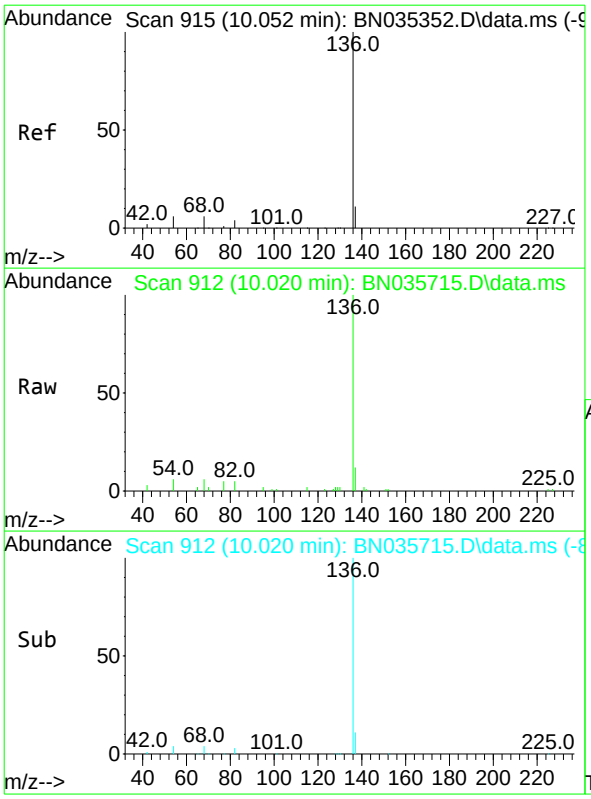


#5
Phenol-d6
Concen: 0.053 ng
RT: 6.491 min Scan# 500
Delta R.T. -0.000 min
Lab File: BN035715.D
Acq: 19 Dec 2024 21:47

Tgt Ion: 99 Resp: 523

Ion	Ratio	Lower	Upper
99	100		
42	17.4	11.4	17.2#
71	46.1	29.3	43.9#

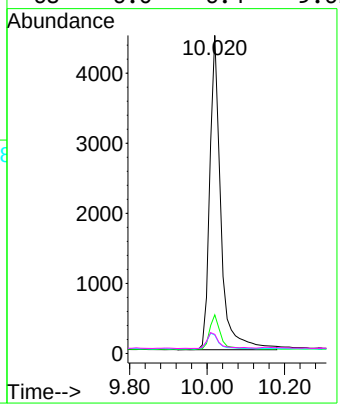




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.020 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN035715.D
Acq: 19 Dec 2024 21:47

Tgt Ion:136 Resp: 8893

Ion	Ratio	Lower	Upper
136	100		
137	12.2	10.2	15.2
54	5.8	6.1	9.1#
68	6.0	6.4	9.6#



Instrument :
BNA_N
ClientSampleId :
RE122D2-20241209

Manual Integrations APPROVED

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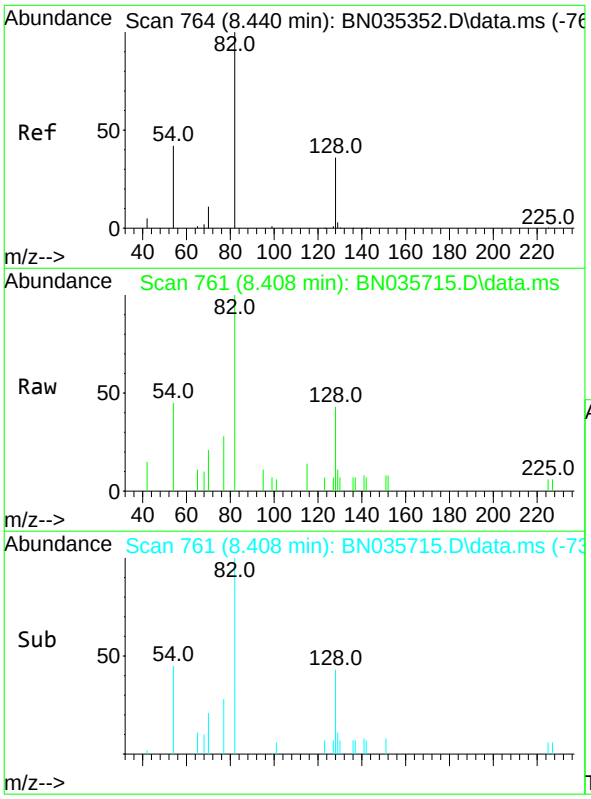
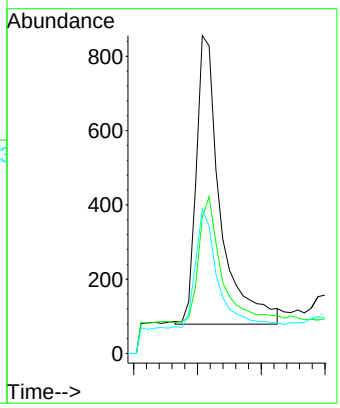
Supervised By :mohammad ahmed 12/24/2024

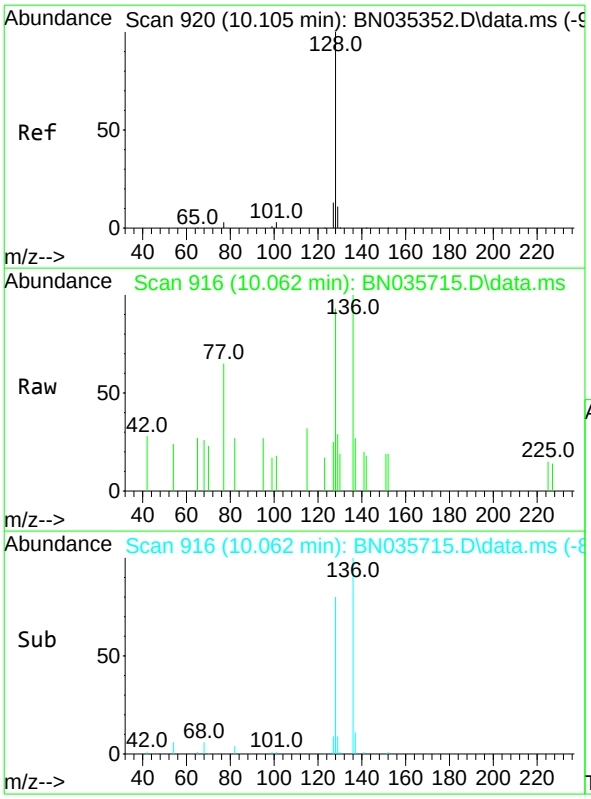


#8
Nitrobenzene-d5
Concen: 0.376 ng m
RT: 8.408 min Scan# 761
Delta R.T. -0.000 min
Lab File: BN035715.D
Acq: 19 Dec 2024 21:47

Tgt Ion: 82 Resp: 2041

Ion	Ratio	Lower	Upper
82	100		
128	43.0	33.4	50.0
54	45.3	36.7	55.1

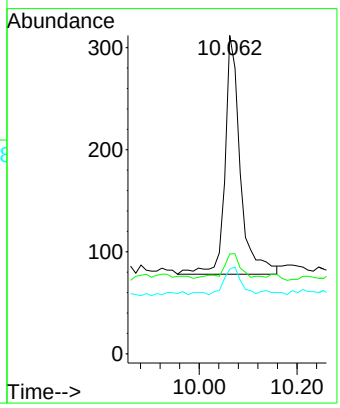




#9
Naphthalene
Concen: 0.022 ng
RT: 10.062 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN035715.D
Acq: 19 Dec 2024 21:47

Tgt Ion:128 Resp: 510

Ion	Ratio	Lower	Upper
128	100		
129	31.4	9.8	14.6#
127	26.6	11.4	17.2#



Instrument :
BNA_N
ClientSampleId :
RE122D2-20241209

Manual Integrations
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Reviewed By :Yogesh Patel 12/21/2024
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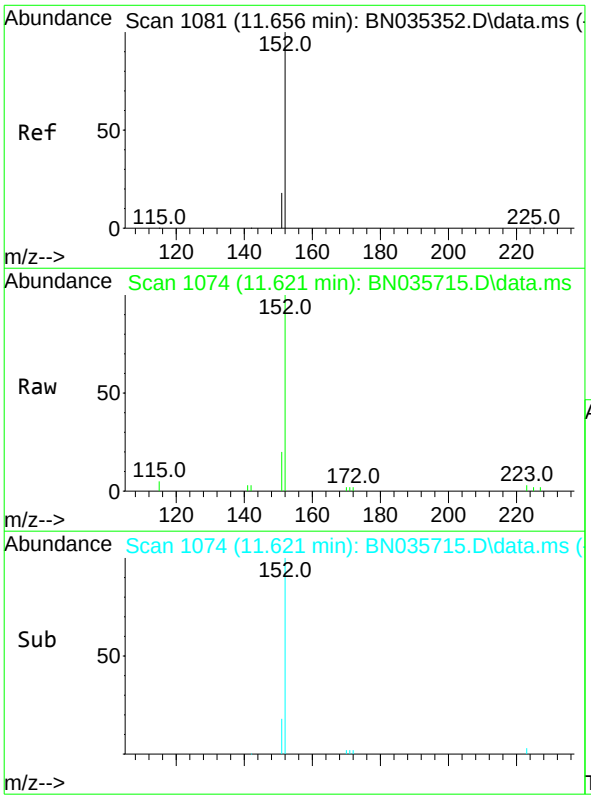
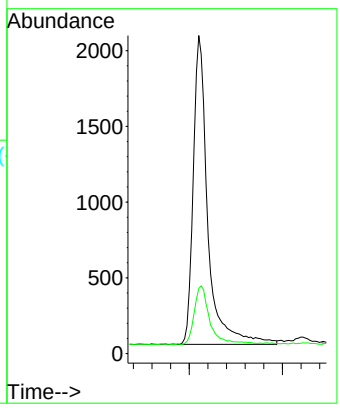
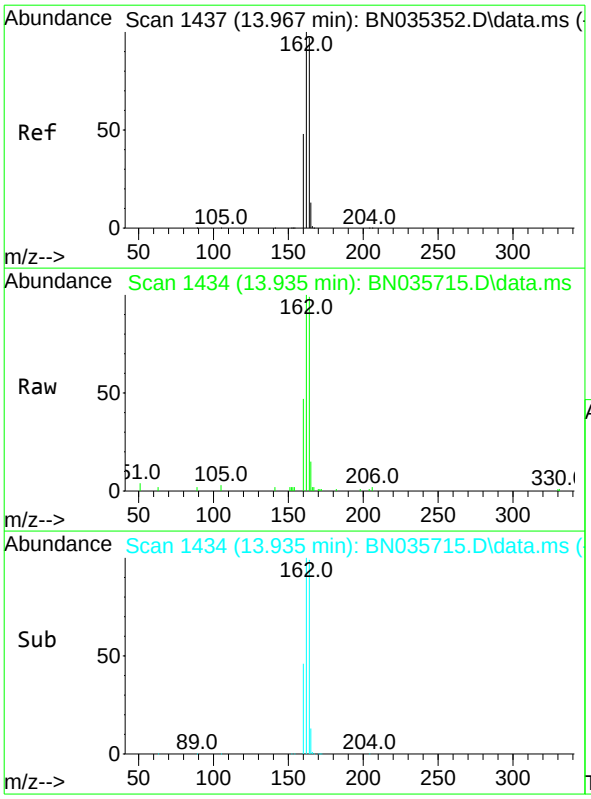


#11
2-Methylnaphthalene-d10
Concen: 0.317 ng
RT: 11.621 min Scan# 1074
Delta R.T. -0.000 min
Lab File: BN035715.D
Acq: 19 Dec 2024 21:47

Tgt Ion:152 Resp: 4418

Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.6	25.0

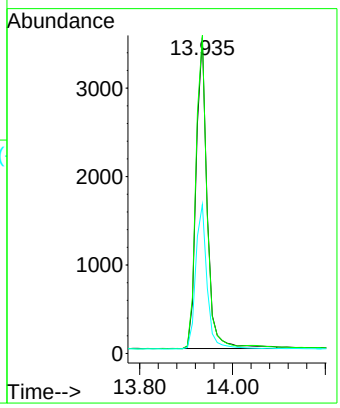




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.935 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035715.D
Acq: 19 Dec 2024 21:47

Tgt Ion:164 Resp: 5822

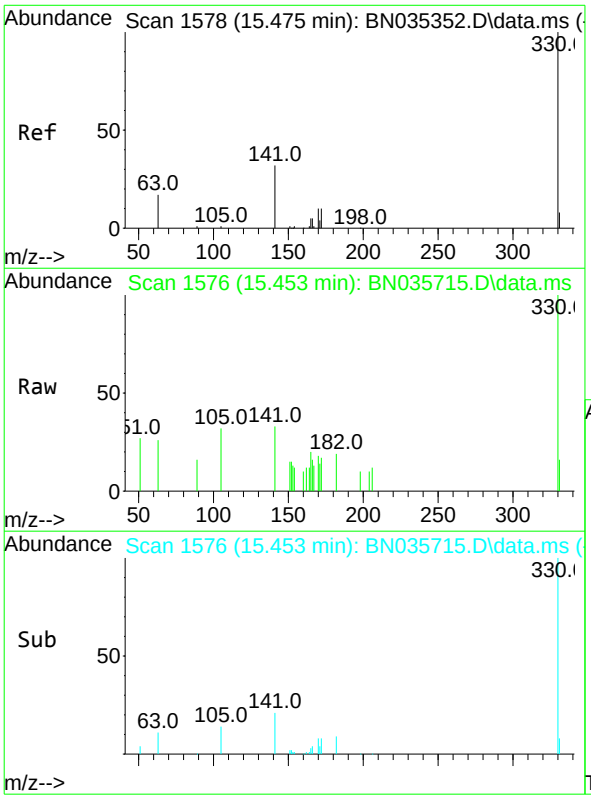
Ion	Ratio	Lower	Upper
164	100		
162	100.7	82.2	123.2
160	47.1	40.1	60.1



Instrument :
BNA_N
ClientSampleId :
RE122D2-20241209

Manual Integrations
APPROVED

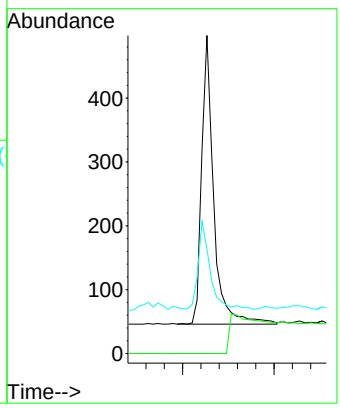
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

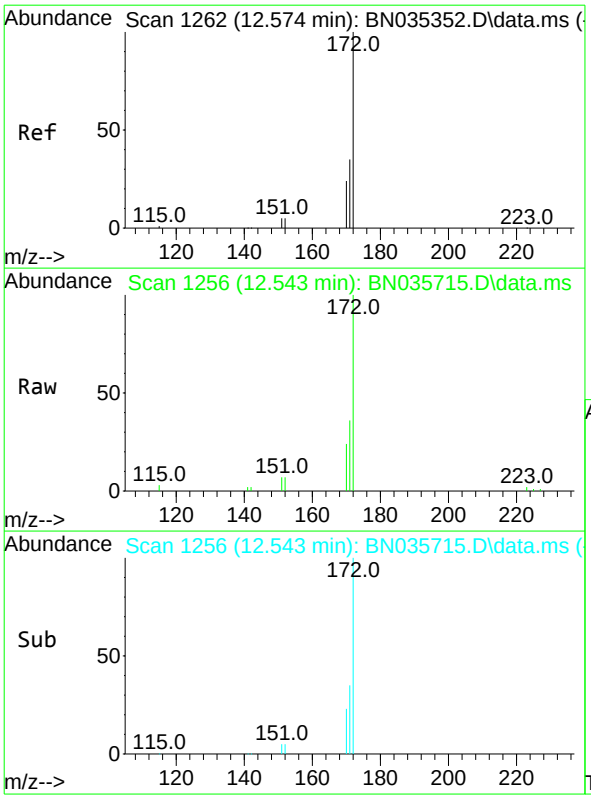


#14
2,4,6-Tribromophenol
Concen: 0.211 ng
RT: 15.453 min Scan# 1576
Delta R.T. -0.000 min
Lab File: BN035715.D
Acq: 19 Dec 2024 21:47

Tgt Ion:330 Resp: 873

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	30.1	26.6	40.0

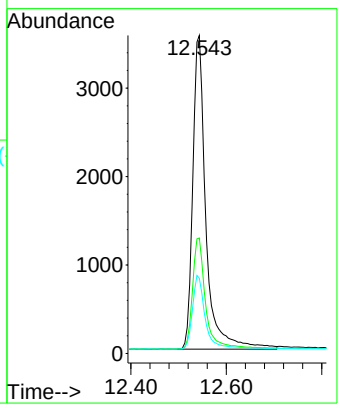




#15
2-Fluorobiphenyl
Concen: 0.309 ng
RT: 12.543 min Scan# 12
Delta R.T. -0.000 min
Lab File: BN035715.D
Acq: 19 Dec 2024 21:47

Tgt Ion:172 Resp: 6793

Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.0	43.4
170	23.7	19.8	29.8



Instrument :
BNA_N
ClientSampleId :
RE122D2-20241209

Manual Integrations
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Reviewed By :Yogesh Patel 12/21/2024
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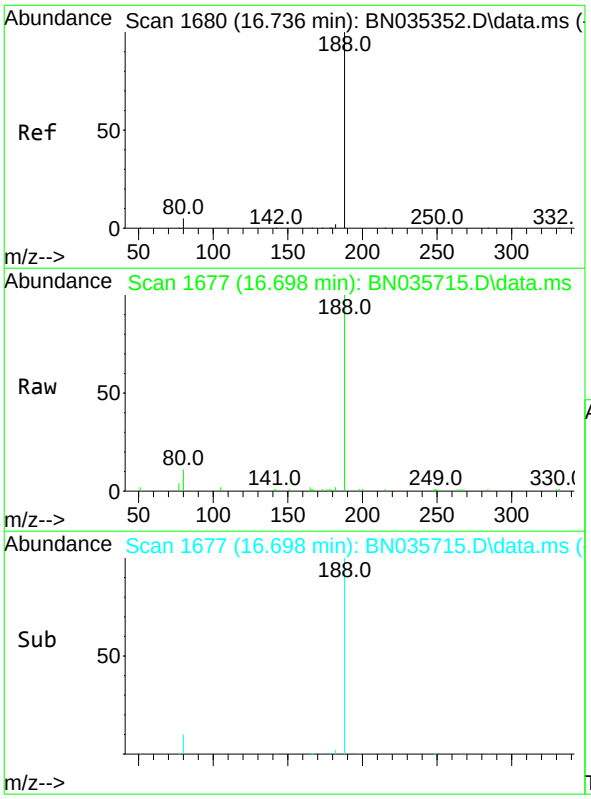
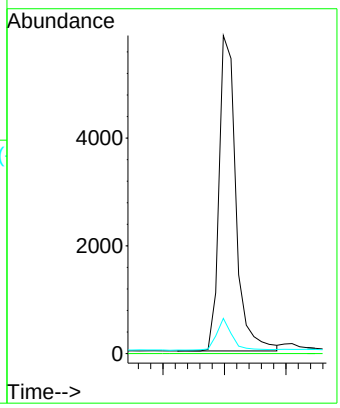
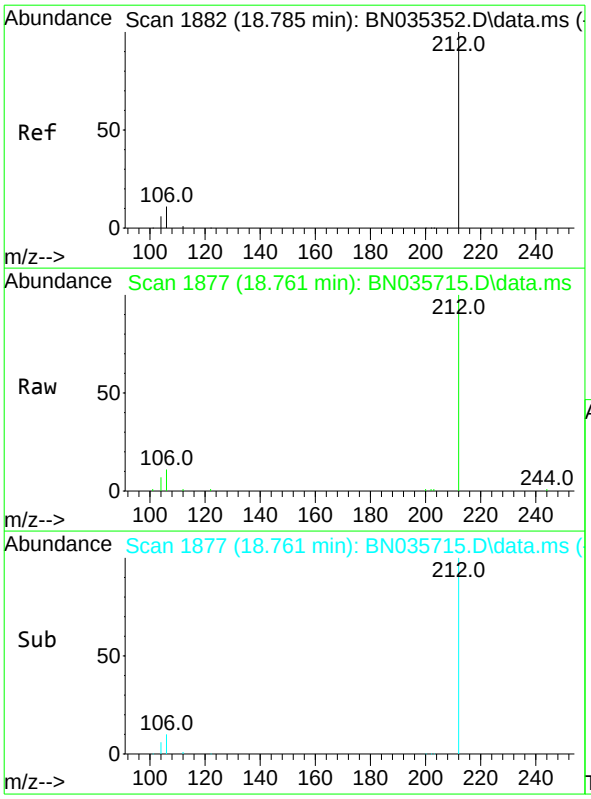


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.698 min Scan# 1677
Delta R.T. -0.000 min
Lab File: BN035715.D
Acq: 19 Dec 2024 21:47

Tgt Ion:188 Resp: 11137

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.1	4.6	6.8#

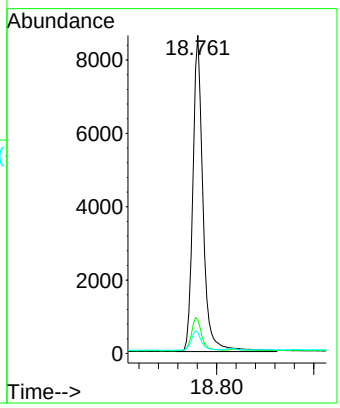




#27
Fluoranthene-d10
Concen: 0.398 ng
RT: 18.761 min Scan# 18
Delta R.T. -0.000 min
Lab File: BN035715.D
Acq: 19 Dec 2024 21:47

Tgt Ion:212 Resp: 12573

Ion	Ratio	Lower	Upper
212	100		
106	10.6	9.2	13.8
104	6.3	5.3	7.9



Instrument :
BNA_N
ClientSampleId :
RE122D2-20241209

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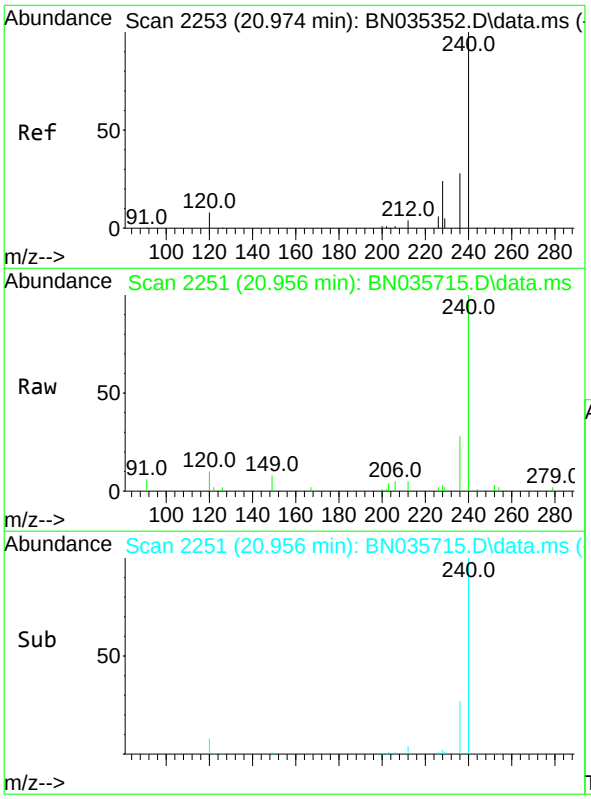
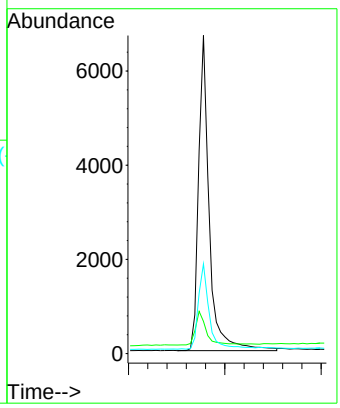
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

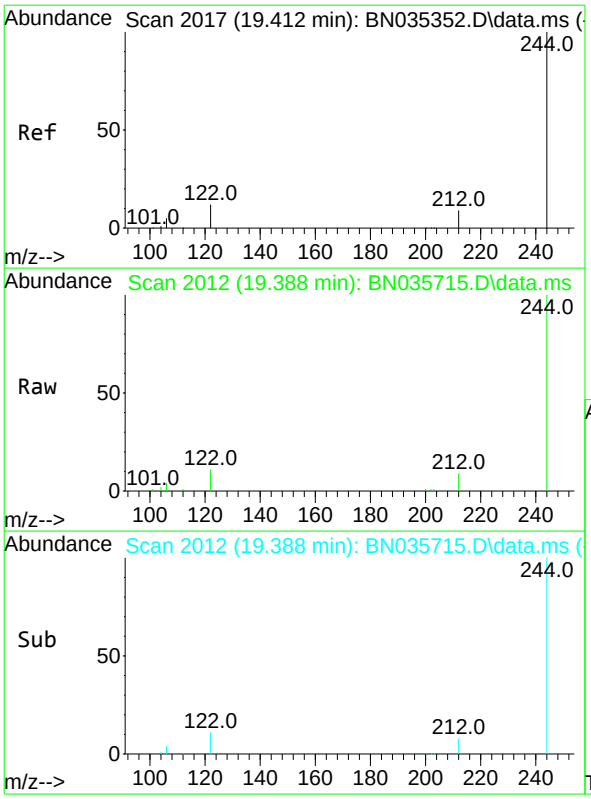


#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.956 min Scan# 2251
Delta R.T. -0.000 min
Lab File: BN035715.D
Acq: 19 Dec 2024 21:47

Tgt Ion:240 Resp: 10331

Ion	Ratio	Lower	Upper
240	100		
120	10.1	7.9	11.9
236	28.2	22.9	34.3

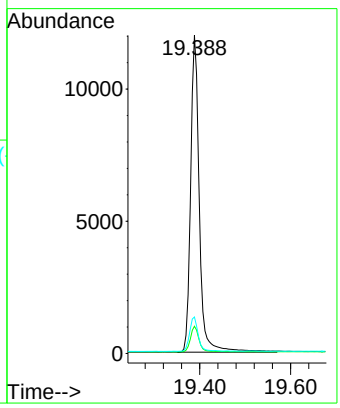




#31
Terphenyl-d14
Concen: 0.782 ng
RT: 19.388 min Scan# 20
Delta R.T. -0.000 min
Lab File: BN035715.D
Acq: 19 Dec 2024 21:47

Tgt Ion:244 Resp: 15944

Ion	Ratio	Lower	Upper
244	100		
212	8.6	8.1	12.1
122	11.5	10.3	15.5



Instrument :
BNA_N
ClientSampleId :
RE122D2-20241209

Manual Integrations
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Reviewed By :Yogesh Patel 12/21/2024
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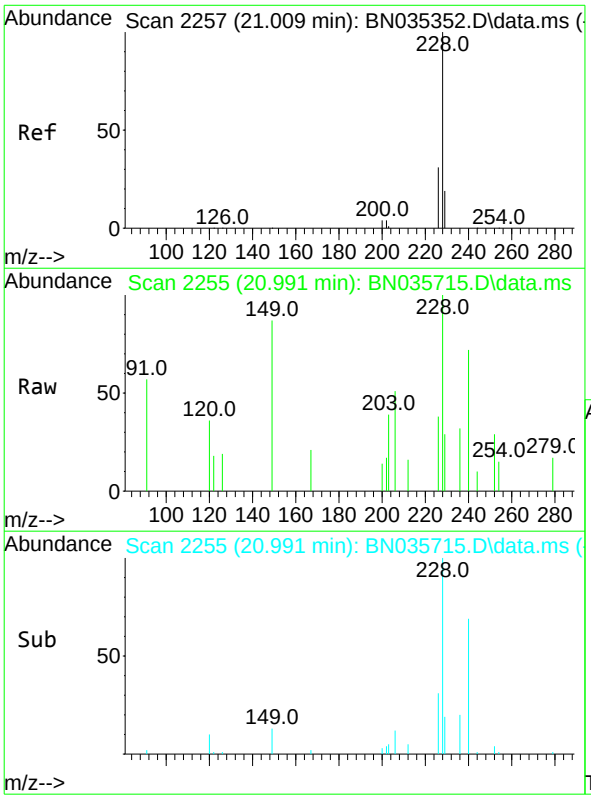
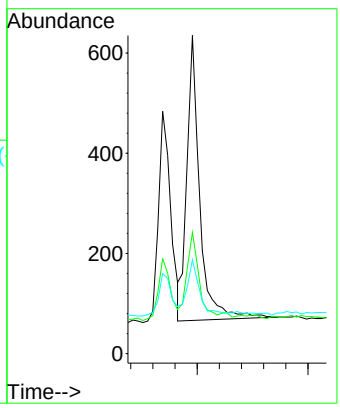
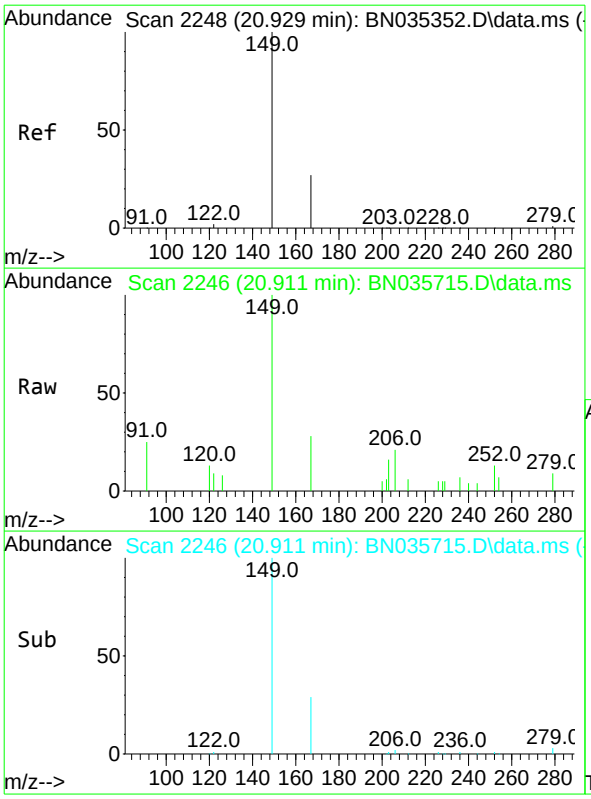


#33
Chrysene
Concen: 0.024 ng
RT: 20.991 min Scan# 2255
Delta R.T. -0.000 min
Lab File: BN035715.D
Acq: 19 Dec 2024 21:47

Tgt Ion:228 Resp: 911

Ion	Ratio	Lower	Upper
228	100		
226	38.1	24.6	37.0#
229	29.4	15.9	23.9#





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.087 ng
RT: 20.911 min Scan# 22
Delta R.T. -0.000 min
Lab File: BN035715.D
Acq: 19 Dec 2024 21:47

Tgt Ion:149 Resp: 1245

Ion	Ratio	Lower	Upper
149	100		
167	24.8	22.2	33.4
279	5.0	2.7	4.1#

Instrument :
BNA_N
ClientSampleId :
RE122D2-20241209

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/21/2024
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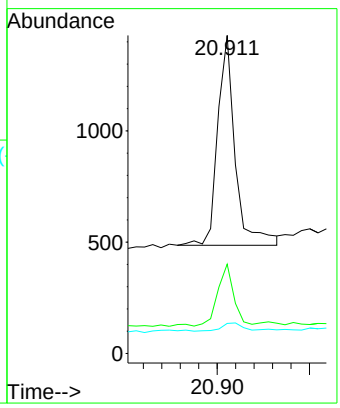
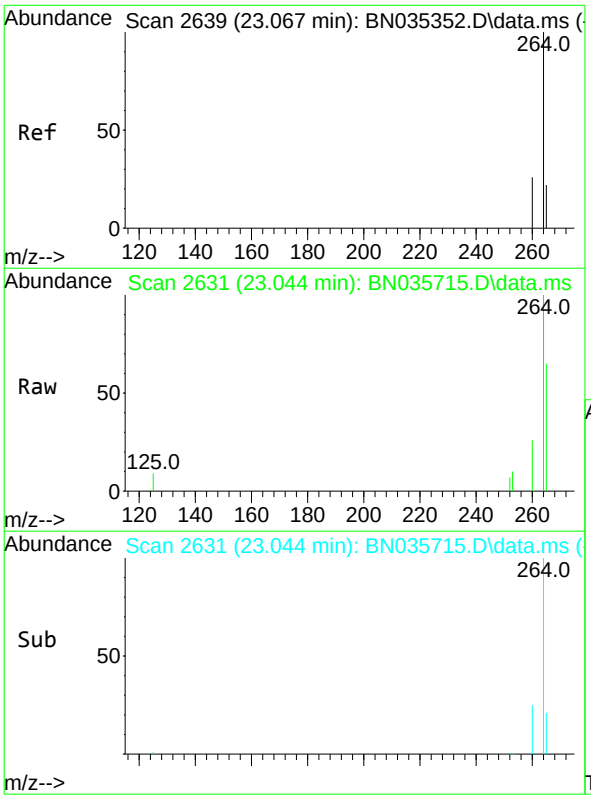
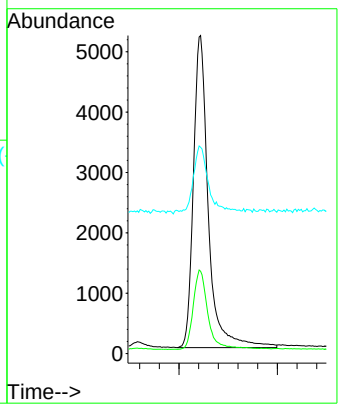




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.044 min Scan# 2631
Delta R.T. 0.003 min
Lab File: BN035715.D
Acq: 19 Dec 2024 21:47

Tgt Ion:264 Resp: 10865

Ion	Ratio	Lower	Upper
264	100		
260	25.9	21.4	32.2
265	64.9	40.2	60.4#



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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/09/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/11/24
Client Sample ID:	RE122D3-20241209	SDG No.:	P5261
Lab Sample ID:	P5261-03	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035716.D	1	12/12/24 10:30	12/19/24 22:23	PB165596

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.20	U	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.34		30 - 150		84%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.38		30 - 150		95%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.37		55 - 111		91%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.29		53 - 106		72%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.61	*	58 - 132		152%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3240	7.272				
1146-65-2	Naphthalene-d8	9120	10.02				
15067-26-2	Acenaphthene-d10	6260	13.935				
1517-22-2	Phenanthrene-d10	12100	16.711				
1719-03-5	Chrysene-d12	10800	20.956				
1520-96-3	Perylene-d12	12200	23.044				

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_N\Data\BN121924\
Data File : BN035716.D
Acq On : 19 Dec 2024 22:23
Operator : RC/JU
Sample : P5261-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE122D3-20241209

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

Quant Time: Dec 19 23:12:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.272	152	3243	0.400	ng	0.00
7) Naphthalene-d8	10.020	136	9120	0.400	ng	# 0.00
13) Acenaphthene-d10	13.935	164	6257	0.400	ng	0.00
19) Phenanthrene-d10	16.711	188	12060	0.400	ng	0.01
29) Chrysene-d12	20.956	240	10841	0.400	ng	0.00
35) Perylene-d12	23.044	264	12188	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.939	112	910	0.112	ng	0.00
5) Phenol-d6	6.492	99	515	0.053	ng	0.00
8) Nitrobenzene-d5	8.408	82	2040m	0.366	ng	0.00
11) 2-Methylnaphthalene-d10	11.621	152	4807	0.337	ng	0.00
14) 2,4,6-Tribromophenol	15.453	330	875	0.197	ng	0.00
15) 2-Fluorobiphenyl	12.544	172	6829	0.289	ng	0.00
27) Fluoranthene-d10	18.761	212	12958	0.379	ng	0.00
31) Terphenyl-d14	19.389	244	13031	0.609	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.063	128	552	0.023	ng	# 55
34) Bis(2-ethylhexyl)phtha...	20.911	149	1257	0.084	ng	# 98
37) Benzo(b)fluoranthene	22.436	252	1246	0.028	ng	# 1

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035716.D
Acq On : 19 Dec 2024 22:23
Operator : RC/JU
Sample : P5261-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 19 23:12:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
RE122D3-20241209

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/21/2024
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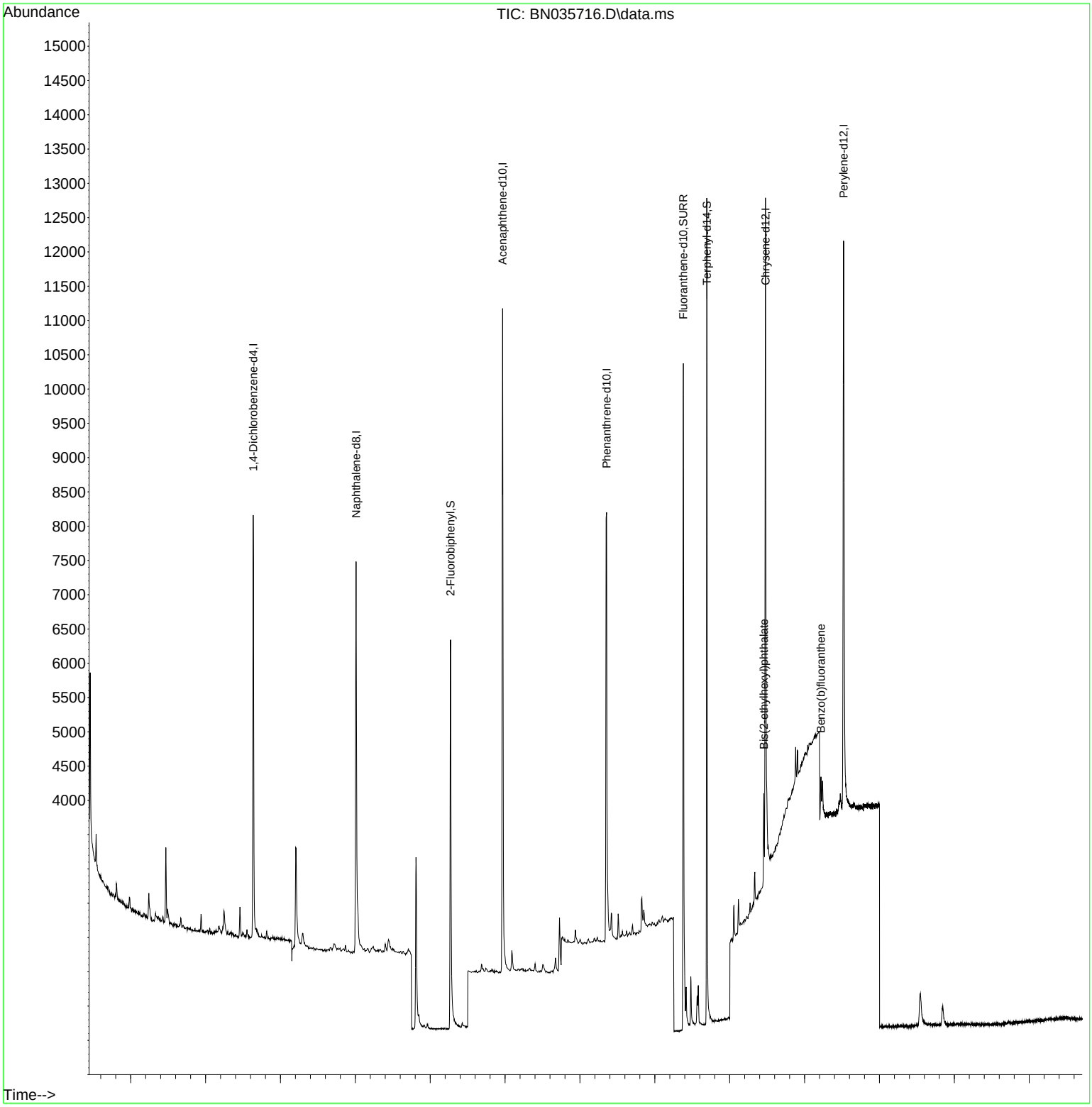
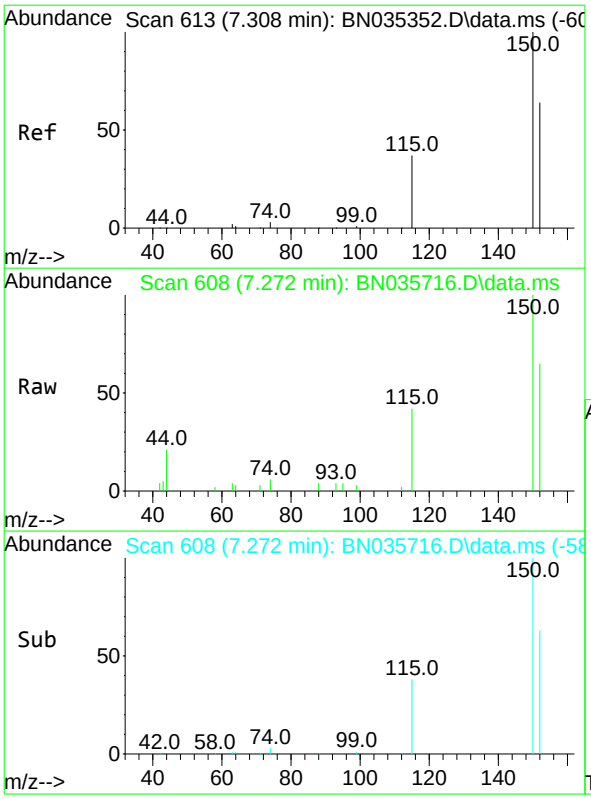
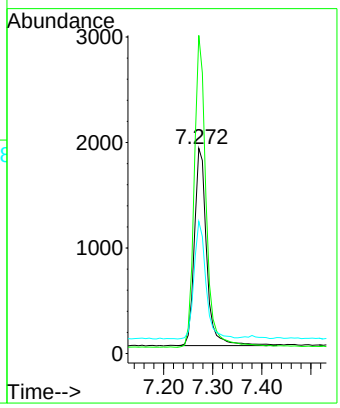




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.272 min Scan# 60
Delta R.T. -0.000 min
Lab File: BN035716.D
Acq: 19 Dec 2024 22:23

Tgt Ion:152 Resp: 3243

Ion	Ratio	Lower	Upper
152	100		
150	155.0	124.0	186.0
115	64.4	49.6	74.4



Instrument :
BNA_N
ClientSampleId :
RE122D3-20241209

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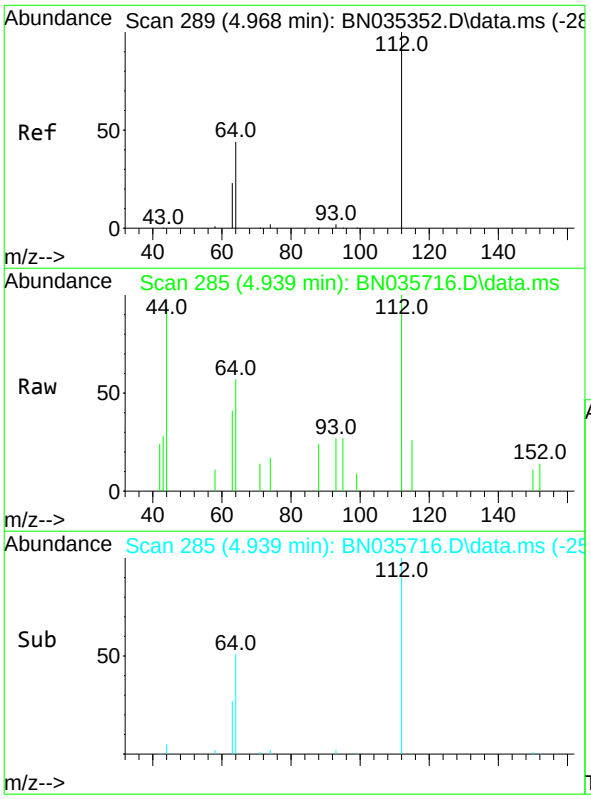
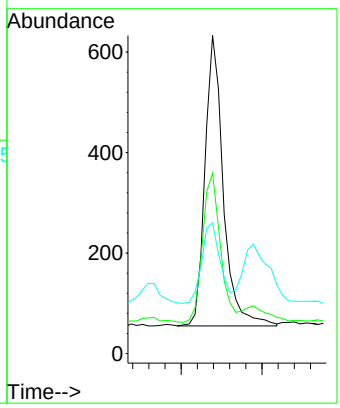
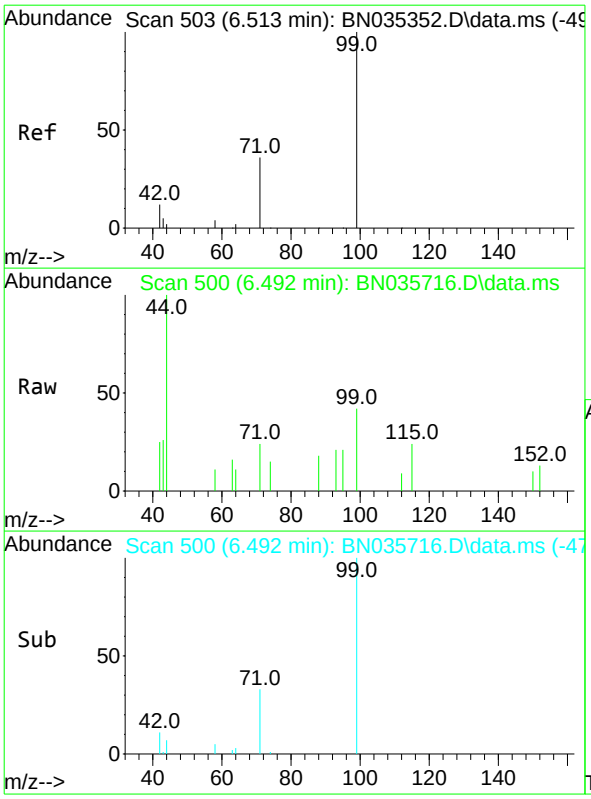


#4
2-Fluorophenol
Concen: 0.112 ng
RT: 4.939 min Scan# 285
Delta R.T. -0.000 min
Lab File: BN035716.D
Acq: 19 Dec 2024 22:23

Tgt Ion:112 Resp: 910

Ion	Ratio	Lower	Upper
112	100		
64	51.0	39.8	59.8
63	27.9	21.0	31.6

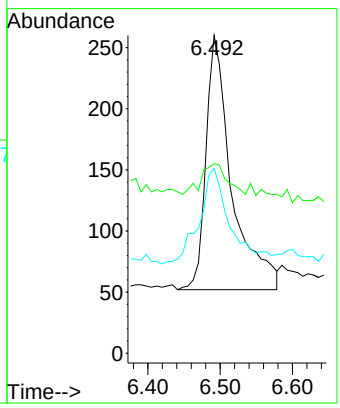




#5
Phenol-d6
Concen: 0.053 ng
RT: 6.492 min Scan# 50
Delta R.T. -0.000 min
Lab File: BN035716.D
Acq: 19 Dec 2024 22:23

Tgt Ion: 99 Resp: 515

Ion	Ratio	Lower	Upper
99	100		
42	12.8	11.4	17.2
71	45.0	29.3	43.9#



Instrument :
BNA_N
ClientSampleId :
RE122D3-20241209

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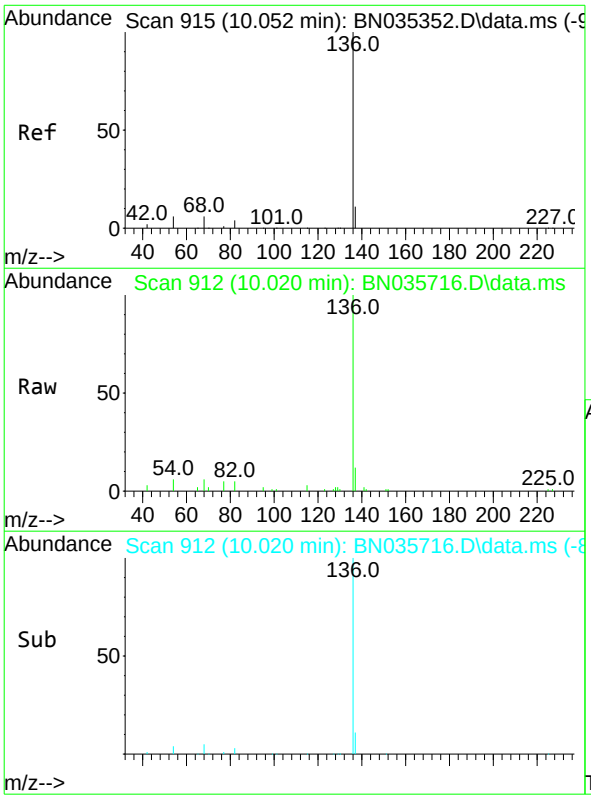
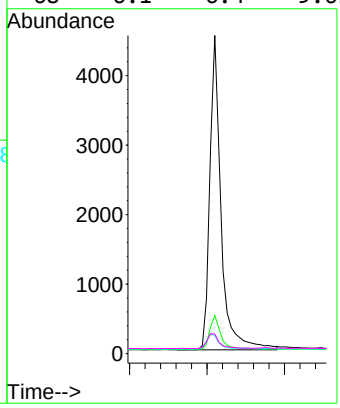
Supervised By :mohammad ahmed 12/24/2024

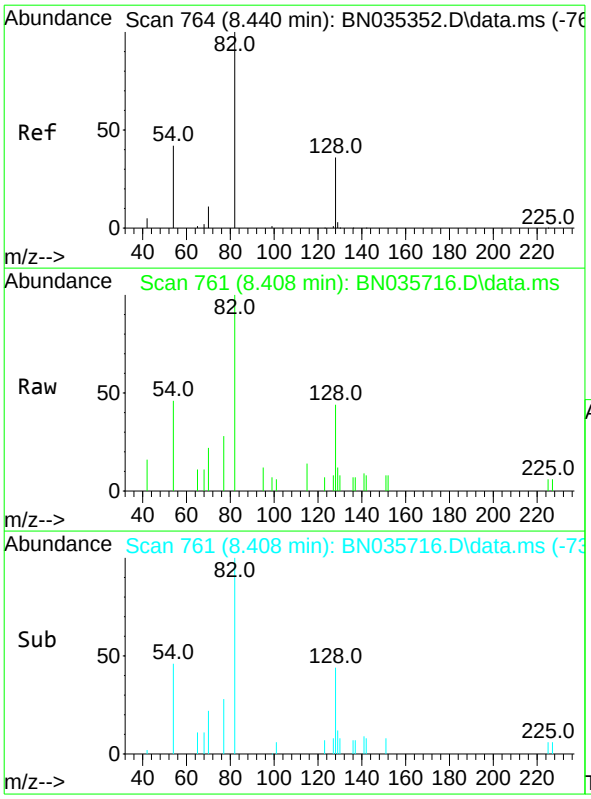


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.020 min Scan# 912
Delta R.T. -0.000 min
Lab File: BN035716.D
Acq: 19 Dec 2024 22:23

Tgt Ion:136 Resp: 9120

Ion	Ratio	Lower	Upper
136	100		
137	12.0	10.2	15.2
54	5.6	6.1	9.1#
68	6.1	6.4	9.6#

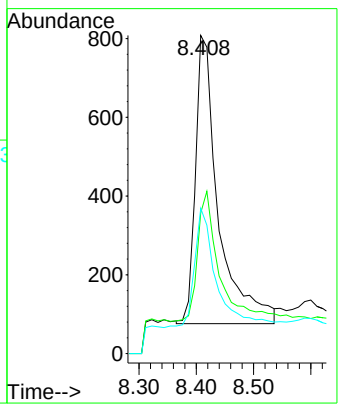




#8
Nitrobenzene-d5
Concen: 0.366 ng m
RT: 8.408 min Scan# 76
Delta R.T. -0.000 min
Lab File: BN035716.D
Acq: 19 Dec 2024 22:23

Tgt Ion: 82 Resp: 2040

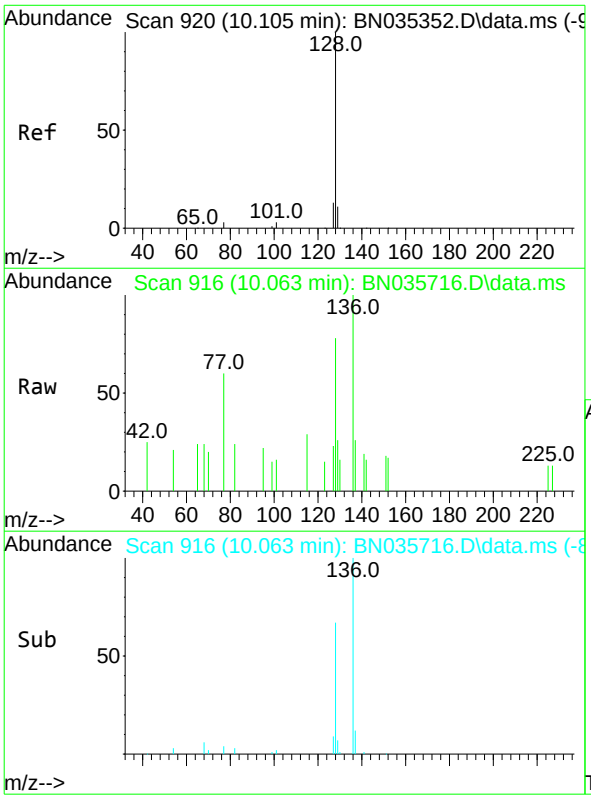
Ion	Ratio	Lower	Upper
82	100		
128	44.2	33.4	50.0
54	45.7	36.7	55.1



Instrument :
BNA_N
ClientSampleId :
RE122D3-20241209

Manual Integrations APPROVED

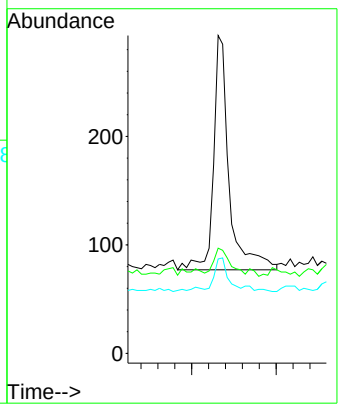
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

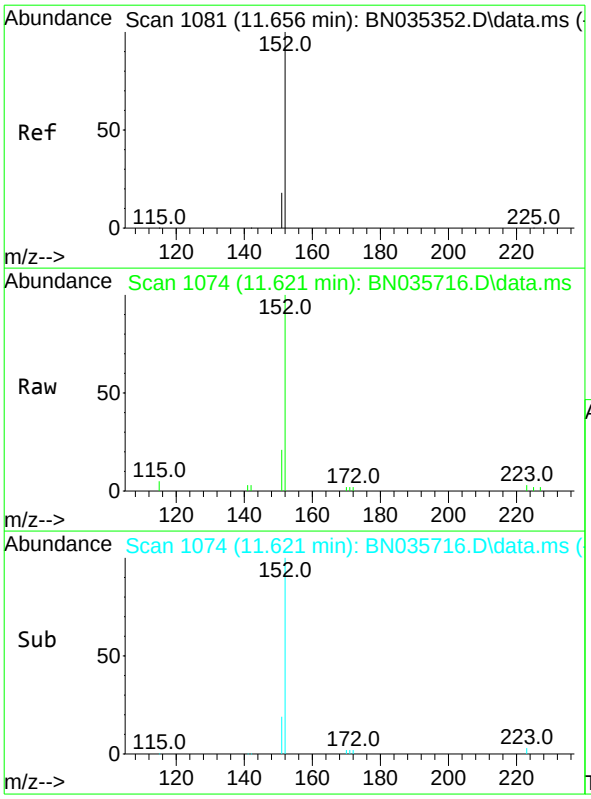


#9
Naphthalene
Concen: 0.023 ng
RT: 10.063 min Scan# 916
Delta R.T. -0.000 min
Lab File: BN035716.D
Acq: 19 Dec 2024 22:23

Tgt Ion:128 Resp: 552

Ion	Ratio	Lower	Upper
128	100		
129	33.1	9.8	14.6#
127	29.7	11.4	17.2#

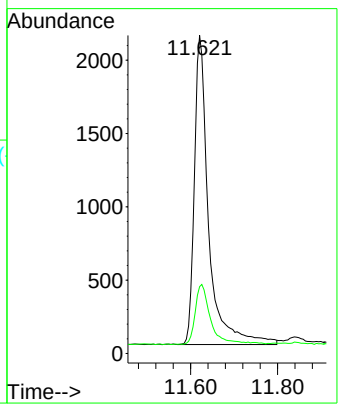




#11
2-Methylnaphthalene-d10
Concen: 0.337 ng
RT: 11.621 min Scan# 10
Delta R.T. -0.000 min
Lab File: BN035716.D
Acq: 19 Dec 2024 22:23

Tgt Ion:152 Resp: 4807

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.6	25.0



Instrument :
BNA_N
ClientSampleId :
RE122D3-20241209

Manual Integrations
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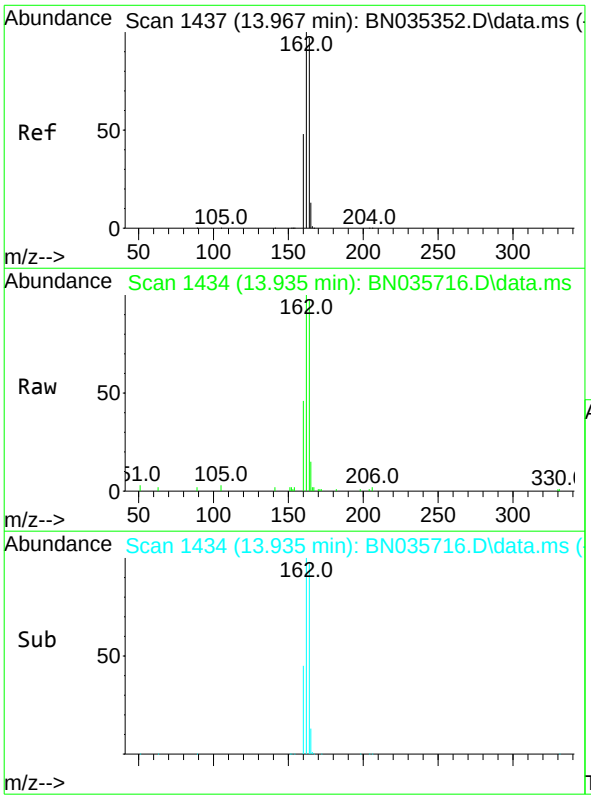
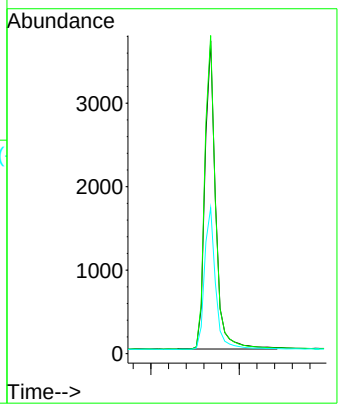
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

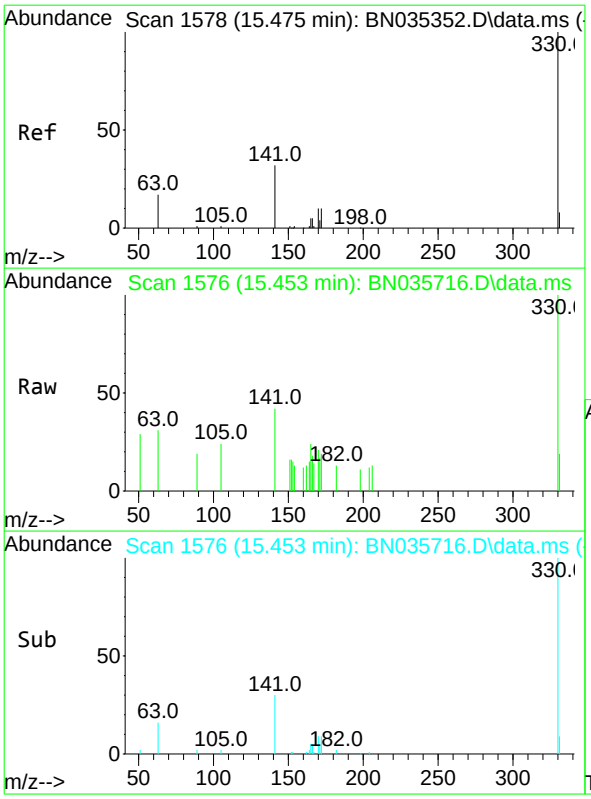


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.935 min Scan# 1434
Delta R.T. -0.000 min
Lab File: BN035716.D
Acq: 19 Dec 2024 22:23

Tgt Ion:164 Resp: 6257

Ion	Ratio	Lower	Upper
164	100		
162	101.7	82.2	123.2
160	46.6	40.1	60.1





#14
2,4,6-Tribromophenol
Concen: 0.197 ng
RT: 15.453 min Scan# 15
Delta R.T. -0.000 min
Lab File: BN035716.D
Acq: 19 Dec 2024 22:23

Tgt Ion:330 Resp: 875

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	28.3	26.6	40.0

Instrument :
BNA_N
ClientSampleId :
RE122D3-20241209

Manual Integrations
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Reviewed By :Yogesh Patel 12/21/2024
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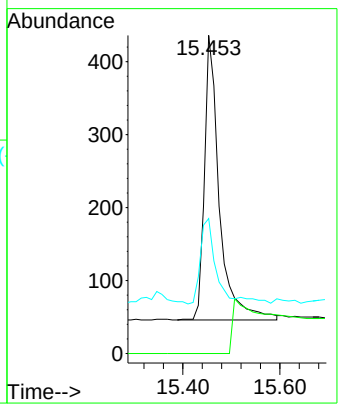
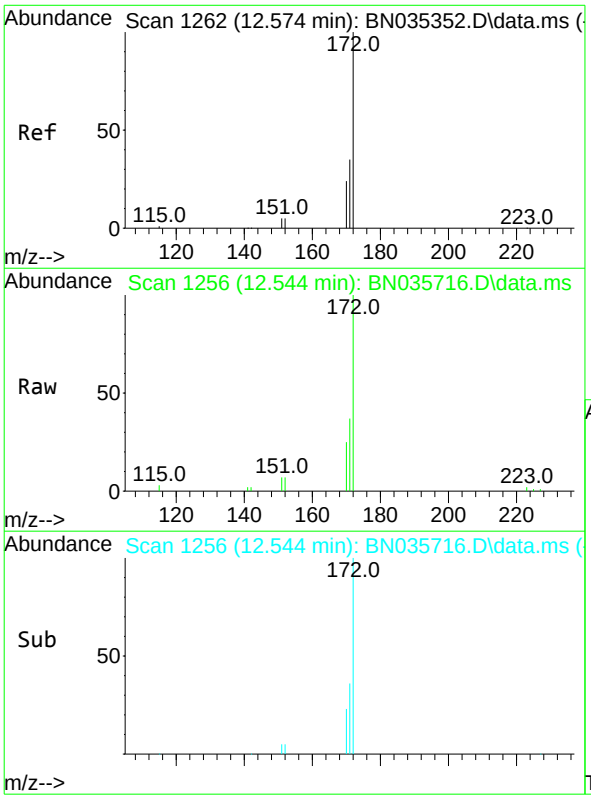
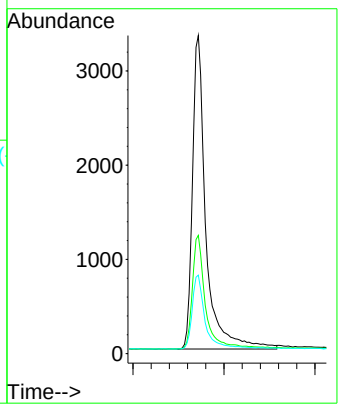


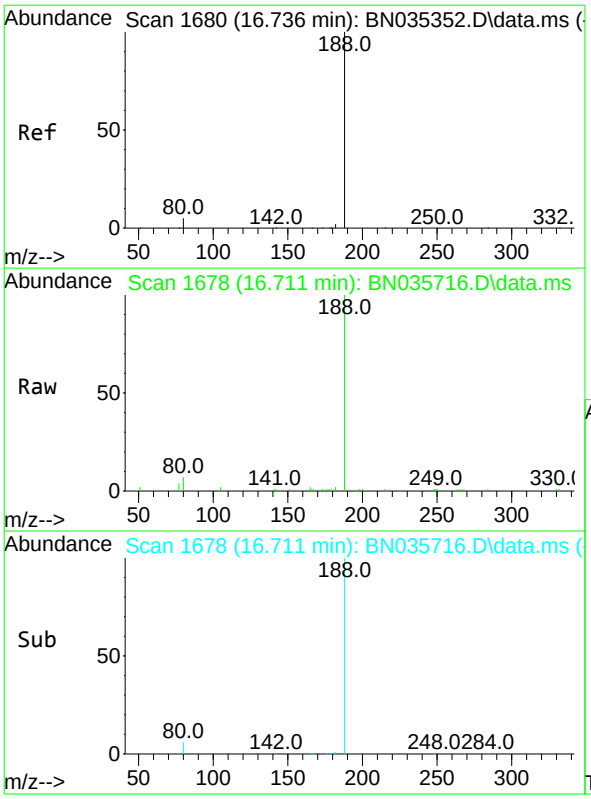


#15
2-Fluorobiphenyl
Concen: 0.289 ng
RT: 12.544 min Scan# 1256
Delta R.T. -0.000 min
Lab File: BN035716.D
Acq: 19 Dec 2024 22:23

Tgt Ion:172 Resp: 6829

Ion	Ratio	Lower	Upper
172	100		
171	37.2	29.0	43.4
170	24.7	19.8	29.8

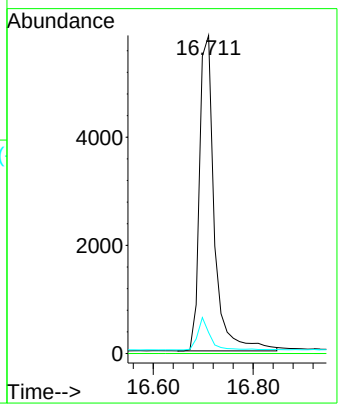




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.711 min Scan# 16
Delta R.T. 0.012 min
Lab File: BN035716.D
Acq: 19 Dec 2024 22:23

Tgt Ion:188 Resp: 12060

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.6	4.6	6.8



Instrument :
BNA_N
ClientSampleId :
RE122D3-20241209

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Reviewed By :Yogesh Patel 12/21/2024
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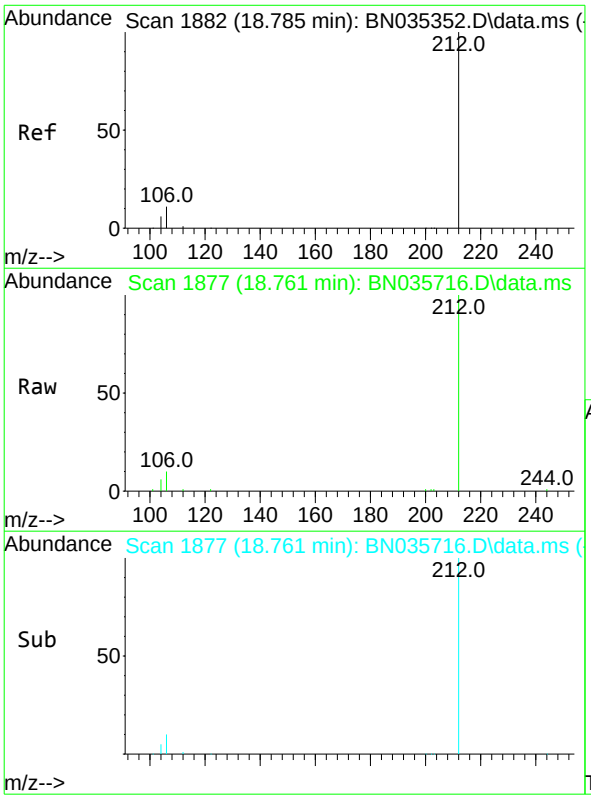
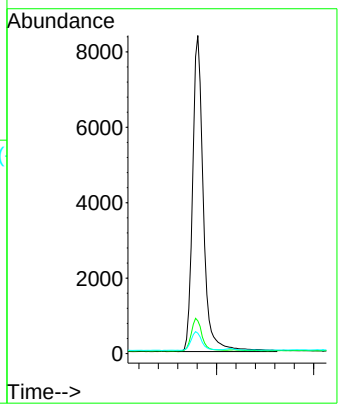
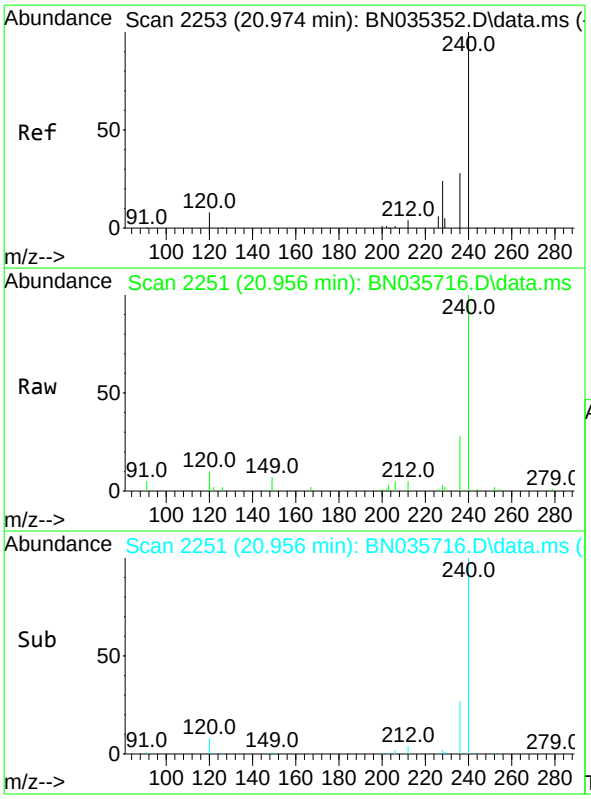


#27
Fluoranthene-d10
Concen: 0.379 ng
RT: 18.761 min Scan# 1877
Delta R.T. -0.000 min
Lab File: BN035716.D
Acq: 19 Dec 2024 22:23

Tgt Ion:212 Resp: 12958

Ion	Ratio	Lower	Upper
212	100		
106	10.3	9.2	13.8
104	5.9	5.3	7.9

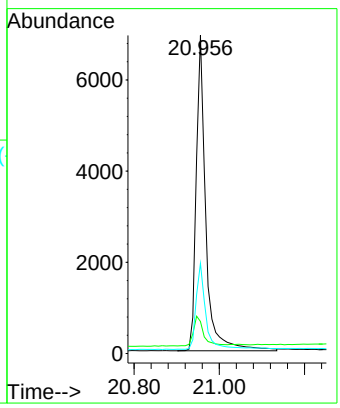




#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.956 min Scan# 22
Delta R.T. -0.000 min
Lab File: BN035716.D
Acq: 19 Dec 2024 22:23

Tgt Ion:240 Resp: 10841

Ion	Ratio	Lower	Upper
240	100		
120	10.1	7.9	11.9
236	28.3	22.9	34.3



Instrument :
BNA_N
ClientSampleId :
RE122D3-20241209

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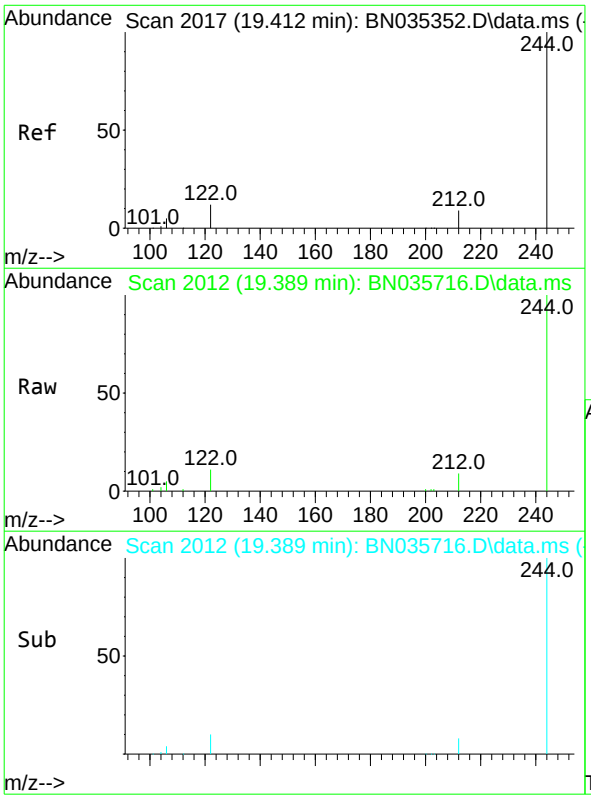
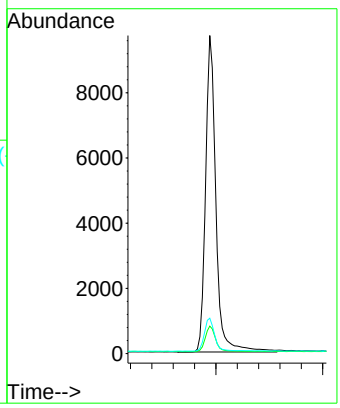
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

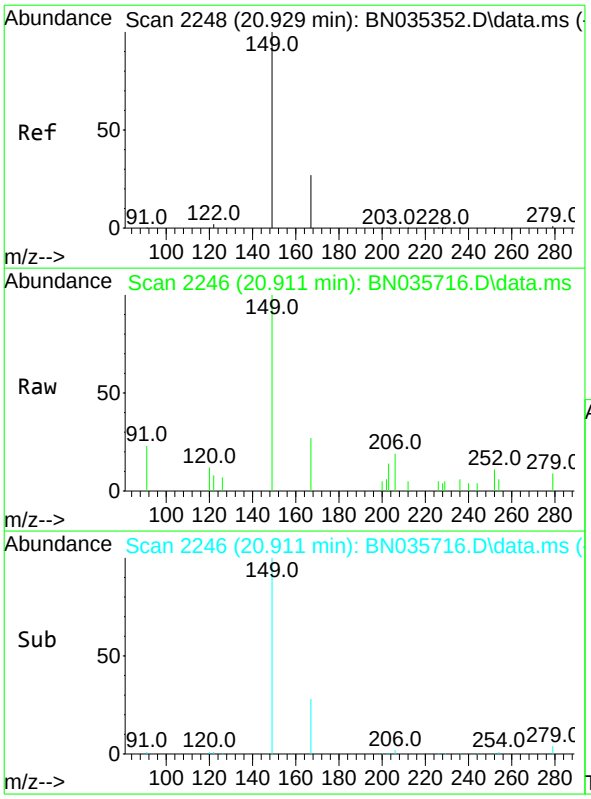


#31
Terphenyl-d14
Concen: 0.609 ng
RT: 19.389 min Scan# 2012
Delta R.T. -0.000 min
Lab File: BN035716.D
Acq: 19 Dec 2024 22:23

Tgt Ion:244 Resp: 13031

Ion	Ratio	Lower	Upper
244	100		
212	8.6	8.1	12.1
122	11.1	10.3	15.5





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.084 ng
RT: 20.911 min Scan# 22
Delta R.T. -0.000 min
Lab File: BN035716.D
Acq: 19 Dec 2024 22:23

Tgt Ion:149 Resp: 1257

Ion	Ratio	Lower	Upper
149	100		
167	26.7	22.2	33.4
279	4.4	2.7	4.1#

Instrument :
BNA_N
ClientSampleId :
RE122D3-20241209

Manual Integrations
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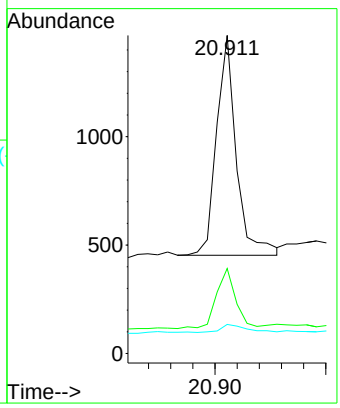
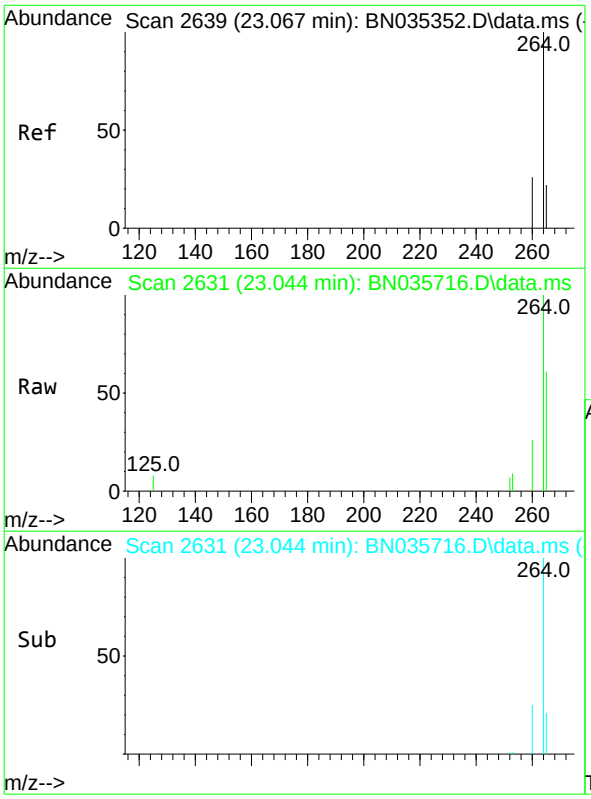
Supervised By :mohammad ahmed 12/24/2024

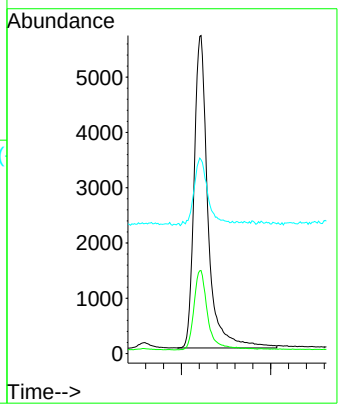


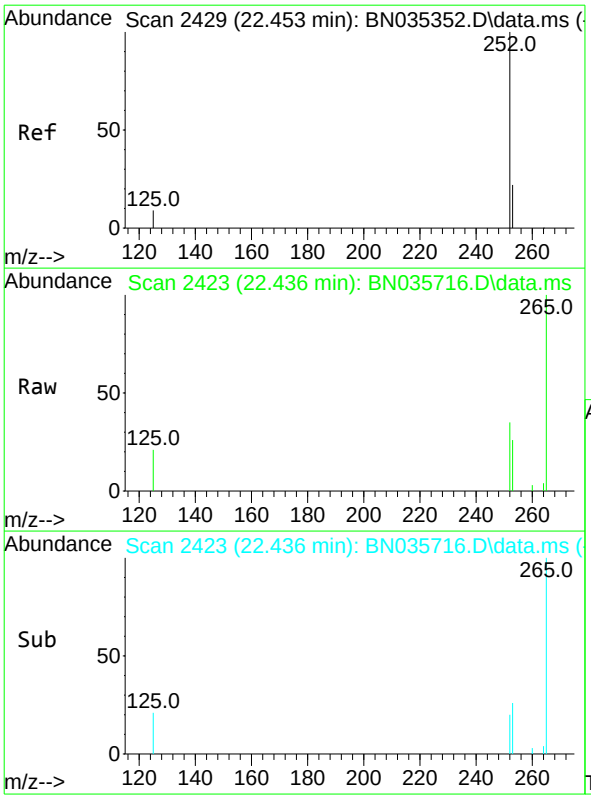


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.044 min Scan# 2631
Delta R.T. 0.003 min
Lab File: BN035716.D
Acq: 19 Dec 2024 22:23

Tgt Ion:264 Resp: 12188

Ion	Ratio	Lower	Upper
264	100		
260	26.1	21.4	32.2
265	60.9	40.2	60.4#

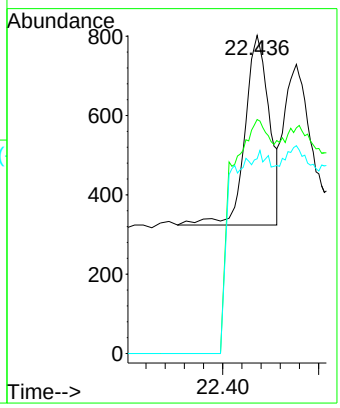




#37
Benzo(b)fluoranthene
Concen: 0.028 ng
RT: 22.436 min Scan# 24
Delta R.T. 0.006 min
Lab File: BN035716.D
Acq: 19 Dec 2024 22:23

Tgt Ion:252 Resp: 1246

Ion	Ratio	Lower	Upper
252	100		
253	73.6	19.6	29.4#
125	61.2	9.6	14.4#



Instrument :
BNA_N
ClientSampleId :
RE122D3-20241209

Manual Integrations
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Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/09/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/11/24
Client Sample ID:	RE103D1-20241209	SDG No.:	P5261
Lab Sample ID:	P5261-04	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035717.D	1	12/12/24 10:30	12/19/24 22:58	PB165596

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	5.30	E	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.37		30 - 150		93%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.39		30 - 150		97%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.41		55 - 111		102%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.33		53 - 106		83%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.58	*	58 - 132		146%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3200	7.271				
1146-65-2	Naphthalene-d8	8680	10.02				
15067-26-2	Acenaphthene-d10	5800	13.935				
1517-22-2	Phenanthrene-d10	11700	16.711				
1719-03-5	Chrysene-d12	9670	20.956				
1520-96-3	Perylene-d12	10700	23.041				

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_N\Data\BN121924\
Data File : BN035717.D
Acq On : 19 Dec 2024 22:58
Operator : RC/JU
Sample : P5261-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 19 23:24:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
RE103D1-20241209

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.271	152	3204	0.400	ng	0.00
7) Naphthalene-d8	10.020	136	8678	0.400	ng	# 0.00
13) Acenaphthene-d10	13.935	164	5798	0.400	ng	0.00
19) Phenanthrene-d10	16.711	188	11698	0.400	ng	# 0.01
29) Chrysene-d12	20.956	240	9672	0.400	ng	0.00
35) Perylene-d12	23.041	264	10672	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.939	112	1012	0.126	ng	0.00
5) Phenol-d6	6.491	99	568	0.059	ng	0.00
8) Nitrobenzene-d5	8.418	82	2163m	0.408	ng	0.01
11) 2-Methylnaphthalene-d10	11.621	152	5070	0.373	ng	0.00
14) 2,4,6-Tribromophenol	15.453	330	803	0.195	ng	0.00
15) 2-Fluorobiphenyl	12.538	172	7328	0.334	ng	0.00
27) Fluoranthene-d10	18.761	212	12807	0.386	ng	0.00
31) Terphenyl-d14	19.388	244	11139	0.584	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.981	88	16192	5.286	ng	99
34) Bis(2-ethylhexyl)phtha...	20.911	149	1174	0.088	ng	# 96

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035717.D
Acq On : 19 Dec 2024 22:58
Operator : RC/JU
Sample : P5261-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 19 23:24:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
RE103D1-20241209

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/21/2024
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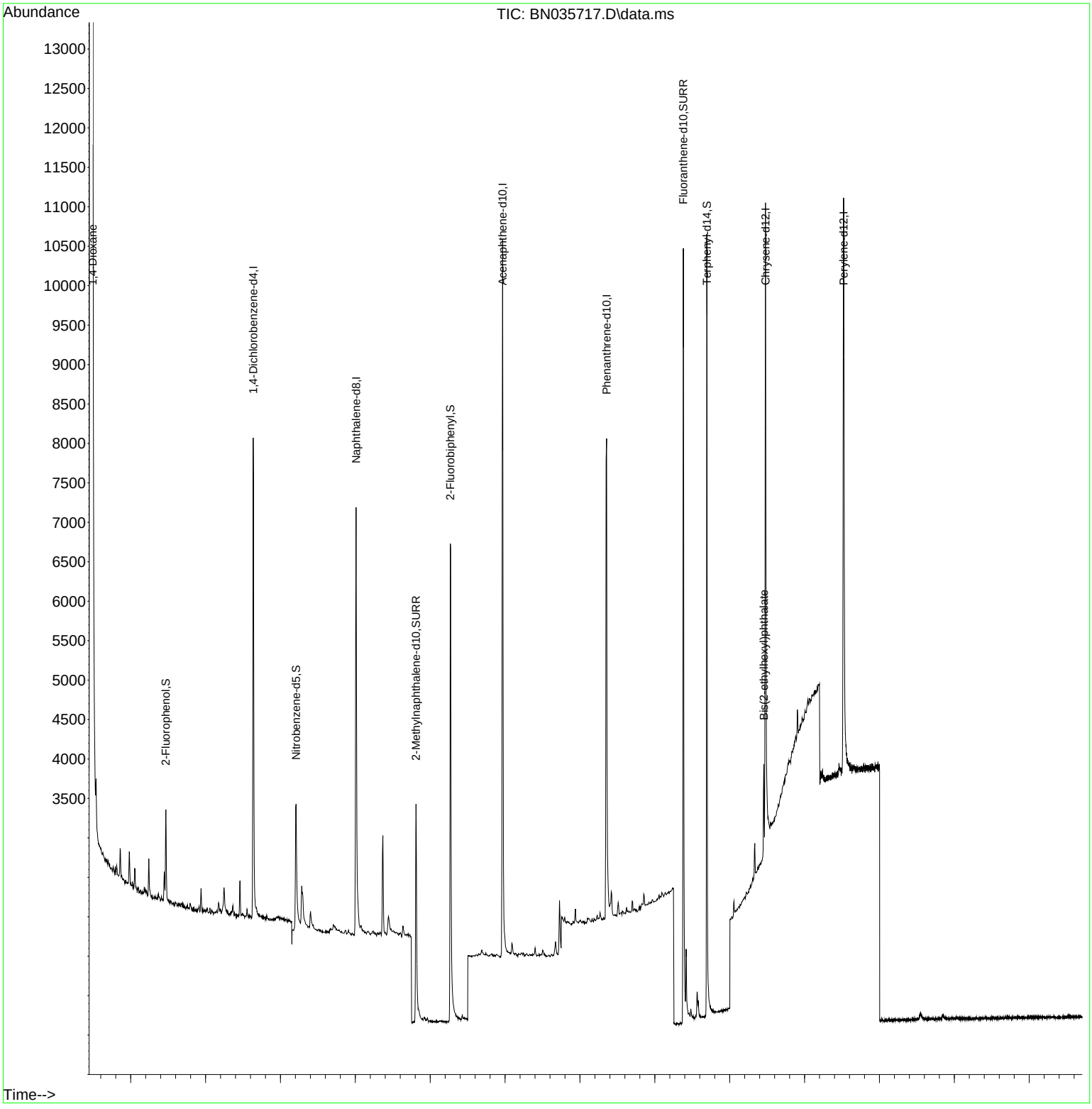
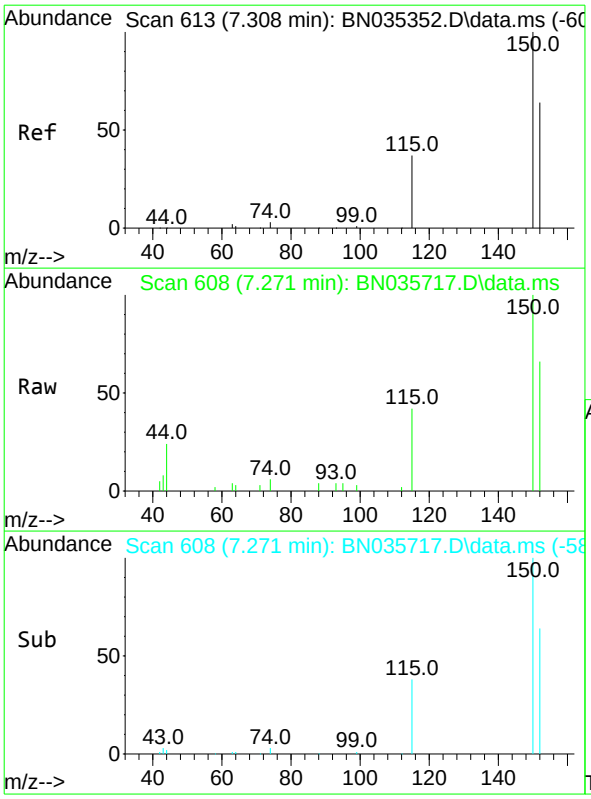
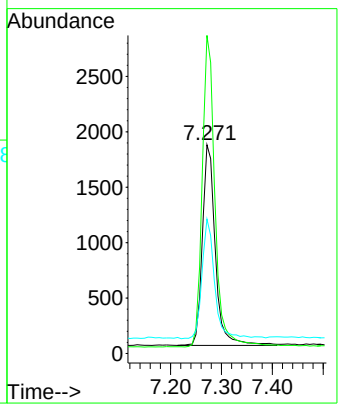




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.271 min Scan# 60
Delta R.T. -0.001 min
Lab File: BN035717.D
Acq: 19 Dec 2024 22:58

Tgt Ion:152 Resp: 3204

Ion	Ratio	Lower	Upper
152	100		
150	152.4	124.0	186.0
115	64.4	49.6	74.4



Instrument :
BNA_N
ClientSampleId :
RE103D1-20241209

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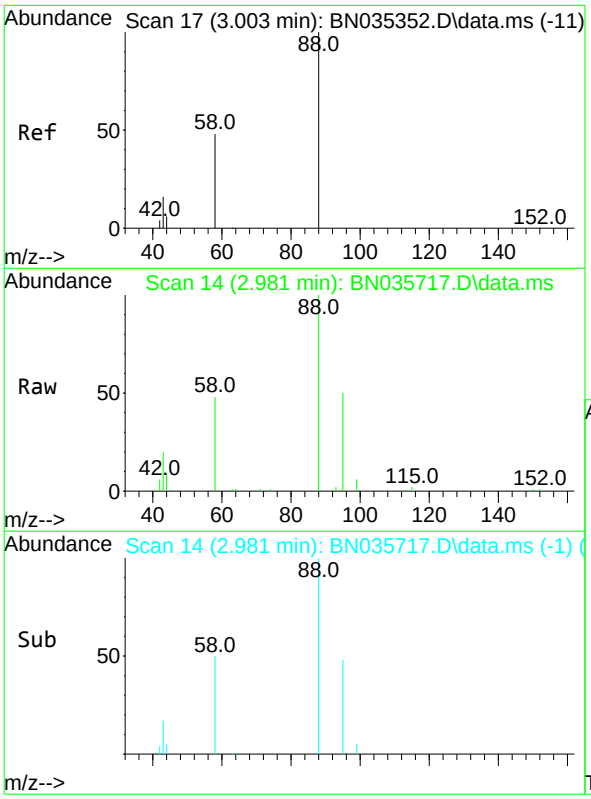
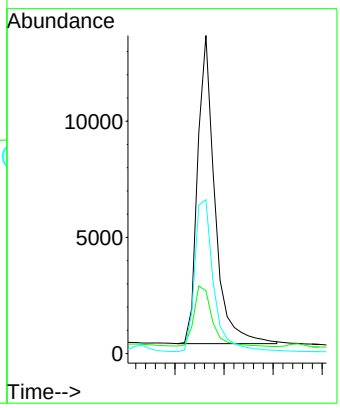
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

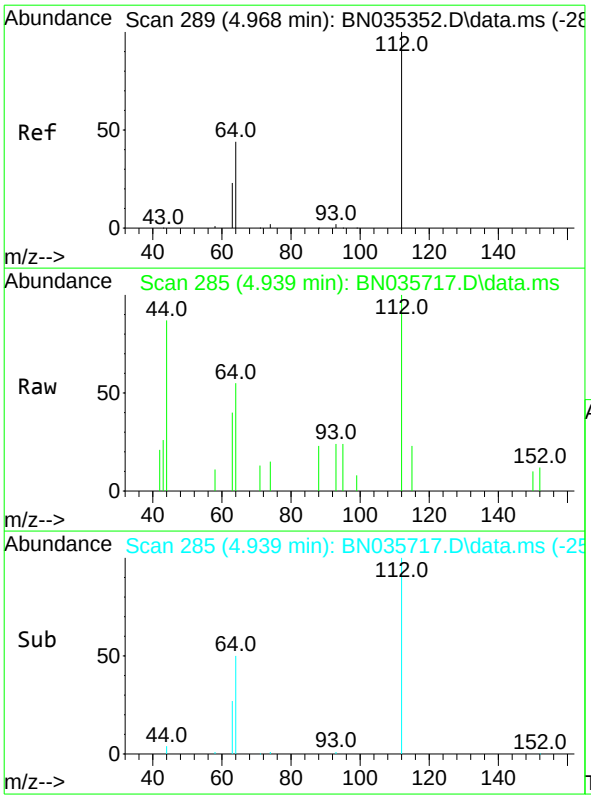


#2
1,4-Dioxane
Concen: 5.286 ng
RT: 2.981 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035717.D
Acq: 19 Dec 2024 22:58

Tgt Ion: 88 Resp: 16192

Ion	Ratio	Lower	Upper
88	100		
43	21.0	17.2	25.8
58	54.5	44.5	66.7





#4
2-Fluorophenol
Concen: 0.126 ng
RT: 4.939 min Scan# 28
Delta R.T. -0.000 min
Lab File: BN035717.D
Acq: 19 Dec 2024 22:58

Tgt Ion:112 Resp: 1012

Ion	Ratio	Lower	Upper
112	100		
64	52.3	39.8	59.8
63	27.8	21.0	31.6

Instrument :
BNA_N
ClientSampleId :
RE103D1-20241209

Manual Integrations
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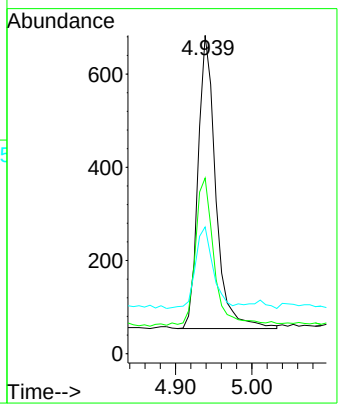
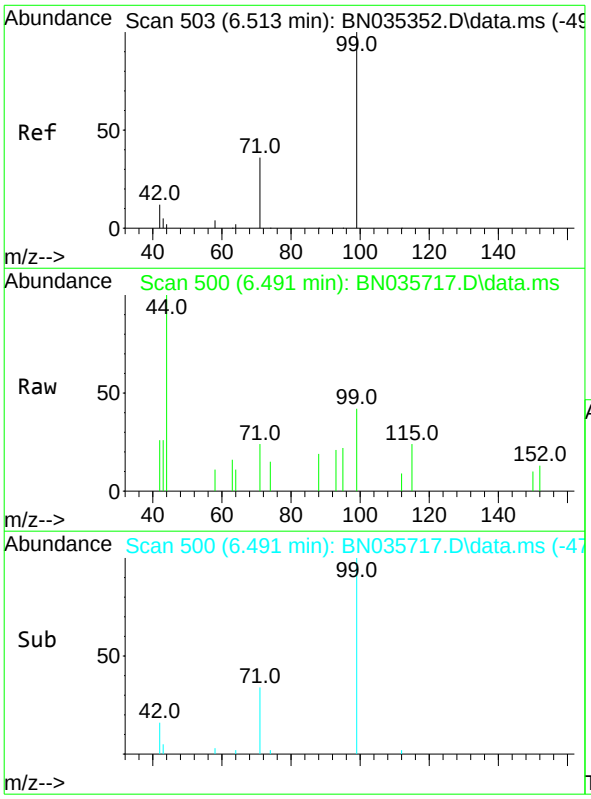
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

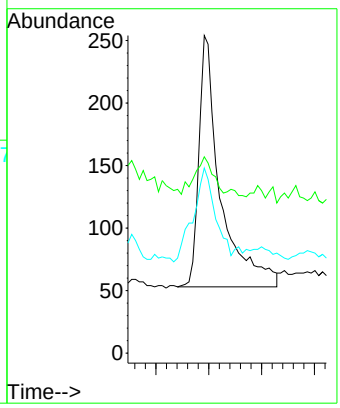


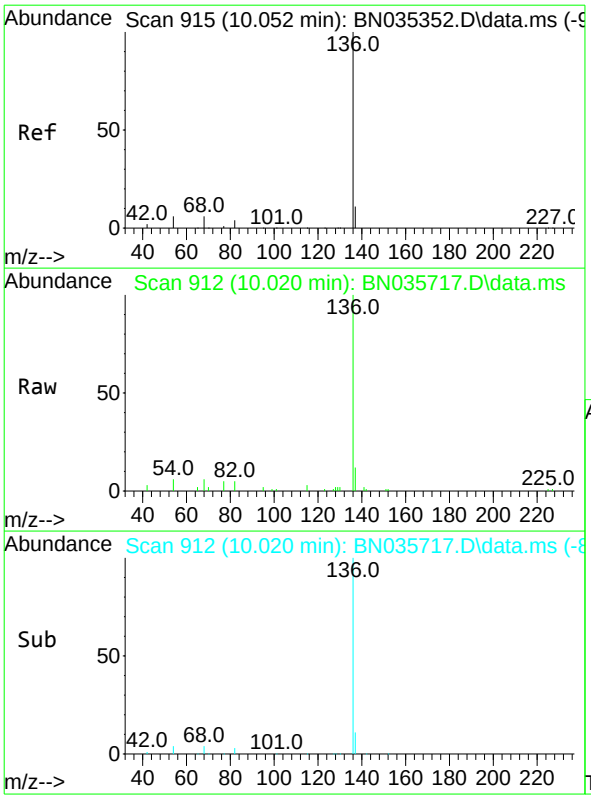


#5
Phenol-d6
Concen: 0.059 ng
RT: 6.491 min Scan# 500
Delta R.T. -0.000 min
Lab File: BN035717.D
Acq: 19 Dec 2024 22:58

Tgt Ion: 99 Resp: 568

Ion	Ratio	Lower	Upper
99	100		
42	12.3	11.4	17.2
71	39.3	29.3	43.9

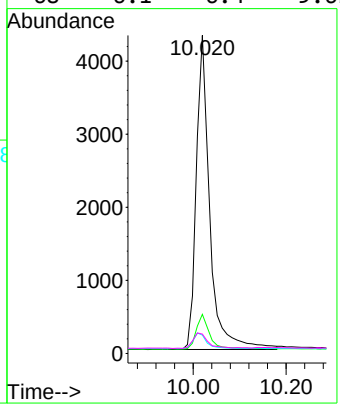




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.020 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN035717.D
Acq: 19 Dec 2024 22:58

Tgt Ion:136 Resp: 8678

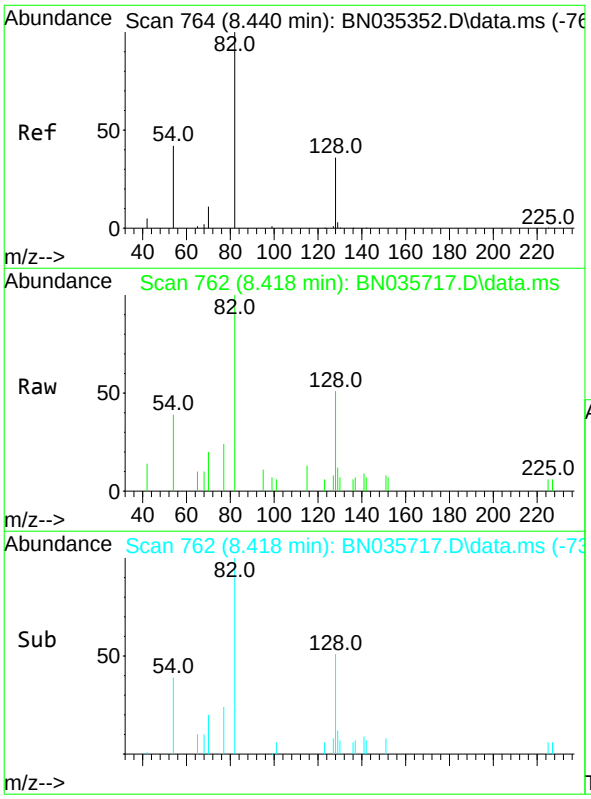
Ion	Ratio	Lower	Upper
136	100		
137	12.3	10.2	15.2
54	5.8	6.1	9.1#
68	6.1	6.4	9.6#



Instrument :
BNA_N
ClientSampleId :
RE103D1-20241209

Manual Integrations APPROVED

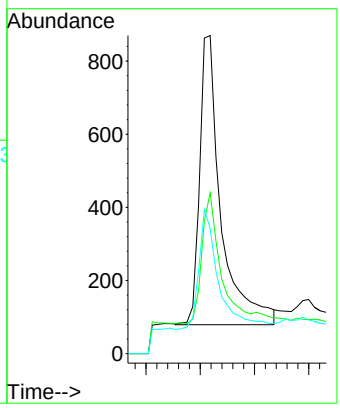
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

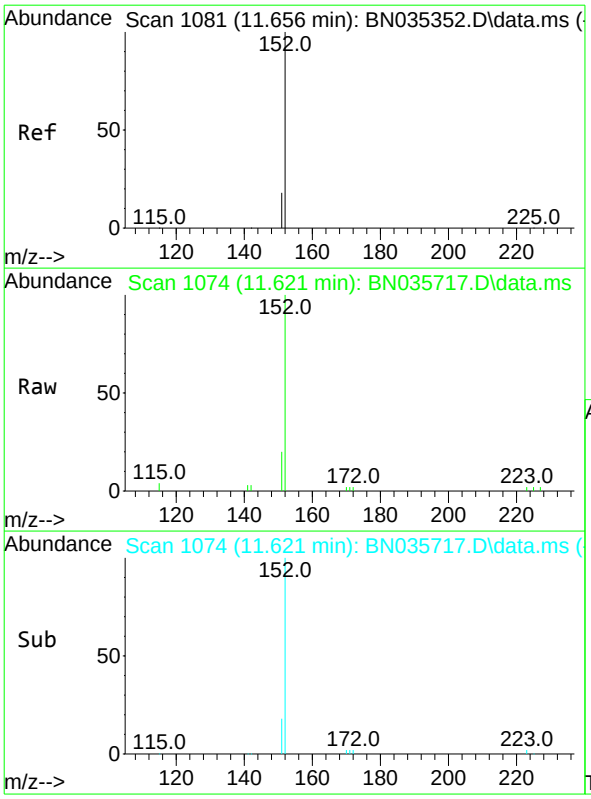


#8
Nitrobenzene-d5
Concen: 0.408 ng m
RT: 8.418 min Scan# 762
Delta R.T. 0.010 min
Lab File: BN035717.D
Acq: 19 Dec 2024 22:58

Tgt Ion: 82 Resp: 2163

Ion	Ratio	Lower	Upper
82	100		
128	50.6	33.4	50.0#
54	39.3	36.7	55.1

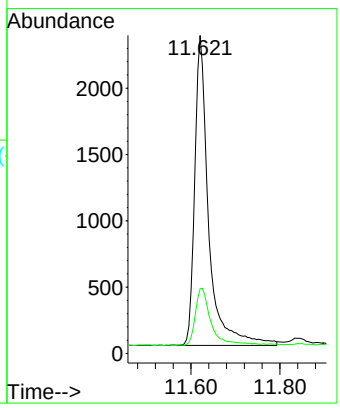




#11
2-Methylnaphthalene-d10
Concen: 0.373 ng
RT: 11.621 min Scan# 10
Delta R.T. -0.000 min
Lab File: BN035717.D
Acq: 19 Dec 2024 22:58

Tgt Ion:152 Resp: 5070

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.6	25.0



Instrument :
BNA_N
ClientSampleId :
RE103D1-20241209

Manual Integrations
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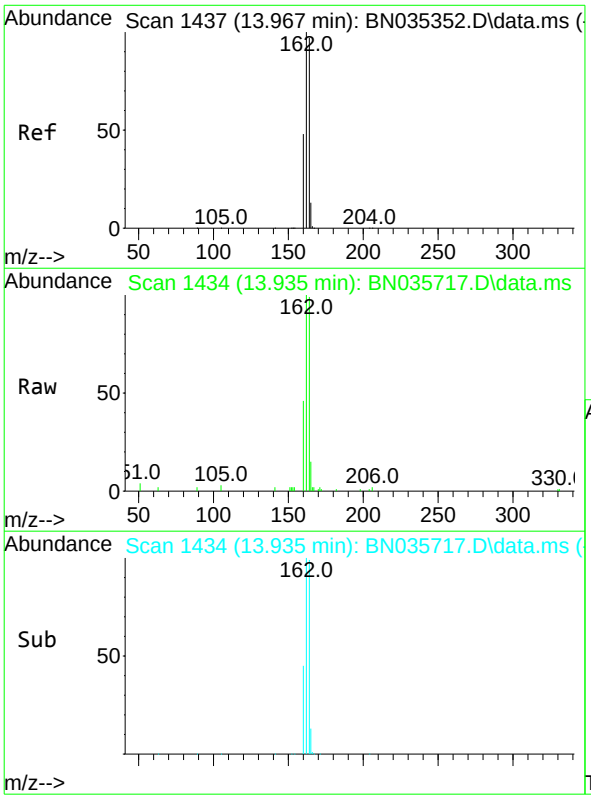
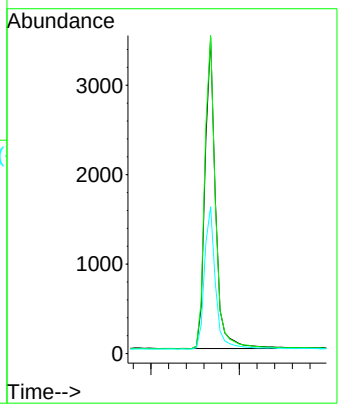
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

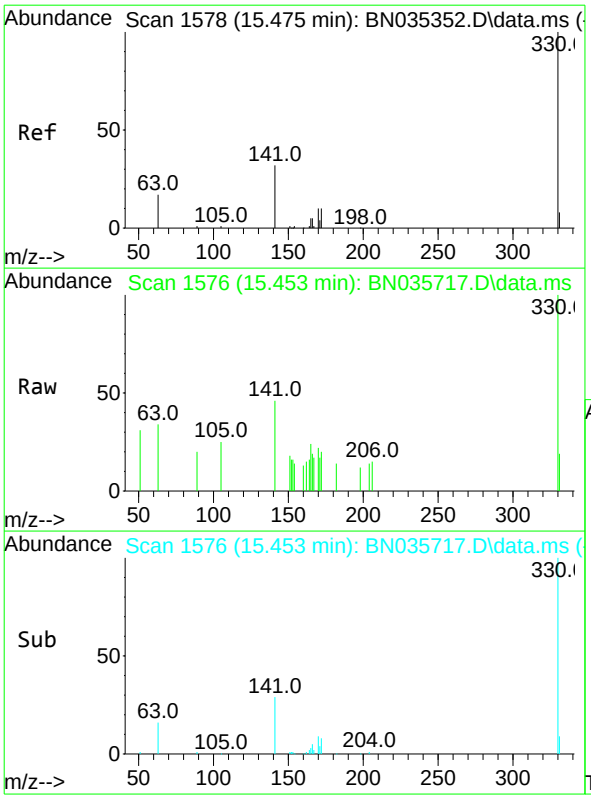


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.935 min Scan# 1434
Delta R.T. -0.000 min
Lab File: BN035717.D
Acq: 19 Dec 2024 22:58

Tgt Ion:164 Resp: 5798

Ion	Ratio	Lower	Upper
164	100		
162	100.7	82.2	123.2
160	46.5	40.1	60.1

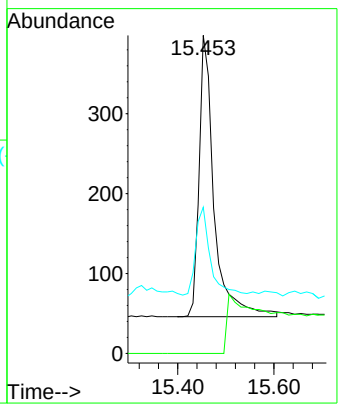




#14
2,4,6-Tribromophenol
Concen: 0.195 ng
RT: 15.453 min Scan# 15
Delta R.T. -0.000 min
Lab File: BN035717.D
Acq: 19 Dec 2024 22:58

Tgt Ion:330 Resp: 803

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	29.6	26.6	40.0



Instrument :
BNA_N
ClientSampleId :
RE103D1-20241209

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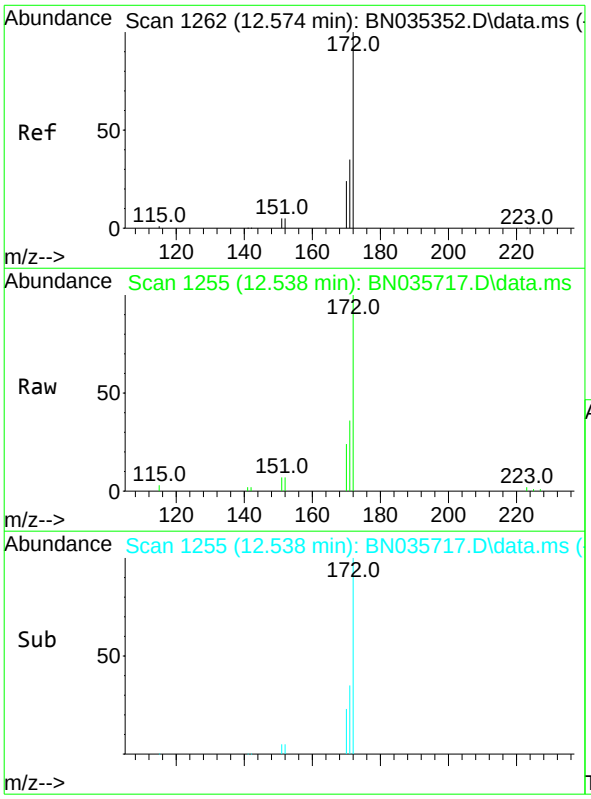
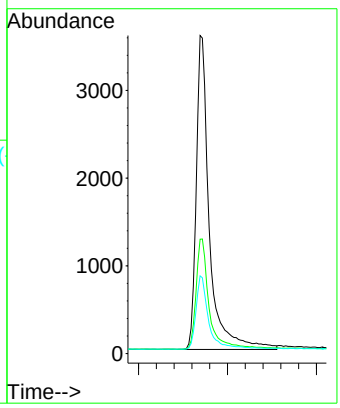
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

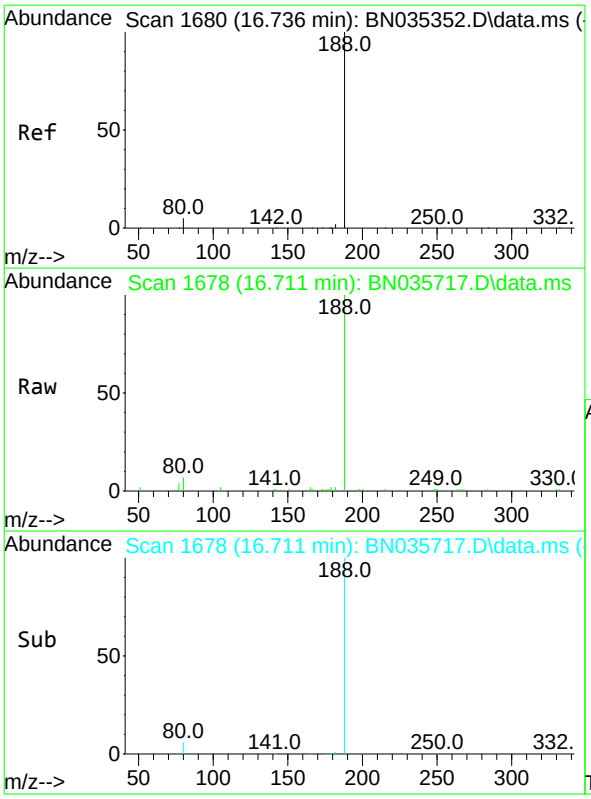


#15
2-Fluorobiphenyl
Concen: 0.334 ng
RT: 12.538 min Scan# 1255
Delta R.T. -0.005 min
Lab File: BN035717.D
Acq: 19 Dec 2024 22:58

Tgt Ion:172 Resp: 7328

Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.0	43.4
170	24.4	19.8	29.8

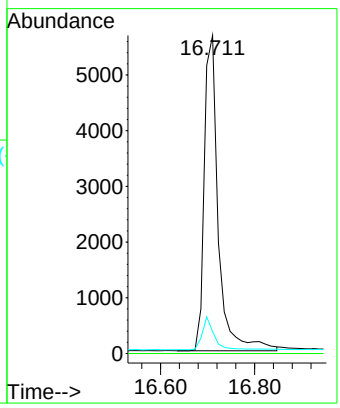




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.711 min Scan# 16
Delta R.T. 0.012 min
Lab File: BN035717.D
Acq: 19 Dec 2024 22:58

Tgt Ion:188 Resp: 11698

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.9	4.6	6.8#



Instrument :
BNA_N
ClientSampleId :
RE103D1-20241209

Manual Integrations
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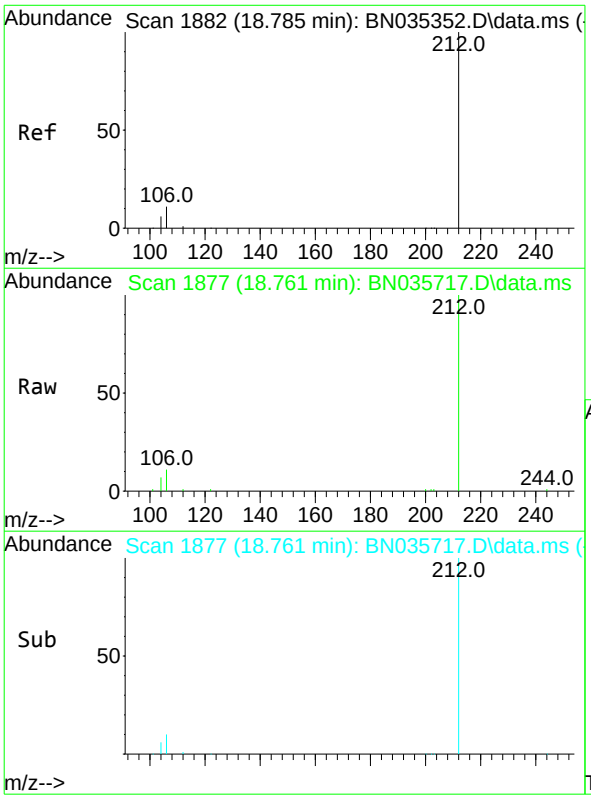
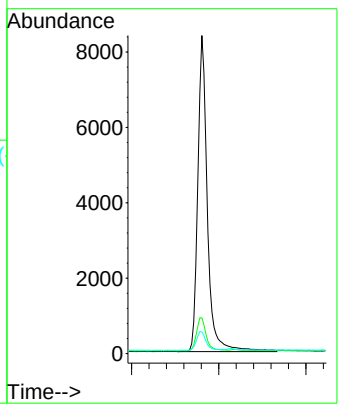
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

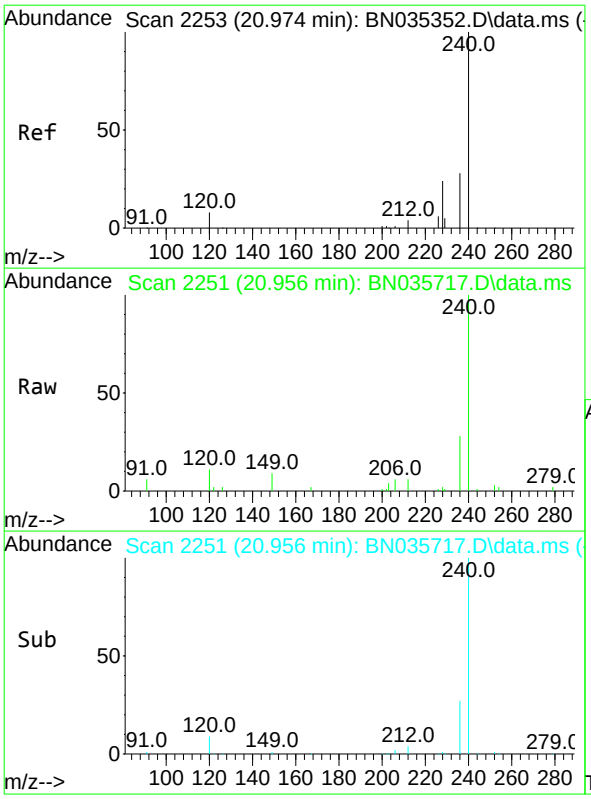


#27
Fluoranthene-d10
Concen: 0.386 ng
RT: 18.761 min Scan# 1877
Delta R.T. -0.000 min
Lab File: BN035717.D
Acq: 19 Dec 2024 22:58

Tgt Ion:212 Resp: 12807

Ion	Ratio	Lower	Upper
212	100		
106	10.7	9.2	13.8
104	5.9	5.3	7.9

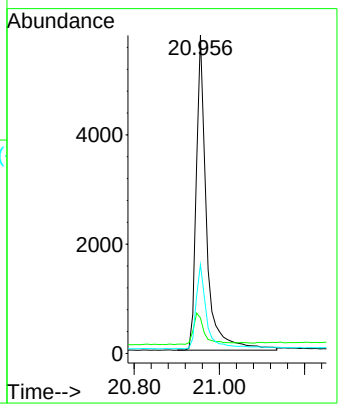




#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.956 min Scan# 22
Delta R.T. -0.000 min
Lab File: BN035717.D
Acq: 19 Dec 2024 22:58

Tgt Ion:240 Resp: 9672

Ion	Ratio	Lower	Upper
240	100		
120	11.2	7.9	11.9
236	27.9	22.9	34.3



Instrument :
BNA_N
ClientSampleId :
RE103D1-20241209

Manual Integrations
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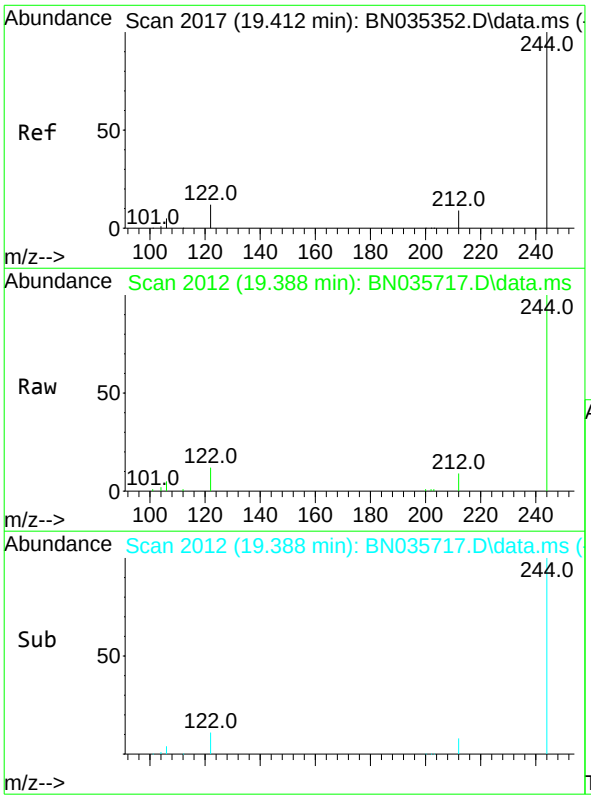
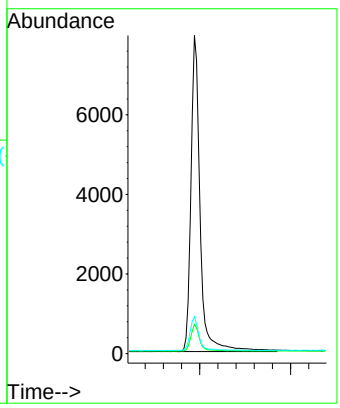
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

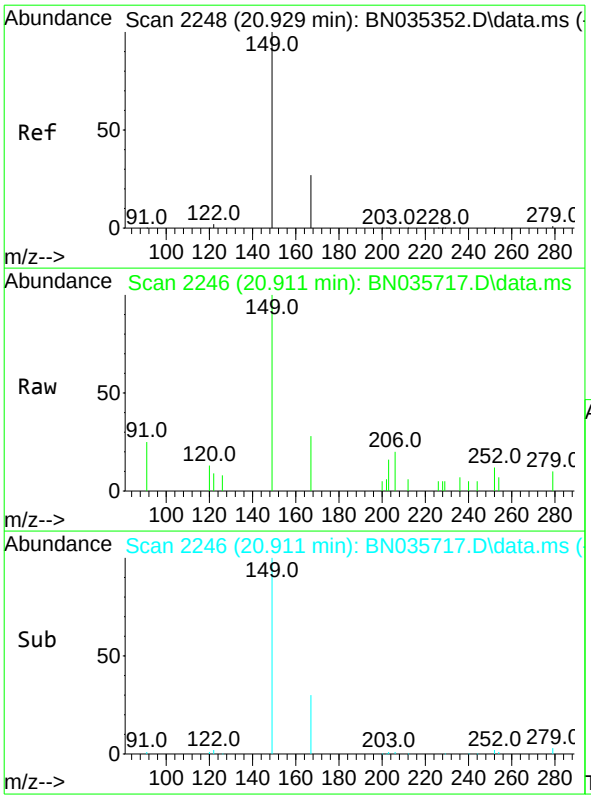


#31
Terphenyl-d14
Concen: 0.584 ng
RT: 19.388 min Scan# 2012
Delta R.T. -0.000 min
Lab File: BN035717.D
Acq: 19 Dec 2024 22:58

Tgt Ion:244 Resp: 11139

Ion	Ratio	Lower	Upper
244	100		
212	9.2	8.1	12.1
122	11.6	10.3	15.5





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.088 ng
RT: 20.911 min Scan# 22
Delta R.T. -0.000 min
Lab File: BN035717.D
Acq: 19 Dec 2024 22:58

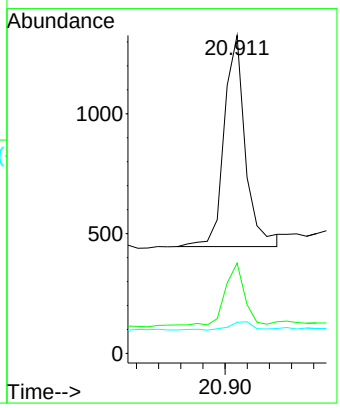
Tgt Ion:149 Resp: 1174

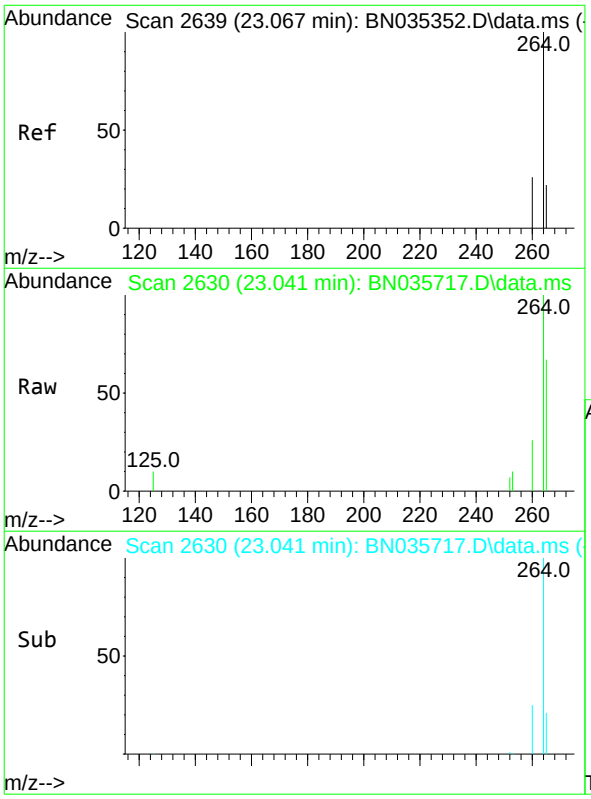
Ion	Ratio	Lower	Upper
149	100		
167	25.8	22.2	33.4
279	4.3	2.7	4.1#

Instrument :
BNA_N
ClientSampleId :
RE103D1-20241209

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

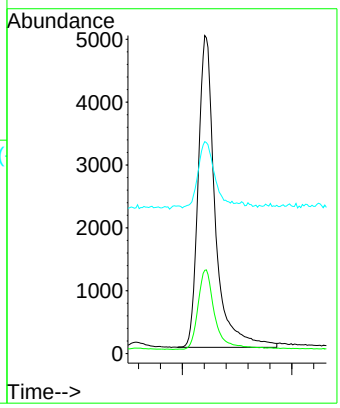




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.041 min Scan# 2630
Delta R.T. -0.000 min
Lab File: BN035717.D
Acq: 19 Dec 2024 22:58

Tgt Ion:264 Resp: 10672

Ion	Ratio	Lower	Upper
264	100		
260	26.2	21.4	32.2
265	66.6	40.2	60.4#



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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/09/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/11/24
Client Sample ID:	RE103D1-20241209DL	SDG No.:	P5261
Lab Sample ID:	P5261-04DL	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035754.D	2	12/12/24 10:30	12/20/24 22:33	PB165596

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	6.90	D	0.14	0.40	0.40	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.39		30 - 150		98%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.44		30 - 150		111%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.42		55 - 111		106%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.37		53 - 106		94%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.65	*	58 - 132		163%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2880	7.272				
1146-65-2	Naphthalene-d8	7120	10.02				
15067-26-2	Acenaphthene-d10	4700	13.935				
1517-22-2	Phenanthrene-d10	9310	16.711				
1719-03-5	Chrysene-d12	7920	20.956				
1520-96-3	Perylene-d12	7850	23.044				

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_N\Data\BN121924\
Data File : BN035754.D
Acq On : 20 Dec 2024 22:33
Operator : RC/JU
Sample : P5261-04DL 2X
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE103D1-20241209DL

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

Quant Time: Dec 21 01:44:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.272	152	2884	0.400	ng	0.00
7) Naphthalene-d8	10.020	136	7124	0.400	ng	0.00
13) Acenaphthene-d10	13.935	164	4697	0.400	ng	0.00
19) Phenanthrene-d10	16.711	188	9314	0.400	ng	# 0.01
29) Chrysene-d12	20.956	240	7920	0.400	ng	# 0.00
35) Perylene-d12	23.044	264	7852	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.932	112	469	0.065	ng	0.00
5) Phenol-d6	6.492	99	208	0.024	ng	0.00
8) Nitrobenzene-d5	8.418	82	923m	0.212	ng	0.01
11) 2-Methylnaphthalene-d10	11.626	152	2194	0.197	ng	0.00
14) 2,4,6-Tribromophenol	15.464	330	339	0.102	ng	0.01
15) 2-Fluorobiphenyl	12.544	172	3315	0.187	ng	0.00
27) Fluoranthene-d10	18.761	212	5835	0.221	ng	0.00
31) Terphenyl-d14	19.389	244	5098	0.326	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.974	88	9475	3.437	ng	98
34) Bis(2-ethylhexyl)phtha...	20.902	149	557	0.051	ng	# 90

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

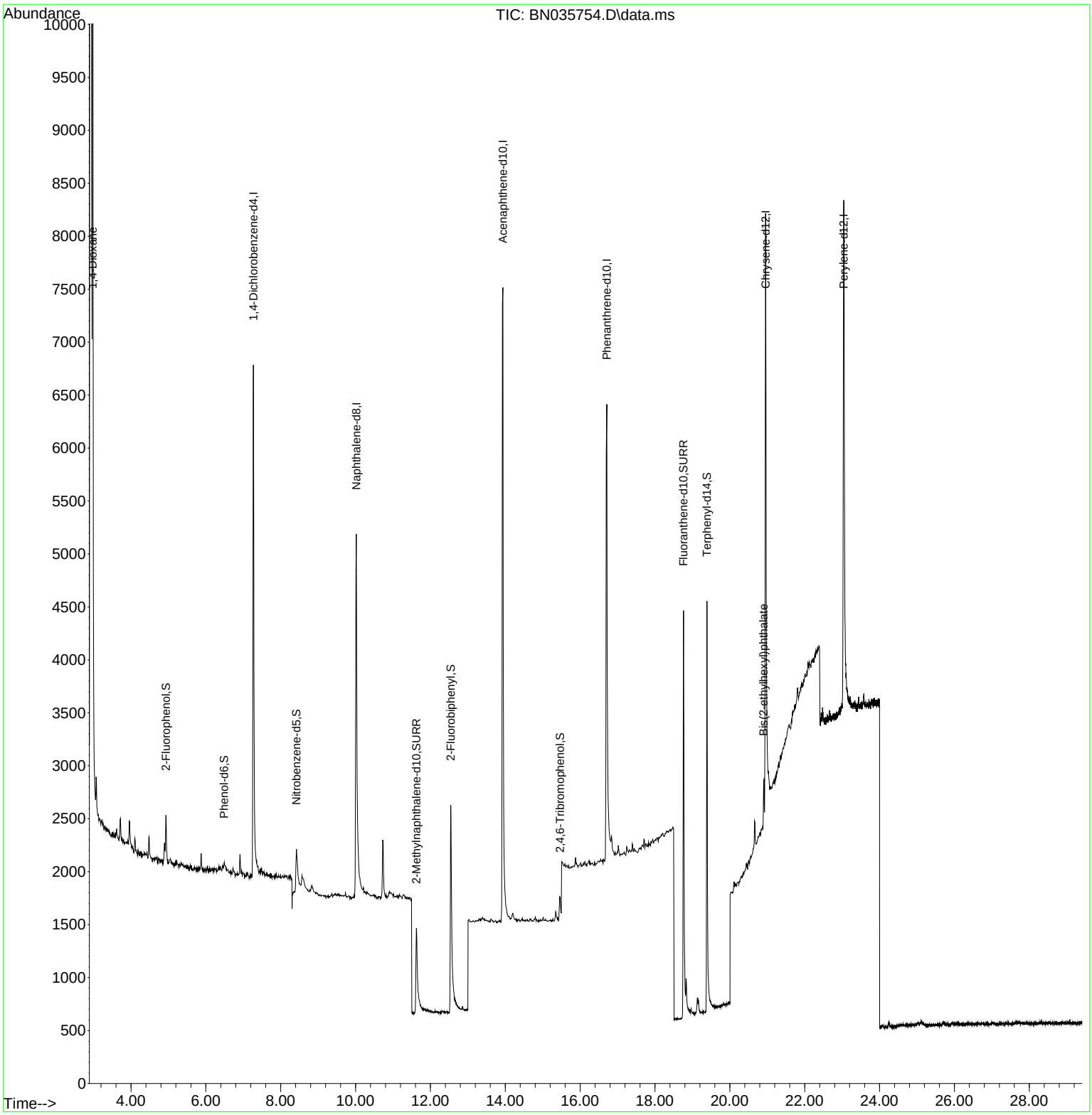
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035754.D
Acq On : 20 Dec 2024 22:33
Operator : RC/JU
Sample : P5261-04DL 2X
Misc :
ALS Vial : 45 Sample Multiplier: 1

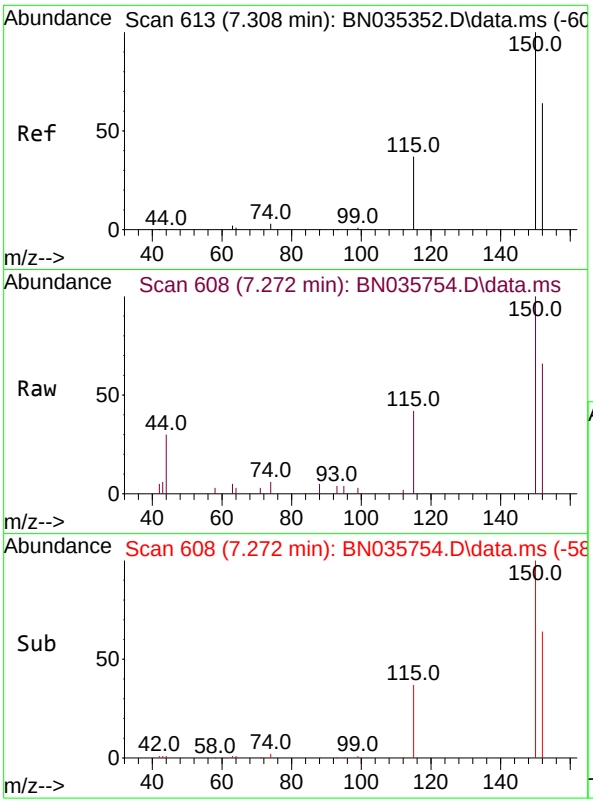
Quant Time: Dec 21 01:44:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
RE103D1-20241209DL

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

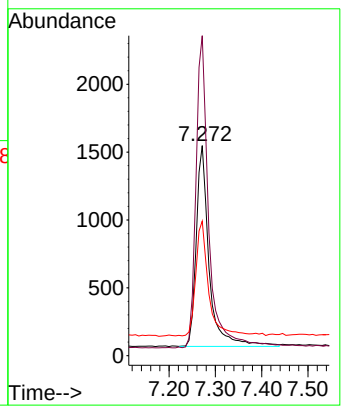




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.272 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN035754.D
Acq: 20 Dec 2024 22:33

Tgt Ion:152 Resp: 288

Ion	Ratio	Lower	Upper
152	100		
150	152.3	124.0	186.0
115	64.0	49.6	74.4



Instrument :
BNA_N
ClientSampleId :
RE103D1-20241209DL

Manual Integrations
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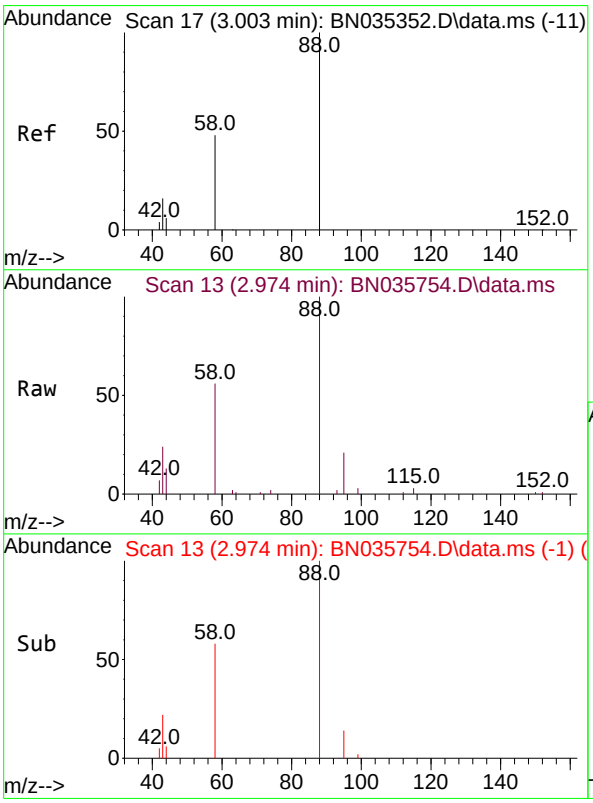
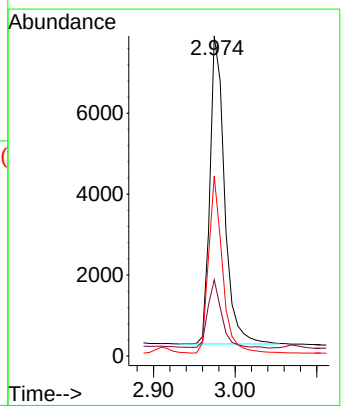
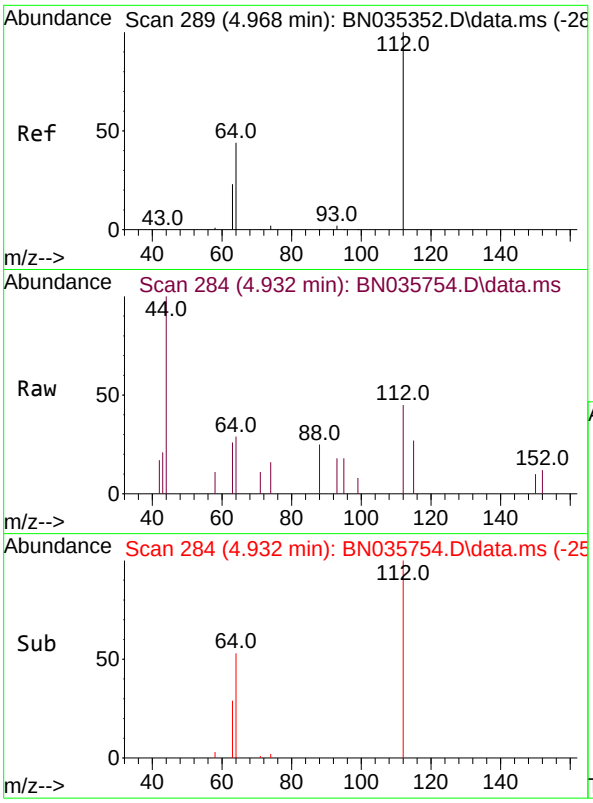


#2
1,4-Dioxane
Concen: 3.437 ng
RT: 2.974 min Scan# 13
Delta R.T. -0.007 min
Lab File: BN035754.D
Acq: 20 Dec 2024 22:33

Tgt Ion: 88 Resp: 9475

Ion	Ratio	Lower	Upper
88	100		
43	21.0	17.2	25.8
58	54.3	44.5	66.7

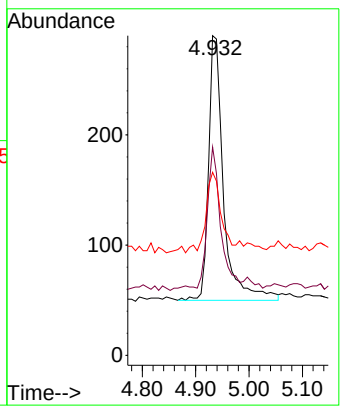




#4
2-Fluorophenol
Concen: 0.065 ng
RT: 4.932 min Scan# 2
Delta R.T. -0.007 min
Lab File: BN035754.D
Acq: 20 Dec 2024 22:33

Tgt Ion:112 Resp: 46

Ion	Ratio	Lower	Upper
112	100		
64	45.6	39.8	59.8
63	31.1	21.0	31.6



Instrument :
BNA_N
ClientSampleId :
RE103D1-20241209DL

Manual Integrations
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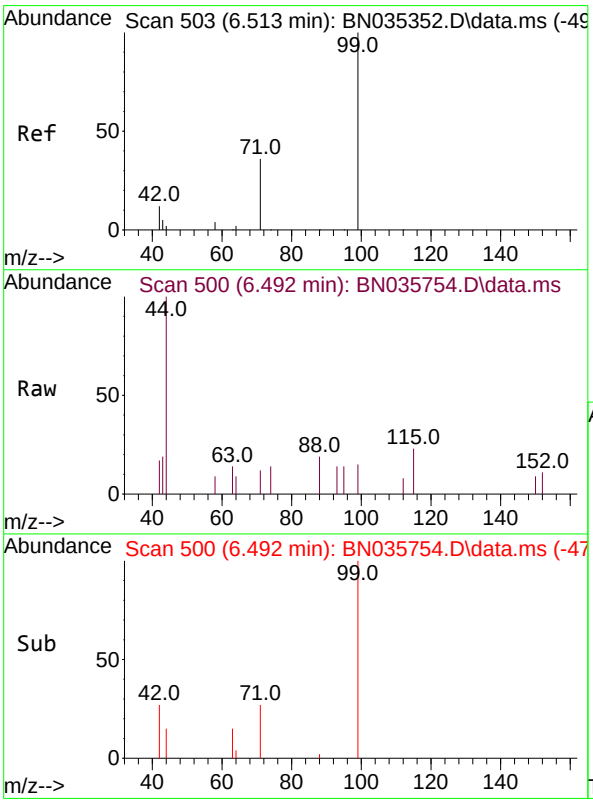
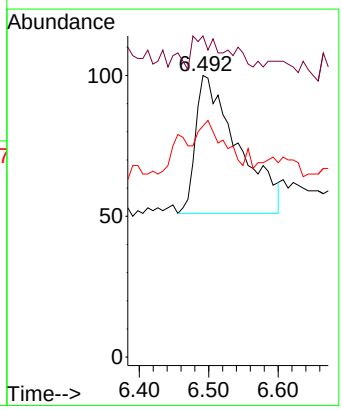
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

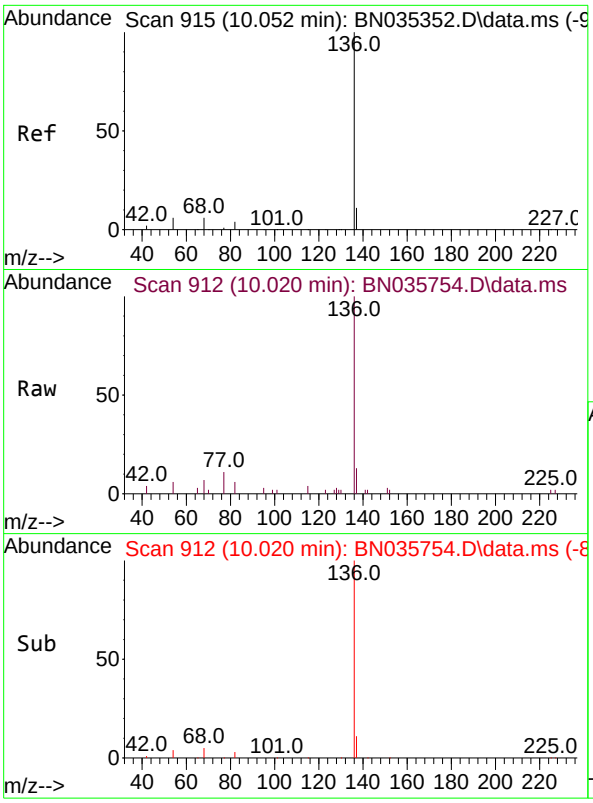


#5
Phenol-d6
Concen: 0.024 ng
RT: 6.492 min Scan# 500
Delta R.T. -0.000 min
Lab File: BN035754.D
Acq: 20 Dec 2024 22:33

Tgt Ion: 99 Resp: 208

Ion	Ratio	Lower	Upper
99	100		
42	0.0	11.4	17.2#
71	20.2	29.3	43.9#

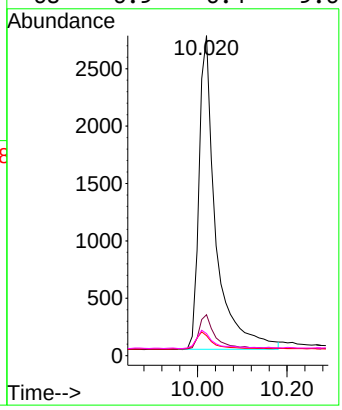




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.020 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN035754.D
Acq: 20 Dec 2024 22:33

Tgt Ion:136 Resp: 712

Ion	Ratio	Lower	Upper
136	100		
137	12.8	10.2	15.2
54	6.2	6.1	9.1
68	6.9	6.4	9.6



Instrument :
BNA_N
ClientSampleId :
RE103D1-20241209DL

Manual Integrations
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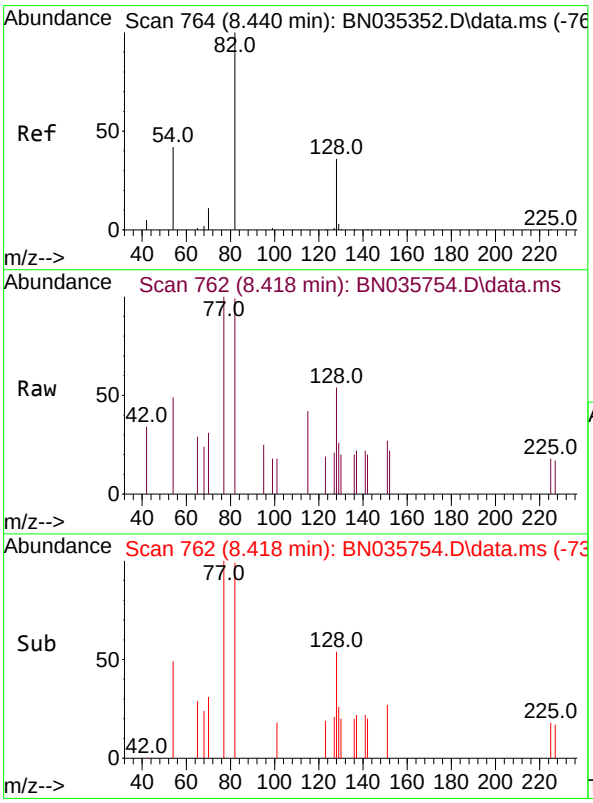
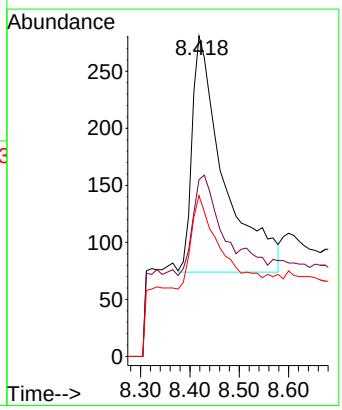
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

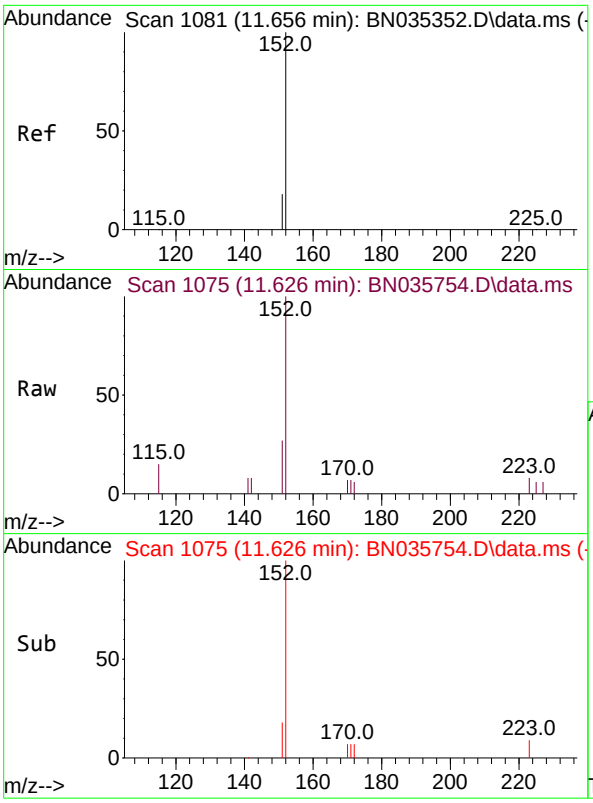


#8
Nitrobenzene-d5
Concen: 0.212 ng m
RT: 8.418 min Scan# 762
Delta R.T. 0.011 min
Lab File: BN035754.D
Acq: 20 Dec 2024 22:33

Tgt Ion: 82 Resp: 923

Ion	Ratio	Lower	Upper
82	100		
128	55.2	33.4	50.0#
54	50.2	36.7	55.1

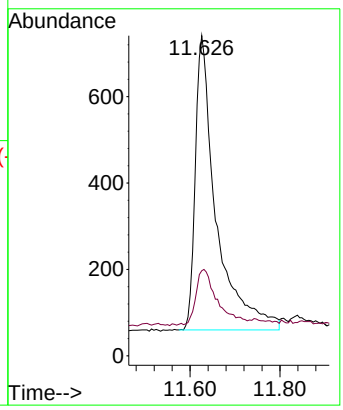




#11
2-Methylnaphthalene-d10
Concen: 0.197 ng
RT: 11.626 min Scan# 1
Delta R.T. 0.005 min
Lab File: BN035754.D
Acq: 20 Dec 2024 22:33

Tgt Ion:152 Resp: 219

Ion	Ratio	Lower	Upper
152	100		
151	19.0	16.6	25.0



Instrument :
BNA_N
ClientSampleId :
RE103D1-20241209DL

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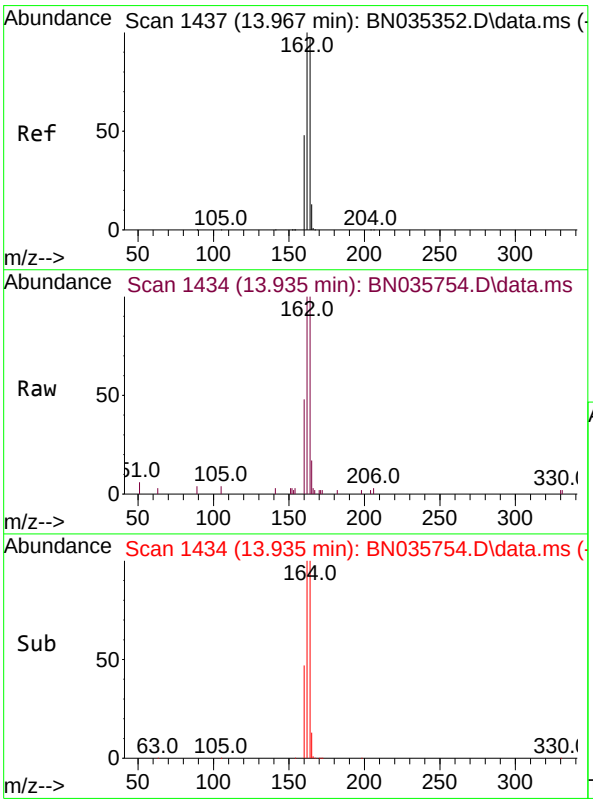
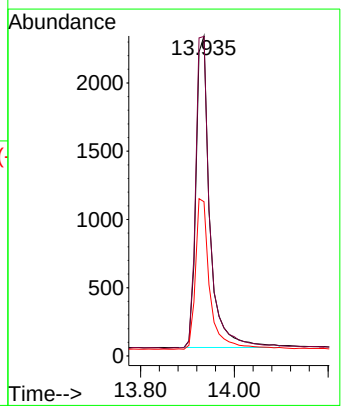
Supervised By :mohammad ahmed 12/24/2024

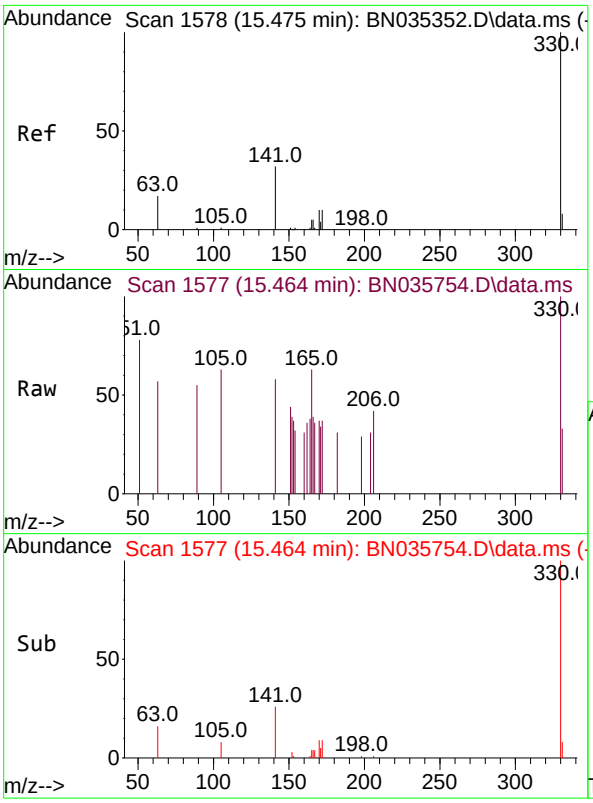


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.935 min Scan# 1434
Delta R.T. -0.000 min
Lab File: BN035754.D
Acq: 20 Dec 2024 22:33

Tgt Ion:164 Resp: 4697

Ion	Ratio	Lower	Upper
164	100		
162	99.8	82.2	123.2
160	48.2	40.1	60.1

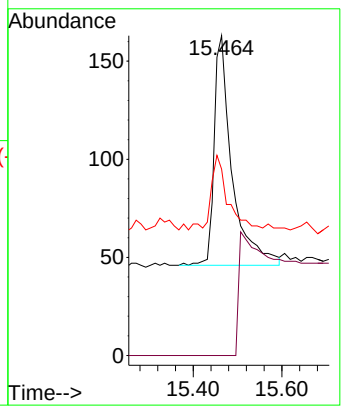




#14
2,4,6-Tribromophenol
Concen: 0.102 ng
RT: 15.464 min Scan# 1
Delta R.T. 0.011 min
Lab File: BN035754.D
Acq: 20 Dec 2024 22:33

Tgt Ion:330 Resp: 33

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	31.0	26.6	40.0



Instrument :
BNA_N
ClientSampleId :
RE103D1-20241209DL

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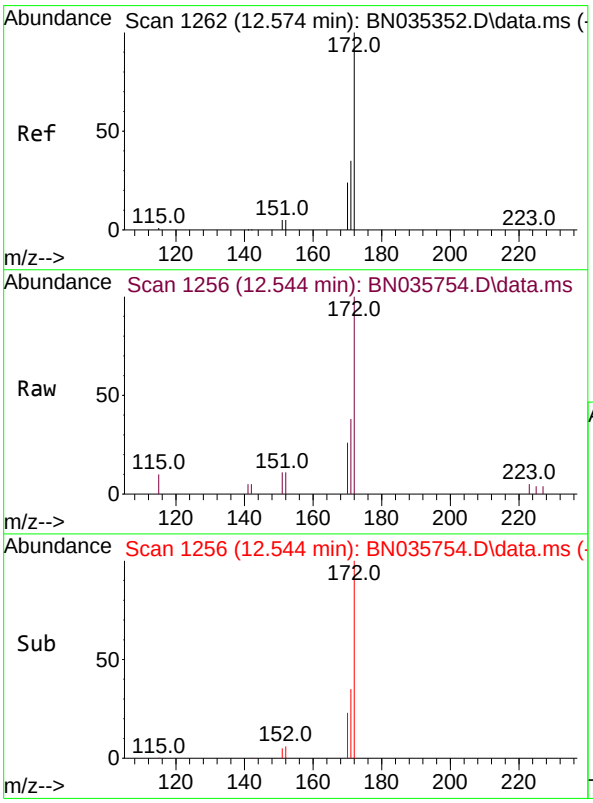
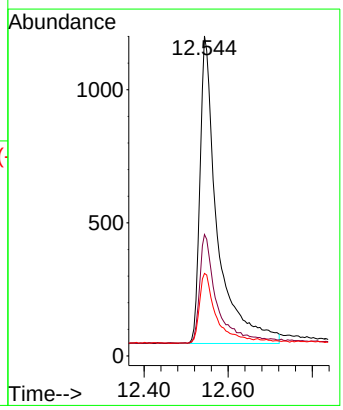
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

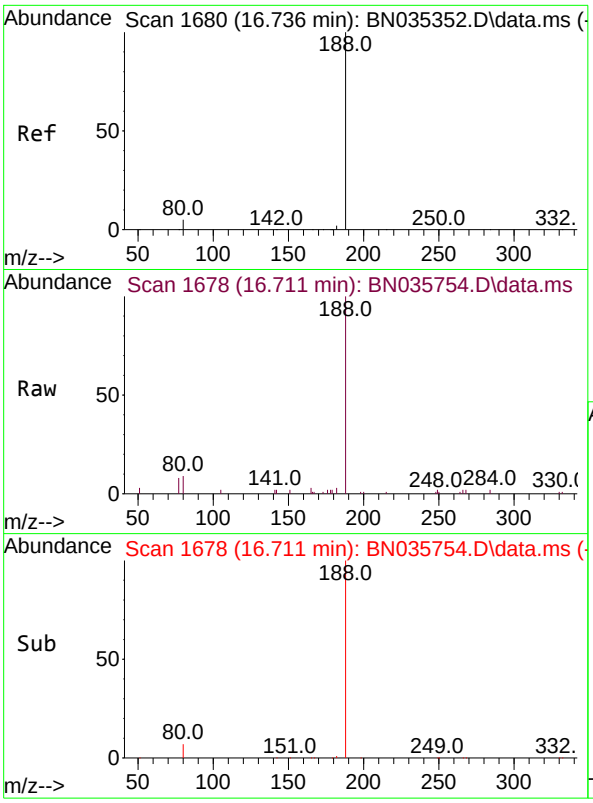


#15
2-Fluorobiphenyl
Concen: 0.187 ng
RT: 12.544 min Scan# 1256
Delta R.T. -0.000 min
Lab File: BN035754.D
Acq: 20 Dec 2024 22:33

Tgt Ion:172 Resp: 3315

Ion	Ratio	Lower	Upper
172	100		
171	37.9	29.0	43.4
170	25.8	19.8	29.8

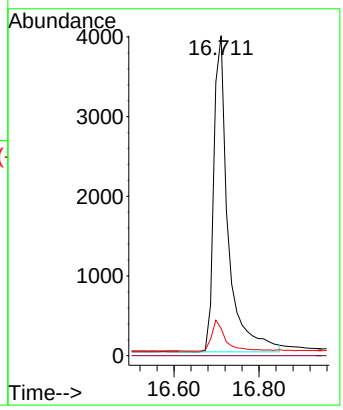




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.711 min Scan# 1(
Delta R.T. 0.012 min
Lab File: BN035754.D
Acq: 20 Dec 2024 22:33

Tgt Ion:188 Resp: 931

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.5	4.6	6.8#



Instrument :
BNA_N
ClientSampleId :
RE103D1-20241209DL

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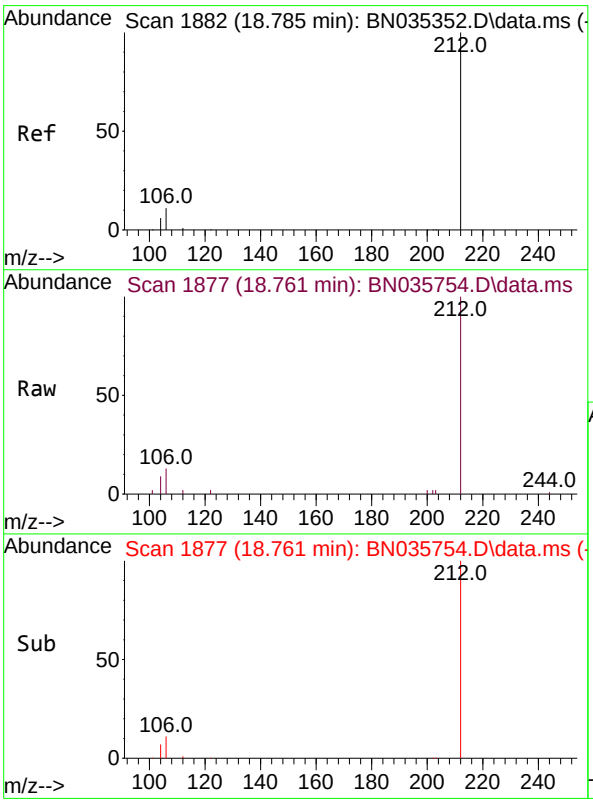
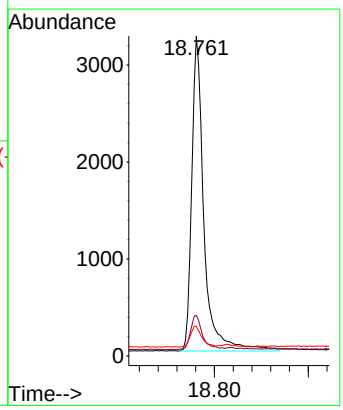
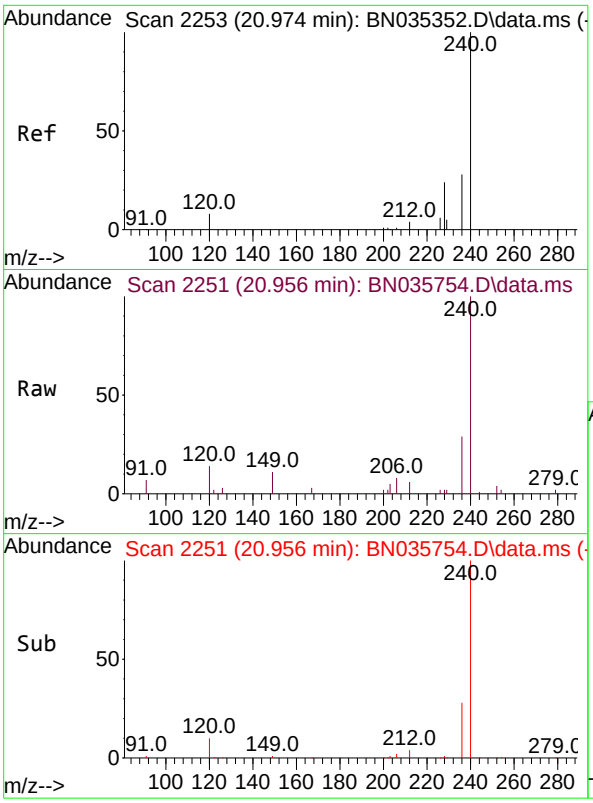


#27
Fluoranthene-d10
Concen: 0.221 ng
RT: 18.761 min Scan# 1877
Delta R.T. -0.000 min
Lab File: BN035754.D
Acq: 20 Dec 2024 22:33

Tgt Ion:212 Resp: 5835

Ion	Ratio	Lower	Upper
212	100		
106	10.6	9.2	13.8
104	6.2	5.3	7.9

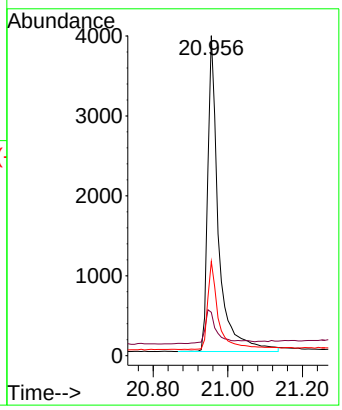




#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.956 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035754.D
Acq: 20 Dec 2024 22:33

Tgt Ion:240 Resp: 792

Ion	Ratio	Lower	Upper
240	100		
120	13.5	7.9	11.9
236	29.4	22.9	34.3



Instrument :
BNA_N
ClientSampleId :
RE103D1-20241209DL

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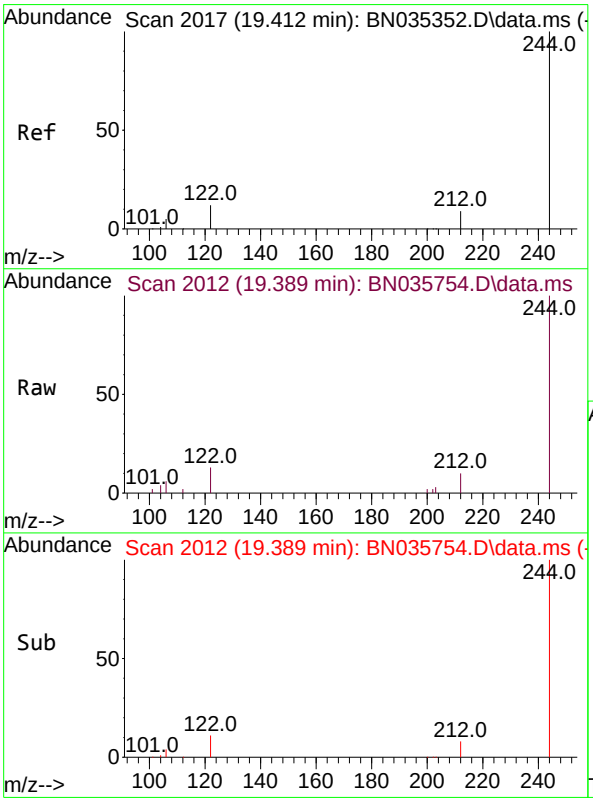
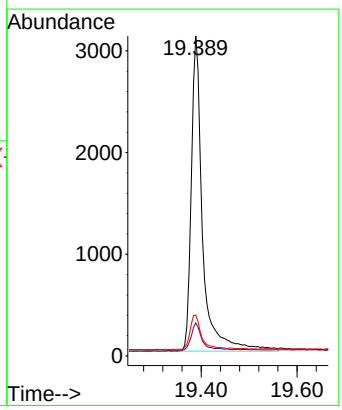
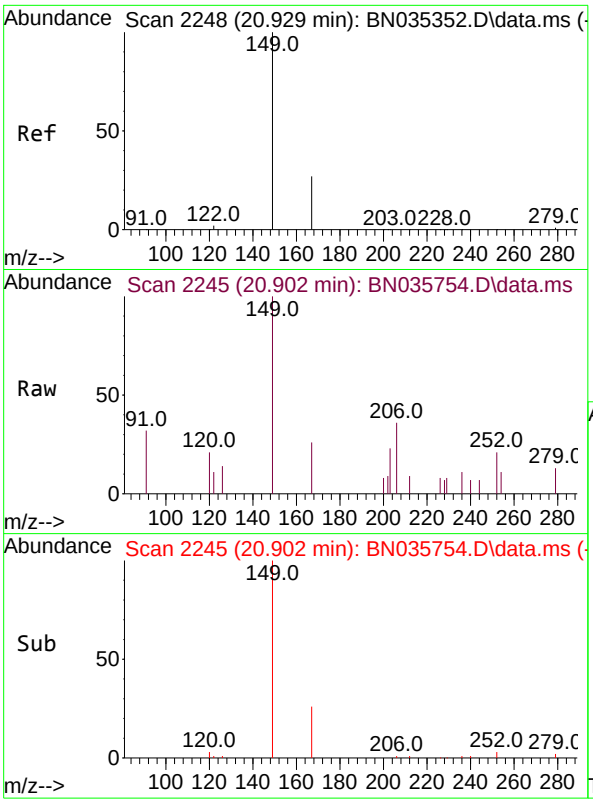


#31
Terphenyl-d14
Concen: 0.326 ng
RT: 19.389 min Scan# 2012
Delta R.T. -0.000 min
Lab File: BN035754.D
Acq: 20 Dec 2024 22:33

Tgt Ion:244 Resp: 5098

Ion	Ratio	Lower	Upper
244	100		
212	10.3	8.1	12.1
122	12.8	10.3	15.5

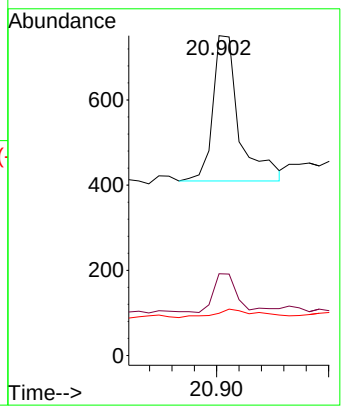




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.051 ng
RT: 20.902 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN035754.D
Acq: 20 Dec 2024 22:33

Tgt Ion:149 Resp: 55

Ion	Ratio	Lower	Upper
149	100		
167	23.0	22.2	33.4
279	9.5	2.7	4.1#



Instrument :
BNA_N
ClientSampleId :
RE103D1-20241209DL

Manual Integrations
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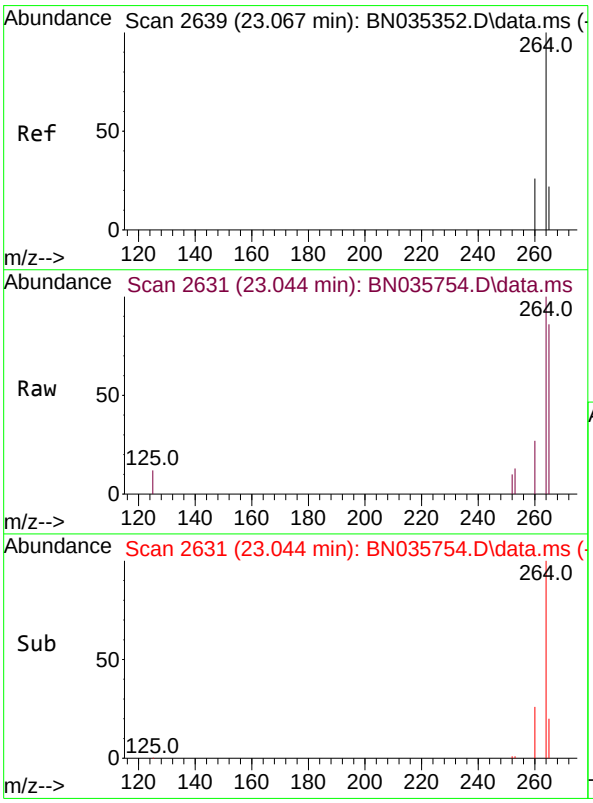
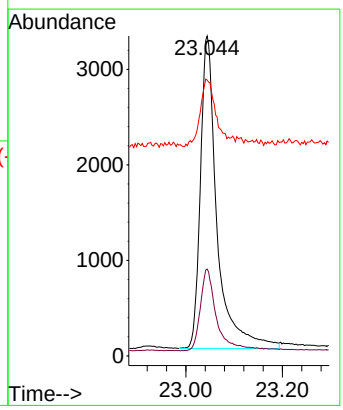
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.044 min Scan# 2631
Delta R.T. 0.003 min
Lab File: BN035754.D
Acq: 20 Dec 2024 22:33

Tgt Ion:264 Resp: 7852

Ion	Ratio	Lower	Upper
264	100		
260	27.2	21.4	32.2
265	86.2	40.2	60.4#



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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/09/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/11/24
Client Sample ID:	RE103D2-20241209	SDG No.:	P5261
Lab Sample ID:	P5261-05	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035718.D	1	12/12/24 10:30	12/19/24 23:34	PB165596

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.44		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.38		30 - 150		94%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.38		30 - 150		94%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.40		55 - 111		101%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.34		53 - 106		86%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.58	*	58 - 132		146%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3200	7.272				
1146-65-2	Naphthalene-d8	8730	10.02				
15067-26-2	Acenaphthene-d10	5750	13.935				
1517-22-2	Phenanthrene-d10	12100	16.711				
1719-03-5	Chrysene-d12	10100	20.956				
1520-96-3	Perylene-d12	11300	23.041				

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_N\Data\BN121924\
Data File : BN035718.D
Acq On : 19 Dec 2024 23:34
Operator : RC/JU
Sample : P5261-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE103D2-20241209

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

Quant Time: Dec 20 00:06:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.272	152	3198	0.400	ng	0.00
7) Naphthalene-d8	10.020	136	8727	0.400	ng	# 0.00
13) Acenaphthene-d10	13.935	164	5748	0.400	ng	0.00
19) Phenanthrene-d10	16.711	188	12085	0.400	ng	# 0.01
29) Chrysene-d12	20.956	240	10091	0.400	ng	0.00
35) Perylene-d12	23.041	264	11286	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.939	112	982	0.123	ng	0.00
5) Phenol-d6	6.492	99	553	0.057	ng	0.00
8) Nitrobenzene-d5	8.408	82	2148m	0.403	ng	0.00
11) 2-Methylnaphthalene-d10	11.621	152	5118	0.375	ng	0.00
14) 2,4,6-Tribromophenol	15.453	330	836	0.205	ng	0.00
15) 2-Fluorobiphenyl	12.544	172	7434	0.342	ng	0.00
27) Fluoranthene-d10	18.761	212	12863	0.375	ng	0.00
31) Terphenyl-d14	19.389	244	11596	0.583	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.982	88	1342	0.439	ng	92
34) Bis(2-ethylhexyl)phtha...	20.911	149	812	0.058	ng	# 94

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035718.D
Acq On : 19 Dec 2024 23:34
Operator : RC/JU
Sample : P5261-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 20 00:06:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

Instrument :
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ClientSampleId :
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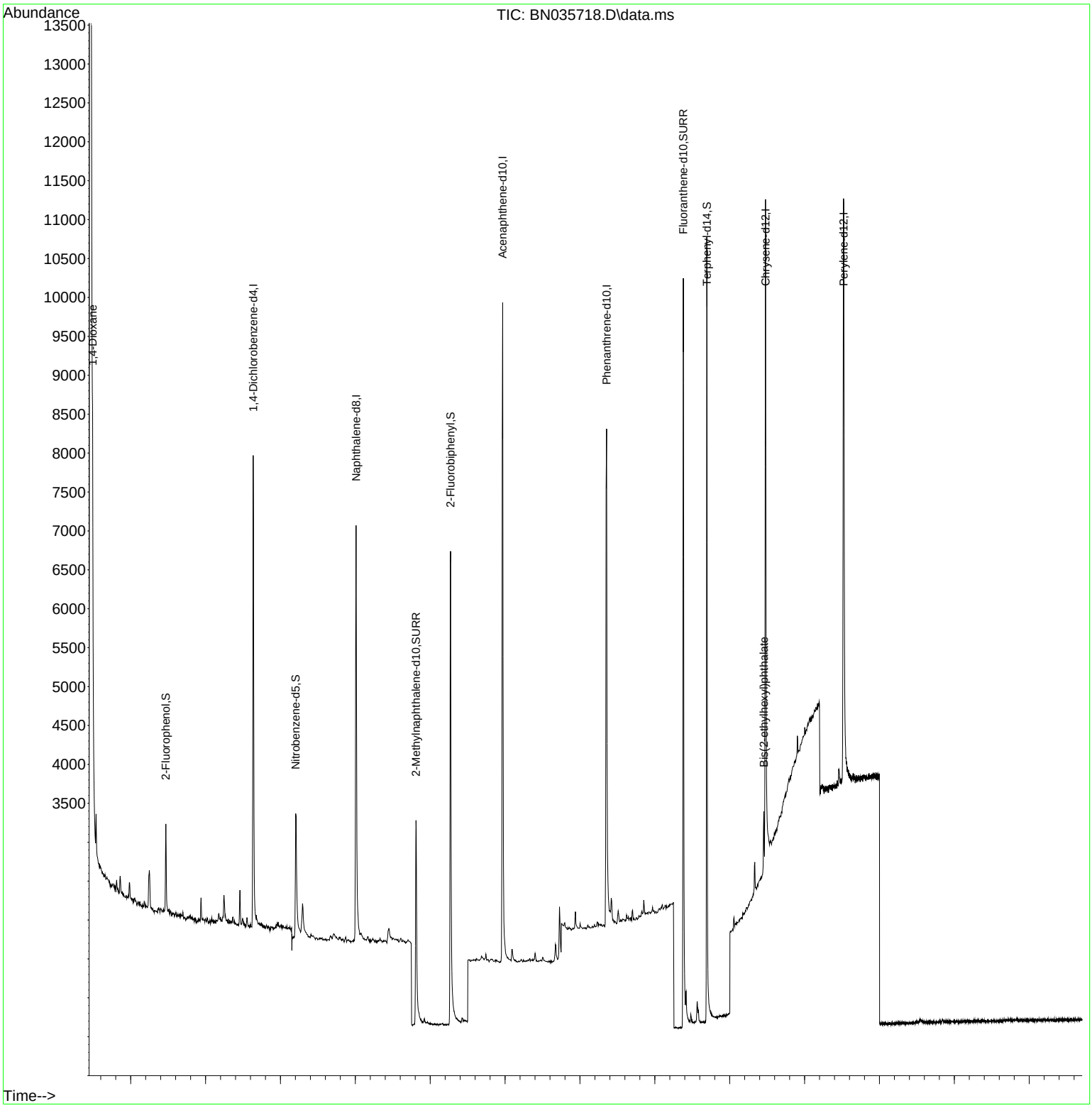
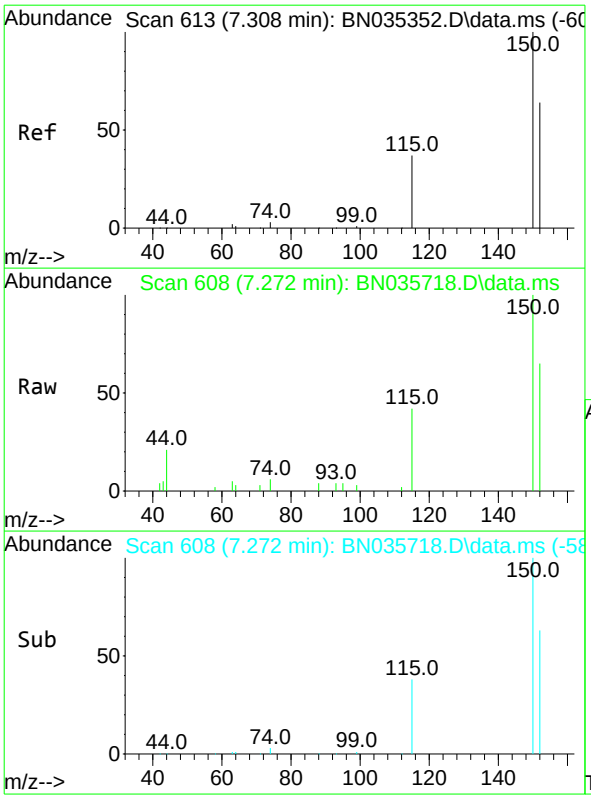
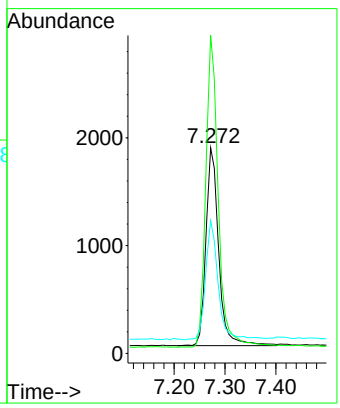




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.272 min Scan# 60
Delta R.T. -0.000 min
Lab File: BN035718.D
Acq: 19 Dec 2024 23:34

Tgt Ion:152 Resp: 3198

Ion	Ratio	Lower	Upper
152	100		
150	154.7	124.0	186.0
115	64.6	49.6	74.4



Instrument :
BNA_N
ClientSampleId :
RE103D2-20241209

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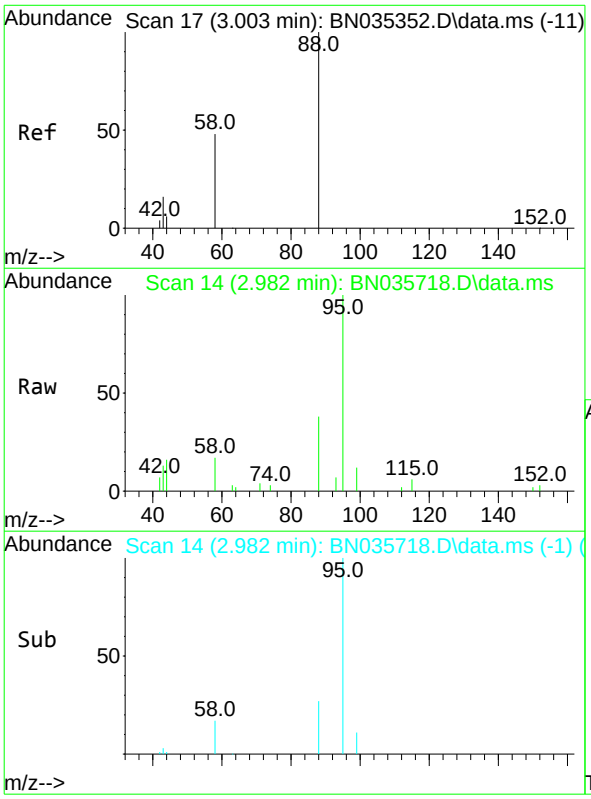
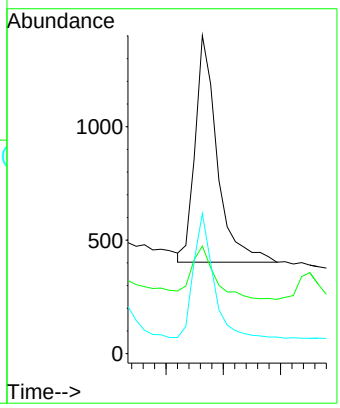
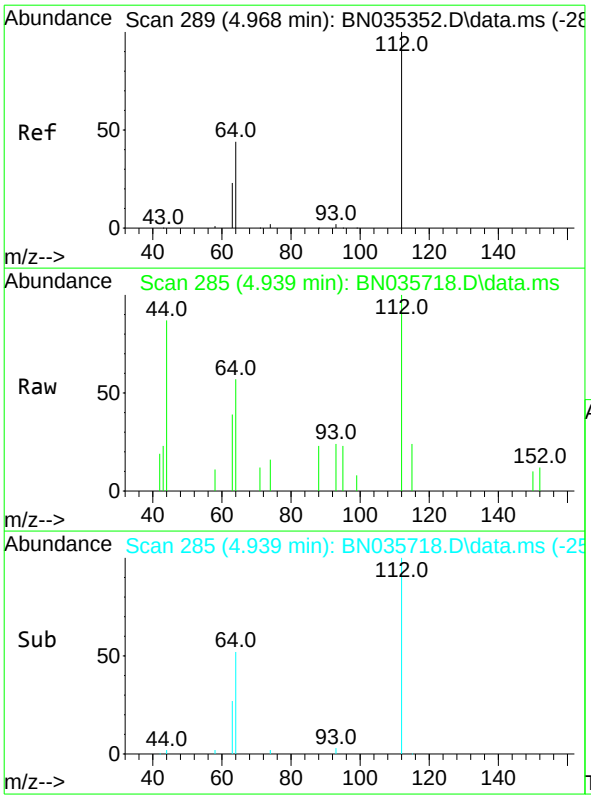


#2
1,4-Dioxane
Concen: 0.439 ng
RT: 2.982 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035718.D
Acq: 19 Dec 2024 23:34

Tgt Ion: 88 Resp: 1342

Ion	Ratio	Lower	Upper
88	100		
43	24.7	17.2	25.8
58	49.8	44.5	66.7

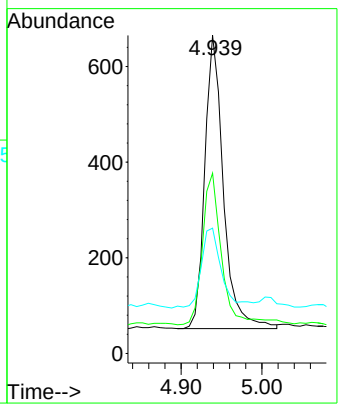




#4
2-Fluorophenol
Concen: 0.123 ng
RT: 4.939 min Scan# 28
Delta R.T. -0.000 min
Lab File: BN035718.D
Acq: 19 Dec 2024 23:34

Tgt Ion:112 Resp: 982

Ion	Ratio	Lower	Upper
112	100		
64	53.5	39.8	59.8
63	30.4	21.0	31.6



Instrument :
BNA_N
ClientSampleId :
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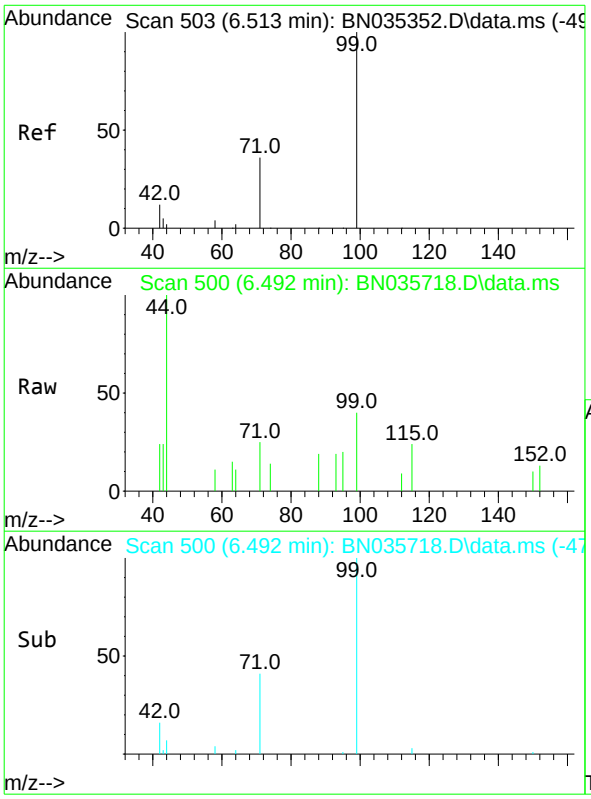
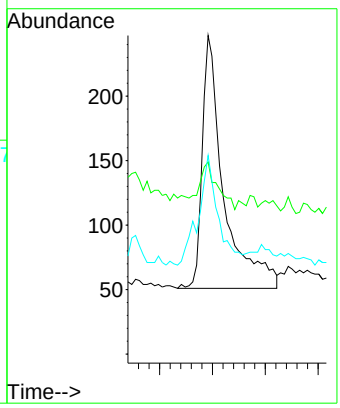
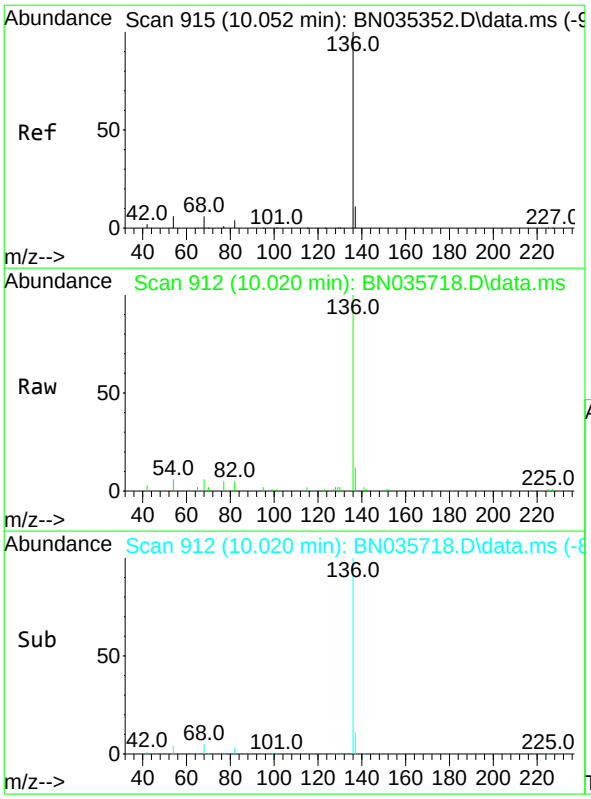


#5
Phenol-d6
Concen: 0.057 ng
RT: 6.492 min Scan# 500
Delta R.T. 0.000 min
Lab File: BN035718.D
Acq: 19 Dec 2024 23:34

Tgt Ion: 99 Resp: 553

Ion	Ratio	Lower	Upper
99	100		
42	17.2	11.4	17.2#
71	40.1	29.3	43.9

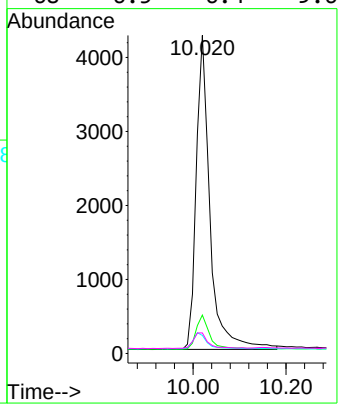




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.020 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN035718.D
Acq: 19 Dec 2024 23:34

Tgt Ion:136 Resp: 8727

Ion	Ratio	Lower	Upper
136	100		
137	12.1	10.2	15.2
54	5.7	6.1	9.1#
68	6.5	6.4	9.6



Instrument :
BNA_N
ClientSampleId :
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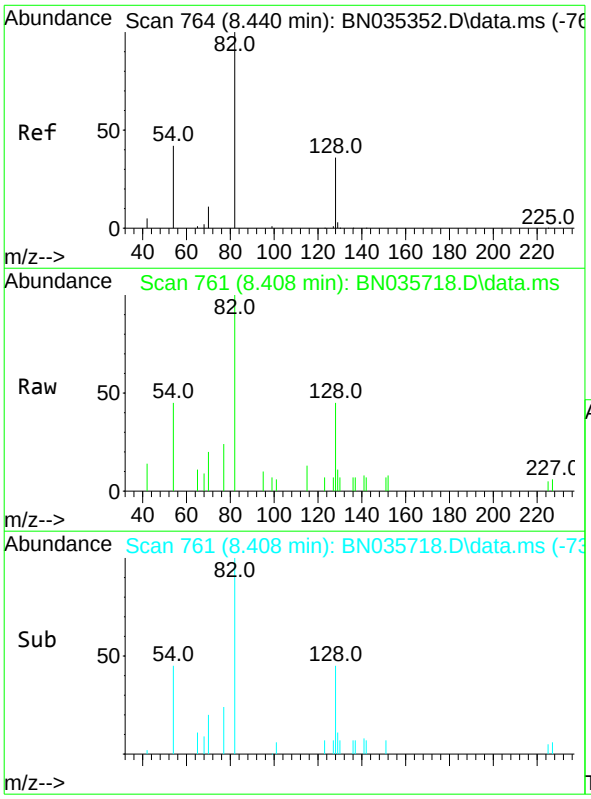
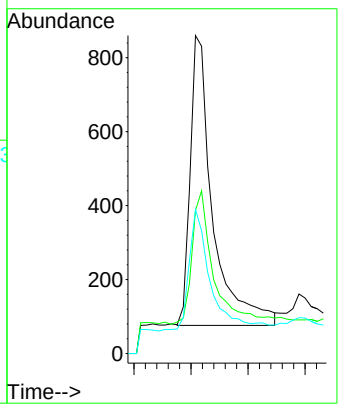
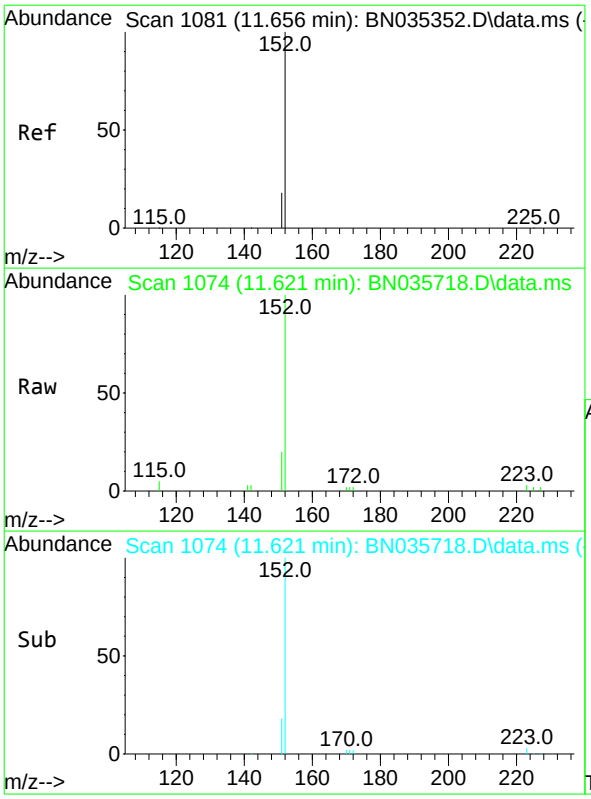


#8
Nitrobenzene-d5
Concen: 0.403 ng m
RT: 8.408 min Scan# 761
Delta R.T. -0.000 min
Lab File: BN035718.D
Acq: 19 Dec 2024 23:34

Tgt Ion: 82 Resp: 2148

Ion	Ratio	Lower	Upper
82	100		
128	45.0	33.4	50.0
54	45.3	36.7	55.1

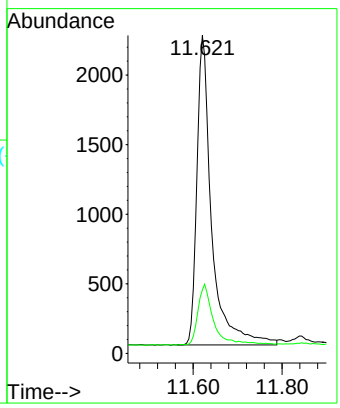




#11
2-Methylnaphthalene-d10
Concen: 0.375 ng
RT: 11.621 min Scan# 10
Delta R.T. 0.000 min
Lab File: BN035718.D
Acq: 19 Dec 2024 23:34

Tgt Ion:152 Resp: 5118

Ion	Ratio	Lower	Upper
152	100		
151	20.9	16.6	25.0



Instrument :
BNA_N
ClientSampleId :
RE103D2-20241209

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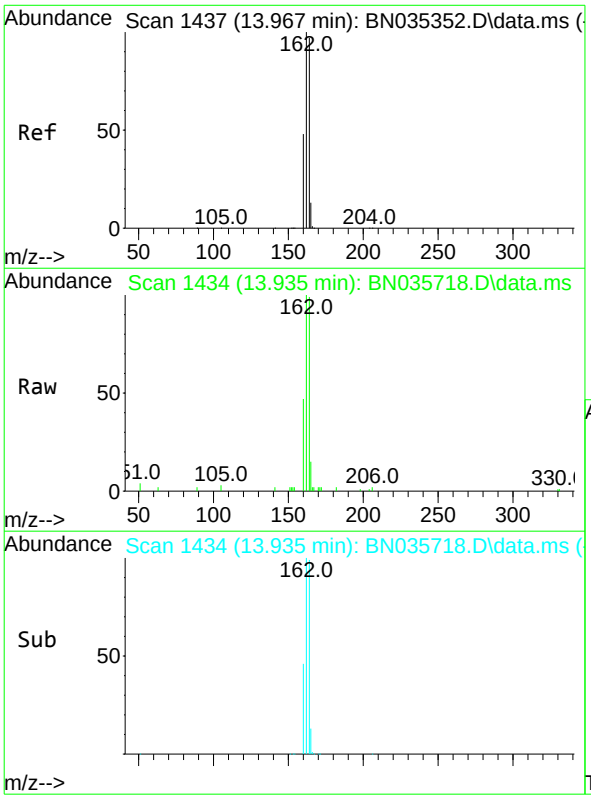
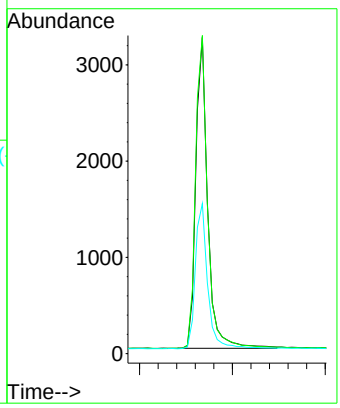
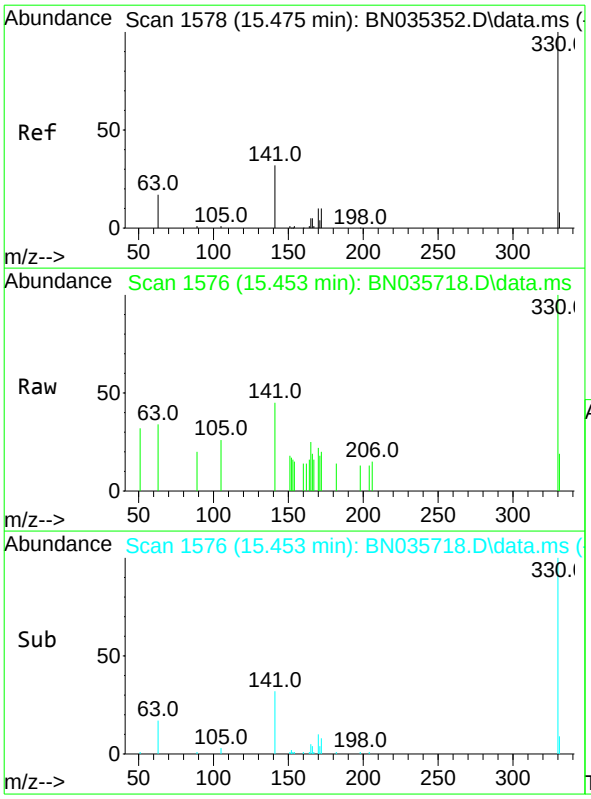


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.935 min Scan# 1434
Delta R.T. -0.000 min
Lab File: BN035718.D
Acq: 19 Dec 2024 23:34

Tgt Ion:164 Resp: 5748

Ion	Ratio	Lower	Upper
164	100		
162	100.6	82.2	123.2
160	47.4	40.1	60.1





#14
2,4,6-Tribromophenol
Concen: 0.205 ng
RT: 15.453 min Scan# 15
Delta R.T. -0.000 min
Lab File: BN035718.D
Acq: 19 Dec 2024 23:34

Tgt Ion:330 Resp: 836

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	28.0	26.6	40.0

Instrument :
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ClientSampleId :
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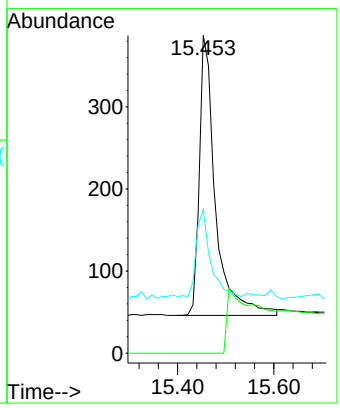
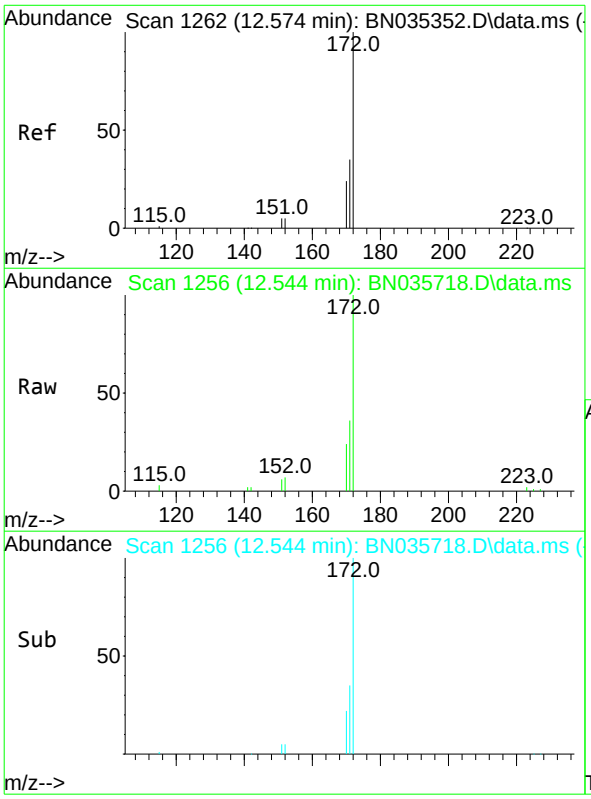
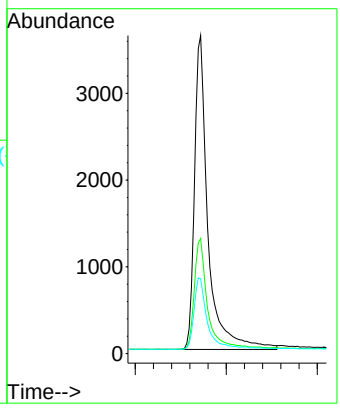


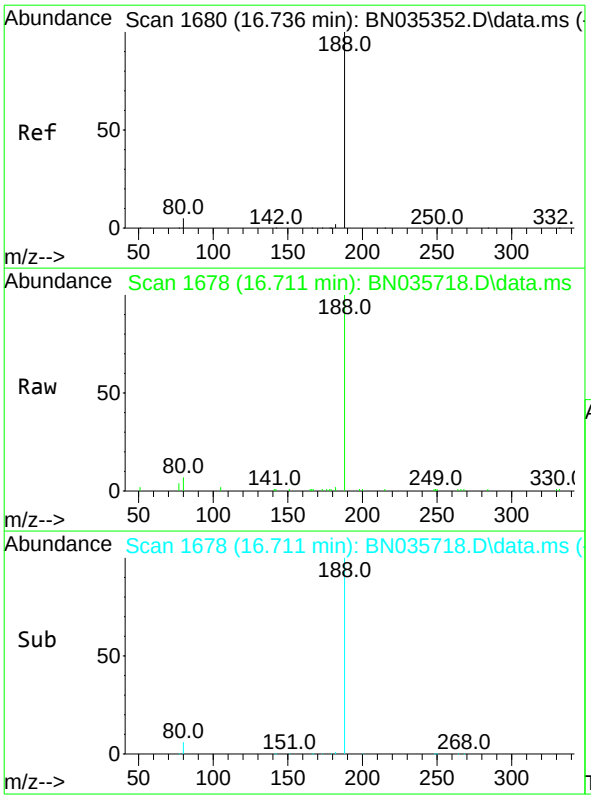


#15
2-Fluorobiphenyl
Concen: 0.342 ng
RT: 12.544 min Scan# 1256
Delta R.T. -0.000 min
Lab File: BN035718.D
Acq: 19 Dec 2024 23:34

Tgt Ion:172 Resp: 7434

Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.0	43.4
170	23.5	19.8	29.8

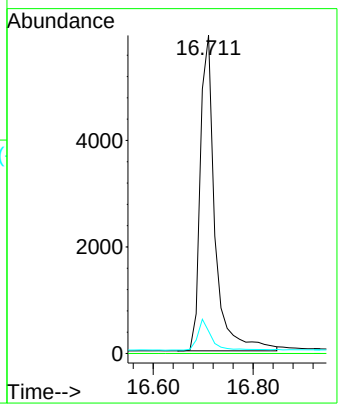




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.711 min Scan# 16
Delta R.T. 0.012 min
Lab File: BN035718.D
Acq: 19 Dec 2024 23:34

Tgt Ion:188 Resp: 12085

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.0	4.6	6.8#



Instrument :
BNA_N
ClientSampleId :
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Manual Integrations
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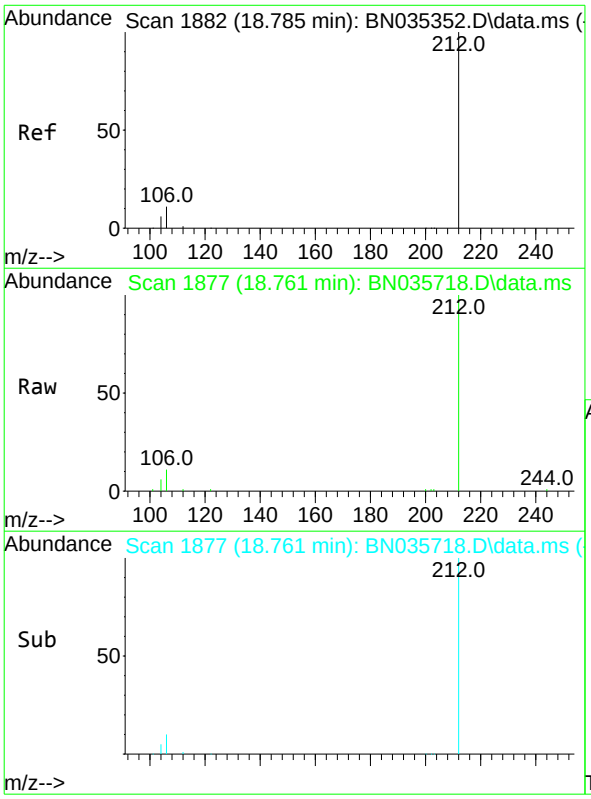
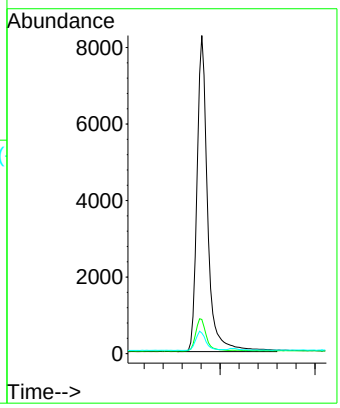
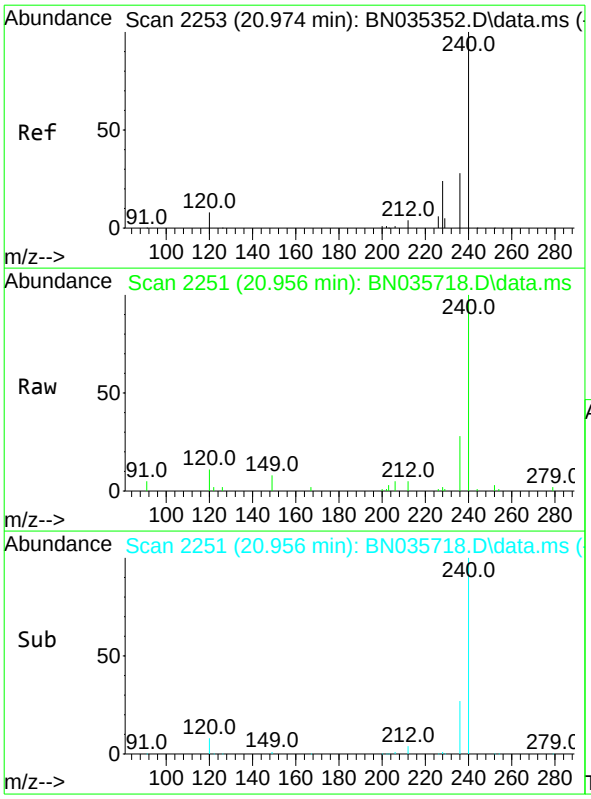


#27
Fluoranthene-d10
Concen: 0.375 ng
RT: 18.761 min Scan# 1877
Delta R.T. -0.000 min
Lab File: BN035718.D
Acq: 19 Dec 2024 23:34

Tgt Ion:212 Resp: 12863

Ion	Ratio	Lower	Upper
212	100		
106	10.2	9.2	13.8
104	5.8	5.3	7.9

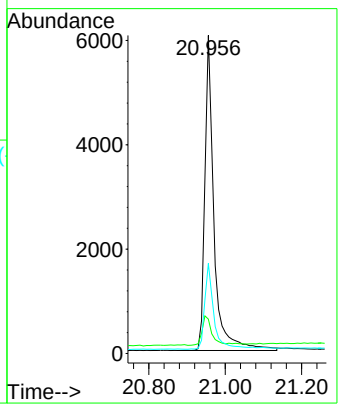




#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.956 min Scan# 22
Delta R.T. 0.000 min
Lab File: BN035718.D
Acq: 19 Dec 2024 23:34

Tgt Ion:240 Resp: 10091

Ion	Ratio	Lower	Upper
240	100		
120	10.8	7.9	11.9
236	28.3	22.9	34.3



Instrument :
BNA_N
ClientSampleId :
RE103D2-20241209

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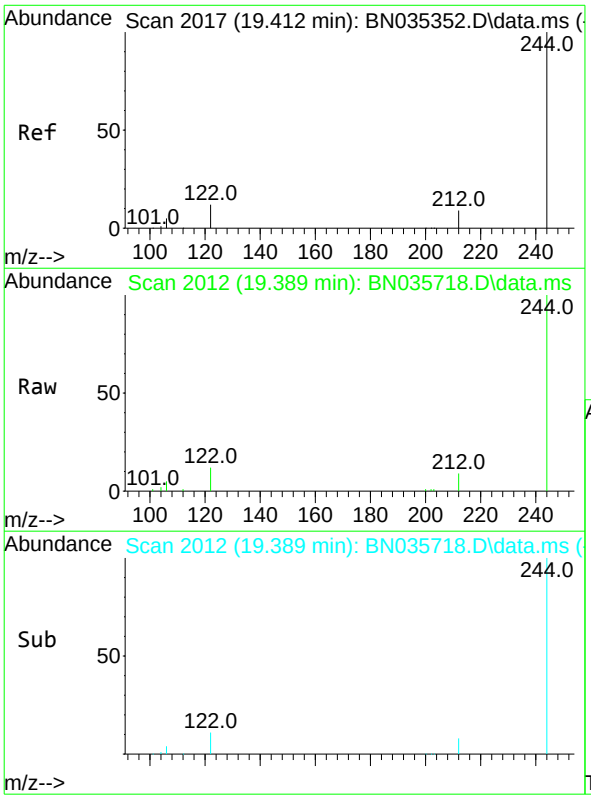
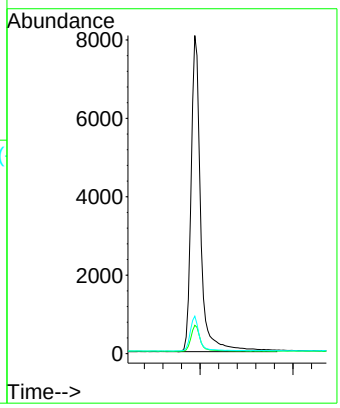
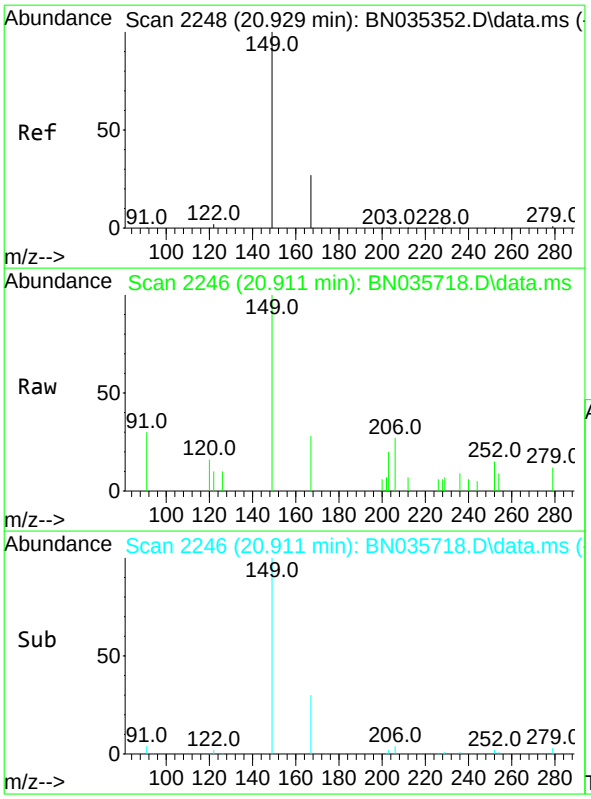


#31
Terphenyl-d14
Concen: 0.583 ng
RT: 19.389 min Scan# 2012
Delta R.T. -0.000 min
Lab File: BN035718.D
Acq: 19 Dec 2024 23:34

Tgt Ion:244 Resp: 11596

Ion	Ratio	Lower	Upper
244	100		
212	8.9	8.1	12.1
122	11.8	10.3	15.5





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.058 ng
RT: 20.911 min Scan# 22
Delta R.T. -0.000 min
Lab File: BN035718.D
Acq: 19 Dec 2024 23:34

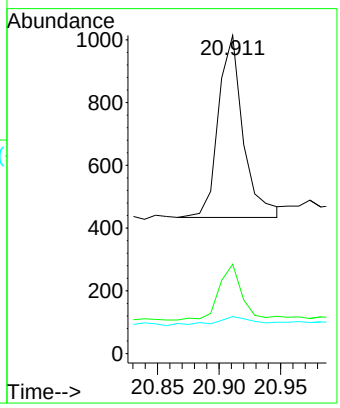
Tgt Ion:149 Resp: 812

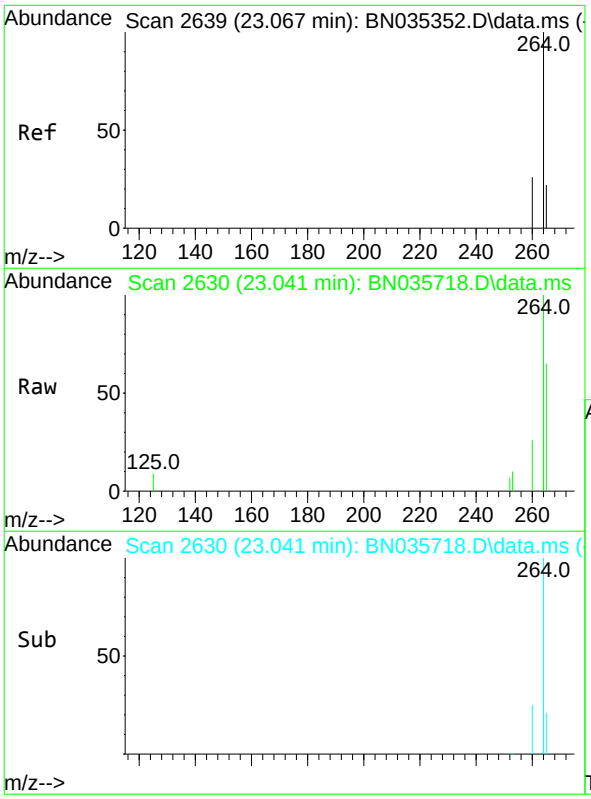
Ion	Ratio	Lower	Upper
149	100		
167	30.3	22.2	33.4
279	7.8	2.7	4.1#

Instrument :
BNA_N
ClientSampleId :
RE103D2-20241209

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

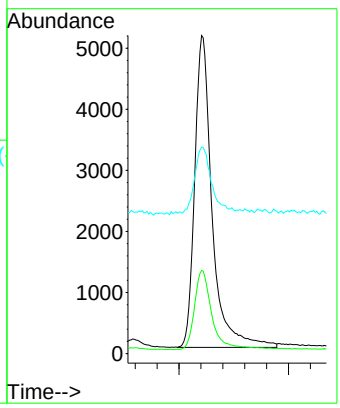




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.041 min Scan# 2630
Delta R.T. -0.000 min
Lab File: BN035718.D
Acq: 19 Dec 2024 23:34

Tgt Ion:264 Resp: 11286

Ion	Ratio	Lower	Upper
264	100		
260	26.2	21.4	32.2
265	64.9	40.2	60.4#



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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/09/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/11/24
Client Sample ID:	RE103D3-20241209	SDG No.:	P5261
Lab Sample ID:	P5261-06	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035719.D	1	12/12/24 10:30	12/20/24 00:10	PB165596

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.10	J	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.29		30 - 150		72%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.35		30 - 150		86%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.32		55 - 111		79%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.27		53 - 106		68%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.51		58 - 132		127%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2940	7.272				
1146-65-2	Naphthalene-d8	7890	10.02				
15067-26-2	Acenaphthene-d10	4870	13.935				
1517-22-2	Phenanthrene-d10	9540	16.711				
1719-03-5	Chrysene-d12	8340	20.956				
1520-96-3	Perylene-d12	9220	23.041				

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_N\Data\BN121924\
Data File : BN035719.D
Acq On : 20 Dec 2024 00:10
Operator : RC/JU
Sample : P5261-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE103D3-20241209

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

Quant Time: Dec 20 00:34:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.272	152	2937	0.400	ng	0.00
7) Naphthalene-d8	10.020	136	7894	0.400	ng	0.00
13) Acenaphthene-d10	13.935	164	4865	0.400	ng	0.00
19) Phenanthrene-d10	16.711	188	9538	0.400	ng	# 0.01
29) Chrysene-d12	20.956	240	8341	0.400	ng	0.00
35) Perylene-d12	23.041	264	9222	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.939	112	460	0.063	ng	0.00
5) Phenol-d6	6.492	99	300	0.034	ng	0.00
8) Nitrobenzene-d5	8.418	82	1518m	0.315	ng	0.01
11) 2-Methylnaphthalene-d10	11.621	152	3560	0.288	ng	0.00
14) 2,4,6-Tribromophenol	15.464	330	137	0.040	ng	0.01
15) 2-Fluorobiphenyl	12.544	172	5019	0.273	ng	0.00
27) Fluoranthene-d10	18.761	212	9354	0.346	ng	0.00
31) Terphenyl-d14	19.389	244	8390	0.510	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.982	88	271	0.097	ng	# 79
34) Bis(2-ethylhexyl)phtha...	20.911	149	1011	0.088	ng	# 98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035719.D
Acq On : 20 Dec 2024 00:10
Operator : RC/JU
Sample : P5261-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 20 00:34:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
RE103D3-20241209

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/21/2024
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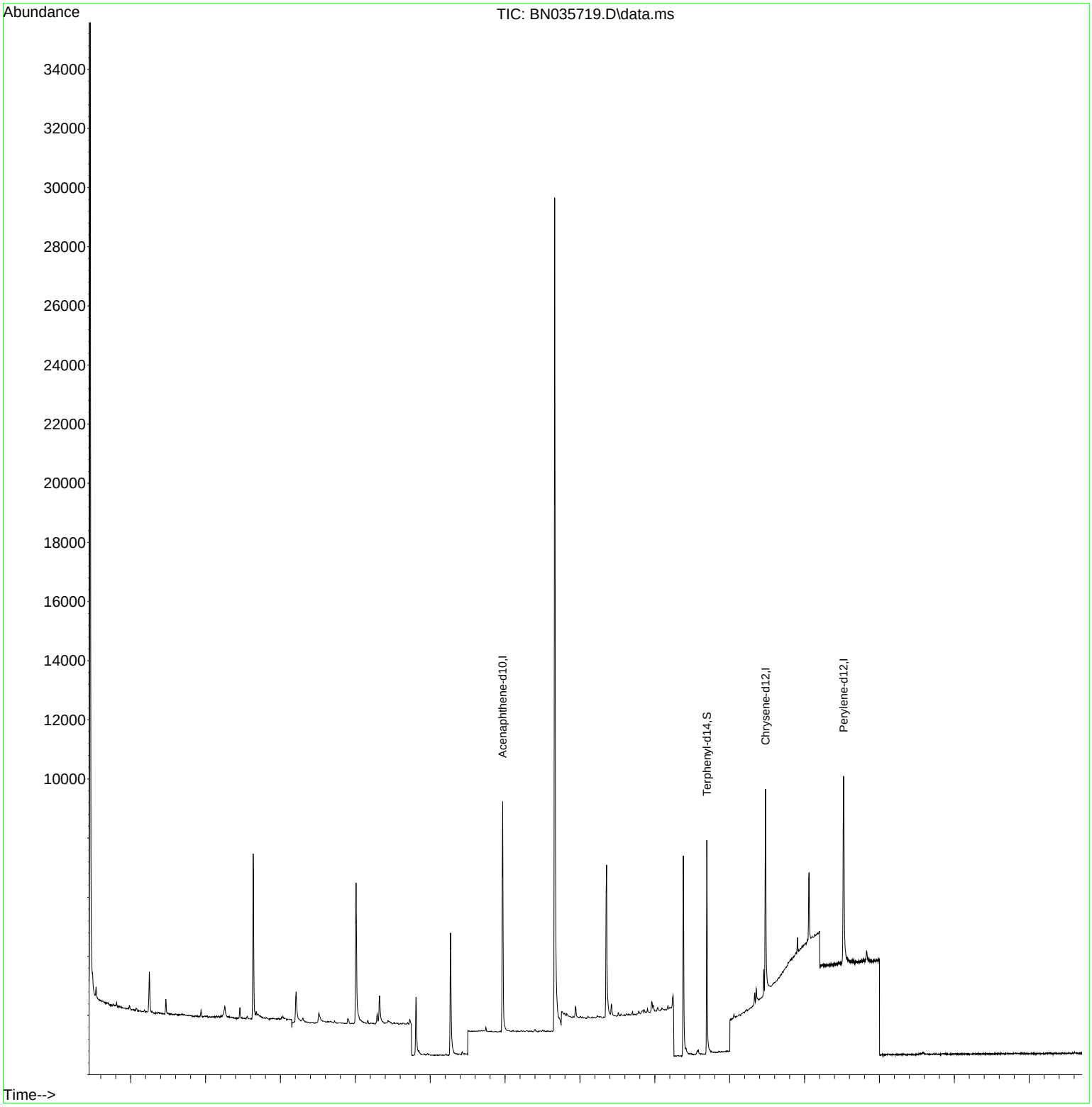
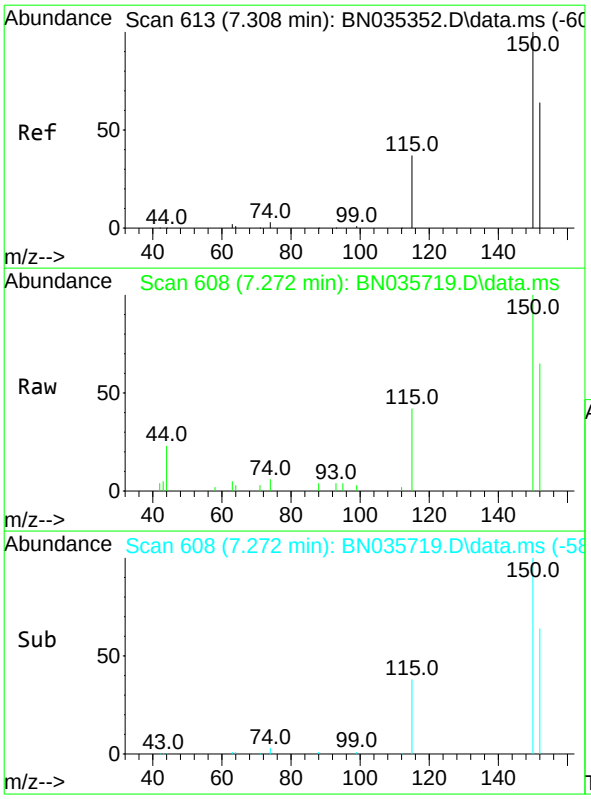
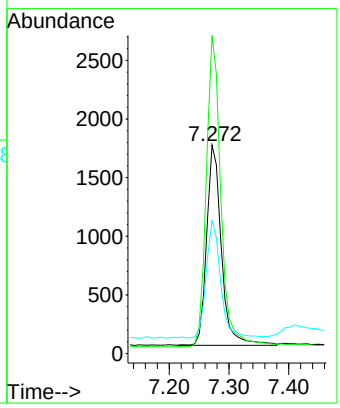




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.272 min Scan# 60
Delta R.T. -0.000 min
Lab File: BN035719.D
Acq: 20 Dec 2024 00:10

Tgt Ion:152 Resp: 2937

Ion	Ratio	Lower	Upper
152	100		
150	152.7	124.0	186.0
115	63.7	49.6	74.4



Instrument :
BNA_N
ClientSampleId :
RE103D3-20241209

Manual Integrations
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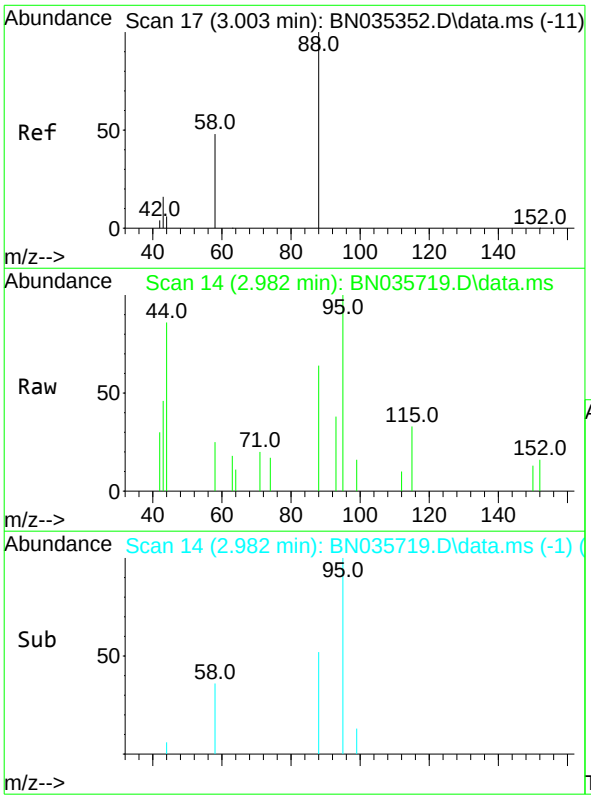
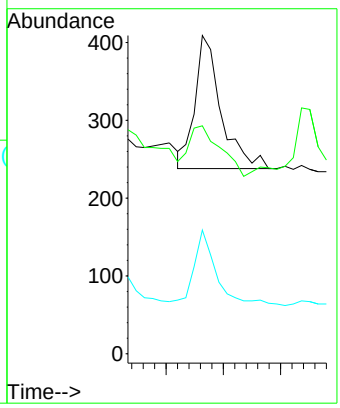
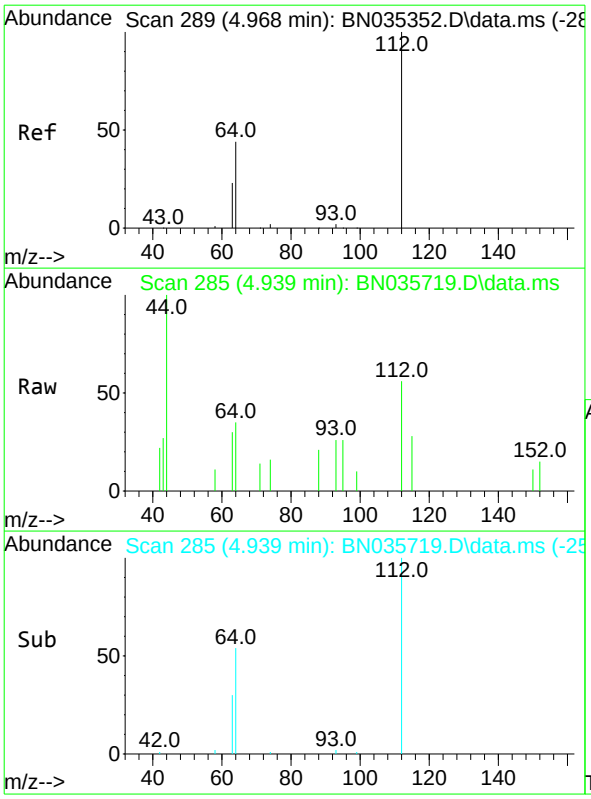


#2
1,4-Dioxane
Concen: 0.097 ng
RT: 2.982 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035719.D
Acq: 20 Dec 2024 00:10

Tgt Ion: 88 Resp: 271

Ion	Ratio	Lower	Upper
88	100		
43	46.1	17.2	25.8#
58	49.1	44.5	66.7

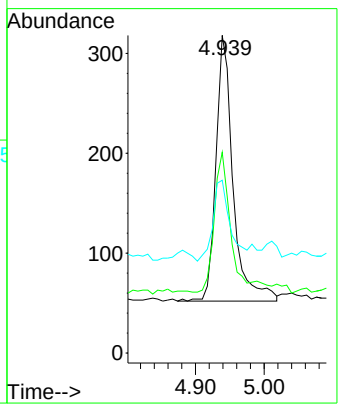




#4
2-Fluorophenol
Concen: 0.063 ng
RT: 4.939 min Scan# 28
Delta R.T. -0.000 min
Lab File: BN035719.D
Acq: 20 Dec 2024 00:10

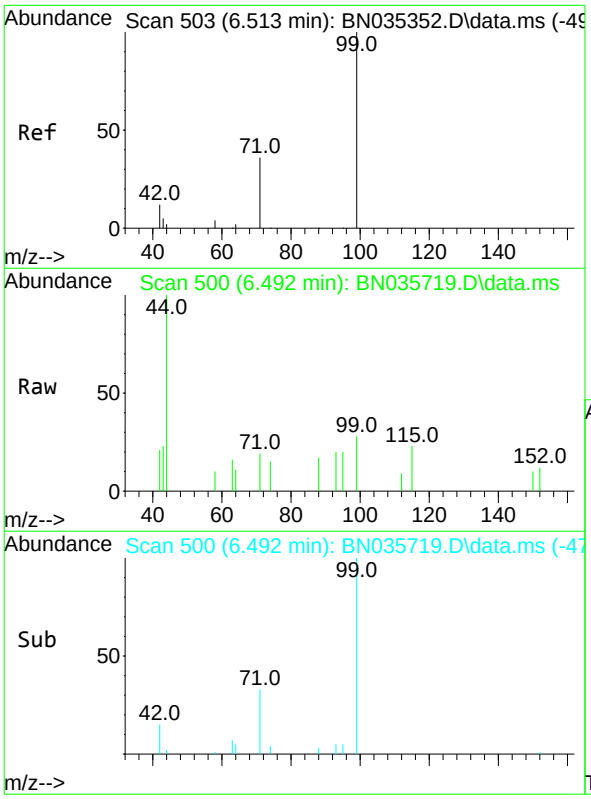
Tgt Ion:112 Resp: 460

Ion	Ratio	Lower	Upper
112	100		
64	52.0	39.8	59.8
63	30.9	21.0	31.6



Instrument :
BNA_N
ClientSampleId :
RE103D3-20241209

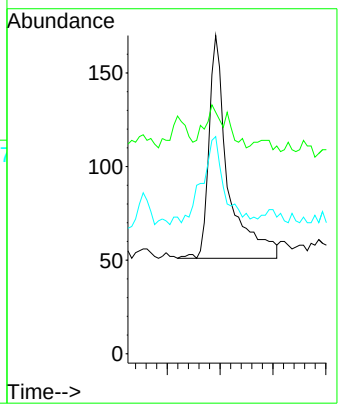
Manual Integrations
APPROVED
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

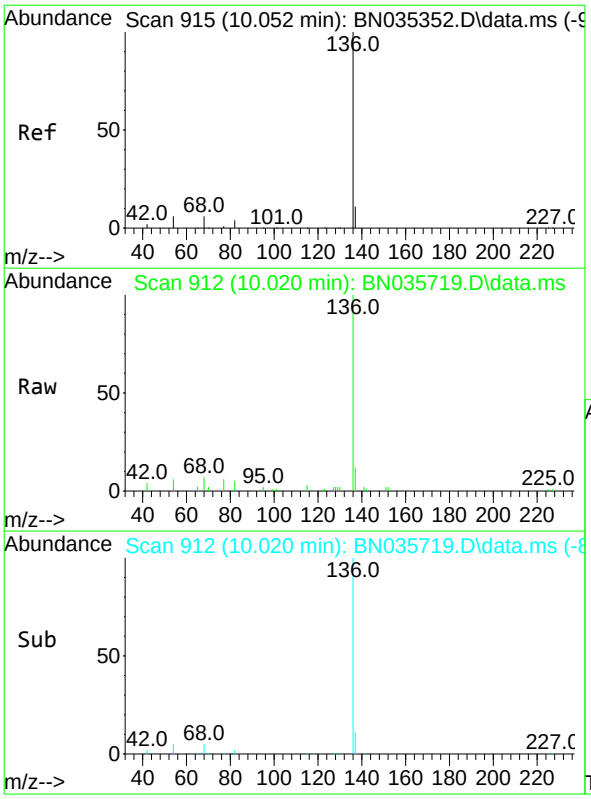


#5
Phenol-d6
Concen: 0.034 ng
RT: 6.492 min Scan# 500
Delta R.T. -0.000 min
Lab File: BN035719.D
Acq: 20 Dec 2024 00:10

Tgt Ion: 99 Resp: 300

Ion	Ratio	Lower	Upper
99	100		
42	25.7	11.4	17.2#
71	47.7	29.3	43.9#

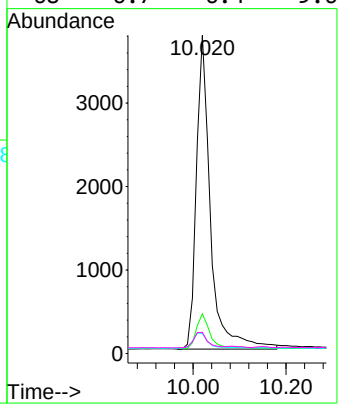




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.020 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN035719.D
Acq: 20 Dec 2024 00:10

Tgt Ion:136 Resp: 7894

Ion	Ratio	Lower	Upper
136	100		
137	12.5	10.2	15.2
54	6.2	6.1	9.1
68	6.7	6.4	9.6



Instrument :
BNA_N
ClientSampleId :
RE103D3-20241209

Manual Integrations
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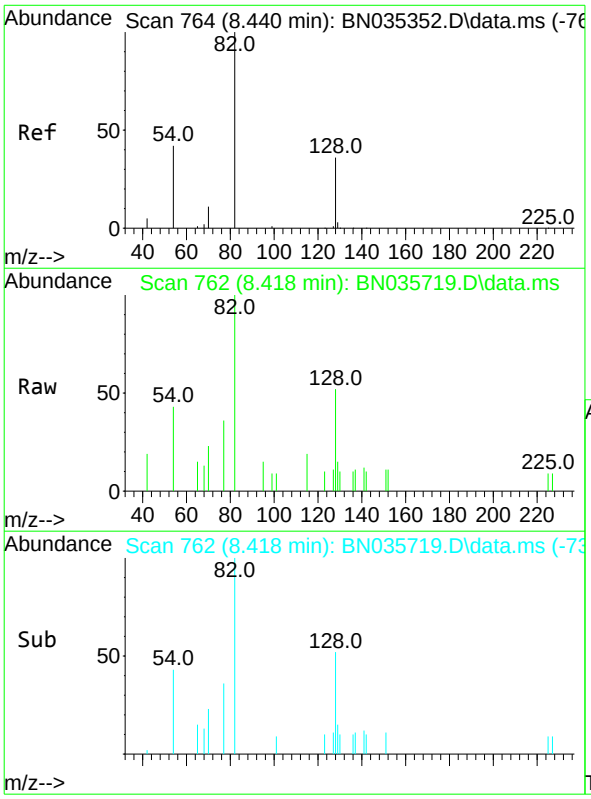
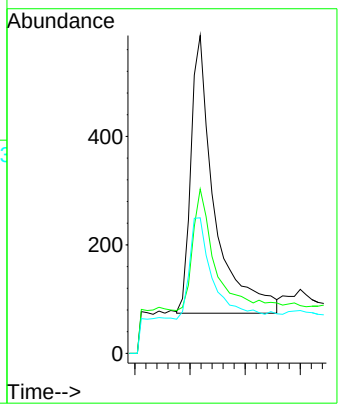
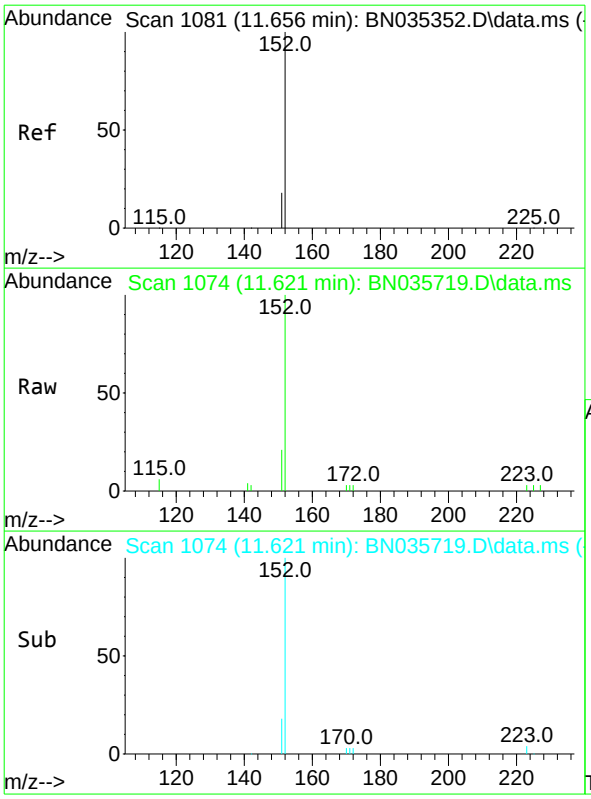


#8
Nitrobenzene-d5
Concen: 0.315 ng m
RT: 8.418 min Scan# 762
Delta R.T. 0.011 min
Lab File: BN035719.D
Acq: 20 Dec 2024 00:10

Tgt Ion: 82 Resp: 1518

Ion	Ratio	Lower	Upper
82	100		
128	51.7	33.4	50.0#
54	42.7	36.7	55.1

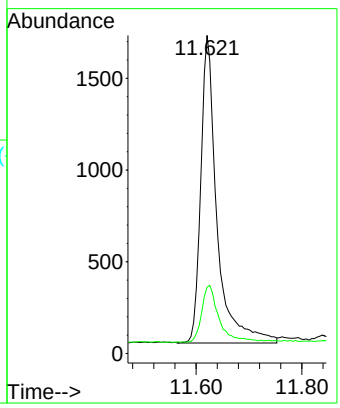




#11
2-Methylnaphthalene-d10
Concen: 0.288 ng
RT: 11.621 min Scan# 10
Delta R.T. -0.000 min
Lab File: BN035719.D
Acq: 20 Dec 2024 00:10

Tgt Ion:152 Resp: 3560

Ion	Ratio	Lower	Upper
152	100		
151	19.5	16.6	25.0



Instrument :
BNA_N
ClientSampleId :
RE103D3-20241209

Manual Integrations
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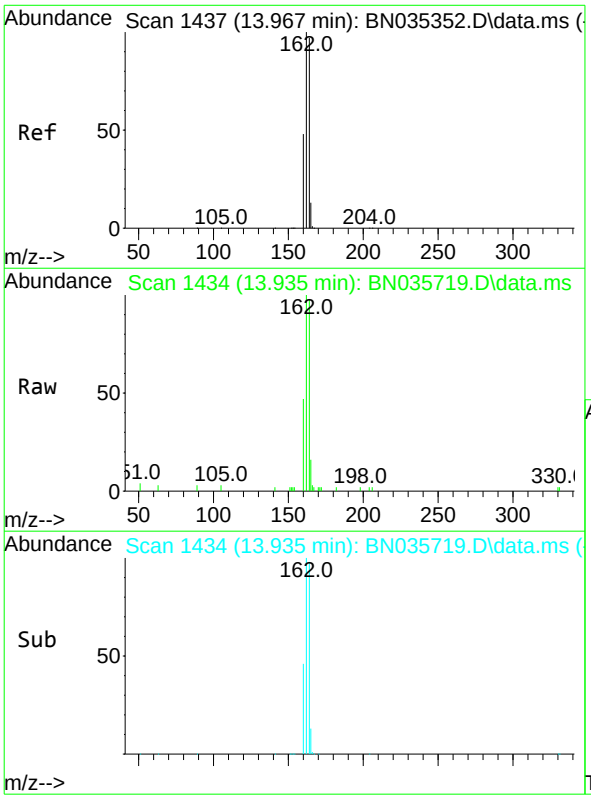
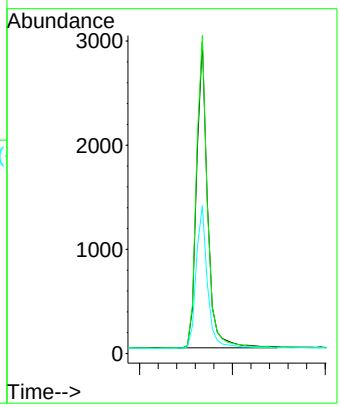
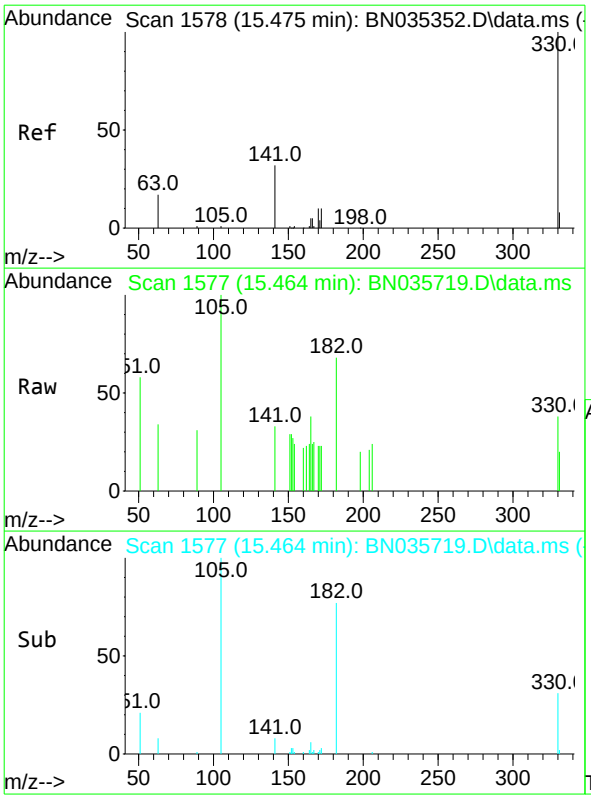


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.935 min Scan# 1434
Delta R.T. -0.000 min
Lab File: BN035719.D
Acq: 20 Dec 2024 00:10

Tgt Ion:164 Resp: 4865

Ion	Ratio	Lower	Upper
164	100		
162	101.9	82.2	123.2
160	47.4	40.1	60.1

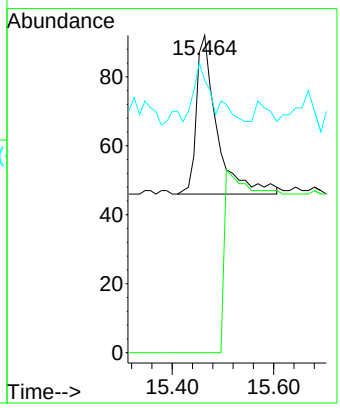




#14
2,4,6-Tribromophenol
Concen: 0.040 ng
RT: 15.464 min Scan# 15
Delta R.T. 0.011 min
Lab File: BN035719.D
Acq: 20 Dec 2024 00:10

Tgt Ion:330 Resp: 137

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	42.3	26.6	40.0#



Instrument :
BNA_N
ClientSampleId :
RE103D3-20241209

Manual Integrations
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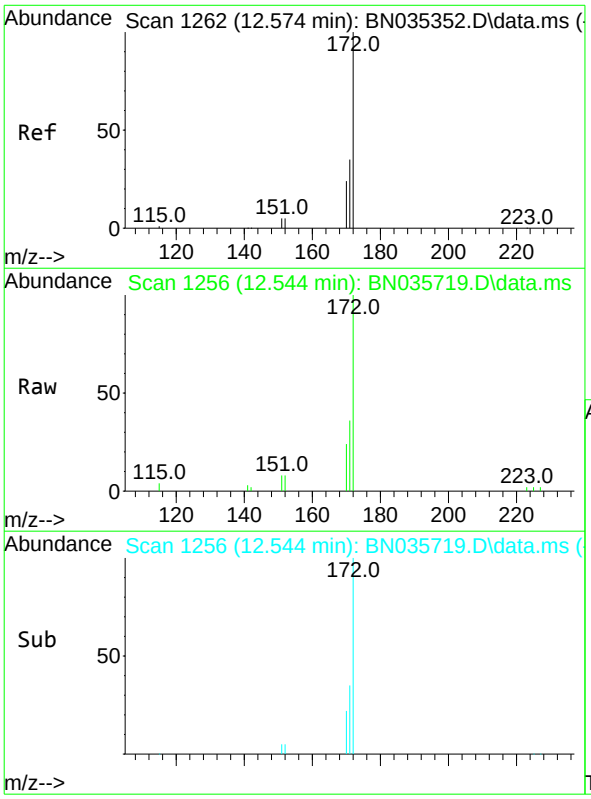
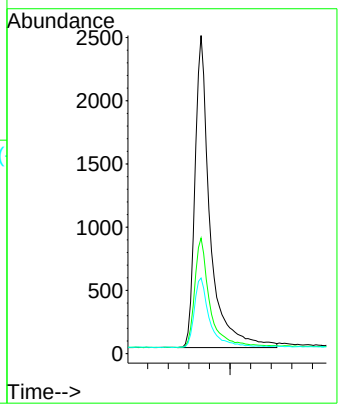
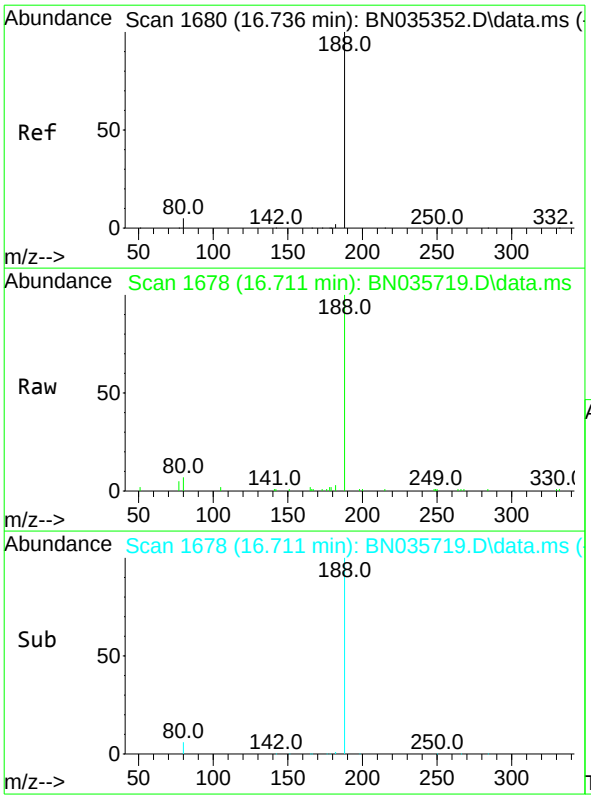


#15
2-Fluorobiphenyl
Concen: 0.273 ng
RT: 12.544 min Scan# 1256
Delta R.T. -0.000 min
Lab File: BN035719.D
Acq: 20 Dec 2024 00:10

Tgt Ion:172 Resp: 5019

Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.0	43.4
170	23.8	19.8	29.8

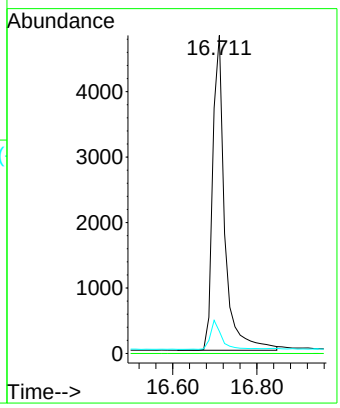




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.711 min Scan# 16
Delta R.T. 0.012 min
Lab File: BN035719.D
Acq: 20 Dec 2024 00:10

Tgt Ion:188 Resp: 9538

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.0	4.6	6.8#



Instrument :
BNA_N
ClientSampleId :
RE103D3-20241209

Manual Integrations
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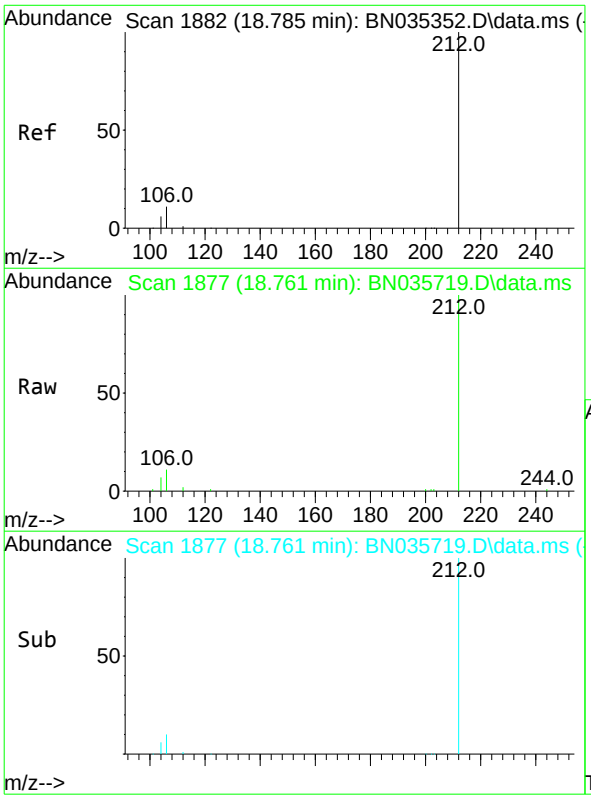
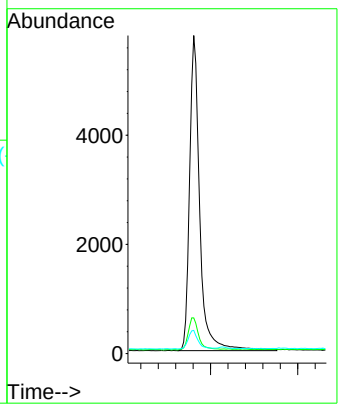
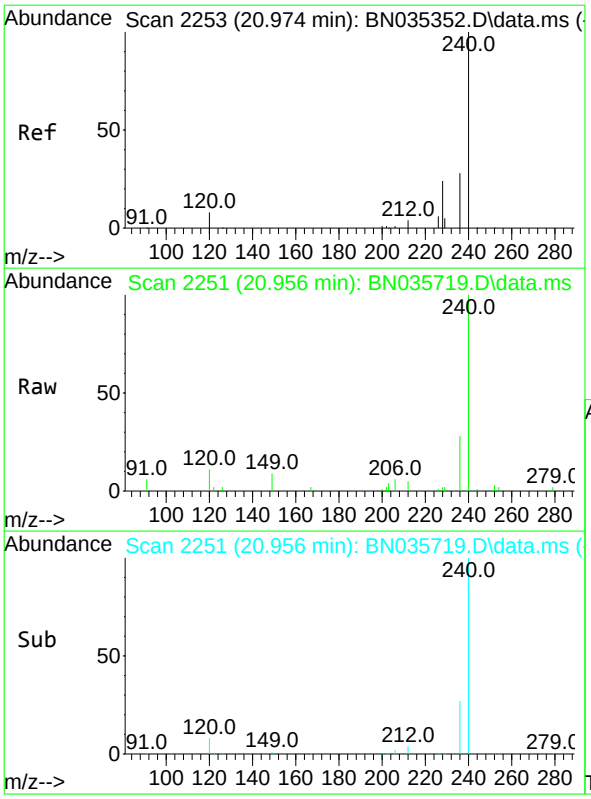


#27
Fluoranthene-d10
Concen: 0.346 ng
RT: 18.761 min Scan# 1877
Delta R.T. -0.000 min
Lab File: BN035719.D
Acq: 20 Dec 2024 00:10

Tgt Ion:212 Resp: 9354

Ion	Ratio	Lower	Upper
212	100		
106	10.1	9.2	13.8
104	5.7	5.3	7.9

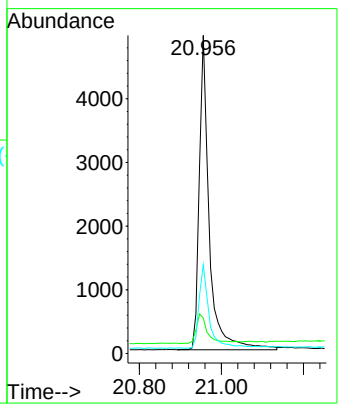




#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.956 min Scan# 22
Delta R.T. -0.000 min
Lab File: BN035719.D
Acq: 20 Dec 2024 00:10

Tgt Ion:240 Resp: 8341

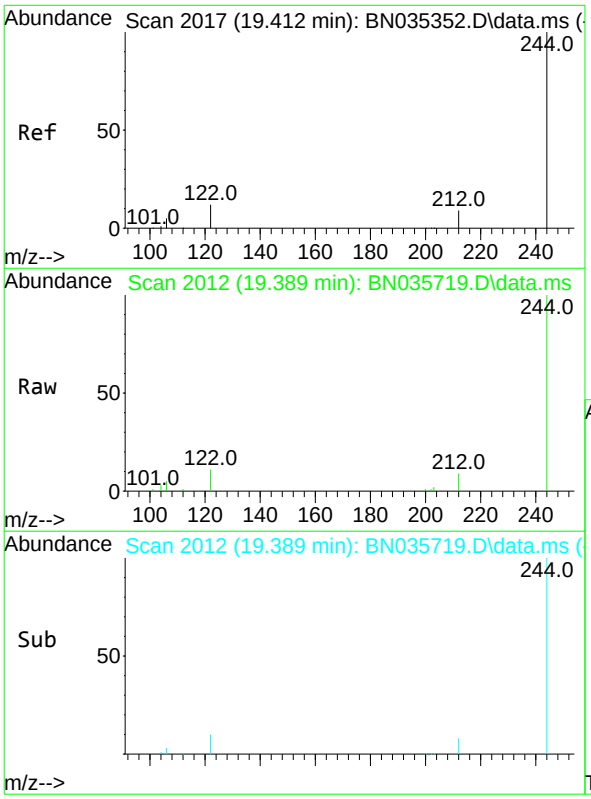
Ion	Ratio	Lower	Upper
240	100		
120	11.1	7.9	11.9
236	27.9	22.9	34.3



Instrument :
BNA_N
ClientSampleId :
RE103D3-20241209

Manual Integrations
APPROVED

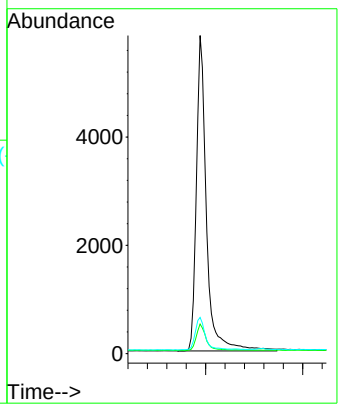
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

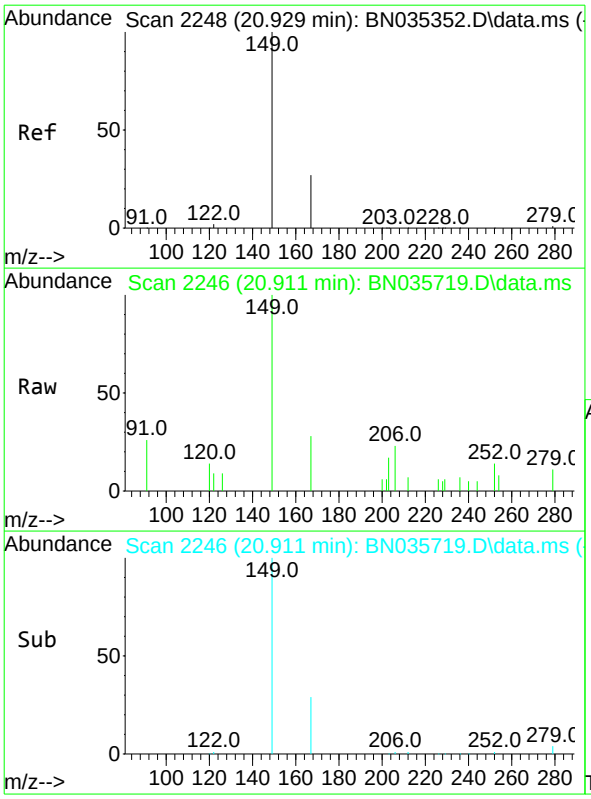


#31
Terphenyl-d14
Concen: 0.510 ng
RT: 19.389 min Scan# 2012
Delta R.T. -0.000 min
Lab File: BN035719.D
Acq: 20 Dec 2024 00:10

Tgt Ion:244 Resp: 8390

Ion	Ratio	Lower	Upper
244	100		
212	9.3	8.1	12.1
122	11.4	10.3	15.5





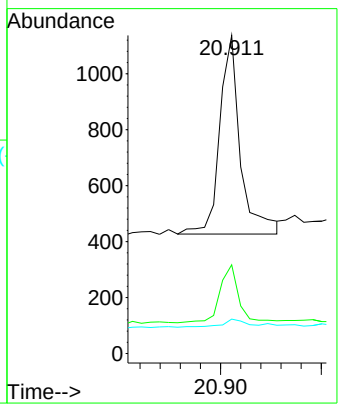
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.088 ng
RT: 20.911 min Scan# 22
Delta R.T. -0.000 min
Lab File: BN035719.D
Acq: 20 Dec 2024 00:10

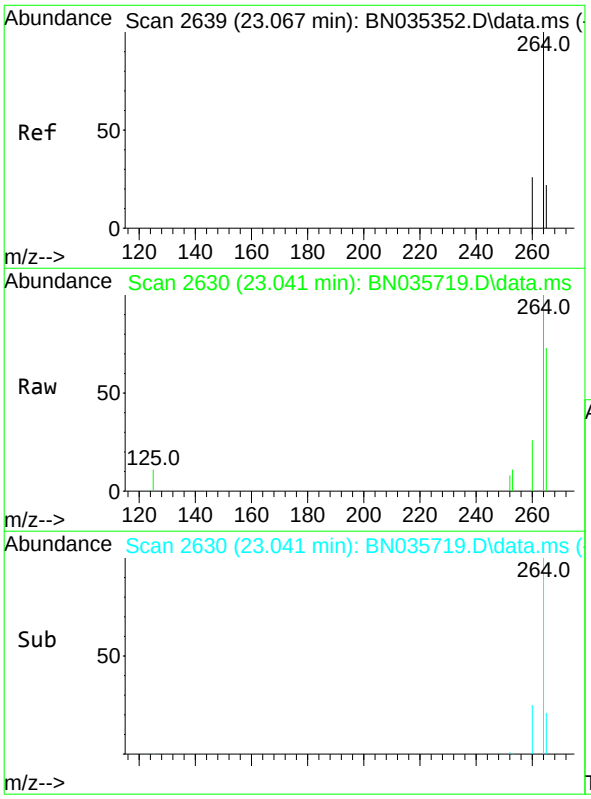
Tgt Ion:149 Resp: 1011

Ion	Ratio	Lower	Upper
149	100		
167	26.6	22.2	33.4
279	4.6	2.7	4.1#

Instrument :
BNA_N
ClientSampleId :
RE103D3-20241209

Manual Integrations
APPROVED
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

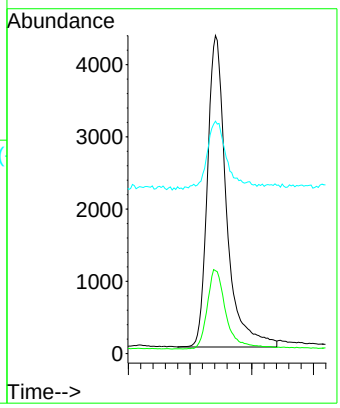




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.041 min Scan# 2630
Delta R.T. -0.000 min
Lab File: BN035719.D
Acq: 20 Dec 2024 00:10

Tgt Ion:264 Resp: 9222

Ion	Ratio	Lower	Upper
264	100		
260	26.1	21.4	32.2
265	73.1	40.2	60.4#



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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/09/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/11/24
Client Sample ID:	RE134D1-20241209	SDG No.:	P5261
Lab Sample ID:	P5261-07	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035720.D	1	12/12/24 10:30	12/20/24 00:46	PB165596

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.84		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.33		30 - 150		82%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.41		30 - 150		102%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.37		55 - 111		92%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.30		53 - 106		75%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.56	*	58 - 132		140%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2990	7.272				
1146-65-2	Naphthalene-d8	8240	10.02				
15067-26-2	Acenaphthene-d10	5410	13.935				
1517-22-2	Phenanthrene-d10	10700	16.698				
1719-03-5	Chrysene-d12	9460	20.956				
1520-96-3	Perylene-d12	10400	23.038				

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_N\Data\BN121924\
Data File : BN035720.D
Acq On : 20 Dec 2024 00:46
Operator : RC/JU
Sample : P5261-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE134D1-20241209

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

Quant Time: Dec 20 01:46:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.272	152	2993	0.400	ng	0.00
7) Naphthalene-d8	10.020	136	8239	0.400	ng	# 0.00
13) Acenaphthene-d10	13.935	164	5412	0.400	ng	0.00
19) Phenanthrene-d10	16.698	188	10731	0.400	ng	# 0.00
29) Chrysene-d12	20.956	240	9459	0.400	ng	0.00
35) Perylene-d12	23.038	264	10379	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.939	112	799	0.107	ng	0.00
5) Phenol-d6	6.492	99	479	0.053	ng	0.00
8) Nitrobenzene-d5	8.418	82	1850m	0.368	ng	0.01
11) 2-Methylnaphthalene-d10	11.621	152	4230	0.328	ng	0.00
14) 2,4,6-Tribromophenol	15.453	330	733	0.191	ng	0.00
15) 2-Fluorobiphenyl	12.539	172	6104	0.298	ng	0.00
27) Fluoranthene-d10	18.761	212	12378	0.407	ng	0.00
31) Terphenyl-d14	19.389	244	10441	0.560	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.982	88	2349	0.821	ng	96
34) Bis(2-ethylhexyl)phtha...	20.911	149	1039	0.080	ng	# 98

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

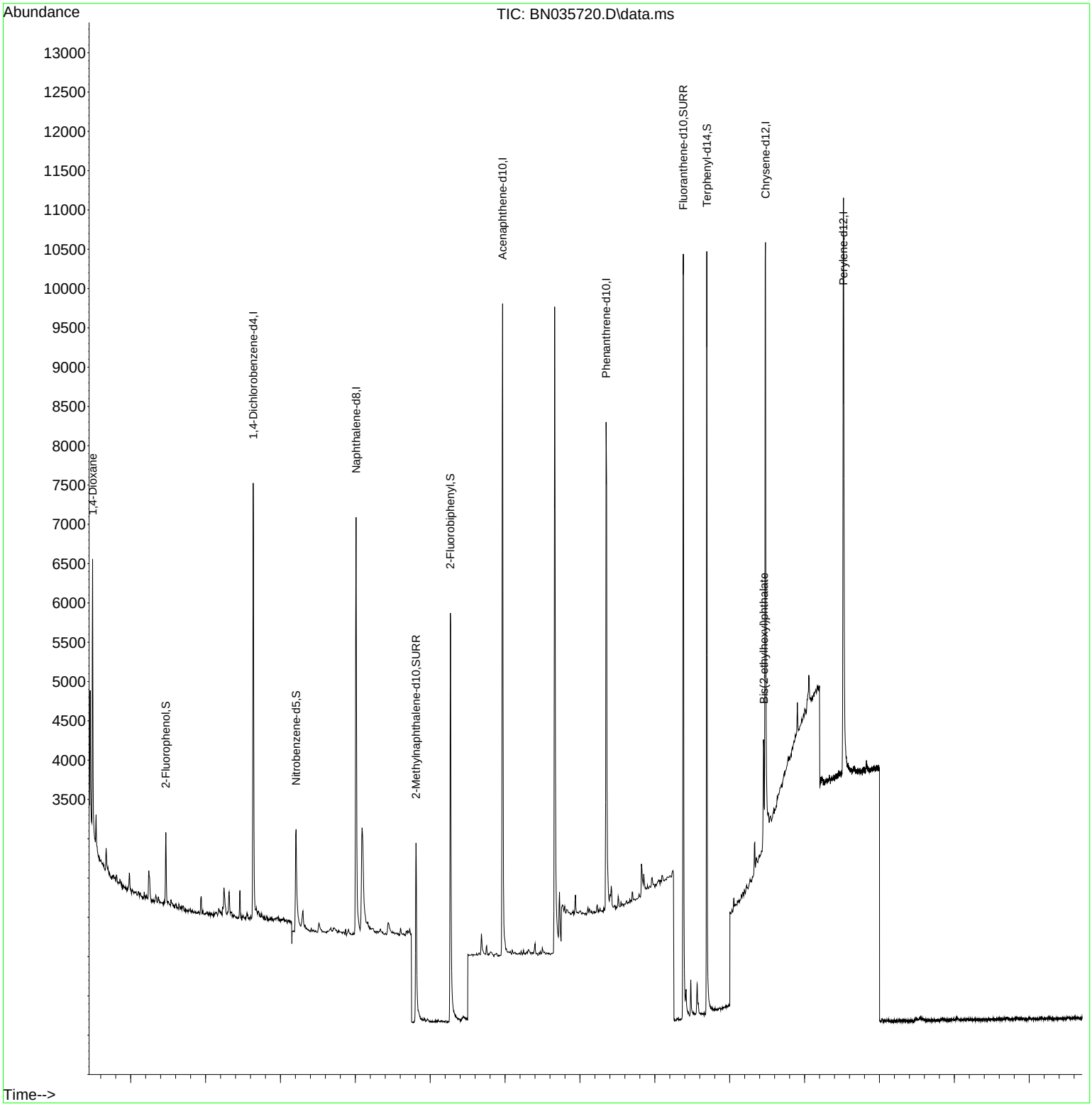
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035720.D
Acq On : 20 Dec 2024 00:46
Operator : RC/JU
Sample : P5261-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

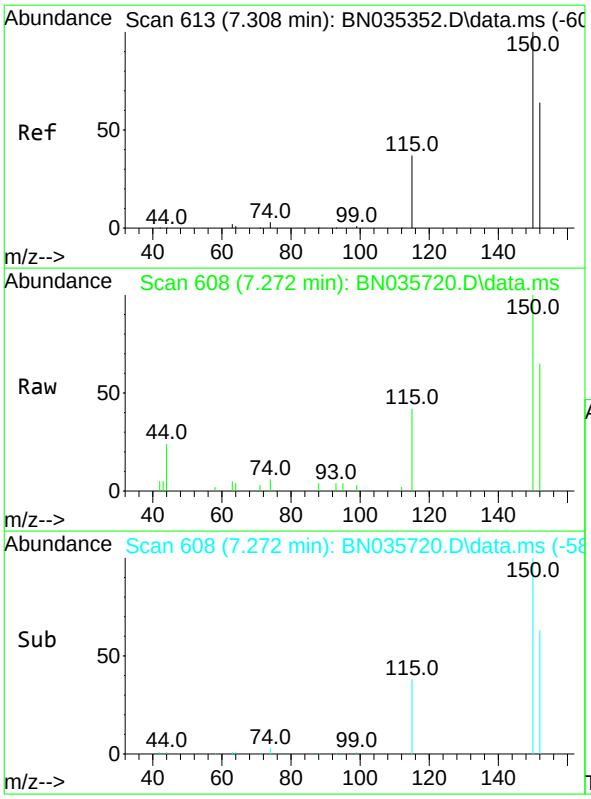
Quant Time: Dec 20 01:46:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
RE134D1-20241209

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

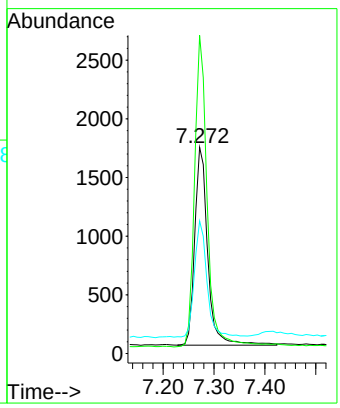




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.272 min Scan# 60
Delta R.T. -0.000 min
Lab File: BN035720.D
Acq: 20 Dec 2024 00:46

Tgt Ion:152 Resp: 2993

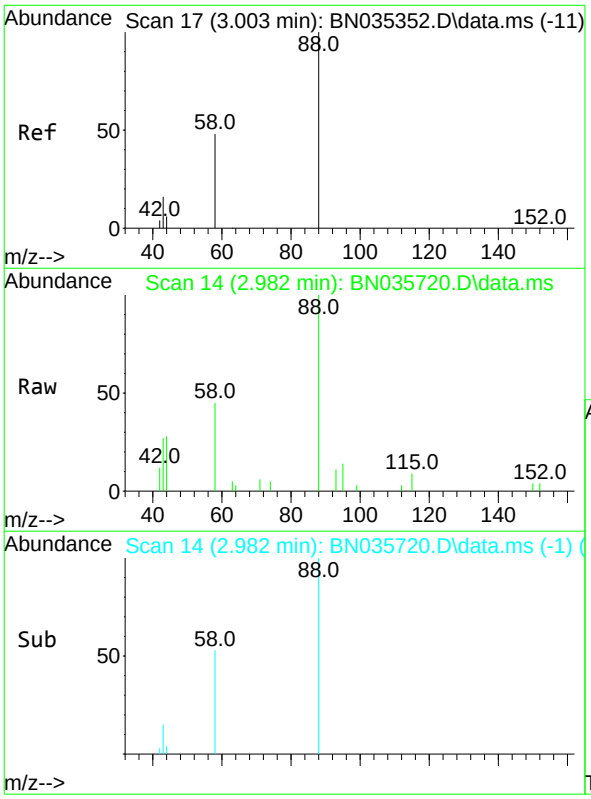
Ion	Ratio	Lower	Upper
152	100		
150	154.2	124.0	186.0
115	64.3	49.6	74.4



Instrument :
BNA_N
ClientSampleId :
RE134D1-20241209

Manual Integrations
APPROVED

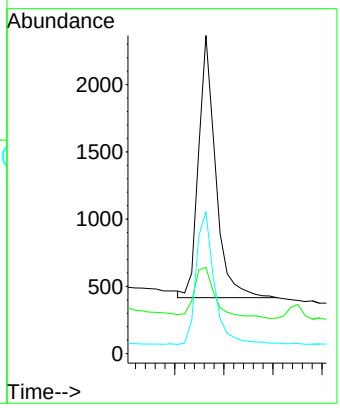
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

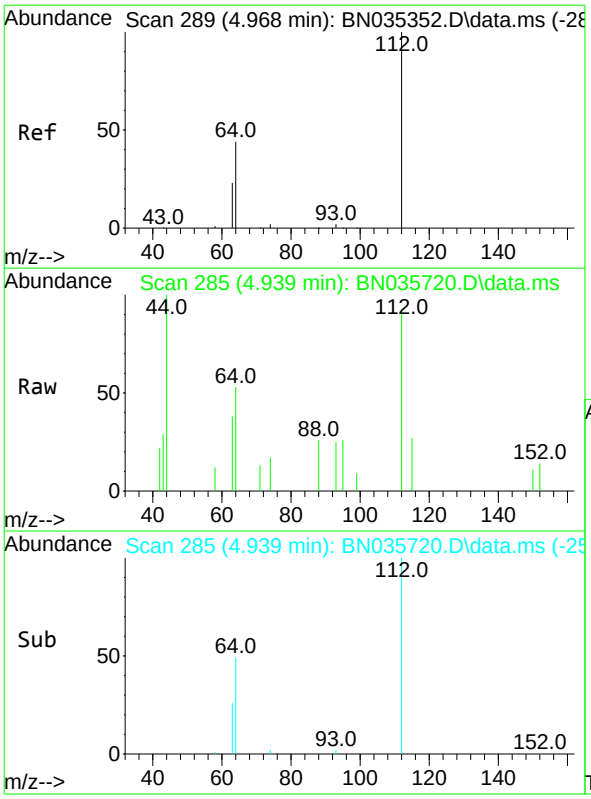


#2
1,4-Dioxane
Concen: 0.821 ng
RT: 2.982 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035720.D
Acq: 20 Dec 2024 00:46

Tgt Ion: 88 Resp: 2349

Ion	Ratio	Lower	Upper
88	100		
43	24.7	17.2	25.8
58	53.9	44.5	66.7

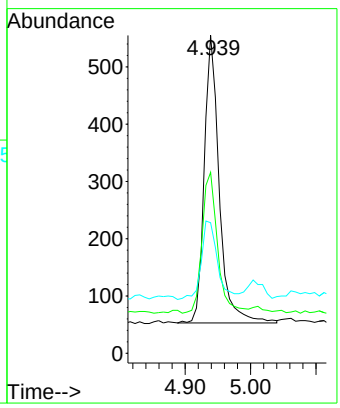




#4
2-Fluorophenol
Concen: 0.107 ng
RT: 4.939 min Scan# 28
Delta R.T. -0.000 min
Lab File: BN035720.D
Acq: 20 Dec 2024 00:46

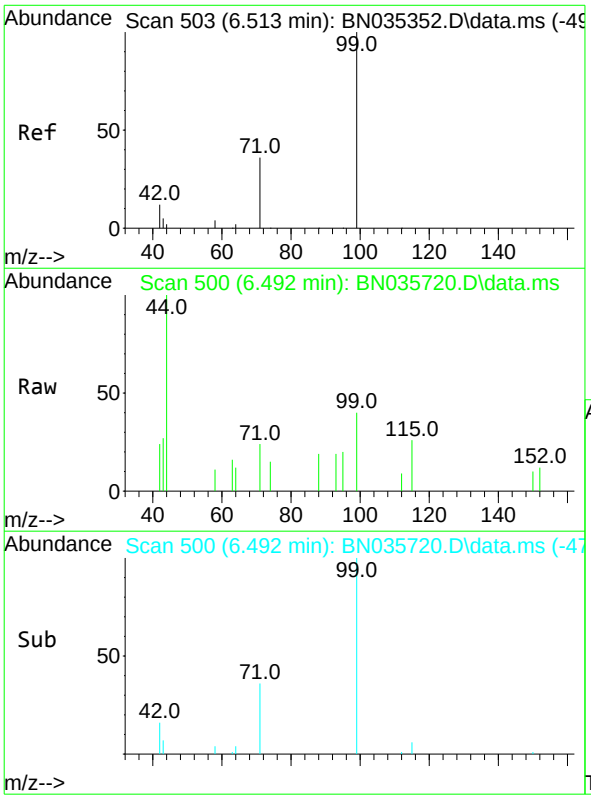
Tgt Ion:112 Resp: 799

Ion	Ratio	Lower	Upper
112	100		
64	50.6	39.8	59.8
63	29.2	21.0	31.6



Instrument :
BNA_N
ClientSampleId :
RE134D1-20241209

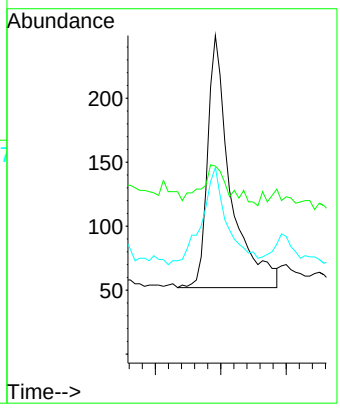
Manual Integrations
APPROVED
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

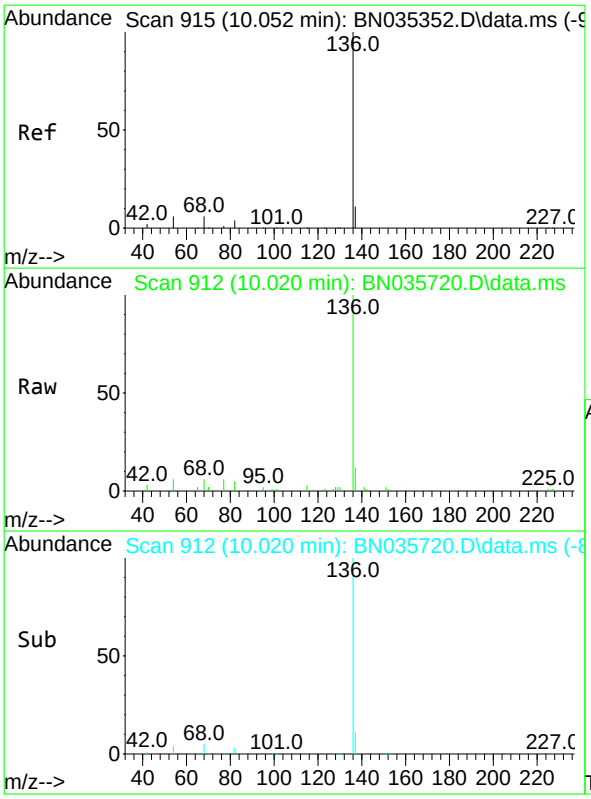


#5
Phenol-d6
Concen: 0.053 ng
RT: 6.492 min Scan# 500
Delta R.T. -0.000 min
Lab File: BN035720.D
Acq: 20 Dec 2024 00:46

Tgt Ion: 99 Resp: 479

Ion	Ratio	Lower	Upper
99	100		
42	21.5	11.4	17.2#
71	42.8	29.3	43.9

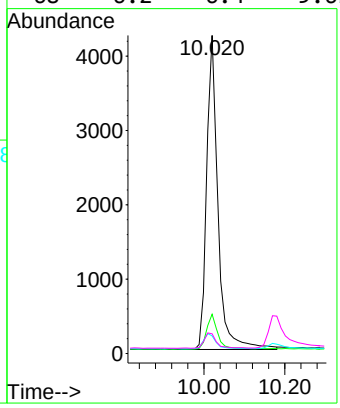




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.020 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN035720.D
Acq: 20 Dec 2024 00:46

Tgt Ion:136 Resp: 8239

Ion	Ratio	Lower	Upper
136	100		
137	12.3	10.2	15.2
54	5.5	6.1	9.1#
68	6.2	6.4	9.6#



Instrument :
BNA_N
ClientSampleId :
RE134D1-20241209

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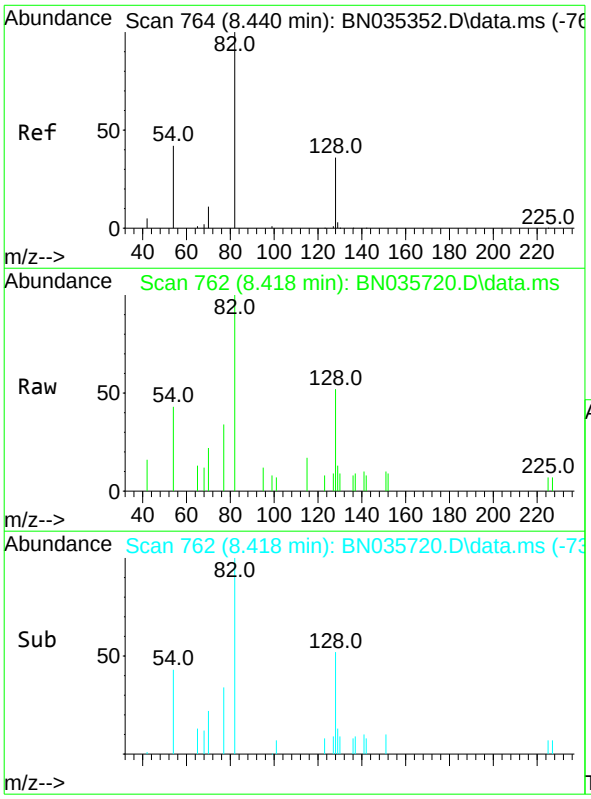
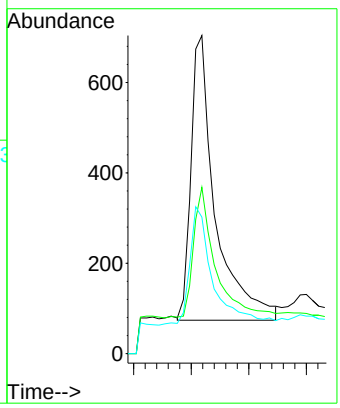
Supervised By :mohammad ahmed 12/24/2024

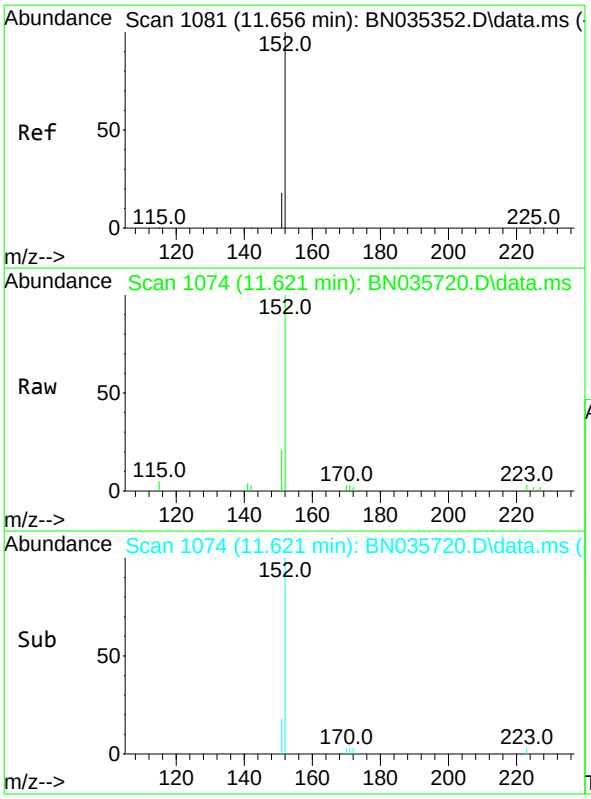


#8
Nitrobenzene-d5
Concen: 0.368 ng m
RT: 8.418 min Scan# 762
Delta R.T. 0.011 min
Lab File: BN035720.D
Acq: 20 Dec 2024 00:46

Tgt Ion: 82 Resp: 1850

Ion	Ratio	Lower	Upper
82	100		
128	52.3	33.4	50.0#
54	42.9	36.7	55.1

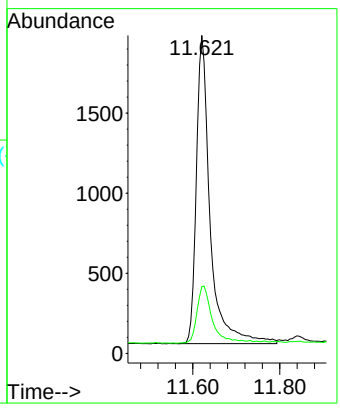




#11
2-Methylnaphthalene-d10
Concen: 0.328 ng
RT: 11.621 min Scan# 10
Delta R.T. -0.000 min
Lab File: BN035720.D
Acq: 20 Dec 2024 00:46

Tgt Ion:152 Resp: 4230

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.6	25.0



Instrument :
BNA_N
ClientSampleId :
RE134D1-20241209

Manual Integrations
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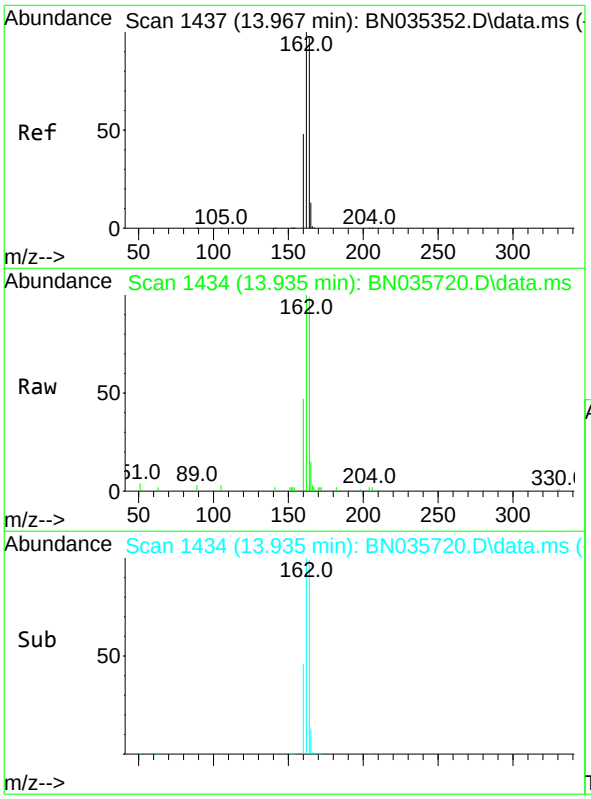
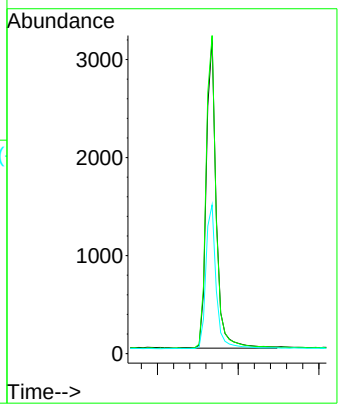
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

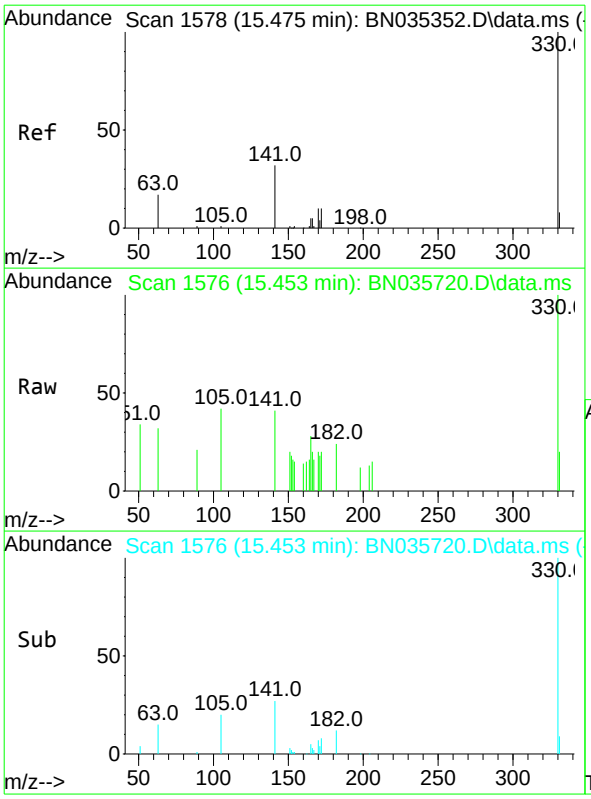


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.935 min Scan# 1434
Delta R.T. -0.000 min
Lab File: BN035720.D
Acq: 20 Dec 2024 00:46

Tgt Ion:164 Resp: 5412

Ion	Ratio	Lower	Upper
164	100		
162	101.2	82.2	123.2
160	47.3	40.1	60.1

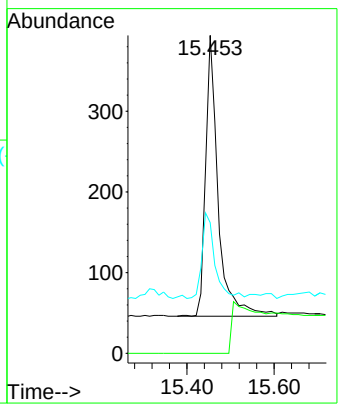




#14
2,4,6-Tribromophenol
Concen: 0.191 ng
RT: 15.453 min Scan# 15
Delta R.T. -0.000 min
Lab File: BN035720.D
Acq: 20 Dec 2024 00:46

Tgt Ion:330 Resp: 733

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	30.3	26.6	40.0



Instrument :
BNA_N
ClientSampleId :
RE134D1-20241209

Manual Integrations
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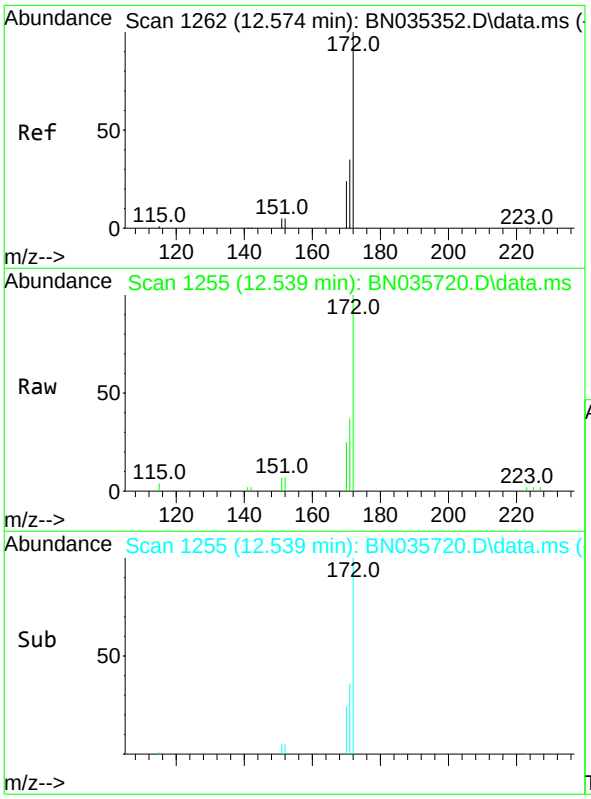
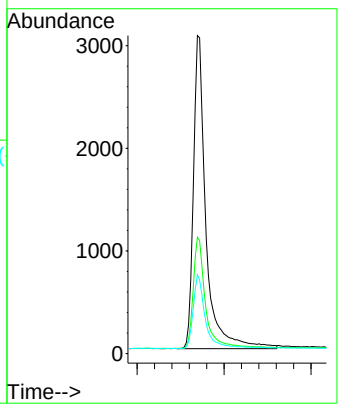
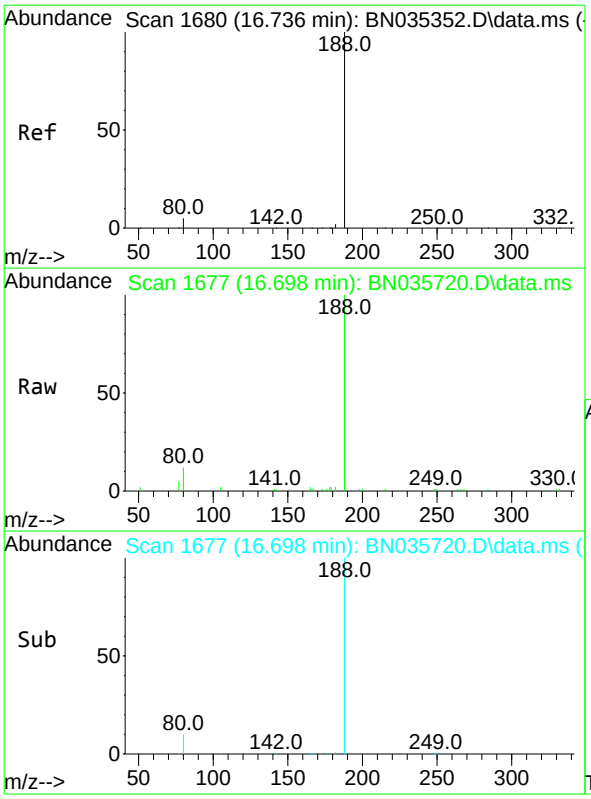


#15
2-Fluorobiphenyl
Concen: 0.298 ng
RT: 12.539 min Scan# 1255
Delta R.T. -0.005 min
Lab File: BN035720.D
Acq: 20 Dec 2024 00:46

Tgt Ion:172 Resp: 6104

Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.0	43.4
170	24.8	19.8	29.8

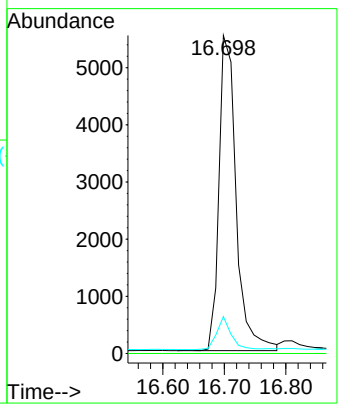




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.698 min Scan# 16
Delta R.T. -0.000 min
Lab File: BN035720.D
Acq: 20 Dec 2024 00:46

Tgt Ion:188 Resp: 10731

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.6	4.6	6.8#



Instrument :
BNA_N
ClientSampleId :
RE134D1-20241209

Manual Integrations
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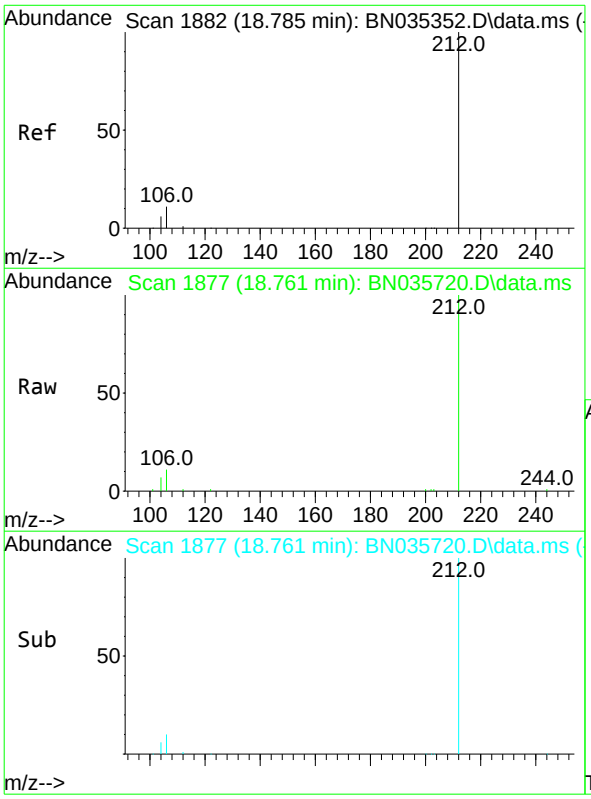
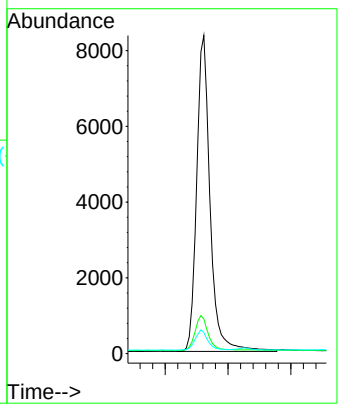
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

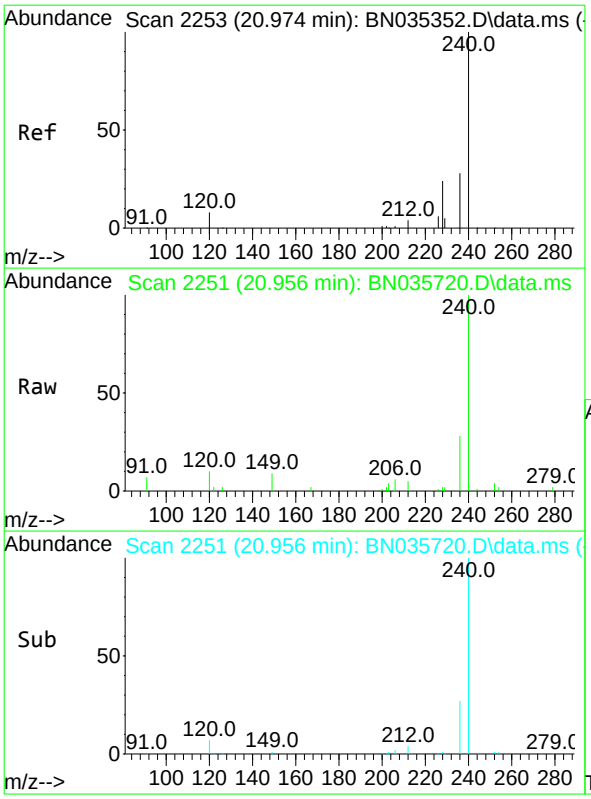


#27
Fluoranthene-d10
Concen: 0.407 ng
RT: 18.761 min Scan# 1877
Delta R.T. -0.000 min
Lab File: BN035720.D
Acq: 20 Dec 2024 00:46

Tgt Ion:212 Resp: 12378

Ion	Ratio	Lower	Upper
212	100		
106	11.0	9.2	13.8
104	6.0	5.3	7.9

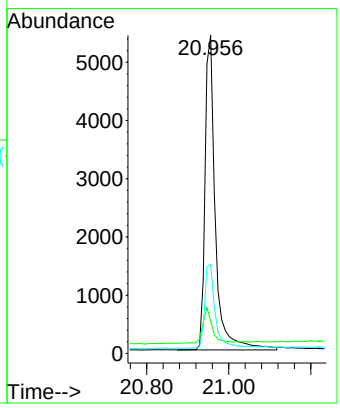




#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.956 min Scan# 22
Delta R.T. -0.000 min
Lab File: BN035720.D
Acq: 20 Dec 2024 00:46

Tgt Ion:240 Resp: 9459

Ion	Ratio	Lower	Upper
240	100		
120	10.2	7.9	11.9
236	28.1	22.9	34.3



Instrument :
BNA_N
ClientSampleId :
RE134D1-20241209

Manual Integrations
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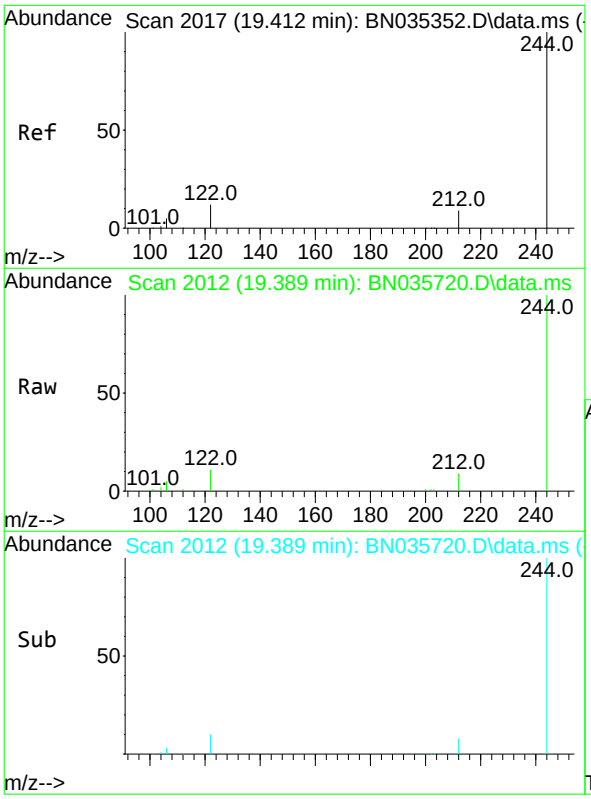
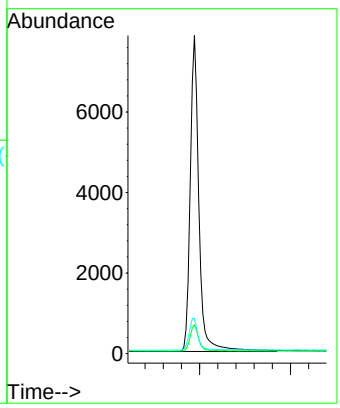
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

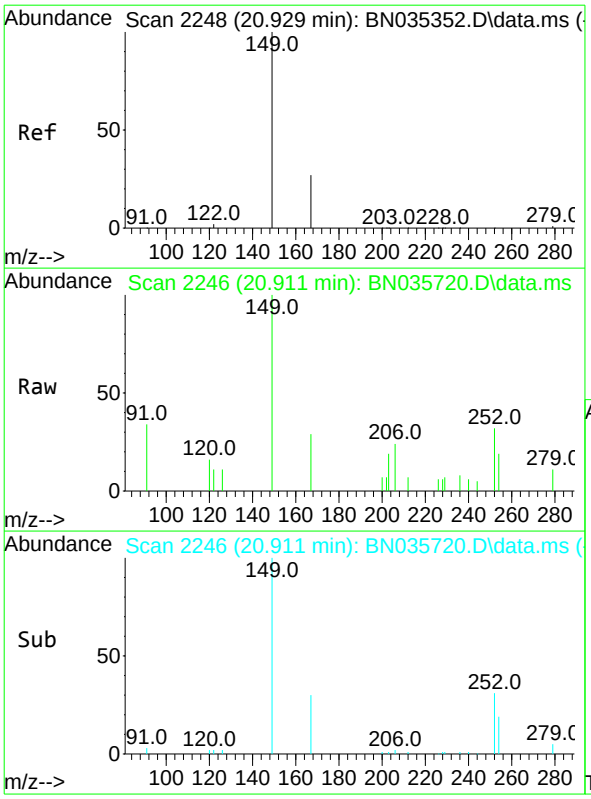


#31
Terphenyl-d14
Concen: 0.560 ng
RT: 19.389 min Scan# 2012
Delta R.T. -0.000 min
Lab File: BN035720.D
Acq: 20 Dec 2024 00:46

Tgt Ion:244 Resp: 10441

Ion	Ratio	Lower	Upper
244	100		
212	9.1	8.1	12.1
122	11.1	10.3	15.5





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.080 ng
RT: 20.911 min Scan# 22
Delta R.T. -0.000 min
Lab File: BN035720.D
Acq: 20 Dec 2024 00:46

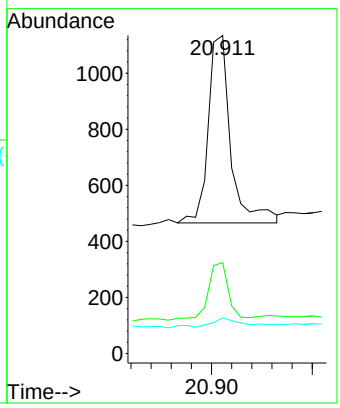
Tgt Ion:149 Resp: 1039

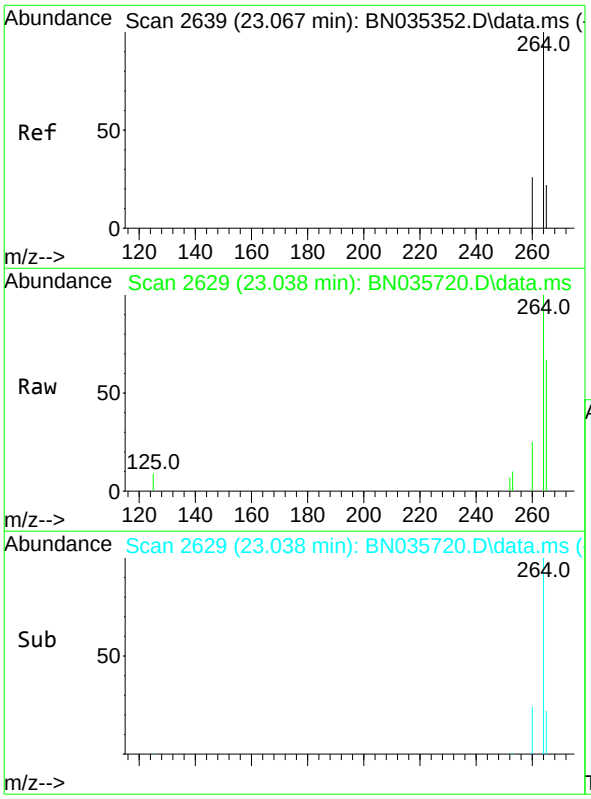
Ion	Ratio	Lower	Upper
149	100		
167	27.9	22.2	33.4
279	8.7	2.7	4.1#

Instrument :
BNA_N
ClientSampleId :
RE134D1-20241209

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

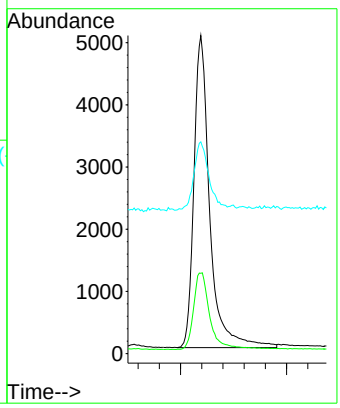




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.038 min Scan# 2629
Delta R.T. -0.003 min
Lab File: BN035720.D
Acq: 20 Dec 2024 00:46

Tgt Ion:264 Resp: 10379

Ion	Ratio	Lower	Upper
264	100		
260	25.3	21.4	32.2
265	66.6	40.2	60.4#



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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/09/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/11/24
Client Sample ID:	DUP-01-20241209	SDG No.:	P5261
Lab Sample ID:	P5261-08	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035721.D	1	12/12/24 10:30	12/20/24 01:22	PB165596

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.95		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.40		30 - 150		99%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.49		30 - 150		122%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.43		55 - 111		108%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.37		53 - 106		92%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.74	*	58 - 132		186%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3370	7.272				
1146-65-2	Naphthalene-d8	8950	10.02				
15067-26-2	Acenaphthene-d10	5790	13.935				
1517-22-2	Phenanthrene-d10	10500	16.711				
1719-03-5	Chrysene-d12	9570	20.956				
1520-96-3	Perylene-d12	10400	23.038				

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_N\Data\BN121924\
Data File : BN035721.D
Acq On : 20 Dec 2024 01:22
Operator : RC/JU
Sample : P5261-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DUP-01-20241209

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

Quant Time: Dec 20 02:56:22 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.272	152	3370	0.400	ng	0.00
7) Naphthalene-d8	10.020	136	8947	0.400	ng	# 0.00
13) Acenaphthene-d10	13.935	164	5786	0.400	ng	0.00
19) Phenanthrene-d10	16.711	188	10480	0.400	ng	# 0.01
29) Chrysene-d12	20.956	240	9572	0.400	ng	0.00
35) Perylene-d12	23.038	264	10429	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.939	112	1063	0.126	ng	0.00
5) Phenol-d6	6.492	99	609	0.060	ng	0.00
8) Nitrobenzene-d5	8.408	82	2356m	0.431	ng	0.00
11) 2-Methylnaphthalene-d10	11.621	152	5533	0.395	ng	0.00
14) 2,4,6-Tribromophenol	15.453	330	931	0.227	ng	0.00
15) 2-Fluorobiphenyl	12.544	172	8064	0.369	ng	0.00
27) Fluoranthene-d10	18.761	212	14533	0.489	ng	0.00
31) Terphenyl-d14	19.389	244	14039	0.743	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.982	88	3037	0.943	ng	99
34) Bis(2-ethylhexyl)phtha...	20.911	149	1934	0.146	ng	# 97

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035721.D
Acq On : 20 Dec 2024 01:22
Operator : RC/JU
Sample : P5261-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 20 02:56:22 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
DUP-01-20241209

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/21/2024
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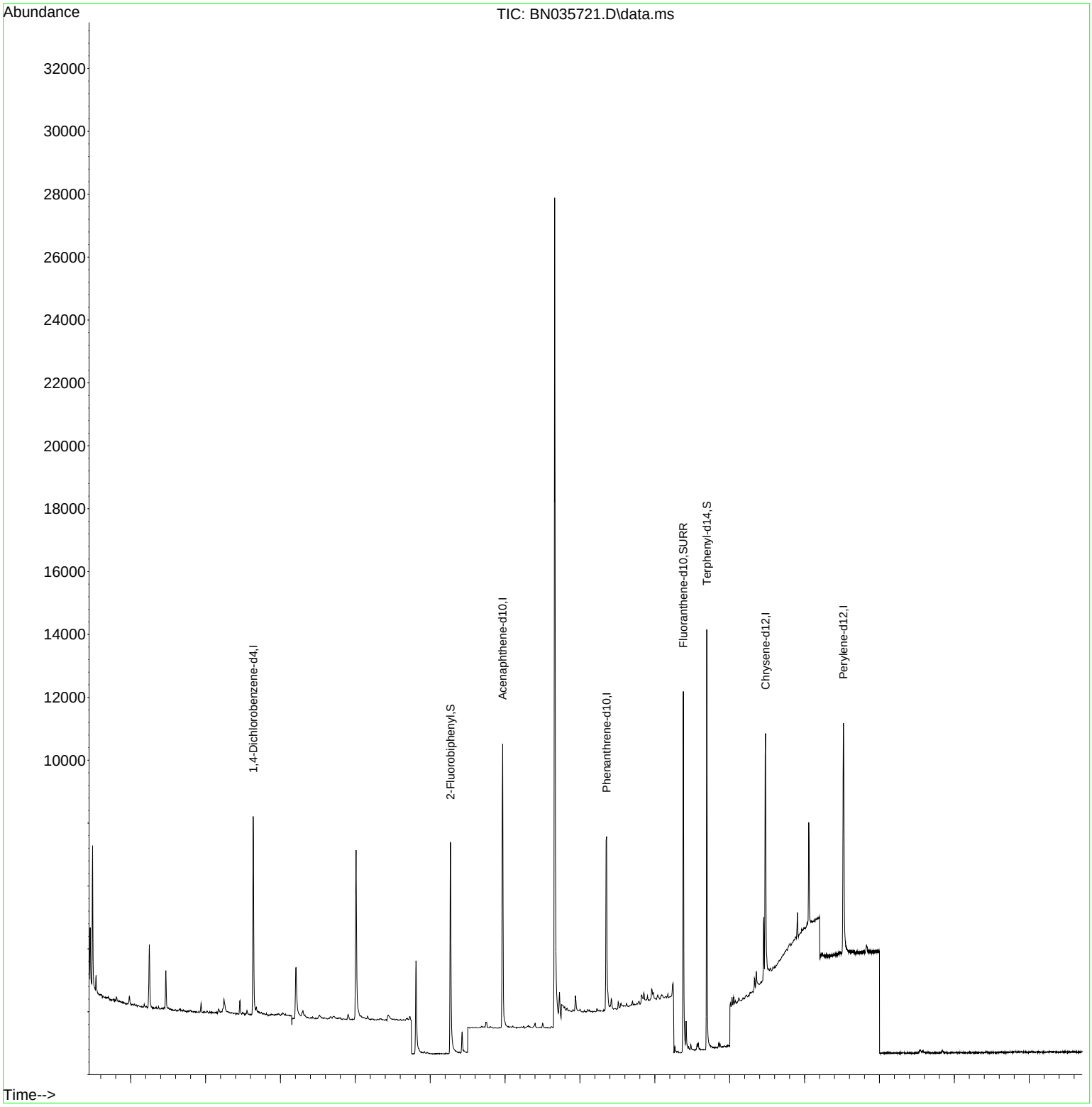
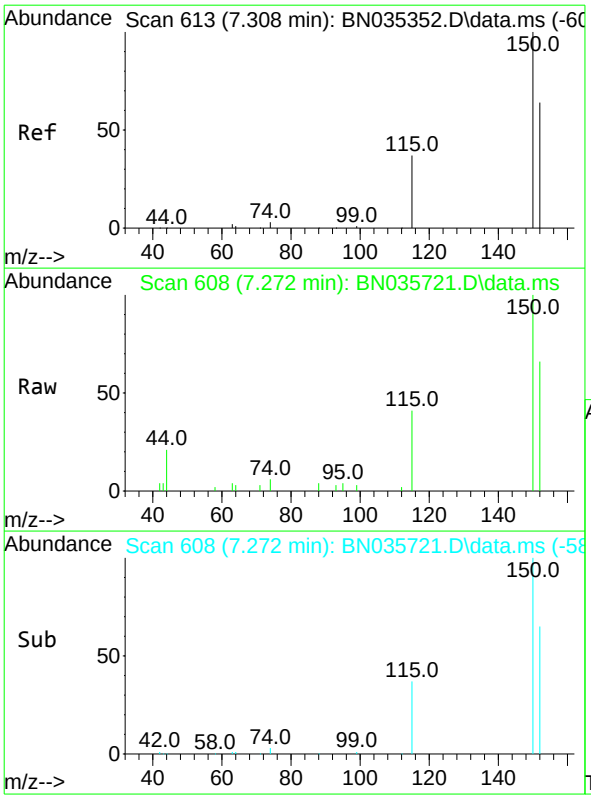
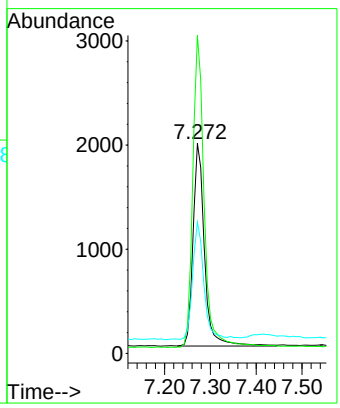




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.272 min Scan# 60
Delta R.T. -0.000 min
Lab File: BN035721.D
Acq: 20 Dec 2024 01:22

Tgt Ion:152 Resp: 3370

Ion	Ratio	Lower	Upper
152	100		
150	151.4	124.0	186.0
115	62.5	49.6	74.4



Instrument :
BNA_N
ClientSampleId :
DUP-01-20241209

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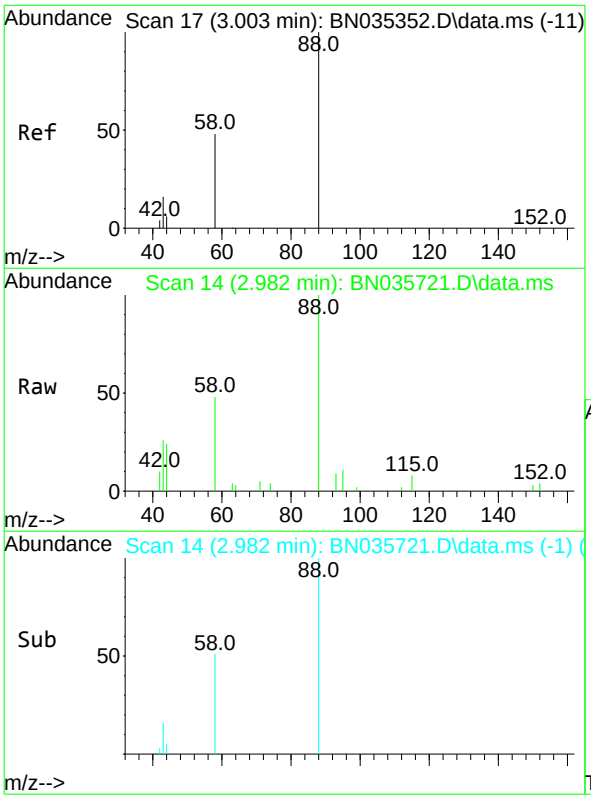
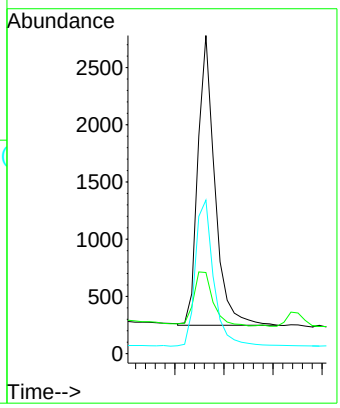
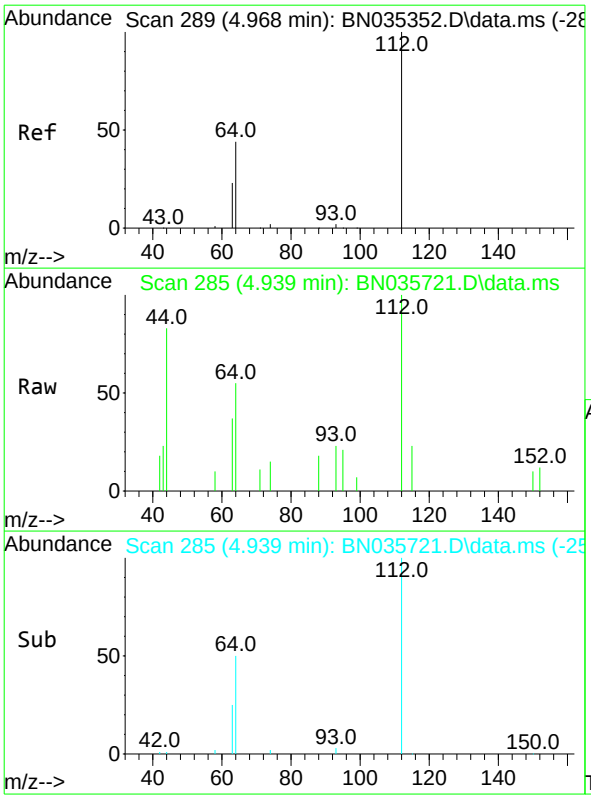


#2
1,4-Dioxane
Concen: 0.943 ng
RT: 2.982 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035721.D
Acq: 20 Dec 2024 01:22

Tgt Ion: 88 Resp: 3037

Ion	Ratio	Lower	Upper
88	100		
43	21.0	17.2	25.8
58	54.7	44.5	66.7

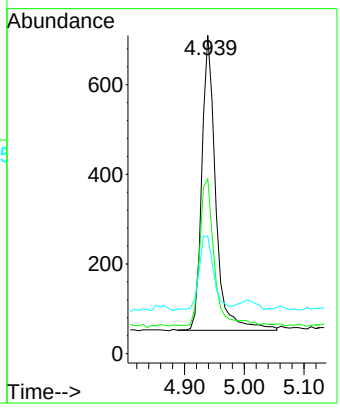




#4
2-Fluorophenol
Concen: 0.126 ng
RT: 4.939 min Scan# 28
Delta R.T. -0.000 min
Lab File: BN035721.D
Acq: 20 Dec 2024 01:22

Tgt Ion:112 Resp: 1063

Ion	Ratio	Lower	Upper
112	100		
64	52.0	39.8	59.8
63	27.4	21.0	31.6



Instrument :
BNA_N
ClientSampleId :
DUP-01-20241209

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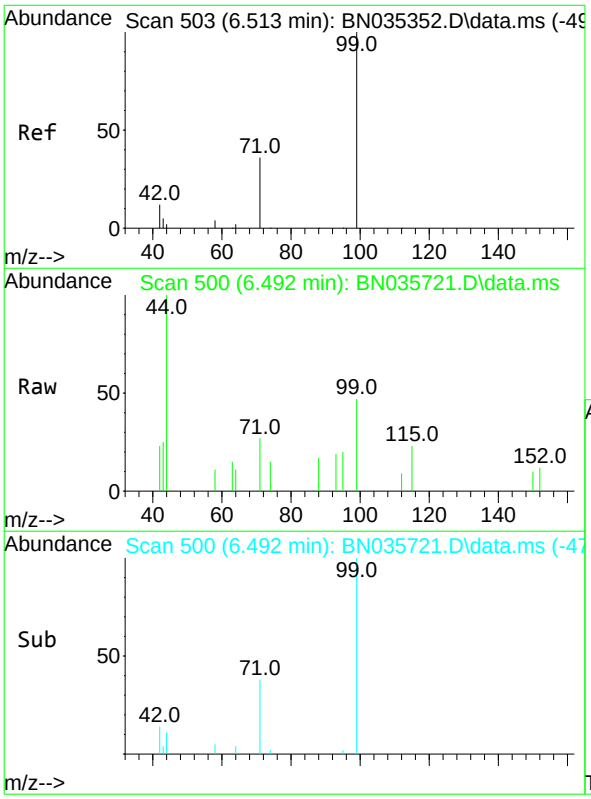
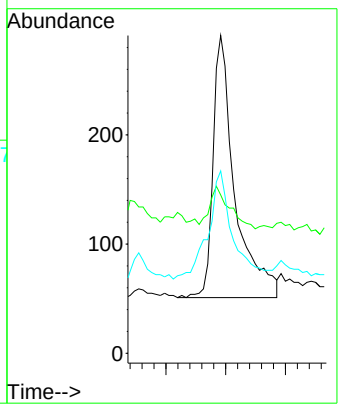
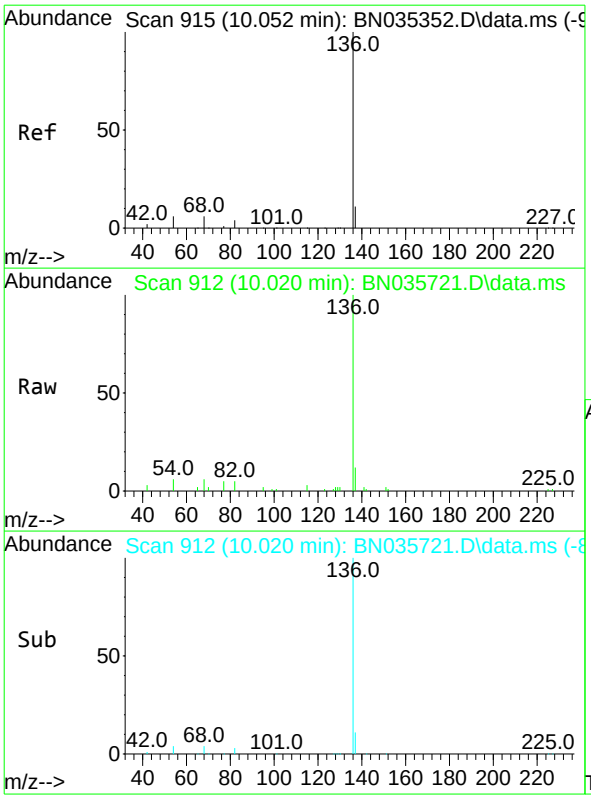


#5
Phenol-d6
Concen: 0.060 ng
RT: 6.492 min Scan# 500
Delta R.T. -0.000 min
Lab File: BN035721.D
Acq: 20 Dec 2024 01:22

Tgt Ion: 99 Resp: 609

Ion	Ratio	Lower	Upper
99	100		
42	18.6	11.4	17.2#
71	45.8	29.3	43.9#

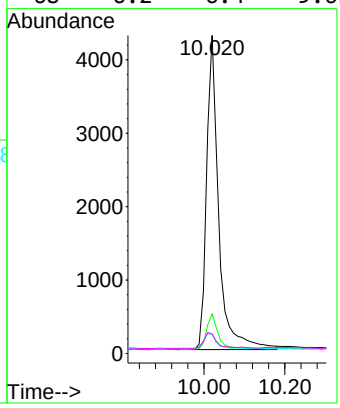




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.020 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN035721.D
Acq: 20 Dec 2024 01:22

Tgt Ion:136 Resp: 8947

Ion	Ratio	Lower	Upper
136	100		
137	12.3	10.2	15.2
54	5.9	6.1	9.1#
68	6.2	6.4	9.6#



Instrument :
BNA_N
ClientSampleId :
DUP-01-20241209

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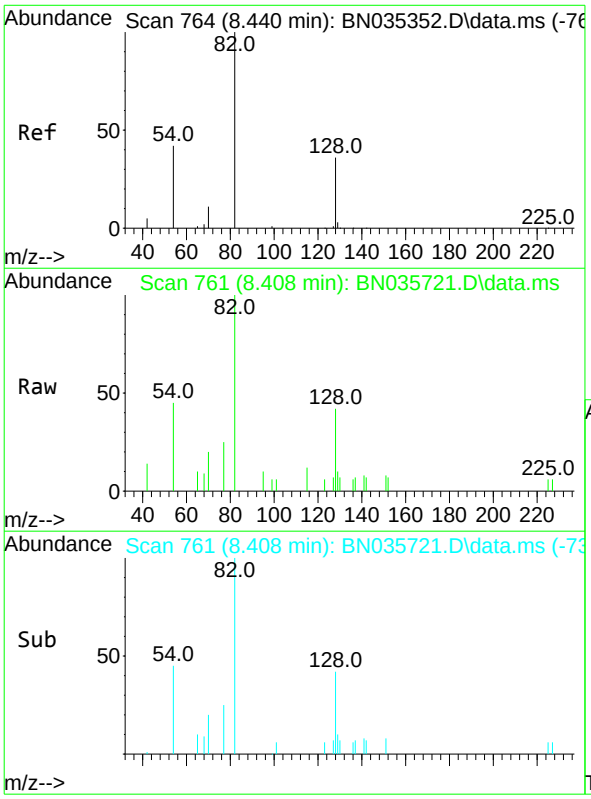
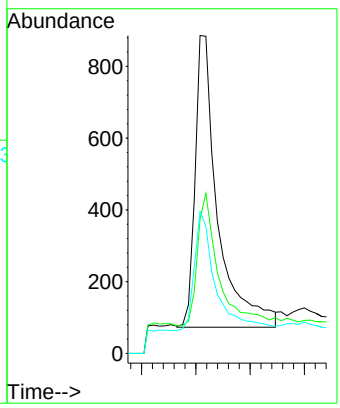
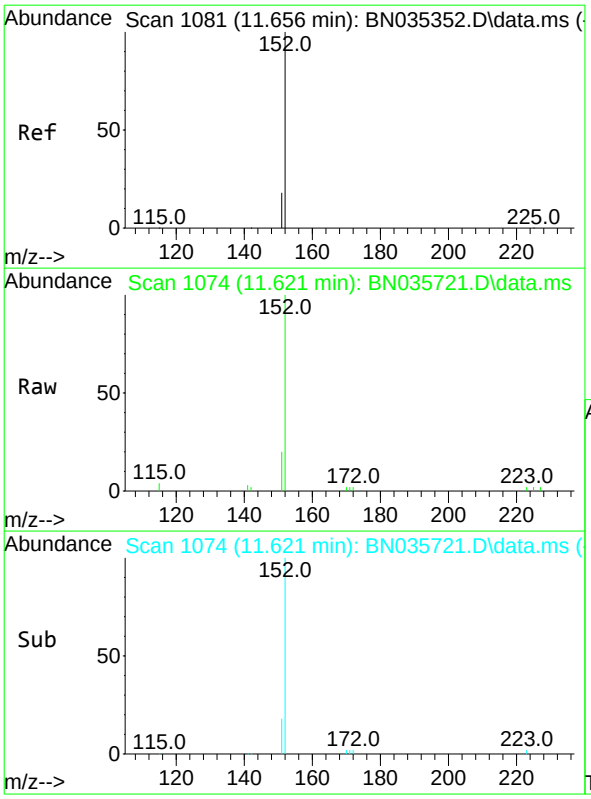


#8
Nitrobenzene-d5
Concen: 0.431 ng m
RT: 8.408 min Scan# 761
Delta R.T. -0.000 min
Lab File: BN035721.D
Acq: 20 Dec 2024 01:22

Tgt Ion: 82 Resp: 2356

Ion	Ratio	Lower	Upper
82	100		
128	42.3	33.4	50.0
54	44.6	36.7	55.1

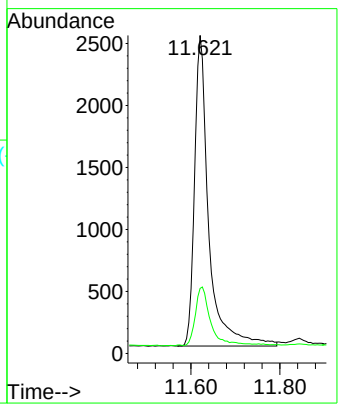




#11
2-Methylnaphthalene-d10
Concen: 0.395 ng
RT: 11.621 min Scan# 10
Delta R.T. -0.000 min
Lab File: BN035721.D
Acq: 20 Dec 2024 01:22

Tgt Ion:152 Resp: 5533

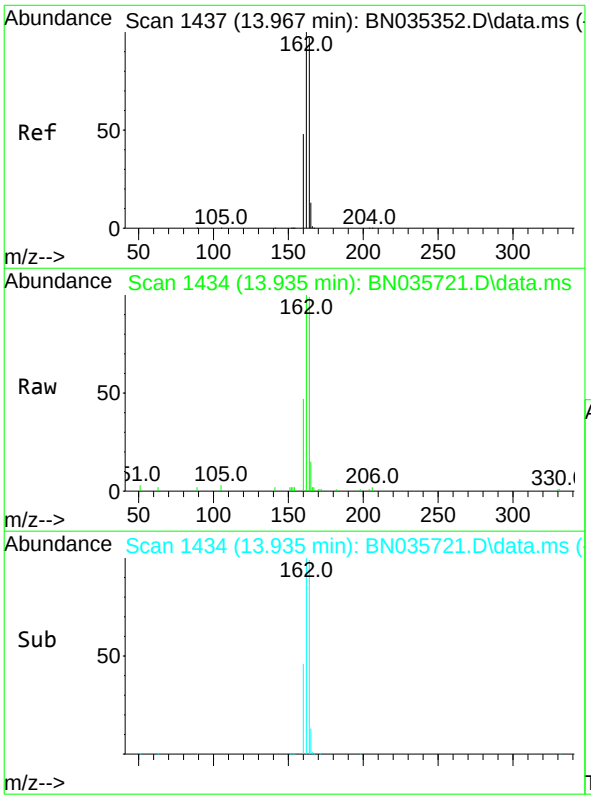
Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.6	25.0



Instrument :
BNA_N
ClientSampleId :
DUP-01-20241209

Manual Integrations APPROVED

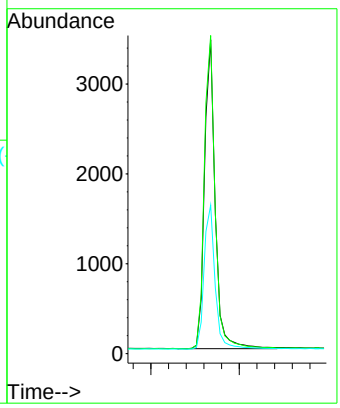
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

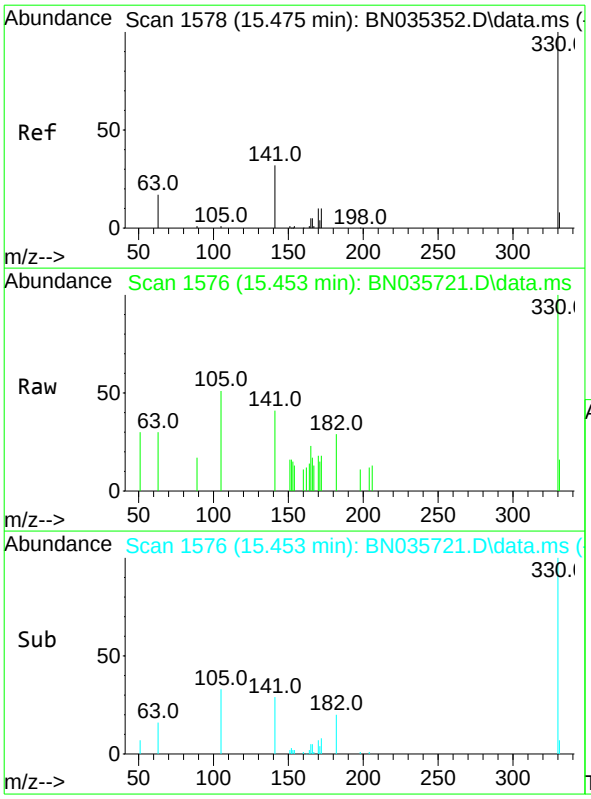


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.935 min Scan# 1434
Delta R.T. -0.000 min
Lab File: BN035721.D
Acq: 20 Dec 2024 01:22

Tgt Ion:164 Resp: 5786

Ion	Ratio	Lower	Upper
164	100		
162	101.3	82.2	123.2
160	47.3	40.1	60.1

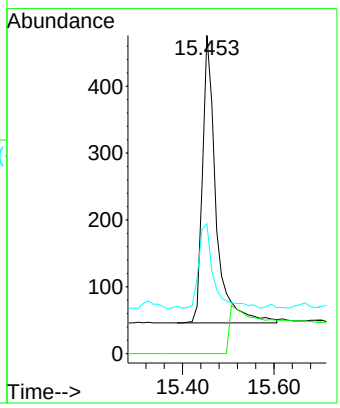




#14
2,4,6-Tribromophenol
Concen: 0.227 ng
RT: 15.453 min Scan# 15
Delta R.T. -0.000 min
Lab File: BN035721.D
Acq: 20 Dec 2024 01:22

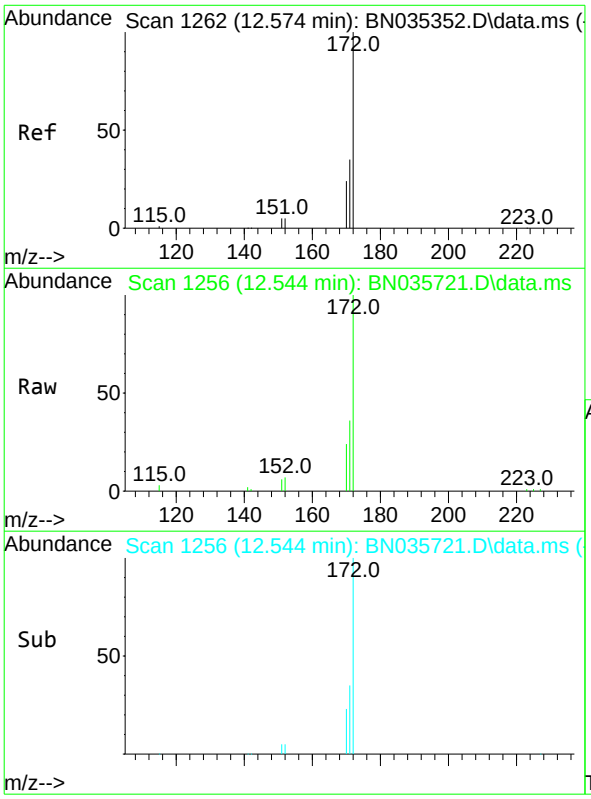
Tgt Ion:330 Resp: 931

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	31.6	26.6	40.0



Instrument :
BNA_N
ClientSampleId :
DUP-01-20241209

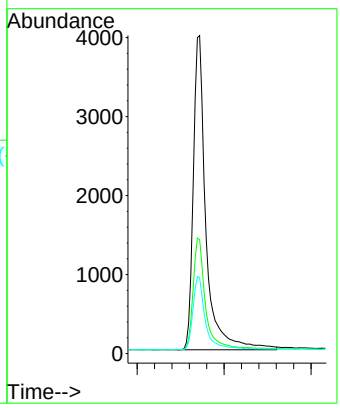
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

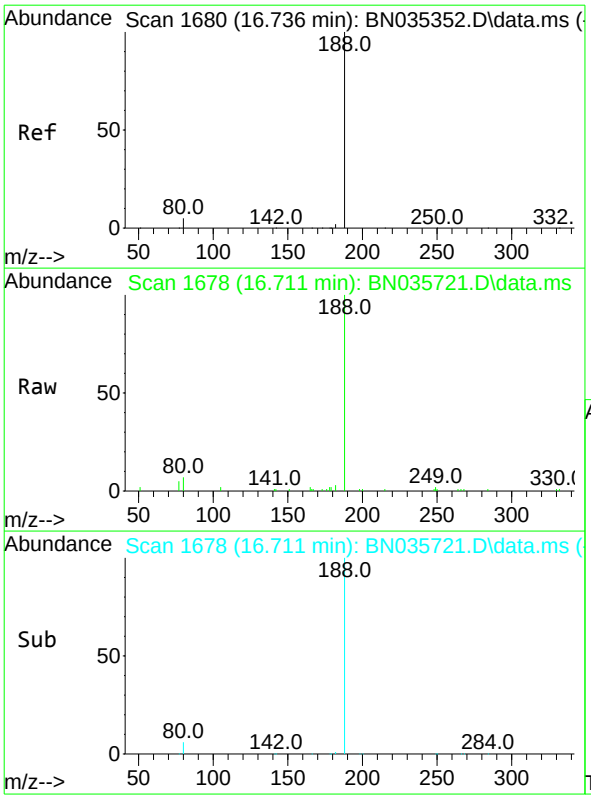


#15
2-Fluorobiphenyl
Concen: 0.369 ng
RT: 12.544 min Scan# 1256
Delta R.T. -0.000 min
Lab File: BN035721.D
Acq: 20 Dec 2024 01:22

Tgt Ion:172 Resp: 8064

Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.0	43.4
170	23.9	19.8	29.8

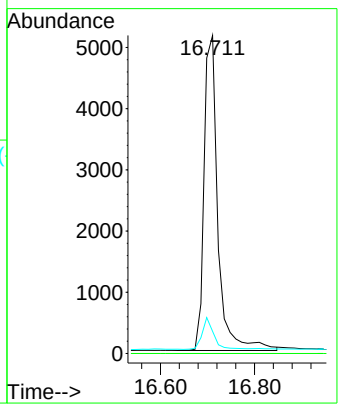




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.711 min Scan# 16
Delta R.T. 0.012 min
Lab File: BN035721.D
Acq: 20 Dec 2024 01:22

Tgt Ion:188 Resp: 10480

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.0	4.6	6.8#



Instrument :
BNA_N
ClientSampleId :
DUP-01-20241209

Manual Integrations
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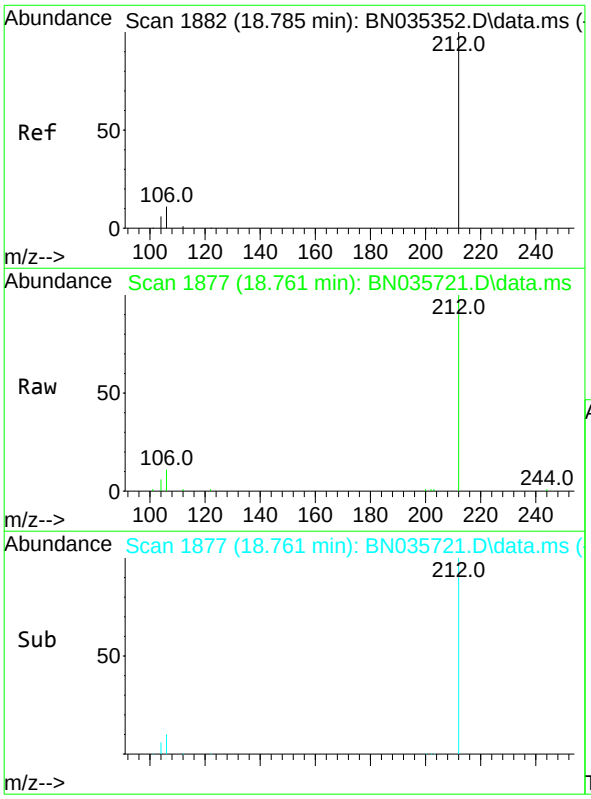
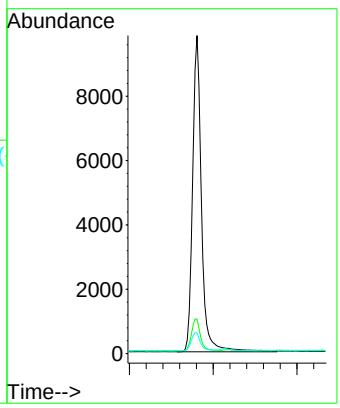
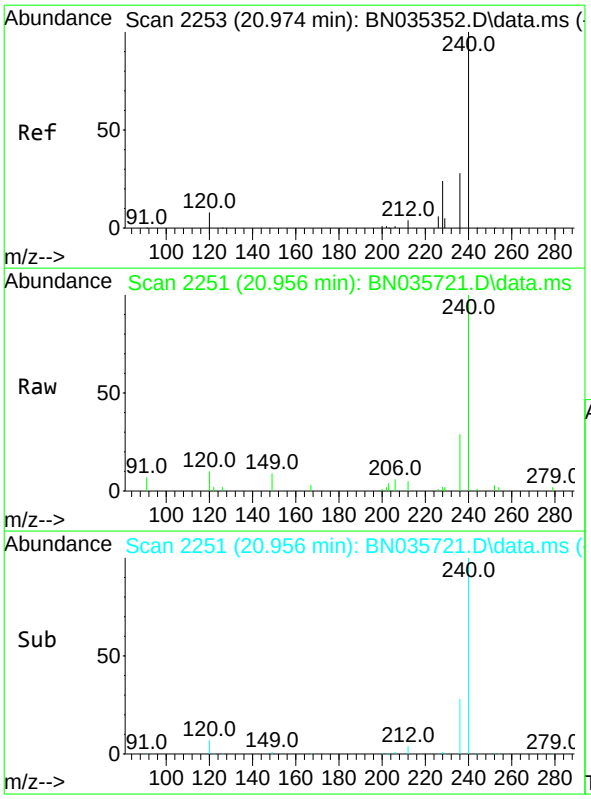


#27
Fluoranthene-d10
Concen: 0.489 ng
RT: 18.761 min Scan# 1877
Delta R.T. -0.000 min
Lab File: BN035721.D
Acq: 20 Dec 2024 01:22

Tgt Ion:212 Resp: 14533

Ion	Ratio	Lower	Upper
212	100		
106	10.2	9.2	13.8
104	5.8	5.3	7.9





#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.956 min Scan# 22
Delta R.T. -0.000 min
Lab File: BN035721.D
Acq: 20 Dec 2024 01:22

Tgt Ion:240 Resp: 9572

Ion	Ratio	Lower	Upper
240	100		
120	10.3	7.9	11.9
236	28.8	22.9	34.3

Instrument :
BNA_N
ClientSampleId :
DUP-01-20241209

Manual Integrations APPROVED

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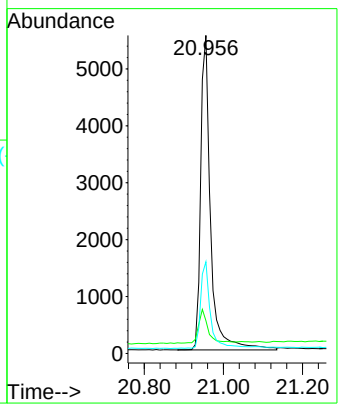
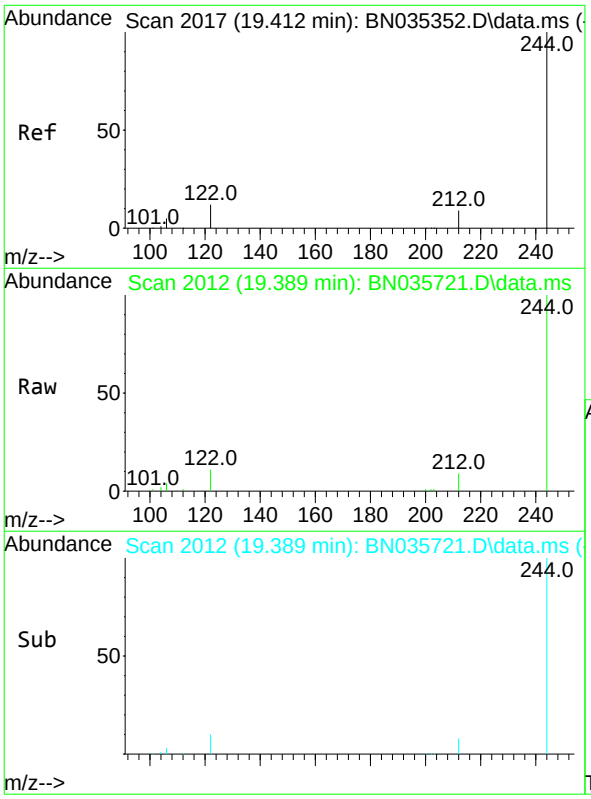
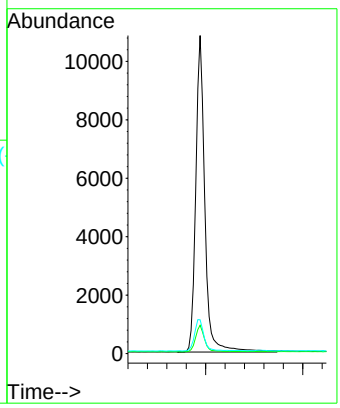


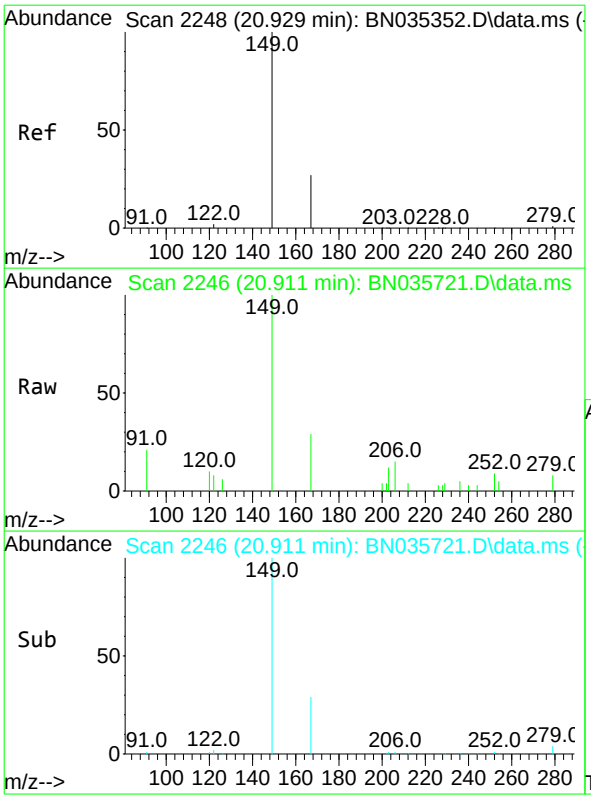


#31
Terphenyl-d14
Concen: 0.743 ng
RT: 19.389 min Scan# 2012
Delta R.T. -0.000 min
Lab File: BN035721.D
Acq: 20 Dec 2024 01:22

Tgt Ion:244 Resp: 14039

Ion	Ratio	Lower	Upper
244	100		
212	8.9	8.1	12.1
122	10.6	10.3	15.5





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.146 ng
RT: 20.911 min Scan# 22
Delta R.T. -0.000 min
Lab File: BN035721.D
Acq: 20 Dec 2024 01:22

Tgt Ion:149 Resp: 1934

Ion	Ratio	Lower	Upper
149	100		
167	29.1	22.2	33.4
279	5.0	2.7	4.1#

Instrument :
BNA_N
ClientSampleId :
DUP-01-20241209

Manual Integrations
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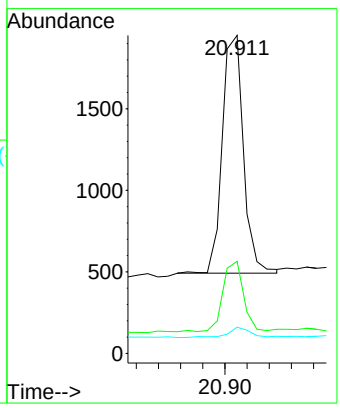
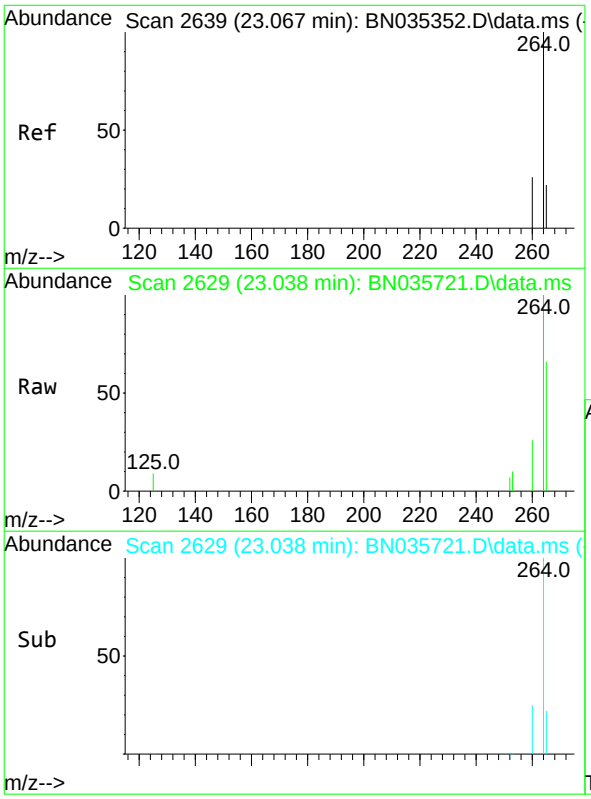
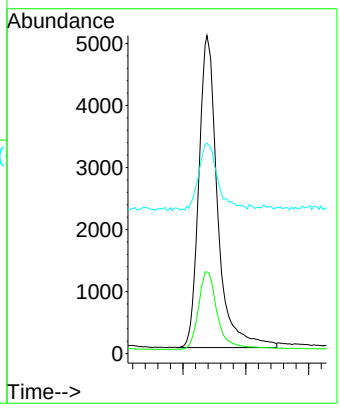




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.038 min Scan# 2629
Delta R.T. -0.003 min
Lab File: BN035721.D
Acq: 20 Dec 2024 01:22

Tgt Ion:264 Resp: 10429

Ion	Ratio	Lower	Upper
264	100		
260	25.6	21.4	32.2
265	66.1	40.2	60.4#



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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/10/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/11/24
Client Sample ID:	RE134D3-20241210	SDG No.:	P5261
Lab Sample ID:	P5261-09	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035722.D	1	12/12/24 10:30	12/20/24 01:58	PB165596

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	5.70	E	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.33		30 - 150		81%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.37		30 - 150		93%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.36		55 - 111		90%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.29		53 - 106		72%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.54	*	58 - 132		136%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3090	7.272				
1146-65-2	Naphthalene-d8	8300	10.02				
15067-26-2	Acenaphthene-d10	5670	13.935				
1517-22-2	Phenanthrene-d10	10900	16.698				
1719-03-5	Chrysene-d12	9530	20.956				
1520-96-3	Perylene-d12	10500	23.041				

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_N\Data\BN121924\
Data File : BN035722.D
Acq On : 20 Dec 2024 01:58
Operator : RC/JU
Sample : P5261-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 20 02:56:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
RE134D3-20241210

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.272	152	3093	0.400	ng		0.00
7) Naphthalene-d8	10.020	136	8301	0.400	ng	#	0.00
13) Acenaphthene-d10	13.935	164	5668	0.400	ng		0.00
19) Phenanthrene-d10	16.698	188	10939	0.400	ng	#	0.00
29) Chrysene-d12	20.956	240	9533	0.400	ng		0.00
35) Perylene-d12	23.041	264	10502	0.400	ng	#	0.00
System Monitoring Compounds							
4) 2-Fluorophenol	4.939	112	831	0.107	ng		0.00
5) Phenol-d6	6.492	99	451	0.048	ng		0.00
8) Nitrobenzene-d5	8.418	82	1827m	0.360	ng		0.01
11) 2-Methylnaphthalene-d10	11.621	152	4235	0.326	ng		0.00
14) 2,4,6-Tribromophenol	15.453	330	752	0.187	ng		0.00
15) 2-Fluorobiphenyl	12.539	172	6159	0.287	ng		0.00
27) Fluoranthene-d10	18.761	212	11492	0.371	ng		0.00
31) Terphenyl-d14	19.389	244	10221	0.544	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.982	88	16883	5.710	ng		99
34) Bis(2-ethylhexyl)phtha...	20.911	149	1118	0.085	ng	#	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035722.D
Acq On : 20 Dec 2024 01:58
Operator : RC/JU
Sample : P5261-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 20 02:56:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
RE134D3-20241210

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/21/2024
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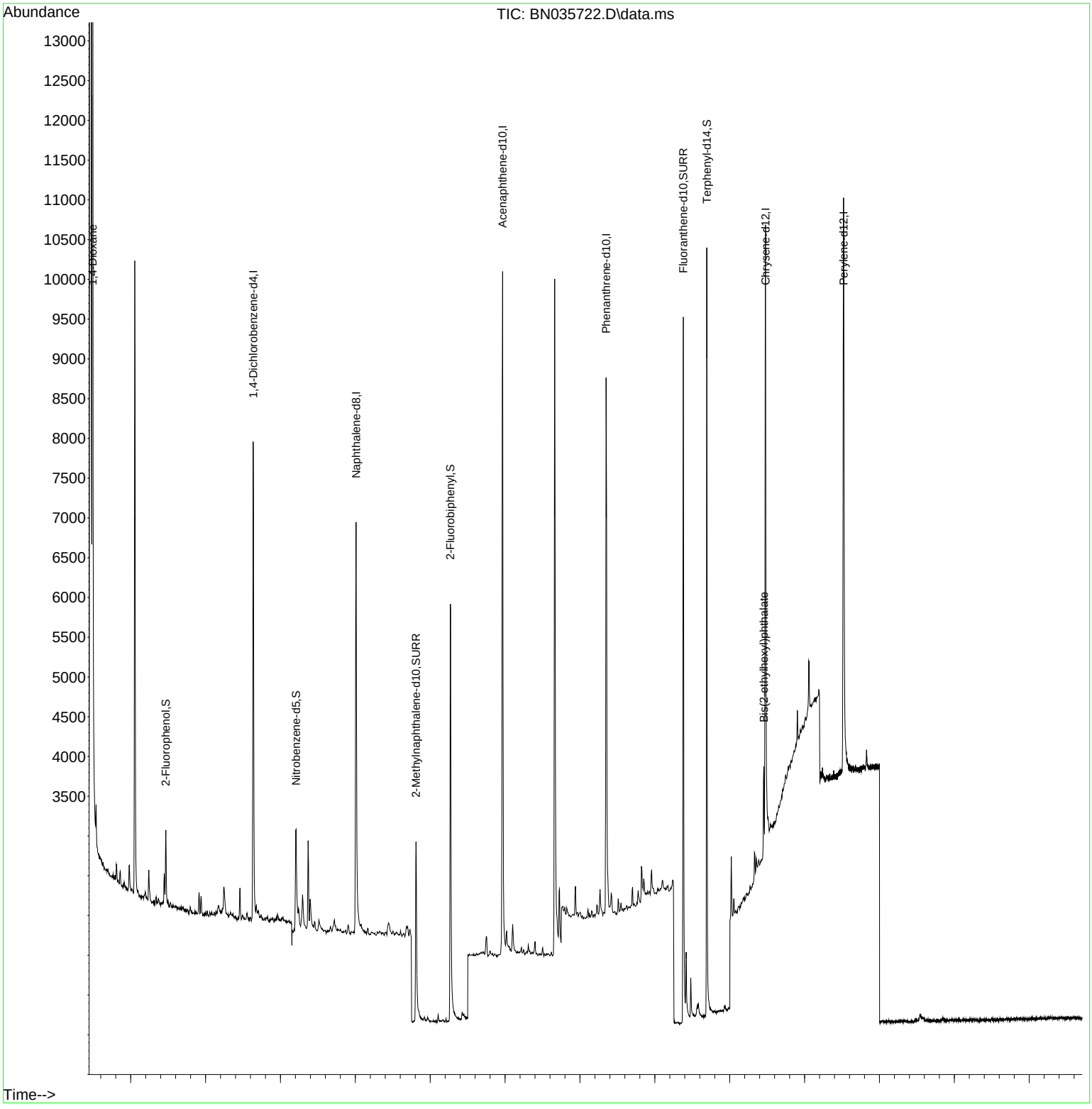
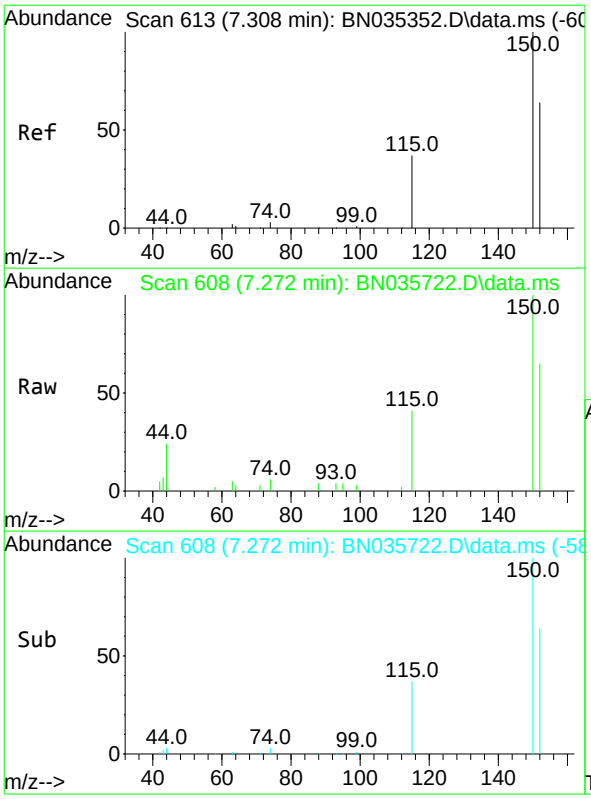
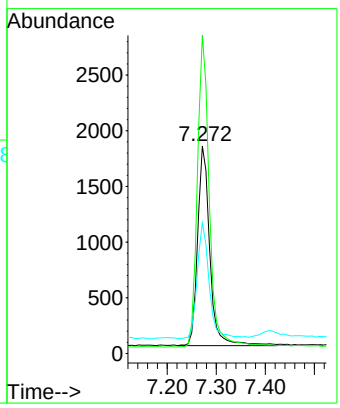




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.272 min Scan# 60
Delta R.T. -0.000 min
Lab File: BN035722.D
Acq: 20 Dec 2024 01:58

Tgt Ion:152 Resp: 3093

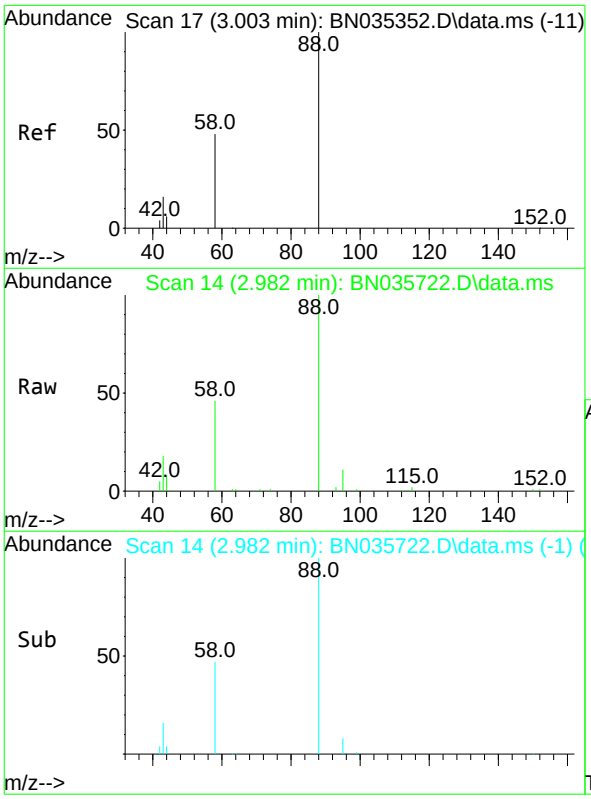
Ion	Ratio	Lower	Upper
152	100		
150	153.3	124.0	186.0
115	62.9	49.6	74.4



Instrument :
BNA_N
ClientSampleId :
RE134D3-20241210

Manual Integrations APPROVED

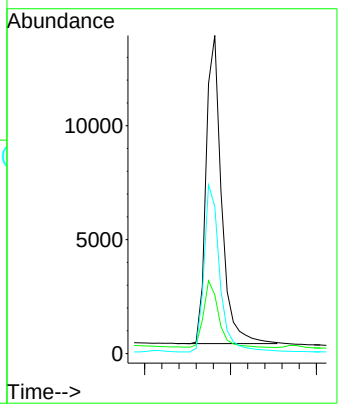
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

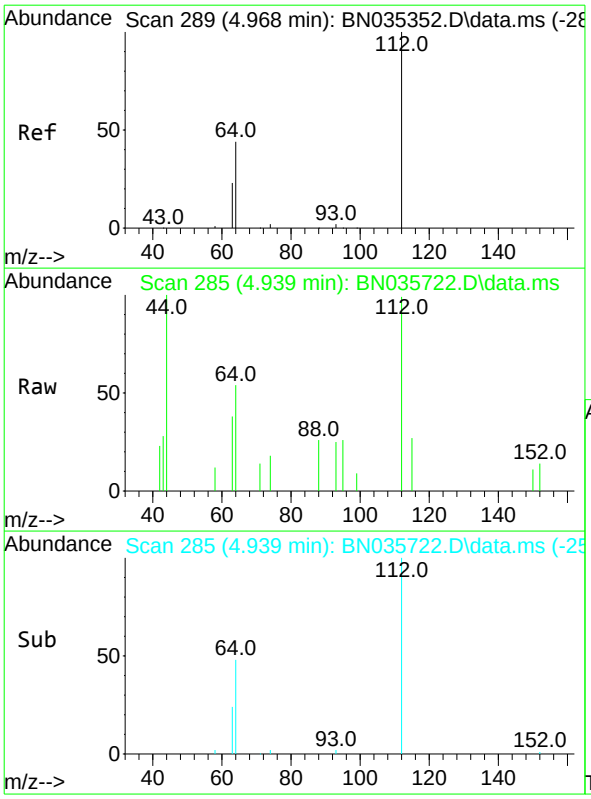


#2
1,4-Dioxane
Concen: 5.710 ng
RT: 2.982 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035722.D
Acq: 20 Dec 2024 01:58

Tgt Ion: 88 Resp: 16883

Ion	Ratio	Lower	Upper
88	100		
43	21.1	17.2	25.8
58	54.9	44.5	66.7





#4
2-Fluorophenol
Concen: 0.107 ng
RT: 4.939 min Scan# 28
Delta R.T. -0.000 min
Lab File: BN035722.D
Acq: 20 Dec 2024 01:58

Tgt Ion:112 Resp: 831

Ion	Ratio	Lower	Upper
112	100		
64	52.9	39.8	59.8
63	27.3	21.0	31.6

Instrument :
BNA_N
ClientSampleId :
RE134D3-20241210

Manual Integrations APPROVED

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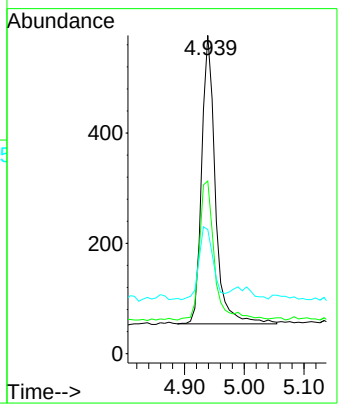
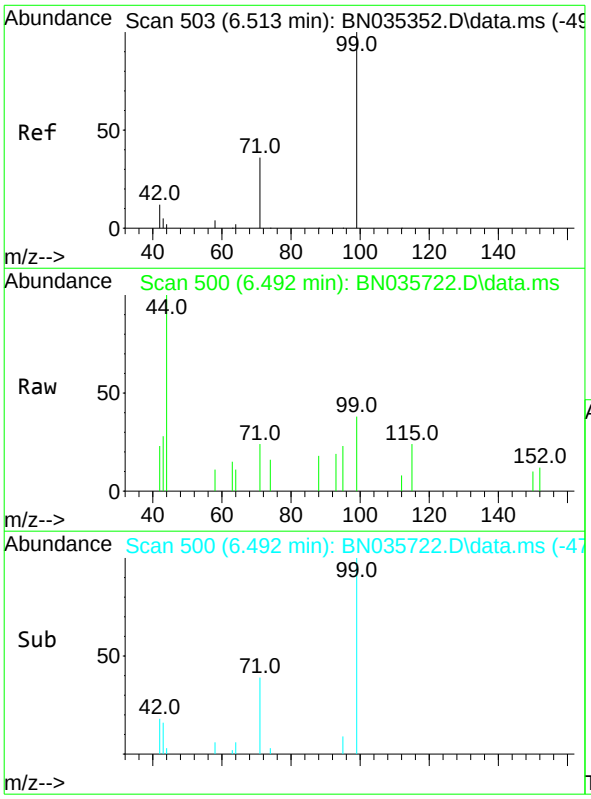
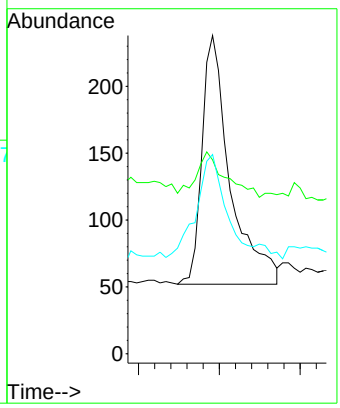


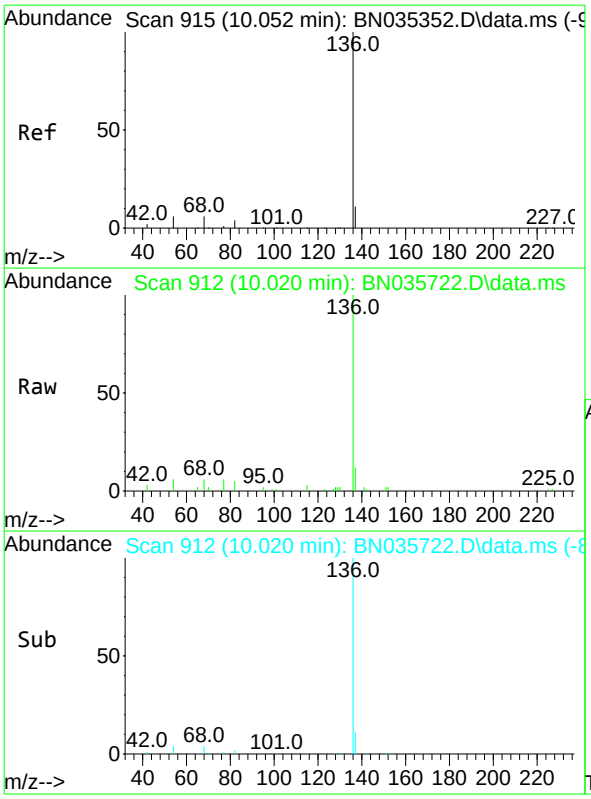


#5
Phenol-d6
Concen: 0.048 ng
RT: 6.492 min Scan# 500
Delta R.T. -0.000 min
Lab File: BN035722.D
Acq: 20 Dec 2024 01:58

Tgt Ion: 99 Resp: 451

Ion	Ratio	Lower	Upper
99	100		
42	16.0	11.4	17.2
71	47.7	29.3	43.9#

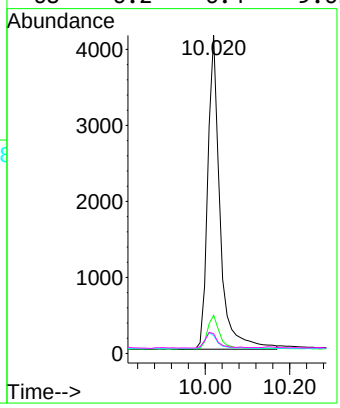




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.020 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN035722.D
Acq: 20 Dec 2024 01:58

Tgt Ion:136 Resp: 8301

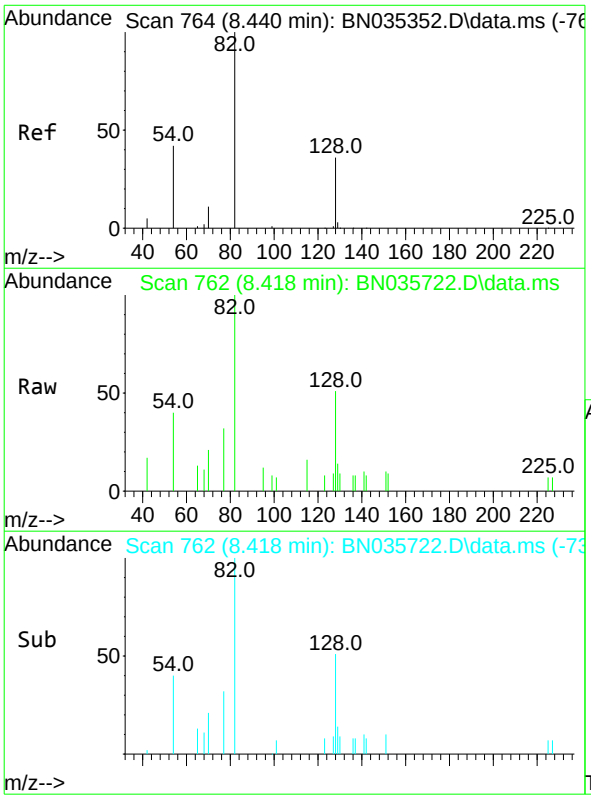
Ion	Ratio	Lower	Upper
136	100		
137	12.0	10.2	15.2
54	5.6	6.1	9.1#
68	6.2	6.4	9.6#



Instrument :
BNA_N
ClientSampleId :
RE134D3-20241210

Manual Integrations
APPROVED

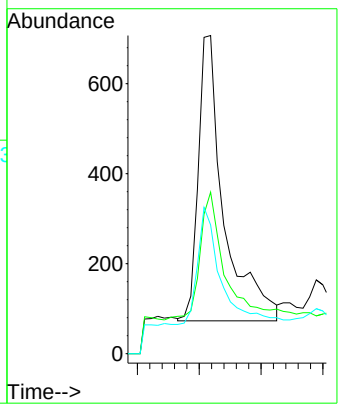
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

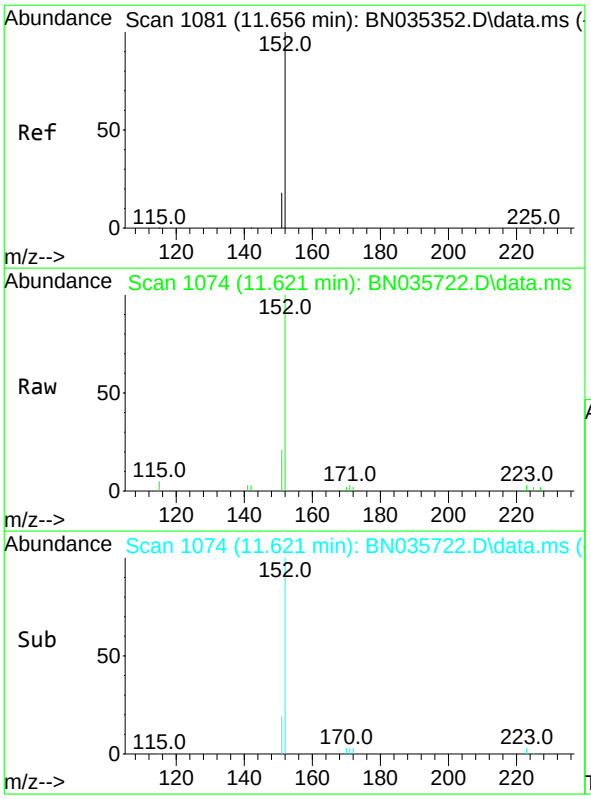


#8
Nitrobenzene-d5
Concen: 0.360 ng m
RT: 8.418 min Scan# 762
Delta R.T. 0.011 min
Lab File: BN035722.D
Acq: 20 Dec 2024 01:58

Tgt Ion: 82 Resp: 1827

Ion	Ratio	Lower	Upper
82	100		
128	50.8	33.4	50.0#
54	40.5	36.7	55.1





#11
2-Methylnaphthalene-d10
Concen: 0.326 ng
RT: 11.621 min Scan# 10
Delta R.T. -0.000 min
Lab File: BN035722.D
Acq: 20 Dec 2024 01:58

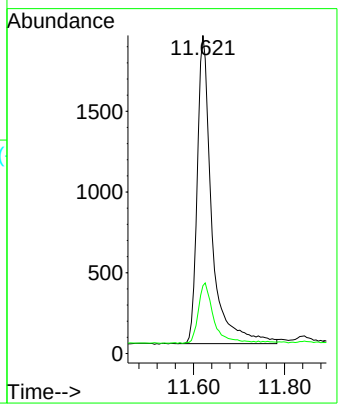
Tgt Ion:152 Resp: 4235

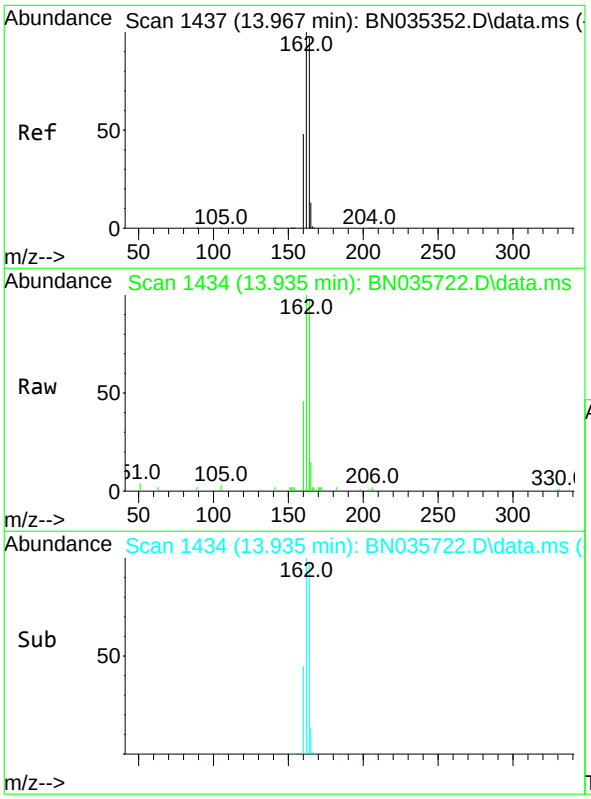
Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.6	25.0

Instrument :
BNA_N
ClientSampleId :
RE134D3-20241210

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

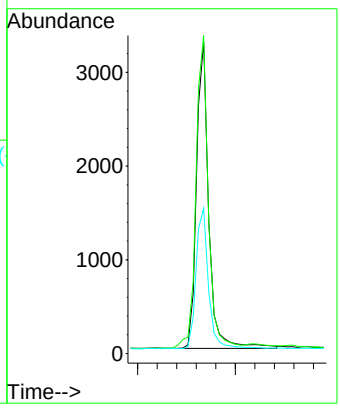


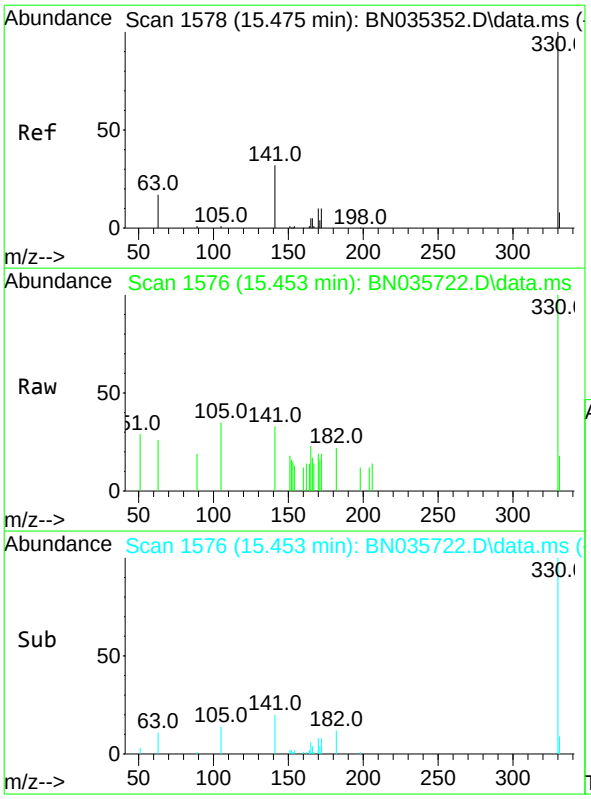


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.935 min Scan# 1434
Delta R.T. -0.000 min
Lab File: BN035722.D
Acq: 20 Dec 2024 01:58

Tgt Ion:164 Resp: 5668

Ion	Ratio	Lower	Upper
164	100		
162	101.9	82.2	123.2
160	46.5	40.1	60.1

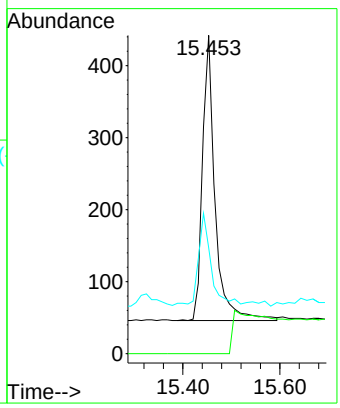




#14
2,4,6-Tribromophenol
Concen: 0.187 ng
RT: 15.453 min Scan# 15
Delta R.T. -0.000 min
Lab File: BN035722.D
Acq: 20 Dec 2024 01:58

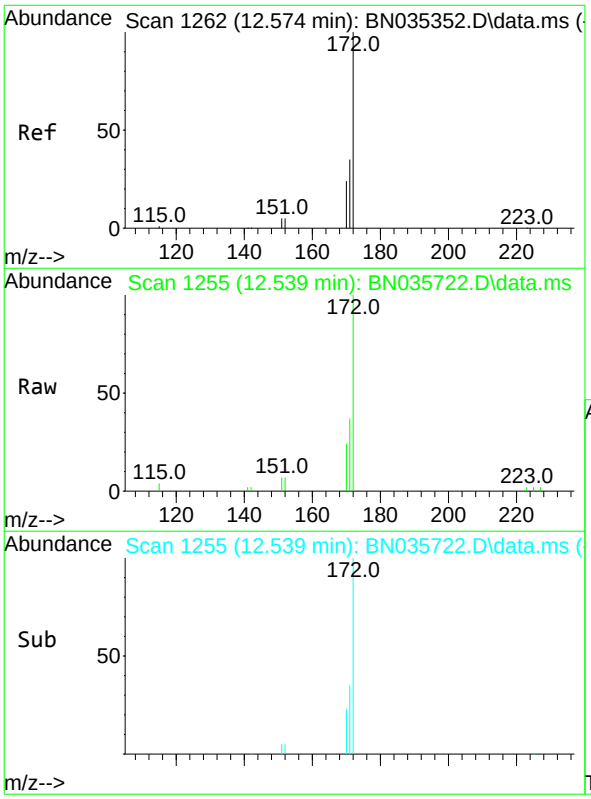
Tgt Ion:330 Resp: 752

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	32.6	26.6	40.0



Instrument :
BNA_N
ClientSampleId :
RE134D3-20241210

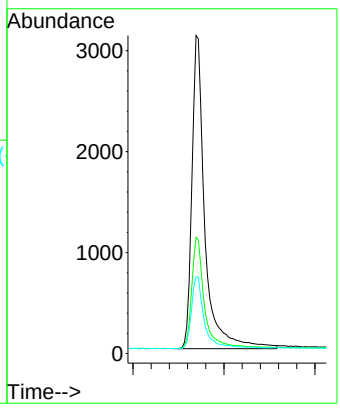
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

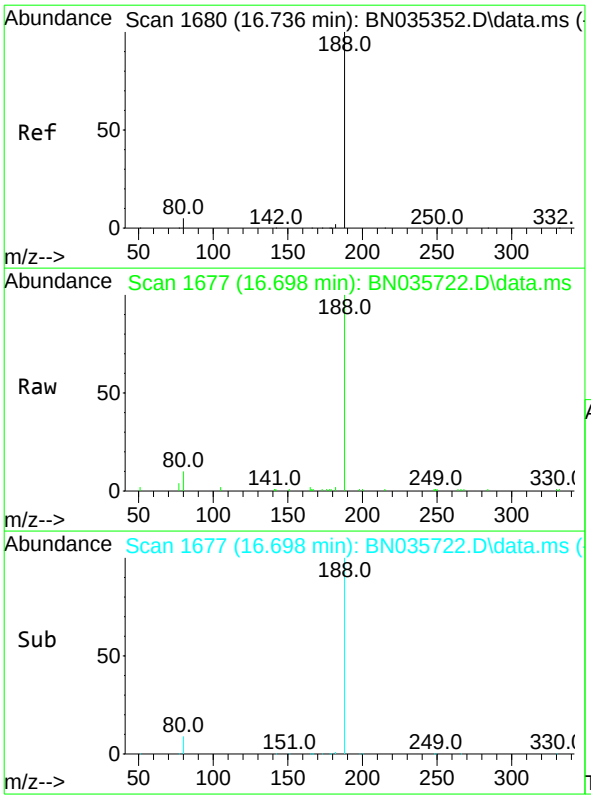


#15
2-Fluorobiphenyl
Concen: 0.287 ng
RT: 12.539 min Scan# 1255
Delta R.T. -0.005 min
Lab File: BN035722.D
Acq: 20 Dec 2024 01:58

Tgt Ion:172 Resp: 6159

Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.0	43.4
170	24.0	19.8	29.8

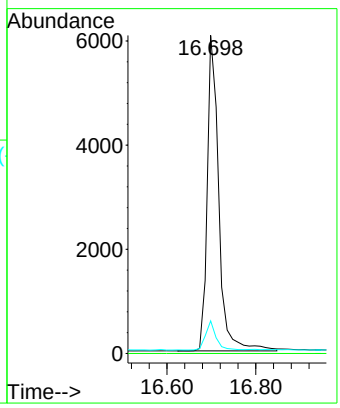




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.698 min Scan# 16
Delta R.T. -0.000 min
Lab File: BN035722.D
Acq: 20 Dec 2024 01:58

Tgt Ion:188 Resp: 10939

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.3	4.6	6.8#



Instrument :
BNA_N
ClientSampleId :
RE134D3-20241210

Manual Integrations
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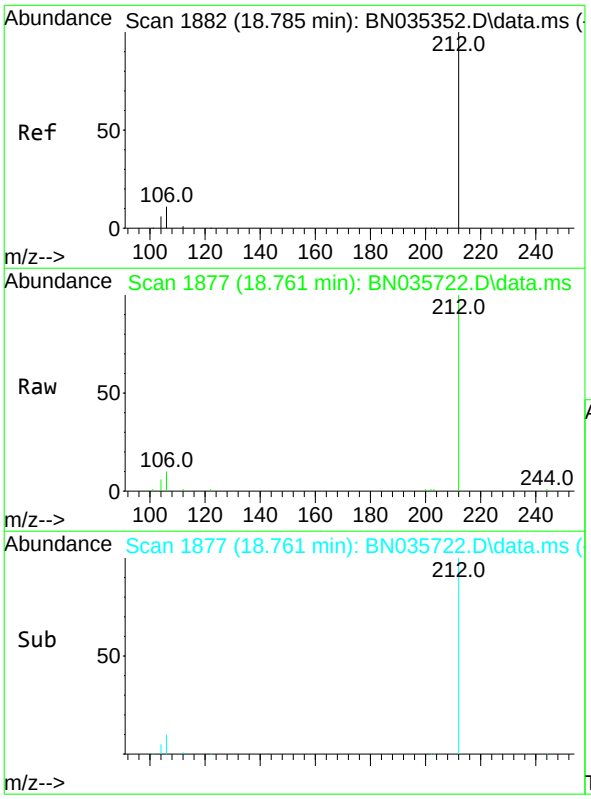
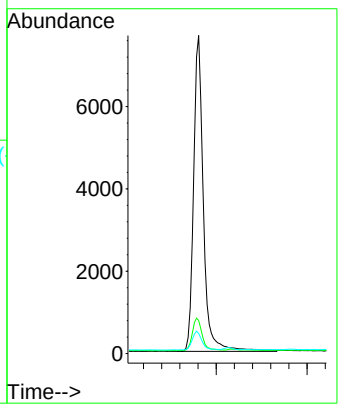
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

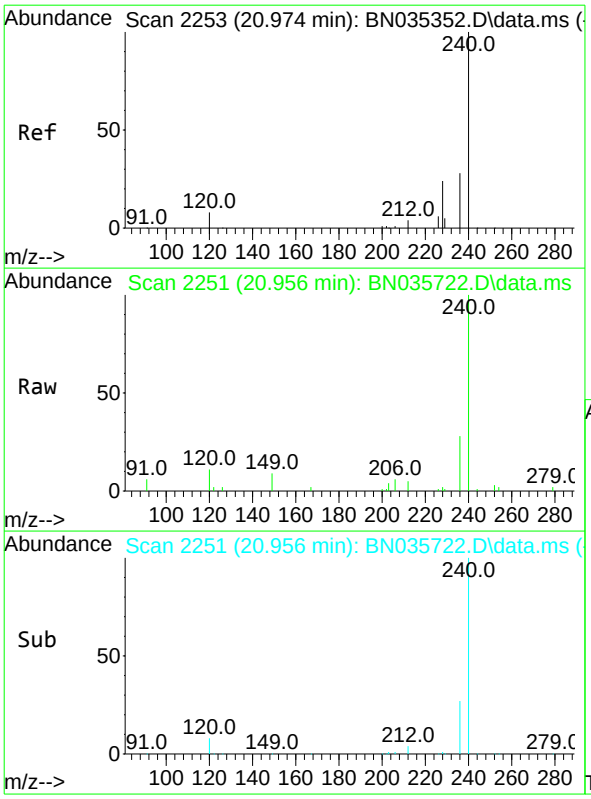


#27
Fluoranthene-d10
Concen: 0.371 ng
RT: 18.761 min Scan# 1877
Delta R.T. -0.000 min
Lab File: BN035722.D
Acq: 20 Dec 2024 01:58

Tgt Ion:212 Resp: 11492

Ion	Ratio	Lower	Upper
212	100		
106	10.4	9.2	13.8
104	5.9	5.3	7.9

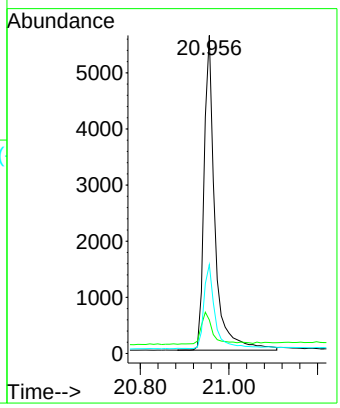




#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.956 min Scan# 22
Delta R.T. -0.000 min
Lab File: BN035722.D
Acq: 20 Dec 2024 01:58

Tgt Ion:240 Resp: 9533

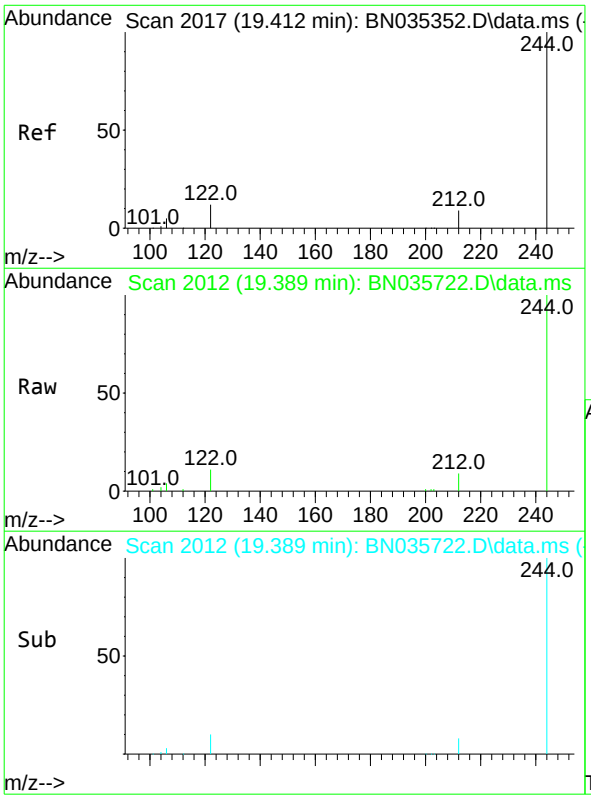
Ion	Ratio	Lower	Upper
240	100		
120	10.6	7.9	11.9
236	27.9	22.9	34.3



Instrument :
BNA_N
ClientSampleId :
RE134D3-20241210

Manual Integrations
APPROVED

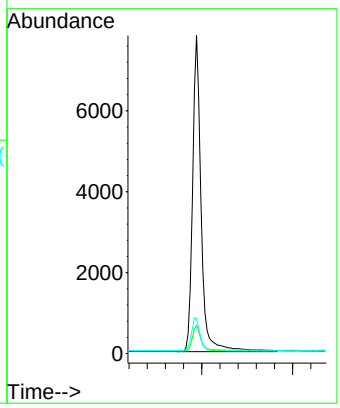
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

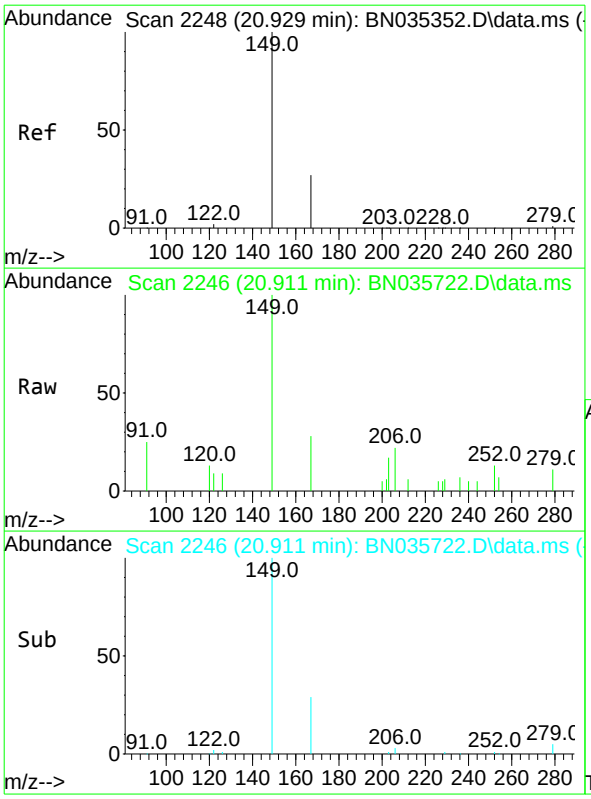


#31
Terphenyl-d14
Concen: 0.544 ng
RT: 19.389 min Scan# 2012
Delta R.T. -0.000 min
Lab File: BN035722.D
Acq: 20 Dec 2024 01:58

Tgt Ion:244 Resp: 10221

Ion	Ratio	Lower	Upper
244	100		
212	8.8	8.1	12.1
122	11.1	10.3	15.5





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.085 ng
RT: 20.911 min Scan# 22
Delta R.T. -0.000 min
Lab File: BN035722.D
Acq: 20 Dec 2024 01:58

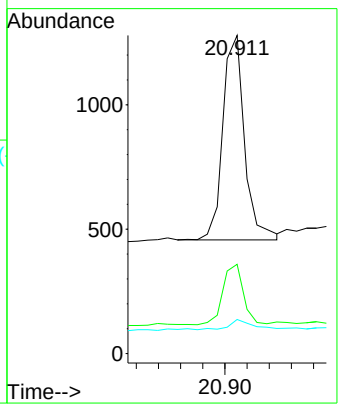
Tgt Ion:149 Resp: 1118

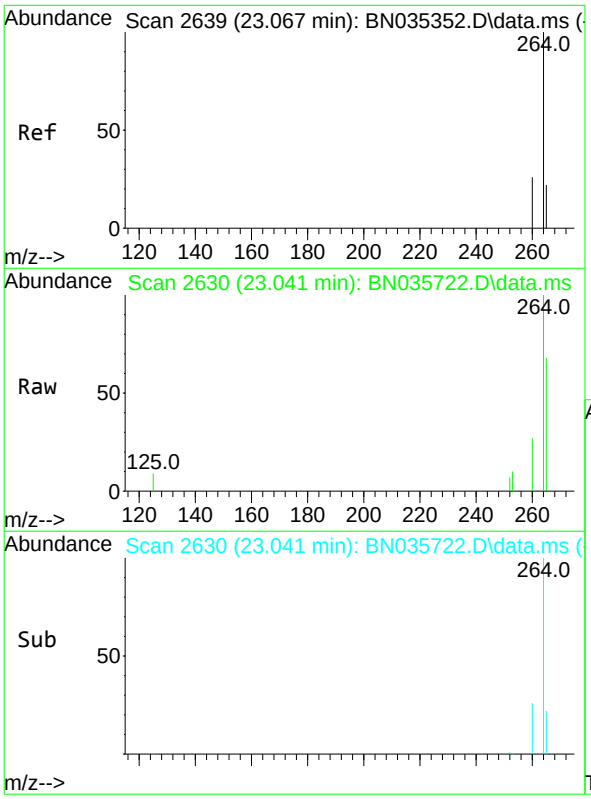
Ion	Ratio	Lower	Upper
149	100		
167	27.5	22.2	33.4
279	6.1	2.7	4.1#

Instrument :
BNA_N
ClientSampleId :
RE134D3-20241210

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

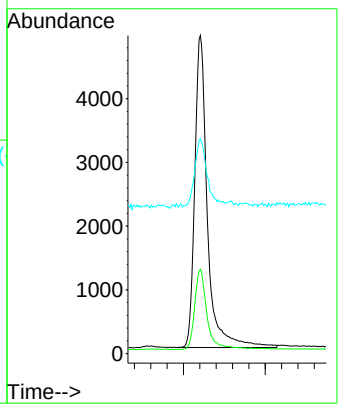




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.041 min Scan# 2630
Delta R.T. -0.000 min
Lab File: BN035722.D
Acq: 20 Dec 2024 01:58

Tgt Ion:264 Resp: 10502

Ion	Ratio	Lower	Upper
264	100		
260	26.5	21.4	32.2
265	67.6	40.2	60.4#



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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/10/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/11/24
Client Sample ID:	RE134D3-20241210DL	SDG No.:	P5261
Lab Sample ID:	P5261-09DL	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035752.D	2	12/12/24 10:30	12/20/24 21:21	PB165596

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	6.20	D	0.14	0.40	0.40	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.34		30 - 150		86%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.42		30 - 150		104%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.37		55 - 111		92%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.31		53 - 106		79%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.59	*	58 - 132		148%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3090	7.271				
1146-65-2	Naphthalene-d8	8020	10.02				
15067-26-2	Acenaphthene-d10	5390	13.924				
1517-22-2	Phenanthrene-d10	11000	16.698				
1719-03-5	Chrysene-d12	9480	20.955				
1520-96-3	Perylene-d12	9620	23.044				

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_N\Data\BN121924\
Data File : BN035752.D
Acq On : 20 Dec 2024 21:21
Operator : RC/JU
Sample : P5261-09DL 2X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE134D3-20241210DL

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

Quant Time: Dec 21 01:43:50 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.271	152	3092	0.400	ng	0.00
7) Naphthalene-d8	10.020	136	8022	0.400	ng	# 0.00
13) Acenaphthene-d10	13.924	164	5392	0.400	ng	-0.01
19) Phenanthrene-d10	16.698	188	11029	0.400	ng	# 0.00
29) Chrysene-d12	20.955	240	9477	0.400	ng	# 0.00
35) Perylene-d12	23.044	264	9623	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.938	112	457	0.059	ng	0.00
5) Phenol-d6	6.491	99	227	0.024	ng	0.00
8) Nitrobenzene-d5	8.418	82	903m	0.184	ng	0.01
11) 2-Methylnaphthalene-d10	11.620	152	2145	0.171	ng	0.00
14) 2,4,6-Tribromophenol	15.453	330	384	0.100	ng	0.00
15) 2-Fluorobiphenyl	12.543	172	3190	0.157	ng	0.00
27) Fluoranthene-d10	18.761	212	6495	0.208	ng	0.00
31) Terphenyl-d14	19.388	244	5542	0.296	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.981	88	9199	3.112	ng	99
34) Bis(2-ethylhexyl)phtha...	20.911	149	586	0.045	ng	# 93

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

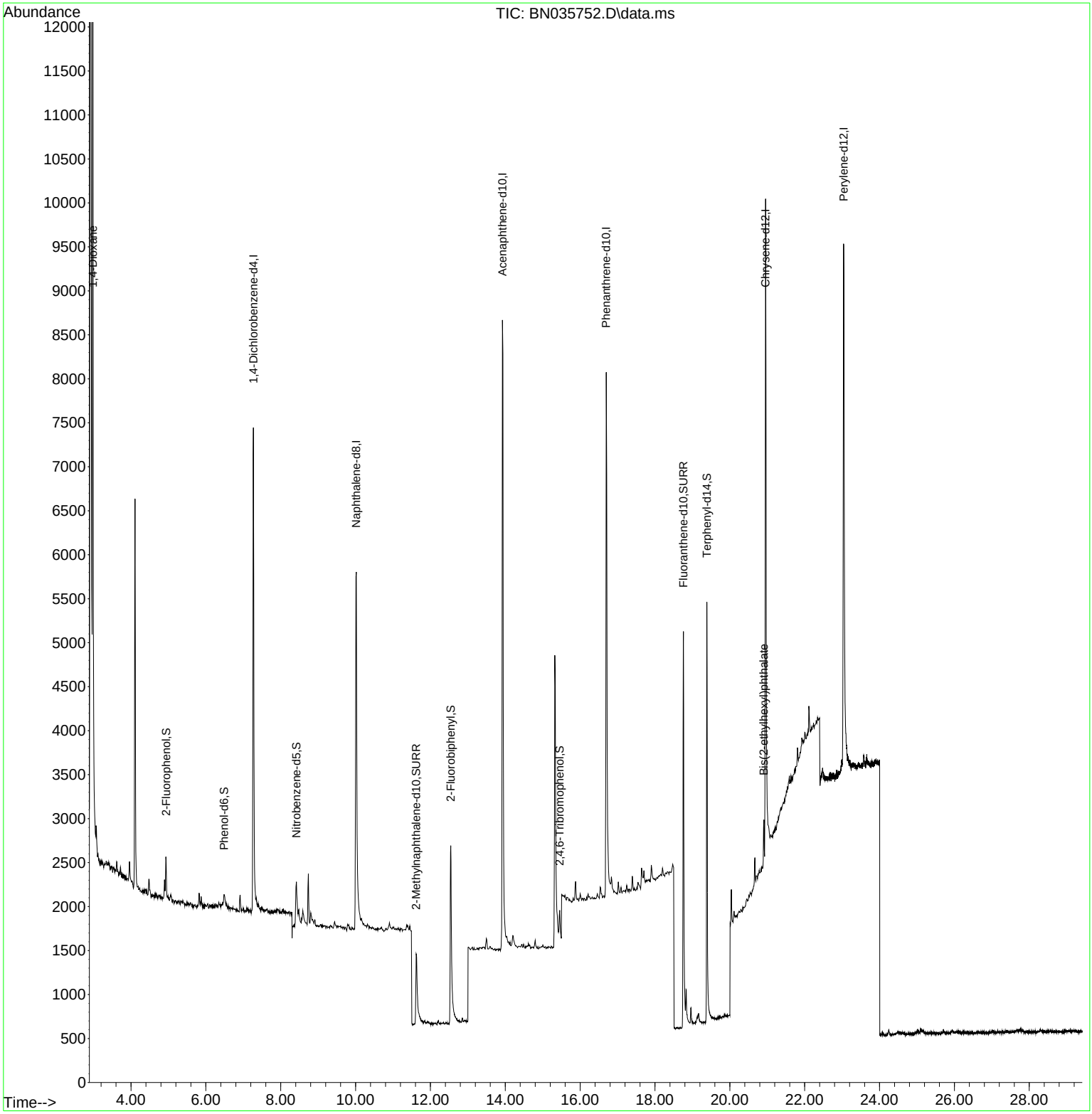
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035752.D
Acq On : 20 Dec 2024 21:21
Operator : RC/JU
Sample : P5261-09DL 2X
Misc :
ALS Vial : 43 Sample Multiplier: 1

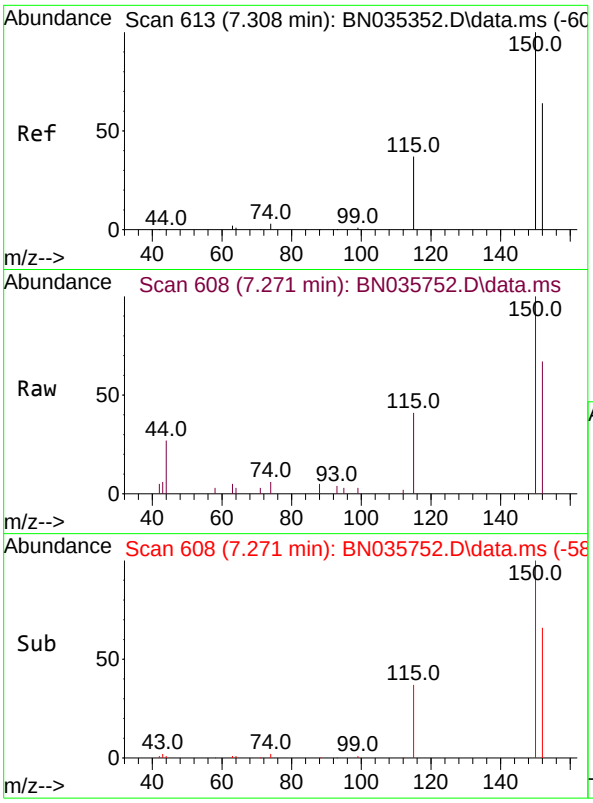
Quant Time: Dec 21 01:43:50 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
RE134D3-20241210DL

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

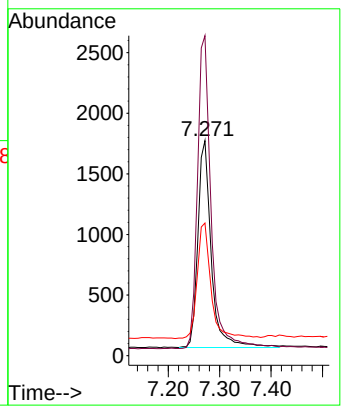




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.271 min Scan# 6
Delta R.T. -0.001 min
Lab File: BN035752.D
Acq: 20 Dec 2024 21:21

Tgt Ion:152 Resp: 309

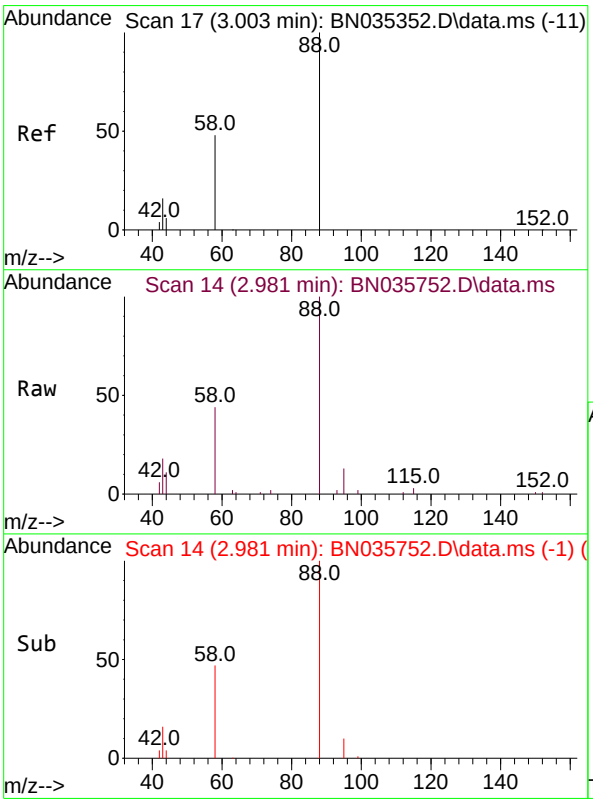
Ion	Ratio	Lower	Upper
152	100		
150	148.8	124.0	186.0
115	61.7	49.6	74.4



Instrument :
BNA_N
ClientSampleId :
RE134D3-20241210DL

Manual Integrations
APPROVED

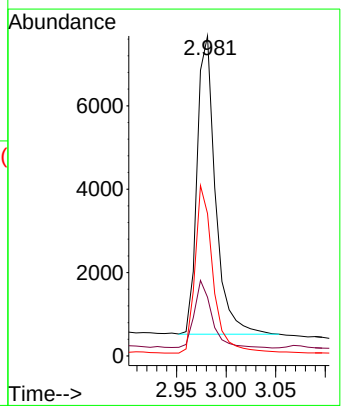
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

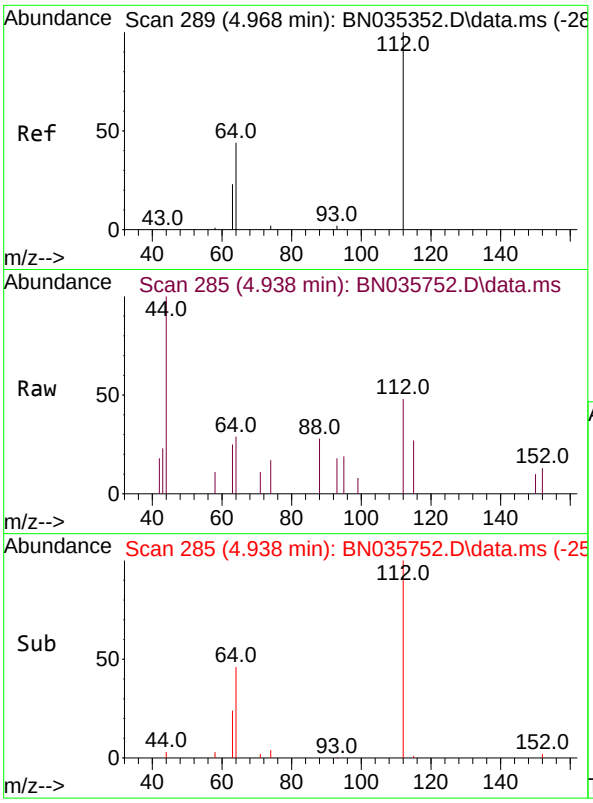


#2
1,4-Dioxane
Concen: 3.112 ng
RT: 2.981 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035752.D
Acq: 20 Dec 2024 21:21

Tgt Ion: 88 Resp: 9199

Ion	Ratio	Lower	Upper
88	100		
43	21.9	17.2	25.8
58	55.3	44.5	66.7

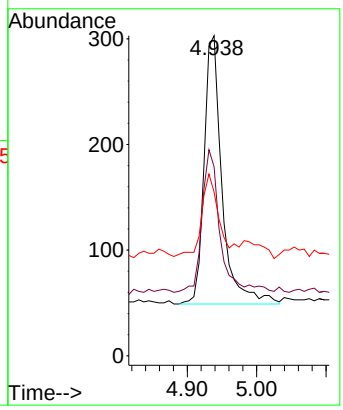




#4
2-Fluorophenol
Concen: 0.059 ng
RT: 4.938 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035752.D
Acq: 20 Dec 2024 21:21

Tgt Ion:112 Resp: 45

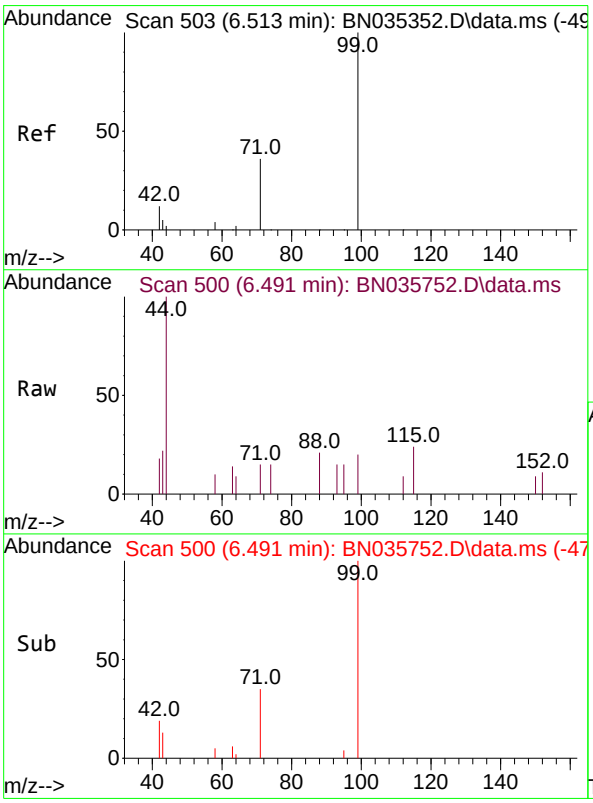
Ion	Ratio	Lower	Upper
112	100		
64	53.4	39.8	59.8
63	29.5	21.0	31.6



Instrument :
BNA_N
ClientSampleId :
RE134D3-20241210DL

Manual Integrations
APPROVED

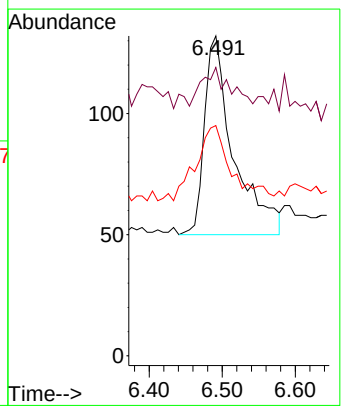
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

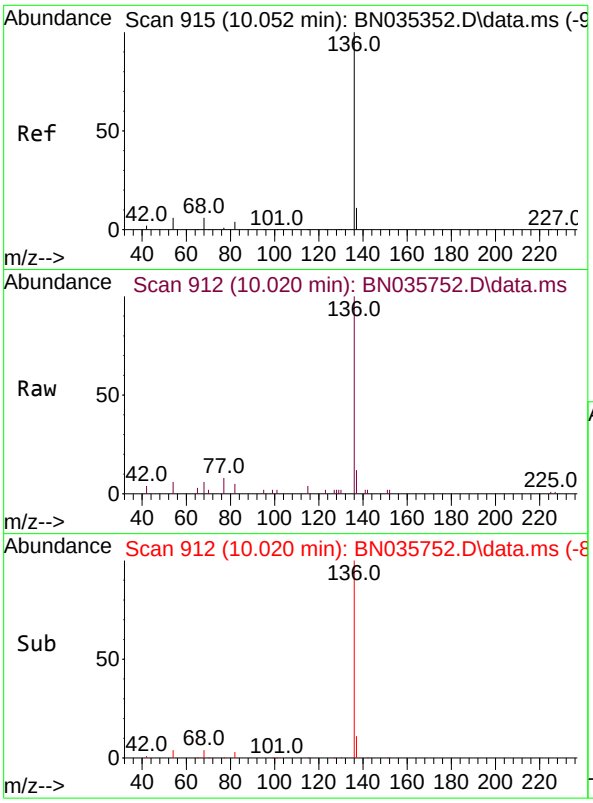


#5
Phenol-d6
Concen: 0.024 ng
RT: 6.491 min Scan# 500
Delta R.T. -0.000 min
Lab File: BN035752.D
Acq: 20 Dec 2024 21:21

Tgt Ion: 99 Resp: 227

Ion	Ratio	Lower	Upper
99	100		
42	26.0	11.4	17.2#
71	42.3	29.3	43.9

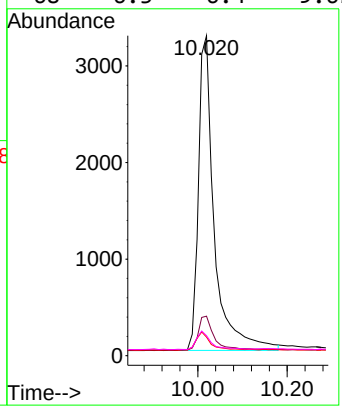




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.020 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN035752.D
Acq: 20 Dec 2024 21:21

Tgt Ion:136 Resp: 802

Ion	Ratio	Lower	Upper
136	100		
137	12.3	10.2	15.2
54	5.8	6.1	9.1#
68	6.3	6.4	9.6#



Instrument :
BNA_N
ClientSampleId :
RE134D3-20241210DL

Manual Integrations
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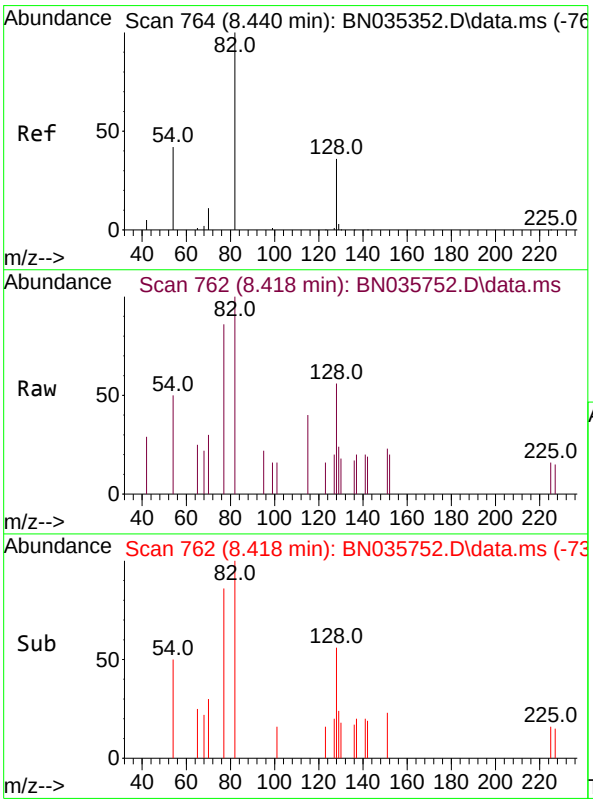
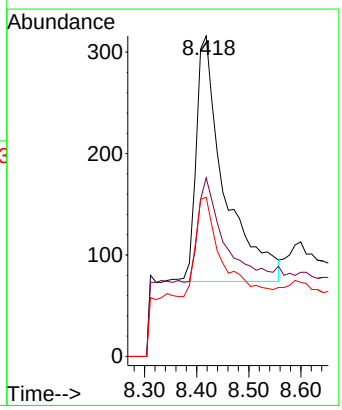
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

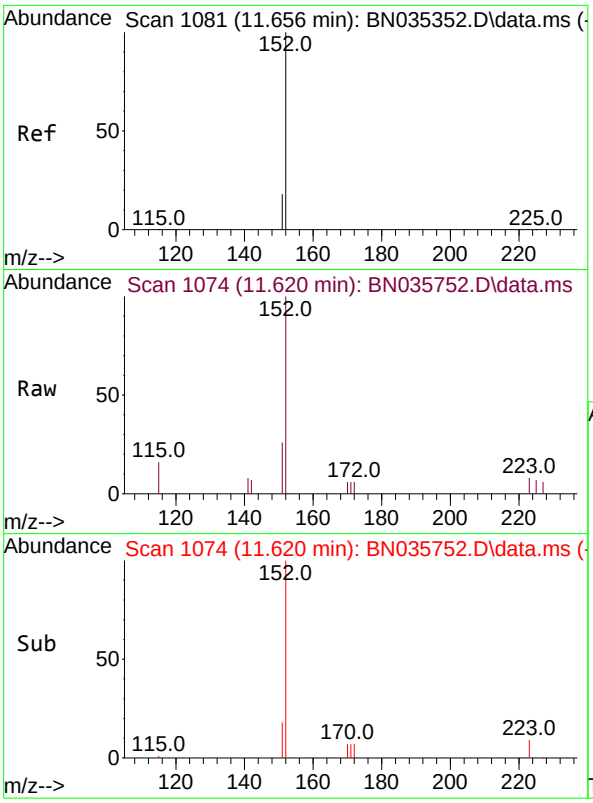


#8
Nitrobenzene-d5
Concen: 0.184 ng m
RT: 8.418 min Scan# 762
Delta R.T. 0.010 min
Lab File: BN035752.D
Acq: 20 Dec 2024 21:21

Tgt Ion: 82 Resp: 903

Ion	Ratio	Lower	Upper
82	100		
128	55.7	33.4	50.0#
54	49.7	36.7	55.1

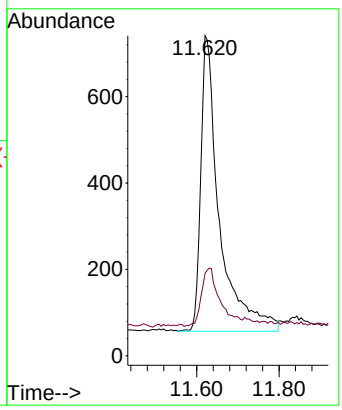




#11
2-Methylnaphthalene-d10
Concen: 0.171 ng
RT: 11.620 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035752.D
Acq: 20 Dec 2024 21:21

Tgt Ion:152 Resp: 214

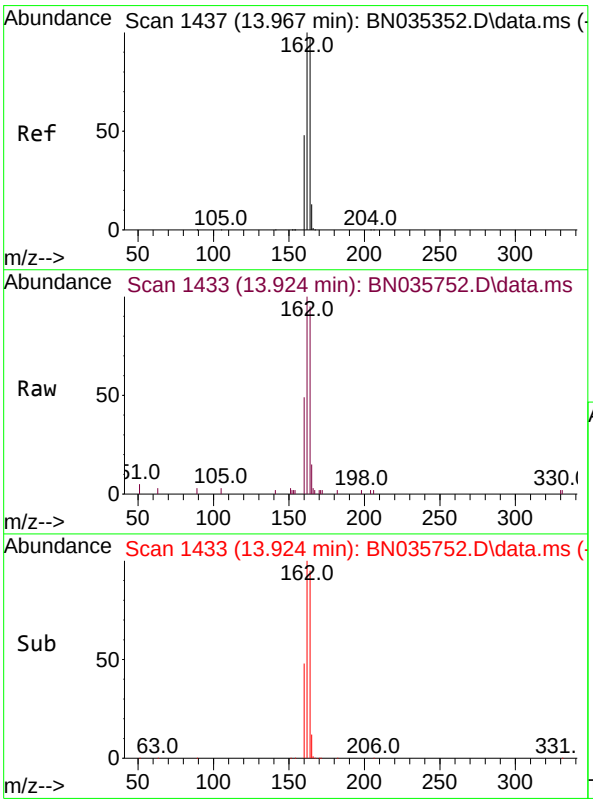
Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.6	25.0



Instrument :
BNA_N
ClientSampleId :
RE134D3-20241210DL

Manual Integrations
APPROVED

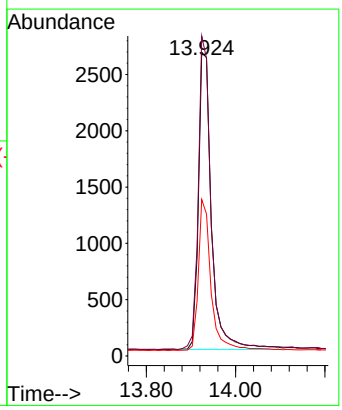
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

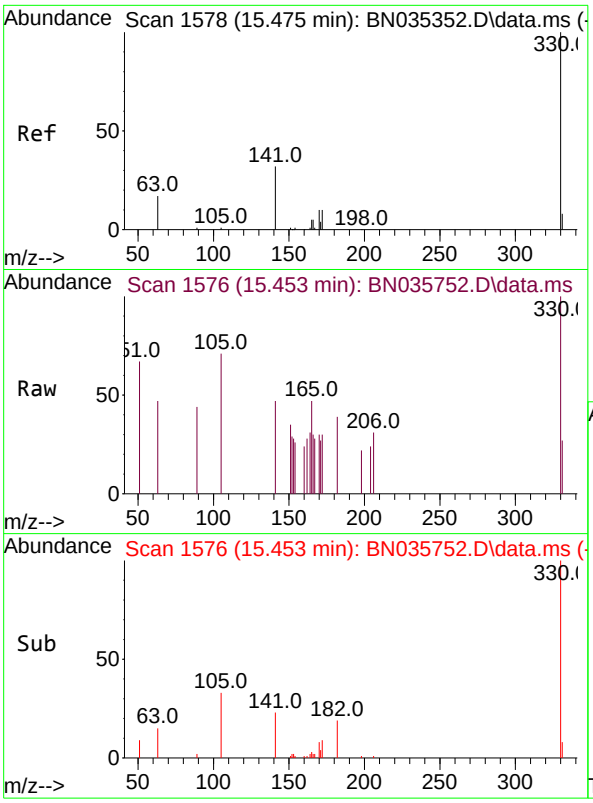


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.924 min Scan# 1433
Delta R.T. -0.011 min
Lab File: BN035752.D
Acq: 20 Dec 2024 21:21

Tgt Ion:164 Resp: 5392

Ion	Ratio	Lower	Upper
164	100		
162	105.4	82.2	123.2
160	51.5	40.1	60.1

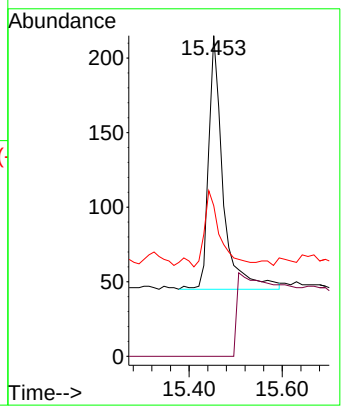




#14
2,4,6-Tribromophenol
Concen: 0.100 ng
RT: 15.453 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035752.D
Acq: 20 Dec 2024 21:21

Tgt Ion:330 Resp: 38

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	31.5	26.6	40.0



Instrument :
BNA_N
ClientSampleId :
RE134D3-20241210DL

Manual Integrations
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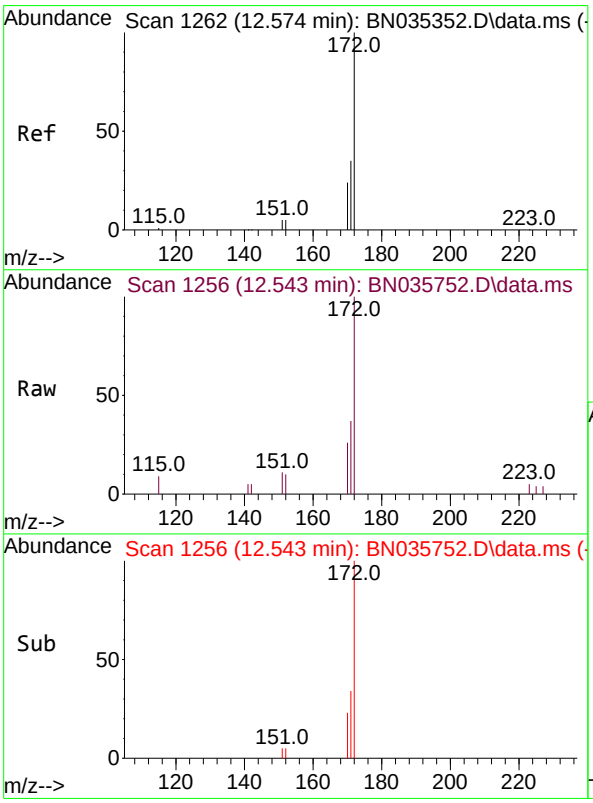
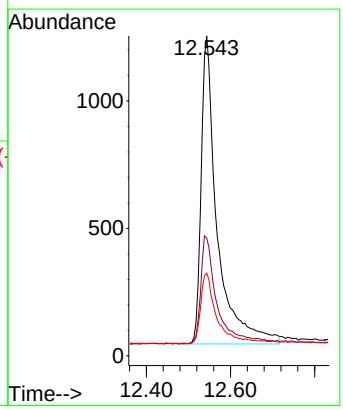
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

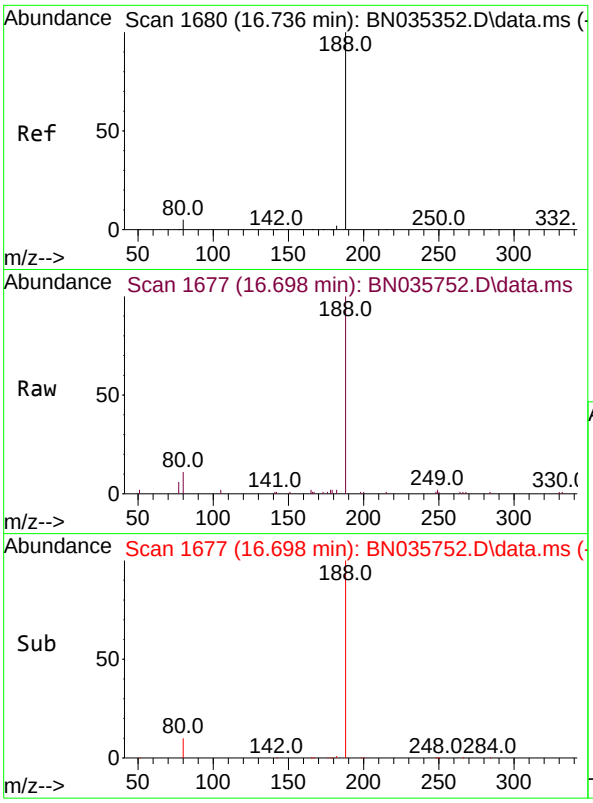


#15
2-Fluorobiphenyl
Concen: 0.157 ng
RT: 12.543 min Scan# 1256
Delta R.T. -0.000 min
Lab File: BN035752.D
Acq: 20 Dec 2024 21:21

Tgt Ion:172 Resp: 3190

Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.0	43.4
170	25.8	19.8	29.8

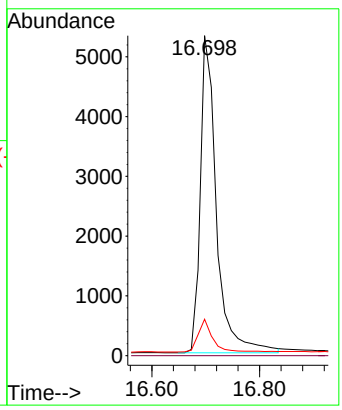




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.698 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN035752.D
Acq: 20 Dec 2024 21:21

Tgt Ion:188 Resp: 1102

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.4	4.6	6.8#



Instrument :
BNA_N
ClientSampleId :
RE134D3-20241210DL

Manual Integrations
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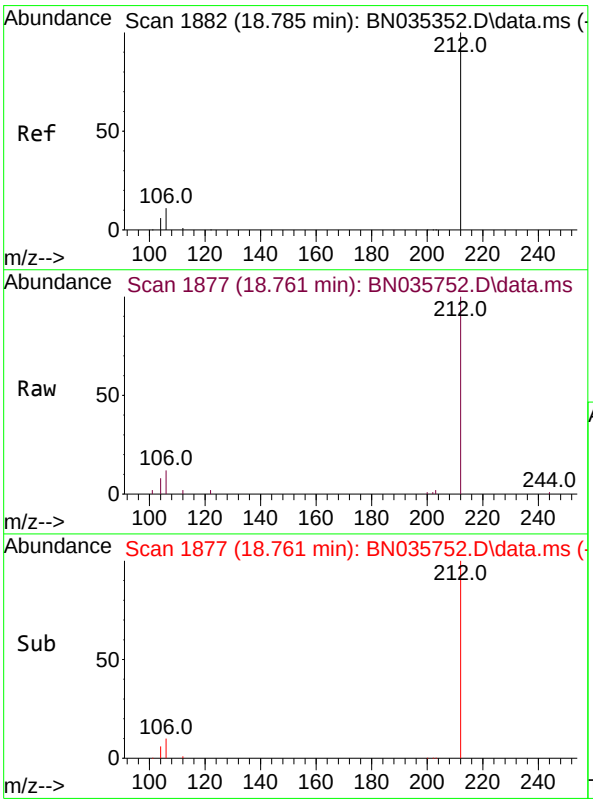
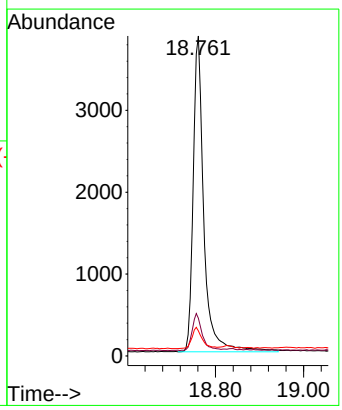
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

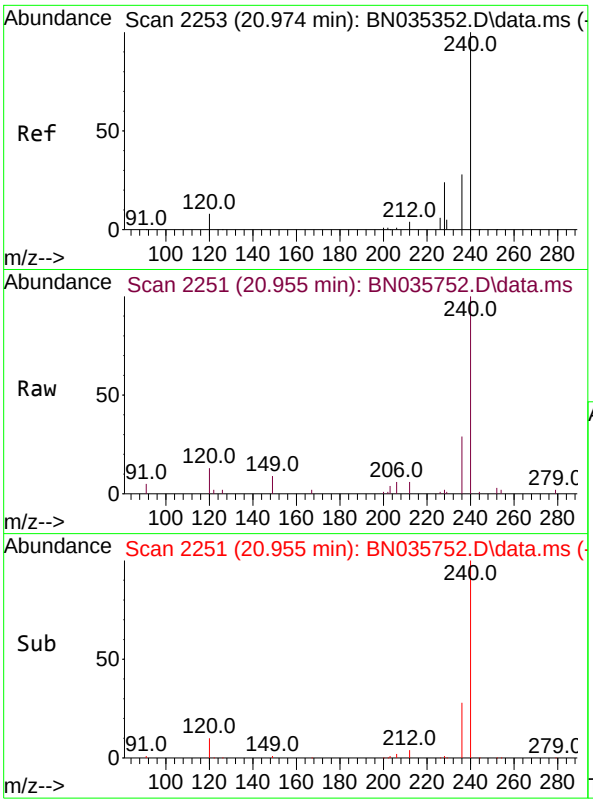


#27
Fluoranthene-d10
Concen: 0.208 ng
RT: 18.761 min Scan# 1877
Delta R.T. -0.000 min
Lab File: BN035752.D
Acq: 20 Dec 2024 21:21

Tgt Ion:212 Resp: 6495

Ion	Ratio	Lower	Upper
212	100		
106	11.0	9.2	13.8
104	6.4	5.3	7.9





#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.955 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035752.D
Acq: 20 Dec 2024 21:21

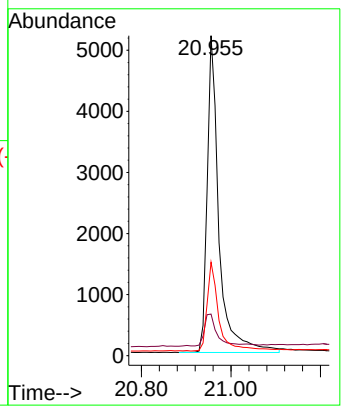
Tgt Ion:240 Resp: 947

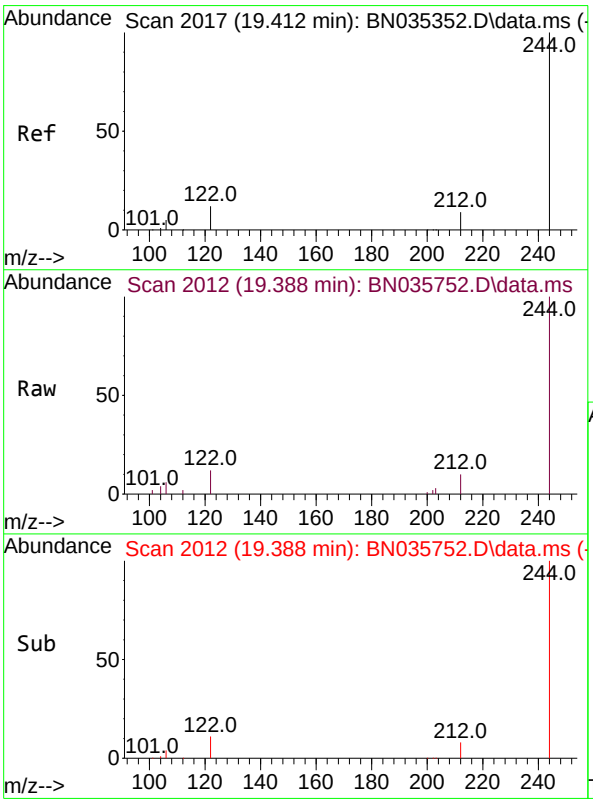
Ion	Ratio	Lower	Upper
240	100		
120	13.0	7.9	11.9#
236	29.2	22.9	34.3

Instrument :
BNA_N
ClientSampleId :
RE134D3-20241210DL

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

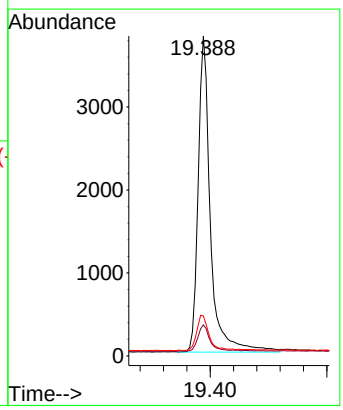


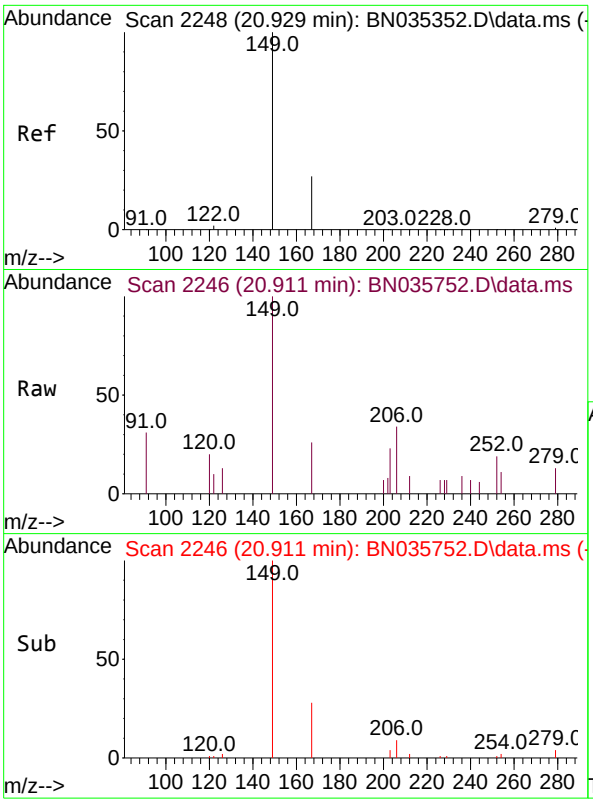


#31
Terphenyl-d14
Concen: 0.296 ng
RT: 19.388 min Scan# 2012
Delta R.T. -0.000 min
Lab File: BN035752.D
Acq: 20 Dec 2024 21:21

Tgt Ion:244 Resp: 5542

Ion	Ratio	Lower	Upper
244	100		
212	9.7	8.1	12.1
122	12.5	10.3	15.5

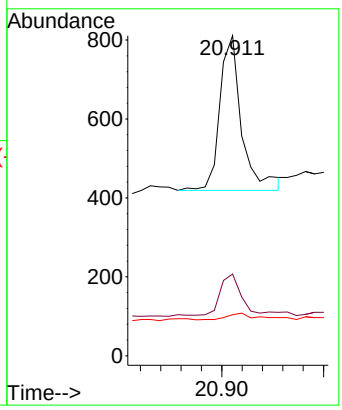




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.045 ng
RT: 20.911 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035752.D
Acq: 20 Dec 2024 21:21

Tgt Ion:149 Resp: 58

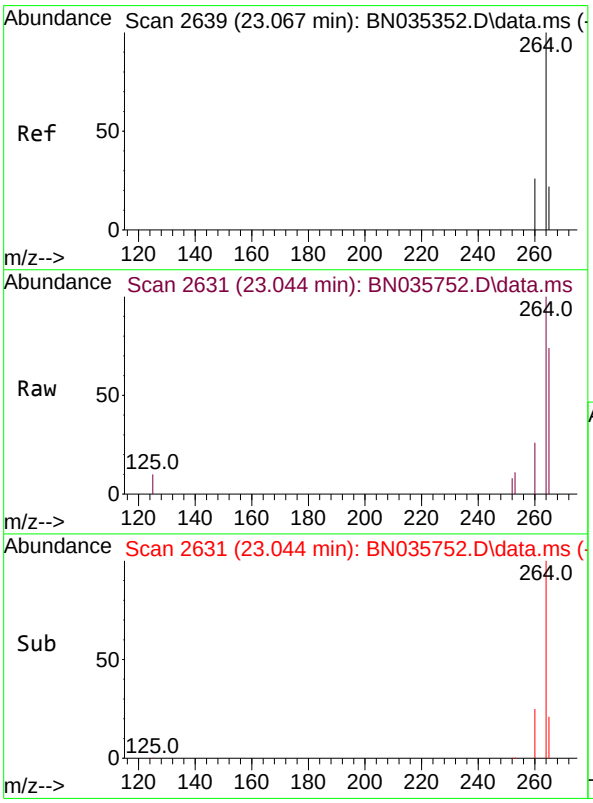
Ion	Ratio	Lower	Upper
149	100		
167	24.4	22.2	33.4
279	6.5	2.7	4.1#



Instrument :
BNA_N
ClientSampleId :
RE134D3-20241210DL

Manual Integrations
APPROVED

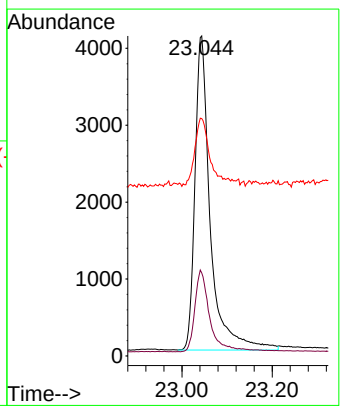
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.044 min Scan# 2631
Delta R.T. 0.002 min
Lab File: BN035752.D
Acq: 20 Dec 2024 21:21

Tgt Ion:264 Resp: 9623

Ion	Ratio	Lower	Upper
264	100		
260	25.9	21.4	32.2
265	74.2	40.2	60.4#



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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/10/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/11/24
Client Sample ID:	RE134D4-20241210	SDG No.:	P5261
Lab Sample ID:	P5261-10	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035723.D	1	12/12/24 10:30	12/20/24 02:34	PB165596

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.40		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.31		30 - 150		77%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.40		30 - 150		100%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.33		55 - 111		83%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.28		53 - 106		70%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.56	*	58 - 132		139%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2980	7.272				
1146-65-2	Naphthalene-d8	8070	10.02				
15067-26-2	Acenaphthene-d10	5310	13.935				
1517-22-2	Phenanthrene-d10	9780	16.711				
1719-03-5	Chrysene-d12	8920	20.956				
1520-96-3	Perylene-d12	9840	23.041				

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_N\Data\BN121924\
Data File : BN035723.D
Acq On : 20 Dec 2024 02:34
Operator : RC/JU
Sample : P5261-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE134D4-20241210

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

Quant Time: Dec 20 02:56:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.272	152	2978	0.400	ng	0.00
7) Naphthalene-d8	10.020	136	8067	0.400	ng	# 0.00
13) Acenaphthene-d10	13.935	164	5314	0.400	ng	0.00
19) Phenanthrene-d10	16.711	188	9782	0.400	ng	# 0.01
29) Chrysene-d12	20.956	240	8919	0.400	ng	0.00
35) Perylene-d12	23.041	264	9842	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.939	112	746	0.100	ng	0.00
5) Phenol-d6	6.492	99	405	0.045	ng	0.00
8) Nitrobenzene-d5	8.418	82	1641m	0.333	ng	0.01
11) 2-Methylnaphthalene-d10	11.621	152	3879	0.307	ng	0.00
14) 2,4,6-Tribromophenol	15.453	330	592	0.157	ng	0.00
15) 2-Fluorobiphenyl	12.544	172	5631	0.280	ng	0.00
27) Fluoranthene-d10	18.761	212	11032	0.398	ng	0.00
31) Terphenyl-d14	19.389	244	9774	0.556	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.982	88	4118	1.446	ng	98
34) Bis(2-ethylhexyl)phtha...	20.911	149	1160	0.094	ng	# 98

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

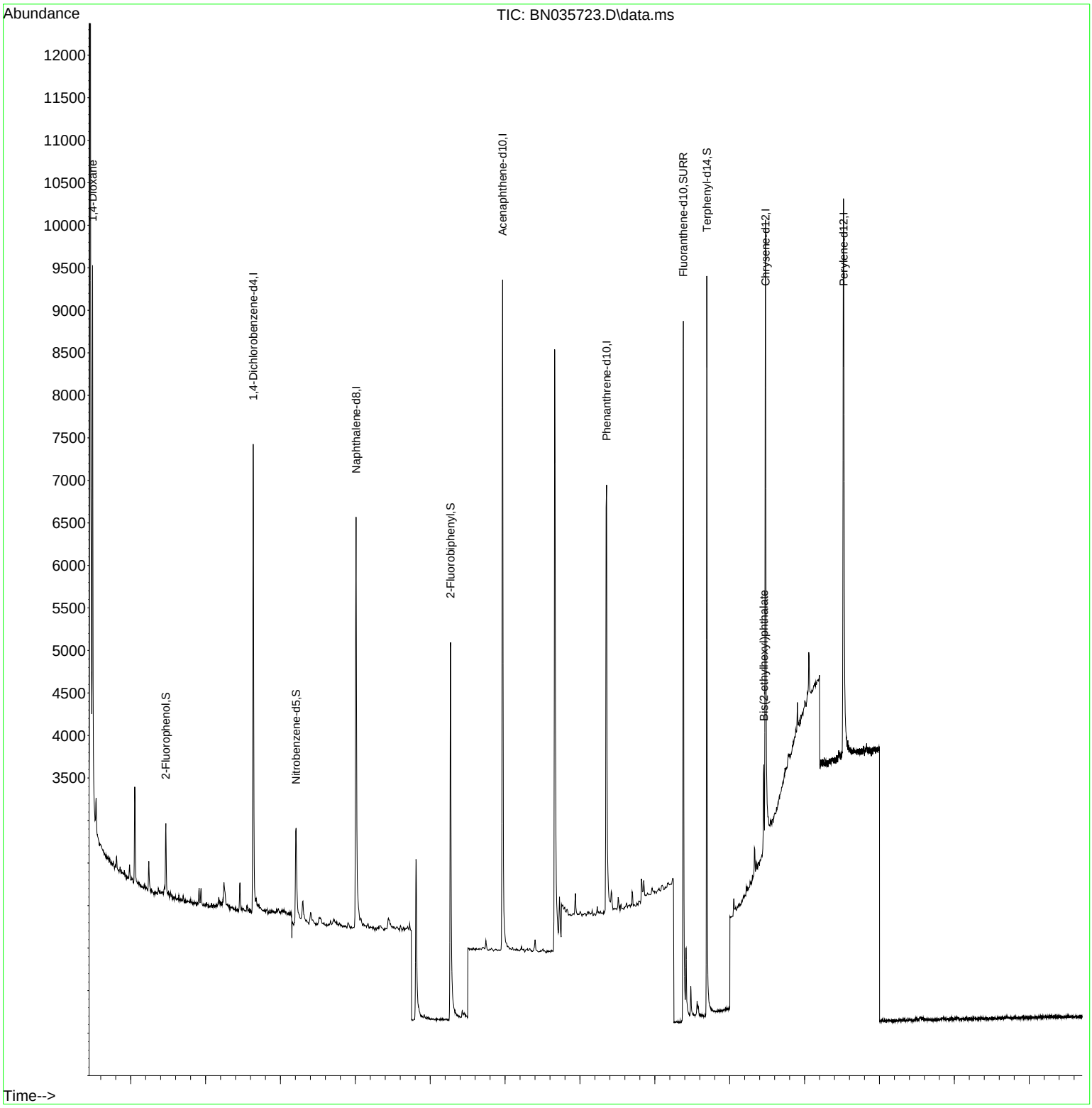
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035723.D
Acq On : 20 Dec 2024 02:34
Operator : RC/JU
Sample : P5261-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

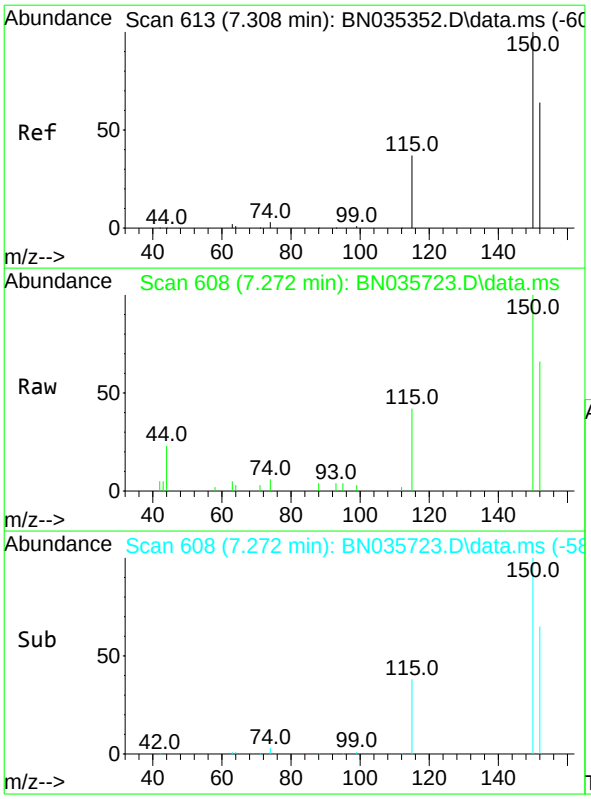
Quant Time: Dec 20 02:56:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
RE134D4-20241210

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

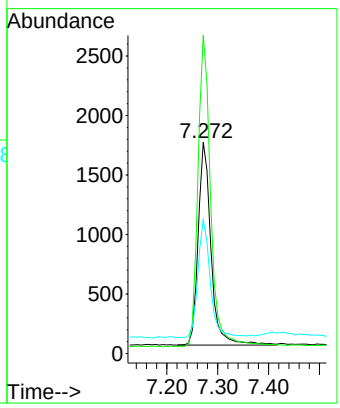




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.272 min Scan# 60
Delta R.T. -0.000 min
Lab File: BN035723.D
Acq: 20 Dec 2024 02:34

Tgt Ion:152 Resp: 2978

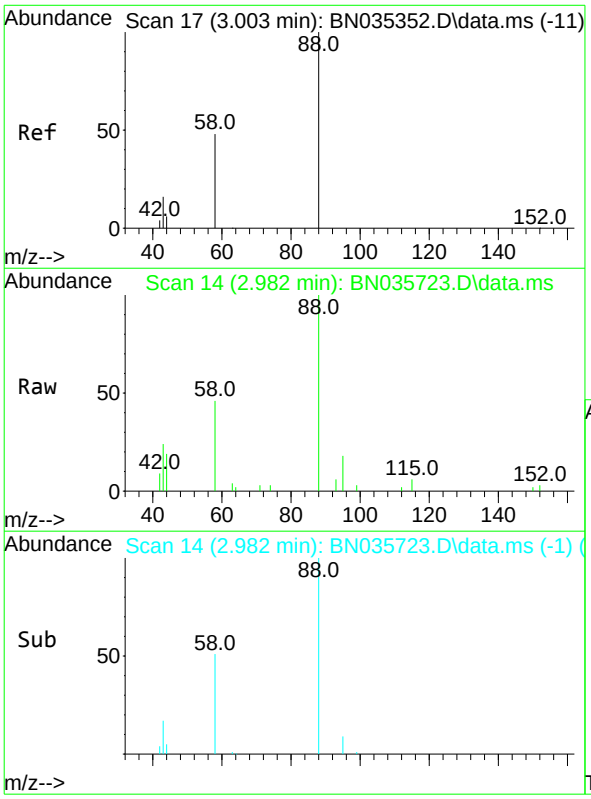
Ion	Ratio	Lower	Upper
152	100		
150	150.5	124.0	186.0
115	63.2	49.6	74.4



Instrument :
BNA_N
ClientSampleId :
RE134D4-20241210

Manual Integrations APPROVED

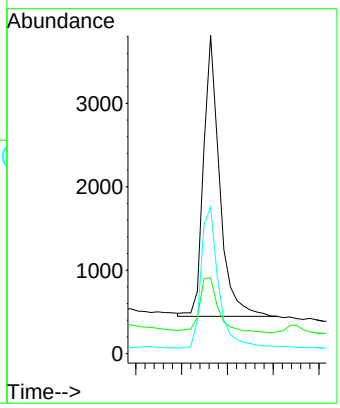
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

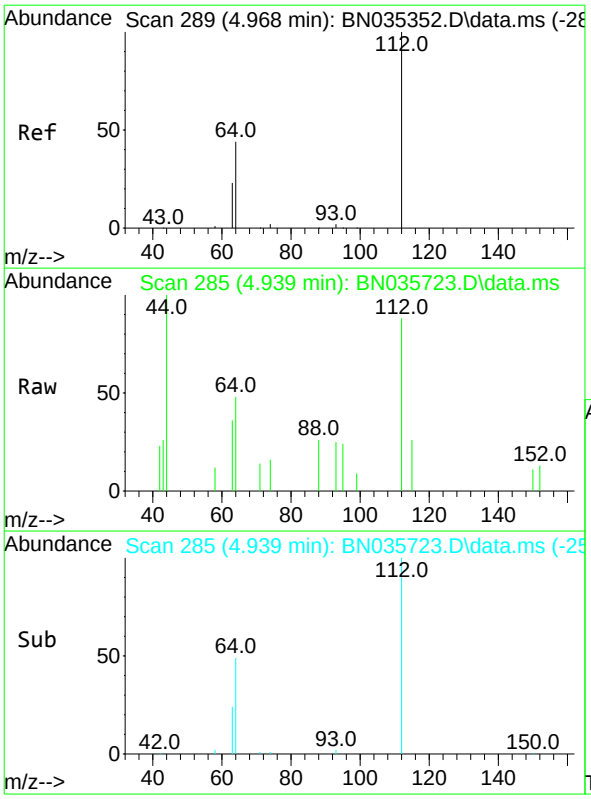


#2
1,4-Dioxane
Concen: 1.446 ng
RT: 2.982 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035723.D
Acq: 20 Dec 2024 02:34

Tgt Ion: 88 Resp: 4118

Ion	Ratio	Lower	Upper
88	100		
43	23.0	17.2	25.8
58	54.6	44.5	66.7

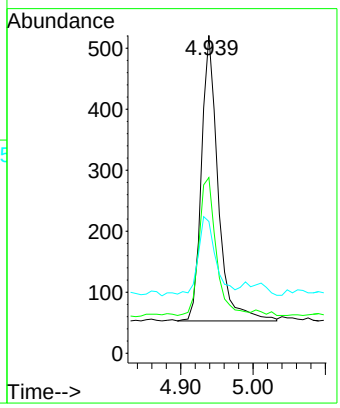




#4
2-Fluorophenol
Concen: 0.100 ng
RT: 4.939 min Scan# 28
Delta R.T. -0.000 min
Lab File: BN035723.D
Acq: 20 Dec 2024 02:34

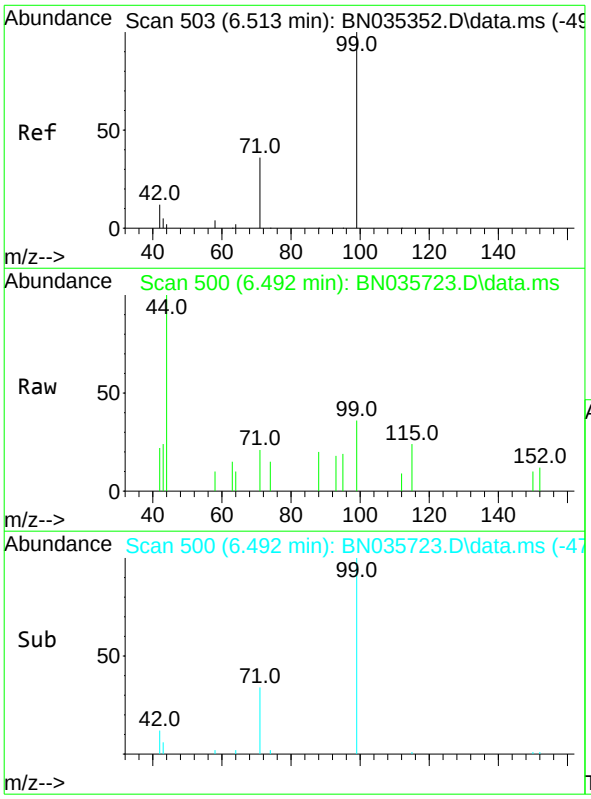
Tgt Ion:112 Resp: 746

Ion	Ratio	Lower	Upper
112	100		
64	49.6	39.8	59.8
63	27.5	21.0	31.6



Instrument :
BNA_N
ClientSampleId :
RE134D4-20241210

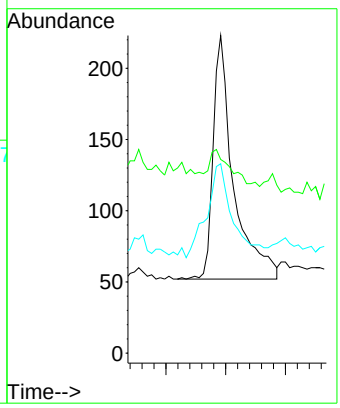
Manual Integrations
APPROVED
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

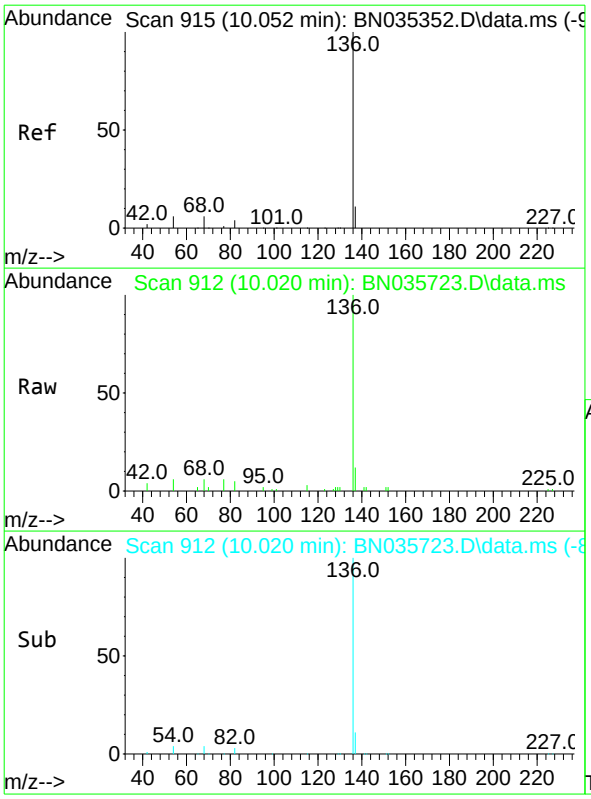


#5
Phenol-d6
Concen: 0.045 ng
RT: 6.492 min Scan# 500
Delta R.T. -0.000 min
Lab File: BN035723.D
Acq: 20 Dec 2024 02:34

Tgt Ion: 99 Resp: 405

Ion	Ratio	Lower	Upper
99	100		
42	15.6	11.4	17.2
71	45.7	29.3	43.9#

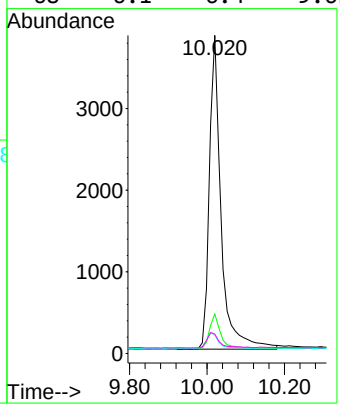




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.020 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN035723.D
Acq: 20 Dec 2024 02:34

Tgt Ion:136 Resp: 8067

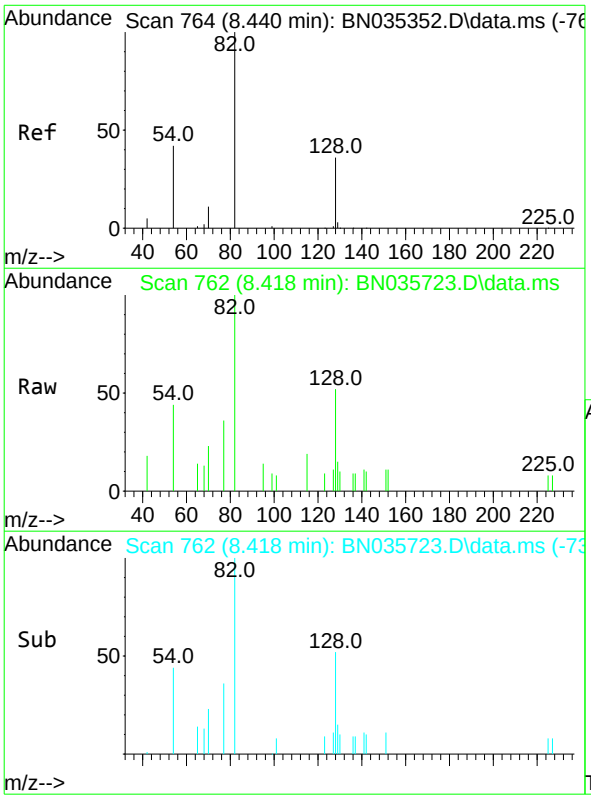
Ion	Ratio	Lower	Upper
136	100		
137	12.4	10.2	15.2
54	5.8	6.1	9.1#
68	6.1	6.4	9.6#



Instrument :
BNA_N
ClientSampleId :
RE134D4-20241210

Manual Integrations APPROVED

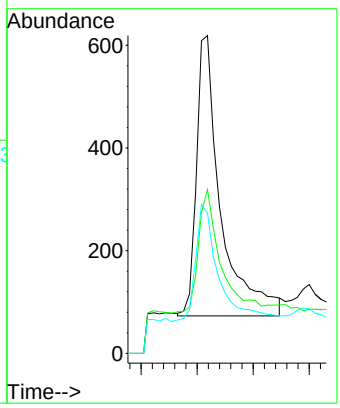
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

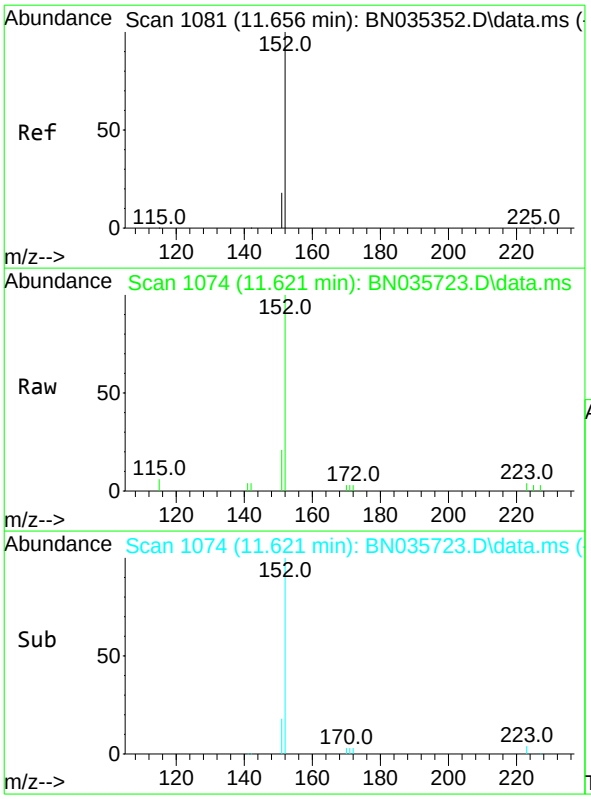


#8
Nitrobenzene-d5
Concen: 0.333 ng m
RT: 8.418 min Scan# 762
Delta R.T. 0.011 min
Lab File: BN035723.D
Acq: 20 Dec 2024 02:34

Tgt Ion: 82 Resp: 1641

Ion	Ratio	Lower	Upper
82	100		
128	51.5	33.4	50.0#
54	44.1	36.7	55.1





#11
2-Methylnaphthalene-d10
Concen: 0.307 ng
RT: 11.621 min Scan# 10
Delta R.T. -0.000 min
Lab File: BN035723.D
Acq: 20 Dec 2024 02:34

Tgt Ion:152 Resp: 3879

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.6	25.0

Instrument :
BNA_N
ClientSampleId :
RE134D4-20241210

Manual Integrations
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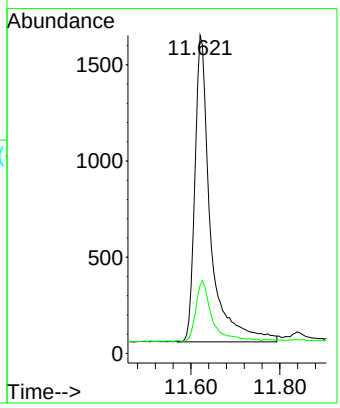
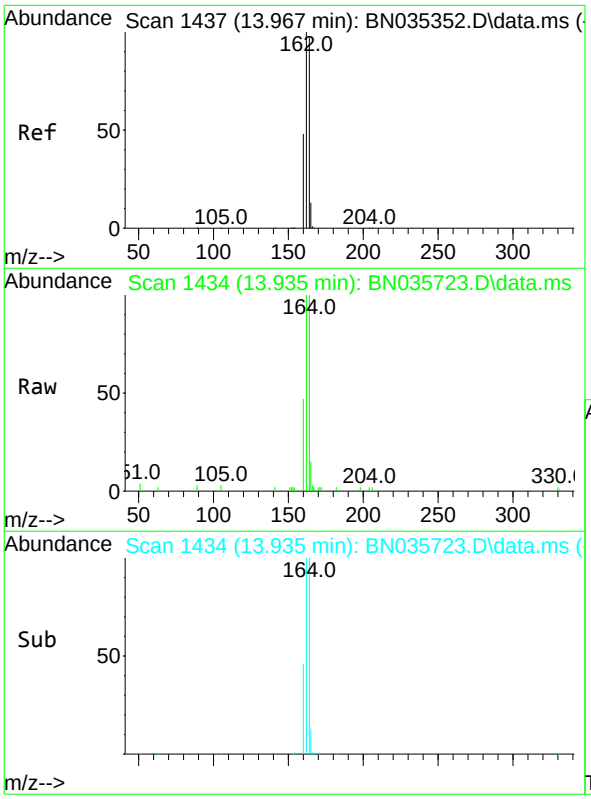
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

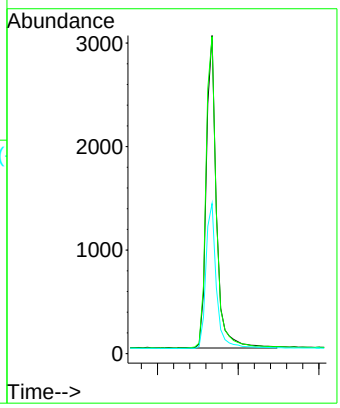


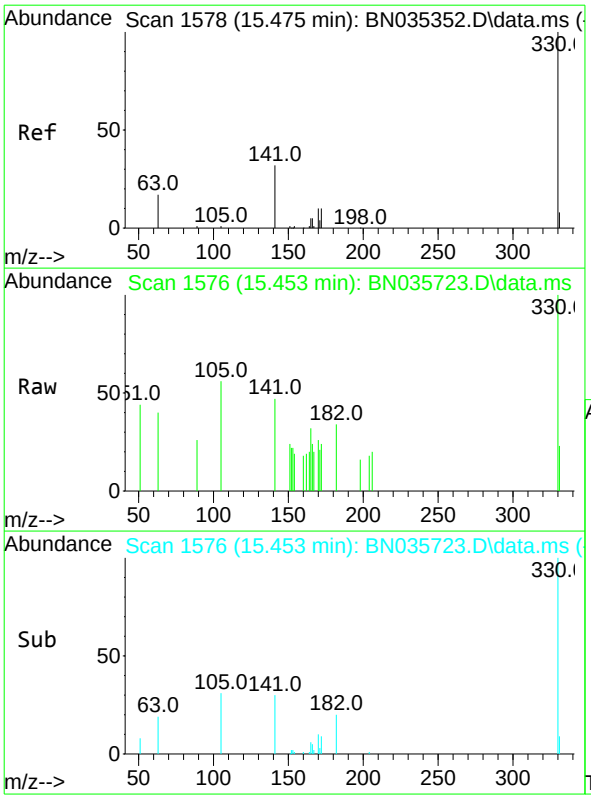


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.935 min Scan# 1434
Delta R.T. -0.000 min
Lab File: BN035723.D
Acq: 20 Dec 2024 02:34

Tgt Ion:164 Resp: 5314

Ion	Ratio	Lower	Upper
164	100		
162	99.7	82.2	123.2
160	47.2	40.1	60.1





#14
2,4,6-Tribromophenol
Concen: 0.157 ng
RT: 15.453 min Scan# 15
Delta R.T. -0.000 min
Lab File: BN035723.D
Acq: 20 Dec 2024 02:34

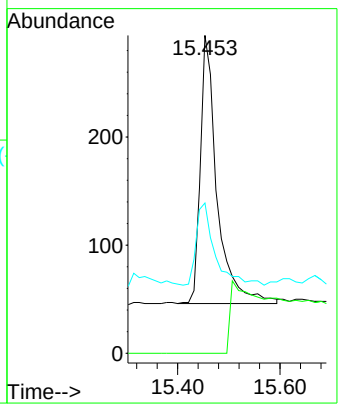
Tgt Ion:330 Resp: 592

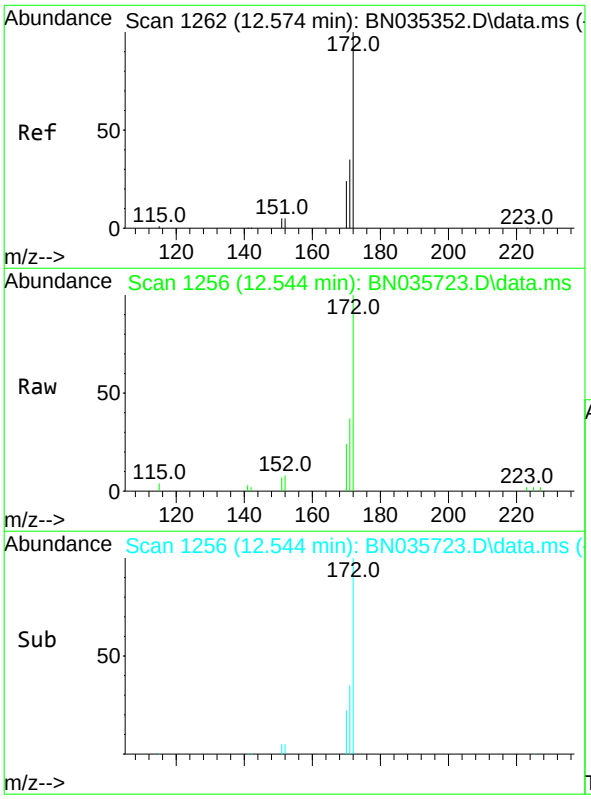
Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	33.6	26.6	40.0

Instrument :
BNA_N
ClientSampleId :
RE134D4-20241210

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

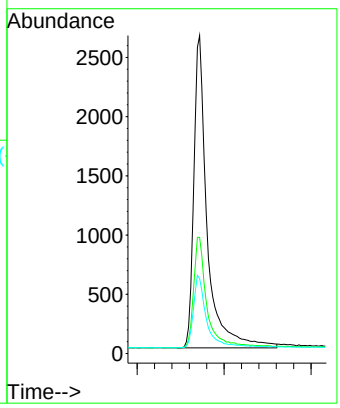


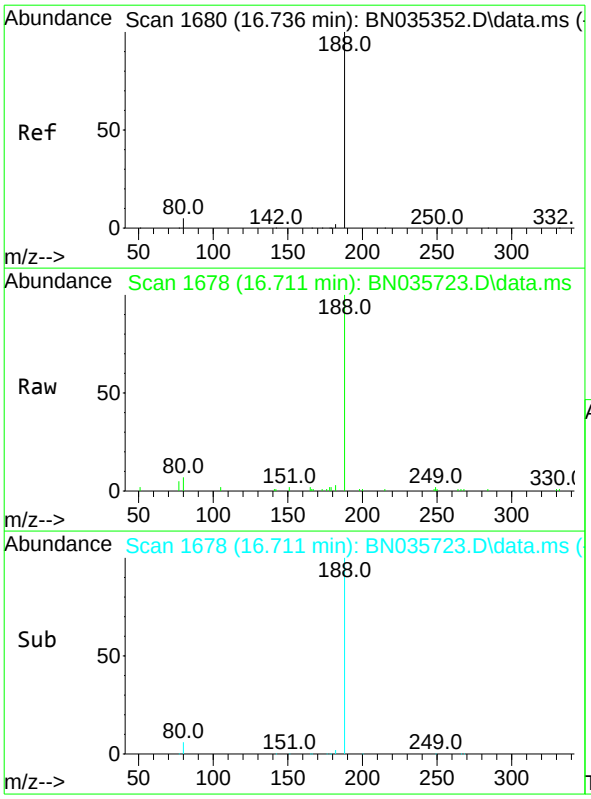


#15
2-Fluorobiphenyl
Concen: 0.280 ng
RT: 12.544 min Scan# 1256
Delta R.T. -0.000 min
Lab File: BN035723.D
Acq: 20 Dec 2024 02:34

Tgt Ion:172 Resp: 5631

Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.0	43.4
170	23.6	19.8	29.8

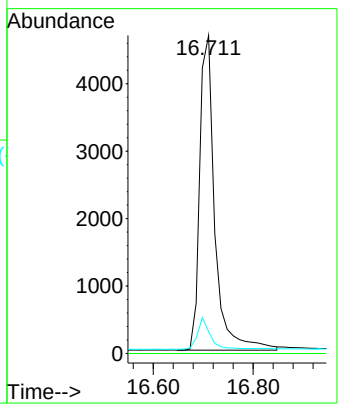




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.711 min Scan# 16
Delta R.T. 0.012 min
Lab File: BN035723.D
Acq: 20 Dec 2024 02:34

Tgt Ion:188 Resp: 9782

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.9	4.6	6.8#



Instrument :
BNA_N
ClientSampleId :
RE134D4-20241210

Manual Integrations
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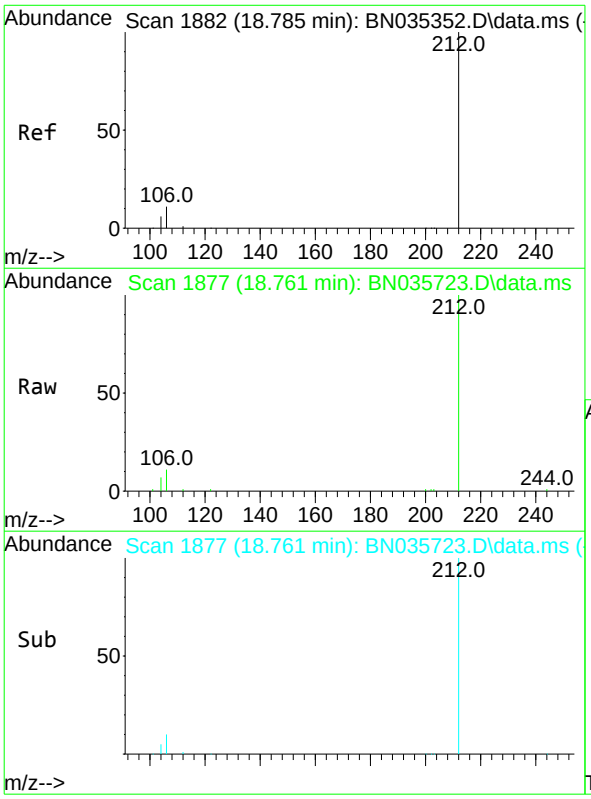
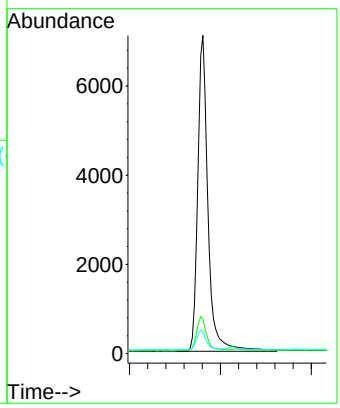
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

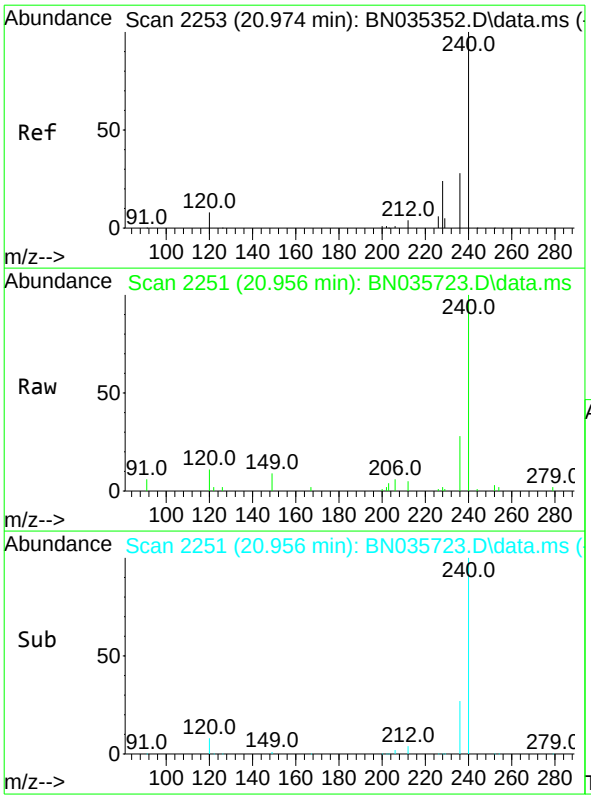


#27
Fluoranthene-d10
Concen: 0.398 ng
RT: 18.761 min Scan# 1877
Delta R.T. -0.000 min
Lab File: BN035723.D
Acq: 20 Dec 2024 02:34

Tgt Ion:212 Resp: 11032

Ion	Ratio	Lower	Upper
212	100		
106	10.5	9.2	13.8
104	5.8	5.3	7.9

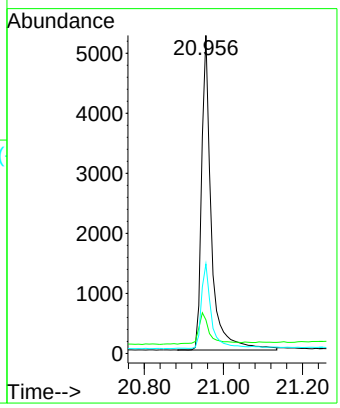




#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.956 min Scan# 22
Delta R.T. -0.000 min
Lab File: BN035723.D
Acq: 20 Dec 2024 02:34

Tgt Ion:240 Resp: 8919

Ion	Ratio	Lower	Upper
240	100		
120	10.6	7.9	11.9
236	28.1	22.9	34.3



Instrument :
BNA_N
ClientSampleId :
RE134D4-20241210

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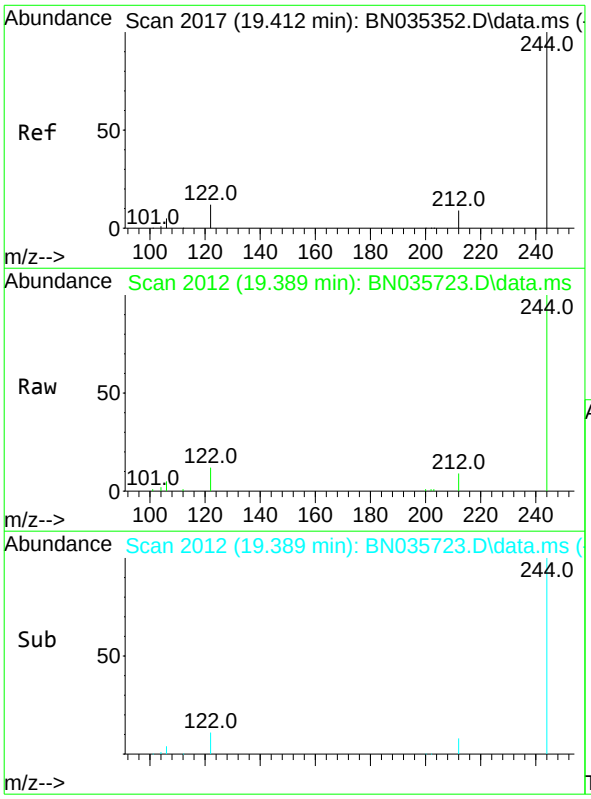
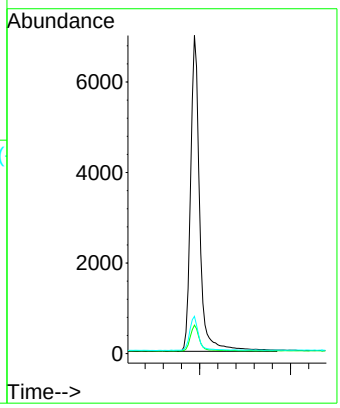
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

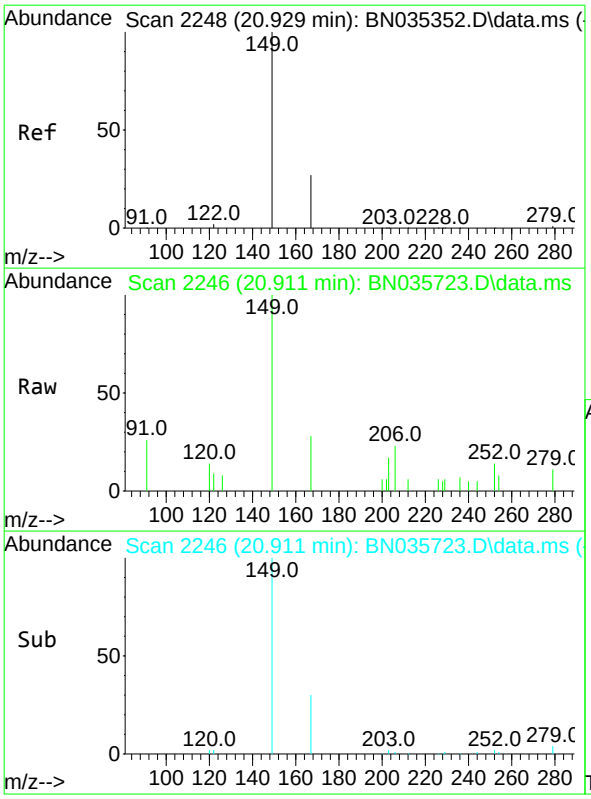


#31
Terphenyl-d14
Concen: 0.556 ng
RT: 19.389 min Scan# 2012
Delta R.T. -0.000 min
Lab File: BN035723.D
Acq: 20 Dec 2024 02:34

Tgt Ion:244 Resp: 9774

Ion	Ratio	Lower	Upper
244	100		
212	8.9	8.1	12.1
122	11.7	10.3	15.5





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.094 ng
RT: 20.911 min Scan# 22
Delta R.T. -0.000 min
Lab File: BN035723.D
Acq: 20 Dec 2024 02:34

Tgt Ion:149 Resp: 1160

Ion	Ratio	Lower	Upper
149	100		
167	26.7	22.2	33.4
279	4.9	2.7	4.1#

Instrument :
BNA_N
ClientSampleId :
RE134D4-20241210

Manual Integrations
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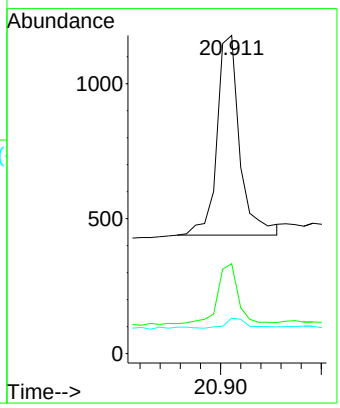
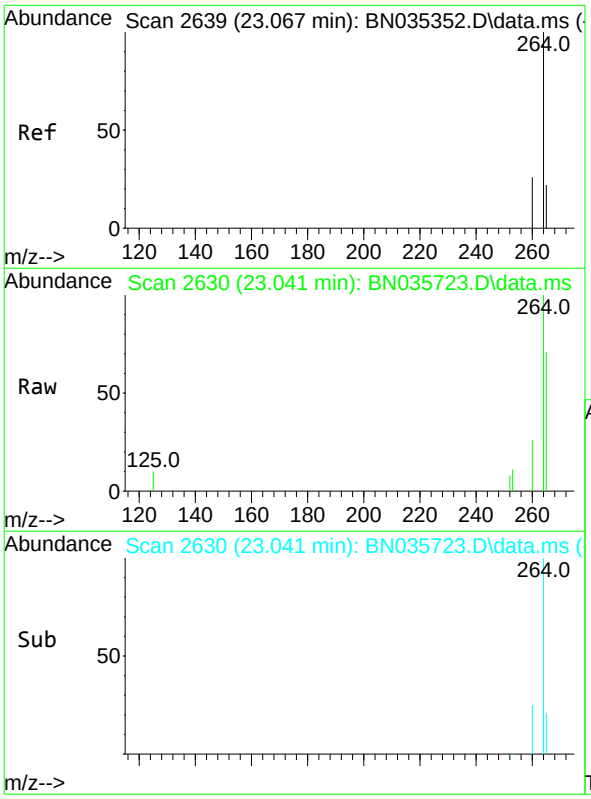
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

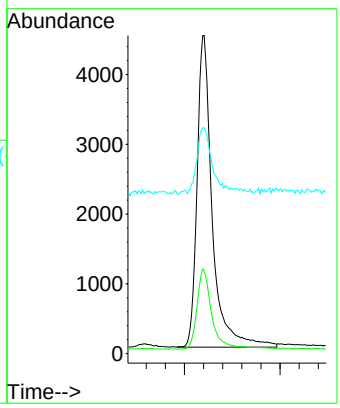




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.041 min Scan# 2630
Delta R.T. -0.000 min
Lab File: BN035723.D
Acq: 20 Dec 2024 02:34

Tgt Ion:264 Resp: 9842

Ion	Ratio	Lower	Upper
264	100		
260	26.0	21.4	32.2
265	71.0	40.2	60.4#



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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/10/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/11/24
Client Sample ID:	GM3-RW3-MW1-20241210	SDG No.:	P5261
Lab Sample ID:	P5261-11	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035724.D	1	12/12/24 10:30	12/20/24 03:10	PB165596

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.50		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.34		30 - 150		86%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.42		30 - 150		104%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.36		55 - 111		90%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.33		53 - 106		82%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.64	*	58 - 132		159%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3050	7.272				
1146-65-2	Naphthalene-d8	8140	10.02				
15067-26-2	Acenaphthene-d10	5080	13.935				
1517-22-2	Phenanthrene-d10	10200	16.698				
1719-03-5	Chrysene-d12	9250	20.956				
1520-96-3	Perylene-d12	9670	23.041				

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_N\Data\BN121924\
Data File : BN035724.D
Acq On : 20 Dec 2024 03:10
Operator : RC/JU
Sample : P5261-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GM3-RW3-MW1-20241210

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

Quant Time: Dec 20 03:56:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.272	152	3049	0.400	ng	0.00
7) Naphthalene-d8	10.020	136	8135	0.400	ng	# 0.00
13) Acenaphthene-d10	13.935	164	5075	0.400	ng	0.00
19) Phenanthrene-d10	16.698	188	10230	0.400	ng	# 0.00
29) Chrysene-d12	20.956	240	9246	0.400	ng	0.00
35) Perylene-d12	23.041	264	9666	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.939	112	765	0.100	ng	0.00
5) Phenol-d6	6.492	99	411	0.045	ng	0.00
8) Nitrobenzene-d5	8.418	82	1781m	0.358	ng	0.01
11) 2-Methylnaphthalene-d10	11.621	152	4363	0.343	ng	0.00
14) 2,4,6-Tribromophenol	15.453	330	711	0.197	ng	0.00
15) 2-Fluorobiphenyl	12.538	172	6264	0.327	ng	0.00
27) Fluoranthene-d10	18.761	212	12054	0.416	ng	0.00
31) Terphenyl-d14	19.388	244	11587	0.635	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.982	88	4289	1.471	ng	98
34) Bis(2-ethylhexyl)phtha...	20.911	149	1400	0.110	ng	96

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

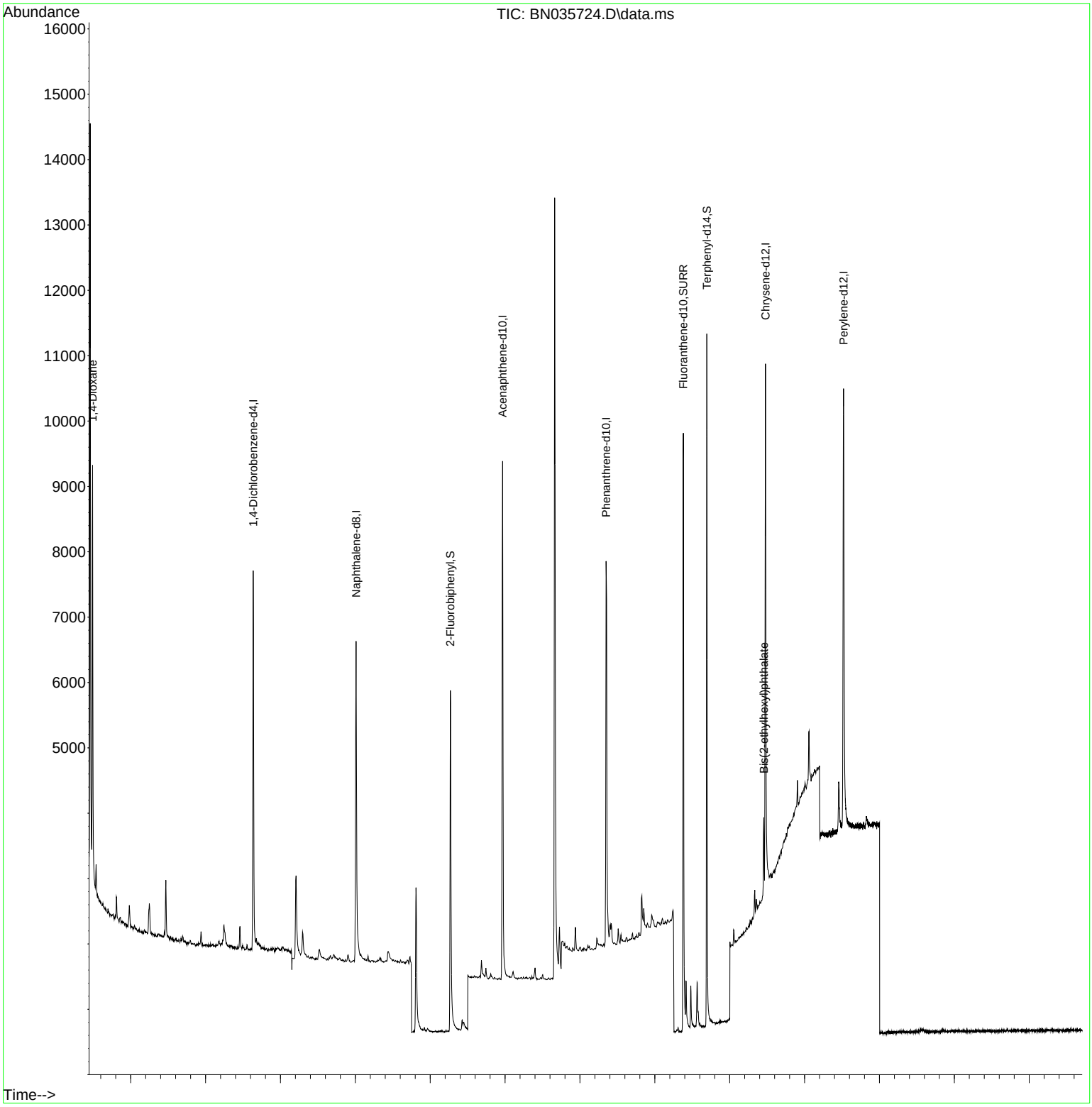
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035724.D
Acq On : 20 Dec 2024 03:10
Operator : RC/JU
Sample : P5261-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

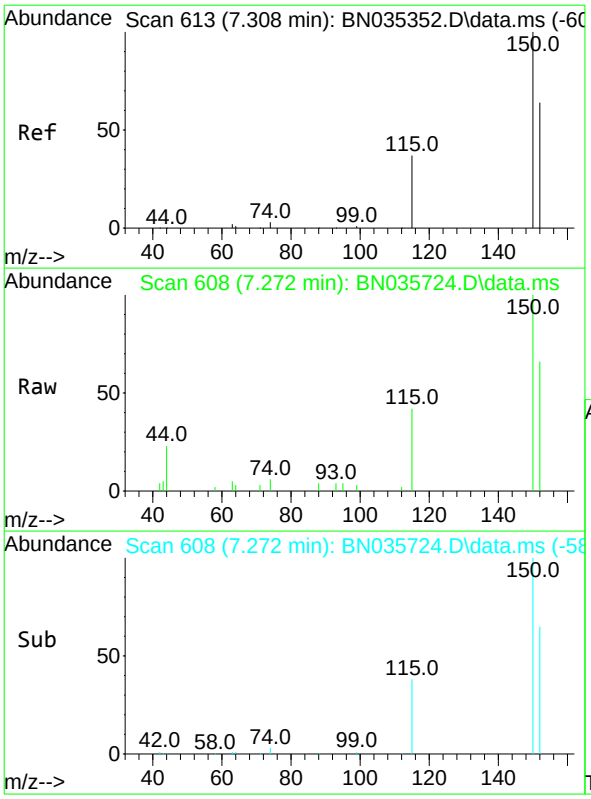
Quant Time: Dec 20 03:56:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GM3-RW3-MW1-20241210

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

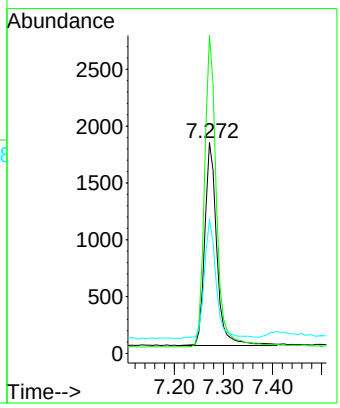




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.272 min Scan# 60
Delta R.T. -0.000 min
Lab File: BN035724.D
Acq: 20 Dec 2024 03:10

Tgt Ion:152 Resp: 3049

Ion	Ratio	Lower	Upper
152	100		
150	150.8	124.0	186.0
115	63.3	49.6	74.4



Instrument :
BNA_N
ClientSampleId :
GM3-RW3-MW1-20241210

Manual Integrations APPROVED

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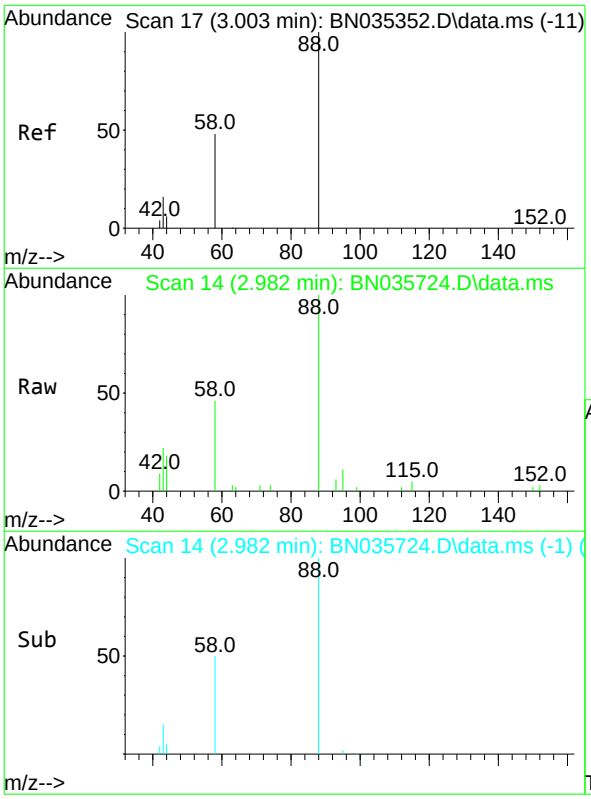
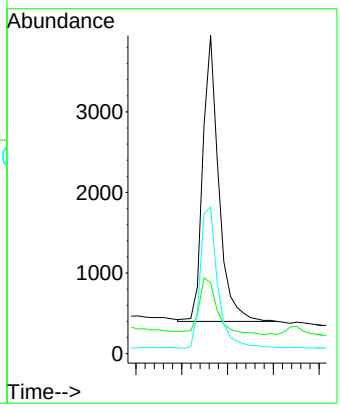
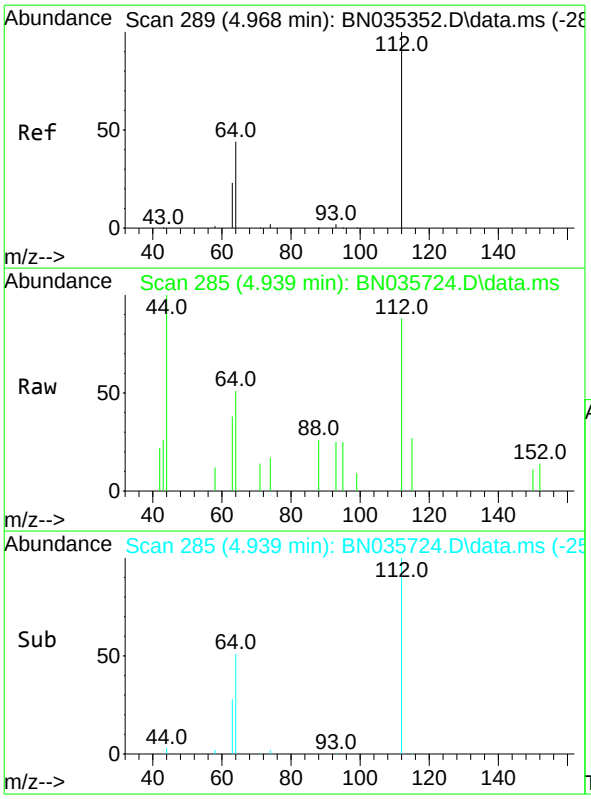


#2
1,4-Dioxane
Concen: 1.471 ng
RT: 2.982 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035724.D
Acq: 20 Dec 2024 03:10

Tgt Ion: 88 Resp: 4289

Ion	Ratio	Lower	Upper
88	100		
43	23.3	17.2	25.8
58	54.4	44.5	66.7

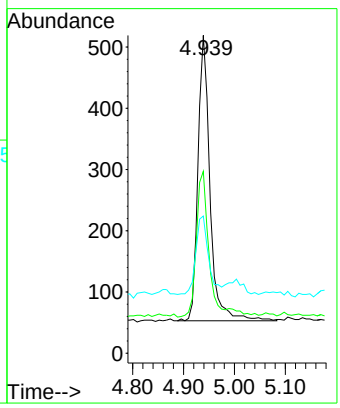




#4
2-Fluorophenol
Concen: 0.100 ng
RT: 4.939 min Scan# 28
Delta R.T. -0.000 min
Lab File: BN035724.D
Acq: 20 Dec 2024 03:10

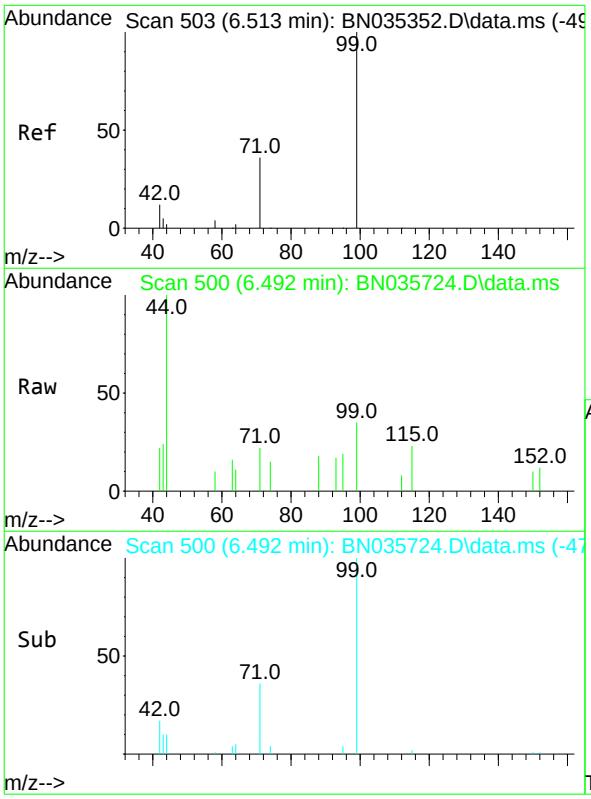
Tgt Ion:112 Resp: 765

Ion	Ratio	Lower	Upper
112	100		
64	51.5	39.8	59.8
63	32.0	21.0	31.6#



Instrument :
BNA_N
ClientSampleId :
GM3-RW3-MW1-20241210

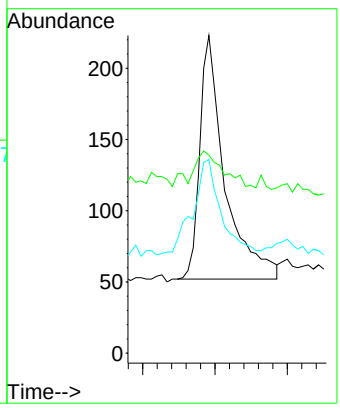
Manual Integrations
APPROVED
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

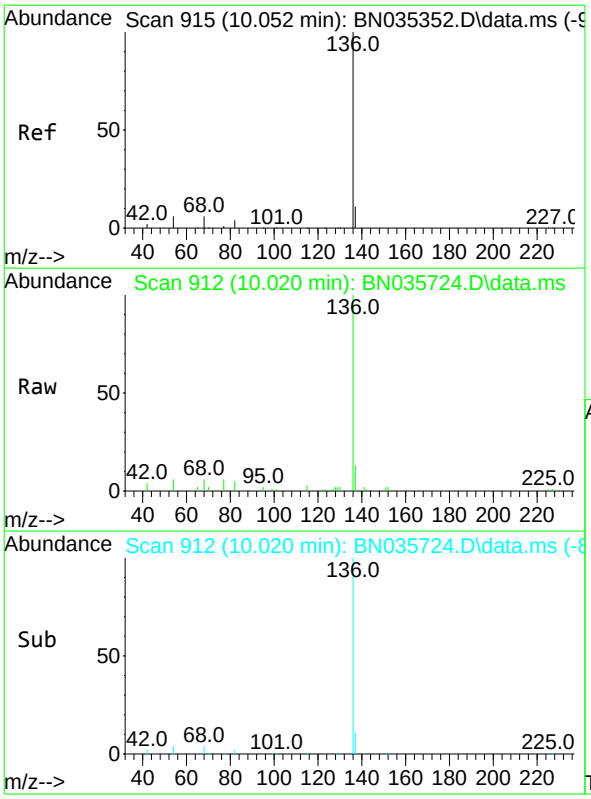


#5
Phenol-d6
Concen: 0.045 ng
RT: 6.492 min Scan# 500
Delta R.T. -0.000 min
Lab File: BN035724.D
Acq: 20 Dec 2024 03:10

Tgt Ion: 99 Resp: 411

Ion	Ratio	Lower	Upper
99	100		
42	26.3	11.4	17.2#
71	46.5	29.3	43.9#

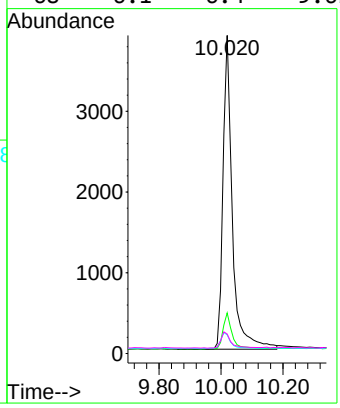




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.020 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN035724.D
Acq: 20 Dec 2024 03:10

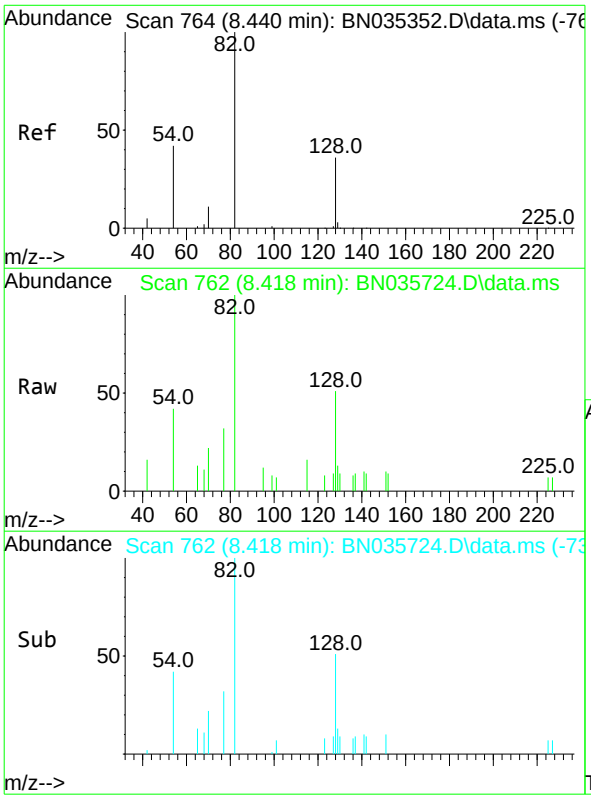
Tgt Ion:136 Resp: 8135

Ion	Ratio	Lower	Upper
136	100		
137	12.8	10.2	15.2
54	5.9	6.1	9.1#
68	6.1	6.4	9.6#



Instrument :
BNA_N
ClientSampleId :
GM3-RW3-MW1-20241210

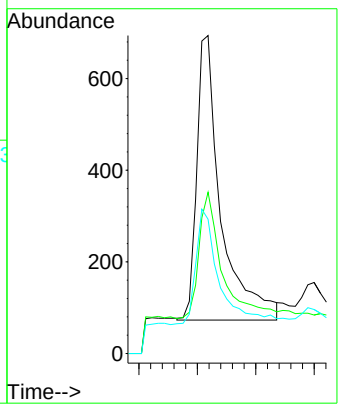
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

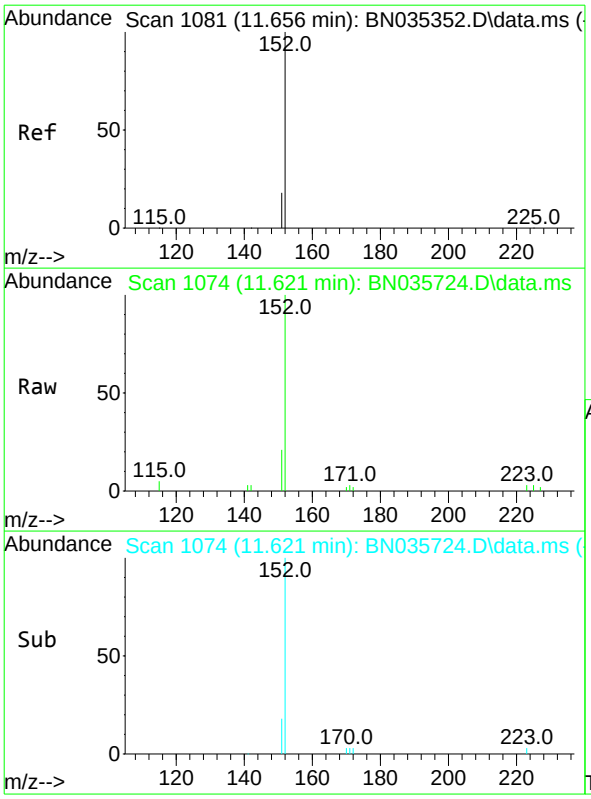


#8
Nitrobenzene-d5
Concen: 0.358 ng m
RT: 8.418 min Scan# 762
Delta R.T. 0.010 min
Lab File: BN035724.D
Acq: 20 Dec 2024 03:10

Tgt Ion: 82 Resp: 1781

Ion	Ratio	Lower	Upper
82	100		
128	50.7	33.4	50.0#
54	42.2	36.7	55.1

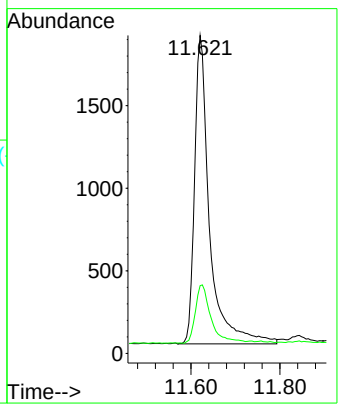




#11
2-Methylnaphthalene-d10
Concen: 0.343 ng
RT: 11.621 min Scan# 10
Delta R.T. -0.000 min
Lab File: BN035724.D
Acq: 20 Dec 2024 03:10

Tgt Ion:152 Resp: 4363

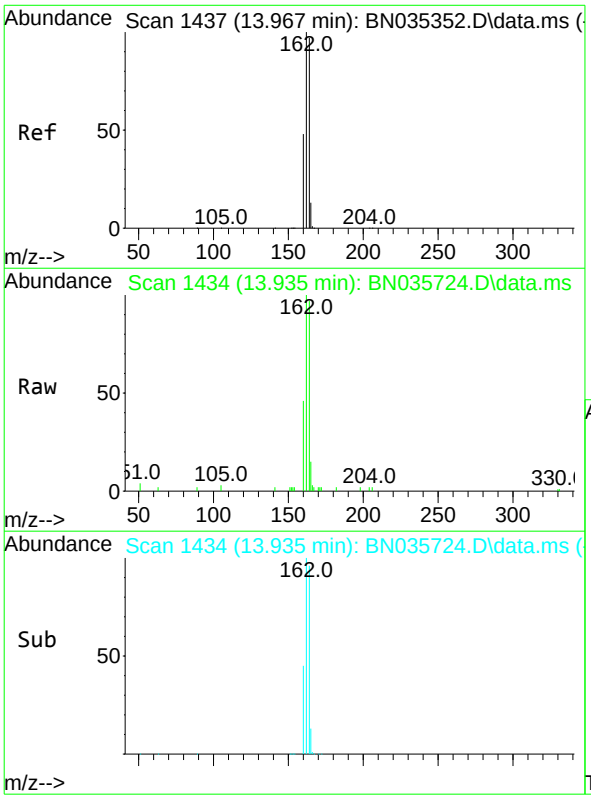
Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.6	25.0



Instrument :
BNA_N
ClientSampleId :
GM3-RW3-MW1-20241210

Manual Integrations
APPROVED

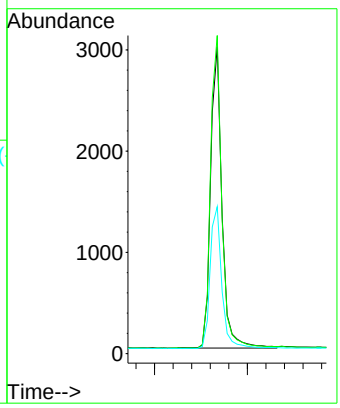
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

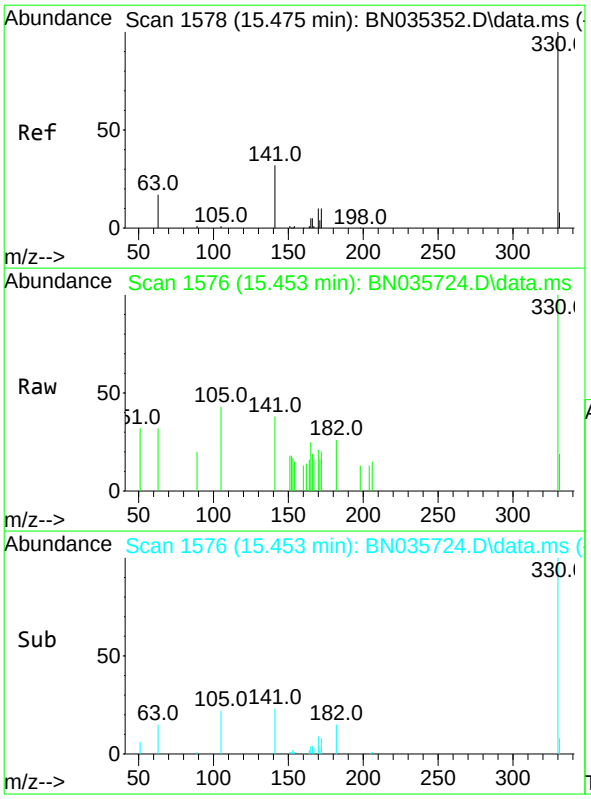


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.935 min Scan# 1434
Delta R.T. -0.000 min
Lab File: BN035724.D
Acq: 20 Dec 2024 03:10

Tgt Ion:164 Resp: 5075

Ion	Ratio	Lower	Upper
164	100		
162	103.6	82.2	123.2
160	47.8	40.1	60.1

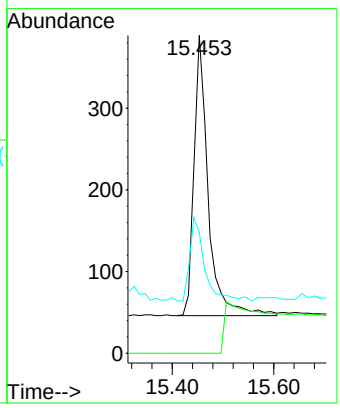




#14
2,4,6-Tribromophenol
Concen: 0.197 ng
RT: 15.453 min Scan# 15
Delta R.T. -0.000 min
Lab File: BN035724.D
Acq: 20 Dec 2024 03:10

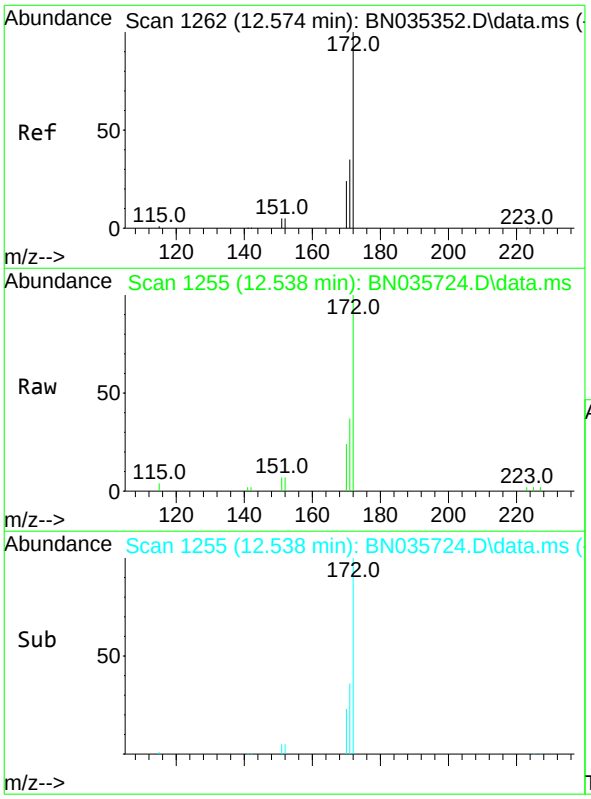
Tgt Ion:330 Resp: 711

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	30.1	26.6	40.0



Instrument :
BNA_N
ClientSampleId :
GM3-RW3-MW1-20241210

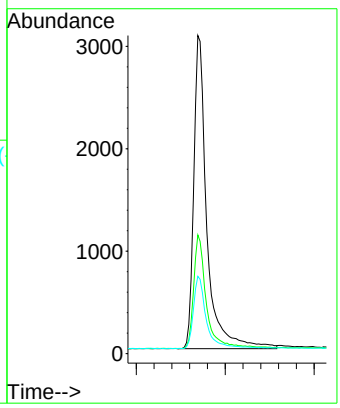
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

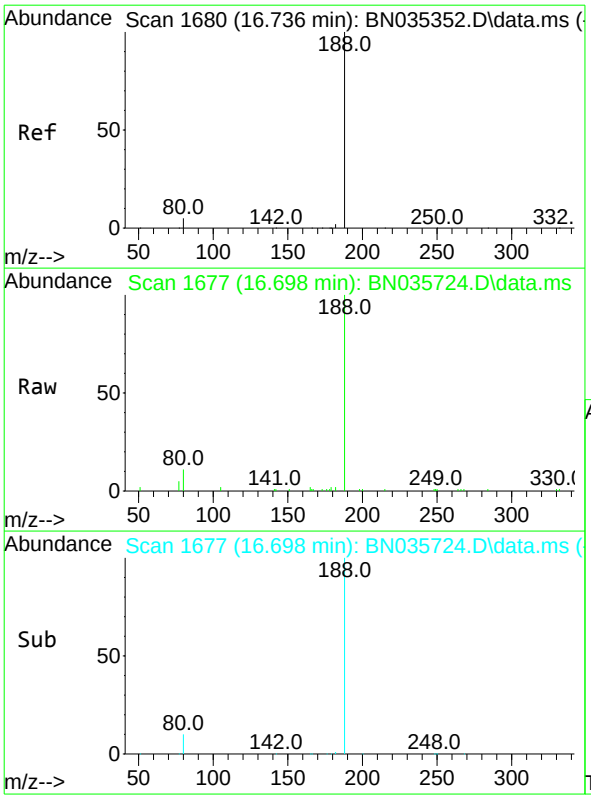


#15
2-Fluorobiphenyl
Concen: 0.327 ng
RT: 12.538 min Scan# 1255
Delta R.T. -0.005 min
Lab File: BN035724.D
Acq: 20 Dec 2024 03:10

Tgt Ion:172 Resp: 6264

Ion	Ratio	Lower	Upper
172	100		
171	37.3	29.0	43.4
170	24.3	19.8	29.8

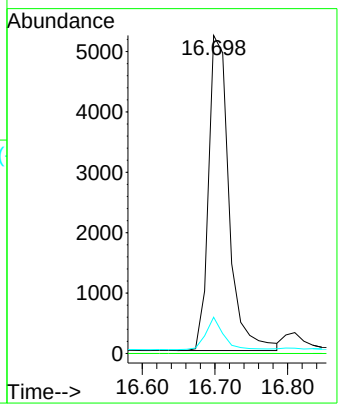




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.698 min Scan# 16
Delta R.T. -0.000 min
Lab File: BN035724.D
Acq: 20 Dec 2024 03:10

Tgt Ion:188 Resp: 10230

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.4	4.6	6.8#



Instrument :
BNA_N
ClientSampleId :
GM3-RW3-MW1-20241210

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/21/2024
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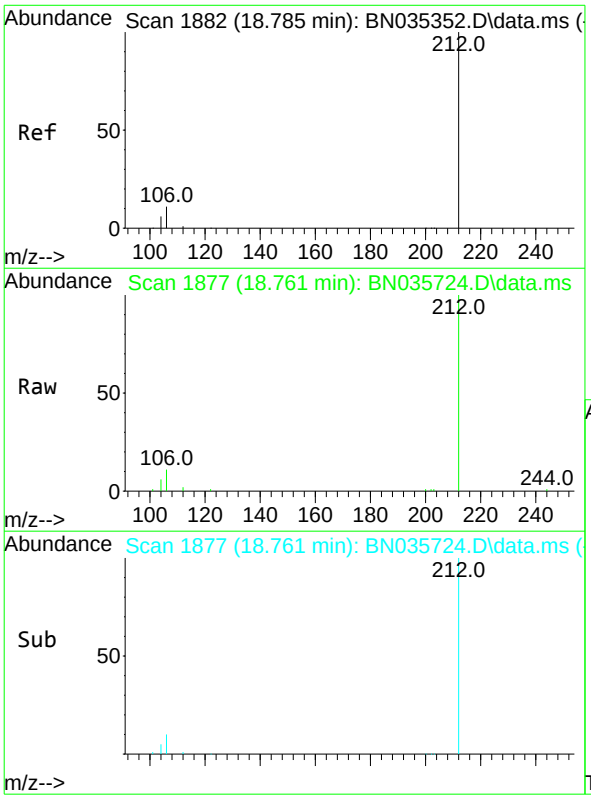
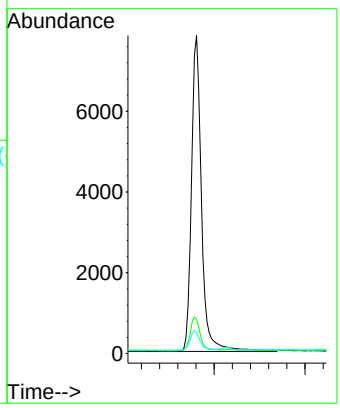
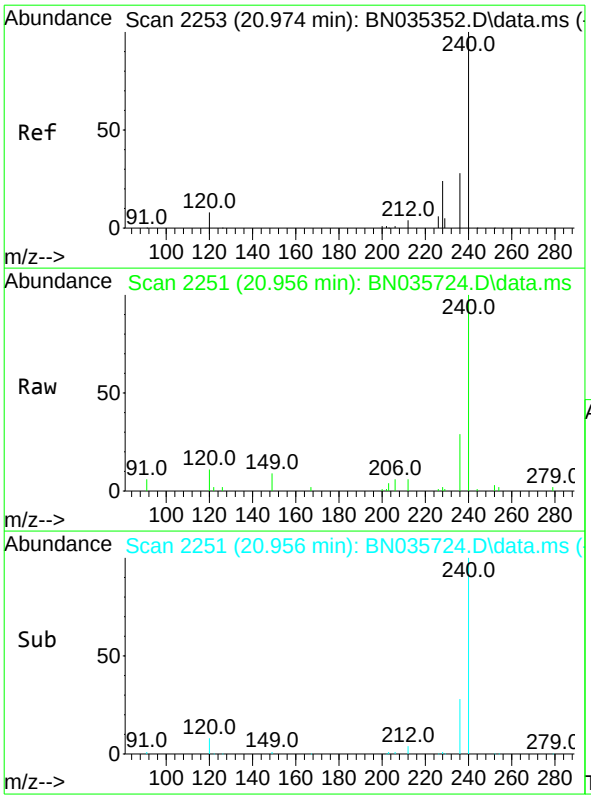


#27
Fluoranthene-d10
Concen: 0.416 ng
RT: 18.761 min Scan# 1877
Delta R.T. -0.000 min
Lab File: BN035724.D
Acq: 20 Dec 2024 03:10

Tgt Ion:212 Resp: 12054

Ion	Ratio	Lower	Upper
212	100		
106	10.5	9.2	13.8
104	6.0	5.3	7.9

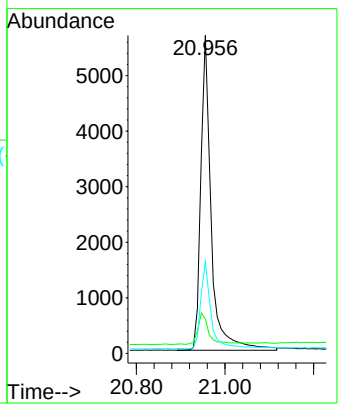




#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.956 min Scan# 22
Delta R.T. -0.000 min
Lab File: BN035724.D
Acq: 20 Dec 2024 03:10

Tgt Ion:240 Resp: 9246

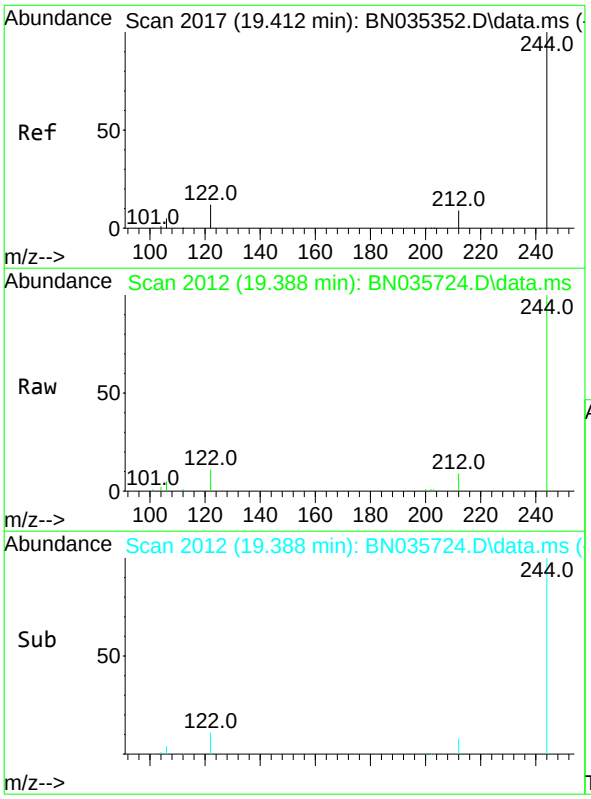
Ion	Ratio	Lower	Upper
240	100		
120	10.9	7.9	11.9
236	28.8	22.9	34.3



Instrument :
BNA_N
ClientSampleId :
GM3-RW3-MW1-20241210

Manual Integrations APPROVED

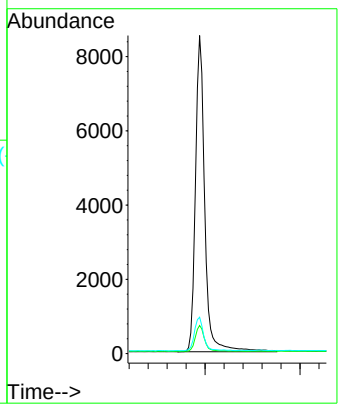
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

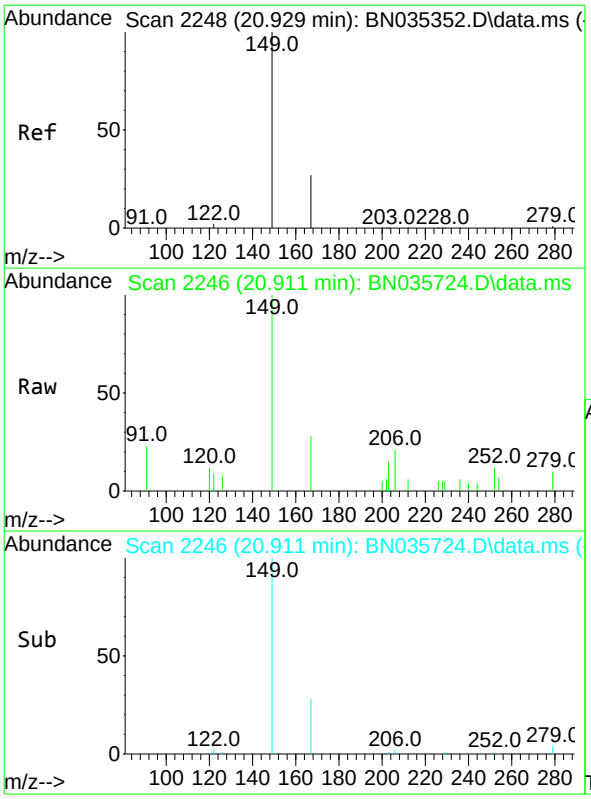


#31
Terphenyl-d14
Concen: 0.635 ng
RT: 19.388 min Scan# 2012
Delta R.T. -0.000 min
Lab File: BN035724.D
Acq: 20 Dec 2024 03:10

Tgt Ion:244 Resp: 11587

Ion	Ratio	Lower	Upper
244	100		
212	8.8	8.1	12.1
122	11.4	10.3	15.5





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.110 ng
RT: 20.911 min Scan# 22
Delta R.T. -0.000 min
Lab File: BN035724.D
Acq: 20 Dec 2024 03:10

Tgt Ion:149 Resp: 1400

Ion	Ratio	Lower	Upper
149	100		
167	25.2	22.2	33.4
279	3.4	2.7	4.1

Instrument :
BNA_N
ClientSampleId :
GM3-RW3-MW1-20241210

Manual Integrations
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Reviewed By :Yogesh Patel 12/21/2024
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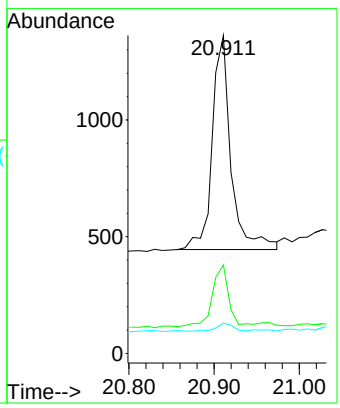
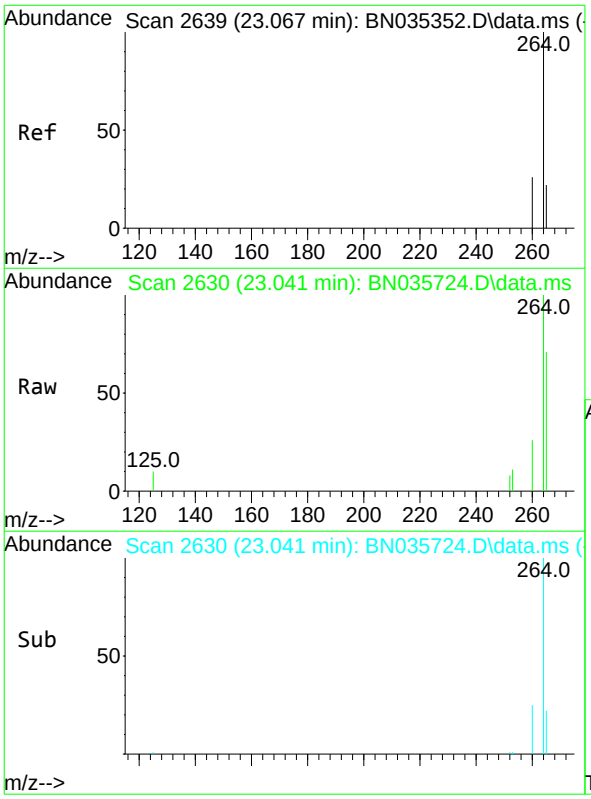
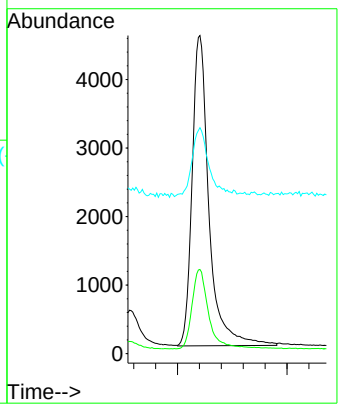




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.041 min Scan# 2630
Delta R.T. -0.000 min
Lab File: BN035724.D
Acq: 20 Dec 2024 03:10

Tgt Ion:264 Resp: 9666

Ion	Ratio	Lower	Upper
264	100		
260	26.5	21.4	32.2
265	71.0	40.2	60.4#



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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/10/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/11/24
Client Sample ID:	RE125D1-20241210	SDG No.:	P5261
Lab Sample ID:	P5261-12	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035734.D	1	12/12/24 10:30	12/20/24 10:29	PB165596

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	5.00	M	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.33		30 - 150		83%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.39		30 - 150		96%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.35		55 - 111		88%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.34		53 - 106		84%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.57	*	58 - 132		142%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3260	7.272				
1146-65-2	Naphthalene-d8	9190	10.02				
15067-26-2	Acenaphthene-d10	5650	13.924				
1517-22-2	Phenanthrene-d10	11700	16.698				
1719-03-5	Chrysene-d12	10100	20.956				
1520-96-3	Perylene-d12	11100	23.038				

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_N\Data\BN121924\
Data File : BN035734.D
Acq On : 20 Dec 2024 10:29
Operator : RC/JU
Sample : P5261-12
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 20 11:38:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.272	152	3263	0.400	ng	0.00
7) Naphthalene-d8	10.020	136	9192	0.400	ng	# 0.00
13) Acenaphthene-d10	13.924	164	5650	0.400	ng	-0.01
19) Phenanthrene-d10	16.698	188	11736	0.400	ng	# 0.00
29) Chrysene-d12	20.956	240	10093	0.400	ng	0.00
35) Perylene-d12	23.038	264	11111	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.939	112	901	0.110	ng	0.00
5) Phenol-d6	6.484	99	526	0.054	ng	0.00
8) Nitrobenzene-d5	8.408	82	1971m	0.351	ng	0.00
11) 2-Methylnaphthalene-d10	11.616	152	4807	0.334	ng	0.00
14) 2,4,6-Tribromophenol	15.453	330	826	0.206	ng	0.00
15) 2-Fluorobiphenyl	12.539	172	7160	0.335	ng	0.00
27) Fluoranthene-d10	18.757	212	12798	0.385	ng	0.00
31) Terphenyl-d14	19.389	244	11302	0.568	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.982	88	15457	4.955	ng	100
34) Bis(2-ethylhexyl)phtha...	20.902	149	1655	0.119	ng	# 98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035734.D
Acq On : 20 Dec 2024 10:29
Operator : RC/JU
Sample : P5261-12
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 20 11:38:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210

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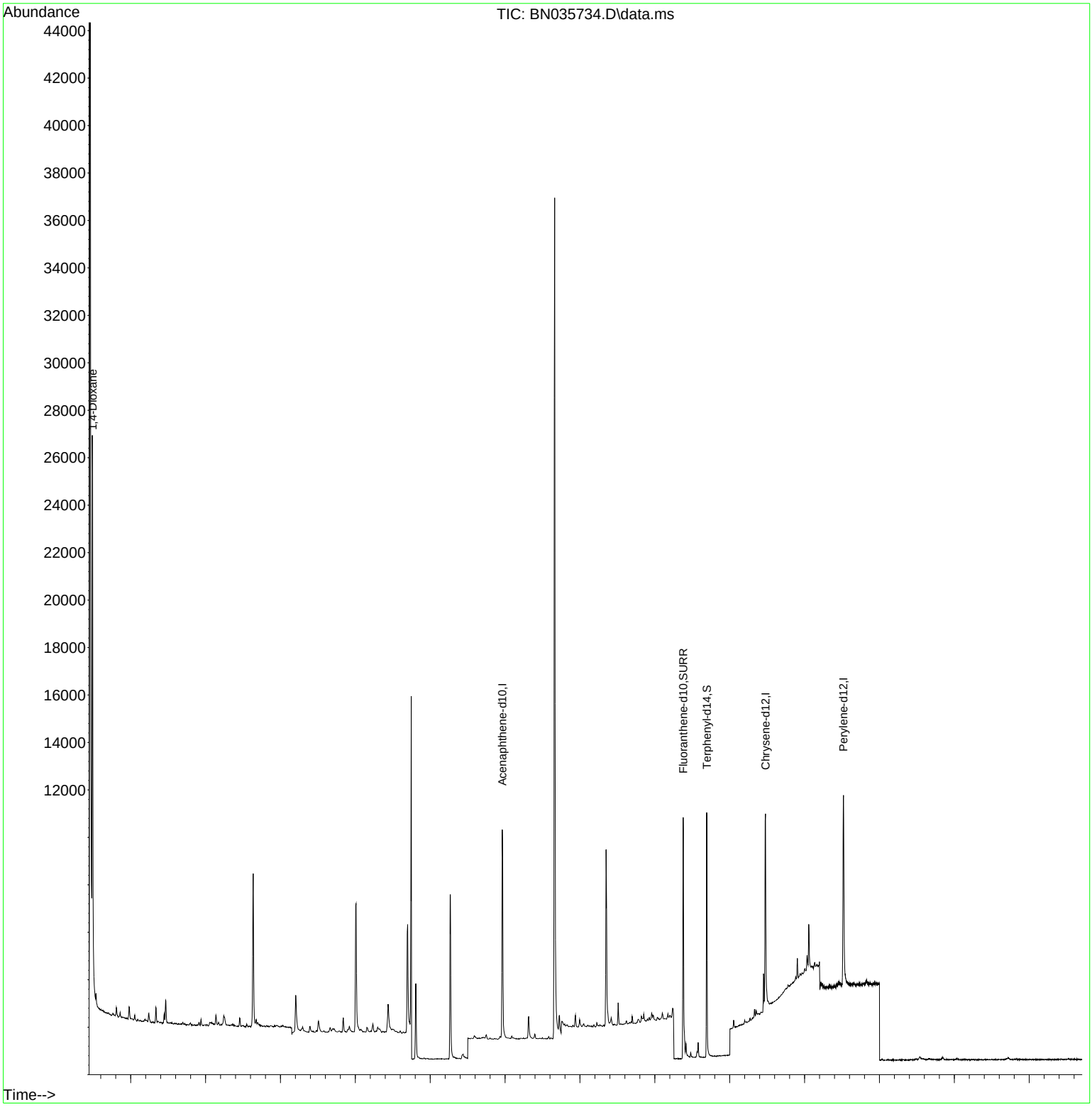
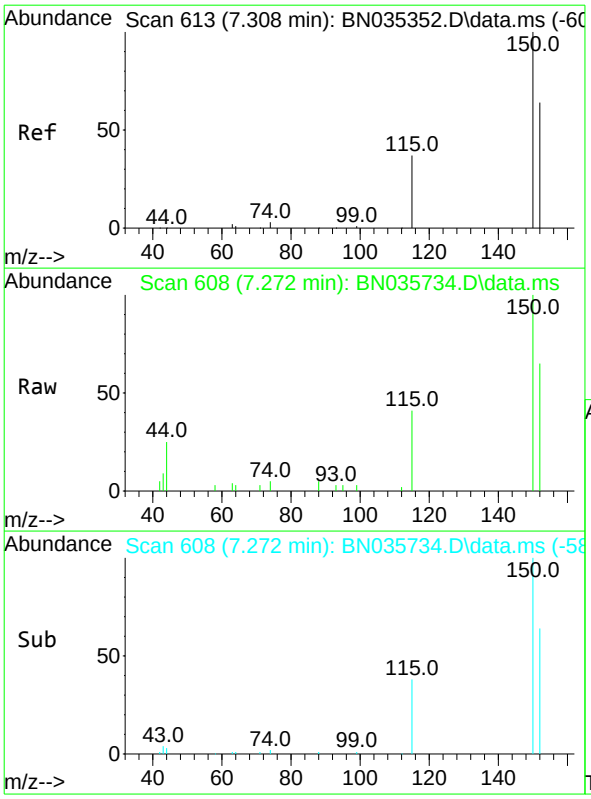
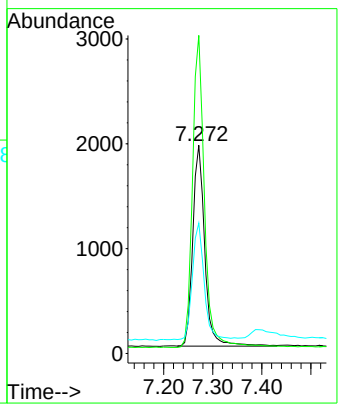




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.272 min Scan# 60
Delta R.T. -0.000 min
Lab File: BN035734.D
Acq: 20 Dec 2024 10:29

Tgt Ion:152 Resp: 3263

Ion	Ratio	Lower	Upper
152	100		
150	152.8	124.0	186.0
115	62.6	49.6	74.4



Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210

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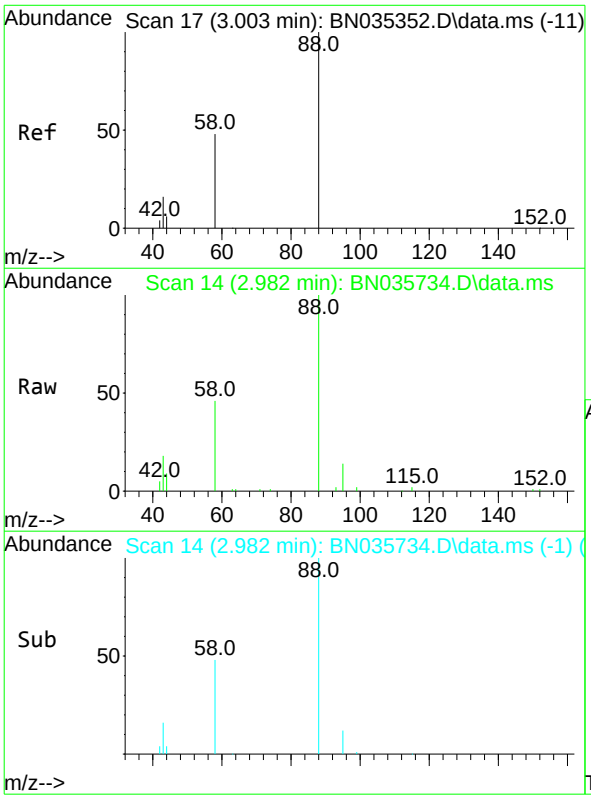
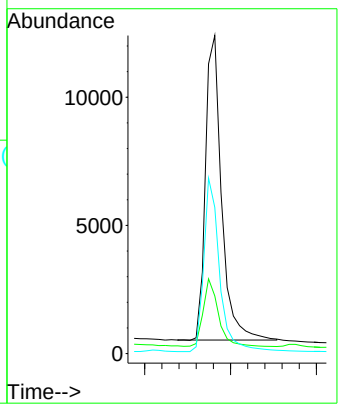
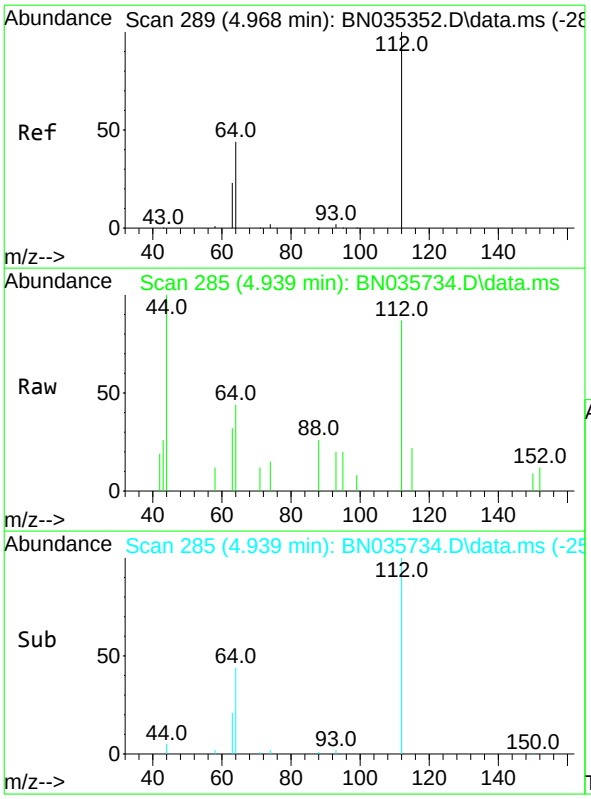


#2
1,4-Dioxane
Concen: 4.955 ng
RT: 2.982 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035734.D
Acq: 20 Dec 2024 10:29

Tgt Ion: 88 Resp: 15457

Ion	Ratio	Lower	Upper
88	100		
43	20.9	17.2	25.8
58	55.7	44.5	66.7





#4
2-Fluorophenol
Concen: 0.110 ng
RT: 4.939 min Scan# 28
Delta R.T. -0.000 min
Lab File: BN035734.D
Acq: 20 Dec 2024 10:29

Tgt Ion:112 Resp: 901

Ion	Ratio	Lower	Upper
112	100		
64	51.1	39.8	59.8
63	27.4	21.0	31.6

Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210

Manual Integrations
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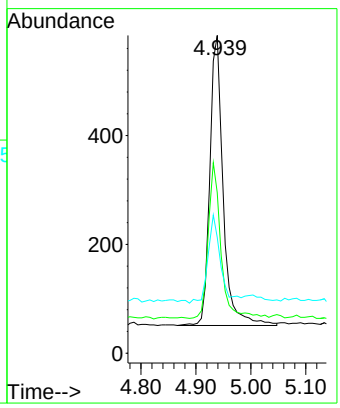
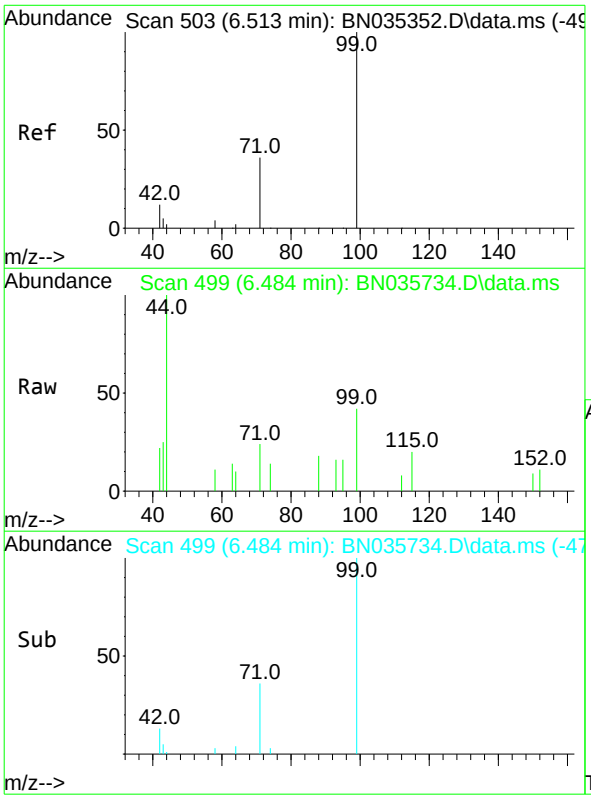
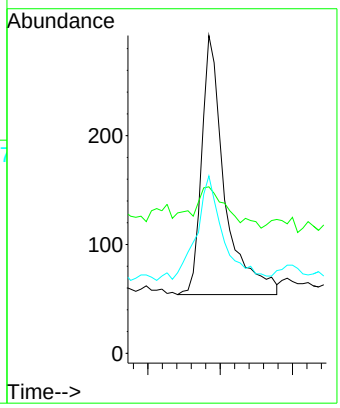


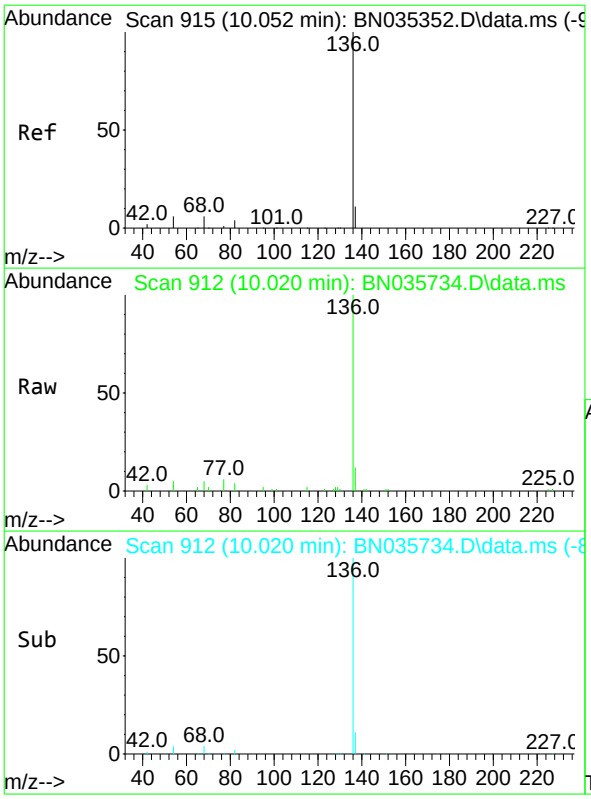


#5
Phenol-d6
Concen: 0.054 ng
RT: 6.484 min Scan# 499
Delta R.T. -0.007 min
Lab File: BN035734.D
Acq: 20 Dec 2024 10:29

Tgt Ion: 99 Resp: 526

Ion	Ratio	Lower	Upper
99	100		
42	19.2	11.4	17.2#
71	47.3	29.3	43.9#

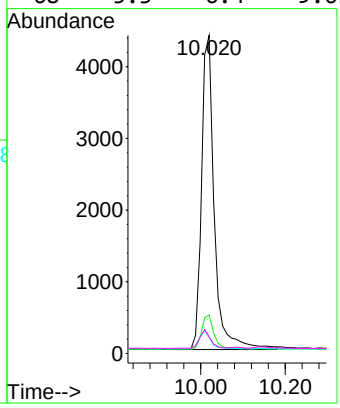




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.020 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN035734.D
Acq: 20 Dec 2024 10:29

Tgt Ion:136 Resp: 9192

Ion	Ratio	Lower	Upper
136	100		
137	12.1	10.2	15.2
54	5.0	6.1	9.1#
68	5.3	6.4	9.6#



Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210

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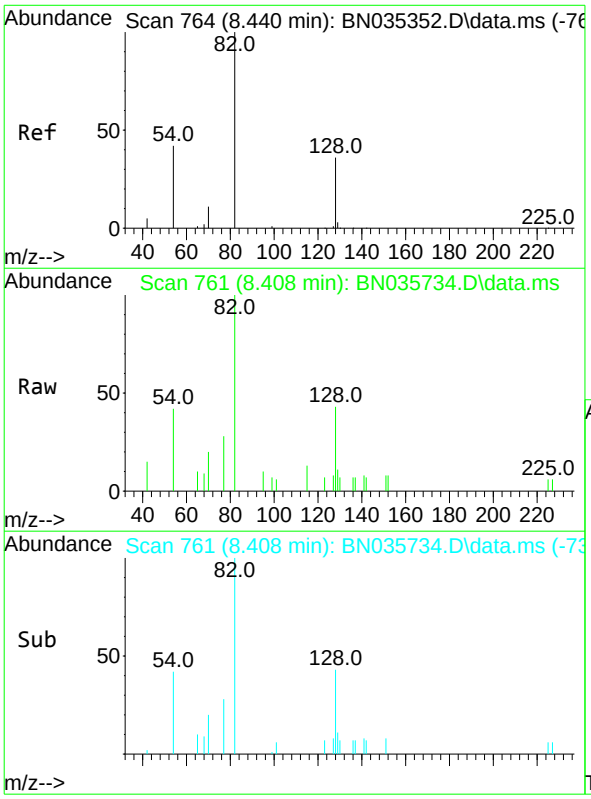
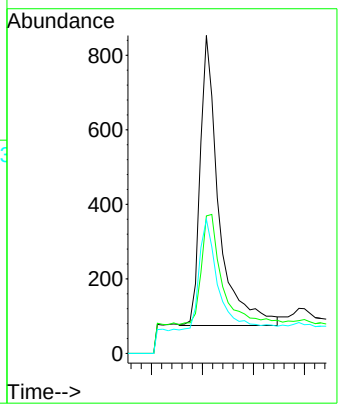
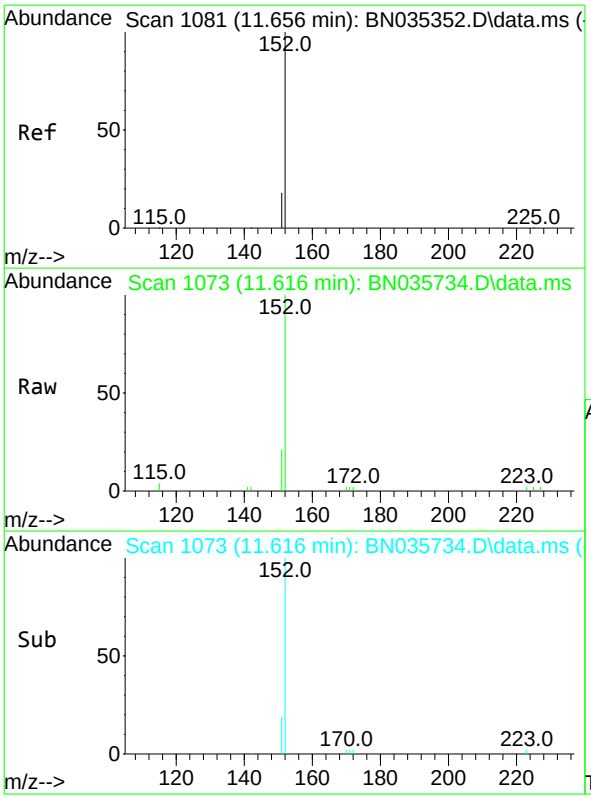


#8
Nitrobenzene-d5
Concen: 0.351 ng m
RT: 8.408 min Scan# 761
Delta R.T. -0.000 min
Lab File: BN035734.D
Acq: 20 Dec 2024 10:29

Tgt Ion: 82 Resp: 1971

Ion	Ratio	Lower	Upper
82	100		
128	43.3	33.4	50.0
54	42.2	36.7	55.1

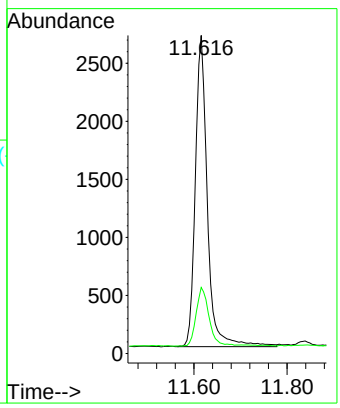




#11
2-Methylnaphthalene-d10
Concen: 0.334 ng
RT: 11.616 min Scan# 10
Delta R.T. -0.005 min
Lab File: BN035734.D
Acq: 20 Dec 2024 10:29

Tgt Ion:152 Resp: 4807

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.6	25.0



Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210

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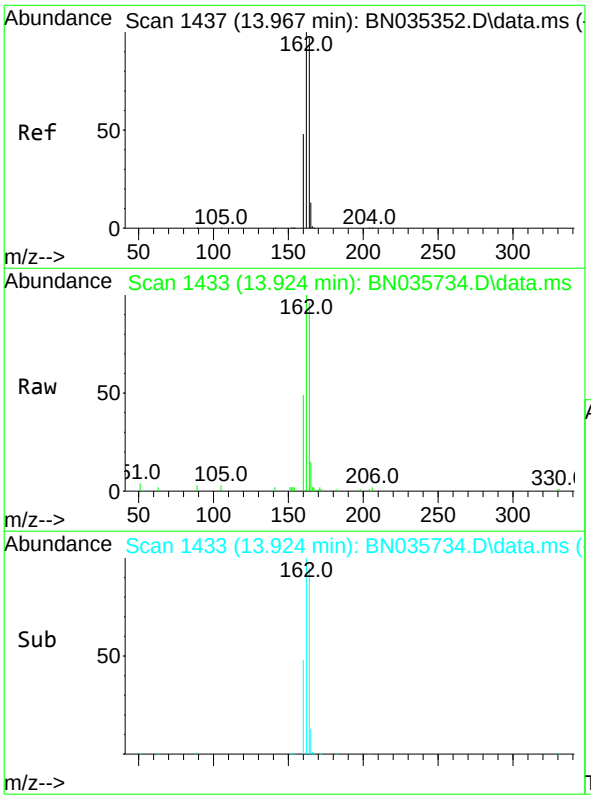
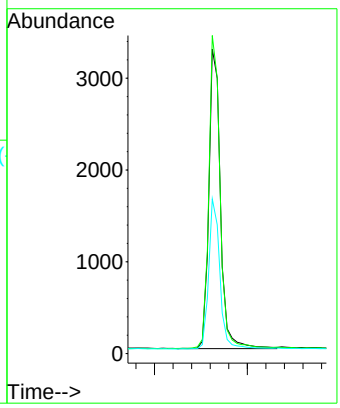
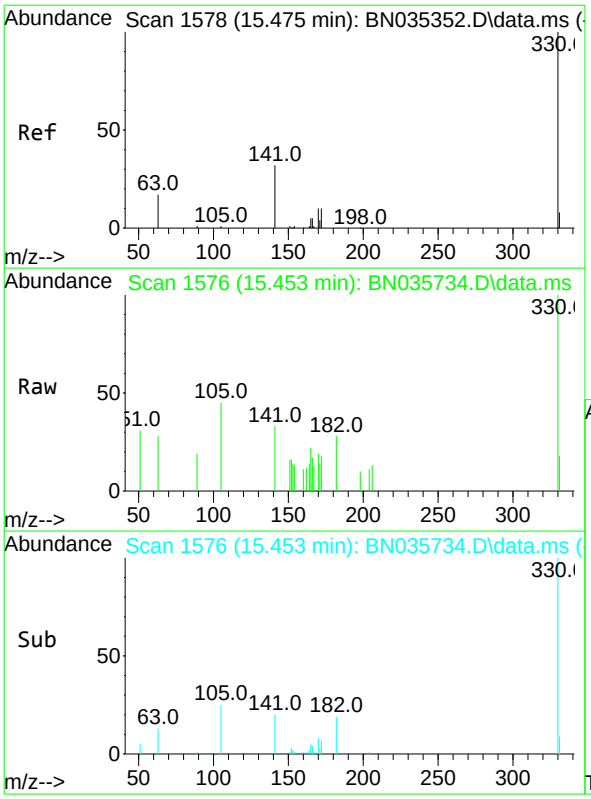


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.924 min Scan# 1433
Delta R.T. -0.011 min
Lab File: BN035734.D
Acq: 20 Dec 2024 10:29

Tgt Ion:164 Resp: 5650

Ion	Ratio	Lower	Upper
164	100		
162	104.5	82.2	123.2
160	50.8	40.1	60.1

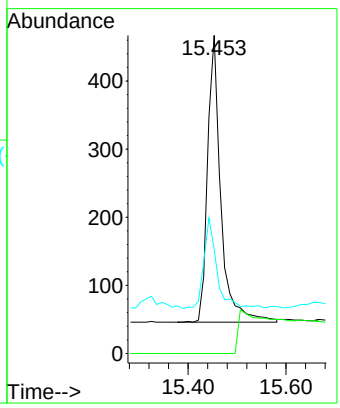




#14
2,4,6-Tribromophenol
Concen: 0.206 ng
RT: 15.453 min Scan# 15
Delta R.T. -0.000 min
Lab File: BN035734.D
Acq: 20 Dec 2024 10:29

Tgt Ion:330 Resp: 826

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	31.1	26.6	40.0



Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210

Manual Integrations
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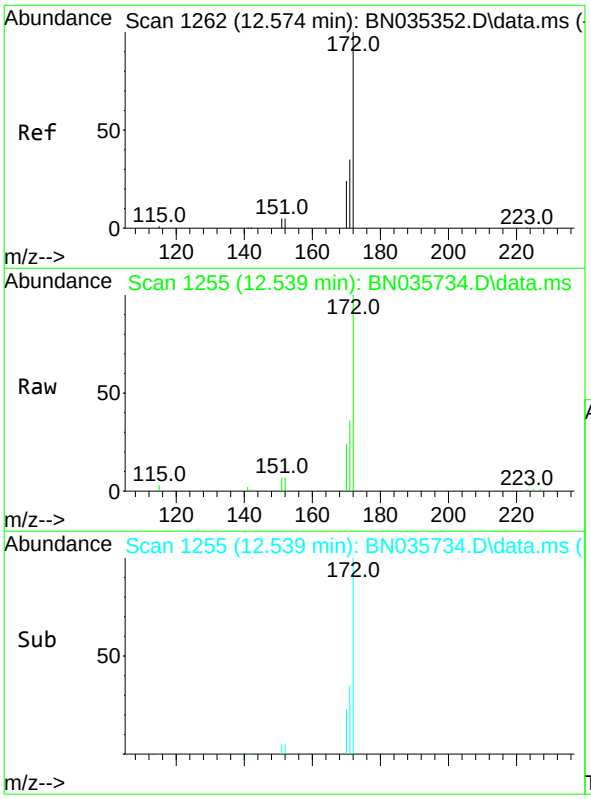
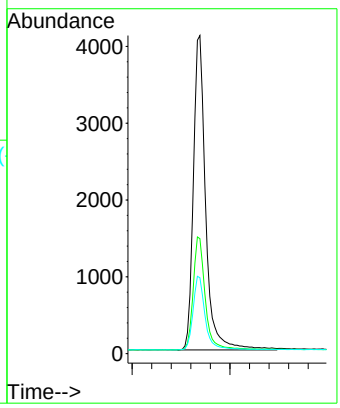
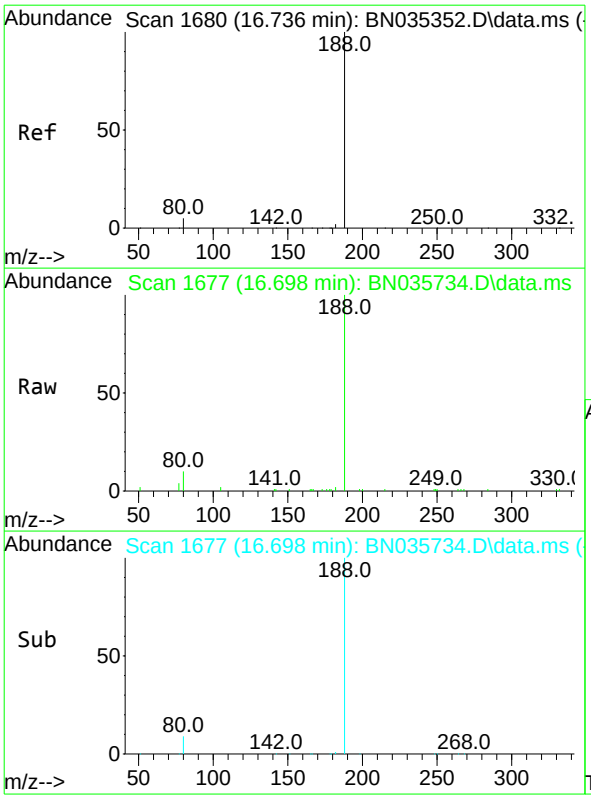


#15
2-Fluorobiphenyl
Concen: 0.335 ng
RT: 12.539 min Scan# 1255
Delta R.T. -0.005 min
Lab File: BN035734.D
Acq: 20 Dec 2024 10:29

Tgt Ion:172 Resp: 7160

Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.0	43.4
170	23.9	19.8	29.8

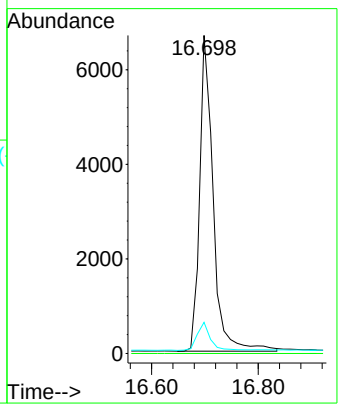




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.698 min Scan# 16
Delta R.T. -0.000 min
Lab File: BN035734.D
Acq: 20 Dec 2024 10:29

Tgt Ion:188 Resp: 11736

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.8	4.6	6.8#



Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210

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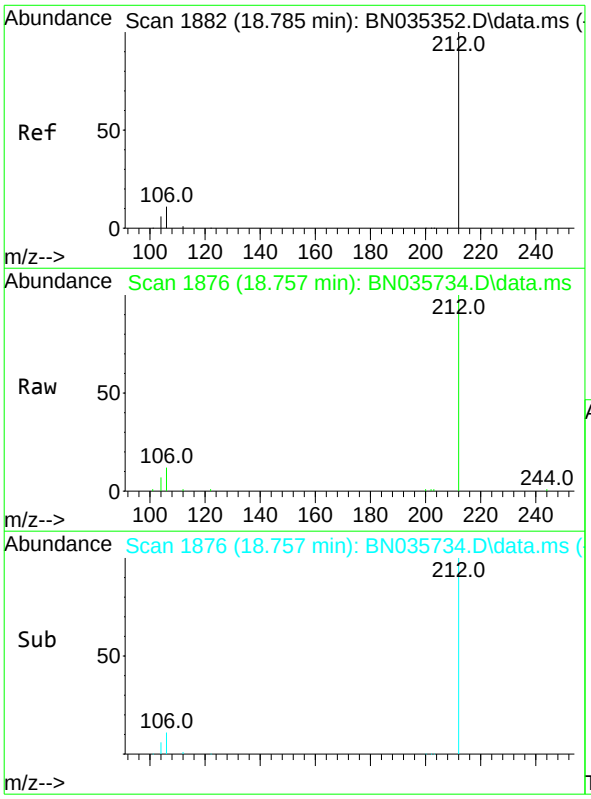
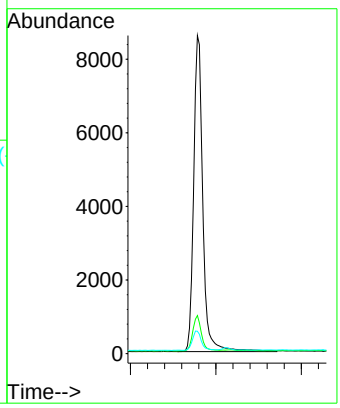
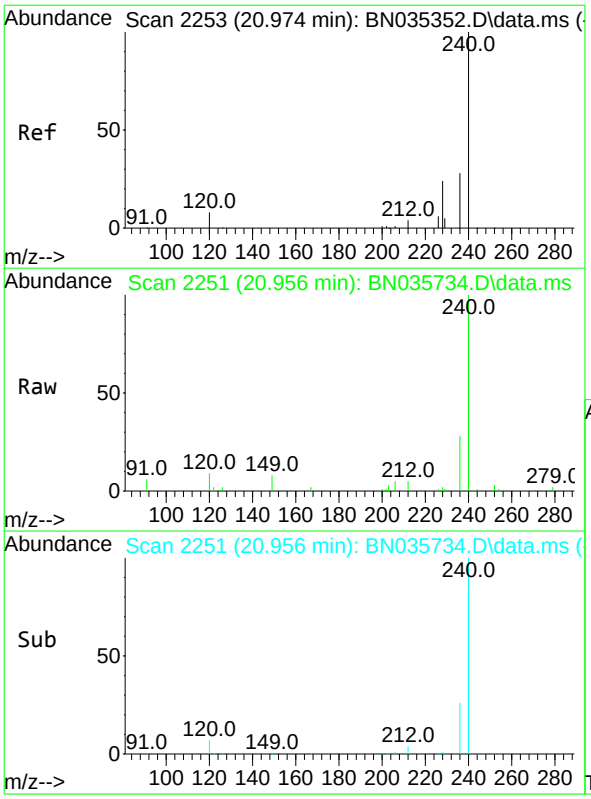


#27
Fluoranthene-d10
Concen: 0.385 ng
RT: 18.757 min Scan# 1876
Delta R.T. -0.005 min
Lab File: BN035734.D
Acq: 20 Dec 2024 10:29

Tgt Ion:212 Resp: 12798

Ion	Ratio	Lower	Upper
212	100		
106	10.5	9.2	13.8
104	6.0	5.3	7.9

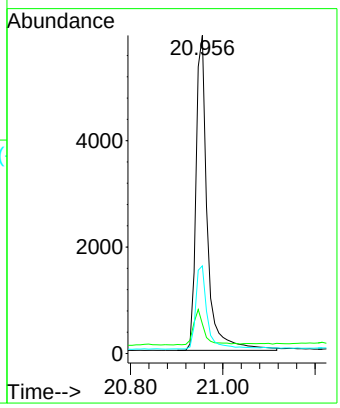




#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.956 min Scan# 22
Delta R.T. -0.000 min
Lab File: BN035734.D
Acq: 20 Dec 2024 10:29

Tgt Ion:240 Resp: 10093

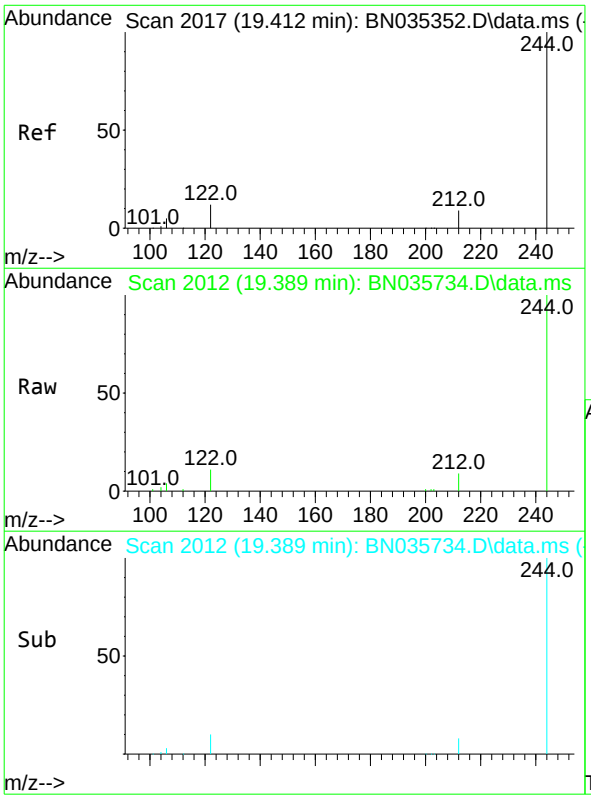
Ion	Ratio	Lower	Upper
240	100		
120	9.3	7.9	11.9
236	27.6	22.9	34.3



Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210

Manual Integrations
APPROVED

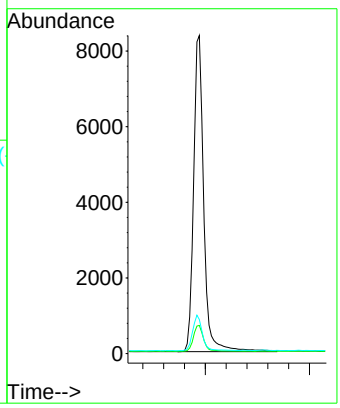
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

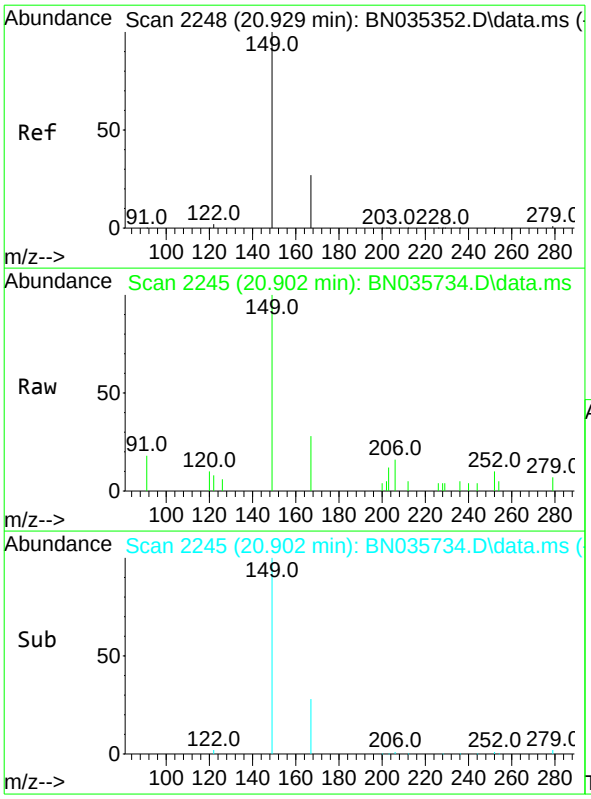


#31
Terphenyl-d14
Concen: 0.568 ng
RT: 19.389 min Scan# 2012
Delta R.T. -0.000 min
Lab File: BN035734.D
Acq: 20 Dec 2024 10:29

Tgt Ion:244 Resp: 11302

Ion	Ratio	Lower	Upper
244	100		
212	8.9	8.1	12.1
122	10.7	10.3	15.5

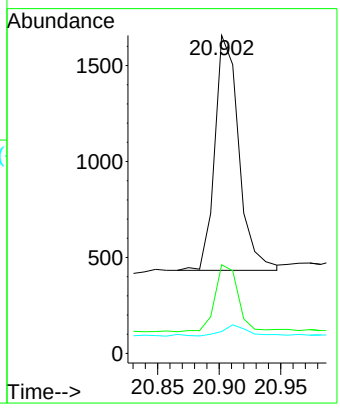




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.119 ng
RT: 20.902 min Scan# 22
Delta R.T. -0.009 min
Lab File: BN035734.D
Acq: 20 Dec 2024 10:29

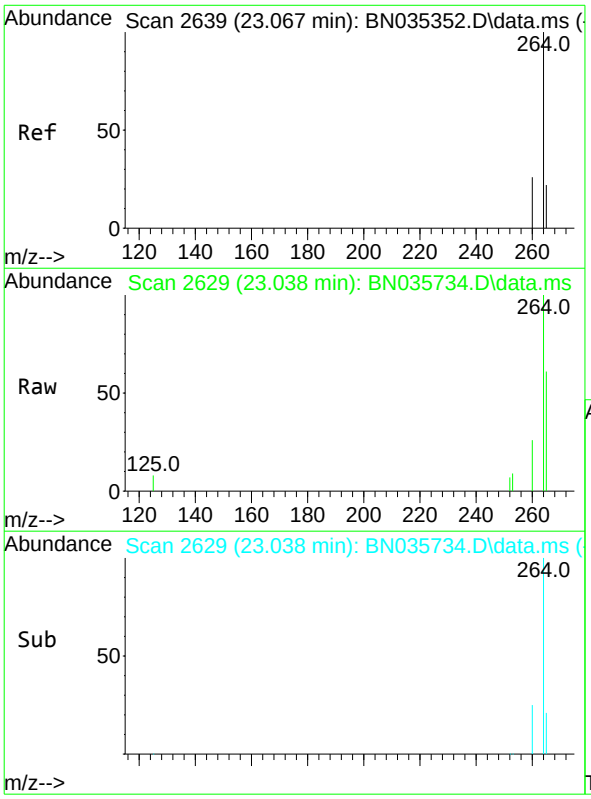
Tgt Ion:149 Resp: 1655

Ion	Ratio	Lower	Upper
149	100		
167	28.5	22.2	33.4
279	5.0	2.7	4.1#



Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210

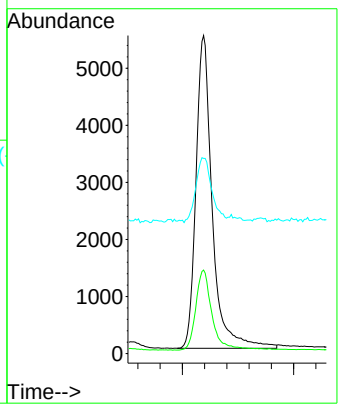
Manual Integrations
APPROVED
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.038 min Scan# 2629
Delta R.T. -0.003 min
Lab File: BN035734.D
Acq: 20 Dec 2024 10:29

Tgt Ion:264 Resp: 11111

Ion	Ratio	Lower	Upper
264	100		
260	26.3	21.4	32.2
265	61.4	40.2	60.4#



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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/10/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/11/24
Client Sample ID:	RE125D2-20241210	SDG No.:	P5261
Lab Sample ID:	P5261-15	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	890 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035726.D	1	12/12/24 10:30	12/20/24 04:22	PB165596

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	8.00	E	0.080	0.22	0.22	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.32		30 - 150		81%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.41		30 - 150		101%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.39		55 - 111		96%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.31		53 - 106		78%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.59	*	58 - 132		148%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2950	7.271				
1146-65-2	Naphthalene-d8	7530	10.02				
15067-26-2	Acenaphthene-d10	4790	13.935				
1517-22-2	Phenanthrene-d10	9510	16.698				
1719-03-5	Chrysene-d12	8460	20.956				
1520-96-3	Perylene-d12	9190	23.044				

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_N\Data\BN121924\
Data File : BN035726.D
Acq On : 20 Dec 2024 04:22
Operator : RC/JU
Sample : P5261-15
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 20 04:43:58 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
RE125D2-20241210

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.271	152	2948	0.400	ng	0.00
7) Naphthalene-d8	10.020	136	7525	0.400	ng	# 0.00
13) Acenaphthene-d10	13.935	164	4789	0.400	ng	0.00
19) Phenanthrene-d10	16.698	188	9505	0.400	ng	# 0.00
29) Chrysene-d12	20.956	240	8457	0.400	ng	0.00
35) Perylene-d12	23.044	264	9186	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.939	112	882	0.120	ng	0.00
5) Phenol-d6	6.492	99	557	0.063	ng	0.00
8) Nitrobenzene-d5	8.418	82	1770m	0.385	ng	0.01
11) 2-Methylnaphthalene-d10	11.621	152	3810	0.324	ng	0.00
14) 2,4,6-Tribromophenol	15.453	330	632	0.186	ng	0.00
15) 2-Fluorobiphenyl	12.538	172	5628	0.311	ng	0.00
27) Fluoranthene-d10	18.761	212	10917	0.405	ng	0.00
31) Terphenyl-d14	19.388	244	9852	0.591	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.974	88	19948	7.078	ng	98
34) Bis(2-ethylhexyl)phtha...	20.902	149	7348	0.629	ng	97

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035726.D
Acq On : 20 Dec 2024 04:22
Operator : RC/JU
Sample : P5261-15
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 20 04:43:58 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
RE125D2-20241210

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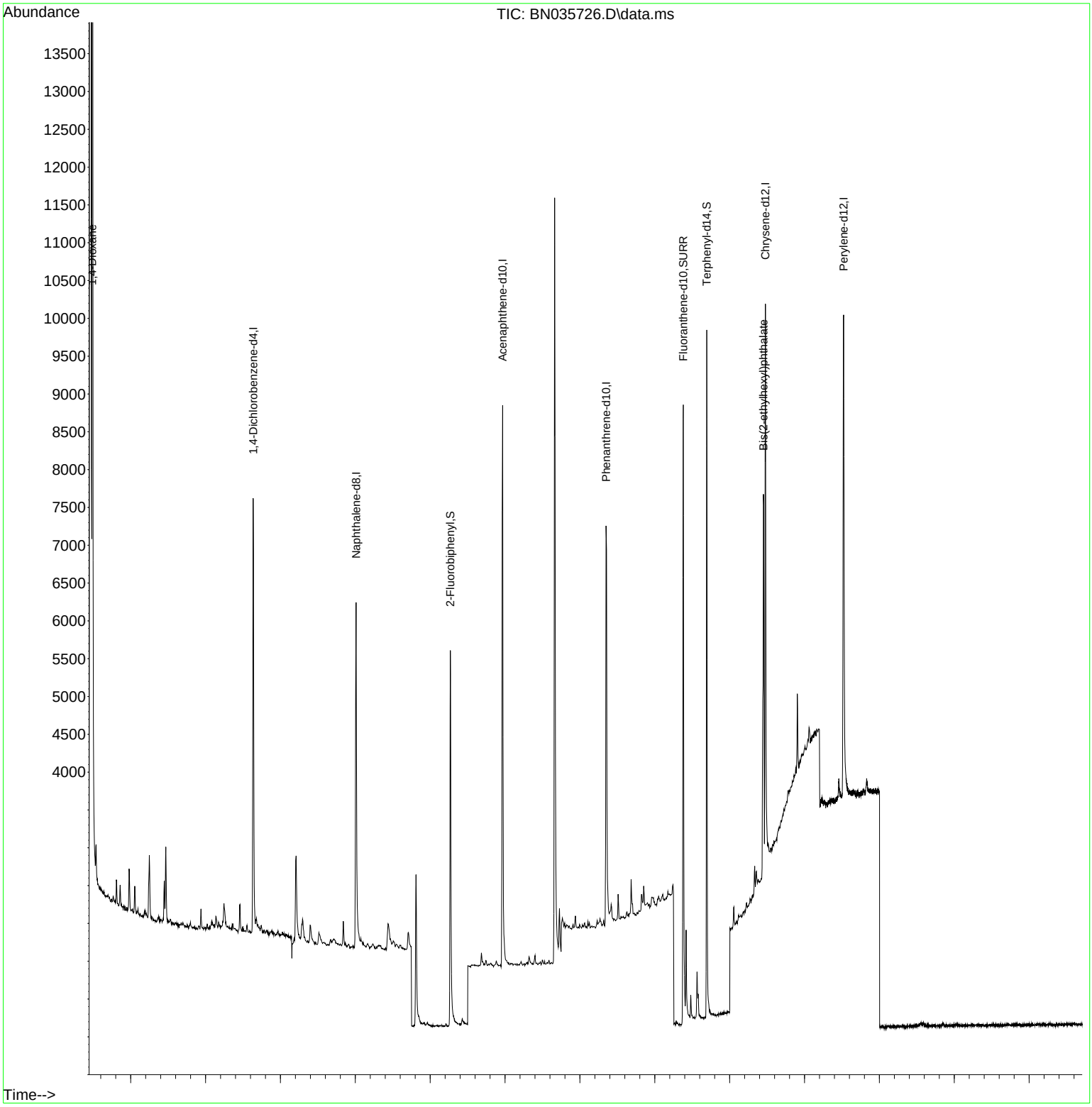
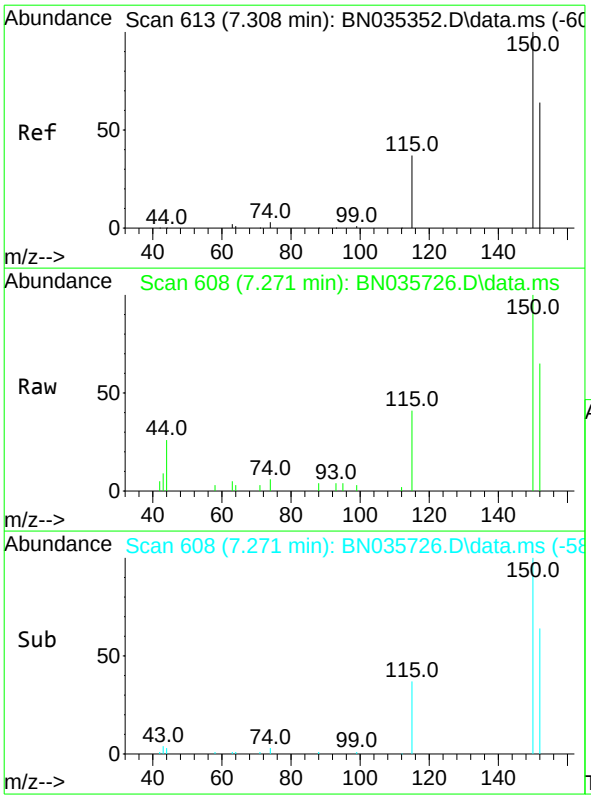
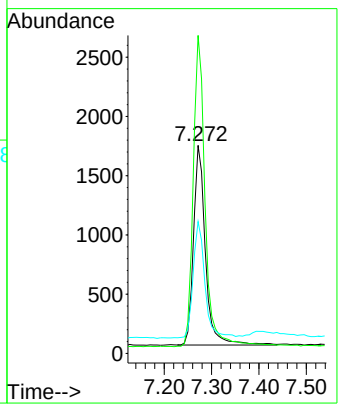




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.271 min Scan# 60
Delta R.T. -0.001 min
Lab File: BN035726.D
Acq: 20 Dec 2024 04:22

Tgt Ion:152 Resp: 2948

Ion	Ratio	Lower	Upper
152	100		
150	152.8	124.0	186.0
115	63.4	49.6	74.4



Instrument :
BNA_N
ClientSampleId :
RE125D2-20241210

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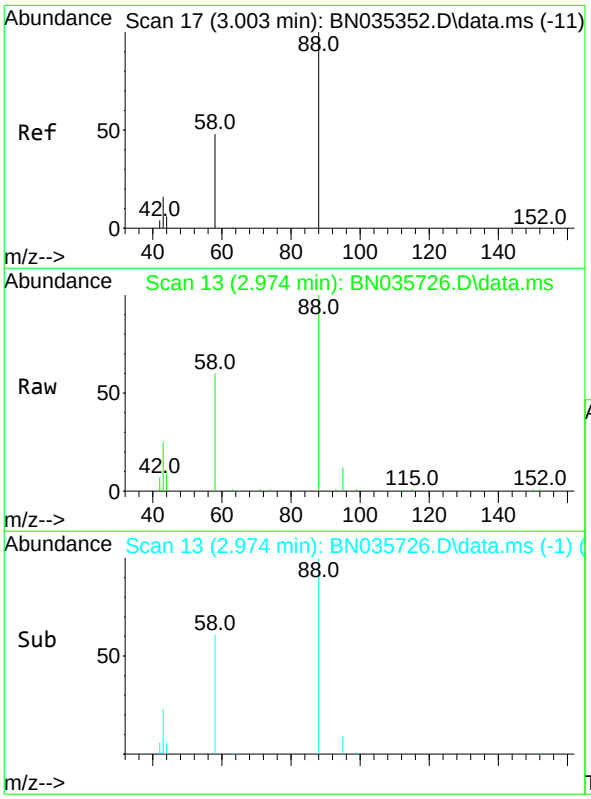
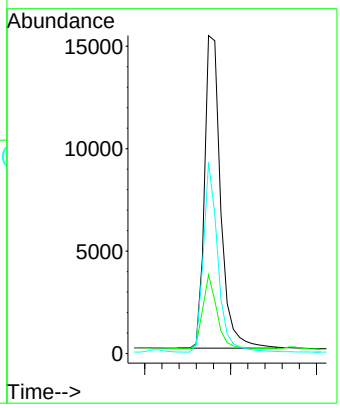
Supervised By :mohammad ahmed 12/24/2024

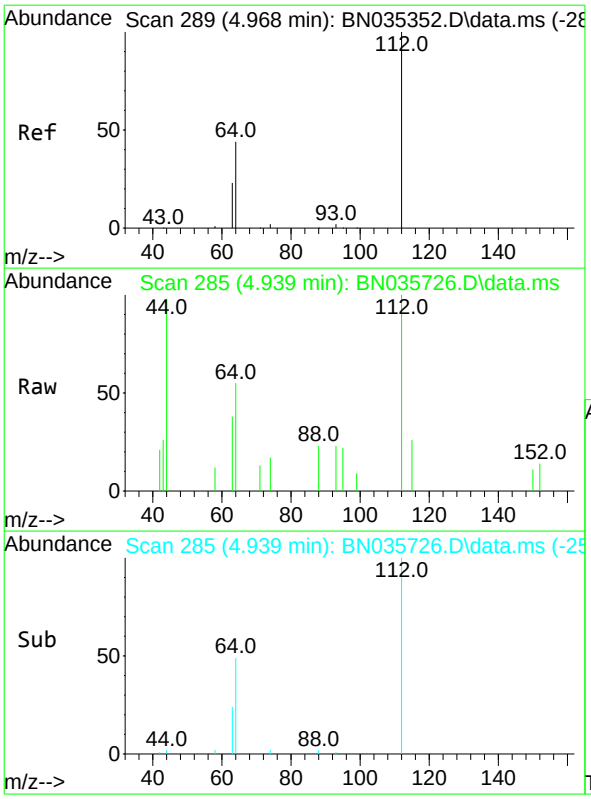


#2
1,4-Dioxane
Concen: 7.078 ng
RT: 2.974 min Scan# 13
Delta R.T. -0.007 min
Lab File: BN035726.D
Acq: 20 Dec 2024 04:22

Tgt Ion: 88 Resp: 19948

Ion	Ratio	Lower	Upper
88	100		
43	20.6	17.2	25.8
58	54.5	44.5	66.7

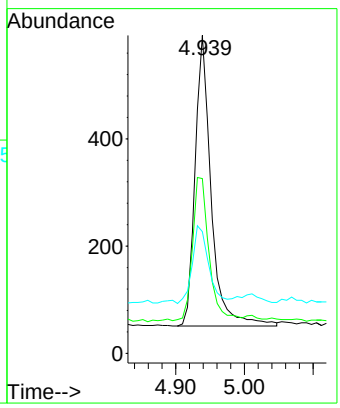




#4
2-Fluorophenol
Concen: 0.120 ng
RT: 4.939 min Scan# 28
Delta R.T. -0.000 min
Lab File: BN035726.D
Acq: 20 Dec 2024 04:22

Tgt Ion:112 Resp: 882

Ion	Ratio	Lower	Upper
112	100		
64	50.2	39.8	59.8
63	27.0	21.0	31.6



Instrument :
BNA_N
ClientSampleId :
RE125D2-20241210

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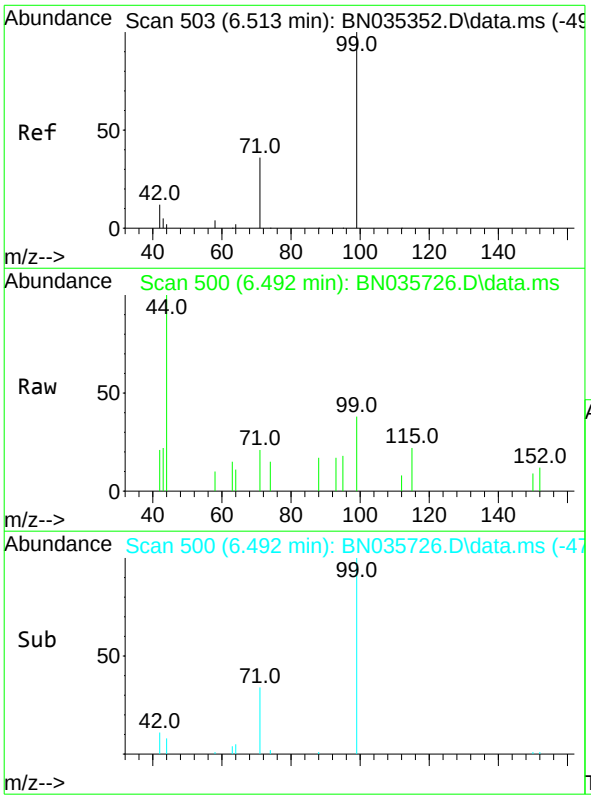
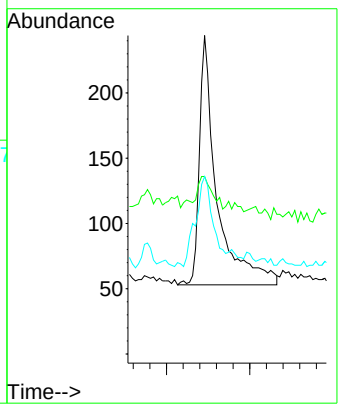
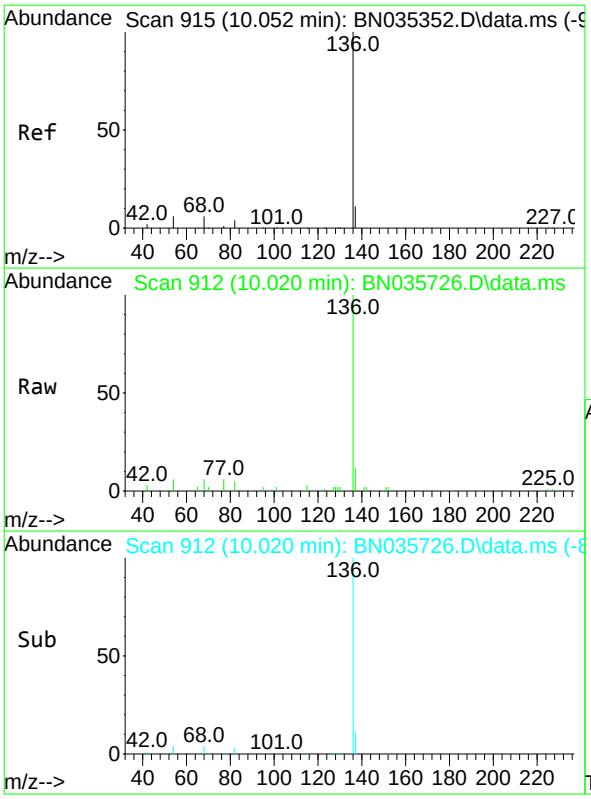


#5
Phenol-d6
Concen: 0.063 ng
RT: 6.492 min Scan# 500
Delta R.T. -0.000 min
Lab File: BN035726.D
Acq: 20 Dec 2024 04:22

Tgt Ion: 99 Resp: 557

Ion	Ratio	Lower	Upper
99	100		
42	9.0	11.4	17.2#
71	36.6	29.3	43.9

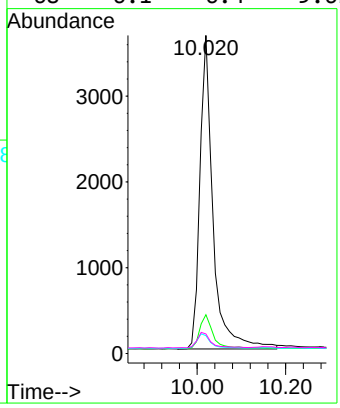




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.020 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN035726.D
Acq: 20 Dec 2024 04:22

Tgt Ion:136 Resp: 7525

Ion	Ratio	Lower	Upper
136	100		
137	12.2	10.2	15.2
54	5.6	6.1	9.1#
68	6.1	6.4	9.6#



Instrument :
BNA_N
ClientSampleId :
RE125D2-20241210

Manual Integrations
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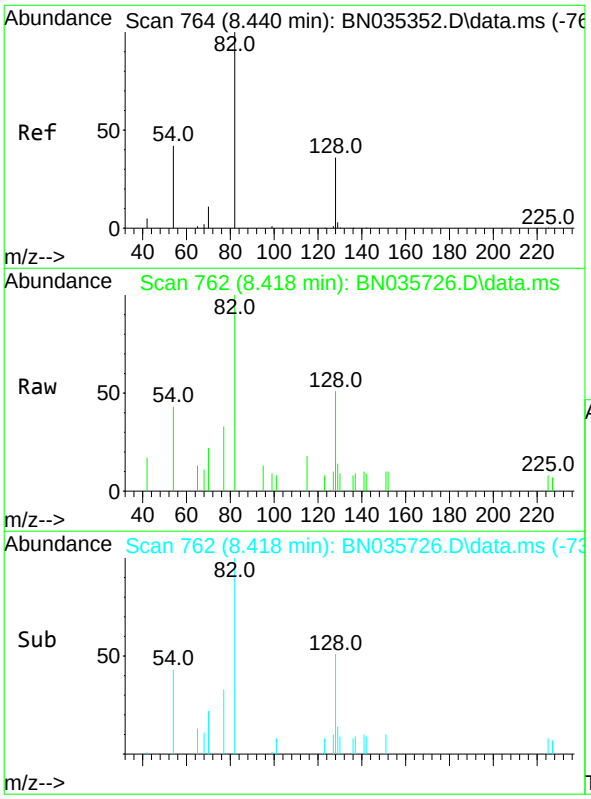
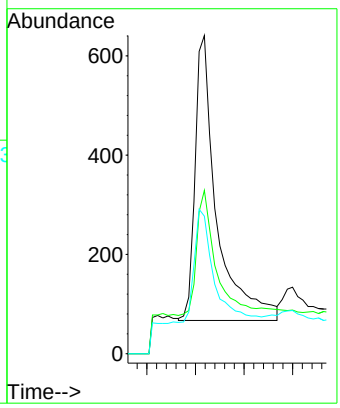
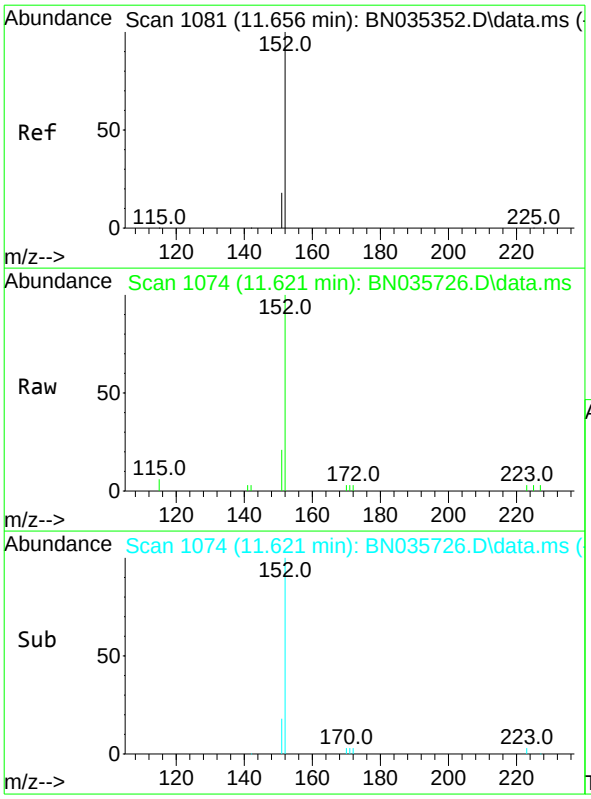


#8
Nitrobenzene-d5
Concen: 0.385 ng m
RT: 8.418 min Scan# 762
Delta R.T. 0.010 min
Lab File: BN035726.D
Acq: 20 Dec 2024 04:22

Tgt Ion: 82 Resp: 1770

Ion	Ratio	Lower	Upper
82	100		
128	51.3	33.4	50.0#
54	43.2	36.7	55.1





#11
2-Methylnaphthalene-d10
Concen: 0.324 ng
RT: 11.621 min Scan# 10
Delta R.T. -0.000 min
Lab File: BN035726.D
Acq: 20 Dec 2024 04:22

Tgt Ion:152 Resp: 3810

Ion	Ratio	Lower	Upper
152	100		
151	19.2	16.6	25.0

Instrument :
BNA_N
ClientSampleId :
RE125D2-20241210

Manual Integrations
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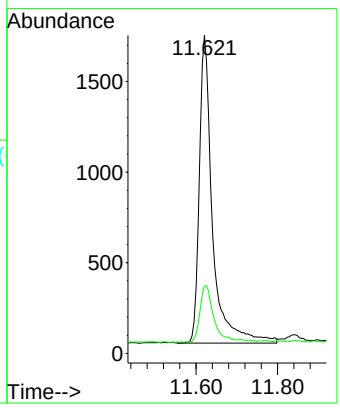
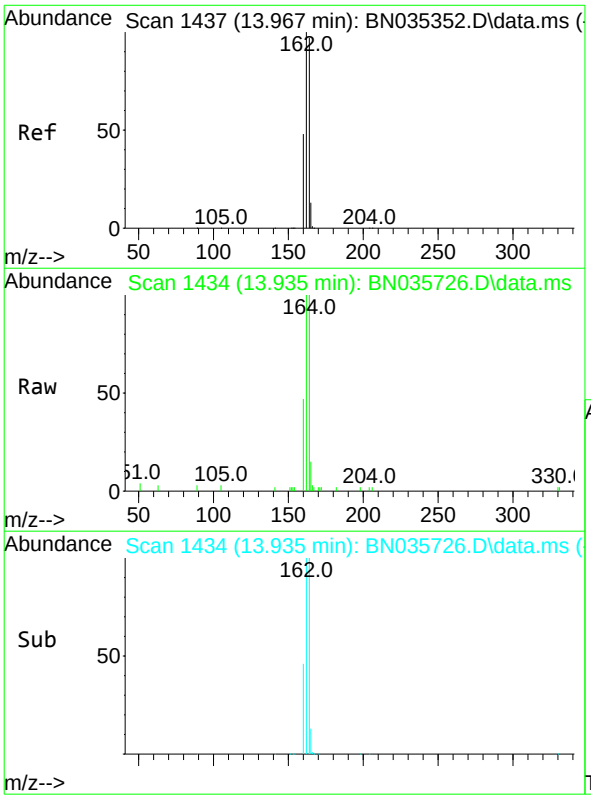
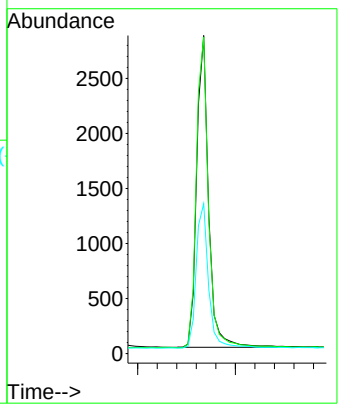


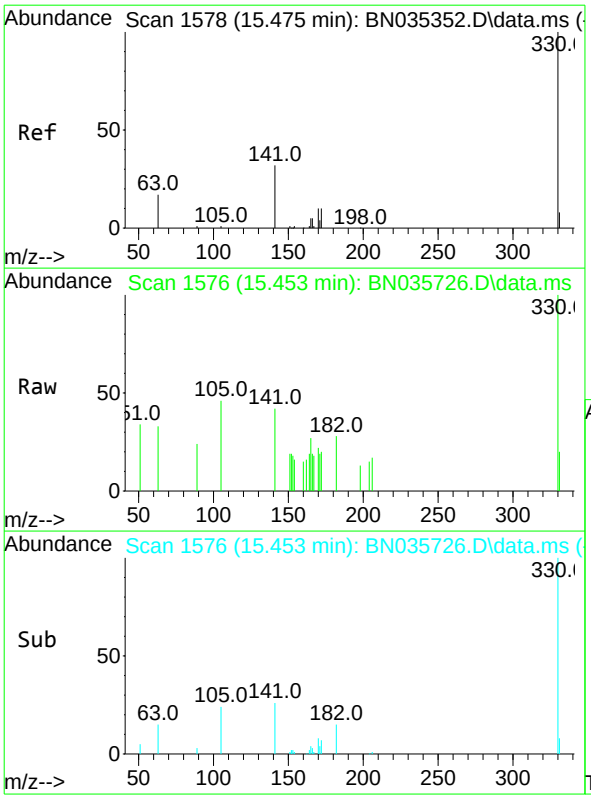


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.935 min Scan# 1434
Delta R.T. -0.000 min
Lab File: BN035726.D
Acq: 20 Dec 2024 04:22

Tgt Ion:164 Resp: 4789

Ion	Ratio	Lower	Upper
164	100		
162	99.6	82.2	123.2
160	47.1	40.1	60.1





#14
2,4,6-Tribromophenol
Concen: 0.186 ng
RT: 15.453 min Scan# 15
Delta R.T. -0.000 min
Lab File: BN035726.D
Acq: 20 Dec 2024 04:22

Tgt Ion:330 Resp: 632

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	33.9	26.6	40.0

Instrument :
BNA_N
ClientSampleId :
RE125D2-20241210

Manual Integrations
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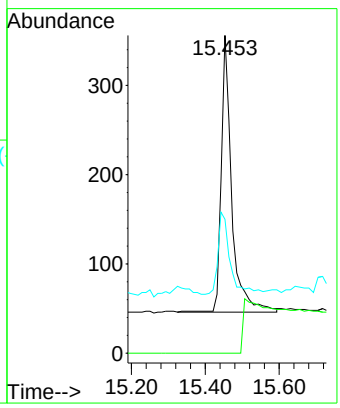
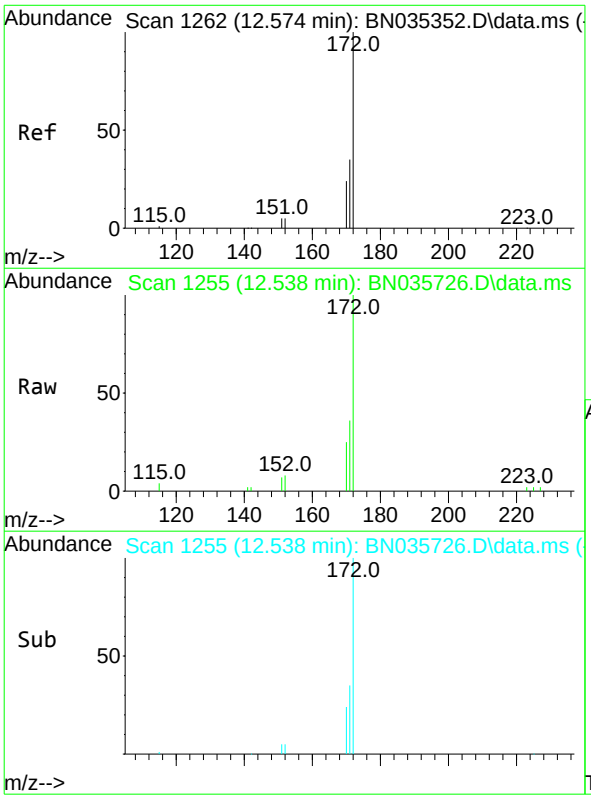
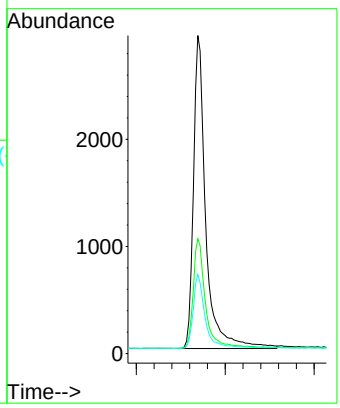


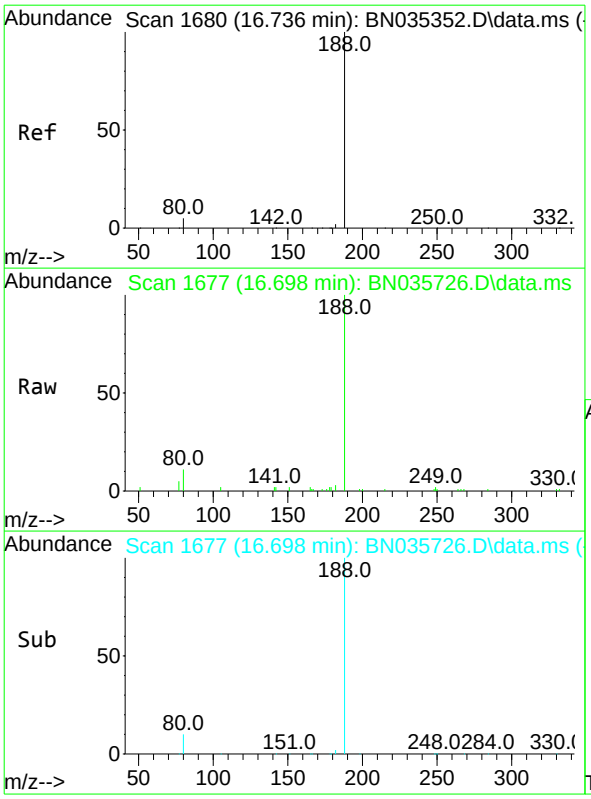


#15
2-Fluorobiphenyl
Concen: 0.311 ng
RT: 12.538 min Scan# 1255
Delta R.T. -0.005 min
Lab File: BN035726.D
Acq: 20 Dec 2024 04:22

Tgt Ion:172 Resp: 5628

Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.0	43.4
170	24.9	19.8	29.8

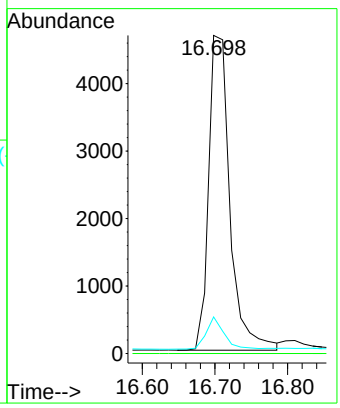




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.698 min Scan# 16
Delta R.T. -0.000 min
Lab File: BN035726.D
Acq: 20 Dec 2024 04:22

Tgt Ion:188 Resp: 9505

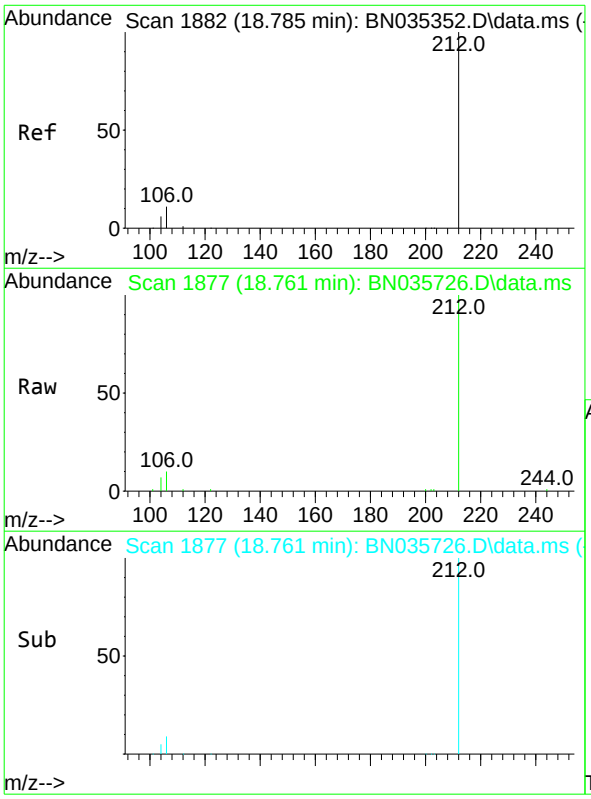
Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.5	4.6	6.8#



Instrument :
BNA_N
ClientSampleId :
RE125D2-20241210

Manual Integrations
APPROVED

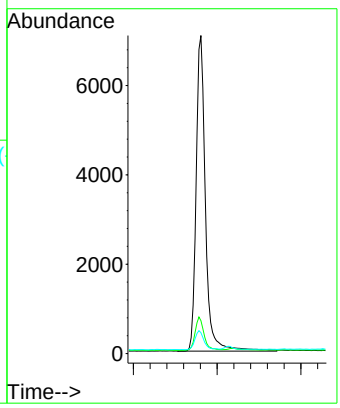
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

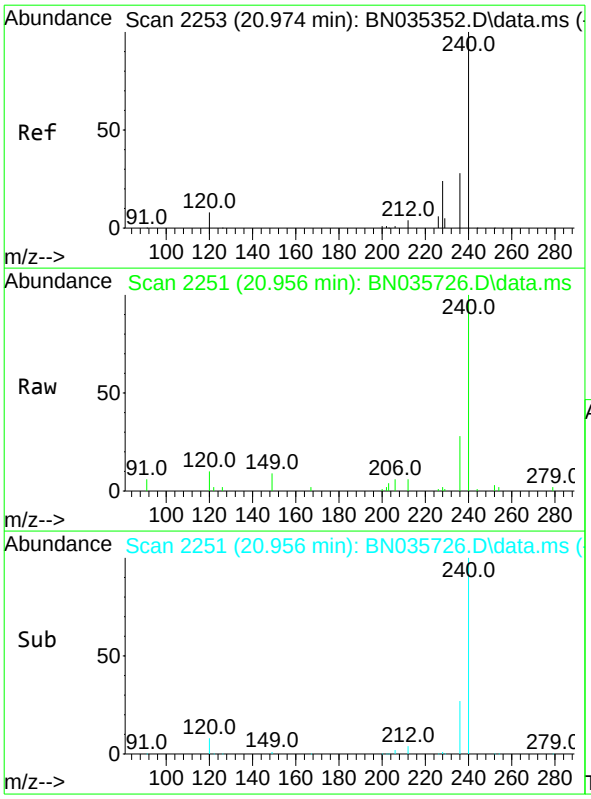


#27
Fluoranthene-d10
Concen: 0.405 ng
RT: 18.761 min Scan# 1877
Delta R.T. -0.000 min
Lab File: BN035726.D
Acq: 20 Dec 2024 04:22

Tgt Ion:212 Resp: 10917

Ion	Ratio	Lower	Upper
212	100		
106	10.1	9.2	13.8
104	5.8	5.3	7.9

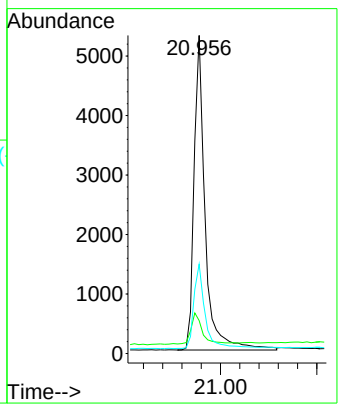




#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.956 min Scan# 22
Delta R.T. -0.000 min
Lab File: BN035726.D
Acq: 20 Dec 2024 04:22

Tgt Ion:240 Resp: 8457

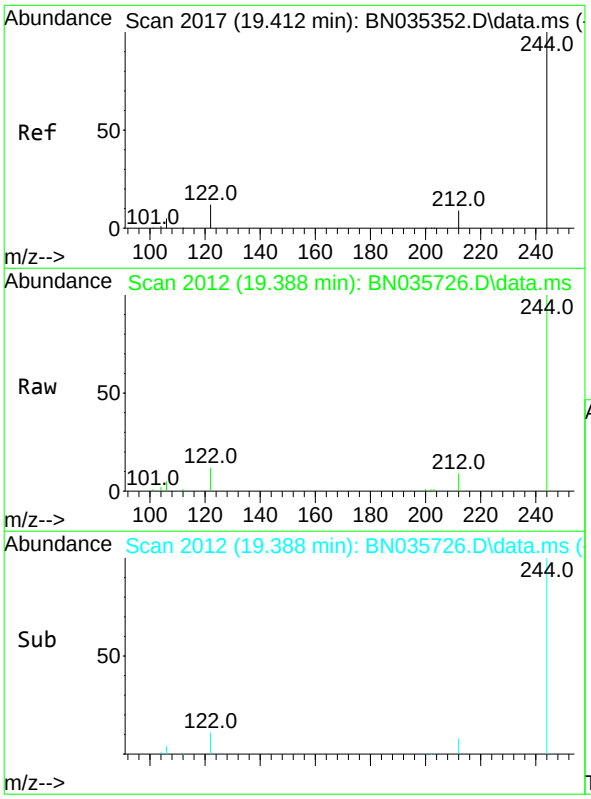
Ion	Ratio	Lower	Upper
240	100		
120	10.3	7.9	11.9
236	28.1	22.9	34.3



Instrument :
BNA_N
ClientSampleId :
RE125D2-20241210

Manual Integrations
APPROVED

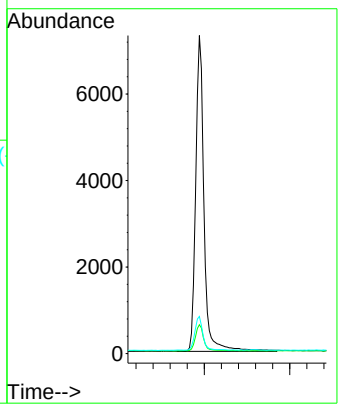
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

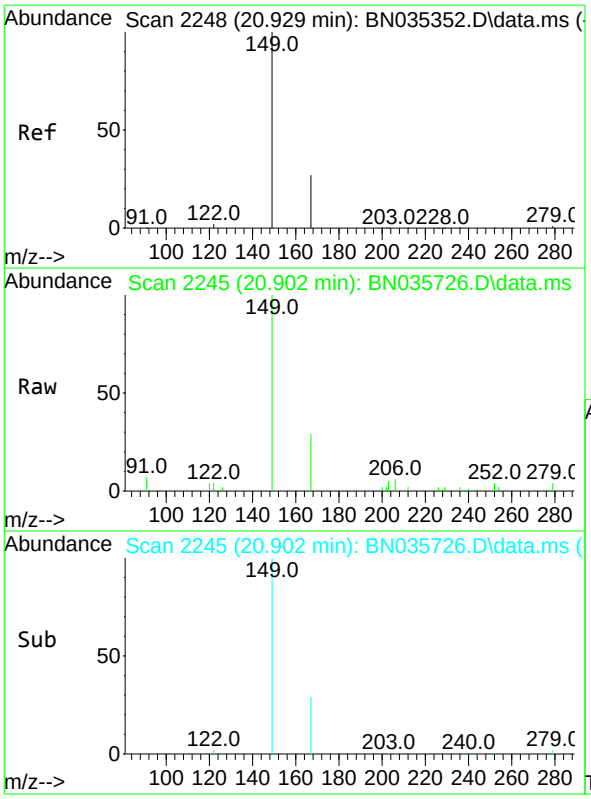


#31
Terphenyl-d14
Concen: 0.591 ng
RT: 19.388 min Scan# 2012
Delta R.T. -0.000 min
Lab File: BN035726.D
Acq: 20 Dec 2024 04:22

Tgt Ion:244 Resp: 9852

Ion	Ratio	Lower	Upper
244	100		
212	9.1	8.1	12.1
122	11.7	10.3	15.5





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.629 ng
RT: 20.902 min Scan# 22
Delta R.T. -0.009 min
Lab File: BN035726.D
Acq: 20 Dec 2024 04:22

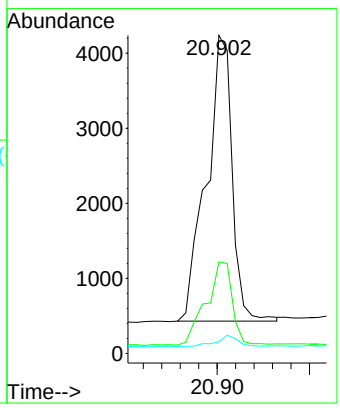
Tgt Ion:149 Resp: 7348

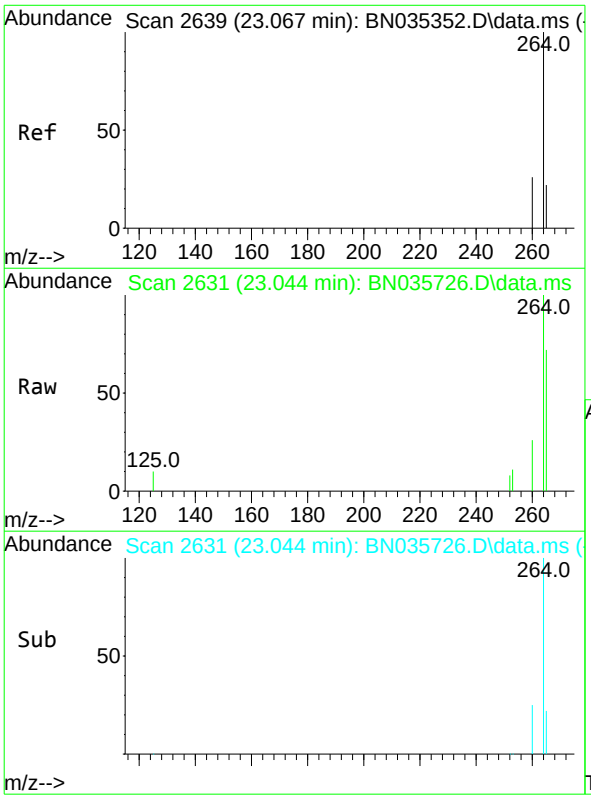
Ion	Ratio	Lower	Upper
149	100		
167	29.7	22.2	33.4
279	3.2	2.7	4.1

Instrument :
BNA_N
ClientSampleId :
RE125D2-20241210

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

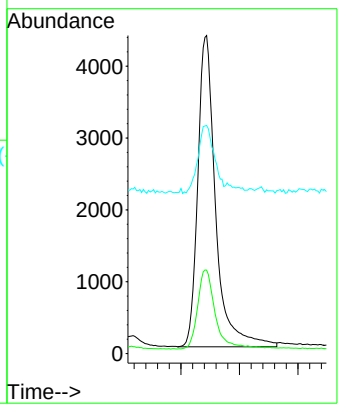




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.044 min Scan# 2631
Delta R.T. 0.003 min
Lab File: BN035726.D
Acq: 20 Dec 2024 04:22

Tgt Ion:264 Resp: 9186

Ion	Ratio	Lower	Upper
264	100		
260	26.2	21.4	32.2
265	71.7	40.2	60.4#



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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/10/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/11/24
Client Sample ID:	RE125D2-20241210DL	SDG No.:	P5261
Lab Sample ID:	P5261-15DL	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	890 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035753.D	2	12/12/24 10:30	12/20/24 21:57	PB165596

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	8.90	D	0.15	0.45	0.45	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.35		30 - 150		88%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.41		30 - 150		103%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.37		55 - 111		91%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.32		53 - 106		79%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.62	*	58 - 132		155%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2750	7.272				
1146-65-2	Naphthalene-d8	7060	10.02				
15067-26-2	Acenaphthene-d10	4840	13.925				
1517-22-2	Phenanthrene-d10	9690	16.698				
1719-03-5	Chrysene-d12	8200	20.956				
1520-96-3	Perylene-d12	8130	23.041				

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_N\Data\BN121924\
Data File : BN035753.D
Acq On : 20 Dec 2024 21:57
Operator : RC/JU
Sample : P5261-15DL 2X
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE125D2-20241210DL

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

Quant Time: Dec 21 01:44:02 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.272	152	2749	0.400	ng	0.00
7) Naphthalene-d8	10.020	136	7061	0.400	ng	0.00
13) Acenaphthene-d10	13.925	164	4840	0.400	ng	-0.01
19) Phenanthrene-d10	16.698	188	9691	0.400	ng	# 0.00
29) Chrysene-d12	20.956	240	8202	0.400	ng	0.00
35) Perylene-d12	23.041	264	8127	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.932	112	429	0.062	ng	0.00
5) Phenol-d6	6.492	99	230	0.028	ng	0.00
8) Nitrobenzene-d5	8.418	82	789m	0.183	ng	0.01
11) 2-Methylnaphthalene-d10	11.626	152	1937	0.175	ng	0.00
14) 2,4,6-Tribromophenol	15.453	330	328	0.095	ng	0.00
15) 2-Fluorobiphenyl	12.539	172	2904	0.159	ng	0.00
27) Fluoranthene-d10	18.761	212	5683	0.207	ng	0.00
31) Terphenyl-d14	19.389	244	5035	0.311	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.974	88	10381	3.950	ng	99
34) Bis(2-ethylhexyl)phtha...	20.902	149	3241	0.286	ng	97

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

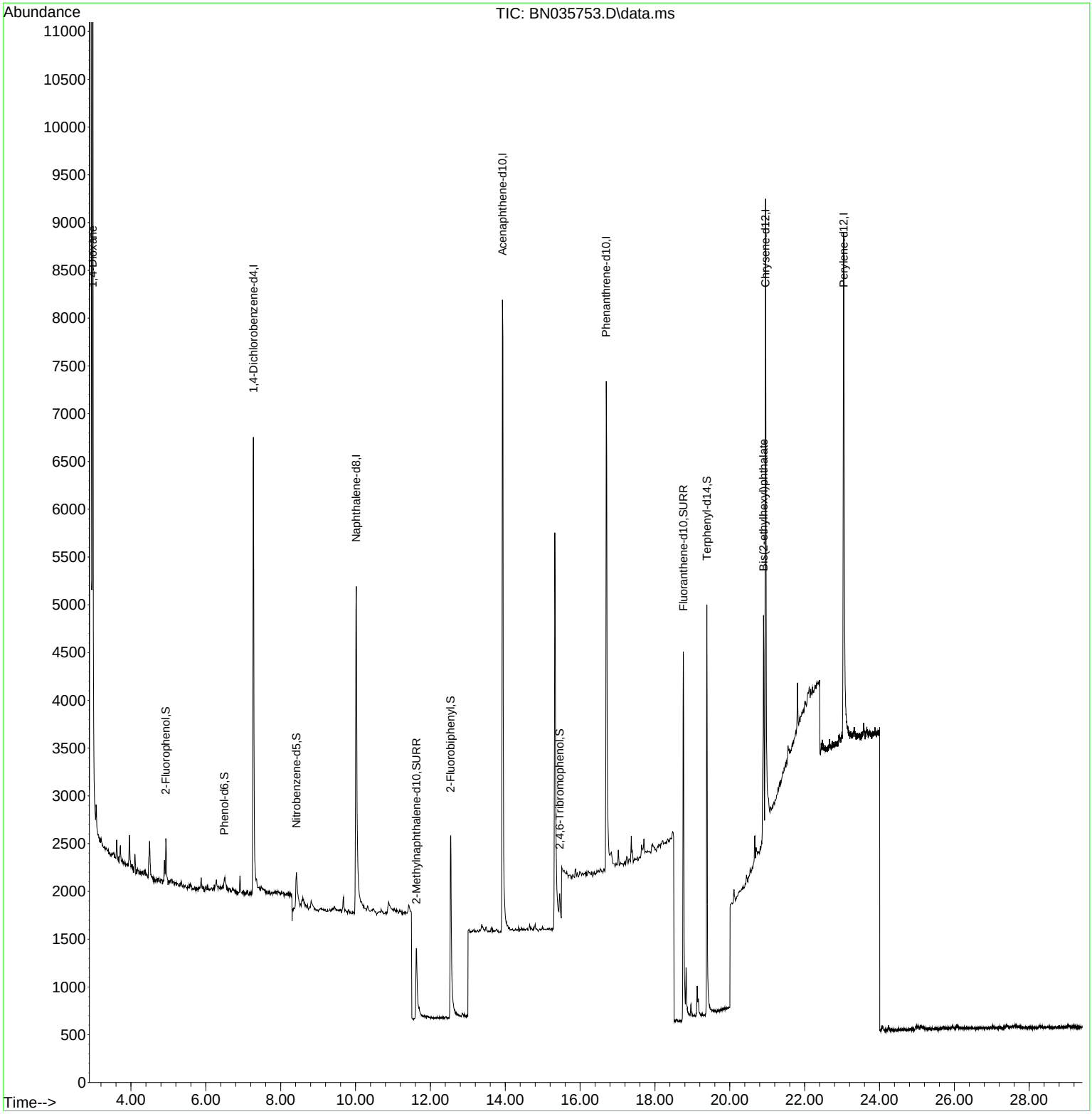
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035753.D
Acq On : 20 Dec 2024 21:57
Operator : RC/JU
Sample : P5261-15DL 2X
Misc :
ALS Vial : 44 Sample Multiplier: 1

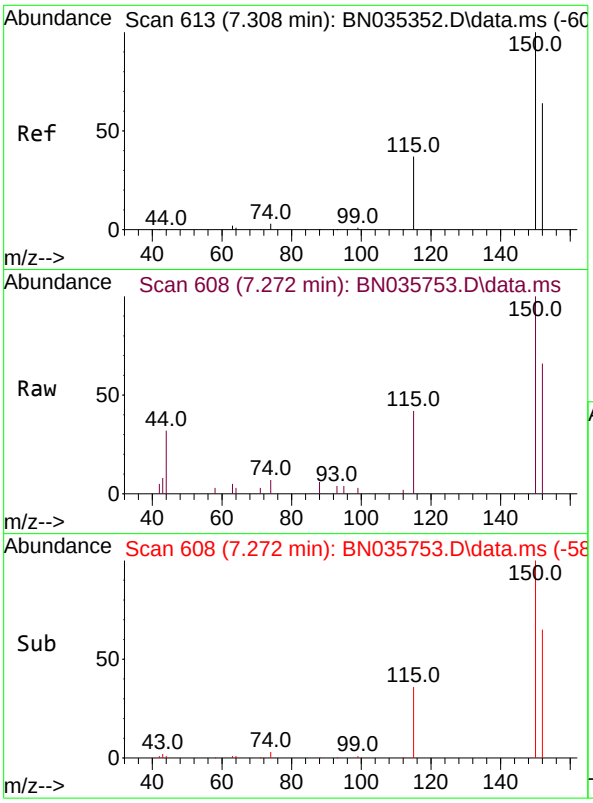
Quant Time: Dec 21 01:44:02 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
RE125D2-20241210DL

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

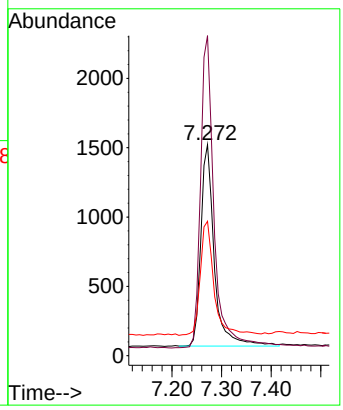




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.272 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN035753.D
Acq: 20 Dec 2024 21:57

Tgt Ion:152 Resp: 274

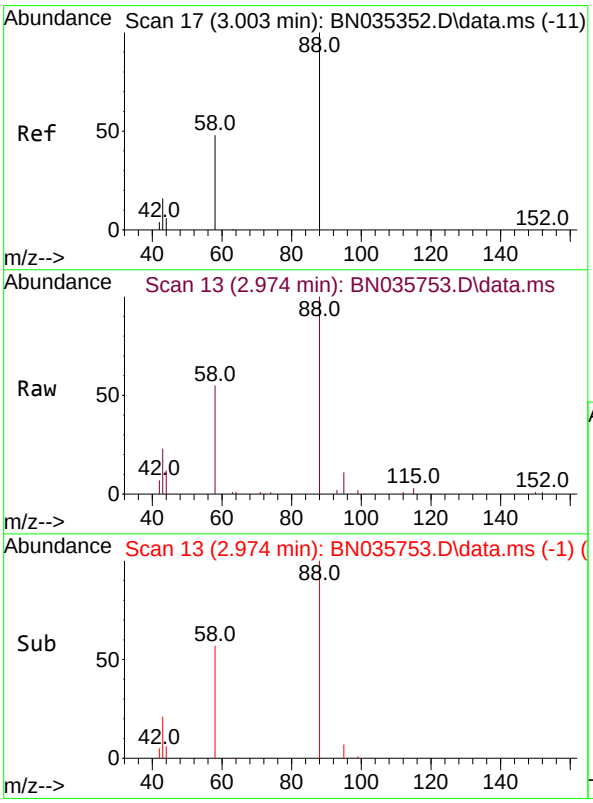
Ion	Ratio	Lower	Upper
152	100		
150	151.6	124.0	186.0
115	63.7	49.6	74.4



Instrument :
BNA_N
ClientSampleId :
RE125D2-20241210DL

Manual Integrations
APPROVED

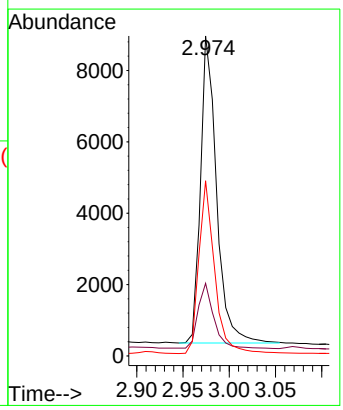
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

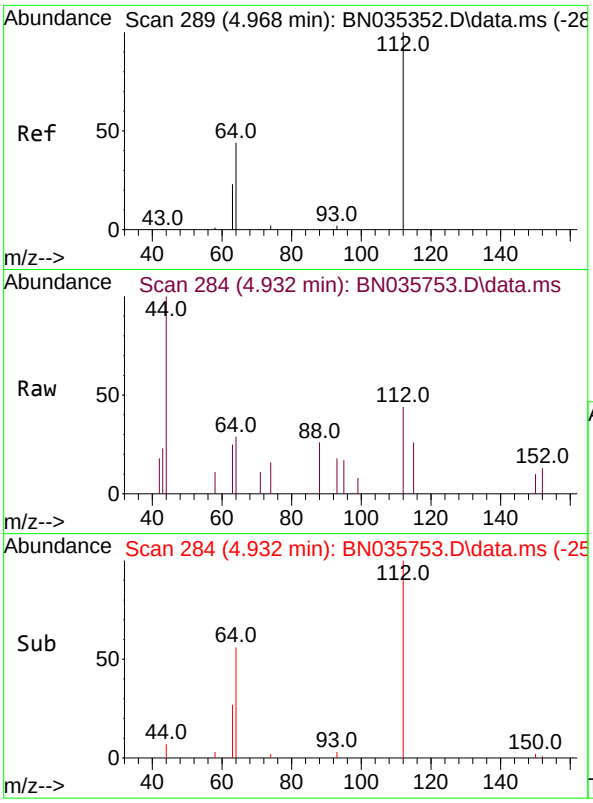


#2
1,4-Dioxane
Concen: 3.950 ng
RT: 2.974 min Scan# 13
Delta R.T. -0.007 min
Lab File: BN035753.D
Acq: 20 Dec 2024 21:57

Tgt Ion: 88 Resp: 10381

Ion	Ratio	Lower	Upper
88	100		
43	21.0	17.2	25.8
58	55.2	44.5	66.7





#4
2-Fluorophenol
Concen: 0.062 ng
RT: 4.932 min Scan# 2
Delta R.T. -0.007 min
Lab File: BN035753.D
Acq: 20 Dec 2024 21:57

Tgt Ion:112 Resp: 42

Ion	Ratio	Lower	Upper
112	100		
64	54.5	39.8	59.8
63	27.5	21.0	31.6

Instrument :
BNA_N
ClientSampleId :
RE125D2-20241210DL

Manual Integrations
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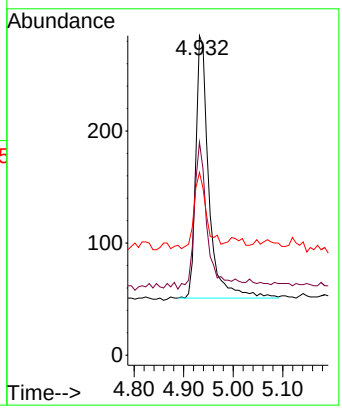
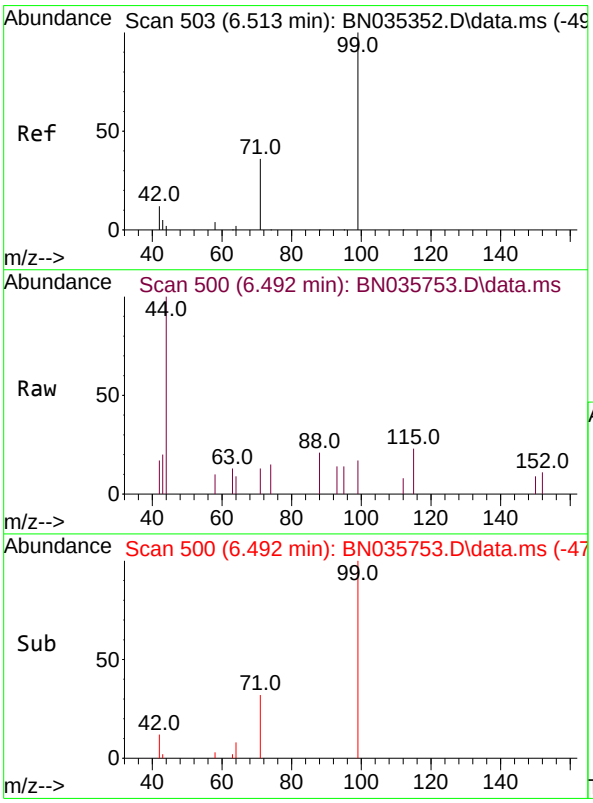
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

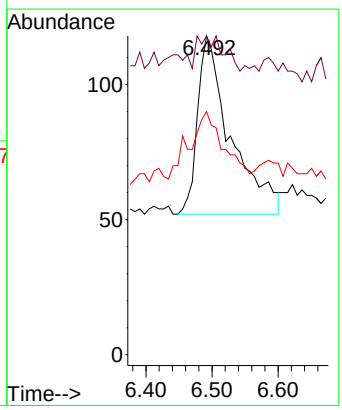


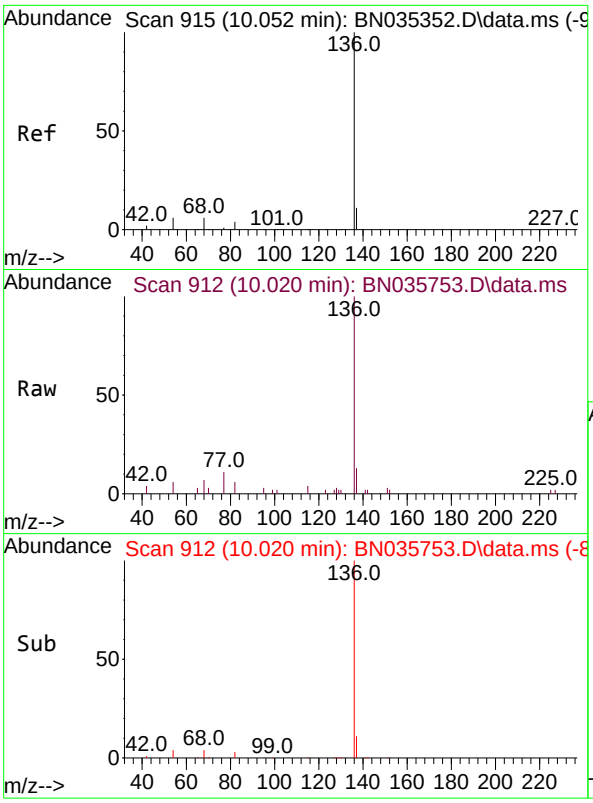


#5
Phenol-d6
Concen: 0.028 ng
RT: 6.492 min Scan# 500
Delta R.T. -0.000 min
Lab File: BN035753.D
Acq: 20 Dec 2024 21:57

Tgt Ion: 99 Resp: 230

Ion	Ratio	Lower	Upper
99	100		
42	20.9	11.4	17.2#
71	40.0	29.3	43.9

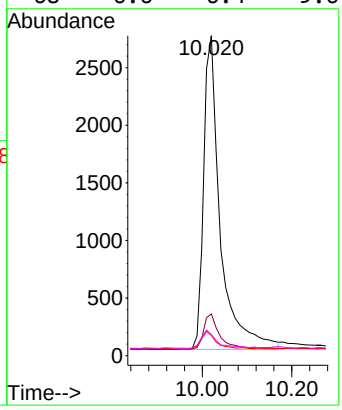




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.020 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN035753.D
Acq: 20 Dec 2024 21:57

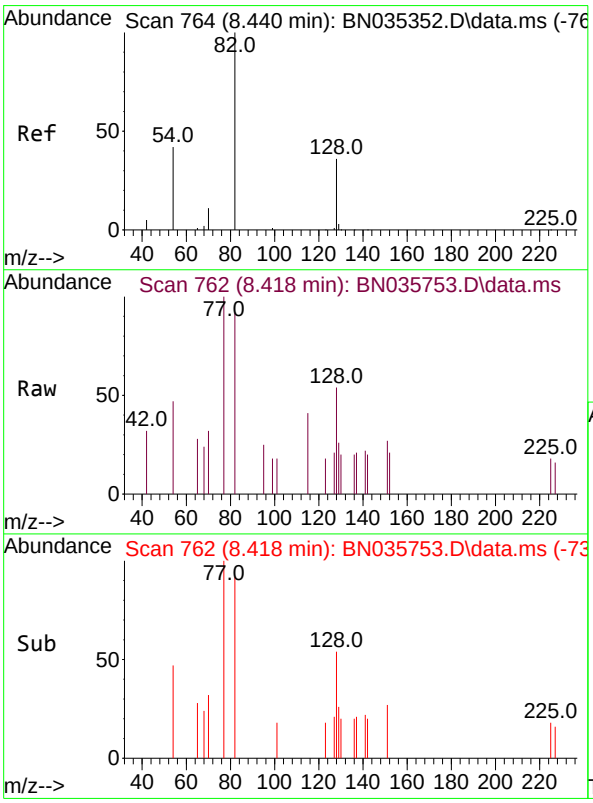
Tgt Ion:136 Resp: 706

Ion	Ratio	Lower	Upper
136	100		
137	13.1	10.2	15.2
54	6.4	6.1	9.1
68	6.6	6.4	9.6



Instrument :
BNA_N
ClientSampleId :
RE125D2-20241210DL

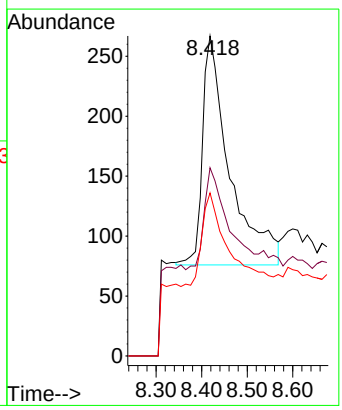
Manual Integrations
APPROVED
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

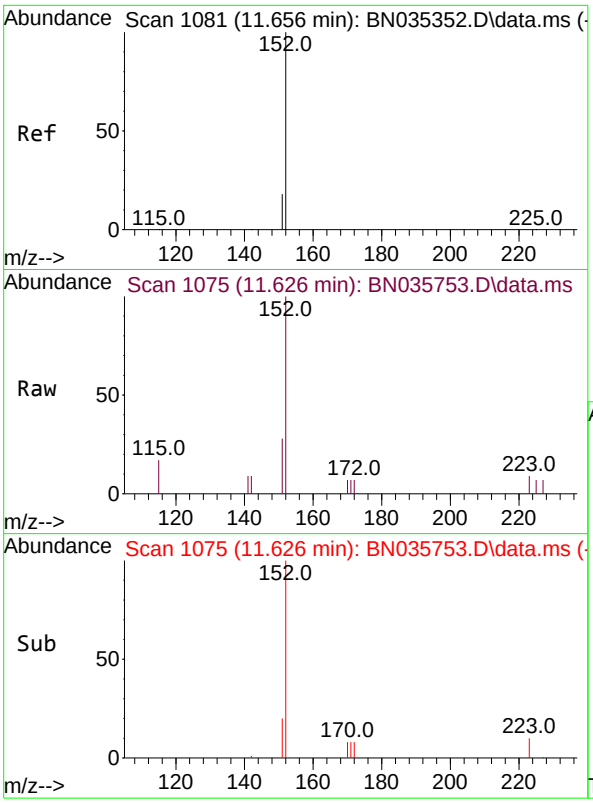


#8
Nitrobenzene-d5
Concen: 0.183 ng m
RT: 8.418 min Scan# 762
Delta R.T. 0.011 min
Lab File: BN035753.D
Acq: 20 Dec 2024 21:57

Tgt Ion: 82 Resp: 789

Ion	Ratio	Lower	Upper
82	100		
128	58.8	33.4	50.0#
54	50.9	36.7	55.1

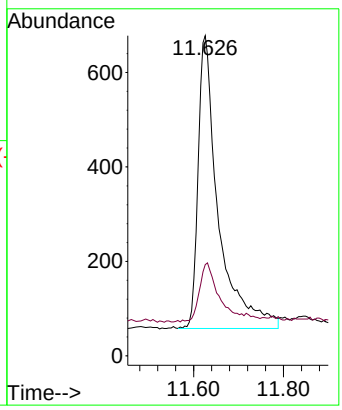




#11
2-Methylnaphthalene-d10
Concen: 0.175 ng
RT: 11.626 min Scan# 1
Delta R.T. 0.005 min
Lab File: BN035753.D
Acq: 20 Dec 2024 21:57

Tgt Ion:152 Resp: 193

Ion	Ratio	Lower	Upper
152	100		
151	19.3	16.6	25.0



Instrument :
BNA_N
ClientSampleId :
RE125D2-20241210DL

Manual Integrations
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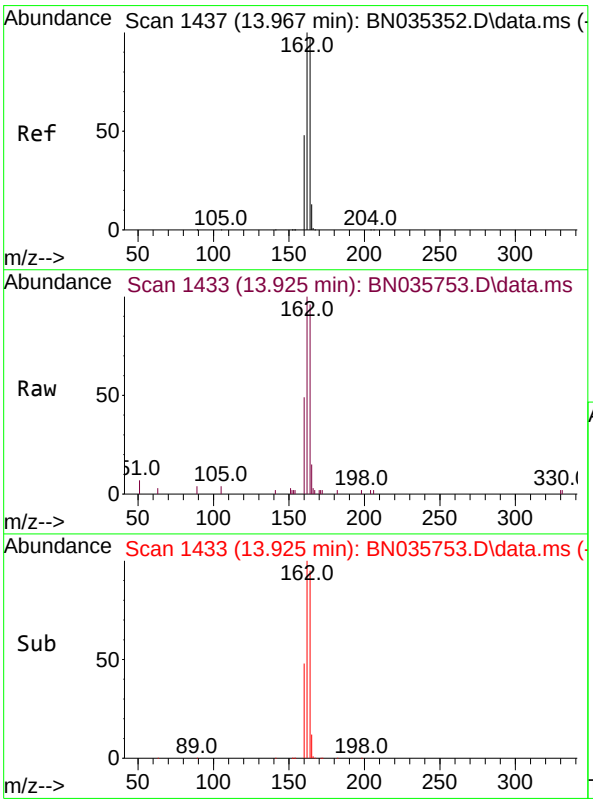
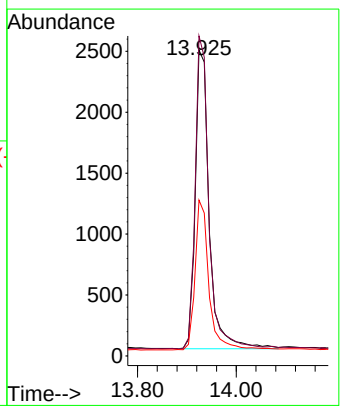
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

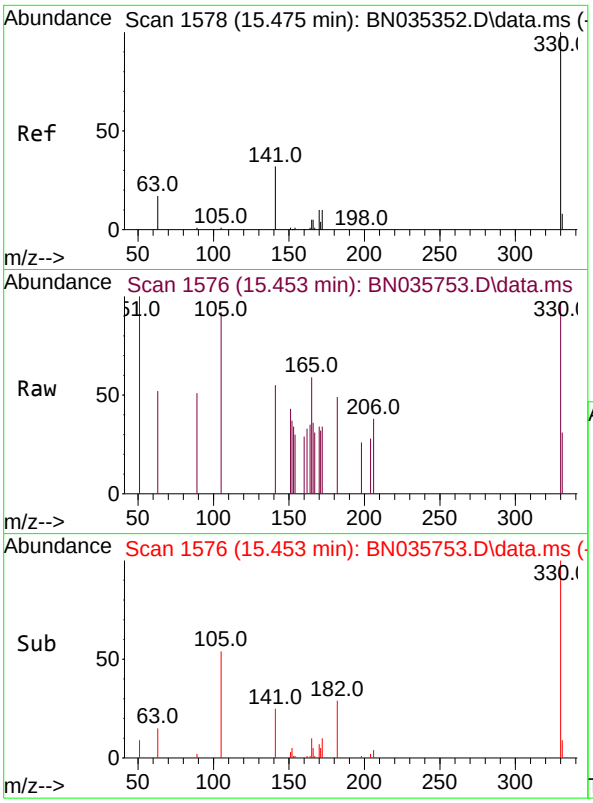


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.925 min Scan# 1433
Delta R.T. -0.011 min
Lab File: BN035753.D
Acq: 20 Dec 2024 21:57

Tgt Ion:164 Resp: 4840

Ion	Ratio	Lower	Upper
164	100		
162	104.6	82.2	123.2
160	50.9	40.1	60.1

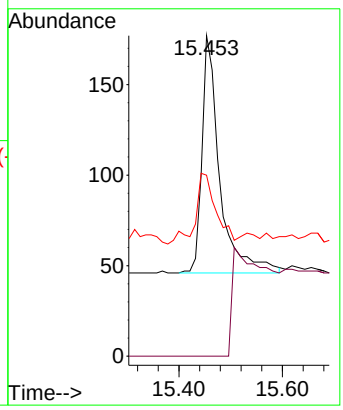




#14
2,4,6-Tribromophenol
Concen: 0.095 ng
RT: 15.453 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035753.D
Acq: 20 Dec 2024 21:57

Tgt Ion:330 Resp: 32

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	33.8	26.6	40.0



Instrument :
BNA_N
ClientSampleId :
RE125D2-20241210DL

Manual Integrations
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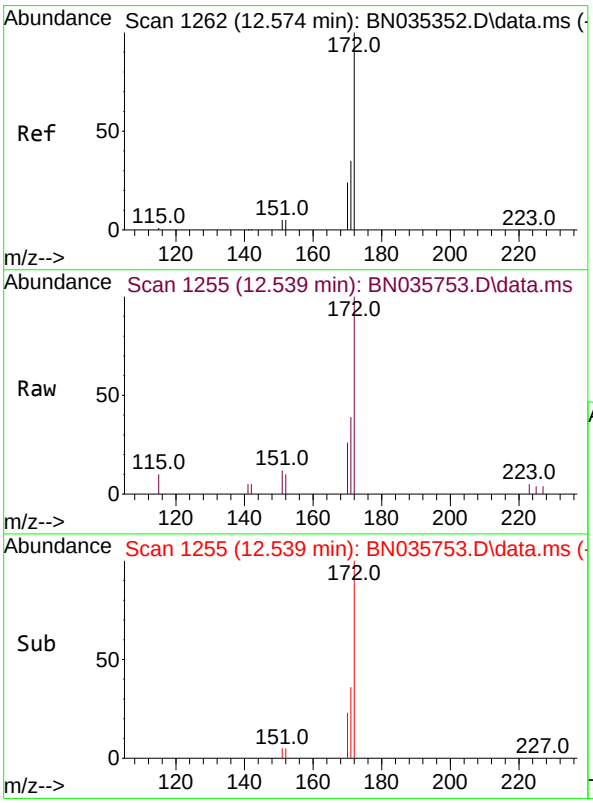
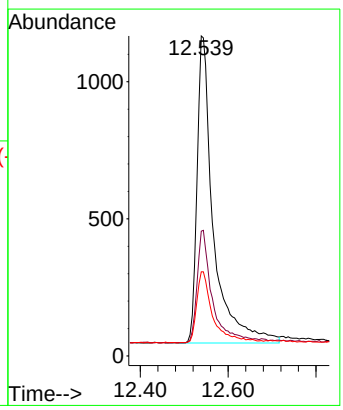
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

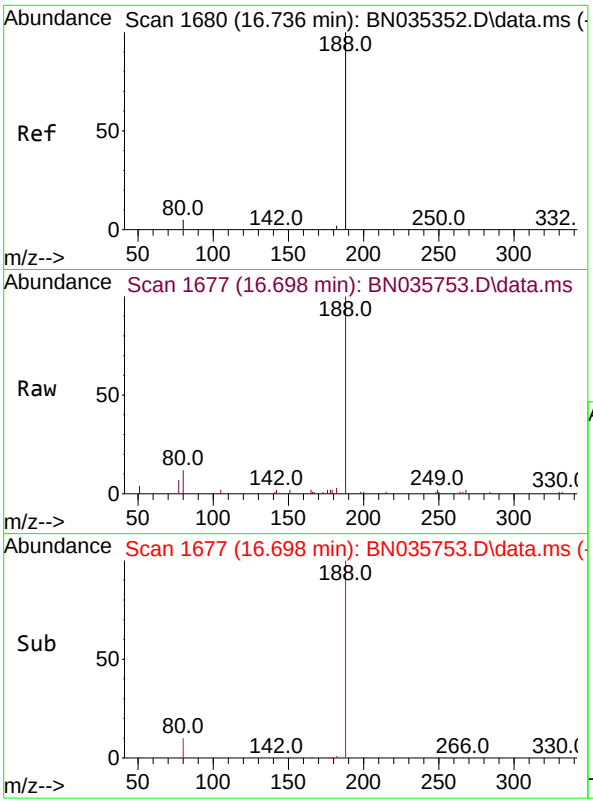


#15
2-Fluorobiphenyl
Concen: 0.159 ng
RT: 12.539 min Scan# 1255
Delta R.T. -0.005 min
Lab File: BN035753.D
Acq: 20 Dec 2024 21:57

Tgt Ion:172 Resp: 2904

Ion	Ratio	Lower	Upper
172	100		
171	39.0	29.0	43.4
170	26.3	19.8	29.8

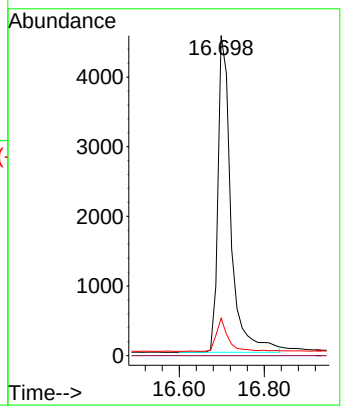




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.698 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN035753.D
Acq: 20 Dec 2024 21:57

Tgt Ion:188 Resp: 969

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.7	4.6	6.8



Instrument :
BNA_N
ClientSampleId :
RE125D2-20241210DL

Manual Integrations
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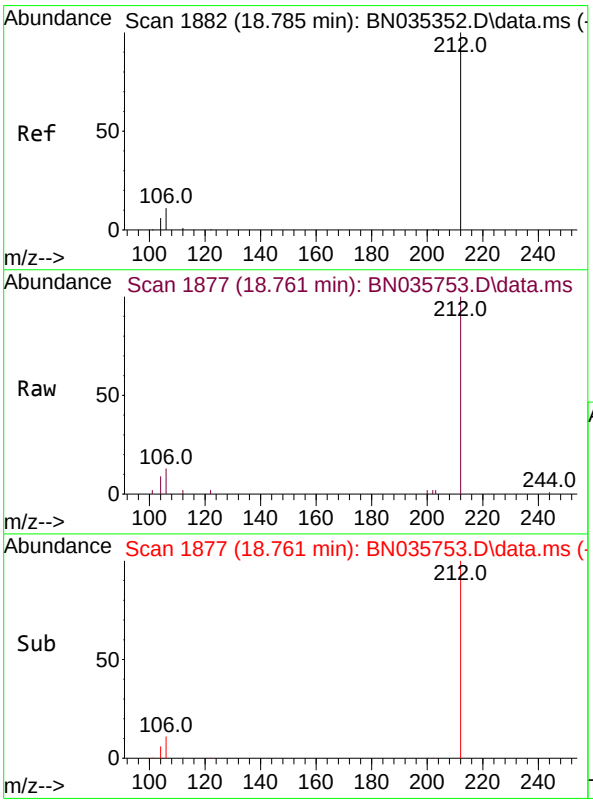
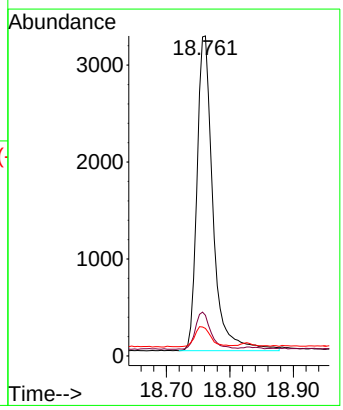
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

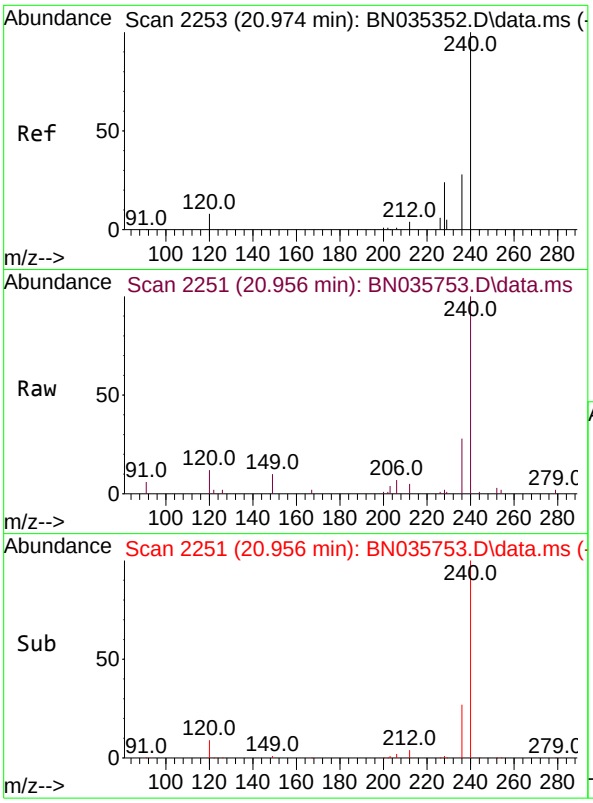


#27
Fluoranthene-d10
Concen: 0.207 ng
RT: 18.761 min Scan# 1877
Delta R.T. -0.000 min
Lab File: BN035753.D
Acq: 20 Dec 2024 21:57

Tgt Ion:212 Resp: 5683

Ion	Ratio	Lower	Upper
212	100		
106	11.5	9.2	13.8
104	6.4	5.3	7.9

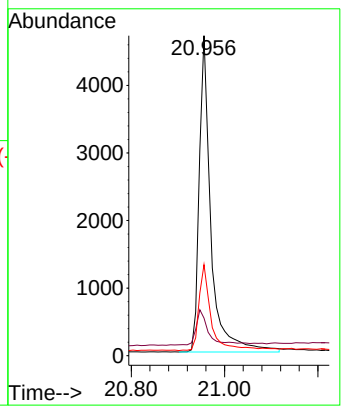




#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.956 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035753.D
Acq: 20 Dec 2024 21:57

Tgt Ion:240 Resp: 820

Ion	Ratio	Lower	Upper
240	100		
120	11.7	7.9	11.9
236	28.4	22.9	34.3



Instrument :
BNA_N
ClientSampleId :
RE125D2-20241210DL

Manual Integrations
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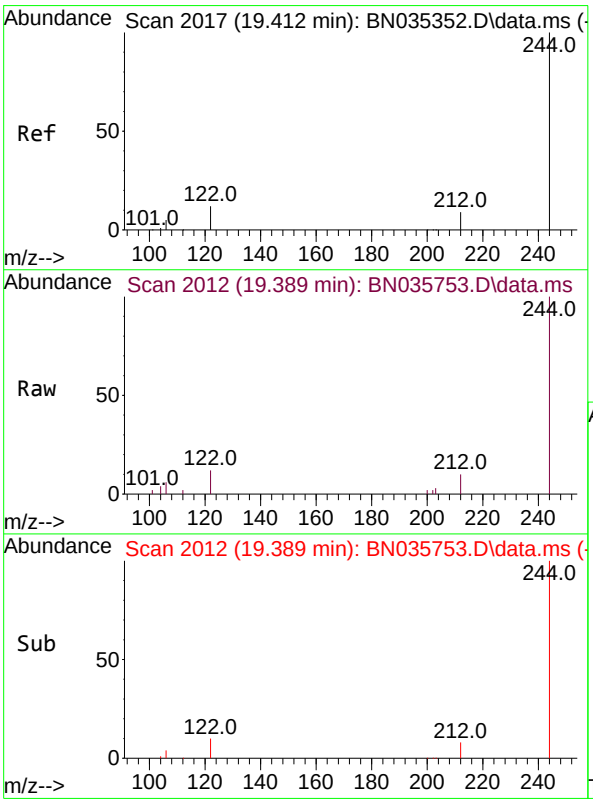
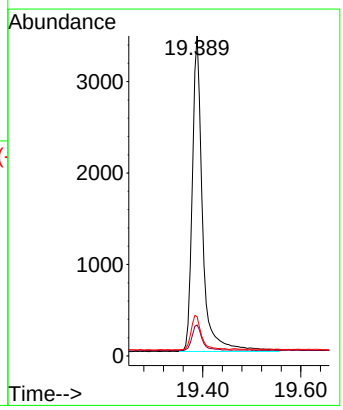
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

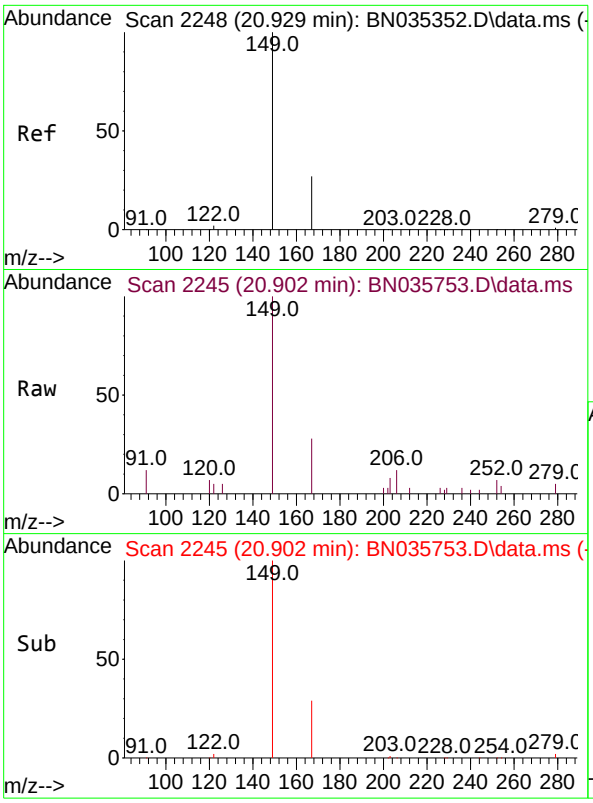


#31
Terphenyl-d14
Concen: 0.311 ng
RT: 19.389 min Scan# 2012
Delta R.T. -0.000 min
Lab File: BN035753.D
Acq: 20 Dec 2024 21:57

Tgt Ion:244 Resp: 5035

Ion	Ratio	Lower	Upper
244	100		
212	9.7	8.1	12.1
122	12.3	10.3	15.5

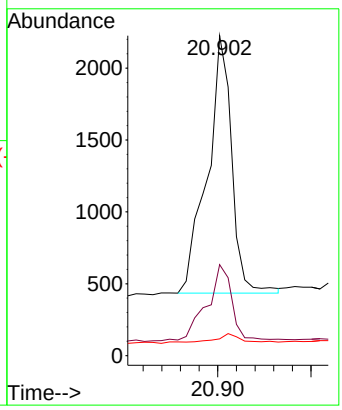




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.286 ng
RT: 20.902 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN035753.D
Acq: 20 Dec 2024 21:57

Tgt Ion:149 Resp: 324

Ion	Ratio	Lower	Upper
149	100		
167	29.3	22.2	33.4
279	2.7	2.7	4.1



Instrument :
BNA_N
ClientSampleId :
RE125D2-20241210DL

Manual Integrations
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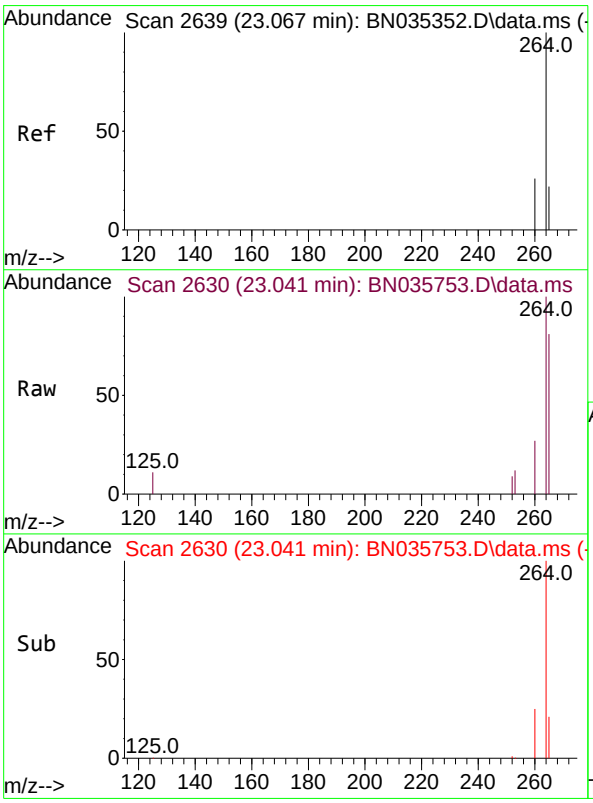
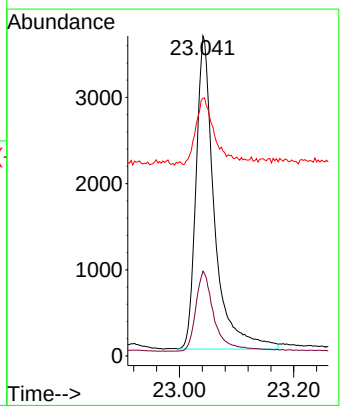
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.041 min Scan# 2630
Delta R.T. -0.000 min
Lab File: BN035753.D
Acq: 20 Dec 2024 21:57

Tgt Ion:264 Resp: 8127

Ion	Ratio	Lower	Upper
264	100		
260	26.5	21.4	32.2
265	80.6	40.2	60.4#



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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/10/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/11/24
Client Sample ID:	RE125D3-20241210	SDG No.:	P5261
Lab Sample ID:	P5261-16	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035725.D	1	12/12/24 10:30	12/20/24 03:46	PB165596

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	2.10		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.35		30 - 150		88%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.39		30 - 150		98%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.37		55 - 111		93%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.32		53 - 106		79%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.56	*	58 - 132		139%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2840	7.272				
1146-65-2	Naphthalene-d8	7710	10.02				
15067-26-2	Acenaphthene-d10	5100	13.935				
1517-22-2	Phenanthrene-d10	10200	16.711				
1719-03-5	Chrysene-d12	8950	20.956				
1520-96-3	Perylene-d12	9220	23.041				

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_N\Data\BN121924\
Data File : BN035725.D
Acq On : 20 Dec 2024 03:46
Operator : RC/JU
Sample : P5261-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 20 04:19:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
RE125D3-20241210

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.272	152	2841	0.400	ng	0.00
7) Naphthalene-d8	10.020	136	7711	0.400	ng	# 0.00
13) Acenaphthene-d10	13.935	164	5101	0.400	ng	0.00
19) Phenanthrene-d10	16.711	188	10162	0.400	ng	# 0.01
29) Chrysene-d12	20.956	240	8945	0.400	ng	# 0.00
35) Perylene-d12	23.041	264	9224	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.939	112	835	0.117	ng	0.00
5) Phenol-d6	6.499	99	460	0.054	ng	0.00
8) Nitrobenzene-d5	8.418	82	1758m	0.373	ng	0.01
11) 2-Methylnaphthalene-d10	11.626	152	4240	0.351	ng	0.00
14) 2,4,6-Tribromophenol	15.453	330	631	0.174	ng	0.00
15) 2-Fluorobiphenyl	12.544	172	6139	0.318	ng	0.00
27) Fluoranthene-d10	18.761	212	11262	0.391	ng	0.00
31) Terphenyl-d14	19.389	244	9790	0.555	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.982	88	5712	2.103	ng	99
34) Bis(2-ethylhexyl)phtha...	20.911	149	780	0.063	ng	# 93

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035725.D
Acq On : 20 Dec 2024 03:46
Operator : RC/JU
Sample : P5261-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 20 04:19:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
RE125D3-20241210

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/21/2024
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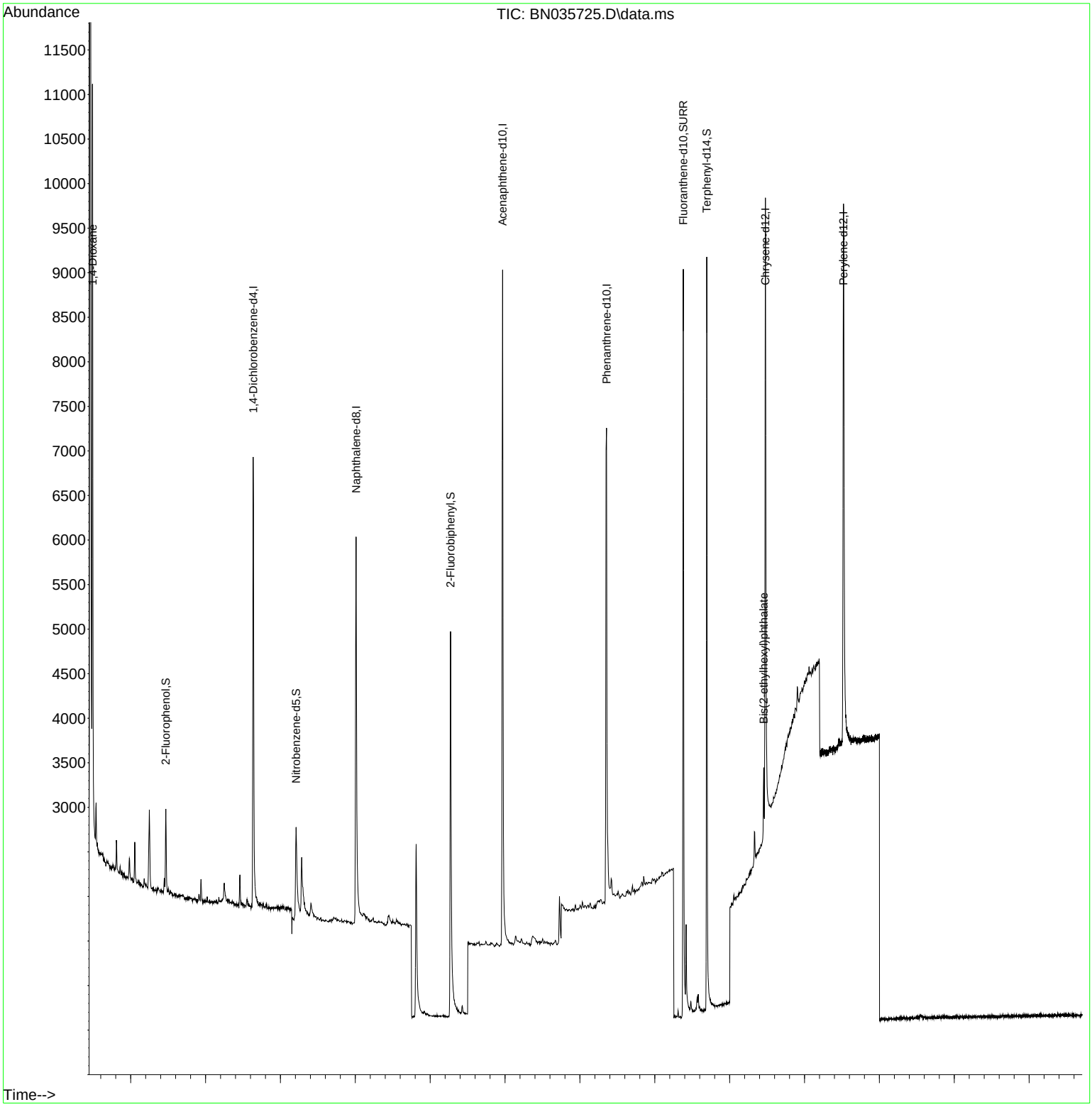
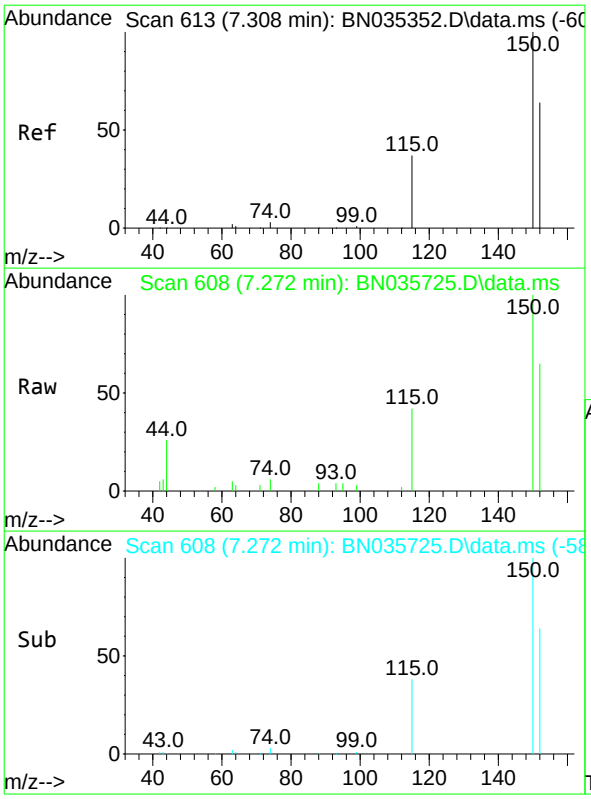
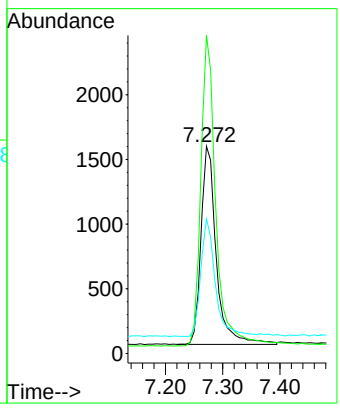




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.272 min Scan# 60
Delta R.T. -0.000 min
Lab File: BN035725.D
Acq: 20 Dec 2024 03:46

Tgt Ion:152 Resp: 2841

Ion	Ratio	Lower	Upper
152	100		
150	153.5	124.0	186.0
115	65.0	49.6	74.4



Instrument :
BNA_N
ClientSampleId :
RE125D3-20241210

Manual Integrations APPROVED

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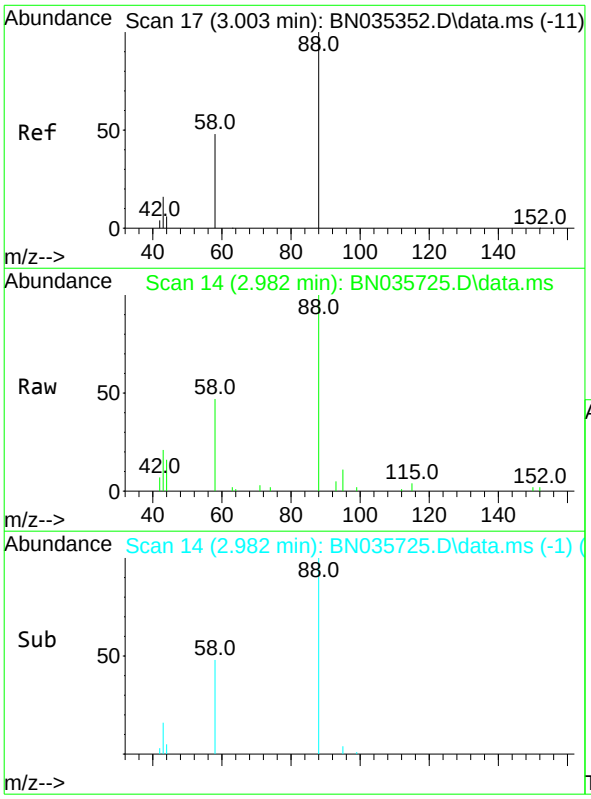
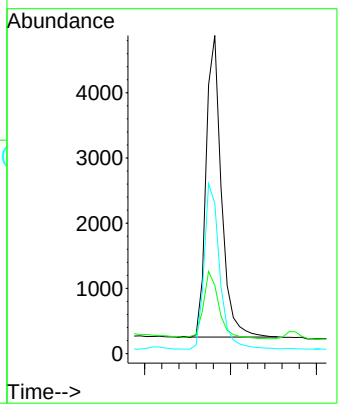
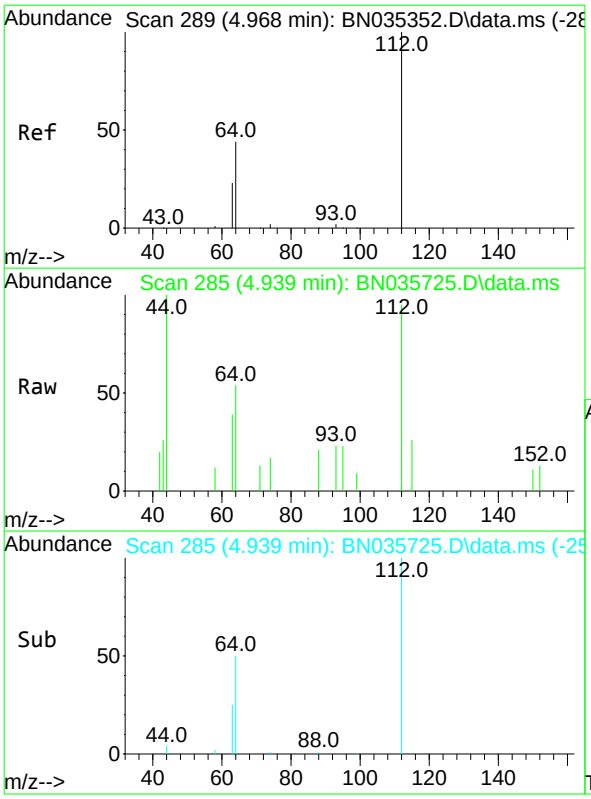


#2
1,4-Dioxane
Concen: 2.103 ng
RT: 2.982 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035725.D
Acq: 20 Dec 2024 03:46

Tgt Ion: 88 Resp: 5712

Ion	Ratio	Lower	Upper
88	100		
43	22.8	17.2	25.8
58	56.0	44.5	66.7

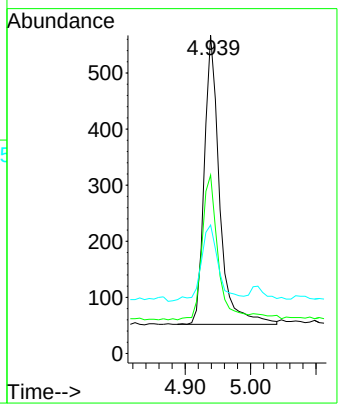




#4
2-Fluorophenol
Concen: 0.117 ng
RT: 4.939 min Scan# 28
Delta R.T. -0.000 min
Lab File: BN035725.D
Acq: 20 Dec 2024 03:46

Tgt Ion:112 Resp: 835

Ion	Ratio	Lower	Upper
112	100		
64	51.6	39.8	59.8
63	29.6	21.0	31.6



Instrument :
BNA_N
ClientSampleId :
RE125D3-20241210

Manual Integrations
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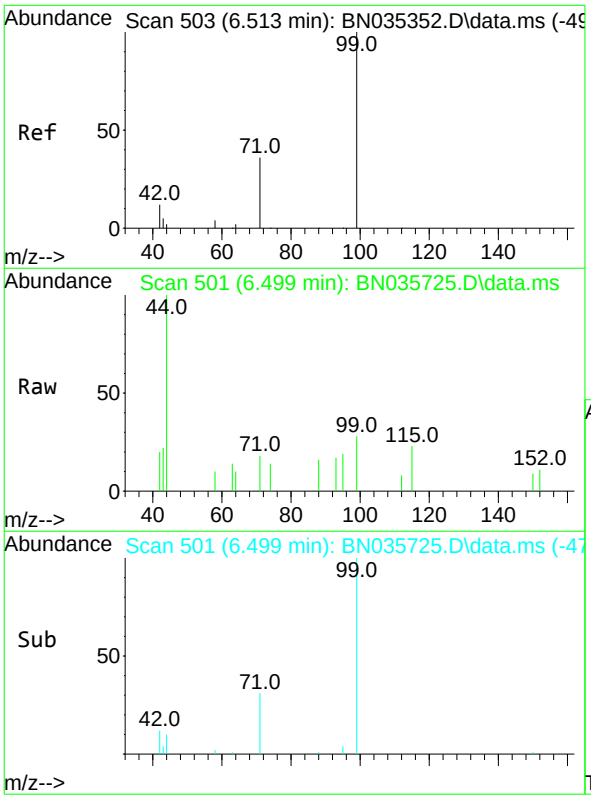
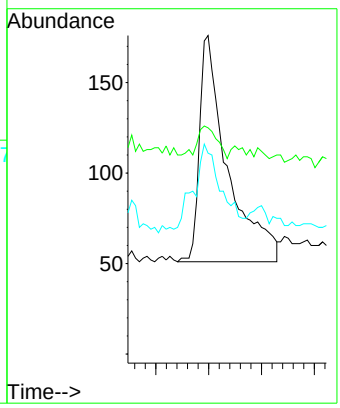
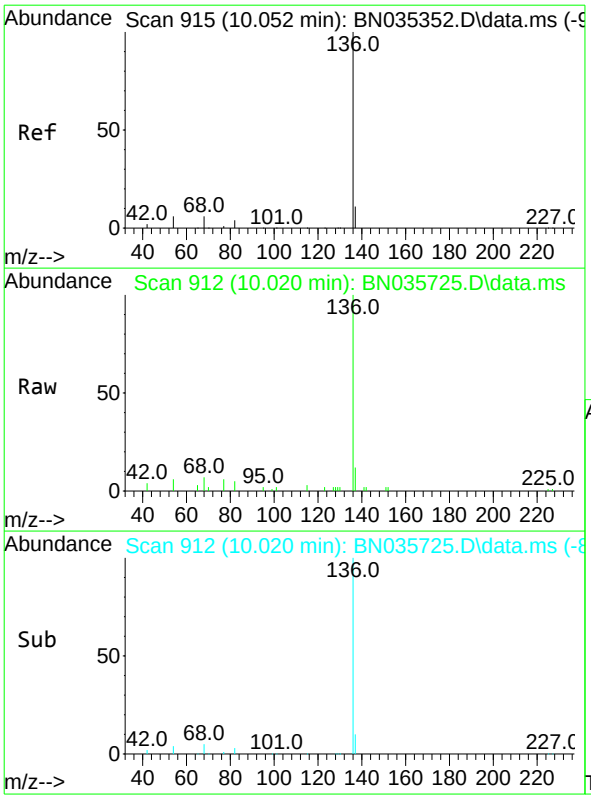


#5
Phenol-d6
Concen: 0.054 ng
RT: 6.499 min Scan# 501
Delta R.T. 0.007 min
Lab File: BN035725.D
Acq: 20 Dec 2024 03:46

Tgt Ion: 99 Resp: 460

Ion	Ratio	Lower	Upper
99	100		
42	10.2	11.4	17.2#
71	36.7	29.3	43.9

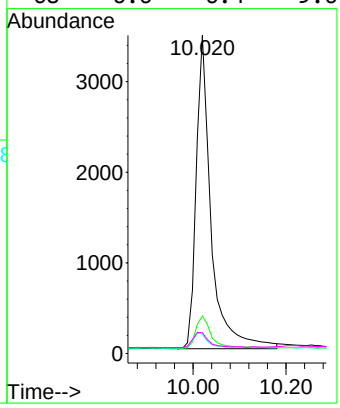




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.020 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN035725.D
Acq: 20 Dec 2024 03:46

Tgt Ion:136 Resp: 7711

Ion	Ratio	Lower	Upper
136	100		
137	11.8	10.2	15.2
54	6.0	6.1	9.1#
68	6.6	6.4	9.6



Instrument :
BNA_N
ClientSampleId :
RE125D3-20241210

Manual Integrations
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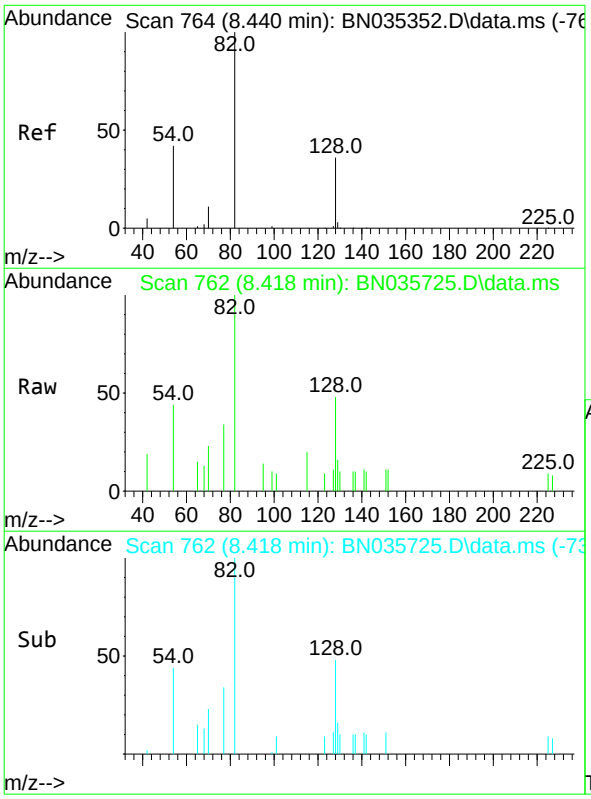
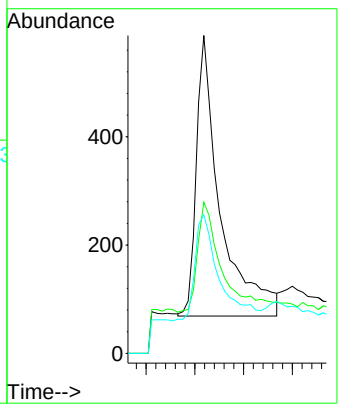
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

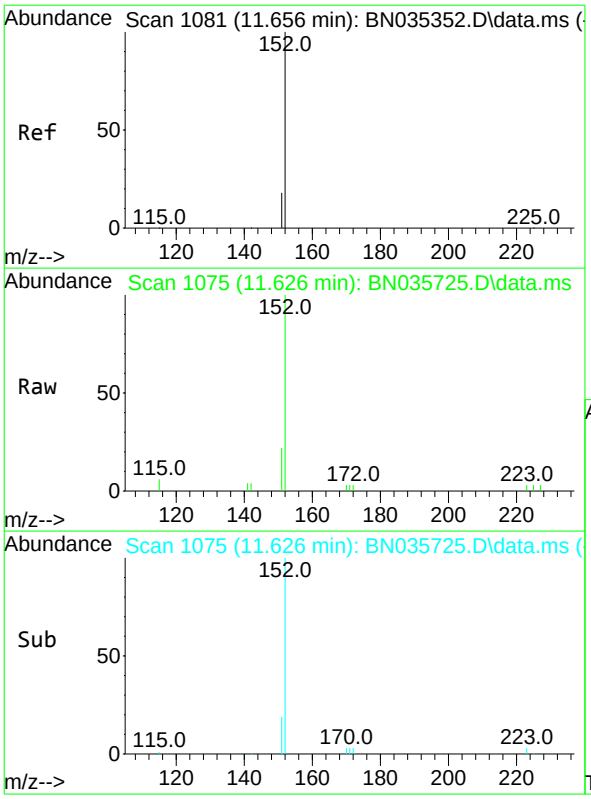


#8
Nitrobenzene-d5
Concen: 0.373 ng m
RT: 8.418 min Scan# 762
Delta R.T. 0.011 min
Lab File: BN035725.D
Acq: 20 Dec 2024 03:46

Tgt Ion: 82 Resp: 1758

Ion	Ratio	Lower	Upper
82	100		
128	47.5	33.4	50.0
54	43.6	36.7	55.1

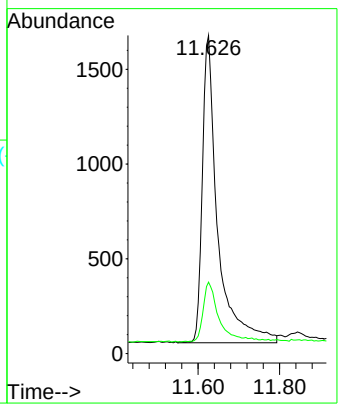




#11
2-Methylnaphthalene-d10
Concen: 0.351 ng
RT: 11.626 min Scan# 10
Delta R.T. 0.005 min
Lab File: BN035725.D
Acq: 20 Dec 2024 03:46

Tgt Ion:152 Resp: 4240

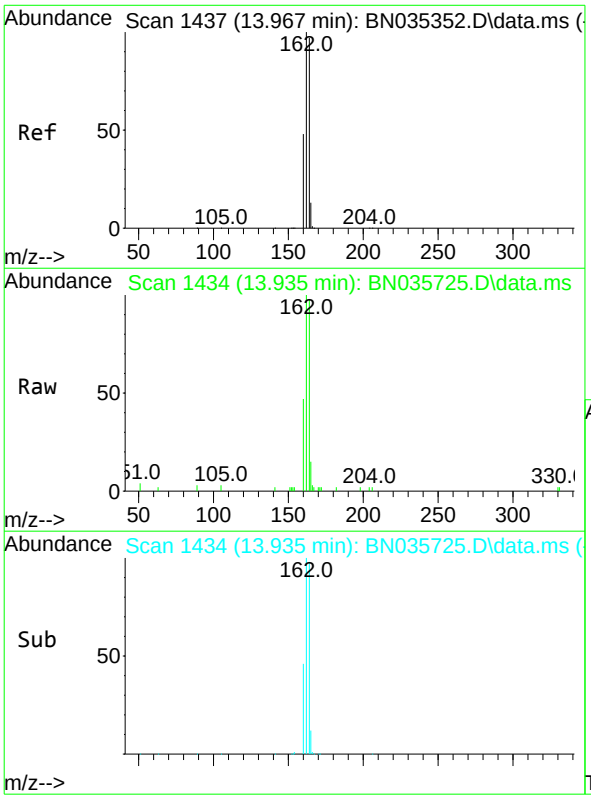
Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.6	25.0



Instrument :
BNA_N
ClientSampleId :
RE125D3-20241210

Manual Integrations
APPROVED

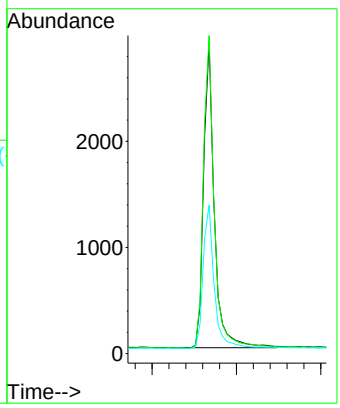
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

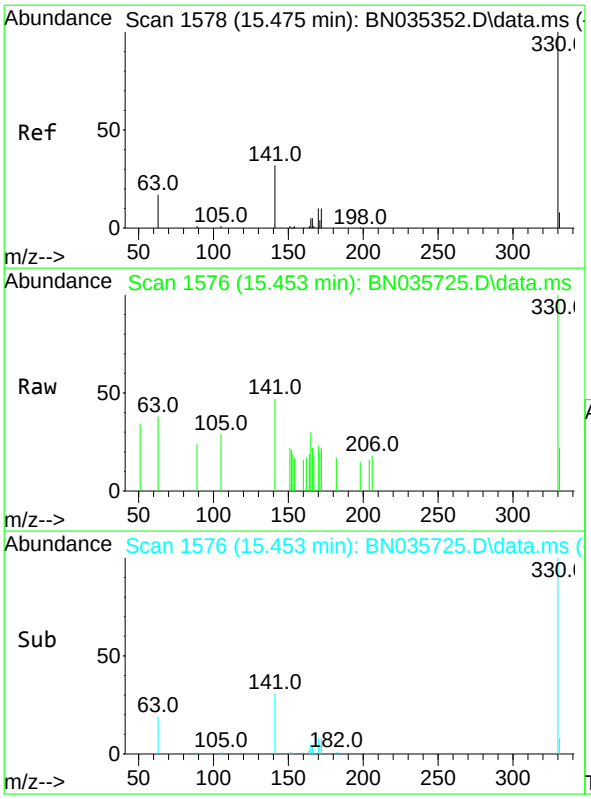


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.935 min Scan# 1434
Delta R.T. -0.000 min
Lab File: BN035725.D
Acq: 20 Dec 2024 03:46

Tgt Ion:164 Resp: 5101

Ion	Ratio	Lower	Upper
164	100		
162	102.3	82.2	123.2
160	47.7	40.1	60.1

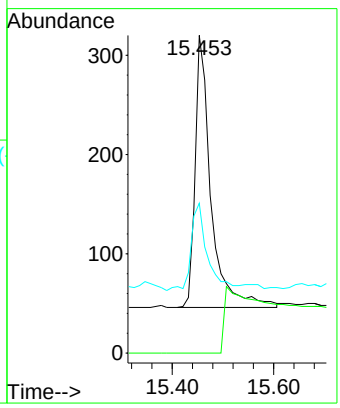




#14
2,4,6-Tribromophenol
Concen: 0.174 ng
RT: 15.453 min Scan# 15
Delta R.T. -0.000 min
Lab File: BN035725.D
Acq: 20 Dec 2024 03:46

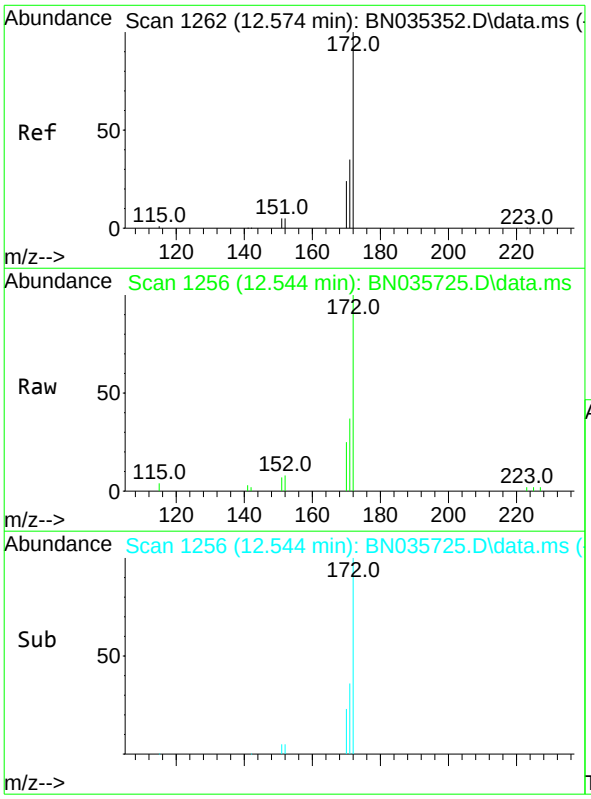
Tgt Ion:330 Resp: 631

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	31.7	26.6	40.0



Instrument :
BNA_N
ClientSampleId :
RE125D3-20241210

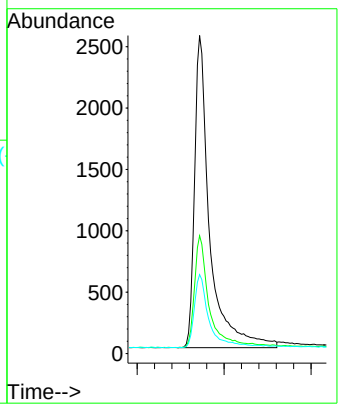
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

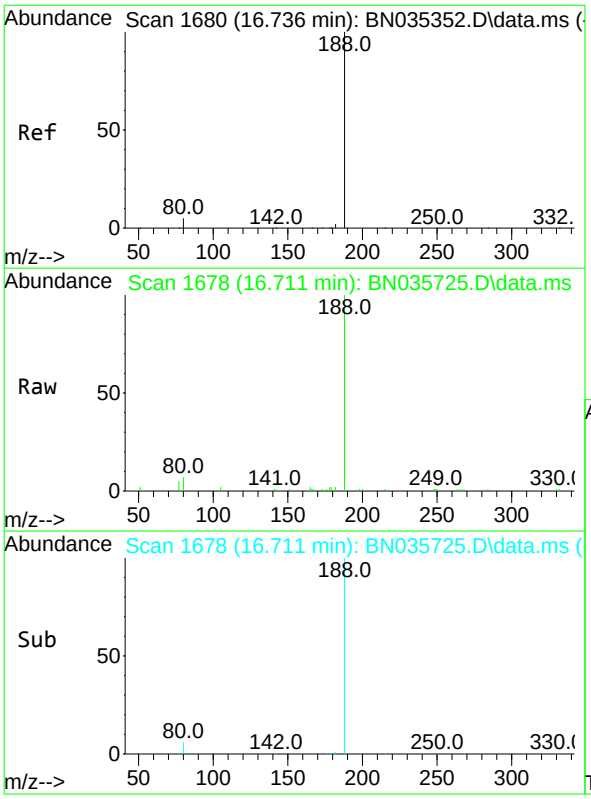


#15
2-Fluorobiphenyl
Concen: 0.318 ng
RT: 12.544 min Scan# 1256
Delta R.T. -0.000 min
Lab File: BN035725.D
Acq: 20 Dec 2024 03:46

Tgt Ion:172 Resp: 6139

Ion	Ratio	Lower	Upper
172	100		
171	37.1	29.0	43.4
170	24.8	19.8	29.8

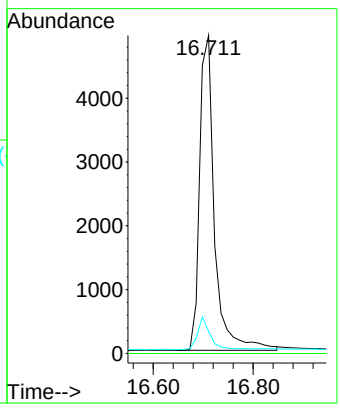




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.711 min Scan# 16
Delta R.T. 0.012 min
Lab File: BN035725.D
Acq: 20 Dec 2024 03:46

Tgt Ion:188 Resp: 10162

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.0	4.6	6.8#



Instrument :
BNA_N
ClientSampleId :
RE125D3-20241210

Manual Integrations
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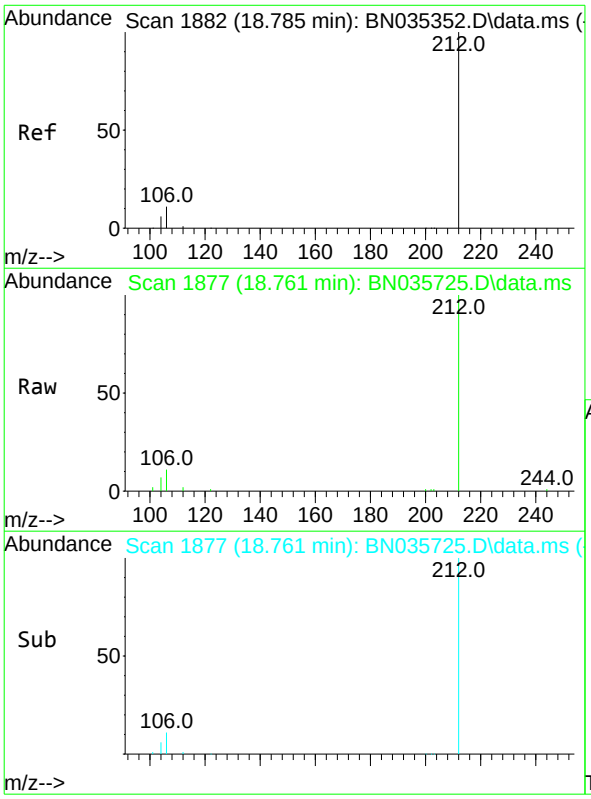
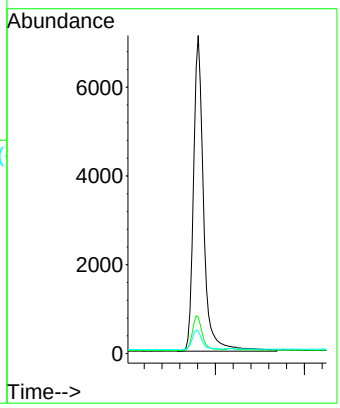
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

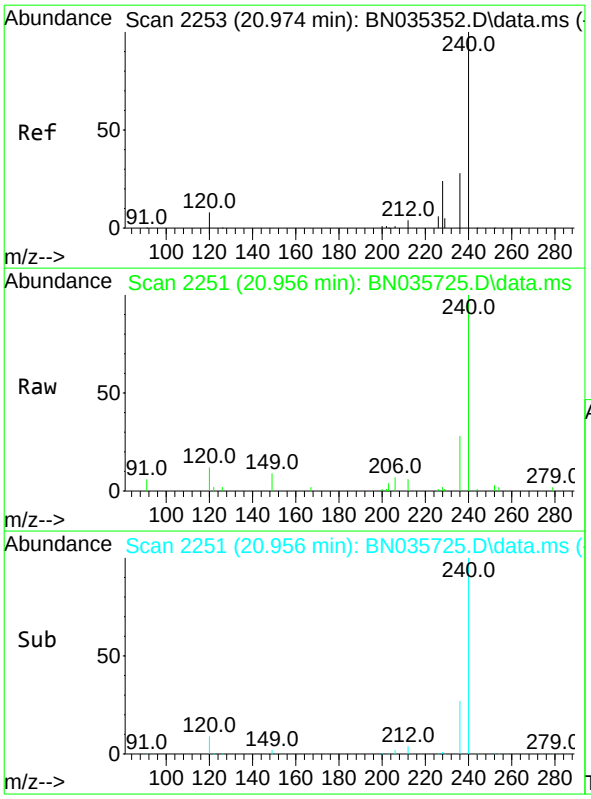


#27
Fluoranthene-d10
Concen: 0.391 ng
RT: 18.761 min Scan# 1877
Delta R.T. -0.000 min
Lab File: BN035725.D
Acq: 20 Dec 2024 03:46

Tgt Ion:212 Resp: 11262

Ion	Ratio	Lower	Upper
212	100		
106	10.8	9.2	13.8
104	6.1	5.3	7.9





#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.956 min Scan# 22
Delta R.T. -0.000 min
Lab File: BN035725.D
Acq: 20 Dec 2024 03:46

Tgt Ion:240 Resp: 8945

Ion	Ratio	Lower	Upper
240	100		
120	12.0	7.9	11.9#
236	28.0	22.9	34.3

Instrument :
BNA_N
ClientSampleId :
RE125D3-20241210

Manual Integrations
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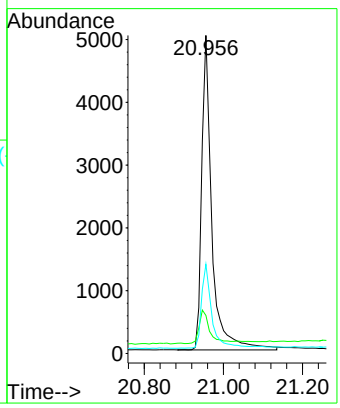
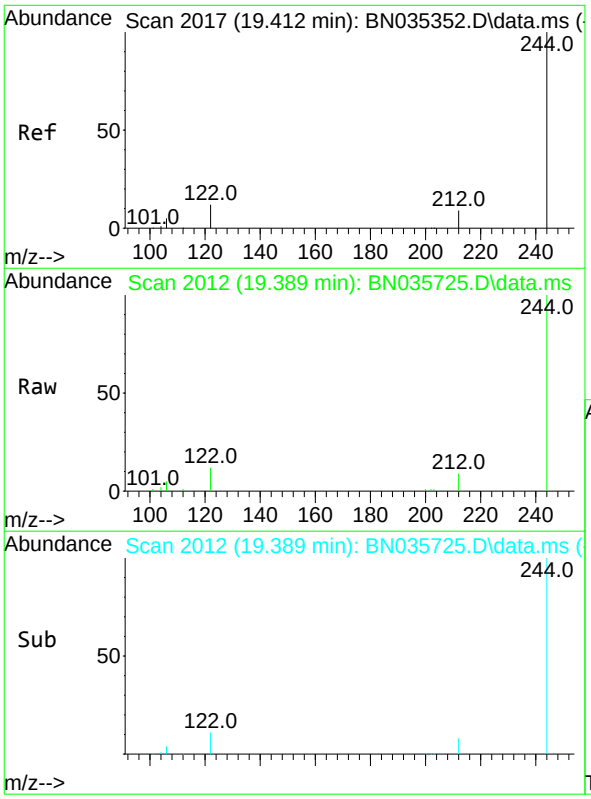
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

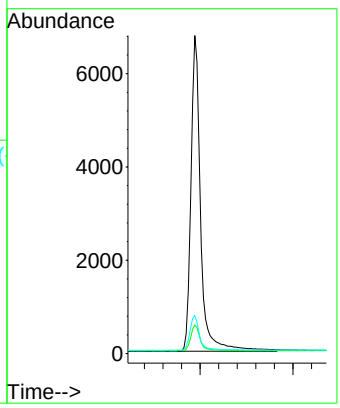


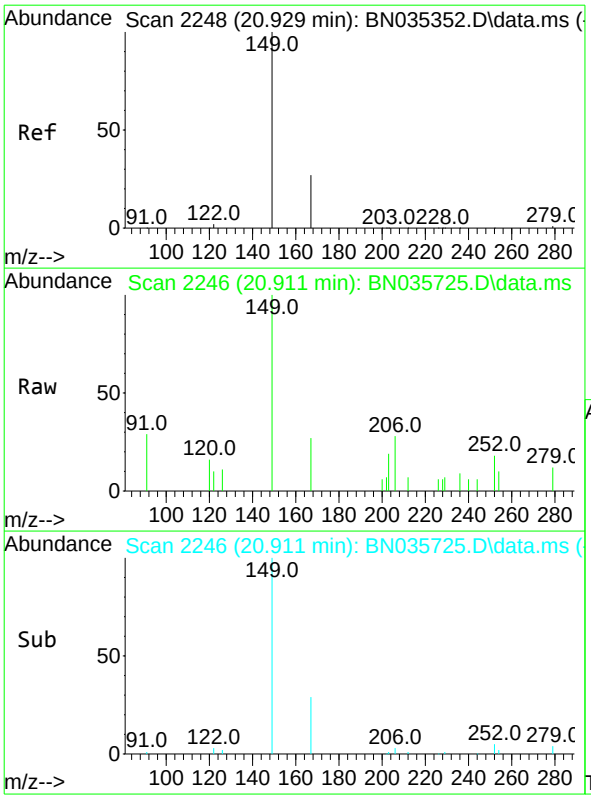


#31
Terphenyl-d14
Concen: 0.555 ng
RT: 19.389 min Scan# 2012
Delta R.T. -0.000 min
Lab File: BN035725.D
Acq: 20 Dec 2024 03:46

Tgt Ion:244 Resp: 9790

Ion	Ratio	Lower	Upper
244	100		
212	8.9	8.1	12.1
122	12.0	10.3	15.5





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.063 ng
RT: 20.911 min Scan# 22
Delta R.T. -0.000 min
Lab File: BN035725.D
Acq: 20 Dec 2024 03:46

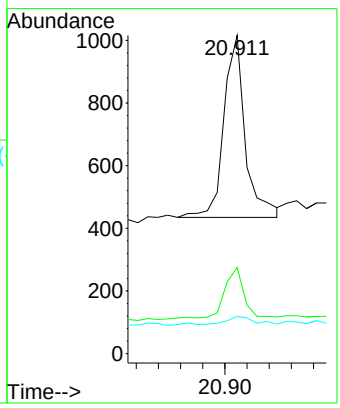
Tgt Ion:149 Resp: 780

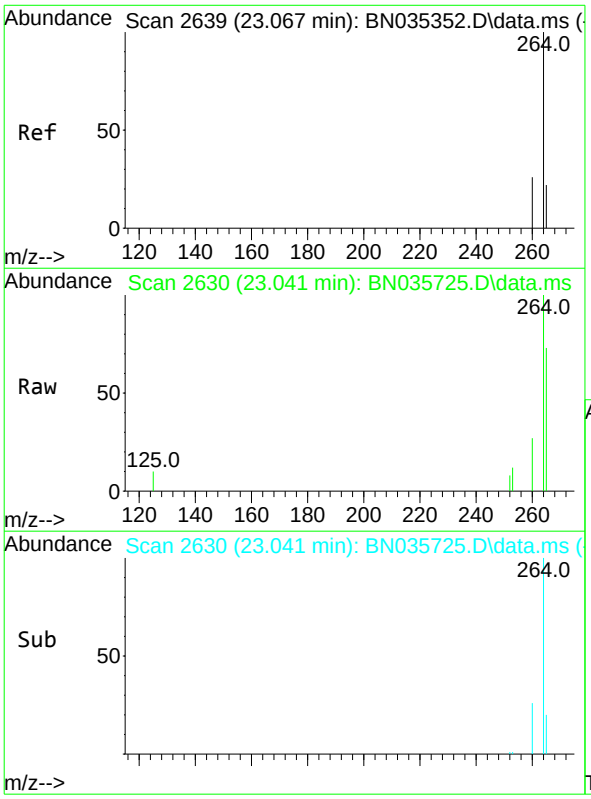
Ion	Ratio	Lower	Upper
149	100		
167	24.2	22.2	33.4
279	5.4	2.7	4.1#

Instrument :
BNA_N
ClientSampleId :
RE125D3-20241210

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

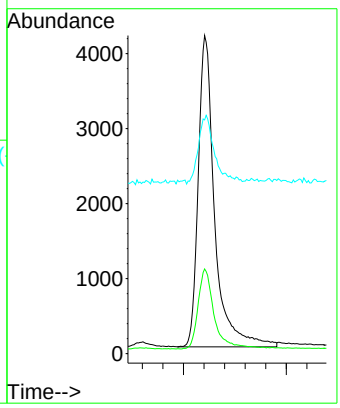




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.041 min Scan# 2630
Delta R.T. -0.000 min
Lab File: BN035725.D
Acq: 20 Dec 2024 03:46

Tgt Ion:264 Resp: 9224

Ion	Ratio	Lower	Upper
264	100		
260	26.6	21.4	32.2
265	73.5	40.2	60.4#



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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/10/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/11/24
Client Sample ID:	RE120D1-20241210	SDG No.:	P5261
Lab Sample ID:	P5261-17	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035727.D	1	12/12/24 10:30	12/20/24 04:58	PB165596

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.10	J	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.37		30 - 150		93%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.41		30 - 150		101%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.42		55 - 111		104%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.33		53 - 106		83%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.54	*	58 - 132		134%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2950	7.271				
1146-65-2	Naphthalene-d8	7550	10.02				
15067-26-2	Acenaphthene-d10	4980	13.935				
1517-22-2	Phenanthrene-d10	9720	16.711				
1719-03-5	Chrysene-d12	8460	20.956				
1520-96-3	Perylene-d12	8720	23.044				

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_N\Data\BN121924\
Data File : BN035727.D
Acq On : 20 Dec 2024 04:58
Operator : RC/JU
Sample : P5261-17
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE120D1-20241210

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

Quant Time: Dec 20 05:26:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.271	152	2945	0.400	ng	0.00
7) Naphthalene-d8	10.020	136	7549	0.400	ng	0.00
13) Acenaphthene-d10	13.935	164	4981	0.400	ng	0.00
19) Phenanthrene-d10	16.711	188	9724	0.400	ng	# 0.01
29) Chrysene-d12	20.956	240	8463	0.400	ng	# 0.00
35) Perylene-d12	23.044	264	8724	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.939	112	947	0.128	ng	0.00
5) Phenol-d6	6.499	99	510	0.058	ng	0.00
8) Nitrobenzene-d5	8.418	82	1928m	0.418	ng	0.01
11) 2-Methylnaphthalene-d10	11.631	152	4408	0.373	ng	0.00
14) 2,4,6-Tribromophenol	15.464	330	660	0.187	ng	0.01
15) 2-Fluorobiphenyl	12.549	172	6271	0.333	ng	0.00
27) Fluoranthene-d10	18.761	212	11167	0.405	ng	0.00
31) Terphenyl-d14	19.388	244	8979	0.538	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.981	88	286	0.102	ng	# 75
34) Bis(2-ethylhexyl)phtha...	20.911	149	793	0.068	ng	# 97

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

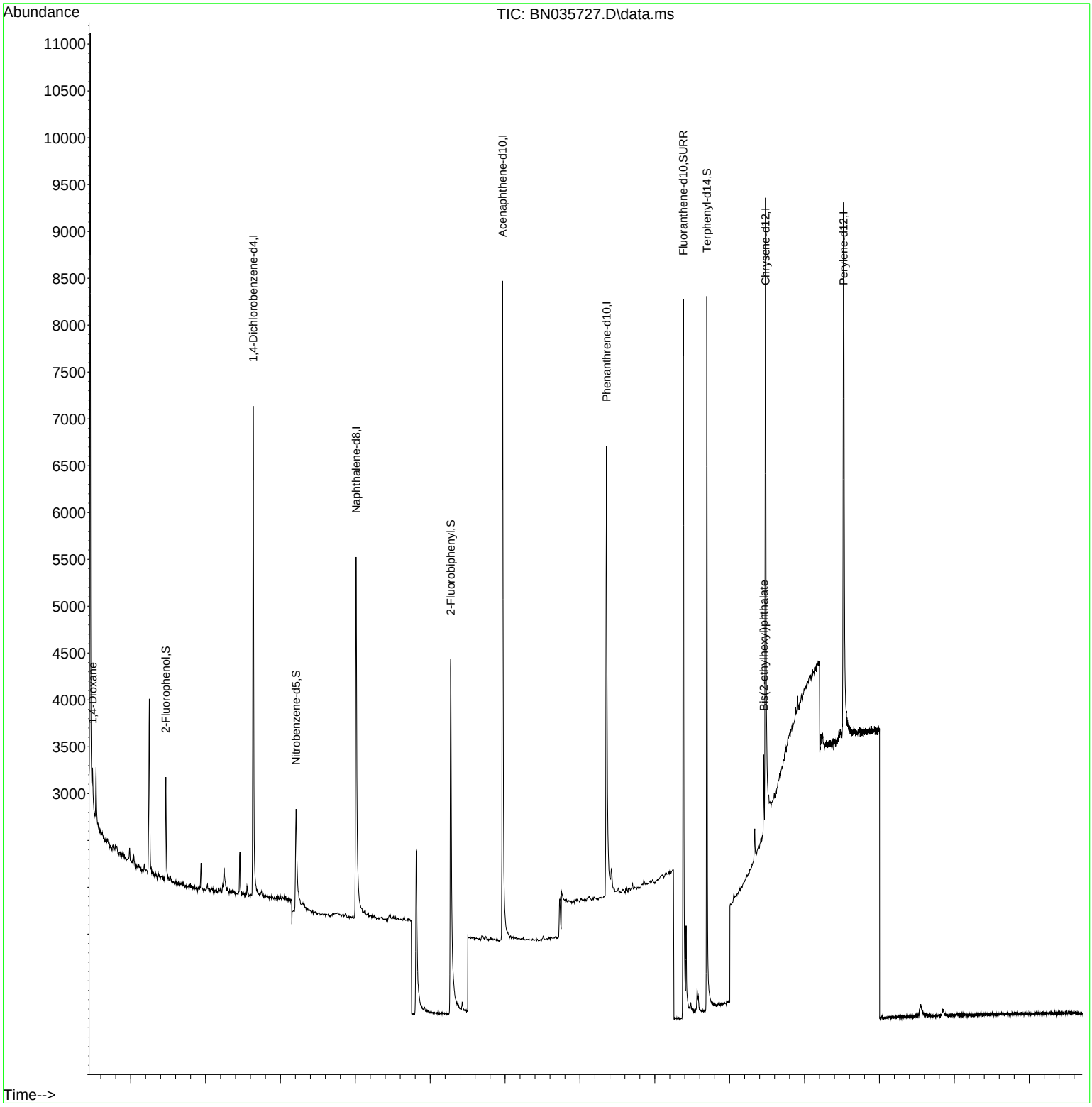
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035727.D
Acq On : 20 Dec 2024 04:58
Operator : RC/JU
Sample : P5261-17
Misc :
ALS Vial : 18 Sample Multiplier: 1

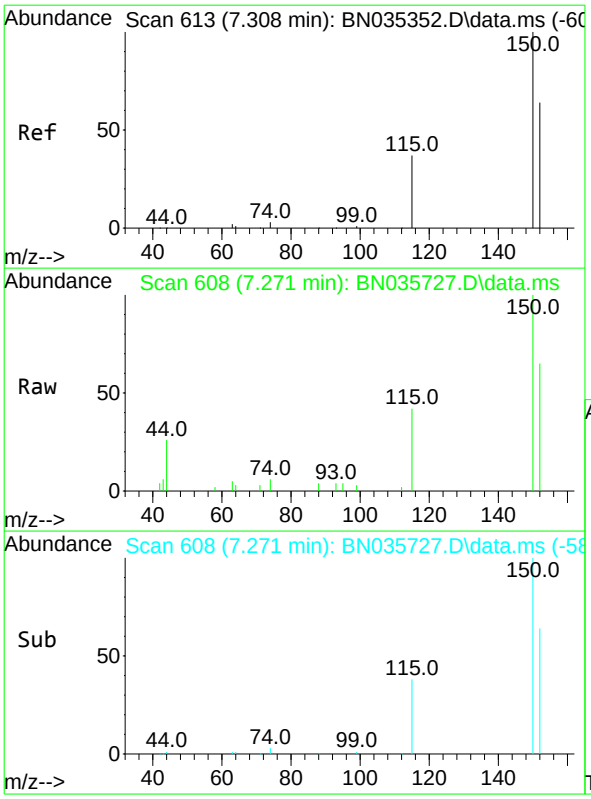
Quant Time: Dec 20 05:26:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
RE120D1-20241210

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

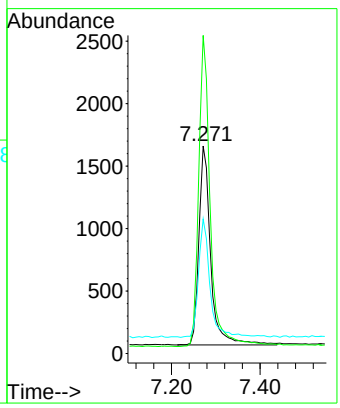




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.271 min Scan# 60
Delta R.T. -0.001 min
Lab File: BN035727.D
Acq: 20 Dec 2024 04:58

Tgt Ion:152 Resp: 2945

Ion	Ratio	Lower	Upper
152	100		
150	153.3	124.0	186.0
115	64.8	49.6	74.4



Instrument :
BNA_N
ClientSampleId :
RE120D1-20241210

Manual Integrations APPROVED

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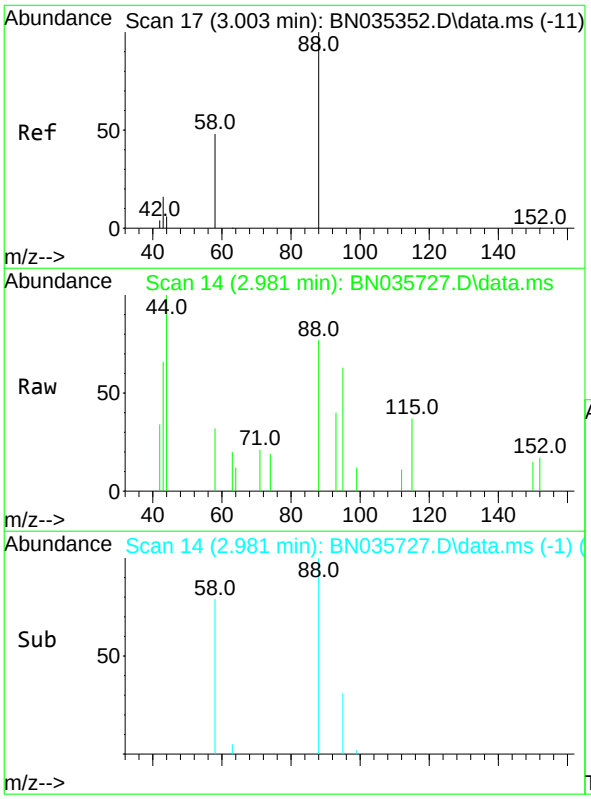
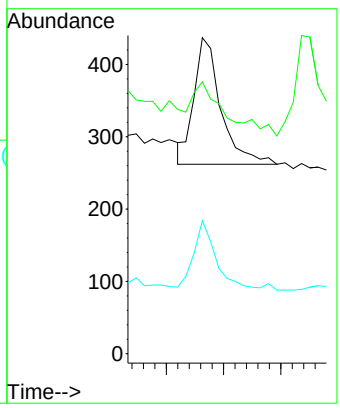
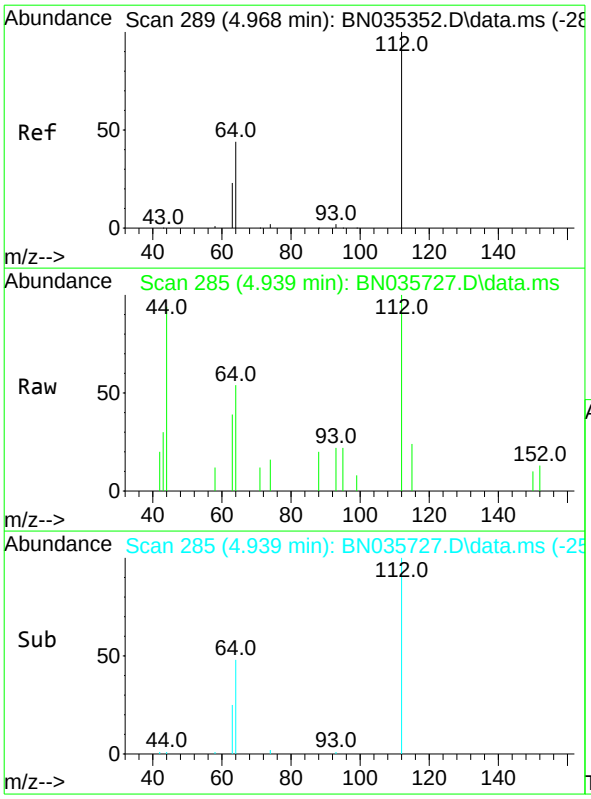


#2
1,4-Dioxane
Concen: 0.102 ng
RT: 2.981 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035727.D
Acq: 20 Dec 2024 04:58

Tgt Ion: 88 Resp: 286

Ion	Ratio	Lower	Upper
88	100		
43	51.7	17.2	25.8#
58	47.9	44.5	66.7

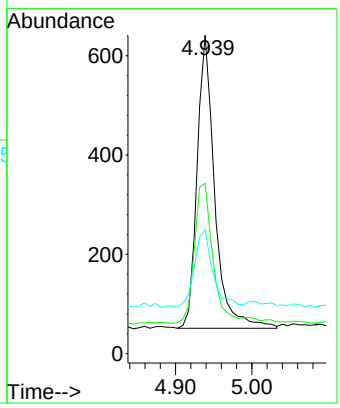




#4
2-Fluorophenol
Concen: 0.128 ng
RT: 4.939 min Scan# 28
Delta R.T. -0.000 min
Lab File: BN035727.D
Acq: 20 Dec 2024 04:58

Tgt Ion:112 Resp: 947

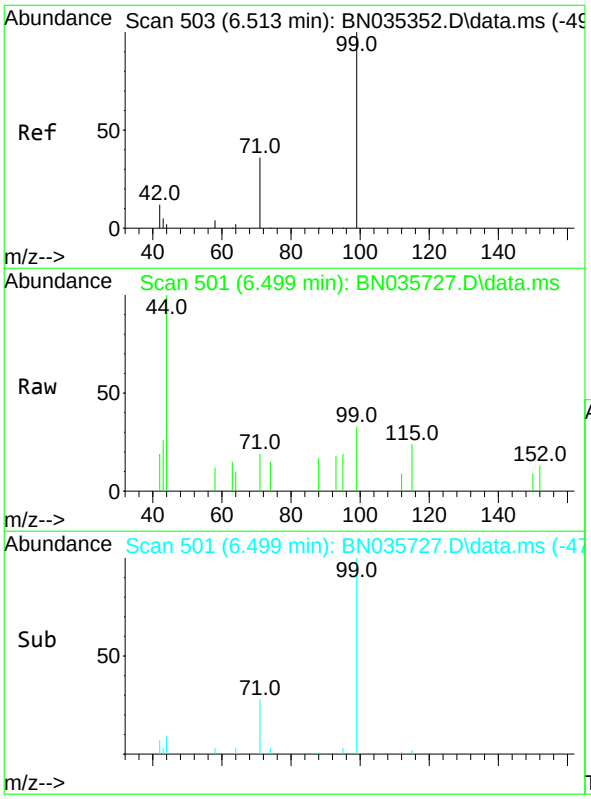
Ion	Ratio	Lower	Upper
112	100		
64	51.8	39.8	59.8
63	27.7	21.0	31.6



Instrument :
BNA_N
ClientSampleId :
RE120D1-20241210

Manual Integrations
APPROVED

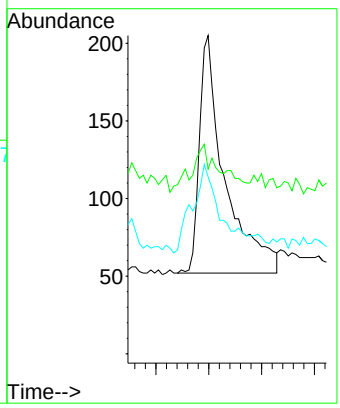
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

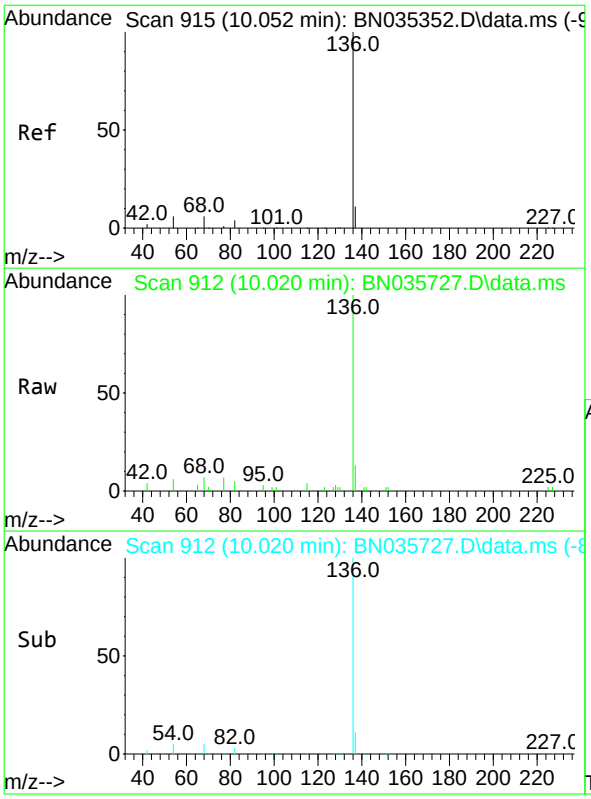


#5
Phenol-d6
Concen: 0.058 ng
RT: 6.499 min Scan# 501
Delta R.T. 0.007 min
Lab File: BN035727.D
Acq: 20 Dec 2024 04:58

Tgt Ion: 99 Resp: 510

Ion	Ratio	Lower	Upper
99	100		
42	9.8	11.4	17.2#
71	42.2	29.3	43.9

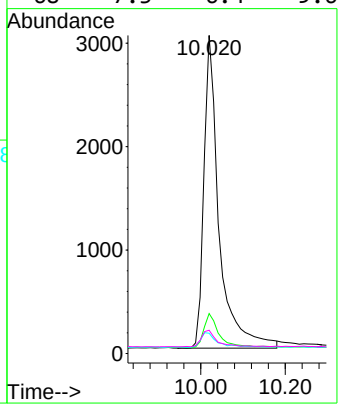




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.020 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN035727.D
Acq: 20 Dec 2024 04:58

Tgt Ion:136 Resp: 7549

Ion	Ratio	Lower	Upper
136	100		
137	12.6	10.2	15.2
54	6.4	6.1	9.1
68	7.3	6.4	9.6



Instrument :
BNA_N
ClientSampleId :
RE120D1-20241210

Manual Integrations
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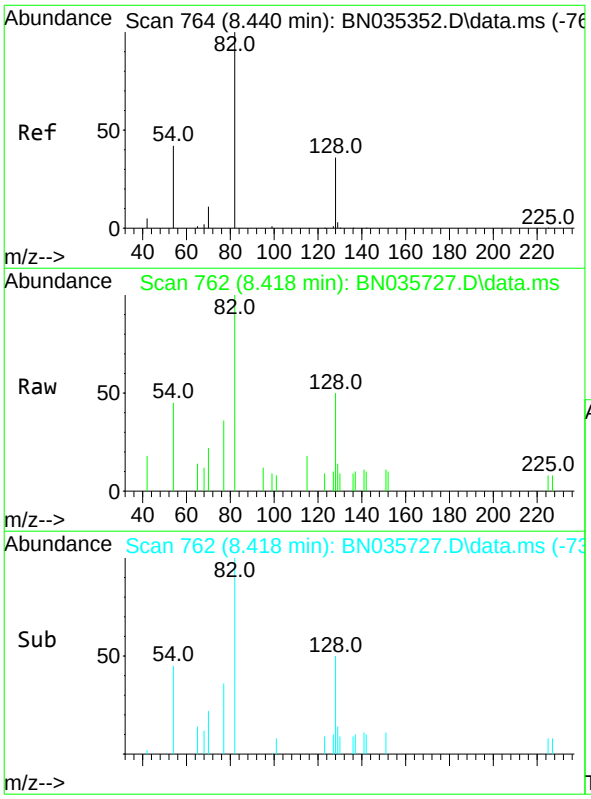
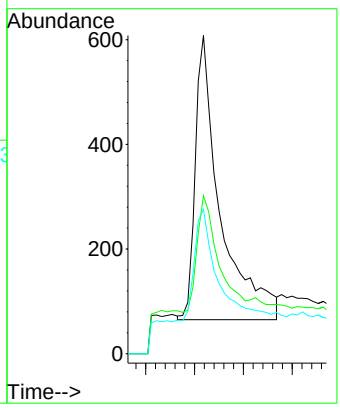
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

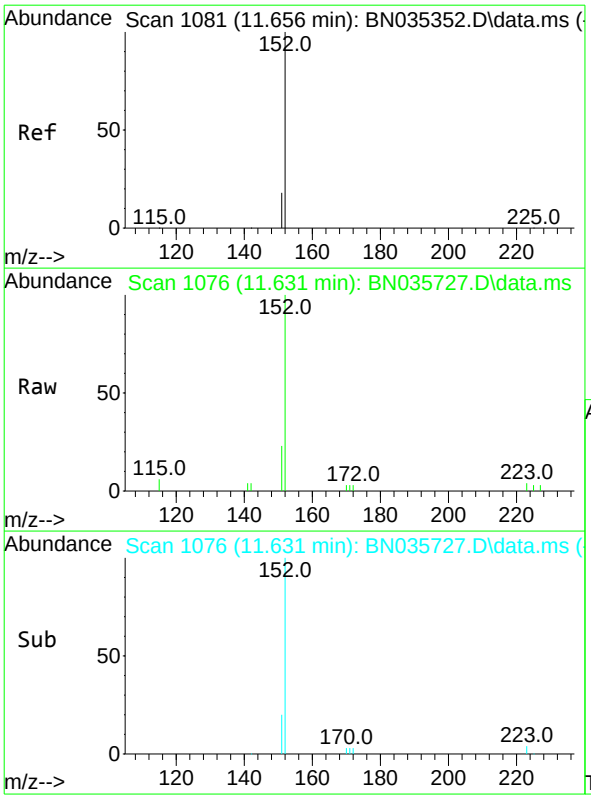


#8
Nitrobenzene-d5
Concen: 0.418 ng m
RT: 8.418 min Scan# 762
Delta R.T. 0.010 min
Lab File: BN035727.D
Acq: 20 Dec 2024 04:58

Tgt Ion: 82 Resp: 1928

Ion	Ratio	Lower	Upper
82	100		
128	49.7	33.4	50.0
54	45.4	36.7	55.1

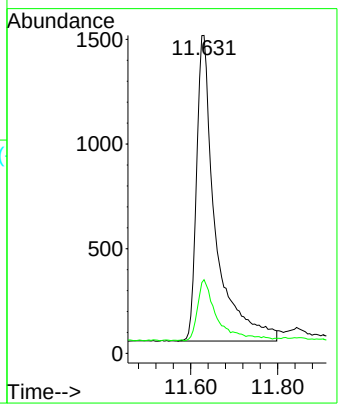




#11
2-Methylnaphthalene-d10
Concen: 0.373 ng
RT: 11.631 min Scan# 10
Delta R.T. 0.010 min
Lab File: BN035727.D
Acq: 20 Dec 2024 04:58

Tgt Ion:152 Resp: 4408

Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.6	25.0



Instrument :
BNA_N
ClientSampleId :
RE120D1-20241210

Manual Integrations
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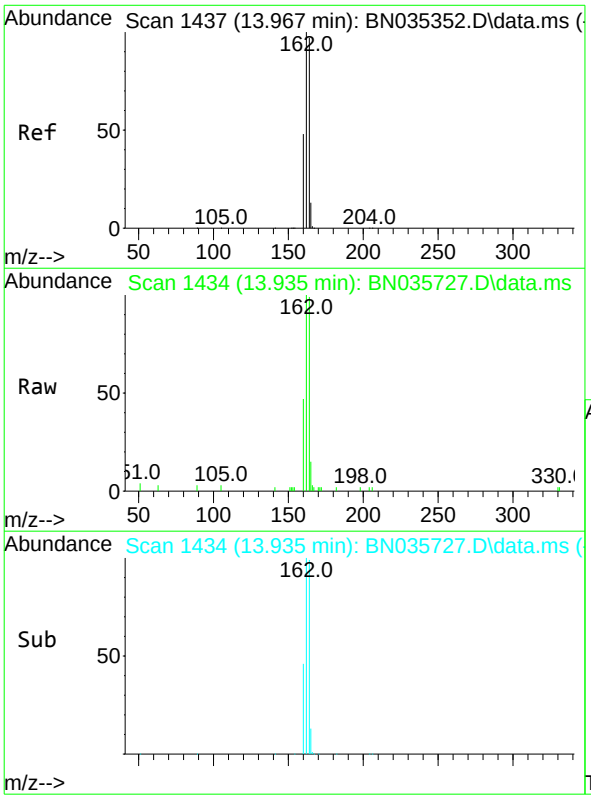
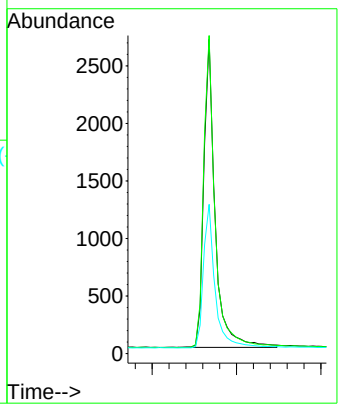
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

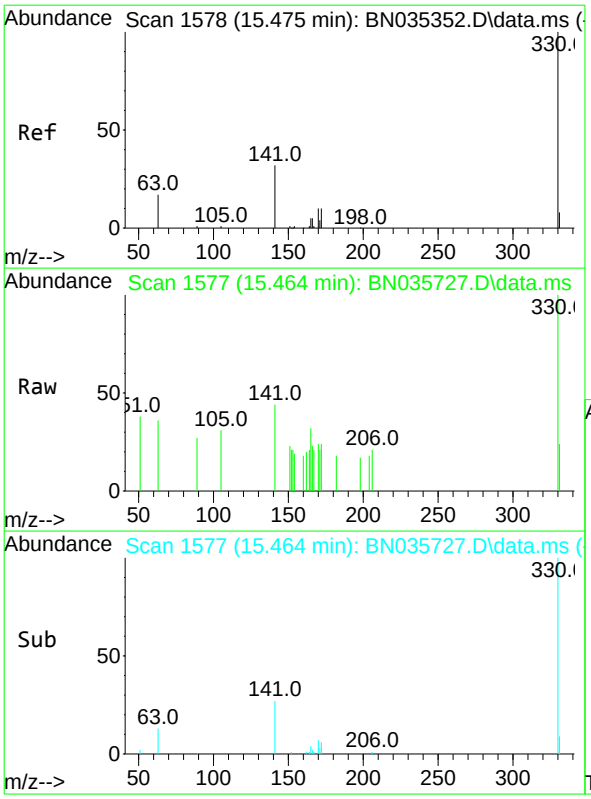


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.935 min Scan# 1434
Delta R.T. -0.000 min
Lab File: BN035727.D
Acq: 20 Dec 2024 04:58

Tgt Ion:164 Resp: 4981

Ion	Ratio	Lower	Upper
164	100		
162	101.2	82.2	123.2
160	47.5	40.1	60.1





#14
2,4,6-Tribromophenol
Concen: 0.187 ng
RT: 15.464 min Scan# 15
Delta R.T. 0.010 min
Lab File: BN035727.D
Acq: 20 Dec 2024 04:58

Tgt Ion:330 Resp: 660

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	32.4	26.6	40.0

Instrument :
BNA_N
ClientSampleId :
RE120D1-20241210

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/21/2024
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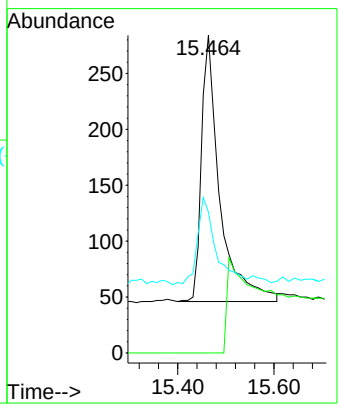
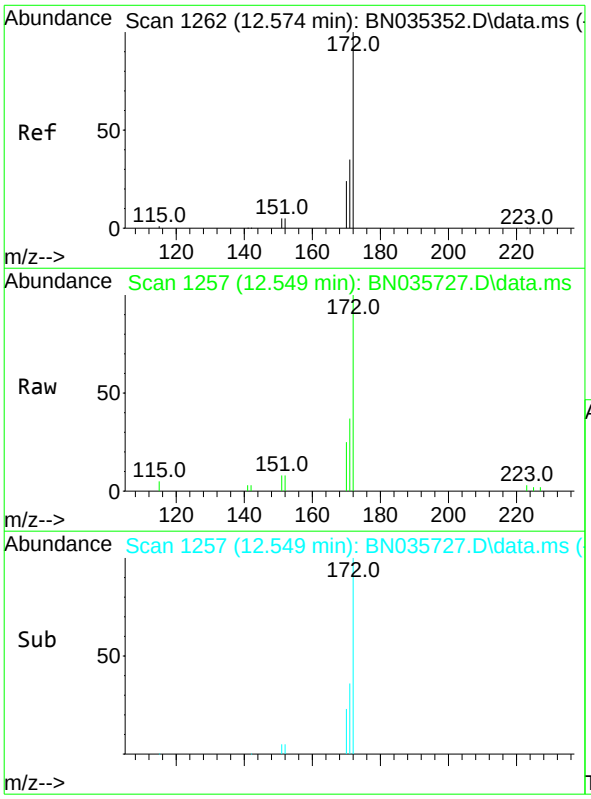
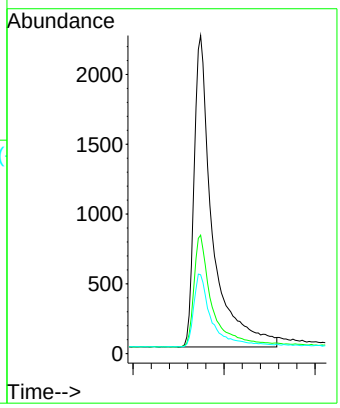


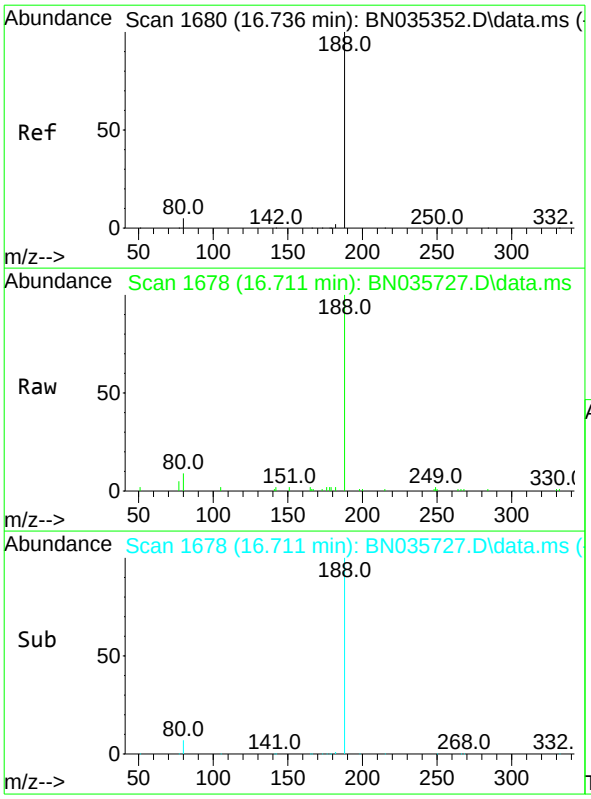


#15
2-Fluorobiphenyl
Concen: 0.333 ng
RT: 12.549 min Scan# 1257
Delta R.T. 0.005 min
Lab File: BN035727.D
Acq: 20 Dec 2024 04:58

Tgt Ion:172 Resp: 6271

Ion	Ratio	Lower	Upper
172	100		
171	37.3	29.0	43.4
170	24.8	19.8	29.8

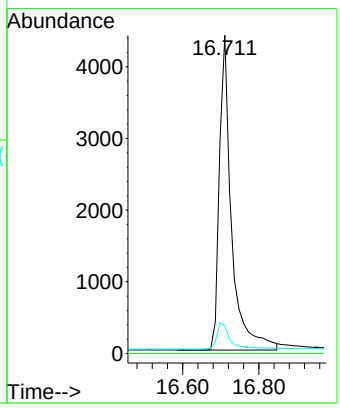




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.711 min Scan# 16
Delta R.T. 0.012 min
Lab File: BN035727.D
Acq: 20 Dec 2024 04:58

Tgt Ion:188 Resp: 9724

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.7	4.6	6.8#



Instrument :
BNA_N
ClientSampleId :
RE120D1-20241210

Manual Integrations APPROVED

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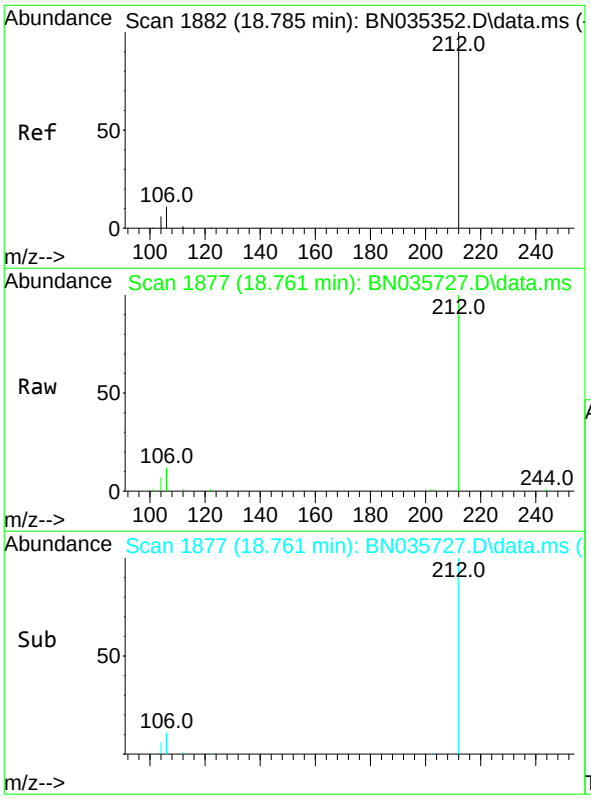
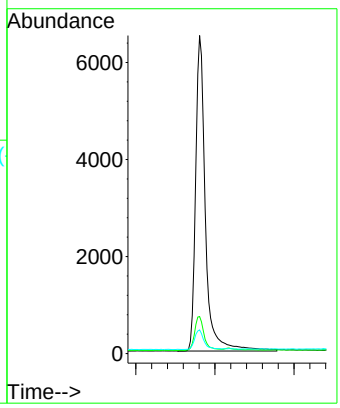
Supervised By :mohammad ahmed 12/24/2024

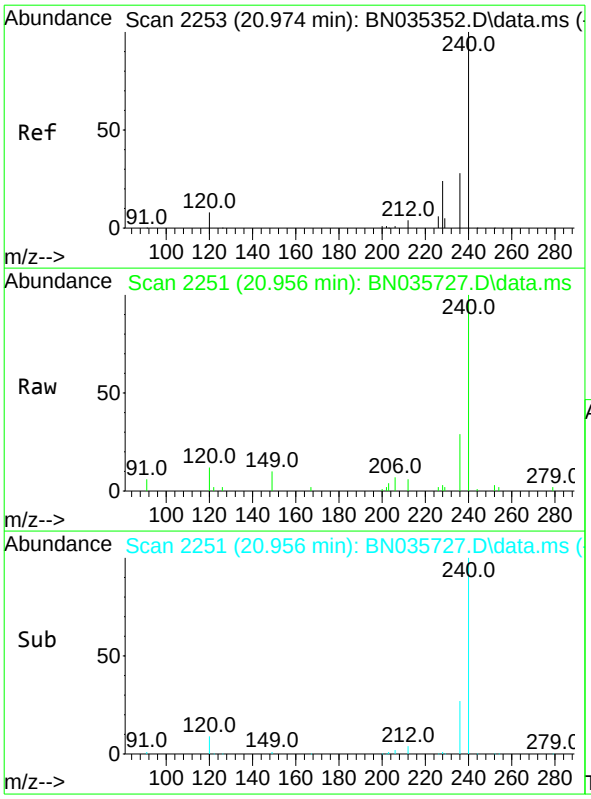


#27
Fluoranthene-d10
Concen: 0.405 ng
RT: 18.761 min Scan# 1877
Delta R.T. -0.000 min
Lab File: BN035727.D
Acq: 20 Dec 2024 04:58

Tgt Ion:212 Resp: 11167

Ion	Ratio	Lower	Upper
212	100		
106	10.4	9.2	13.8
104	5.9	5.3	7.9

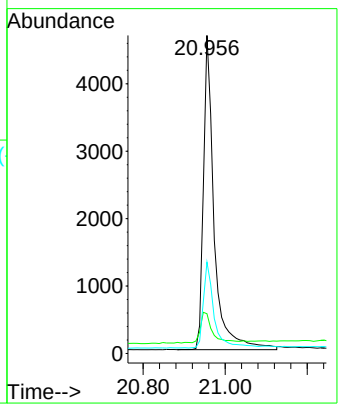




#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.956 min Scan# 22
Delta R.T. -0.000 min
Lab File: BN035727.D
Acq: 20 Dec 2024 04:58

Tgt Ion:240 Resp: 8463

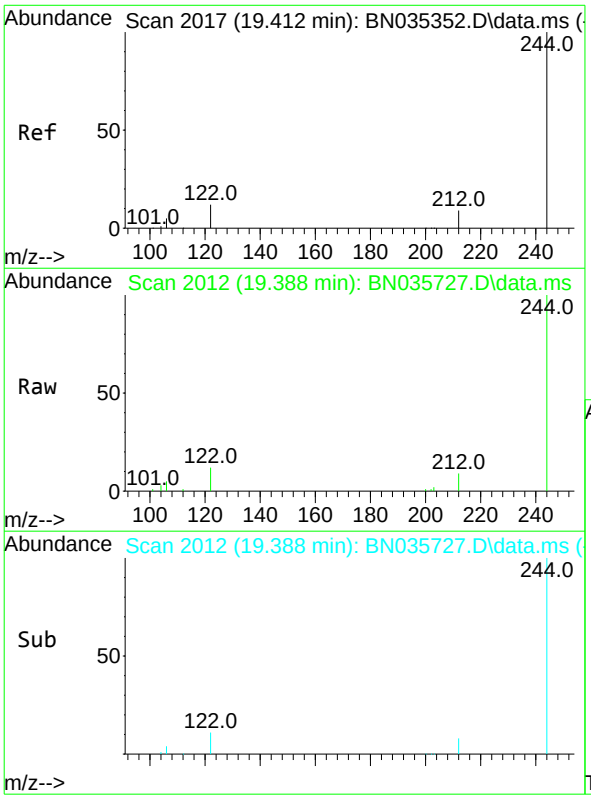
Ion	Ratio	Lower	Upper
240	100		
120	12.5	7.9	11.9#
236	28.7	22.9	34.3



Instrument :
BNA_N
ClientSampleId :
RE120D1-20241210

Manual Integrations APPROVED

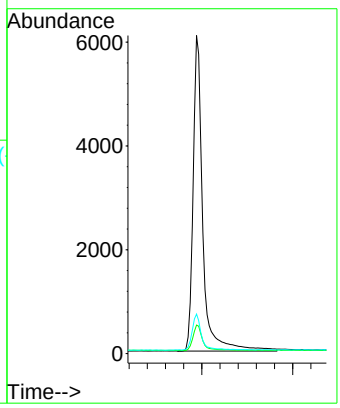
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

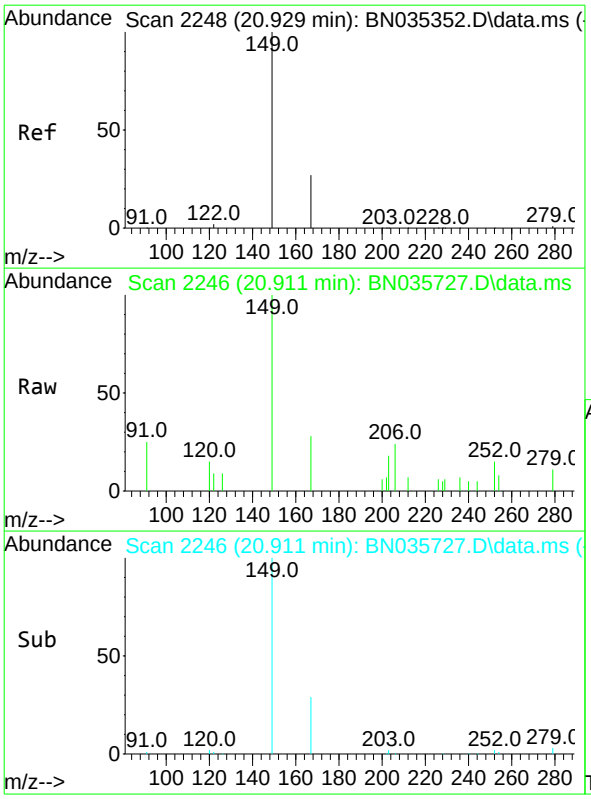


#31
Terphenyl-d14
Concen: 0.538 ng
RT: 19.388 min Scan# 2012
Delta R.T. -0.000 min
Lab File: BN035727.D
Acq: 20 Dec 2024 04:58

Tgt Ion:244 Resp: 8979

Ion	Ratio	Lower	Upper
244	100		
212	9.0	8.1	12.1
122	12.4	10.3	15.5





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.068 ng
RT: 20.911 min Scan# 22
Delta R.T. -0.000 min
Lab File: BN035727.D
Acq: 20 Dec 2024 04:58

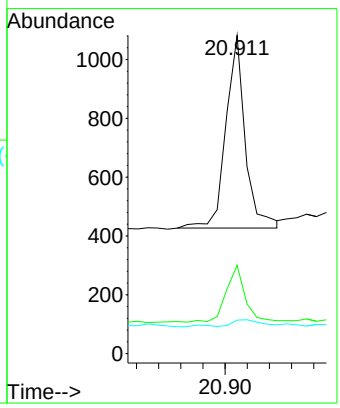
Tgt Ion:149 Resp: 793

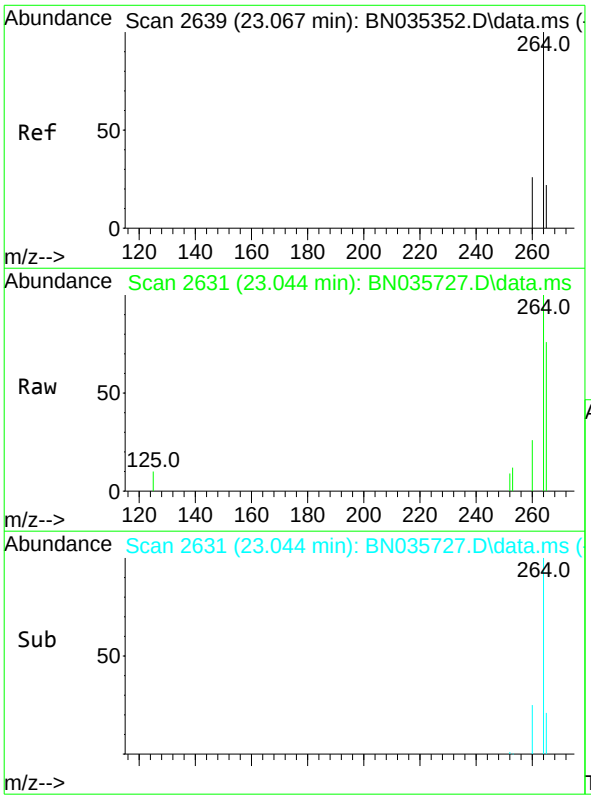
Ion	Ratio	Lower	Upper
149	100		
167	29.3	22.2	33.4
279	6.4	2.7	4.1#

Instrument :
BNA_N
ClientSampleId :
RE120D1-20241210

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

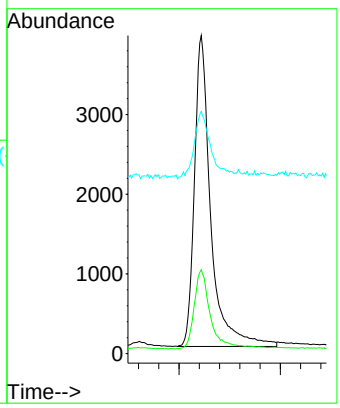




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.044 min Scan# 2631
Delta R.T. 0.003 min
Lab File: BN035727.D
Acq: 20 Dec 2024 04:58

Tgt Ion:264 Resp: 8724

Ion	Ratio	Lower	Upper
264	100		
260	26.4	21.4	32.2
265	76.1	40.2	60.4#



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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/10/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/11/24
Client Sample ID:	RE120D2-20241210	SDG No.:	P5261
Lab Sample ID:	P5261-18	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	870 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035739.D	1	12/12/24 10:30	12/20/24 13:29	PB165596

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	4.30		0.080	0.23	0.23	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.36		30 - 150		90%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.41		30 - 150		101%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.38		55 - 111		94%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.32		53 - 106		81%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.53		58 - 132		132%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3450	7.272				
1146-65-2	Naphthalene-d8	8880	10.02				
15067-26-2	Acenaphthene-d10	5880	13.935				
1517-22-2	Phenanthrene-d10	11900	16.711				
1719-03-5	Chrysene-d12	10300	20.956				
1520-96-3	Perylene-d12	10300	23.044				

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_N\Data\BN121924\
Data File : BN035739.D
Acq On : 20 Dec 2024 13:29
Operator : RC/JU
Sample : P5261-18
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE120D2-20241210

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

Quant Time: Dec 20 14:18:53 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.272	152	3452	0.400	ng	0.00
7) Naphthalene-d8	10.020	136	8881	0.400	ng	# 0.00
13) Acenaphthene-d10	13.935	164	5884	0.400	ng	0.00
19) Phenanthrene-d10	16.711	188	11860	0.400	ng	# 0.01
29) Chrysene-d12	20.956	240	10328	0.400	ng	# 0.00
35) Perylene-d12	23.044	264	10315	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.939	112	1173	0.136	ng	0.00
5) Phenol-d6	6.492	99	660	0.064	ng	0.00
8) Nitrobenzene-d5	8.408	82	2040m	0.376	ng	0.00
11) 2-Methylnaphthalene-d10	11.626	152	4976	0.358	ng	0.00
14) 2,4,6-Tribromophenol	15.464	330	758	0.181	ng	0.01
15) 2-Fluorobiphenyl	12.544	172	7160	0.322	ng	0.00
27) Fluoranthene-d10	18.762	212	13658	0.406	ng	0.00
31) Terphenyl-d14	19.389	244	10711	0.526	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.982	88	12453	3.774	ng	100
34) Bis(2-ethylhexyl)phtha...	20.911	149	901	0.063	ng	# 93

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

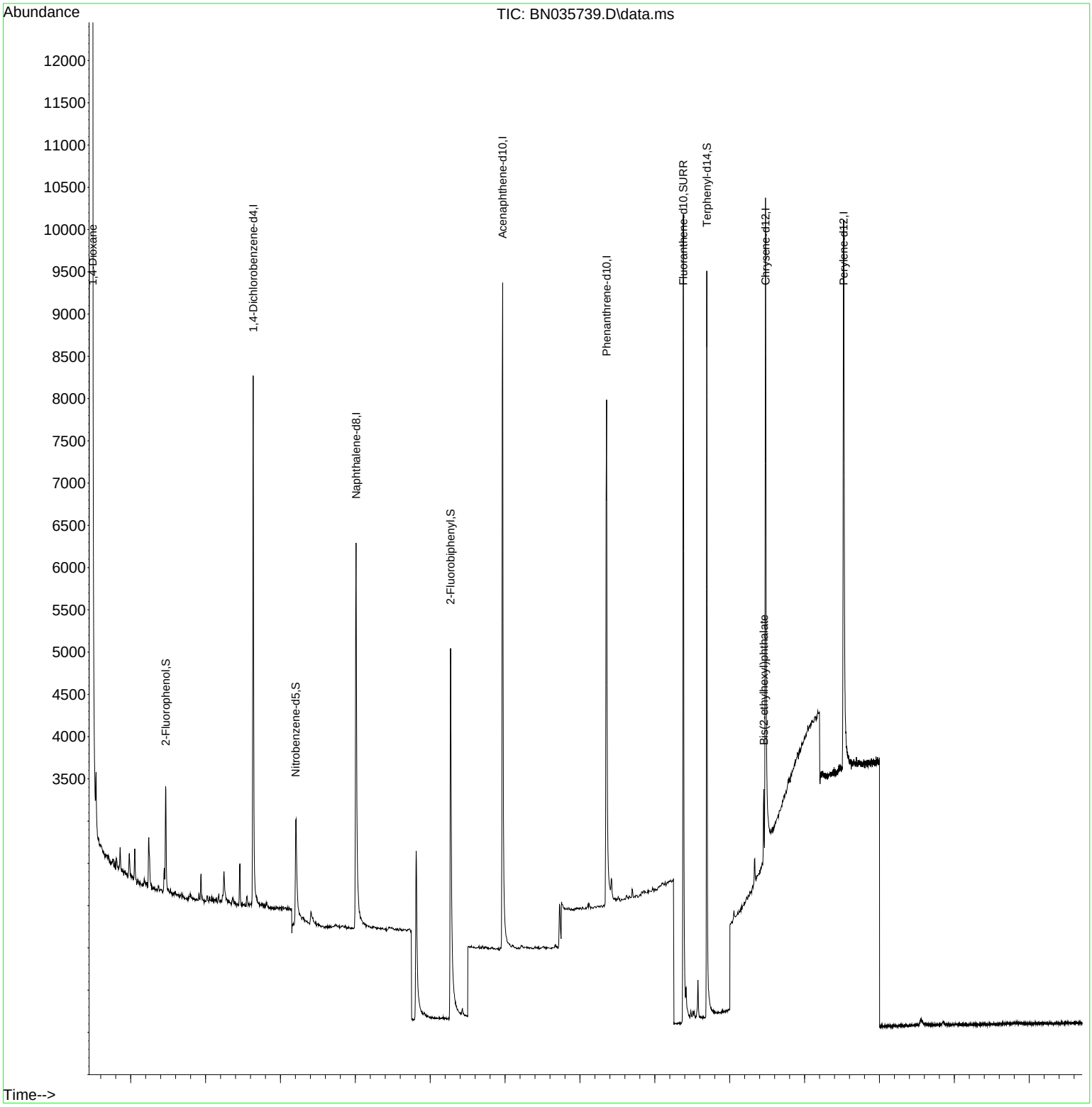
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035739.D
Acq On : 20 Dec 2024 13:29
Operator : RC/JU
Sample : P5261-18
Misc :
ALS Vial : 30 Sample Multiplier: 1

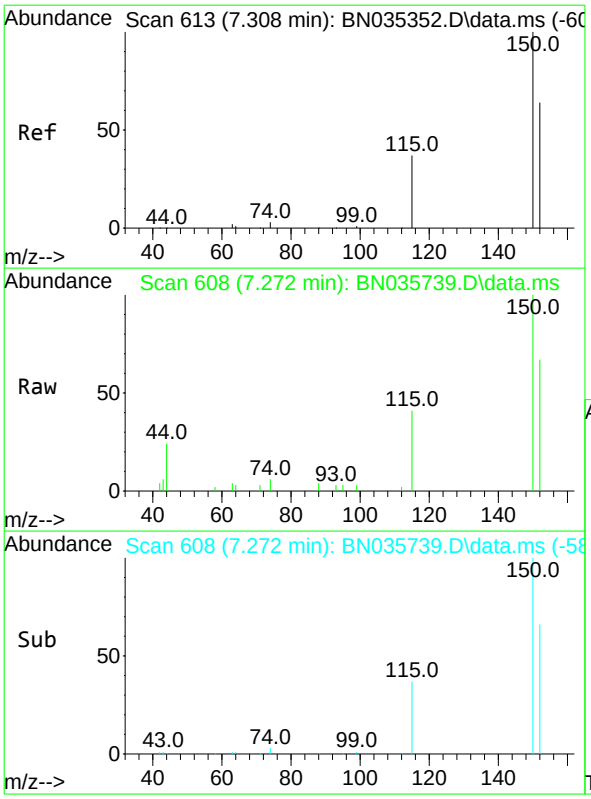
Quant Time: Dec 20 14:18:53 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
RE120D2-20241210

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

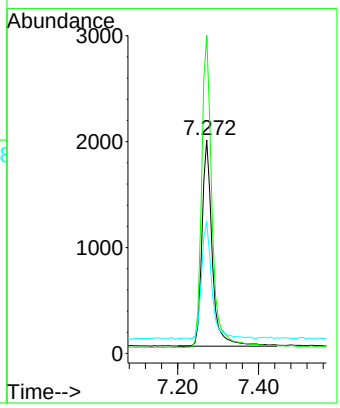




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.272 min Scan# 60
Delta R.T. -0.000 min
Lab File: BN035739.D
Acq: 20 Dec 2024 13:29

Tgt Ion:152 Resp: 3452

Ion	Ratio	Lower	Upper
152	100		
150	149.0	124.0	186.0
115	61.3	49.6	74.4



Instrument :
BNA_N
ClientSampleId :
RE120D2-20241210

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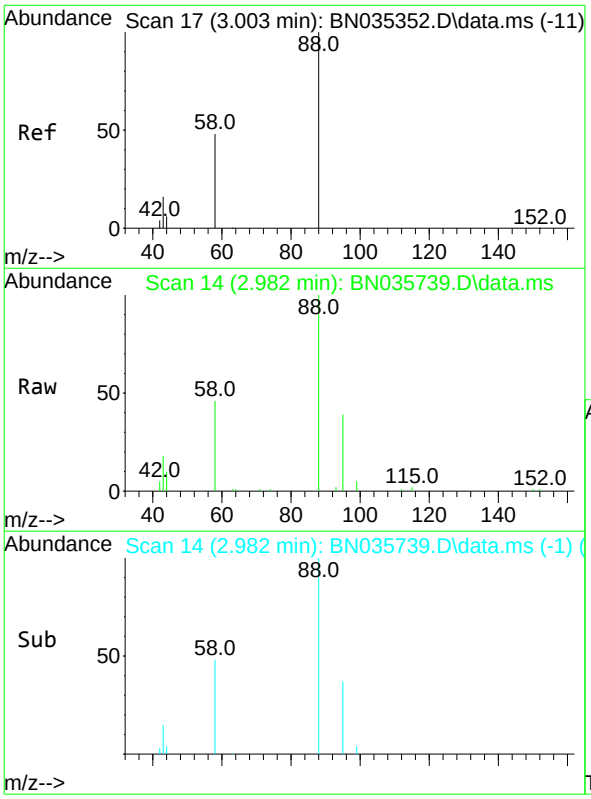
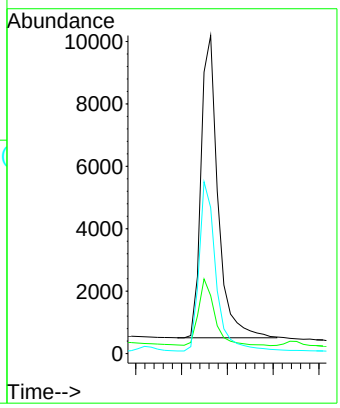
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

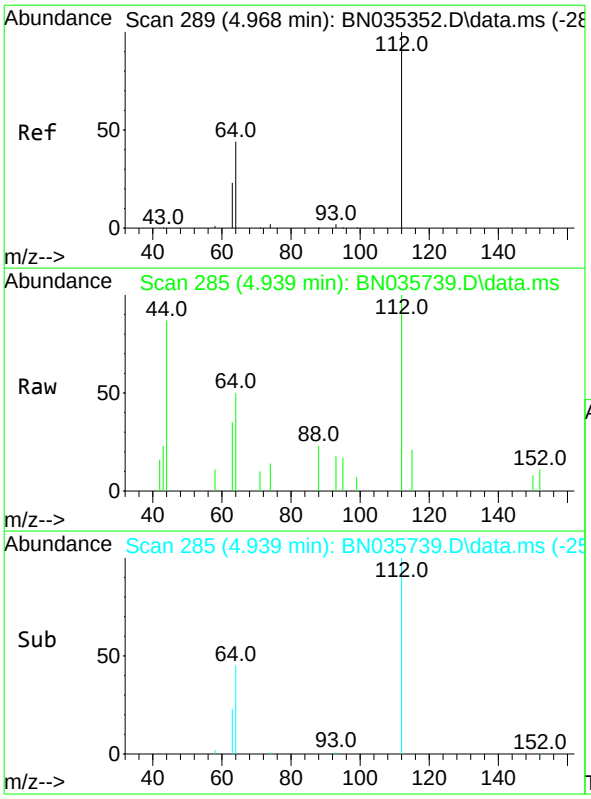


#2
1,4-Dioxane
Concen: 3.774 ng
RT: 2.982 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN035739.D
Acq: 20 Dec 2024 13:29

Tgt Ion: 88 Resp: 12453

Ion	Ratio	Lower	Upper
88	100		
43	21.0	17.2	25.8
58	55.6	44.5	66.7

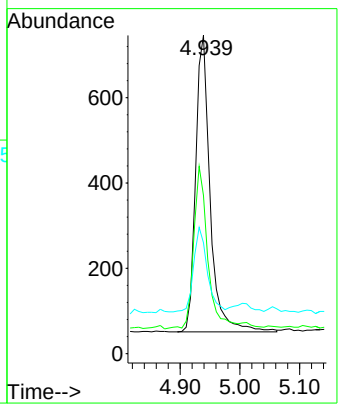




#4
2-Fluorophenol
Concen: 0.136 ng
RT: 4.939 min Scan# 28
Delta R.T. 0.000 min
Lab File: BN035739.D
Acq: 20 Dec 2024 13:29

Tgt Ion:112 Resp: 1173

Ion	Ratio	Lower	Upper
112	100		
64	51.6	39.8	59.8
63	26.6	21.0	31.6



Instrument :
BNA_N
ClientSampleId :
RE120D2-20241210

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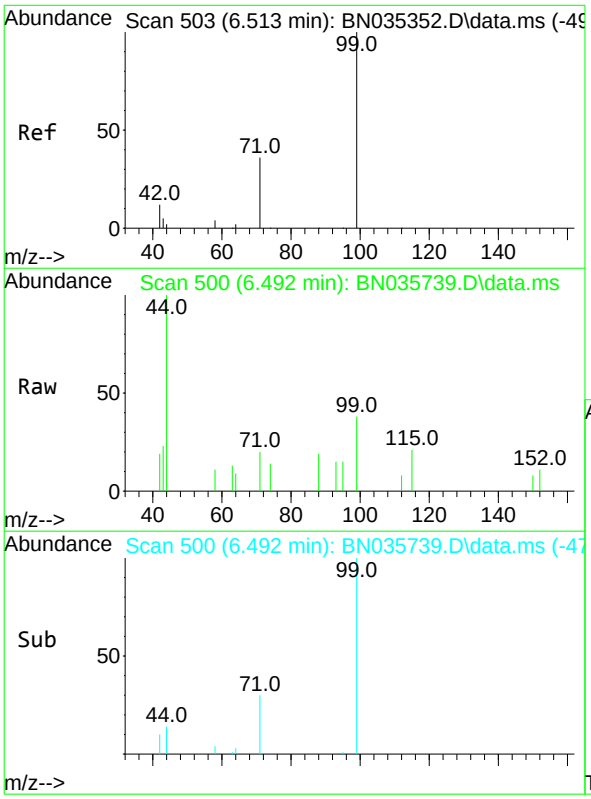
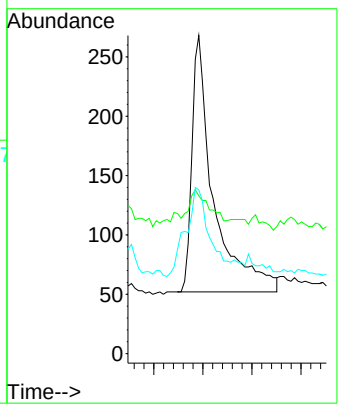
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

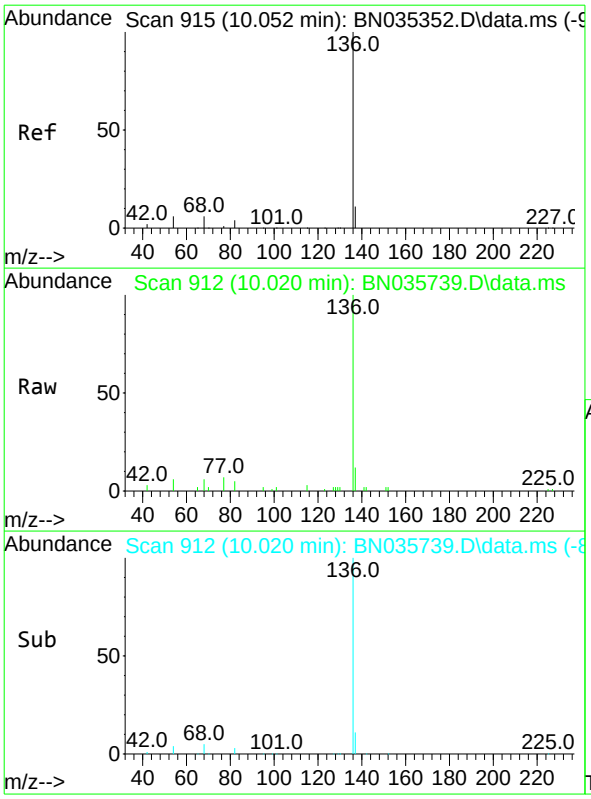


#5
Phenol-d6
Concen: 0.064 ng
RT: 6.492 min Scan# 500
Delta R.T. 0.000 min
Lab File: BN035739.D
Acq: 20 Dec 2024 13:29

Tgt Ion: 99 Resp: 660

Ion	Ratio	Lower	Upper
99	100		
42	10.6	11.4	17.2#
71	38.8	29.3	43.9

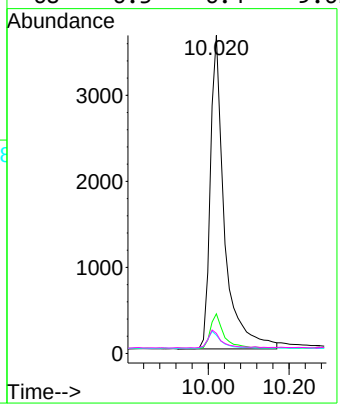




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.020 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN035739.D
Acq: 20 Dec 2024 13:29

Tgt Ion:136 Resp: 8881

Ion	Ratio	Lower	Upper
136	100		
137	12.5	10.2	15.2
54	5.8	6.1	9.1#
68	6.3	6.4	9.6#



Instrument :
BNA_N
ClientSampleId :
RE120D2-20241210

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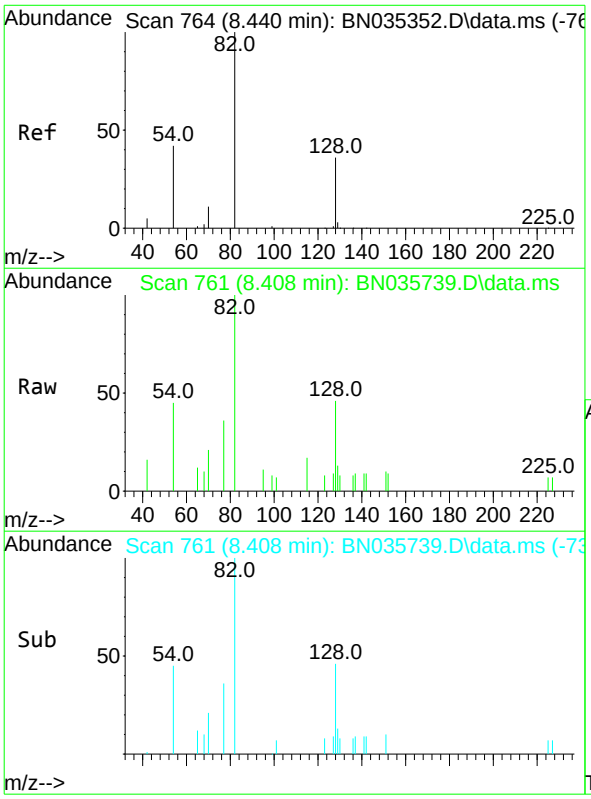
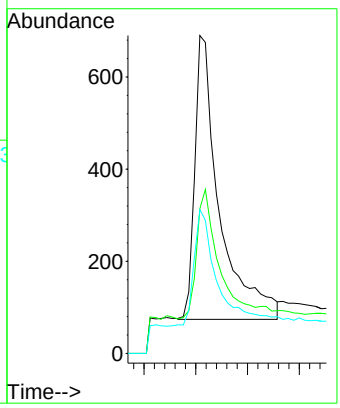
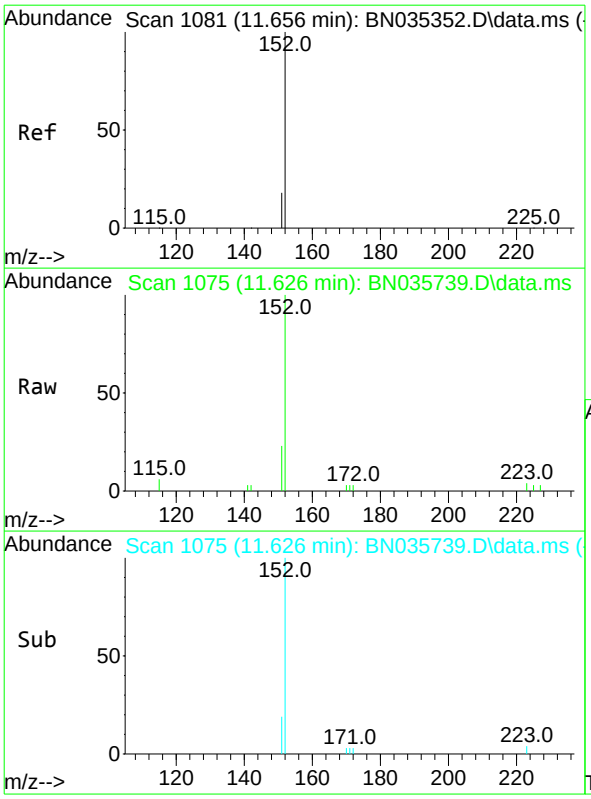


#8
Nitrobenzene-d5
Concen: 0.376 ng m
RT: 8.408 min Scan# 761
Delta R.T. 0.000 min
Lab File: BN035739.D
Acq: 20 Dec 2024 13:29

Tgt Ion: 82 Resp: 2040

Ion	Ratio	Lower	Upper
82	100		
128	45.5	33.4	50.0
54	45.2	36.7	55.1

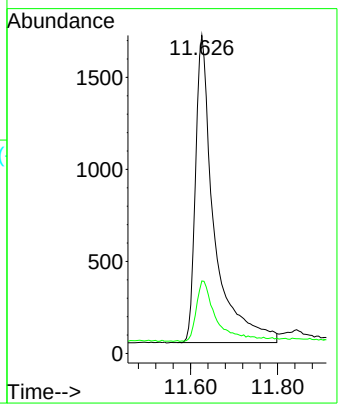




#11
2-Methylnaphthalene-d10
Concen: 0.358 ng
RT: 11.626 min Scan# 10
Delta R.T. 0.005 min
Lab File: BN035739.D
Acq: 20 Dec 2024 13:29

Tgt Ion:152 Resp: 4976

Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.6	25.0



Instrument :
BNA_N
ClientSampleId :
RE120D2-20241210

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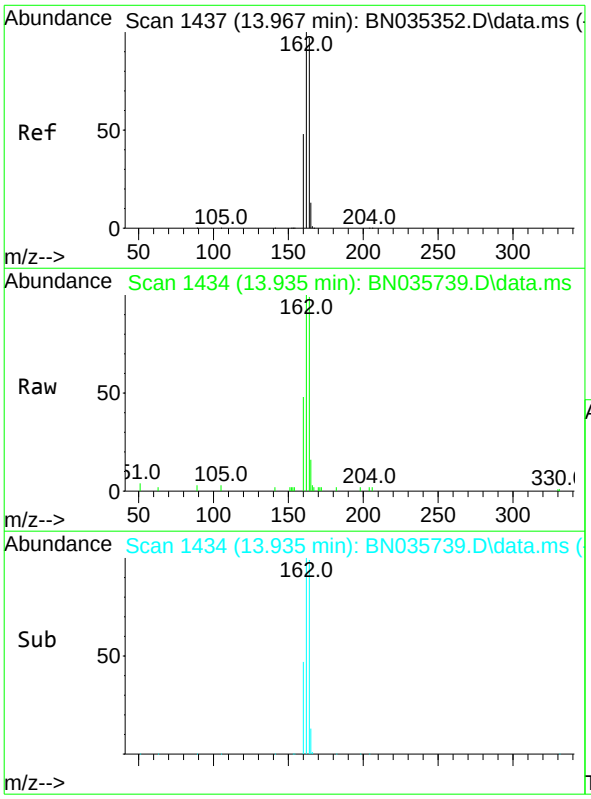
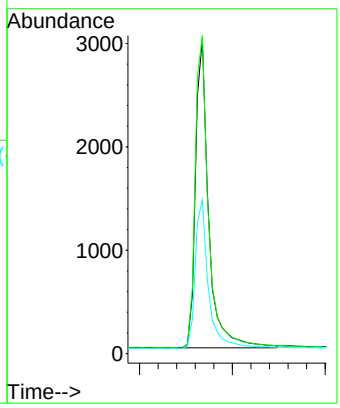
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

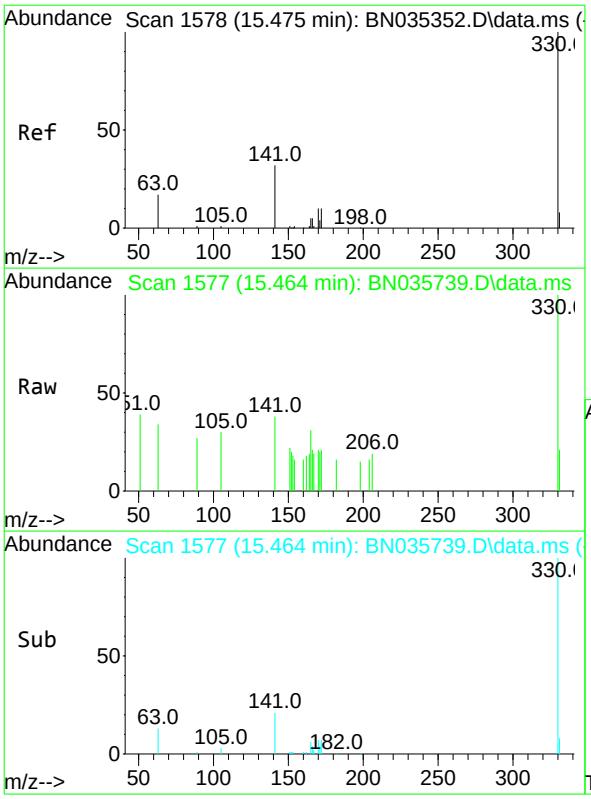


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.935 min Scan# 1434
Delta R.T. 0.000 min
Lab File: BN035739.D
Acq: 20 Dec 2024 13:29

Tgt Ion:164 Resp: 5884

Ion	Ratio	Lower	Upper
164	100		
162	101.1	82.2	123.2
160	48.8	40.1	60.1

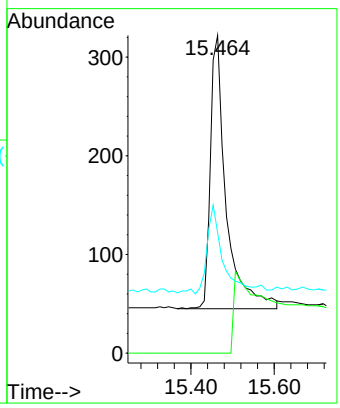




#14
2,4,6-Tribromophenol
Concen: 0.181 ng
RT: 15.464 min Scan# 15
Delta R.T. 0.011 min
Lab File: BN035739.D
Acq: 20 Dec 2024 13:29

Tgt Ion:330 Resp: 758

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	33.1	26.6	40.0



Instrument :
BNA_N
ClientSampleId :
RE120D2-20241210

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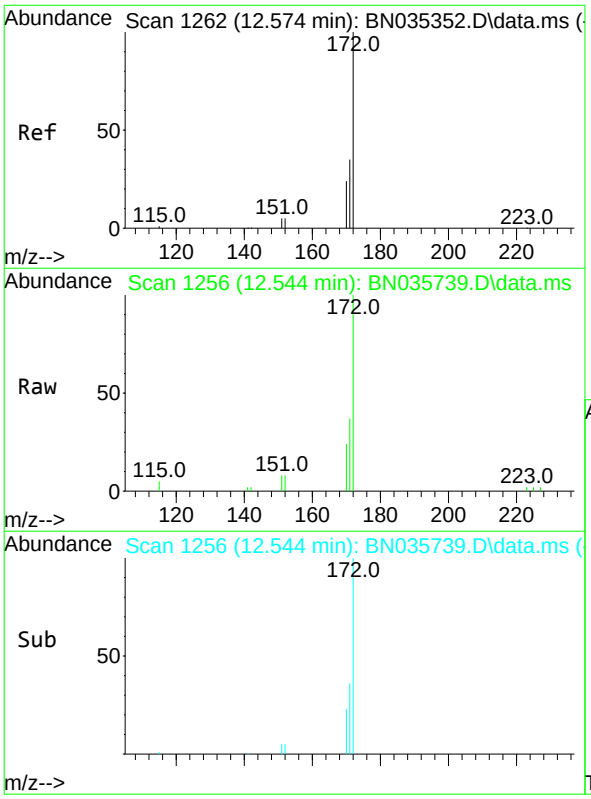
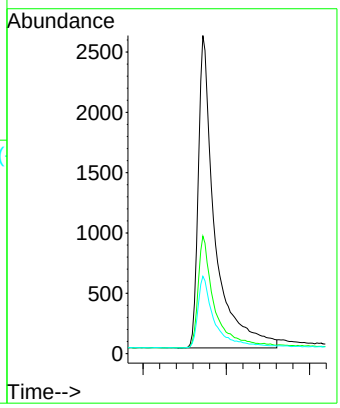
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

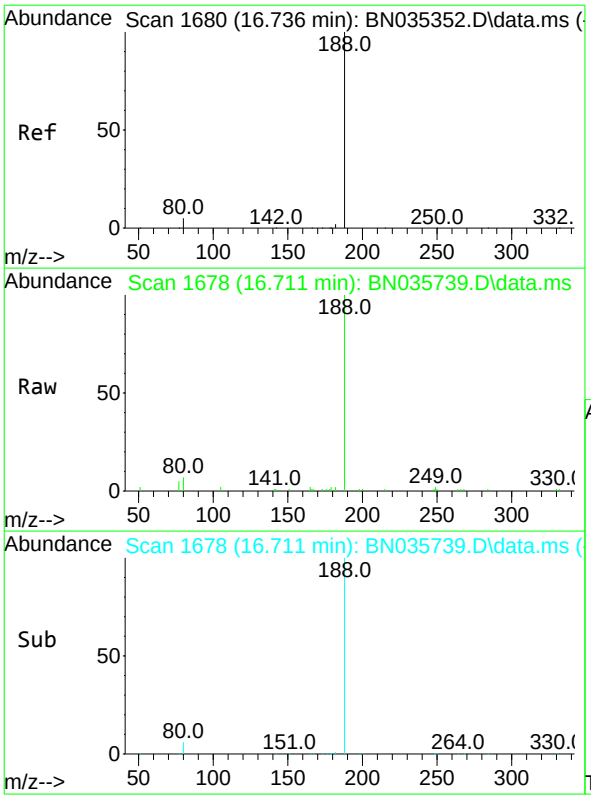


#15
2-Fluorobiphenyl
Concen: 0.322 ng
RT: 12.544 min Scan# 1256
Delta R.T. 0.000 min
Lab File: BN035739.D
Acq: 20 Dec 2024 13:29

Tgt Ion:172 Resp: 7160

Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.0	43.4
170	24.3	19.8	29.8

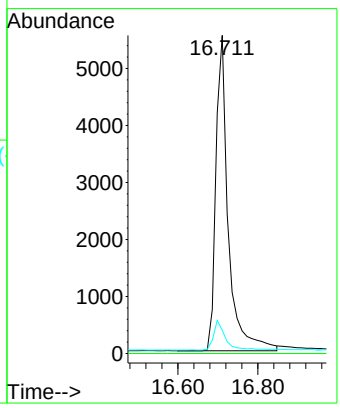




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.711 min Scan# 16
Delta R.T. 0.012 min
Lab File: BN035739.D
Acq: 20 Dec 2024 13:29

Tgt Ion:188 Resp: 11860

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.3	4.6	6.8#



Instrument :
BNA_N
ClientSampleId :
RE120D2-20241210

Manual Integrations
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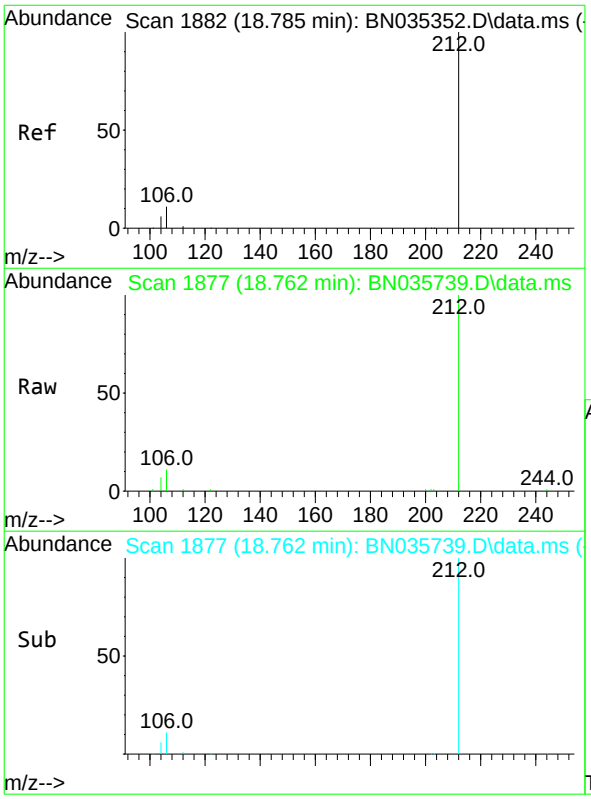
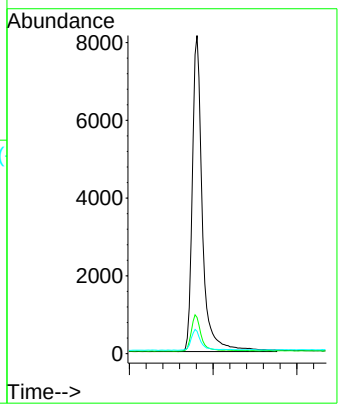
Supervised By :mohammad ahmed 12/24/2024

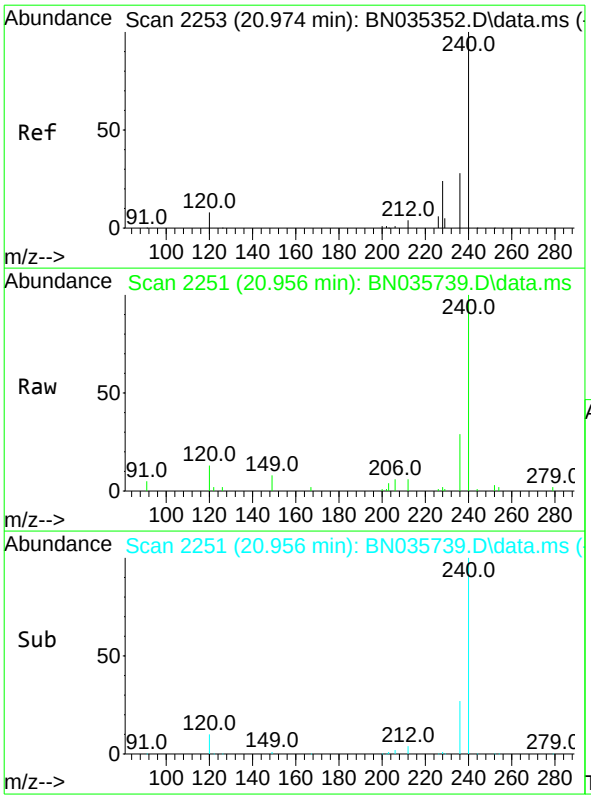


#27
Fluoranthene-d10
Concen: 0.406 ng
RT: 18.762 min Scan# 1877
Delta R.T. 0.000 min
Lab File: BN035739.D
Acq: 20 Dec 2024 13:29

Tgt Ion:212 Resp: 13658

Ion	Ratio	Lower	Upper
212	100		
106	10.9	9.2	13.8
104	6.2	5.3	7.9

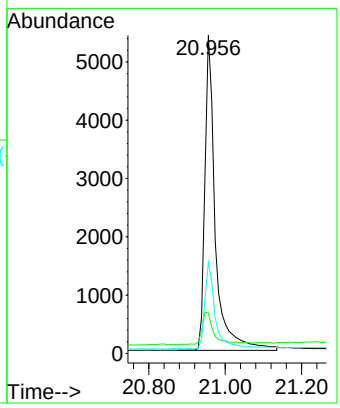




#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.956 min Scan# 22
Delta R.T. 0.000 min
Lab File: BN035739.D
Acq: 20 Dec 2024 13:29

Tgt Ion:240 Resp: 10328

Ion	Ratio	Lower	Upper
240	100		
120	12.7	7.9	11.9#
236	28.6	22.9	34.3



Instrument :
BNA_N
ClientSampleId :
RE120D2-20241210

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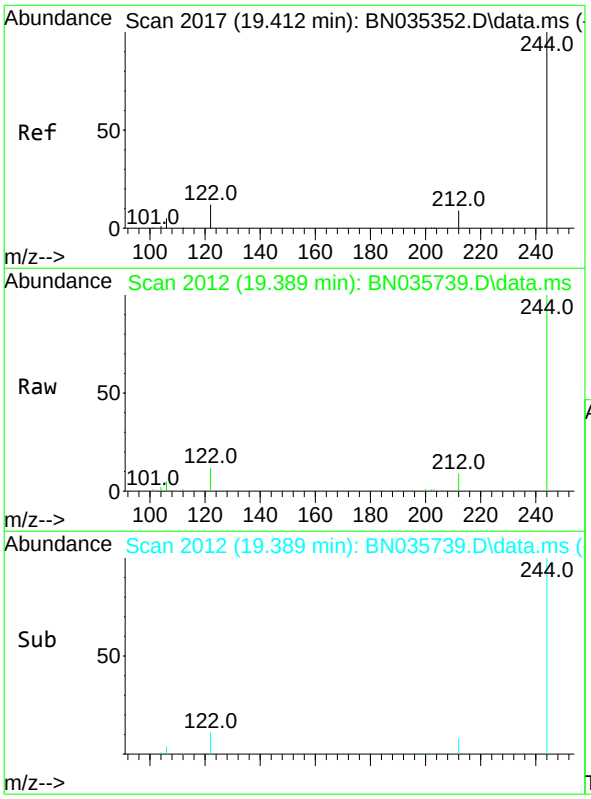
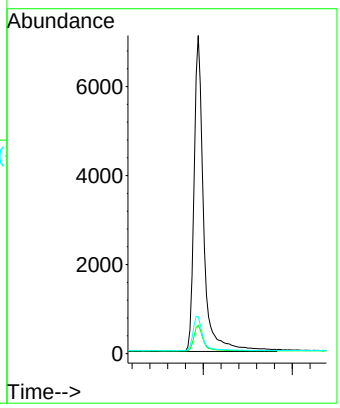
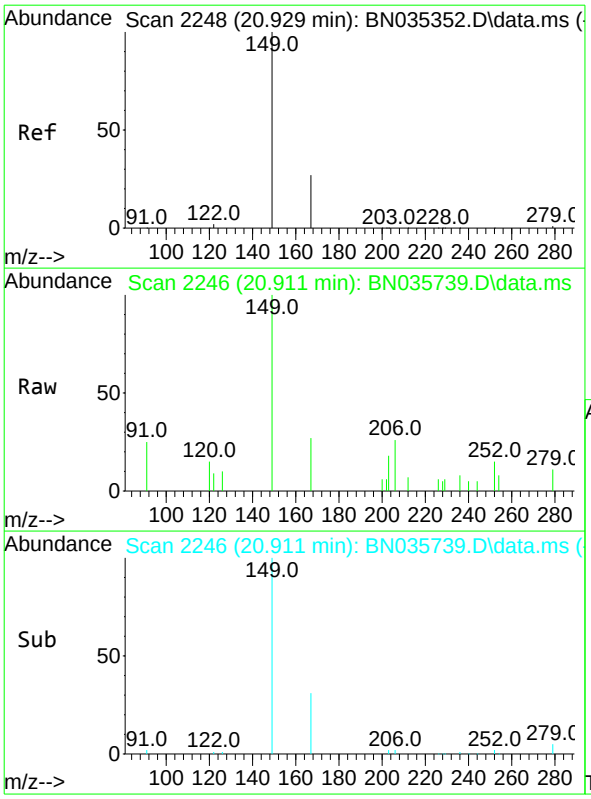


#31
Terphenyl-d14
Concen: 0.526 ng
RT: 19.389 min Scan# 2012
Delta R.T. 0.000 min
Lab File: BN035739.D
Acq: 20 Dec 2024 13:29

Tgt Ion:244 Resp: 10711

Ion	Ratio	Lower	Upper
244	100		
212	8.9	8.1	12.1
122	11.6	10.3	15.5





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.063 ng
RT: 20.911 min Scan# 22
Delta R.T. 0.000 min
Lab File: BN035739.D
Acq: 20 Dec 2024 13:29

Tgt Ion:149 Resp: 901

Ion	Ratio	Lower	Upper
149	100		
167	31.5	22.2	33.4
279	6.8	2.7	4.1#

Instrument :
BNA_N
ClientSampleId :
RE120D2-20241210

Manual Integrations
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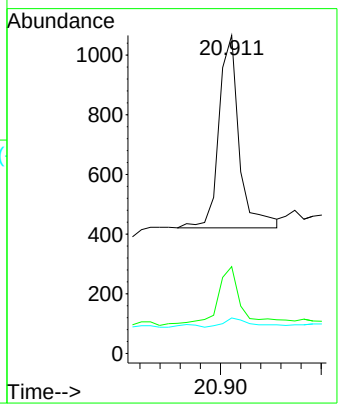
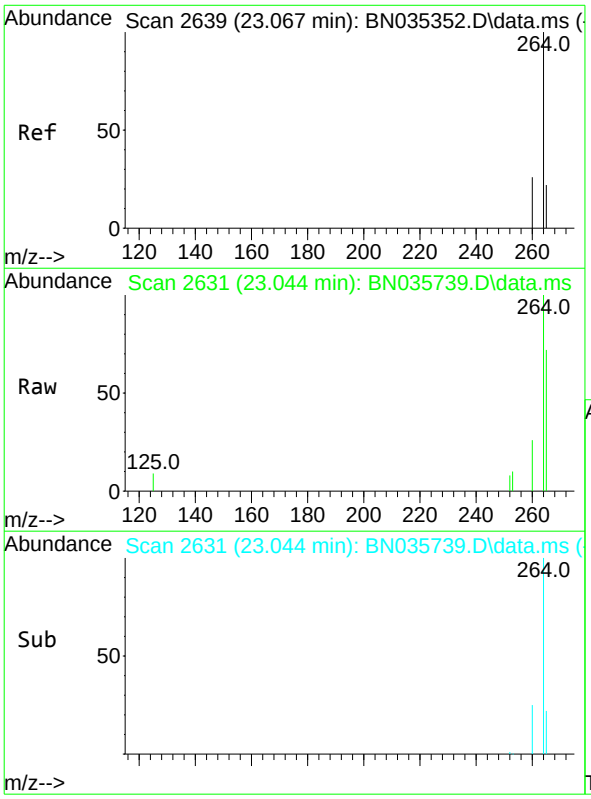
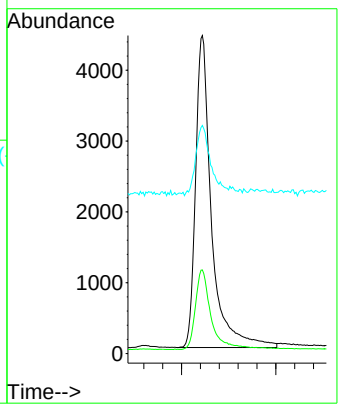




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.044 min Scan# 2631
Delta R.T. 0.003 min
Lab File: BN035739.D
Acq: 20 Dec 2024 13:29

Tgt Ion:264 Resp: 10315

Ion	Ratio	Lower	Upper
264	100		
260	26.3	21.4	32.2
265	71.7	40.2	60.4#



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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/10/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/11/24
Client Sample ID:	RE120D3-20241210	SDG No.:	P5261
Lab Sample ID:	P5261-19	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035740.D	1	12/12/24 10:30	12/20/24 14:05	PB165596

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	7.80	E	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.38		30 - 150		94%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.41		30 - 150		102%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.41		55 - 111		103%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.35		53 - 106		86%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.52		58 - 132		130%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3320	7.272				
1146-65-2	Naphthalene-d8	8850	10.02				
15067-26-2	Acenaphthene-d10	5880	13.935				
1517-22-2	Phenanthrene-d10	12000	16.711				
1719-03-5	Chrysene-d12	10500	20.956				
1520-96-3	Perylene-d12	10600	23.041				

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_N\Data\BN121924\
Data File : BN035740.D
Acq On : 20 Dec 2024 14:05
Operator : RC/JU
Sample : P5261-19
Misc :
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Dec 20 17:12:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
RE120D3-20241210

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.272	152	3324	0.400	ng	0.00
7) Naphthalene-d8	10.020	136	8846	0.400	ng	# 0.00
13) Acenaphthene-d10	13.935	164	5875	0.400	ng	0.00
19) Phenanthrene-d10	16.711	188	12041	0.400	ng	# 0.01
29) Chrysene-d12	20.956	240	10498	0.400	ng	0.00
35) Perylene-d12	23.041	264	10600	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.939	112	1125	0.135	ng	0.00
5) Phenol-d6	6.484	99	944	0.094	ng	0.00
8) Nitrobenzene-d5	8.408	82	2227m	0.412	ng	0.00
11) 2-Methylnaphthalene-d10	11.621	152	5239	0.378	ng	0.00
14) 2,4,6-Tribromophenol	15.453	330	809	0.194	ng	0.00
15) 2-Fluorobiphenyl	12.544	172	7690	0.346	ng	0.00
27) Fluoranthene-d10	18.761	212	13888	0.407	ng	0.00
31) Terphenyl-d14	19.388	244	10774	0.520	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.982	88	24293	7.645	ng	99
34) Bis(2-ethylhexyl)phtha...	20.902	149	1150	0.079	ng	# 99

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

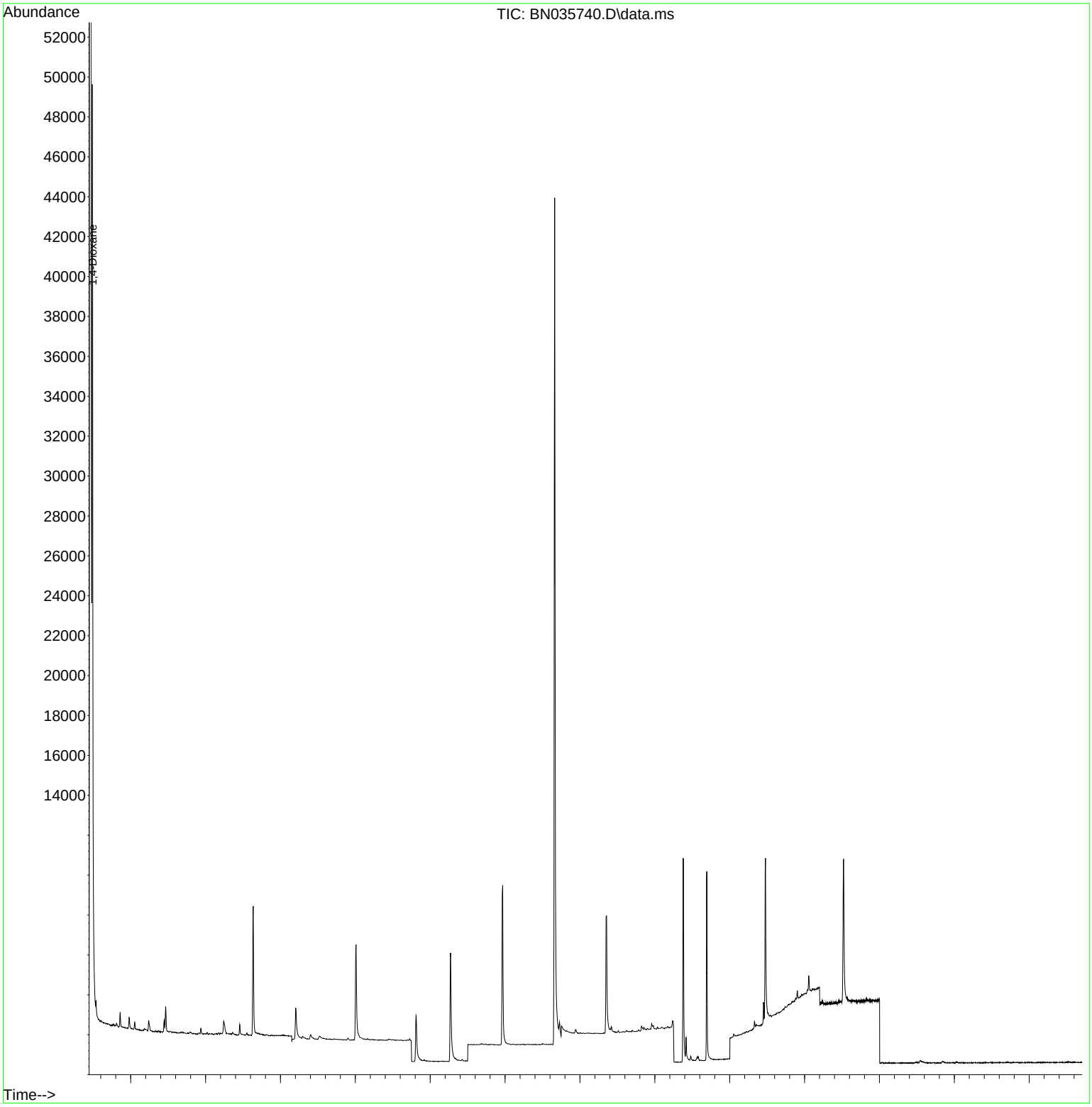
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035740.D
Acq On : 20 Dec 2024 14:05
Operator : RC/JU
Sample : P5261-19
Misc :
ALS Vial : 31 Sample Multiplier: 1

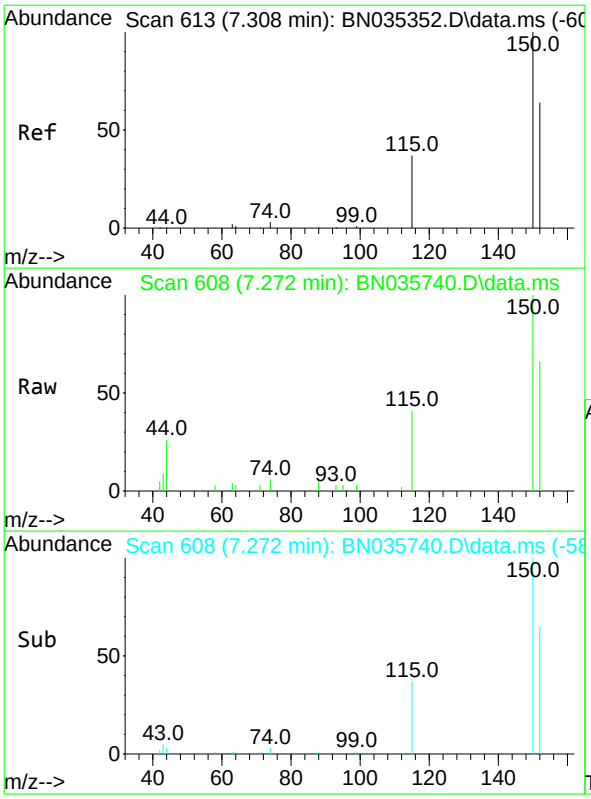
Quant Time: Dec 20 17:12:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
RE120D3-20241210

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

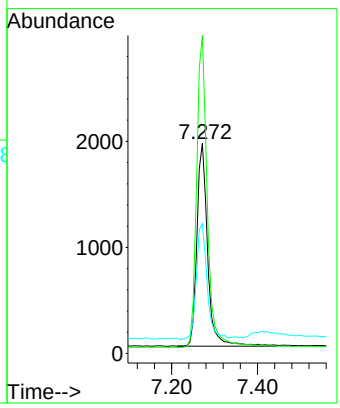




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.272 min Scan# 60
Delta R.T. -0.000 min
Lab File: BN035740.D
Acq: 20 Dec 2024 14:05

Tgt Ion:152 Resp: 3324

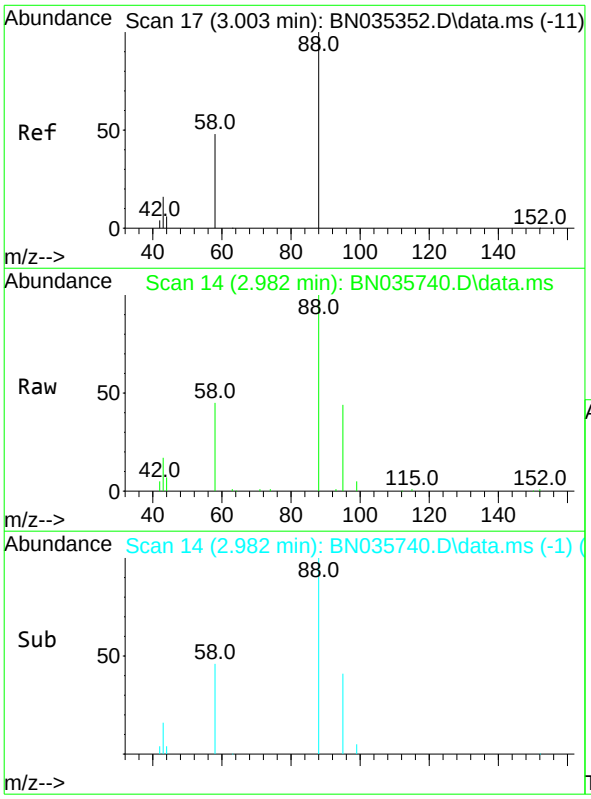
Ion	Ratio	Lower	Upper
152	100		
150	151.4	124.0	186.0
115	61.8	49.6	74.4



Instrument :
BNA_N
ClientSampleId :
RE120D3-20241210

Manual Integrations APPROVED

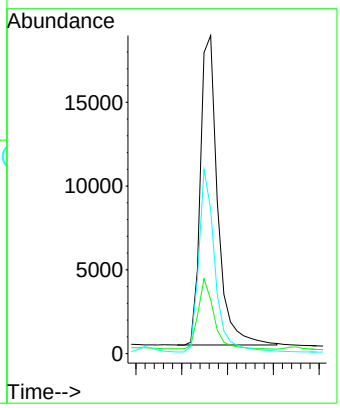
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

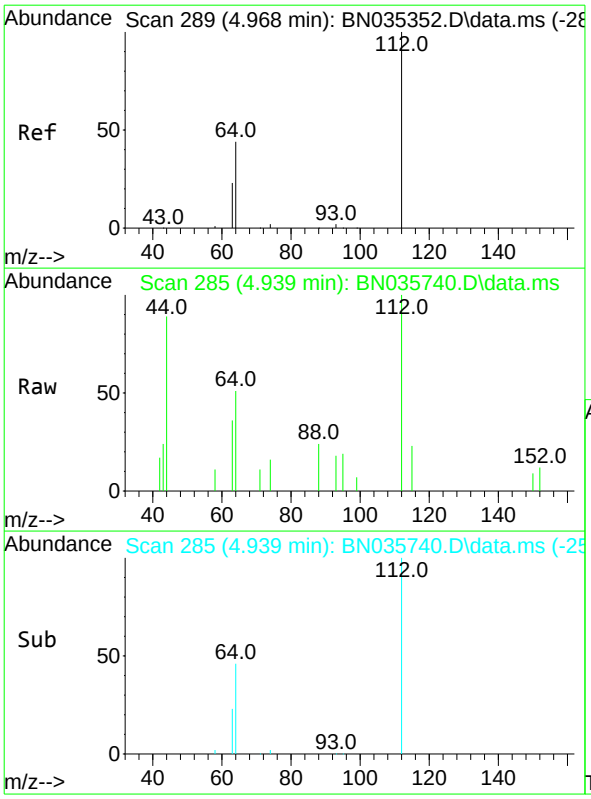


#2
1,4-Dioxane
Concen: 7.645 ng
RT: 2.982 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035740.D
Acq: 20 Dec 2024 14:05

Tgt Ion: 88 Resp: 24293

Ion	Ratio	Lower	Upper
88	100		
43	20.6	17.2	25.8
58	54.8	44.5	66.7





#4
2-Fluorophenol
Concen: 0.135 ng
RT: 4.939 min Scan# 28
Delta R.T. -0.000 min
Lab File: BN035740.D
Acq: 20 Dec 2024 14:05

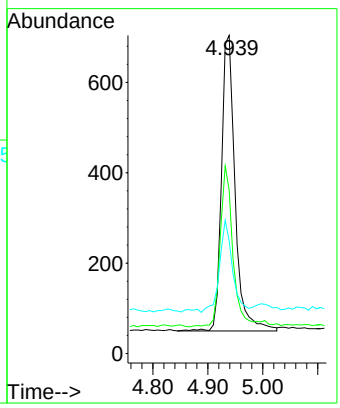
Tgt Ion:112 Resp: 1125

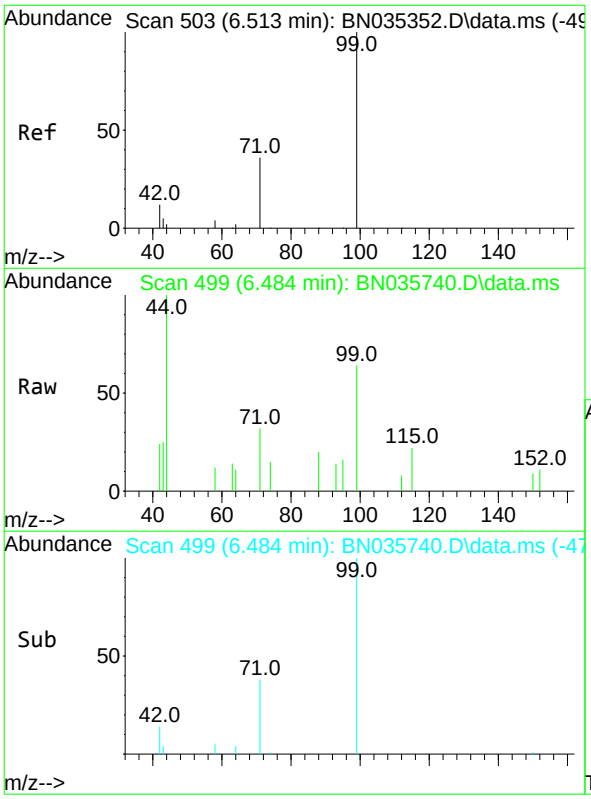
Ion	Ratio	Lower	Upper
112	100		
64	52.4	39.8	59.8
63	29.5	21.0	31.6

Instrument :
BNA_N
ClientSampleId :
RE120D3-20241210

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

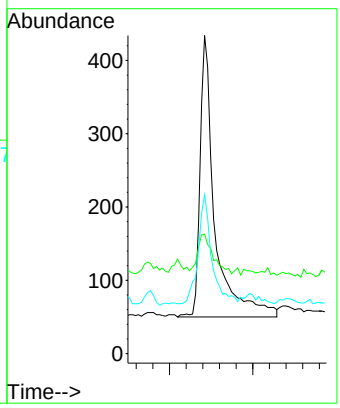


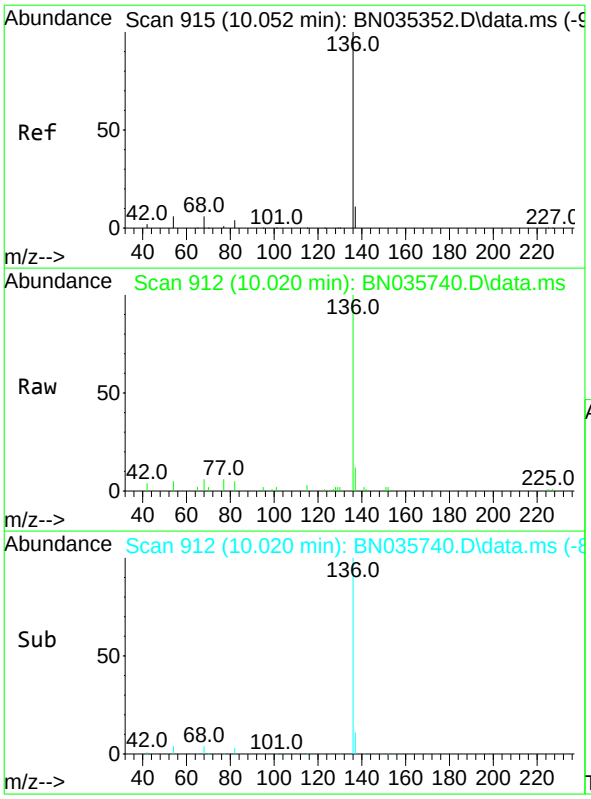


#5
Phenol-d6
Concen: 0.094 ng
RT: 6.484 min Scan# 499
Delta R.T. -0.007 min
Lab File: BN035740.D
Acq: 20 Dec 2024 14:05

Tgt Ion: 99 Resp: 944

Ion	Ratio	Lower	Upper
99	100		
42	14.9	11.4	17.2
71	36.5	29.3	43.9

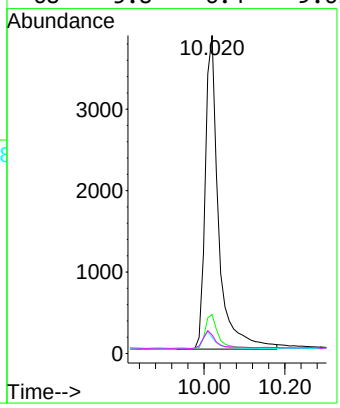




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.020 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN035740.D
Acq: 20 Dec 2024 14:05

Tgt Ion:136 Resp: 8846

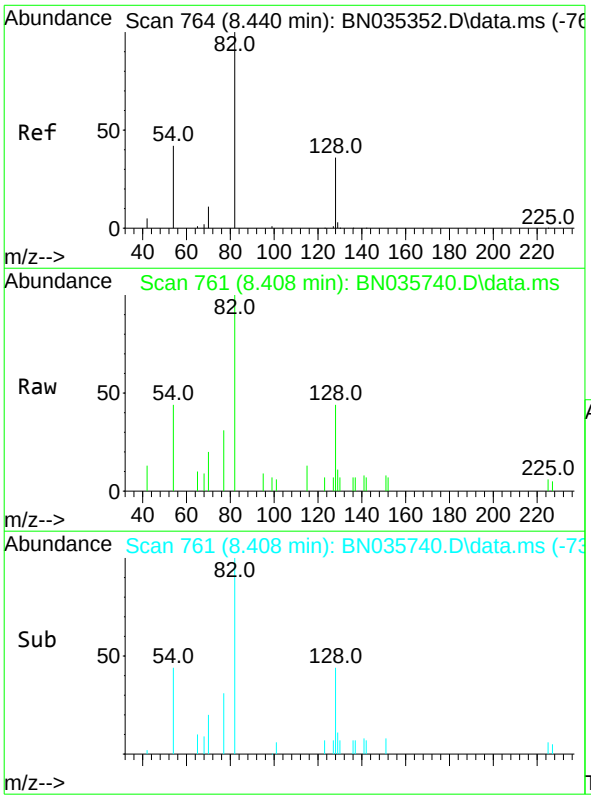
Ion	Ratio	Lower	Upper
136	100		
137	12.3	10.2	15.2
54	5.1	6.1	9.1#
68	5.8	6.4	9.6#



Instrument :
BNA_N
ClientSampleId :
RE120D3-20241210

Manual Integrations
APPROVED

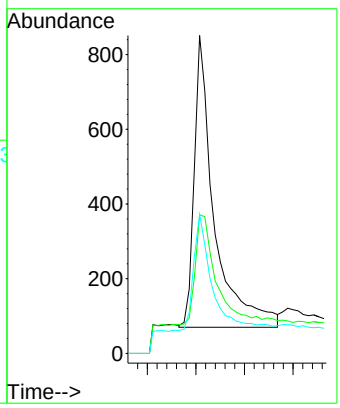
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

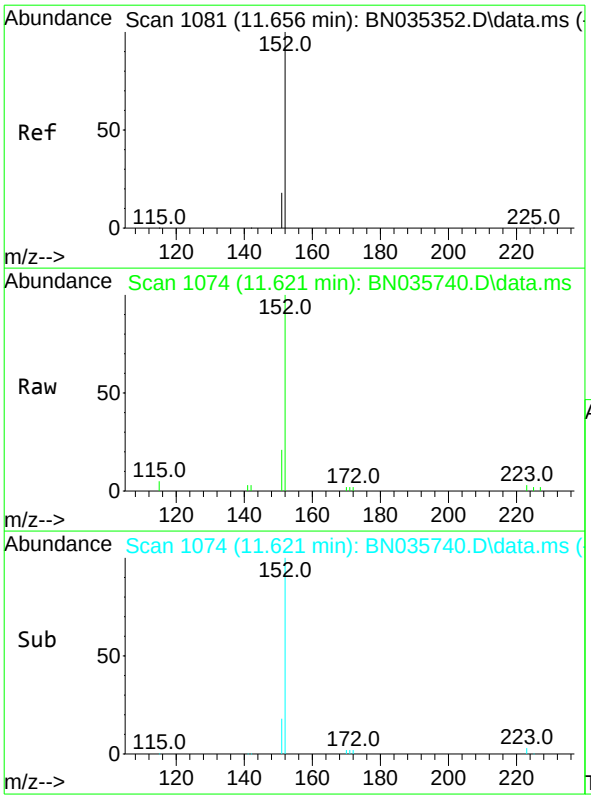


#8
Nitrobenzene-d5
Concen: 0.412 ng m
RT: 8.408 min Scan# 761
Delta R.T. -0.000 min
Lab File: BN035740.D
Acq: 20 Dec 2024 14:05

Tgt Ion: 82 Resp: 2227

Ion	Ratio	Lower	Upper
82	100		
128	43.6	33.4	50.0
54	43.8	36.7	55.1

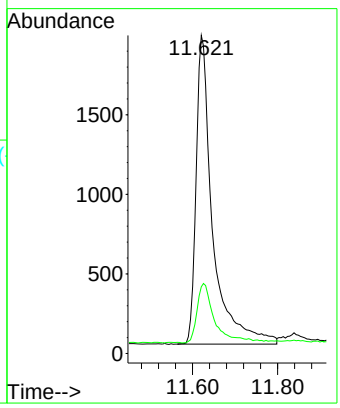




#11
2-Methylnaphthalene-d10
Concen: 0.378 ng
RT: 11.621 min Scan# 10
Delta R.T. -0.000 min
Lab File: BN035740.D
Acq: 20 Dec 2024 14:05

Tgt Ion:152 Resp: 5239

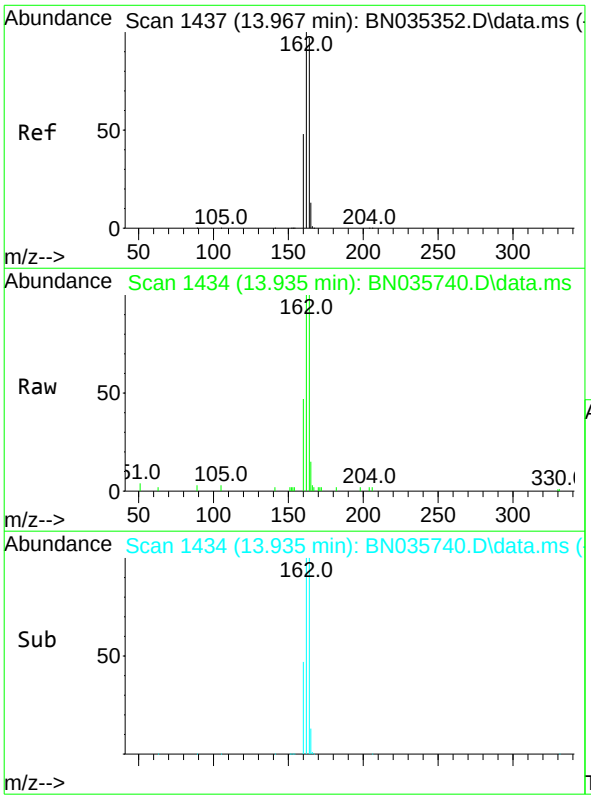
Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.6	25.0



Instrument :
BNA_N
ClientSampleId :
RE120D3-20241210

Manual Integrations
APPROVED

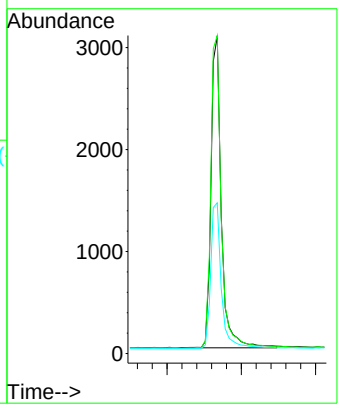
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

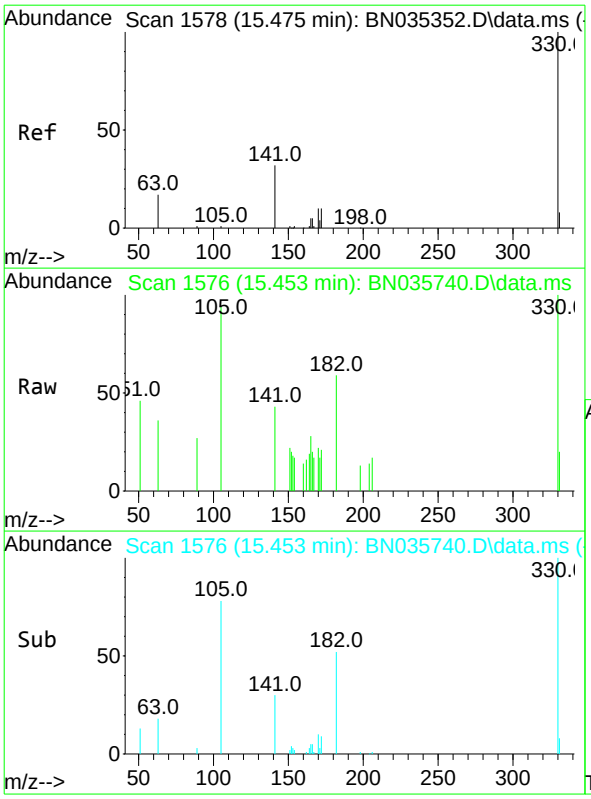


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.935 min Scan# 1434
Delta R.T. -0.000 min
Lab File: BN035740.D
Acq: 20 Dec 2024 14:05

Tgt Ion:164 Resp: 5875

Ion	Ratio	Lower	Upper
164	100		
162	100.2	82.2	123.2
160	47.5	40.1	60.1

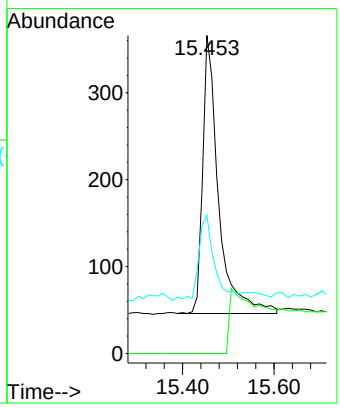




#14
2,4,6-Tribromophenol
Concen: 0.194 ng
RT: 15.453 min Scan# 15
Delta R.T. -0.000 min
Lab File: BN035740.D
Acq: 20 Dec 2024 14:05

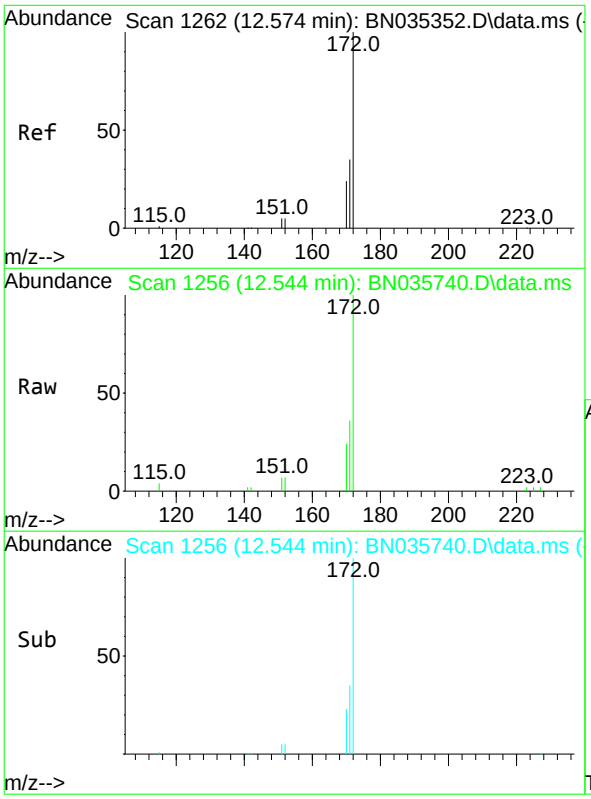
Tgt Ion:330 Resp: 809

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	30.3	26.6	40.0



Instrument :
BNA_N
ClientSampleId :
RE120D3-20241210

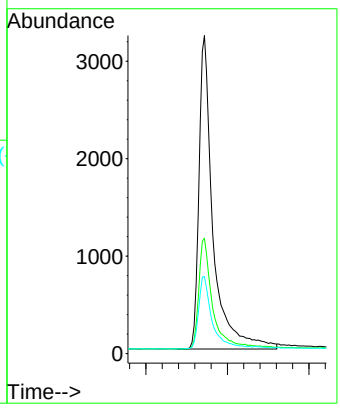
Manual Integrations
APPROVED
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

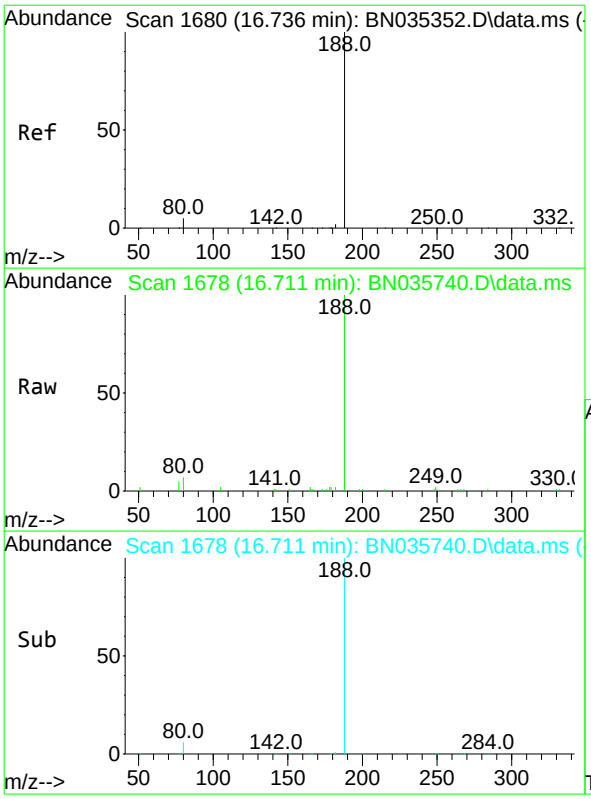


#15
2-Fluorobiphenyl
Concen: 0.346 ng
RT: 12.544 min Scan# 1256
Delta R.T. -0.000 min
Lab File: BN035740.D
Acq: 20 Dec 2024 14:05

Tgt Ion:172 Resp: 7690

Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.0	43.4
170	24.2	19.8	29.8

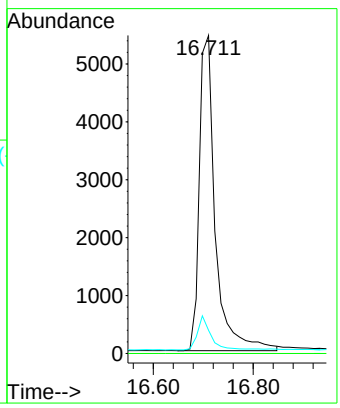




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.711 min Scan# 16
Delta R.T. 0.012 min
Lab File: BN035740.D
Acq: 20 Dec 2024 14:05

Tgt Ion:188 Resp: 12041

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.3	4.6	6.8#



Instrument :
BNA_N
ClientSampleId :
RE120D3-20241210

Manual Integrations
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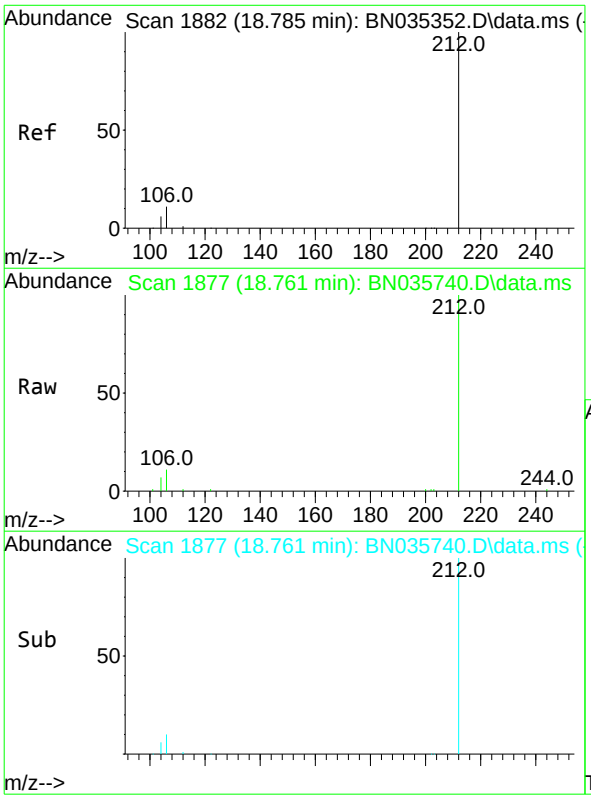
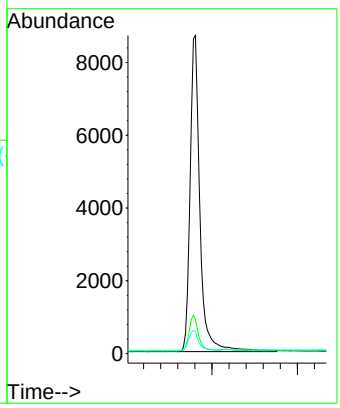
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

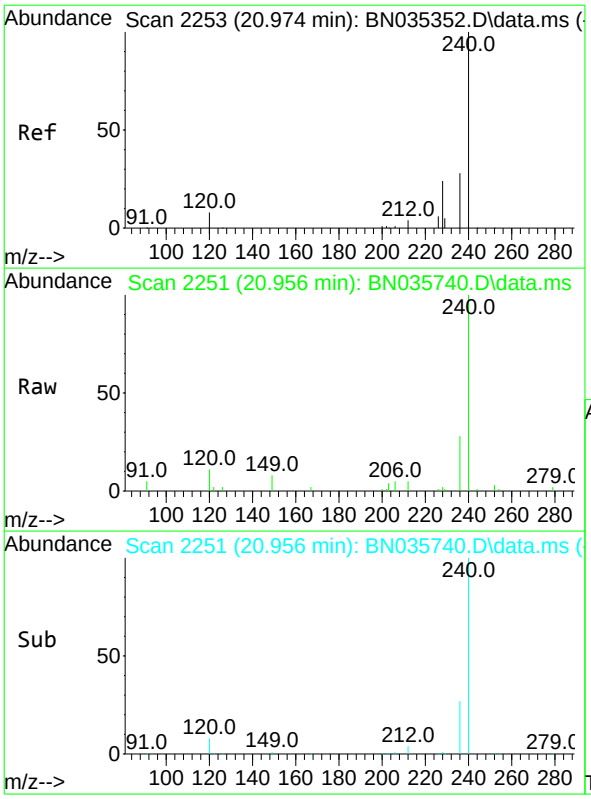


#27
Fluoranthene-d10
Concen: 0.407 ng
RT: 18.761 min Scan# 1877
Delta R.T. -0.000 min
Lab File: BN035740.D
Acq: 20 Dec 2024 14:05

Tgt Ion:212 Resp: 13888

Ion	Ratio	Lower	Upper
212	100		
106	10.8	9.2	13.8
104	6.2	5.3	7.9

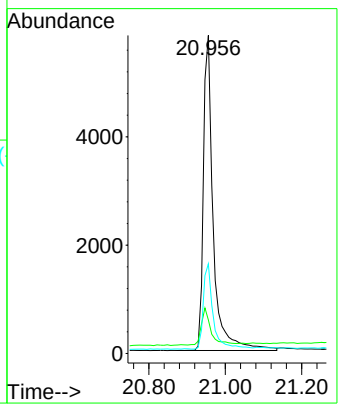




#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.956 min Scan# 22
Delta R.T. -0.000 min
Lab File: BN035740.D
Acq: 20 Dec 2024 14:05

Tgt Ion:240 Resp: 10498

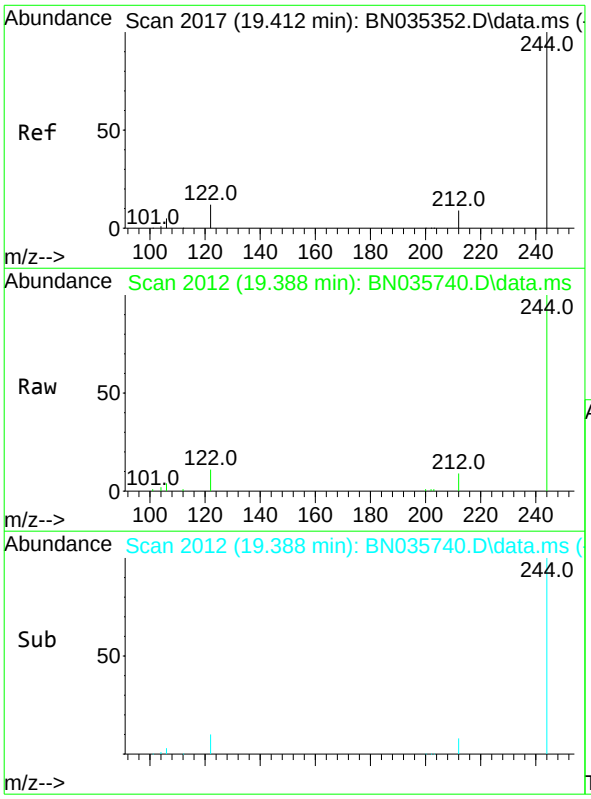
Ion	Ratio	Lower	Upper
240	100		
120	10.6	7.9	11.9
236	28.2	22.9	34.3



Instrument :
BNA_N
ClientSampleId :
RE120D3-20241210

Manual Integrations APPROVED

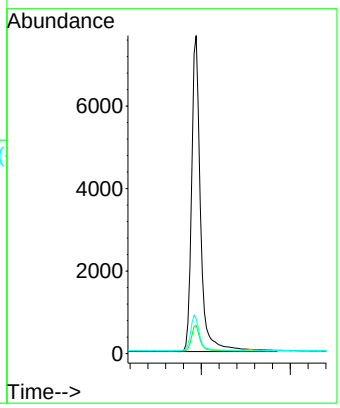
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

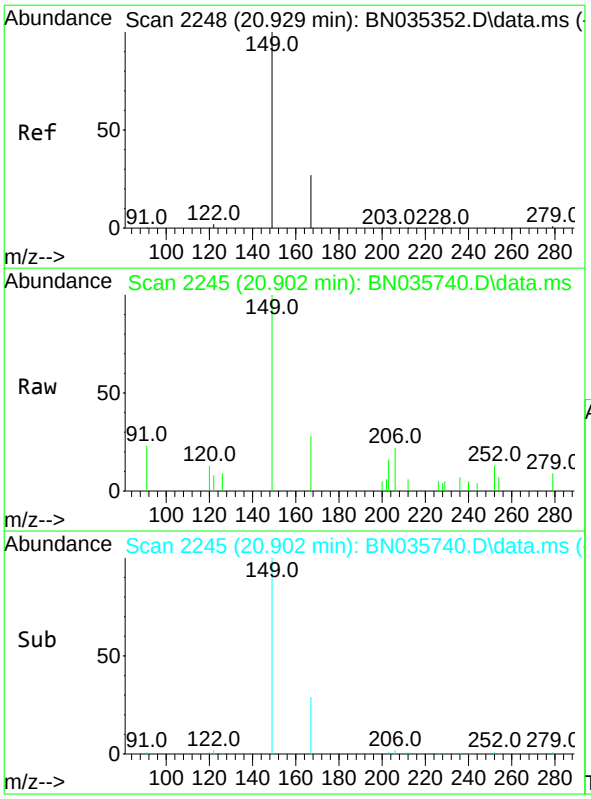


#31
Terphenyl-d14
Concen: 0.520 ng
RT: 19.388 min Scan# 2012
Delta R.T. -0.000 min
Lab File: BN035740.D
Acq: 20 Dec 2024 14:05

Tgt Ion:244 Resp: 10774

Ion	Ratio	Lower	Upper
244	100		
212	8.8	8.1	12.1
122	11.0	10.3	15.5





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.079 ng
RT: 20.902 min Scan# 22
Delta R.T. -0.009 min
Lab File: BN035740.D
Acq: 20 Dec 2024 14:05

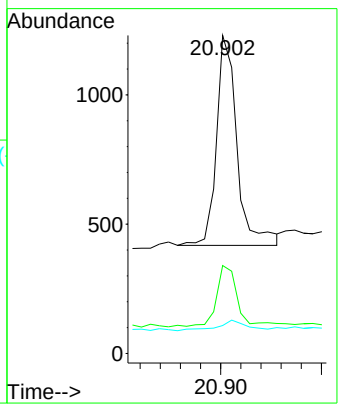
Tgt Ion:149 Resp: 1150

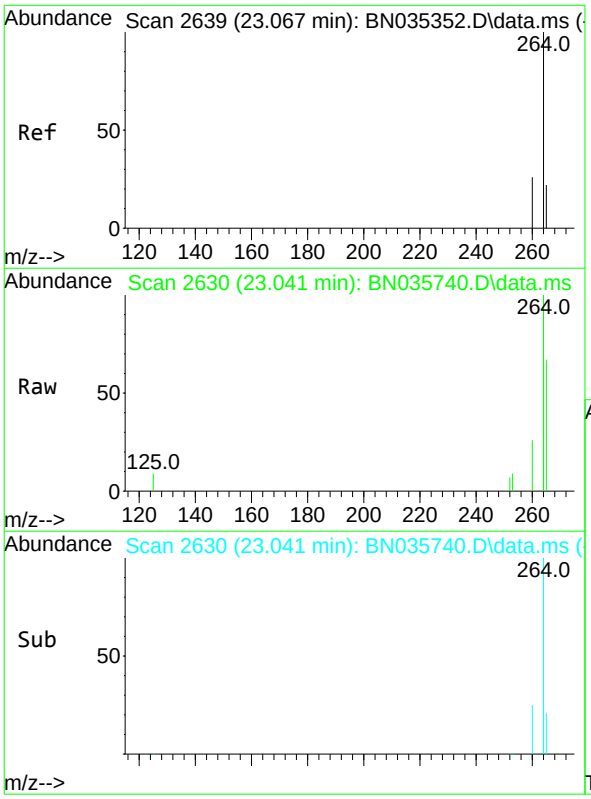
Ion	Ratio	Lower	Upper
149	100		
167	27.7	22.2	33.4
279	7.0	2.7	4.1#

Instrument :
BNA_N
ClientSampleId :
RE120D3-20241210

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

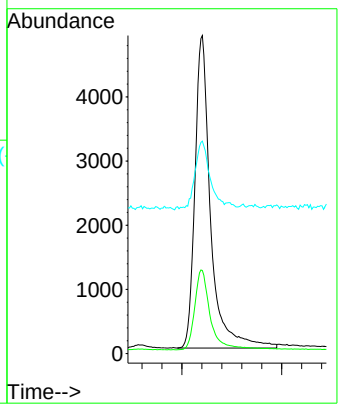




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.041 min Scan# 2630
Delta R.T. -0.000 min
Lab File: BN035740.D
Acq: 20 Dec 2024 14:05

Tgt Ion:264 Resp: 10600

Ion	Ratio	Lower	Upper
264	100		
260	26.1	21.4	32.2
265	66.8	40.2	60.4#



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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/10/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/11/24
Client Sample ID:	RE120D3-20241210DL	SDG No.:	P5261
Lab Sample ID:	P5261-19DL	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035860.D	5	12/12/24 10:30	12/26/24 19:05	PB165596

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	11.4	D	0.35	1.00	1.00	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.45		30 - 150		113%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.50		30 - 150		124%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.57	*	55 - 111		142%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.45	*	53 - 106		113%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.70	*	58 - 132		175%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2550	7.257				
1146-65-2	Naphthalene-d8	5620	10.009				
15067-26-2	Acenaphthene-d10	3830	13.925				
1517-22-2	Phenanthrene-d10	8370	16.698				
1719-03-5	Chrysene-d12	5880	20.947				
1520-96-3	Perylene-d12	5420	23.029				

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_N\Data\BN122624\
Data File : BN035860.D
Acq On : 26 Dec 2024 19:05
Operator : RC/JU
Sample : P5261-19DL 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE120D3-20241210DL

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

Quant Time: Dec 27 00:42:29 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.257	152	2551	0.400	ng	-0.01
7) Naphthalene-d8	10.009	136	5621	0.400	ng	-0.01
13) Acenaphthene-d10	13.925	164	3825	0.400	ng	-0.01
19) Phenanthrene-d10	16.698	188	8370	0.400	ng	# 0.00
29) Chrysene-d12	20.947	240	5883	0.400	ng	# 0.00
35) Perylene-d12	23.029	264	5421	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	4.924	112	195	0.031	ng	-0.01
5) Phenol-d6	6.484	99	140	0.018	ng	0.00
8) Nitrobenzene-d5	8.429	82	393m	0.114	ng	0.02
11) 2-Methylnaphthalene-d10	11.641	152	788	0.090	ng	0.02
14) 2,4,6-Tribromophenol	15.453	330	141	0.052	ng	0.00
15) 2-Fluorobiphenyl	12.559	172	1296	0.090	ng	0.02
27) Fluoranthene-d10	18.757	212	2340	0.099	ng	0.00
31) Terphenyl-d14	19.379	244	1628	0.140	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.974	88	5467	2.242	ng	99
34) Bis(2-ethylhexyl)phtha...	20.893	149	277	0.034	ng	# 94

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122624\
Data File : BN035860.D
Acq On : 26 Dec 2024 19:05
Operator : RC/JU
Sample : P5261-19DL 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 27 00:42:29 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
RE120D3-20241210DL

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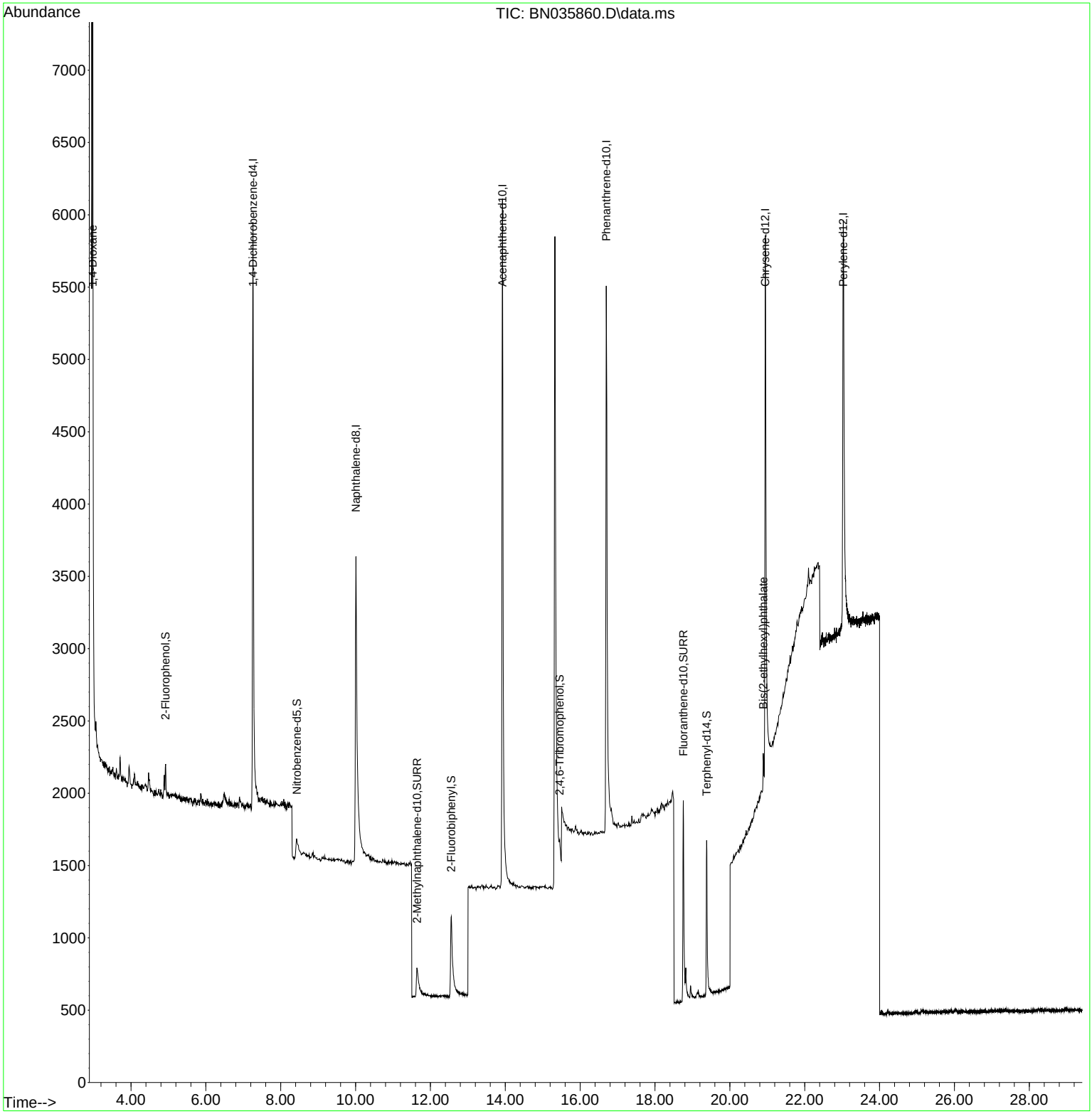
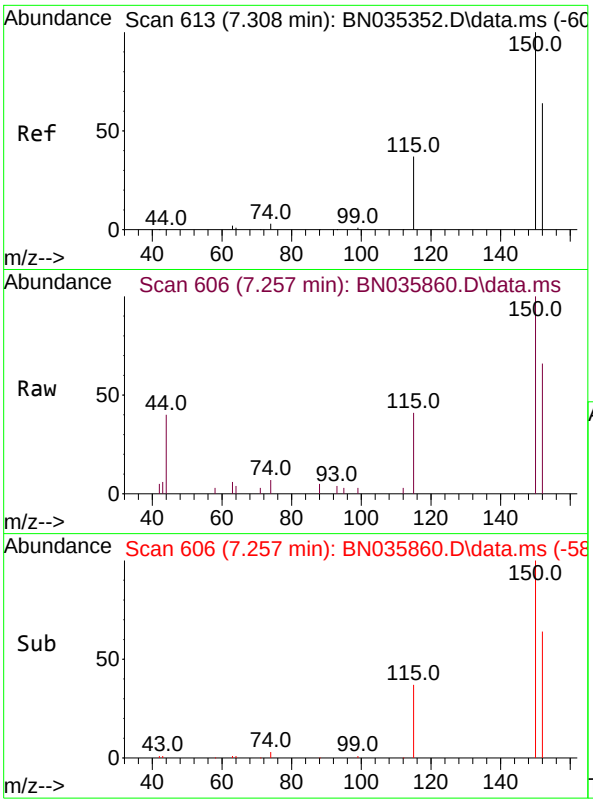
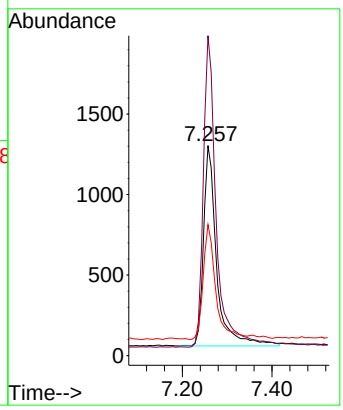




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.257 min Scan# 6
Delta R.T. -0.015 min
Lab File: BN035860.D
Acq: 26 Dec 2024 19:05

Tgt Ion:152 Resp: 255

Ion	Ratio	Lower	Upper
152	100		
150	152.4	124.0	186.0
115	62.3	49.6	74.4



Instrument :
BNA_N
ClientSampleId :
RE120D3-20241210DL

Manual Integrations
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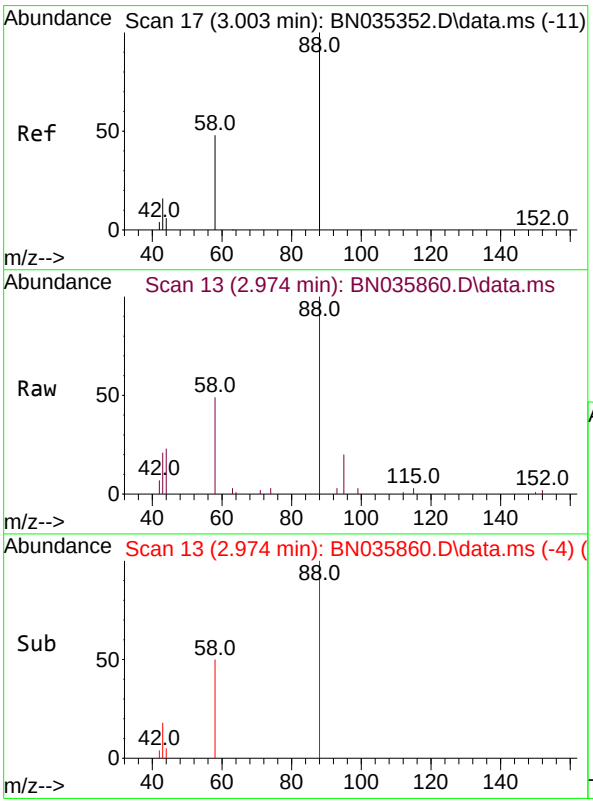
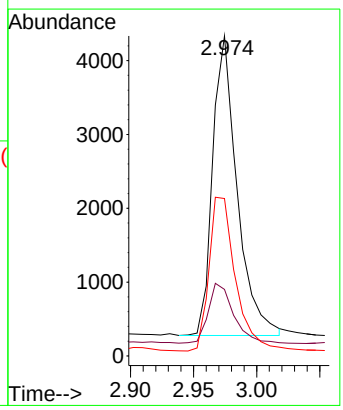
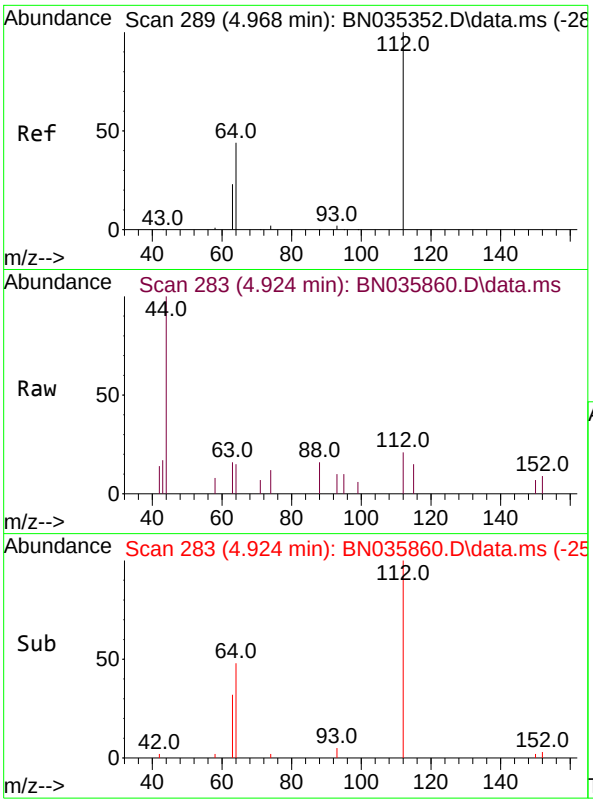


#2
1,4-Dioxane
Concen: 2.242 ng
RT: 2.974 min Scan# 13
Delta R.T. -0.008 min
Lab File: BN035860.D
Acq: 26 Dec 2024 19:05

Tgt Ion: 88 Resp: 5467

Ion	Ratio	Lower	Upper
88	100		
43	20.4	17.2	25.8
58	55.2	44.5	66.7





#4
2-Fluorophenol
Concen: 0.031 ng
RT: 4.924 min Scan# 2
Delta R.T. -0.014 min
Lab File: BN035860.D
Acq: 26 Dec 2024 19:05

Tgt Ion:112 Resp: 19

Ion	Ratio	Lower	Upper
112	100		
64	60.0	39.8	59.8#
63	30.8	21.0	31.6

Instrument :
BNA_N
ClientSampleId :
RE120D3-20241210DL

Manual Integrations
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Reviewed By :Yogesh Patel 12/27/2024
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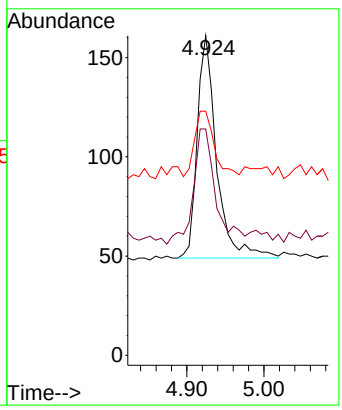
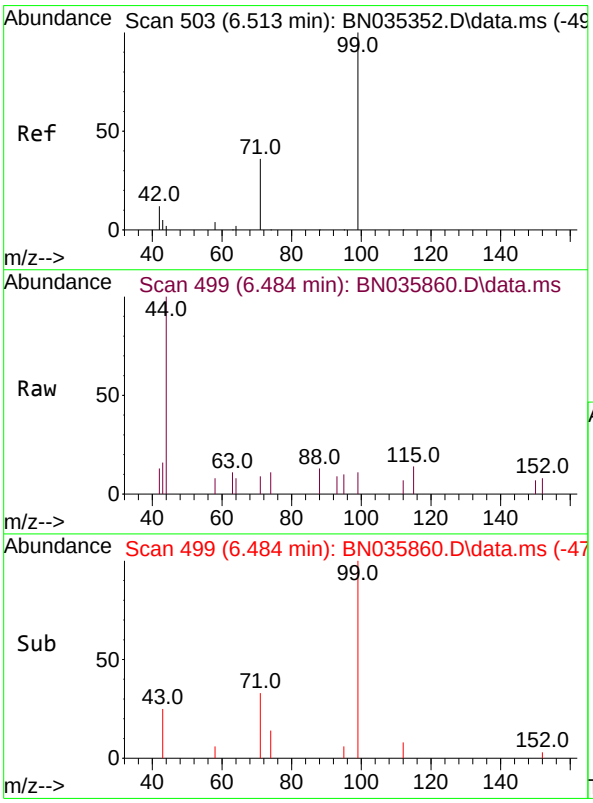
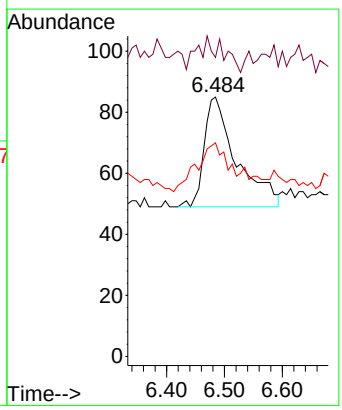


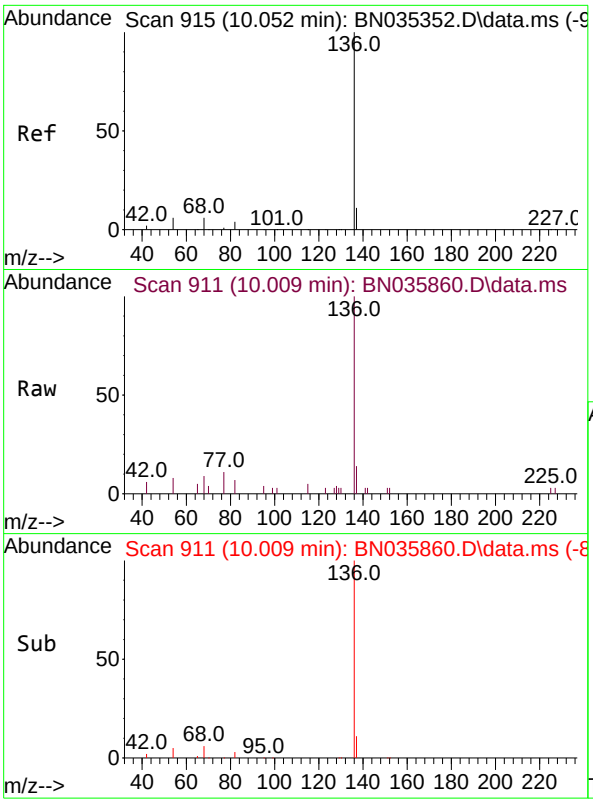


#5
Phenol-d6
Concen: 0.018 ng
RT: 6.484 min Scan# 499
Delta R.T. -0.007 min
Lab File: BN035860.D
Acq: 26 Dec 2024 19:05

Tgt Ion: 99 Resp: 140

Ion	Ratio	Lower	Upper
99	100		
42	0.0	11.4	17.2#
71	43.6	29.3	43.9

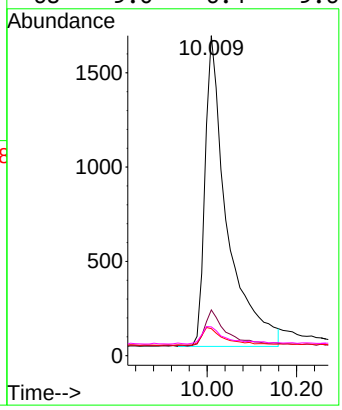




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.009 min Scan# 9
Delta R.T. -0.011 min
Lab File: BN035860.D
Acq: 26 Dec 2024 19:05

Tgt Ion:136 Resp: 562

Ion	Ratio	Lower	Upper
136	100		
137	14.3	10.2	15.2
54	8.4	6.1	9.1
68	9.0	6.4	9.6



Instrument :
BNA_N
ClientSampleId :
RE120D3-20241210DL

Manual Integrations
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Reviewed By :Yogesh Patel 12/27/2024
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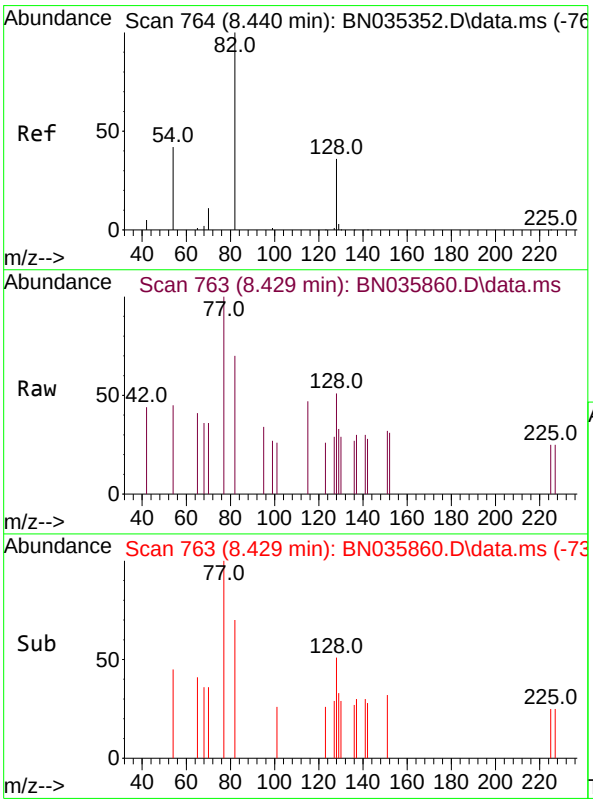
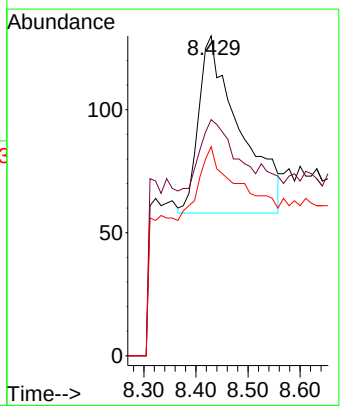
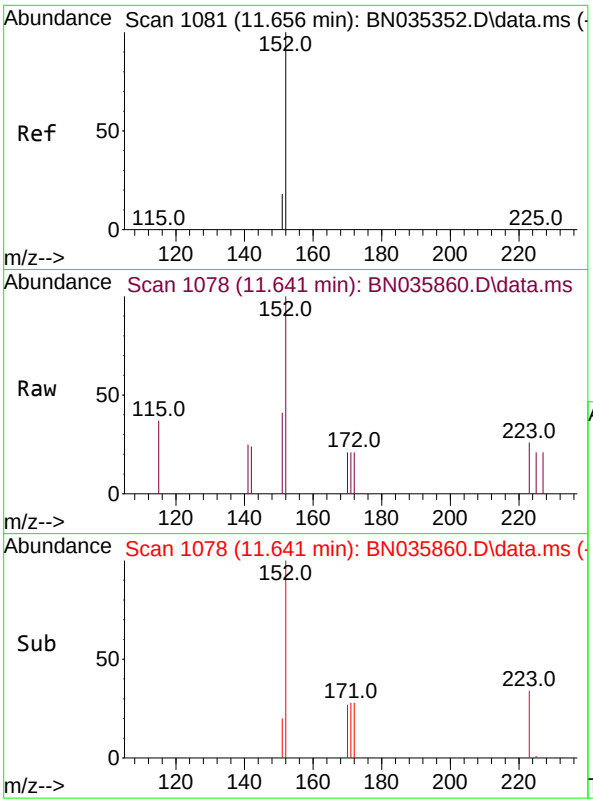


#8
Nitrobenzene-d5
Concen: 0.114 ng m
RT: 8.429 min Scan# 763
Delta R.T. 0.021 min
Lab File: BN035860.D
Acq: 26 Dec 2024 19:05

Tgt Ion: 82 Resp: 393

Ion	Ratio	Lower	Upper
82	100		
128	73.8	33.4	50.0#
54	65.4	36.7	55.1#

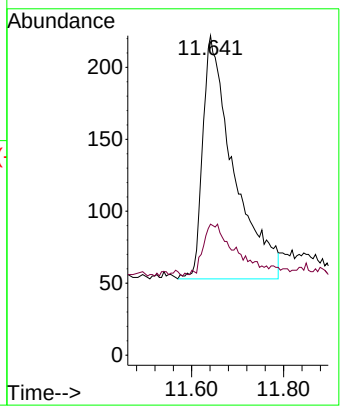




#11
2-Methylnaphthalene-d10
Concen: 0.090 ng
RT: 11.641 min Scan# 1(
Delta R.T. 0.020 min
Lab File: BN035860.D
Acq: 26 Dec 2024 19:05

Tgt Ion:152 Resp: 78

Ion	Ratio	Lower	Upper
152	100		
151	22.5	16.6	25.0



Instrument :
BNA_N
ClientSampleId :
RE120D3-20241210DL

Manual Integrations
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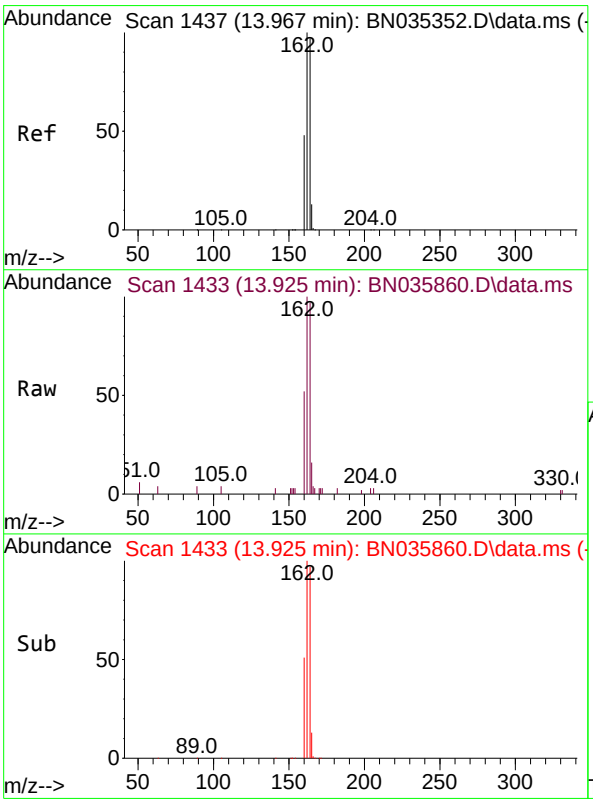
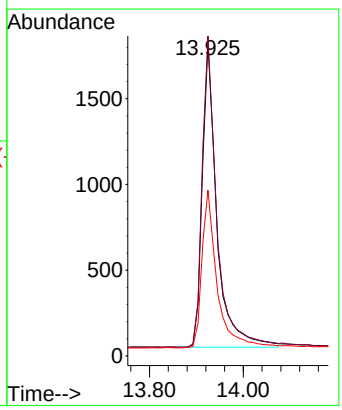
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

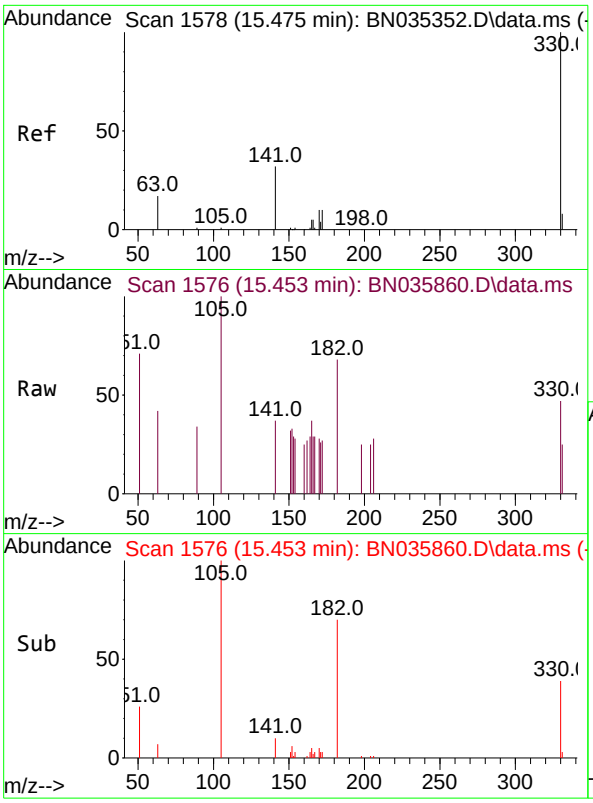


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.925 min Scan# 1433
Delta R.T. -0.011 min
Lab File: BN035860.D
Acq: 26 Dec 2024 19:05

Tgt Ion:164 Resp: 3825

Ion	Ratio	Lower	Upper
164	100		
162	102.8	82.2	123.2
160	53.2	40.1	60.1

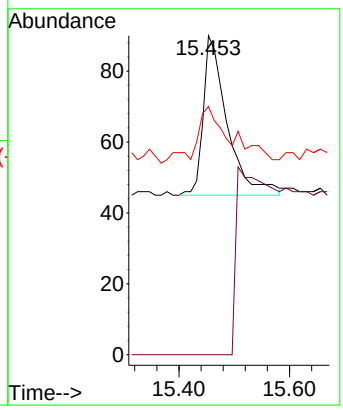




#14
2,4,6-Tribromophenol
Concen: 0.052 ng
RT: 15.453 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035860.D
Acq: 26 Dec 2024 19:05

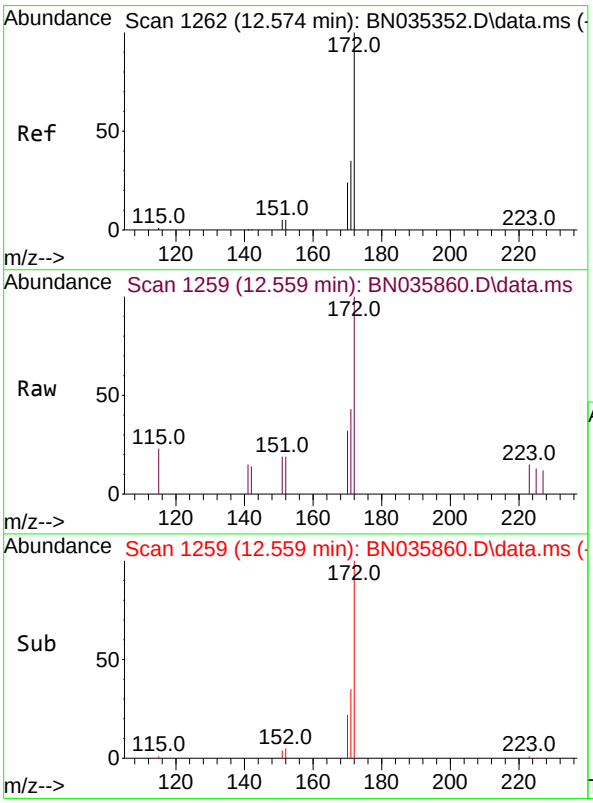
Tgt Ion:330 Resp: 14

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	28.4	26.6	40.0



Instrument :
BNA_N
ClientSampleId :
RE120D3-20241210DL

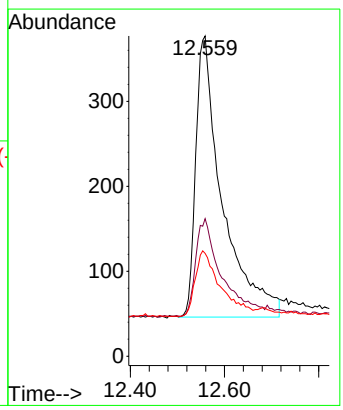
Manual Integrations
APPROVED
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

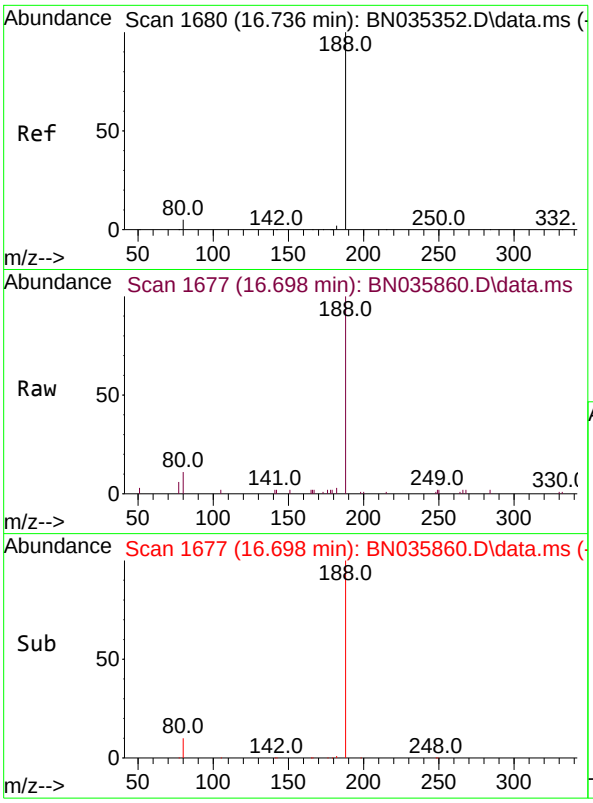


#15
2-Fluorobiphenyl
Concen: 0.090 ng
RT: 12.559 min Scan# 1259
Delta R.T. 0.015 min
Lab File: BN035860.D
Acq: 26 Dec 2024 19:05

Tgt Ion:172 Resp: 1296

Ion	Ratio	Lower	Upper
172	100		
171	43.0	29.0	43.4
170	32.1	19.8	29.8#

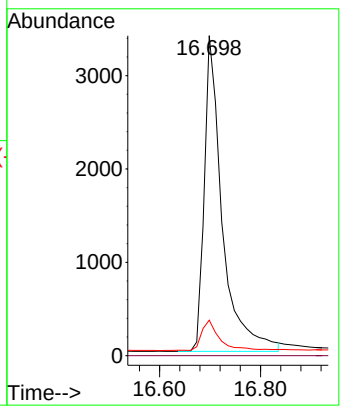




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.698 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN035860.D
Acq: 26 Dec 2024 19:05

Tgt Ion:188 Resp: 837(

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.1	4.6	6.8#



Instrument :
BNA_N
ClientSampleId :
RE120D3-20241210DL

Manual Integrations
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Reviewed By :Yogesh Patel 12/27/2024
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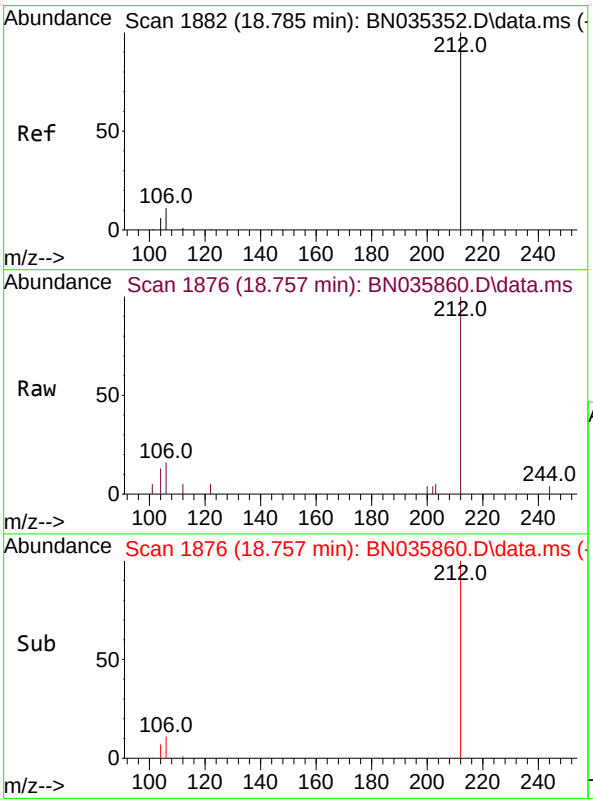
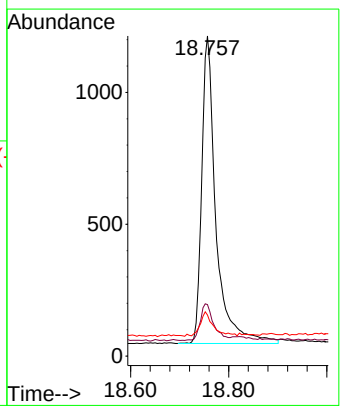
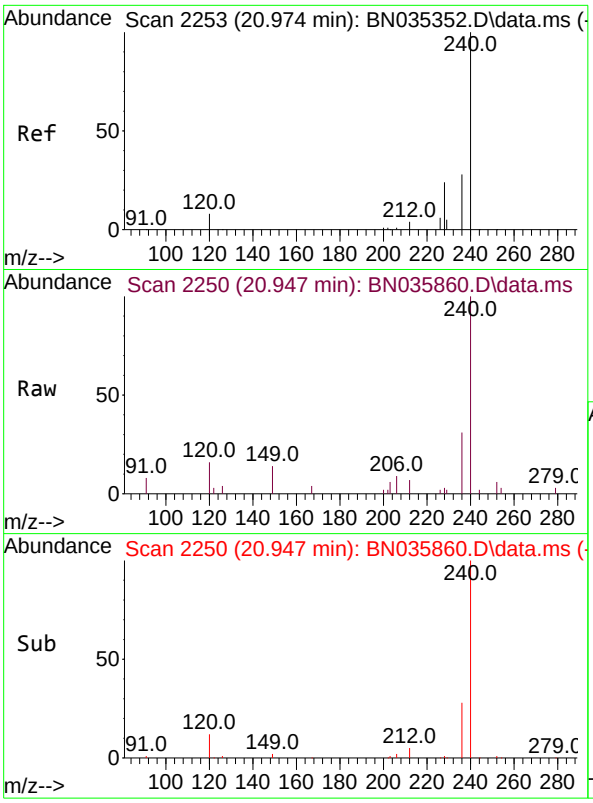


#27
Fluoranthene-d10
Concen: 0.099 ng
RT: 18.757 min Scan# 1876
Delta R.T. -0.005 min
Lab File: BN035860.D
Acq: 26 Dec 2024 19:05

Tgt Ion:212 Resp: 2340

Ion	Ratio	Lower	Upper
212	100		
106	11.2	9.2	13.8
104	7.5	5.3	7.9





#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.947 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN035860.D
Acq: 26 Dec 2024 19:05

Instrument :
BNA_N
ClientSampleId :
RE120D3-20241210DL

Tgt Ion:240 Resp: 588

Ion	Ratio	Lower	Upper
240	100		
120	16.2	7.9	11.9#
236	30.5	22.9	34.3

Manual Integrations
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Reviewed By :Yogesh Patel 12/27/2024
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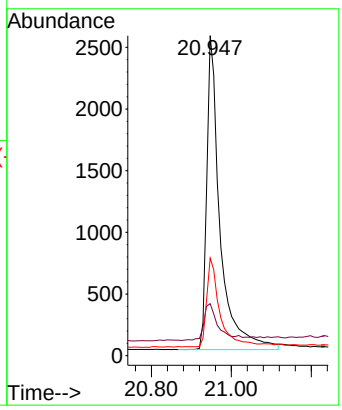
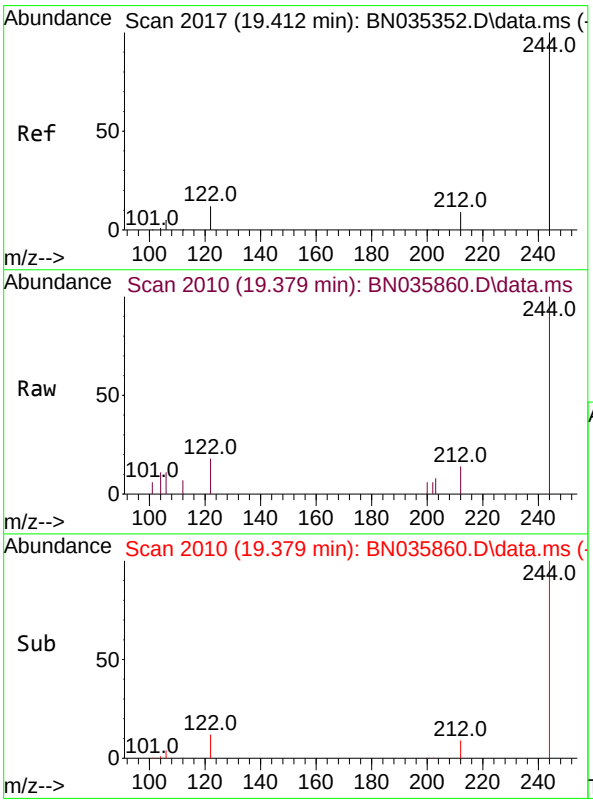
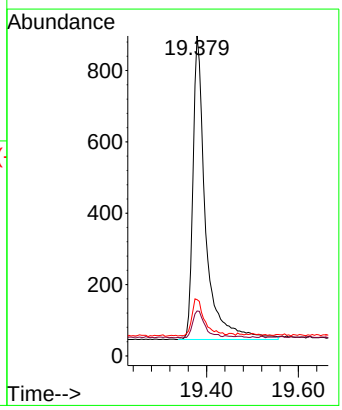


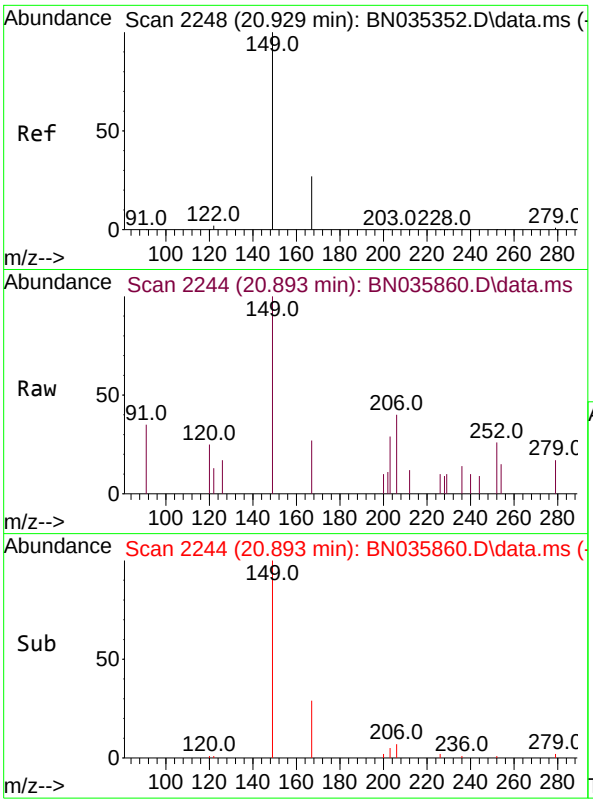


#31
Terphenyl-d14
Concen: 0.140 ng
RT: 19.379 min Scan# 2010
Delta R.T. -0.009 min
Lab File: BN035860.D
Acq: 26 Dec 2024 19:05

Tgt Ion:244 Resp: 1628

Ion	Ratio	Lower	Upper
244	100		
212	14.0	8.1	12.1#
122	17.6	10.3	15.5#





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.034 ng
RT: 20.893 min Scan# 2
Delta R.T. -0.018 min
Lab File: BN035860.D
Acq: 26 Dec 2024 19:05

Tgt Ion:149 Resp: 27

Ion	Ratio	Lower	Upper
149	100		
167	24.9	22.2	33.4
279	7.9	2.7	4.1#

Instrument :
BNA_N
ClientSampleId :
RE120D3-20241210DL

Manual Integrations
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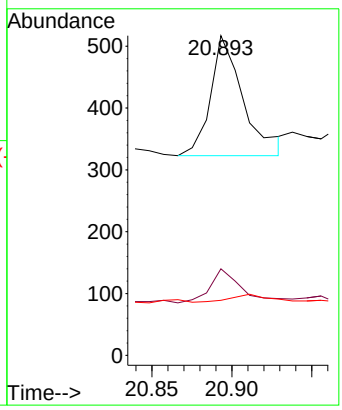
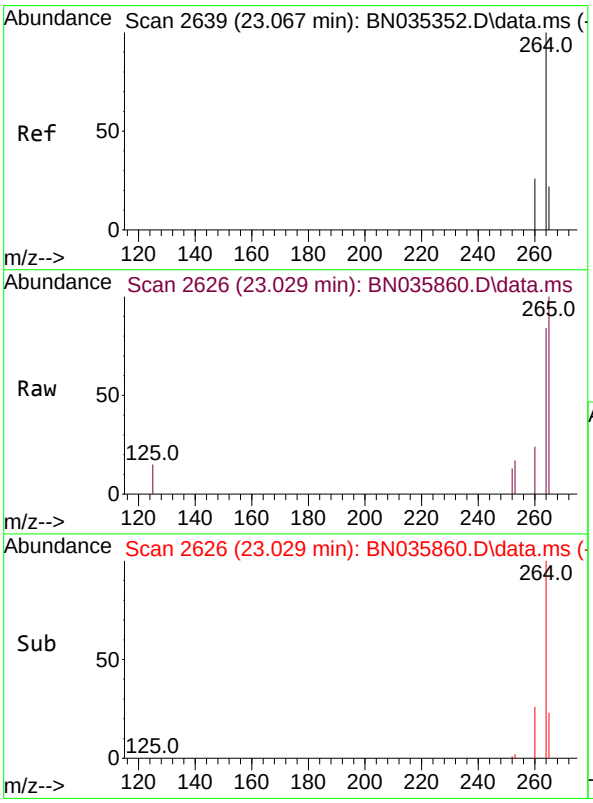
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

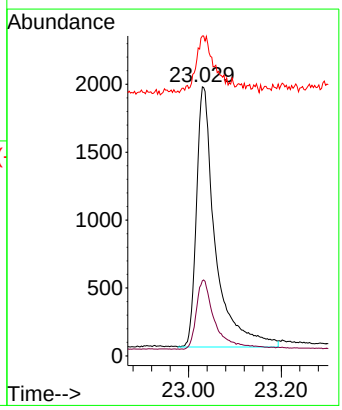




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.029 min Scan# 2626
Delta R.T. -0.012 min
Lab File: BN035860.D
Acq: 26 Dec 2024 19:05

Tgt Ion:264 Resp: 5421

Ion	Ratio	Lower	Upper
264	100		
260	28.0	21.4	32.2
265	118.9	40.2	60.4#



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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/10/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/11/24
Client Sample ID:	DUP-02-20241210	SDG No.:	P5261
Lab Sample ID:	P5261-20	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035741.D	1	12/12/24 10:30	12/20/24 14:41	PB165596

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.10	J	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.37		30 - 150		93%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.41		30 - 150		103%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.38		55 - 111		96%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.35		53 - 106		87%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.58	*	58 - 132		145%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3120	7.272				
1146-65-2	Naphthalene-d8	8010	10.02				
15067-26-2	Acenaphthene-d10	5190	13.935				
1517-22-2	Phenanthrene-d10	9840	16.711				
1719-03-5	Chrysene-d12	8580	20.956				
1520-96-3	Perylene-d12	8600	23.044				

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_N\Data\BN121924\
Data File : BN035741.D
Acq On : 20 Dec 2024 14:41
Operator : RC/JU
Sample : P5261-20
Misc :
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Dec 20 17:12:51 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
DUP-02-20241210

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.272	152	3123	0.400	ng	0.00
7) Naphthalene-d8	10.020	136	8011	0.400	ng	0.00
13) Acenaphthene-d10	13.935	164	5188	0.400	ng	0.00
19) Phenanthrene-d10	16.711	188	9843	0.400	ng	# 0.01
29) Chrysene-d12	20.956	240	8577	0.400	ng	# 0.00
35) Perylene-d12	23.044	264	8598	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.939	112	917	0.117	ng	0.00
5) Phenol-d6	6.492	99	485	0.052	ng	0.00
8) Nitrobenzene-d5	8.418	82	1874m	0.383	ng	0.01
11) 2-Methylnaphthalene-d10	11.621	152	4660	0.372	ng	0.00
14) 2,4,6-Tribromophenol	15.464	330	665	0.181	ng	0.01
15) 2-Fluorobiphenyl	12.544	172	6801	0.347	ng	0.00
27) Fluoranthene-d10	18.761	212	11511	0.413	ng	0.00
31) Terphenyl-d14	19.388	244	9778	0.578	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.982	88	290	0.097	ng	# 78
34) Bis(2-ethylhexyl)phtha...	20.911	149	775	0.065	ng	# 94

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035741.D
Acq On : 20 Dec 2024 14:41
Operator : RC/JU
Sample : P5261-20
Misc :
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Dec 20 17:12:51 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
DUP-02-20241210

Manual Integrations APPROVED

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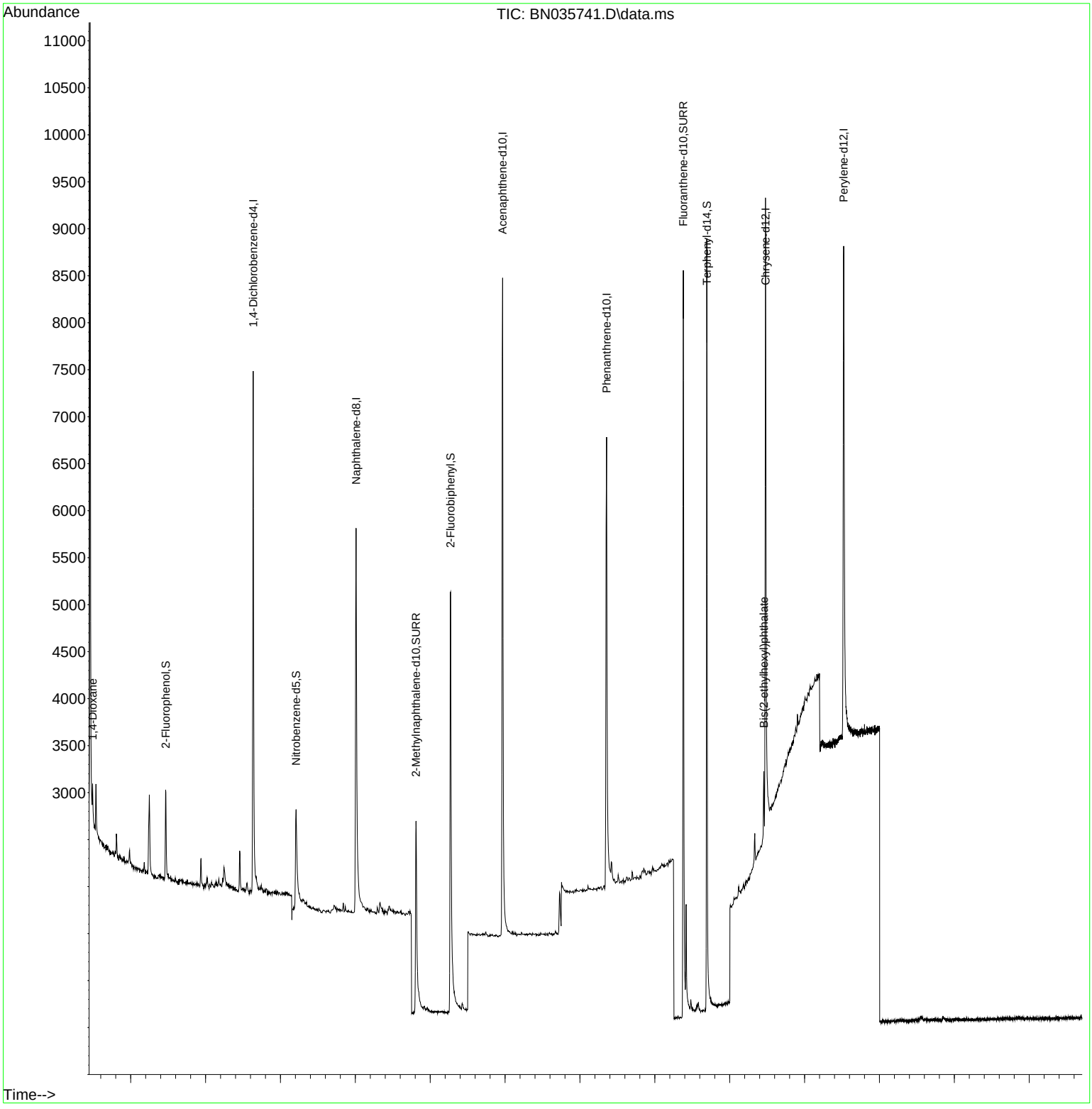
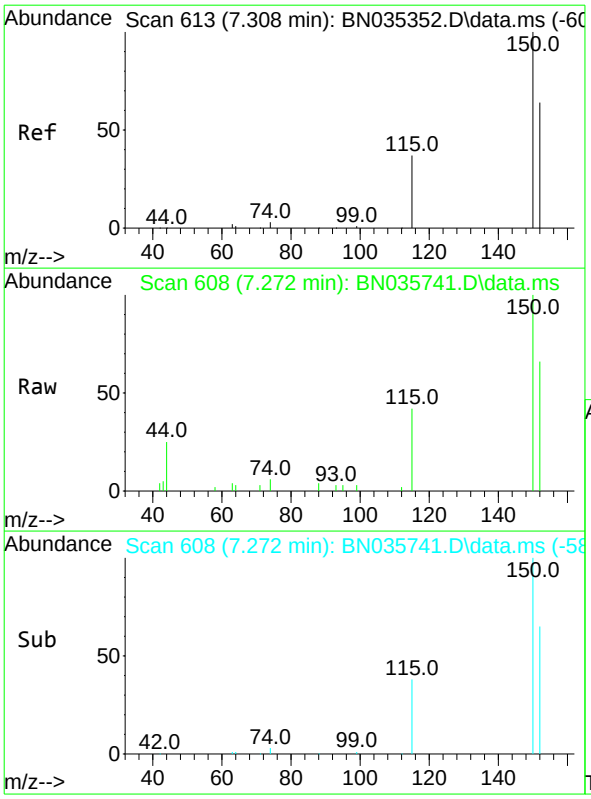
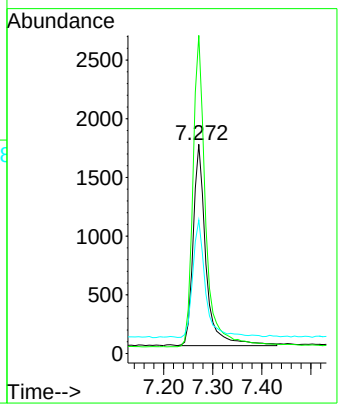




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.272 min Scan# 60
Delta R.T. -0.000 min
Lab File: BN035741.D
Acq: 20 Dec 2024 14:41

Tgt Ion:152 Resp: 3123

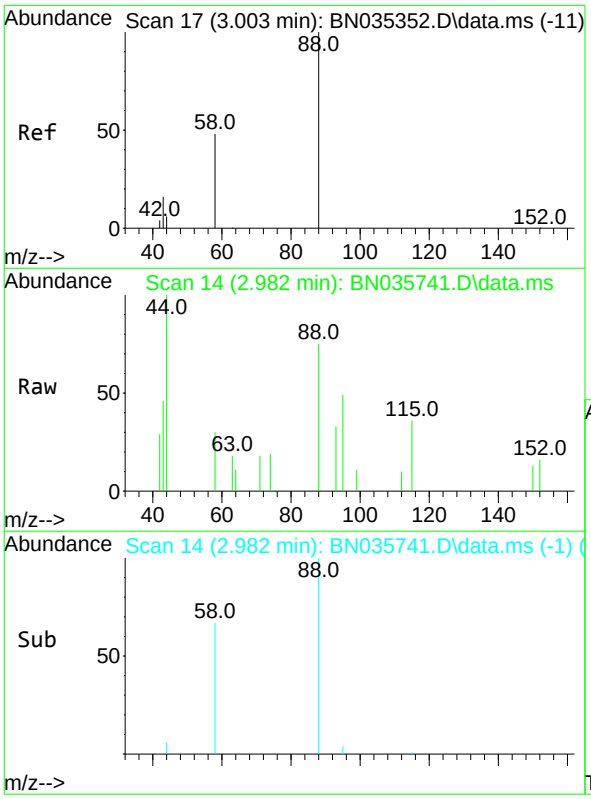
Ion	Ratio	Lower	Upper
152	100		
150	152.1	124.0	186.0
115	63.8	49.6	74.4



Instrument :
BNA_N
ClientSampleId :
DUP-02-20241210

Manual Integrations APPROVED

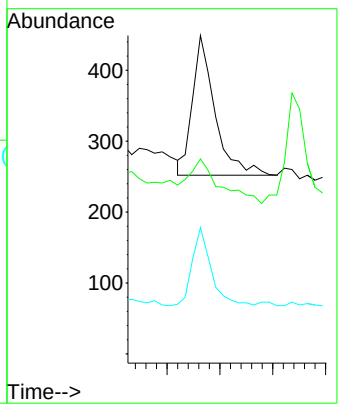
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

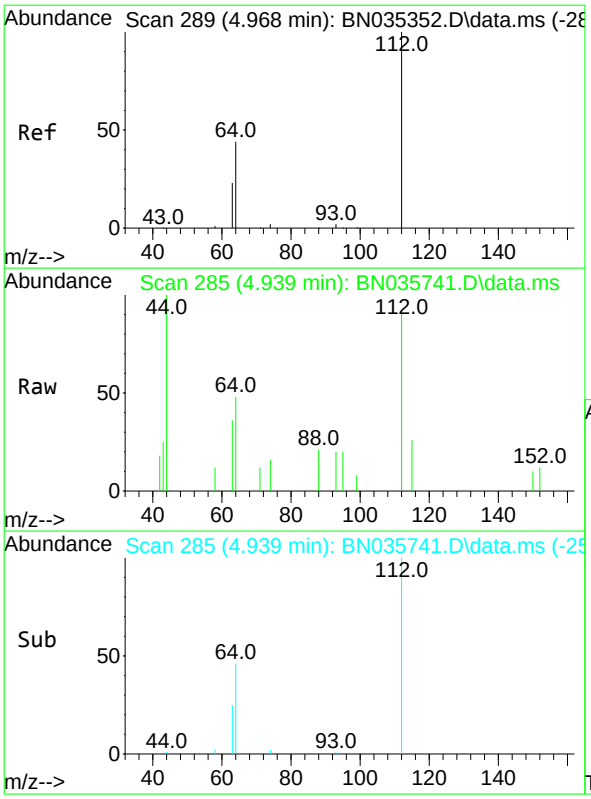


#2
1,4-Dioxane
Concen: 0.097 ng
RT: 2.982 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035741.D
Acq: 20 Dec 2024 14:41

Tgt Ion: 88 Resp: 290

Ion	Ratio	Lower	Upper
88	100		
43	44.5	17.2	25.8#
58	47.2	44.5	66.7

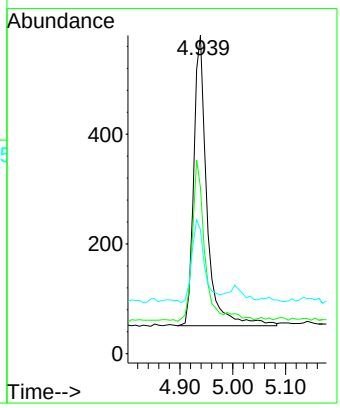




#4
2-Fluorophenol
Concen: 0.117 ng
RT: 4.939 min Scan# 28
Delta R.T. -0.000 min
Lab File: BN035741.D
Acq: 20 Dec 2024 14:41

Tgt Ion:112 Resp: 917

Ion	Ratio	Lower	Upper
112	100		
64	50.1	39.8	59.8
63	27.5	21.0	31.6



Instrument :
BNA_N
ClientSampleId :
DUP-02-20241210

Manual Integrations
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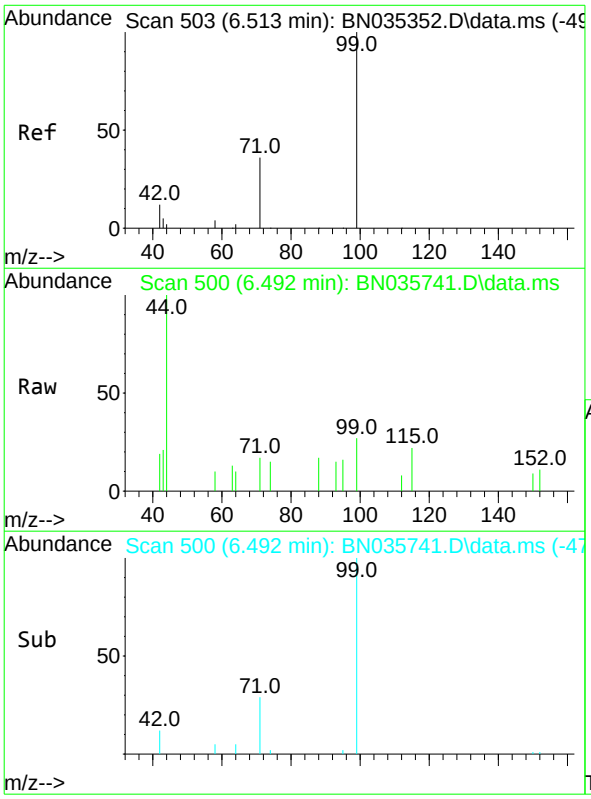
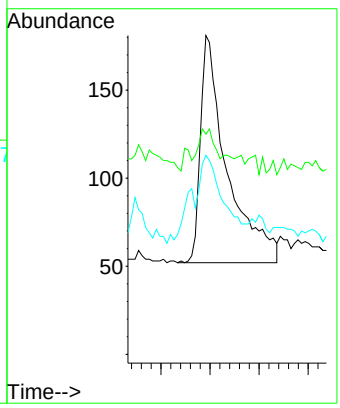
Supervised By :mohammad ahmed 12/24/2024

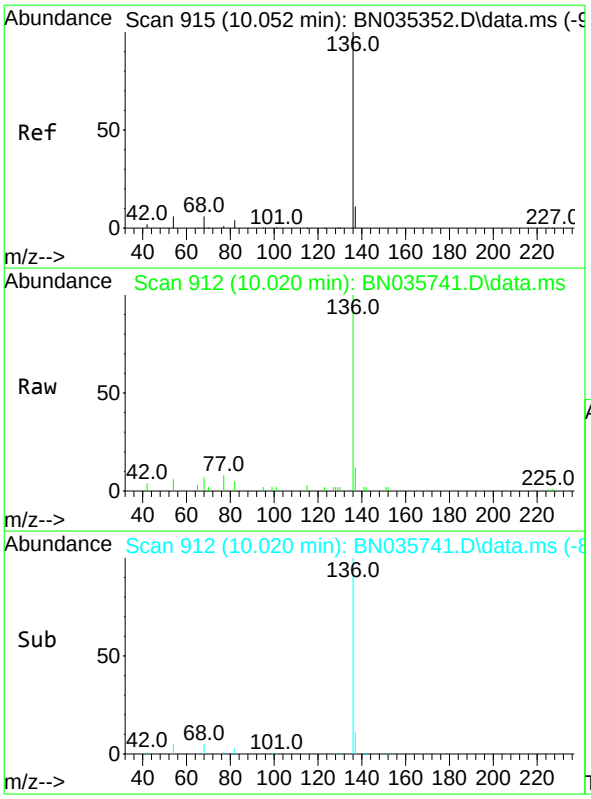


#5
Phenol-d6
Concen: 0.052 ng
RT: 6.492 min Scan# 500
Delta R.T. -0.000 min
Lab File: BN035741.D
Acq: 20 Dec 2024 14:41

Tgt Ion: 99 Resp: 485

Ion	Ratio	Lower	Upper
99	100		
42	9.1	11.4	17.2#
71	28.5	29.3	43.9#

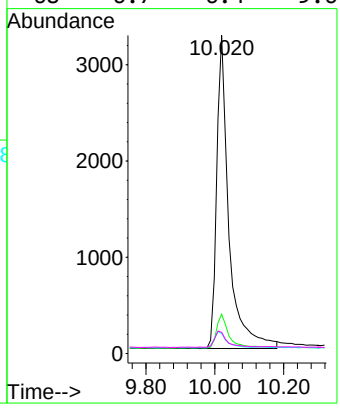




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.020 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN035741.D
Acq: 20 Dec 2024 14:41

Tgt Ion:136 Resp: 8011

Ion	Ratio	Lower	Upper
136	100		
137	12.3	10.2	15.2
54	6.3	6.1	9.1
68	6.7	6.4	9.6



Instrument :
BNA_N
ClientSampleId :
DUP-02-20241210

Manual Integrations
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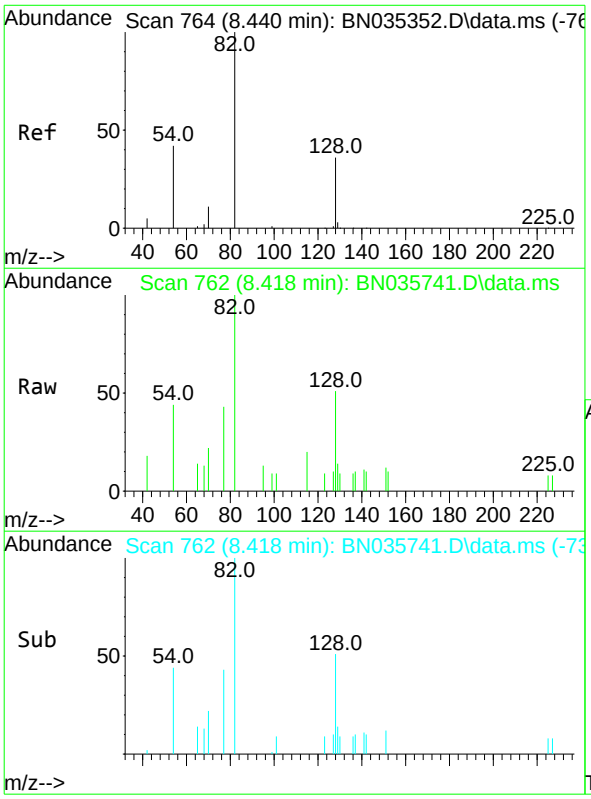
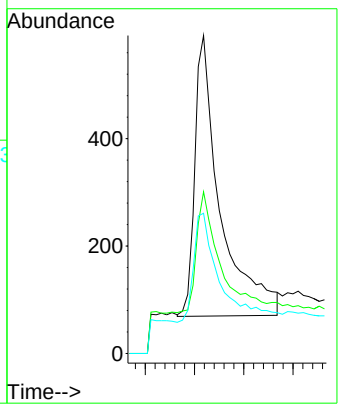
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

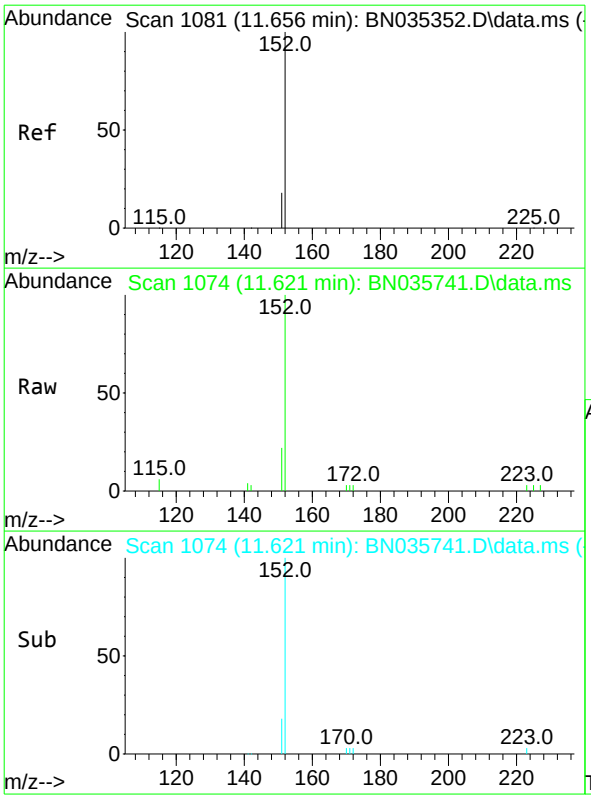


#8
Nitrobenzene-d5
Concen: 0.383 ng m
RT: 8.418 min Scan# 762
Delta R.T. 0.011 min
Lab File: BN035741.D
Acq: 20 Dec 2024 14:41

Tgt Ion: 82 Resp: 1874

Ion	Ratio	Lower	Upper
82	100		
128	50.8	33.4	50.0#
54	44.1	36.7	55.1

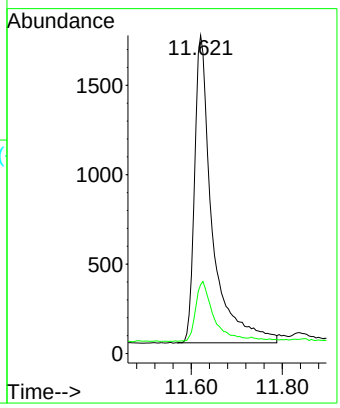




#11
2-Methylnaphthalene-d10
Concen: 0.372 ng
RT: 11.621 min Scan# 10
Delta R.T. -0.000 min
Lab File: BN035741.D
Acq: 20 Dec 2024 14:41

Tgt Ion:152 Resp: 4660

Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.6	25.0



Instrument :
BNA_N
ClientSampleId :
DUP-02-20241210

Manual Integrations
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Reviewed By :Yogesh Patel 12/21/2024
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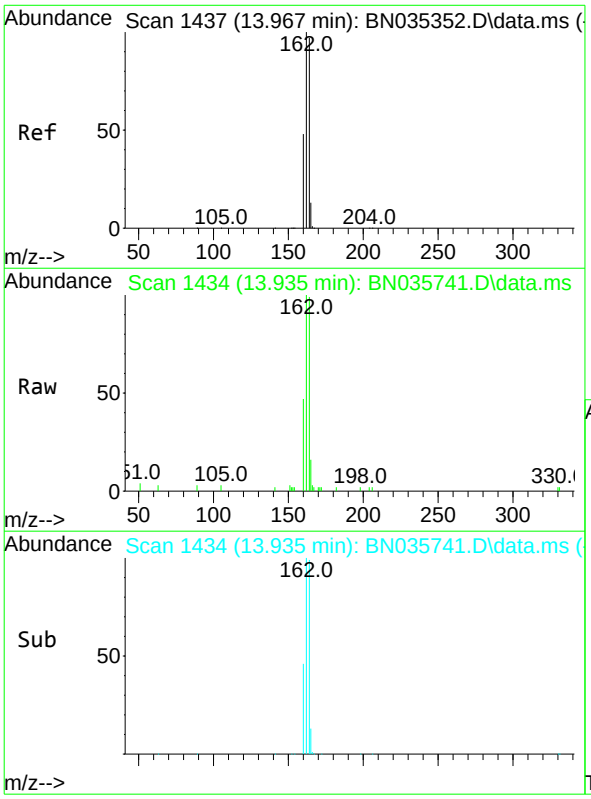
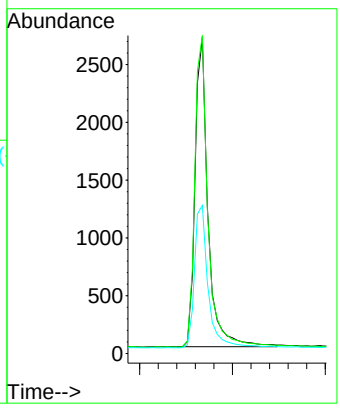
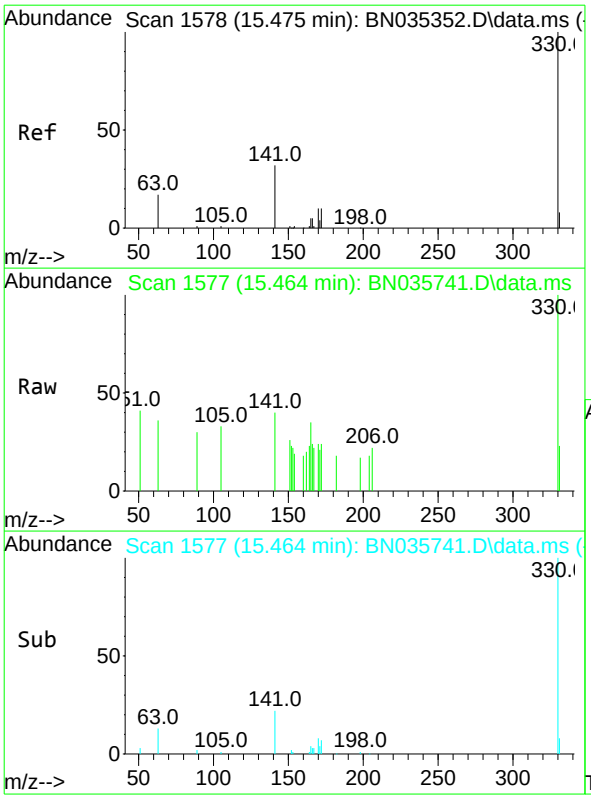


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.935 min Scan# 1434
Delta R.T. -0.000 min
Lab File: BN035741.D
Acq: 20 Dec 2024 14:41

Tgt Ion:164 Resp: 5188

Ion	Ratio	Lower	Upper
164	100		
162	100.7	82.2	123.2
160	46.9	40.1	60.1





#14
2,4,6-Tribromophenol
Concen: 0.181 ng
RT: 15.464 min Scan# 15
Delta R.T. 0.011 min
Lab File: BN035741.D
Acq: 20 Dec 2024 14:41

Tgt Ion:330 Resp: 665

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	32.8	26.6	40.0

Instrument :
BNA_N
ClientSampleId :
DUP-02-20241210

Manual Integrations APPROVED

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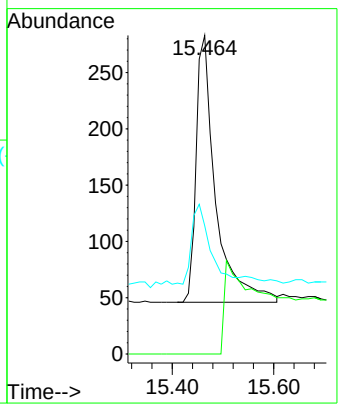
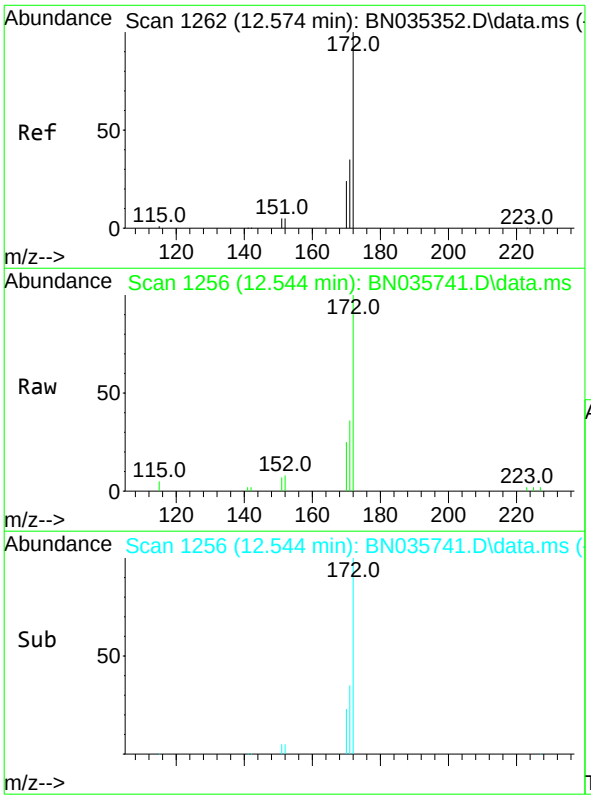
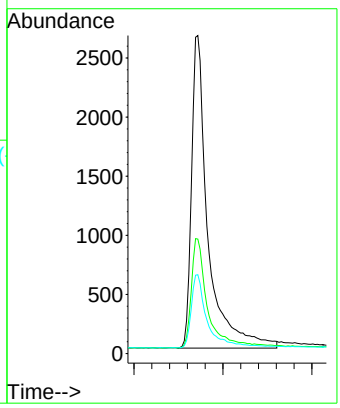


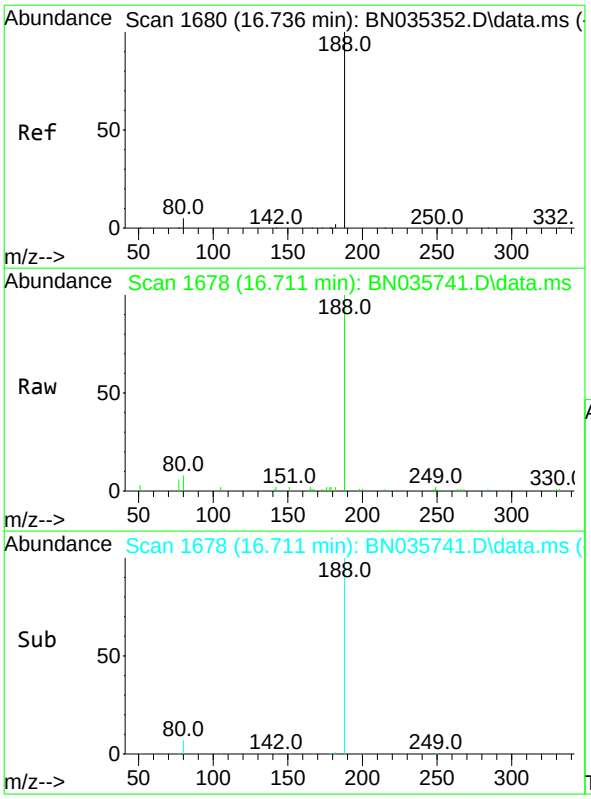


#15
2-Fluorobiphenyl
Concen: 0.347 ng
RT: 12.544 min Scan# 1256
Delta R.T. -0.000 min
Lab File: BN035741.D
Acq: 20 Dec 2024 14:41

Tgt Ion:172 Resp: 6801

Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.0	43.4
170	24.8	19.8	29.8

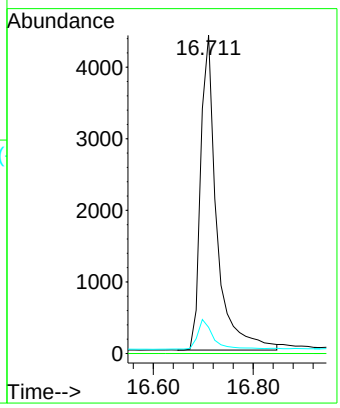




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.711 min Scan# 16
Delta R.T. 0.012 min
Lab File: BN035741.D
Acq: 20 Dec 2024 14:41

Tgt Ion:188 Resp: 9843

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.2	4.6	6.8#



Instrument :
BNA_N
ClientSampleId :
DUP-02-20241210

Manual Integrations
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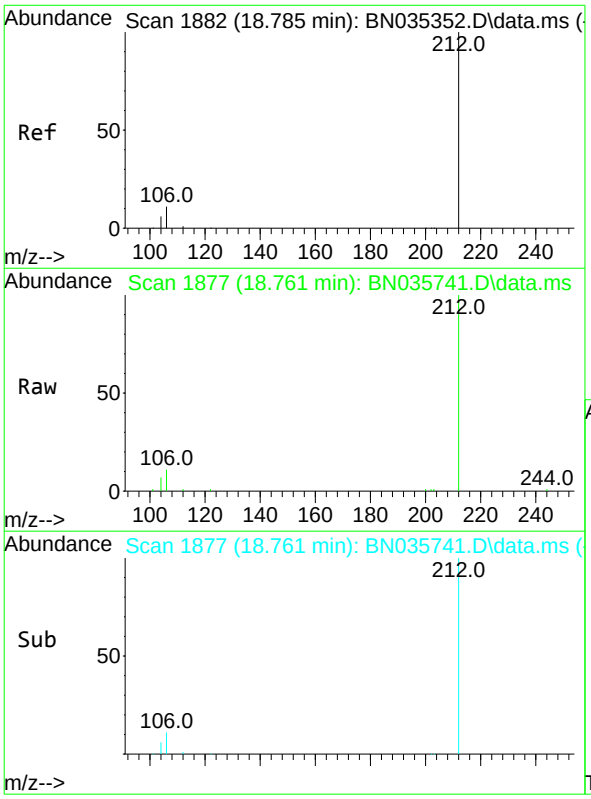
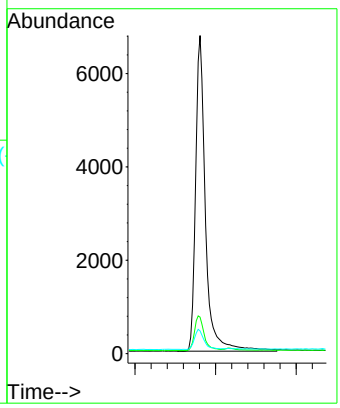
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

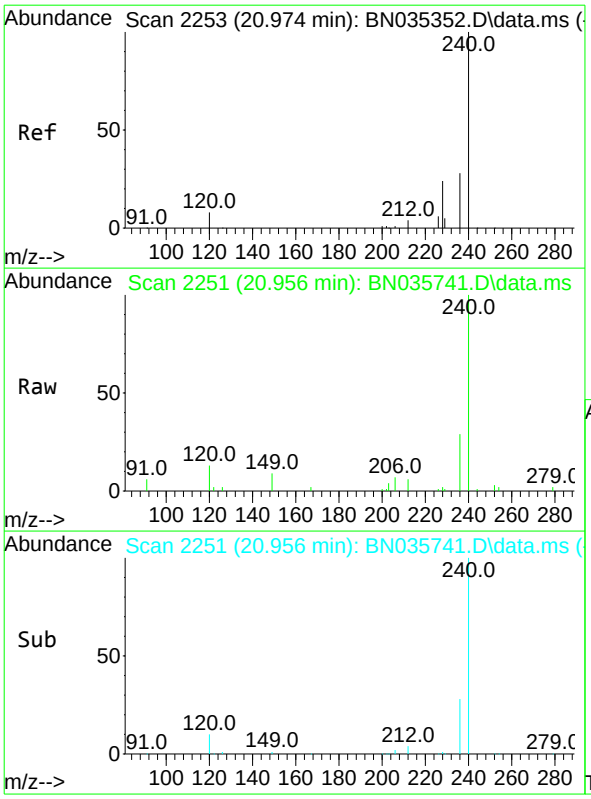


#27
Fluoranthene-d10
Concen: 0.413 ng
RT: 18.761 min Scan# 1877
Delta R.T. -0.000 min
Lab File: BN035741.D
Acq: 20 Dec 2024 14:41

Tgt Ion:212 Resp: 11511

Ion	Ratio	Lower	Upper
212	100		
106	10.8	9.2	13.8
104	6.1	5.3	7.9





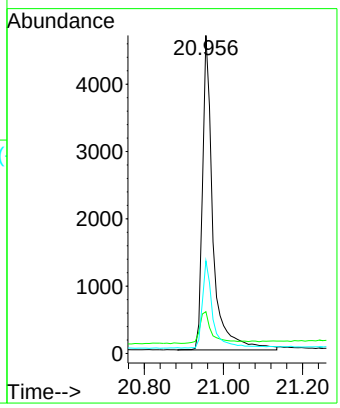
#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.956 min Scan# 22
Delta R.T. -0.000 min
Lab File: BN035741.D
Acq: 20 Dec 2024 14:41

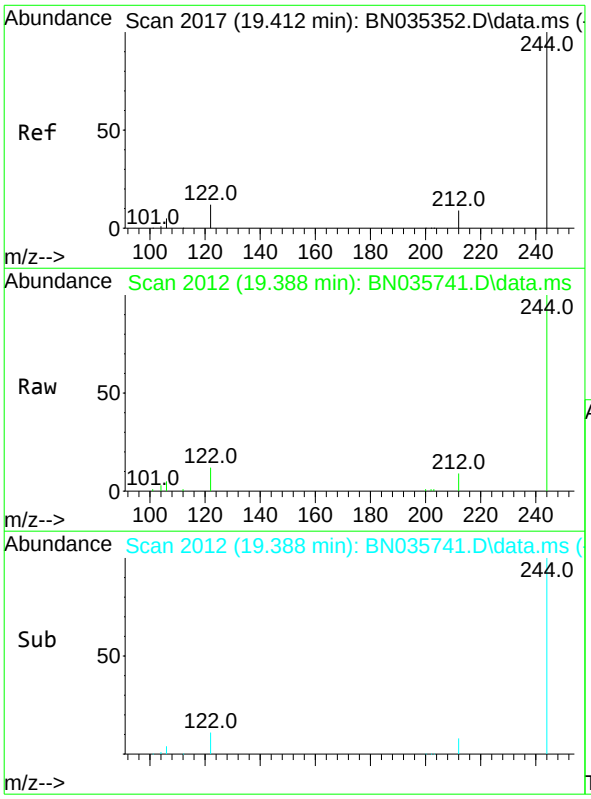
Tgt Ion:240 Resp: 8577

Ion	Ratio	Lower	Upper
240	100		
120	13.1	7.9	11.9#
236	29.1	22.9	34.3

Instrument :
BNA_N
ClientSampleId :
DUP-02-20241210

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

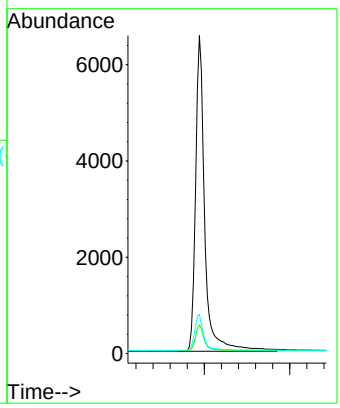


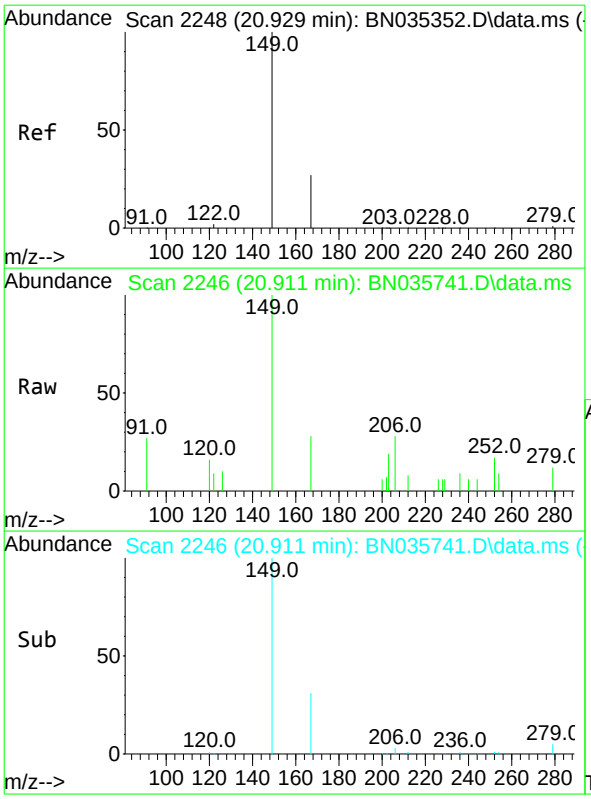


#31
Terphenyl-d14
Concen: 0.578 ng
RT: 19.388 min Scan# 2012
Delta R.T. -0.000 min
Lab File: BN035741.D
Acq: 20 Dec 2024 14:41

Tgt Ion:244 Resp: 9778

Ion	Ratio	Lower	Upper
244	100		
212	9.0	8.1	12.1
122	12.3	10.3	15.5





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.065 ng
RT: 20.911 min Scan# 22
Delta R.T. -0.000 min
Lab File: BN035741.D
Acq: 20 Dec 2024 14:41

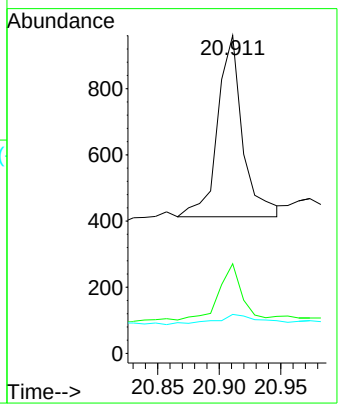
Tgt Ion:149 Resp: 775

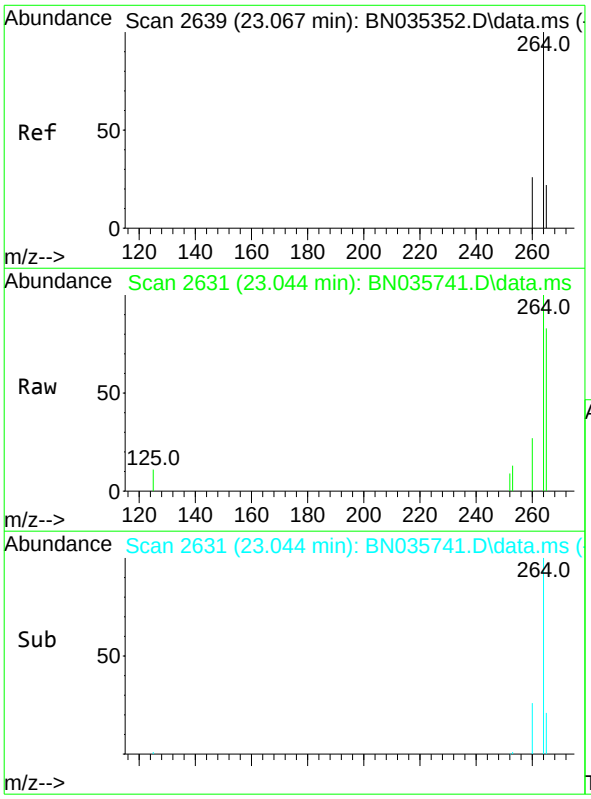
Ion	Ratio	Lower	Upper
149	100		
167	29.8	22.2	33.4
279	10.3	2.7	4.1#

Instrument :
BNA_N
ClientSampleId :
DUP-02-20241210

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

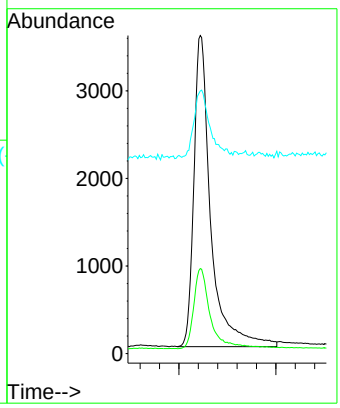




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.044 min Scan# 2631
Delta R.T. 0.003 min
Lab File: BN035741.D
Acq: 20 Dec 2024 14:41

Tgt Ion:264 Resp: 8598

Ion	Ratio	Lower	Upper
264	100		
260	26.7	21.4	32.2
265	82.6	40.2	60.4#



CALIBRATION SUMMARY

Response Factor Report BNA_N

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
Method File : 8270-SIM-BN112724.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Nov 27 23:03:24 2024
Response Via : Initial Calibration

Calibration Files
0.1 =BN035350.D 0.2 =BN035351.D 0.4 =BN035352.D 0.8 =BN035353.D 1.6 =BN035354.D 3.2 =BN035355.D 5.0 =BN035356.D

		Compound	0.1	0.2	0.4	0.8	1.6	3.2	5.0	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------								
2)		1,4-Dioxane	0.406	0.417	0.376	0.380	0.392	0.357	0.348	0.382	6.52
3)		n-Nitrosodimet...	0.334	0.302	0.326	0.315	0.332	0.310	0.309	0.319	3.92
4)	S	2-Fluorophenol	1.025	1.112	1.018	0.958	0.998	0.954	0.942	1.001	5.88
5)	S	Phenol-d6	1.227	1.186	1.193	1.143	1.235	1.215	1.229	1.204	2.69
6)		bis(2-Chloroet...	1.035	1.021	0.992	0.993	1.051	0.997	0.991	1.012	2.39
7)	I	Naphthalene-d8	----------ISTD----------								
8)	S	Nitrobenzene-d5	0.227	0.232	0.235	0.248	0.257	0.251	0.261	0.244	5.31
9)		Naphthalene	1.062	1.029	1.047	1.032	1.096	1.049	1.070	1.055	2.22
10)		Hexachlorobuta...	0.245	0.242	0.247	0.241	0.255	0.236	0.238	0.243	2.60
11)	SURR	2-Methylnaphth...	0.591	0.603	0.619	0.615	0.659	0.639	0.656	0.626	4.16
12)		2-Methylnaphth...	0.724	0.716	0.740	0.747	0.795	0.771	0.795	0.755	4.25
13)	I	Acenaphthene-d10	----------ISTD----------								
14)	S	2,4,6-Tribromo...	0.273	0.258	0.257	0.268	0.293	0.311	0.328	0.284	9.67
15)	S	2-Fluorobiphenyl	1.489	1.491	1.510	1.508	1.566	1.511	1.511	1.512	1.68
16)		Acenaphthylene	1.643	1.600	1.595	1.638	1.737	1.763	1.781	1.680	4.68
17)		Acenaphthene	1.121	1.084	1.086	1.108	1.145	1.122	1.140	1.115	2.17
18)		Fluorene	1.589	1.549	1.543	1.600	1.652	1.614	1.625	1.596	2.47
19)	I	Phenanthrene-d10	----------ISTD----------								
20)		4,6-Dinitro-2-...	0.038	0.031	0.036	0.041	0.051			0.039	19.30
21)		4-Bromophenyl-...	0.226	0.218	0.226	0.233	0.249	0.242	0.244	0.234	4.85
22)		Hexachlorobenzene	0.265	0.266	0.273	0.276	0.288	0.278	0.277	0.275	2.82
23)		Atrazine	0.155	0.155	0.154	0.156	0.175	0.179	0.191	0.167	8.98
24)		Pentachlorophenol	0.140	0.090	0.095	0.103	0.121	0.136	0.150	0.120	19.86
25)		Phenanthrene	1.092	1.046	1.067	1.092	1.148	1.121	1.125	1.099	3.20
26)		Anthracene	0.964	0.923	0.940	0.973	1.050	1.042	1.064	0.994	5.76
27)	SURR	Fluoranthene-d10	1.203	1.086	1.077	1.105	1.165	1.138	1.164	1.134	4.10
28)		Fluoranthene	1.538	1.396	1.416	1.456	1.539	1.497	1.526	1.481	3.99
29)	I	Chrysene-d12	----------ISTD----------								
30)		Pyrene	1.583	1.445	1.475	1.443	1.519	1.440	1.431	1.477	3.79
31)	S	Terphenyl-d14	0.832	0.777	0.791	0.771	0.812	0.772	0.769	0.789	3.08
32)		Benzo(a)anthra...	1.431	1.343	1.355	1.375	1.451	1.411	1.429	1.399	2.98
33)		Chrysene	1.463	1.452	1.441	1.415	1.487	1.422	1.420	1.443	1.84
34)		Bis(2-ethylhex...	0.710	0.558	0.516	0.505	0.520	0.516	0.544	0.553	12.96
35)	I	Perylene-d12	----------ISTD----------								

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
Method File : 8270-SIM-BN112724.M

36)		Indeno(1,2,3-c...	1.411	1.489	1.532	1.554	1.660	1.615	1.685	1.564	6.22
37)		Benzo(b)fluora...	1.305	1.348	1.313	1.378	1.827	1.463	1.608	1.463	13.12
38)		Benzo(k)fluora...	1.444	1.376	1.402	1.419	1.527	1.447	1.468	1.440	3.39
39)	C	Benzo(a)pyrene	1.204	1.156	1.146	1.171	1.256	1.232	1.271	1.205	4.11
40)		Dibenzo(a,h)an...	1.104	1.187	1.194	1.226	1.315	1.280	1.332	1.234	6.55
41)		Benzo(g,h,i)pe...	1.188	1.238	1.248	1.269	1.360	1.330	1.394	1.289	5.71

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
Data File : BN035350.D
Acq On : 27 Nov 2024 15:34
Operator : RC/JU
Sample : SSTDICC0.1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 12/03/2024

Quant Time: Nov 27 22:52:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 27 22:48:24 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.308	152	2237	0.400	ng		0.00
7) Naphthalene-d8	10.052	136	5753	0.400	ng		0.00
13) Acenaphthene-d10	13.967	164	4077	0.400	ng		0.00
19) Phenanthrene-d10	16.736	188	10855	0.400	ng		0.00
29) Chrysene-d12	20.974	240	11269	0.400	ng		0.00
35) Perylene-d12	23.067	264	13004	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	4.968	112	573	0.101	ng		0.00
5) Phenol-d6	6.513	99	686	0.096	ng		0.00
8) Nitrobenzene-d5	8.450	82	327m	0.065	ng		0.01
11) 2-Methylnaphthalene-d10	11.661	152	850	0.083	ng		0.00
14) 2,4,6-Tribromophenol	15.475	330	278	0.095	ng		0.00
15) 2-Fluorobiphenyl	12.574	172	1518	0.092	ng		0.00
27) Fluoranthene-d10	18.785	212	3265	0.098	ng		0.00
31) Terphenyl-d14	19.412	244	2344	0.099	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.003	88	227	0.112	ng	#	87
3) n-Nitrosodimethylamine	3.299	42	187	0.099	ng	#	90
6) bis(2-Chloroethyl)ether	6.759	93	579	0.108	ng		98
9) Naphthalene	10.105	128	1527	0.102	ng	#	91
10) Hexachlorobutadiene	10.404	225	352	0.080	ng	#	97
12) 2-Methylnaphthalene	11.737	142	1042	0.094	ng		96
16) Acenaphthylene	13.679	152	1675	0.096	ng		100
17) Acenaphthene	14.031	154	1143	0.100	ng		99
18) Fluorene	15.026	166	1620	0.096	ng		98
20) 4,6-Dinitro-2-methylph...	15.133	198	103	0.046	ng	#	29
21) 4-Bromophenyl-phenylether	15.941	248	612	0.088	ng	#	94
22) Hexachlorobenzene	16.041	284	720	0.100	ng		97
23) Atrazine	16.227	200	421	0.068	ng	#	86
24) Pentachlorophenol	16.401	266	381	0.114	ng		90
25) Phenanthrene	16.773	178	2963	0.104	ng		99
26) Anthracene	16.860	178	2617	0.100	ng		98
28) Fluoranthene	18.817	202	4173	0.106	ng		99
30) Pyrene	19.184	202	4461	0.119	ng		100
32) Benzo(a)anthracene	20.956	228	4031	0.103	ng		99
33) Chrysene	21.010	228	4123	0.106	ng		97
34) Bis(2-ethylhexyl)phtha...	20.929	149	1999	0.097	ng		99
36) Indeno(1,2,3-cd)pyrene	25.105	276	4586	0.088	ng		97
37) Benzo(b)fluoranthene	22.456	252	4243	0.097	ng	#	82
38) Benzo(k)fluoranthene	22.494	252	4695m	0.107	ng		
39) Benzo(a)pyrene	22.977	252	3913	0.102	ng	#	69
40) Dibenzo(a,h)anthracene	25.126	278	3588	0.087	ng	#	86
41) Benzo(g,h,i)perylene	25.725	276	3863	0.088	ng	#	93

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

ICAL Form

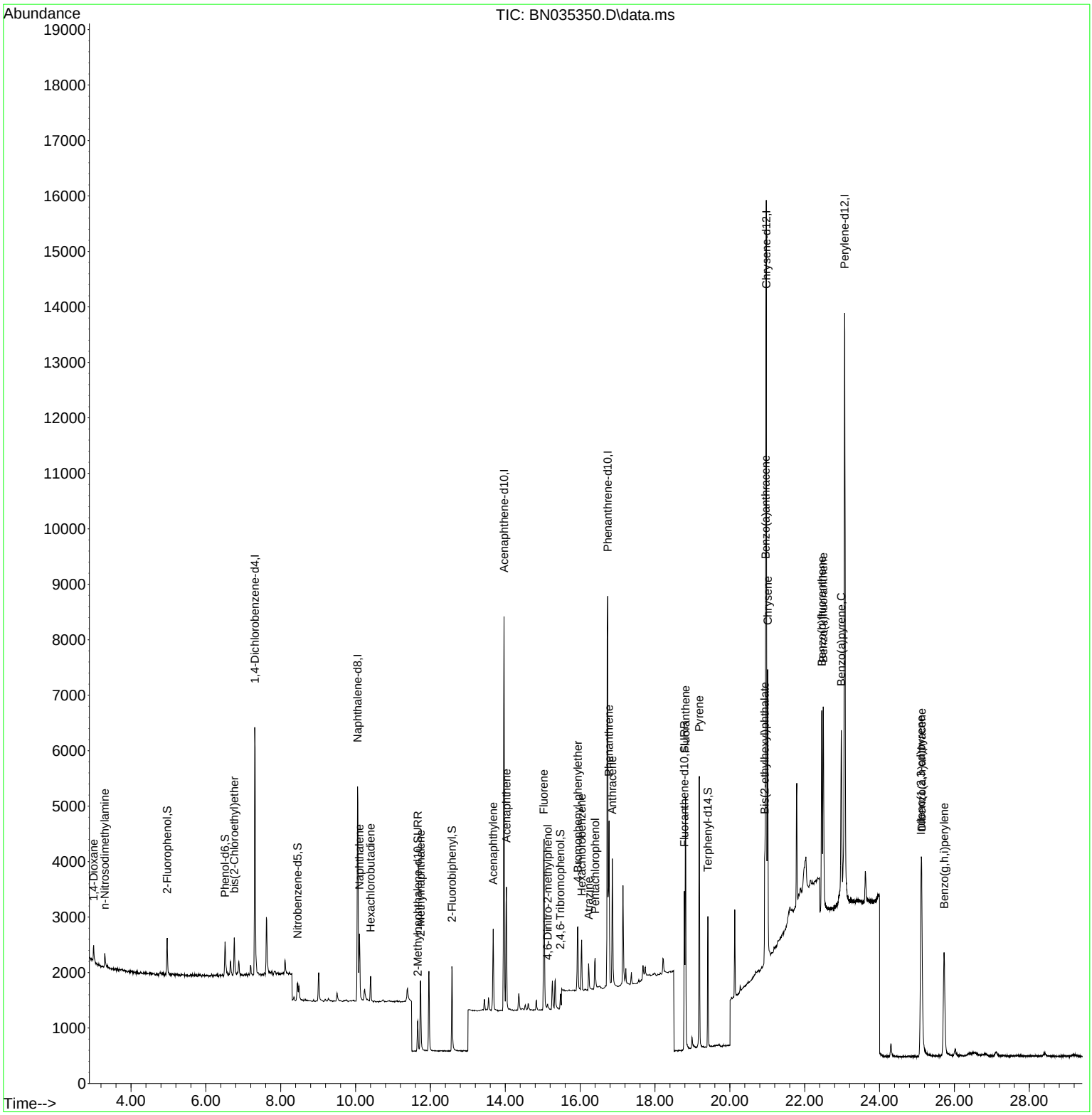
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
Data File : BN035350.D
Acq On : 27 Nov 2024 15:34
Operator : RC/JU
Sample : SSTDICC0.1
Misc :
ALS Vial : 2 Sample Multiplier: 1

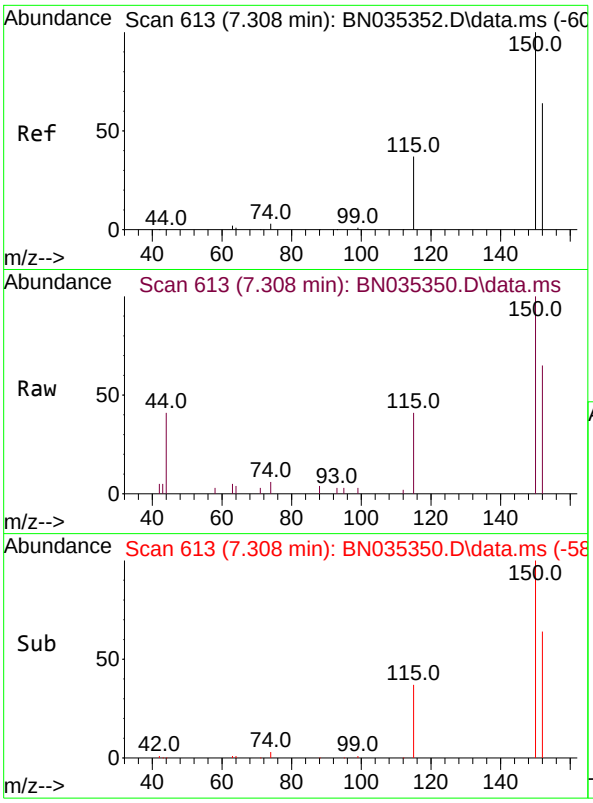
Quant Time: Nov 27 22:52:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 27 22:48:24 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 12/03/2024

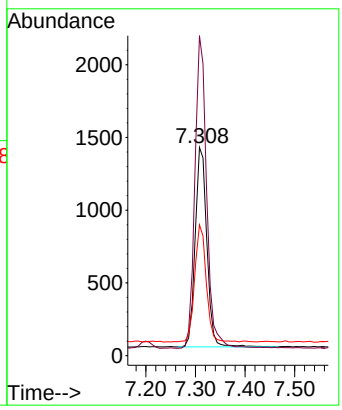




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.308 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Tgt Ion:152 Resp: 223

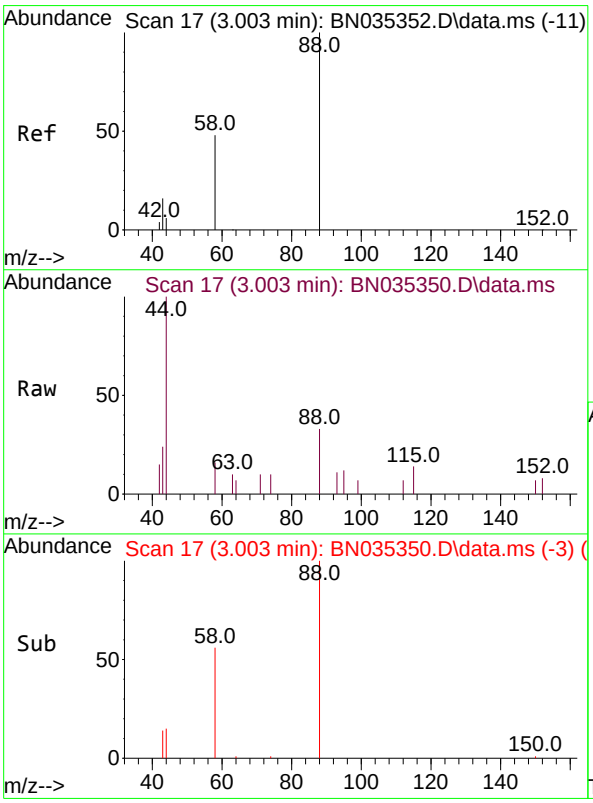
Ion	Ratio	Lower	Upper
152	100		
150	153.6	124.0	186.0
115	62.8	49.6	74.4



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Manual Integrations
APPROVED

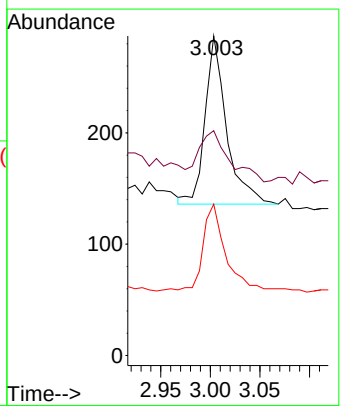
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 12/03/2024

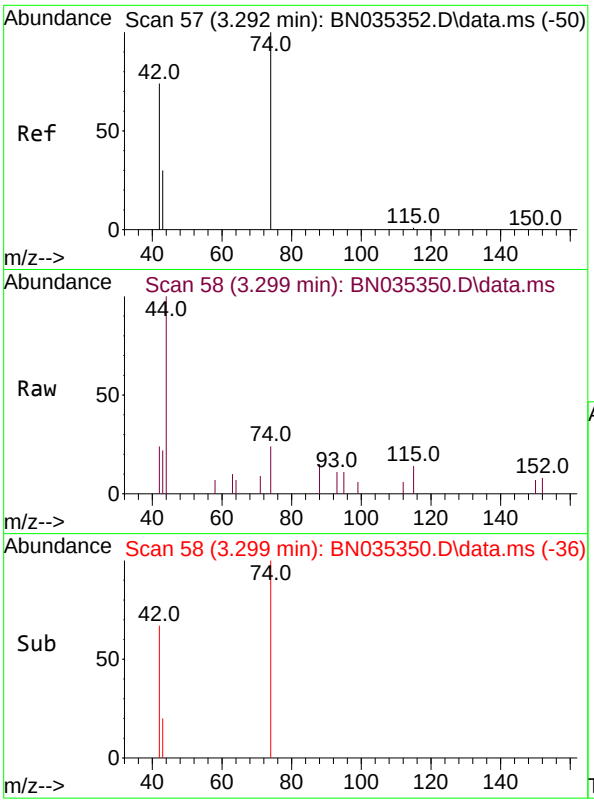


#2
1,4-Dioxane
Concen: 0.112 ng
RT: 3.003 min Scan# 17
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Tgt Ion: 88 Resp: 227

Ion	Ratio	Lower	Upper
88	100		
43	41.4	17.2	25.8#
58	54.6	44.5	66.7

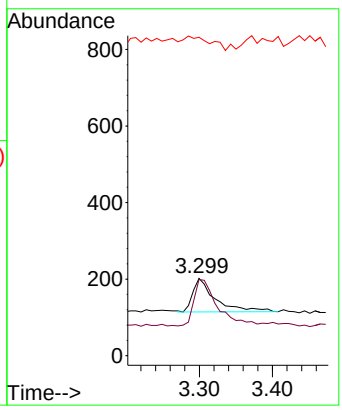




#3
n-Nitrosodimethylamine
Concen: 0.099 ng
RT: 3.299 min Scan# 5
Delta R.T. 0.007 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Tgt Ion: 42 Resp: 18

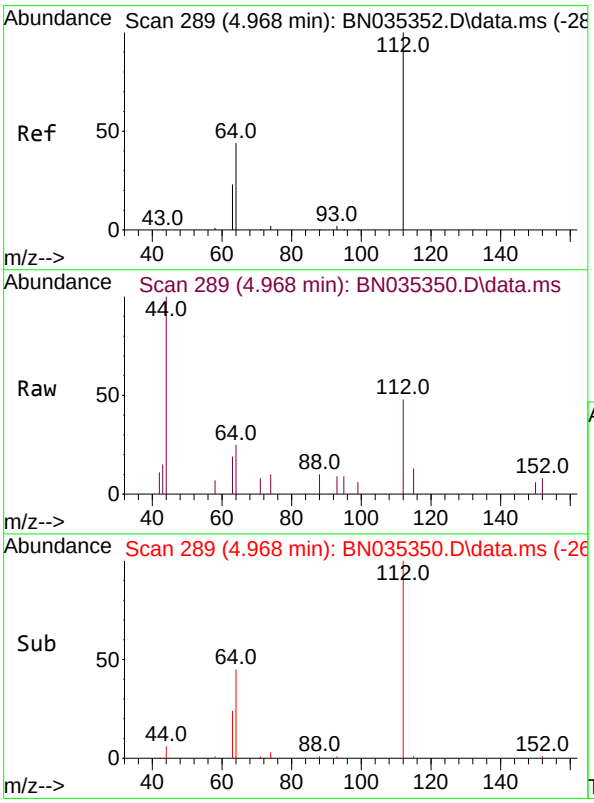
Ion	Ratio	Lower	Upper
42	100		
74	146.5	124.9	187.3
44	51.9	2.2	3.4



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Manual Integrations APPROVED

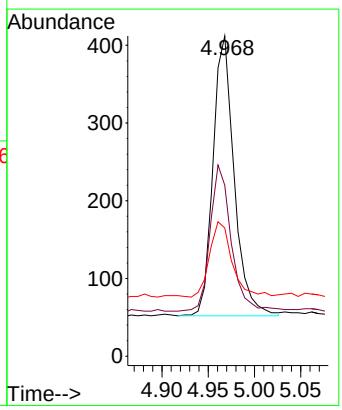
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 12/03/2024

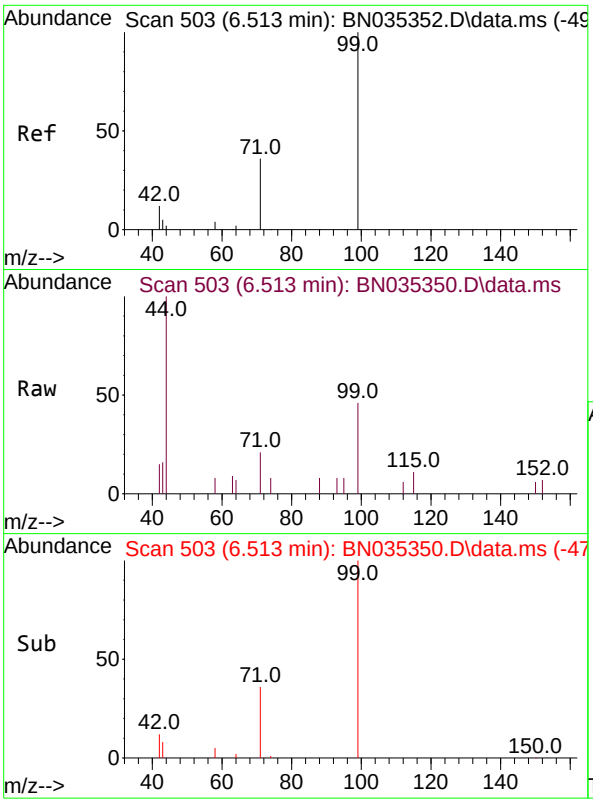


#4
2-Fluorophenol
Concen: 0.101 ng
RT: 4.968 min Scan# 289
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Tgt Ion:112 Resp: 573

Ion	Ratio	Lower	Upper
112	100		
64	52.0	39.8	59.8
63	28.8	21.0	31.6

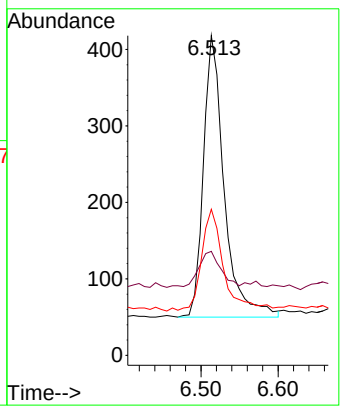




#5
Phenol-d6
Concen: 0.096 ng
RT: 6.513 min Scan# 5(
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Tgt Ion: 99 Resp: 68(

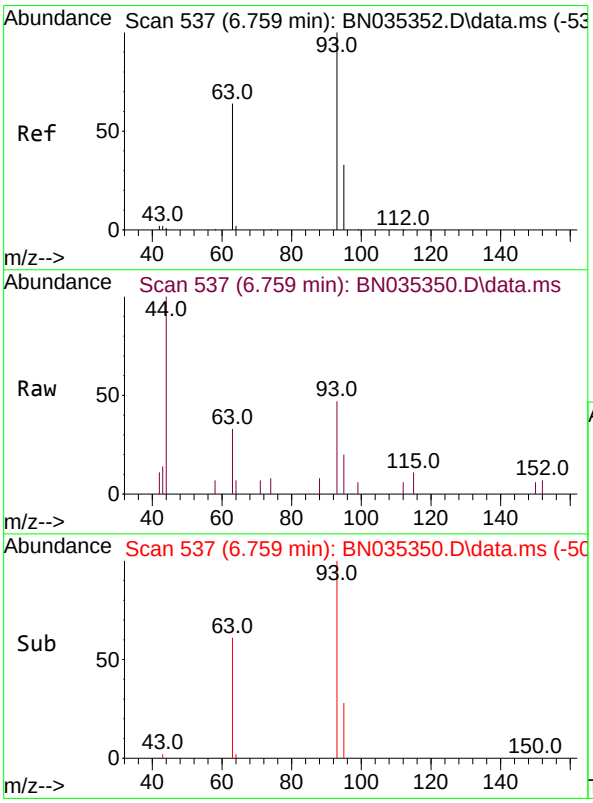
Ion	Ratio	Lower	Upper
99	100		
42	13.7	11.4	17.2
71	38.9	29.3	43.9



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Manual Integrations
APPROVED

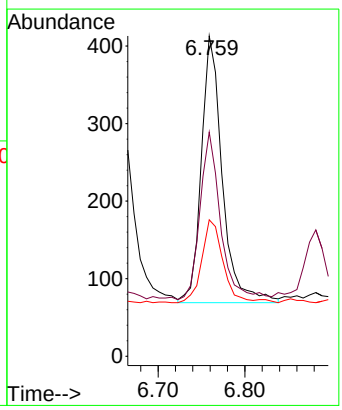
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 12/03/2024

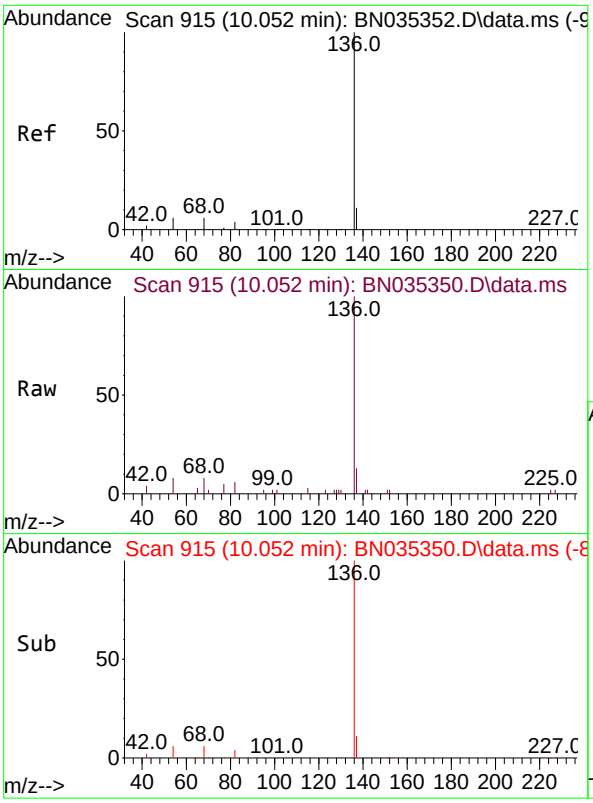


#6
bis(2-Chloroethyl)ether
Concen: 0.108 ng
RT: 6.759 min Scan# 537
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Tgt Ion: 93 Resp: 579

Ion	Ratio	Lower	Upper
93	100		
63	61.7	50.4	75.6
95	31.3	25.7	38.5

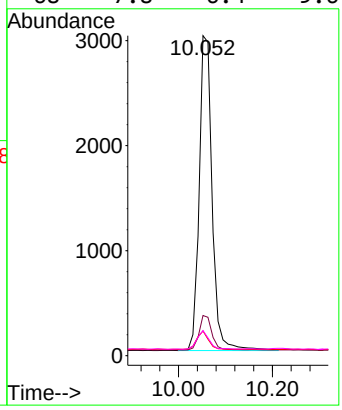




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.052 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Tgt Ion:136 Resp: 575

Ion	Ratio	Lower	Upper
136	100		
137	12.6	10.2	15.2
54	7.7	6.1	9.1
68	7.8	6.4	9.6



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

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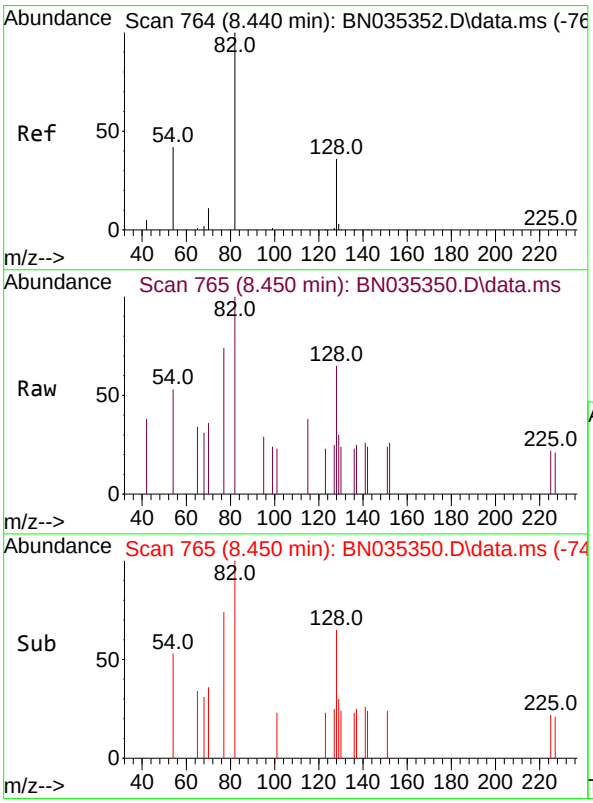
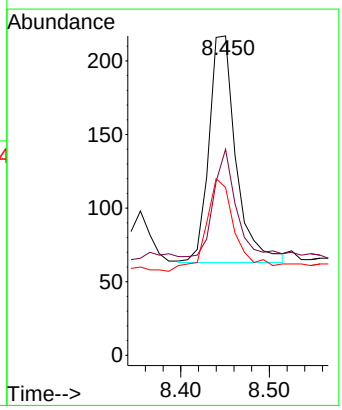
Supervised By :mohammad ahmed 12/03/2024

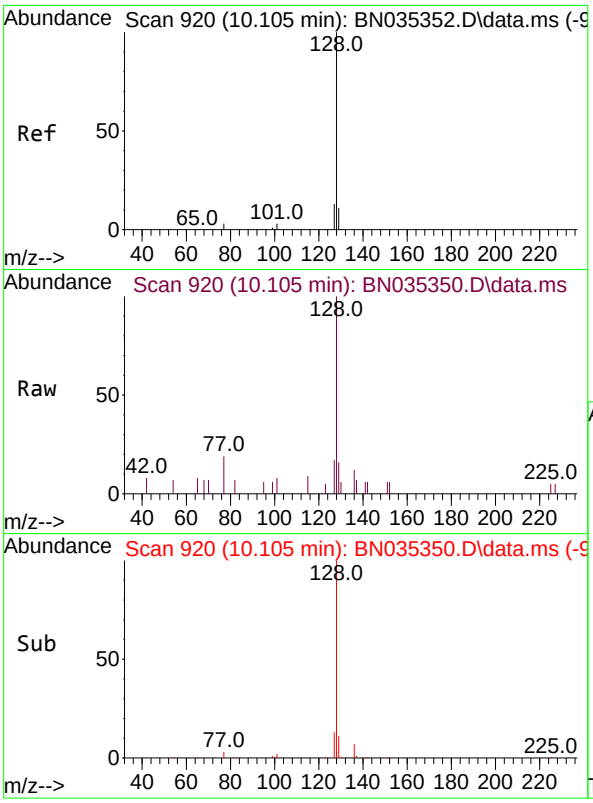


#8
Nitrobenzene-d5
Concen: 0.065 ng m
RT: 8.450 min Scan# 765
Delta R.T. 0.011 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Tgt Ion: 82 Resp: 327

Ion	Ratio	Lower	Upper
82	100		
128	64.5	33.4	50.0#
54	52.5	36.7	55.1

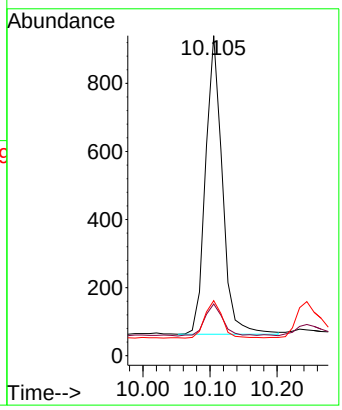




#9
Naphthalene
Concen: 0.102 ng
RT: 10.105 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Tgt Ion:128 Resp: 152

Ion	Ratio	Lower	Upper
128	100		
129	16.2	9.8	14.6#
127	17.2	11.4	17.2#



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

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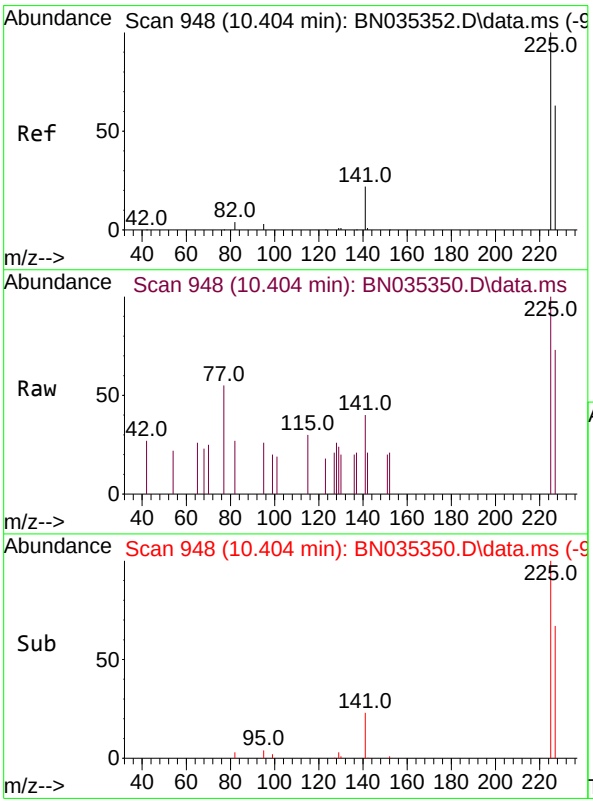
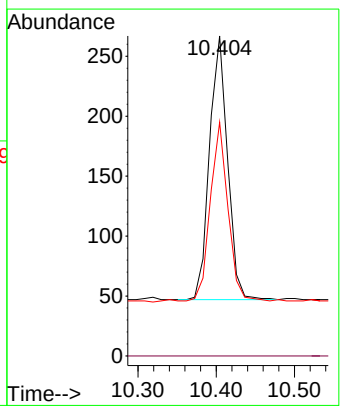
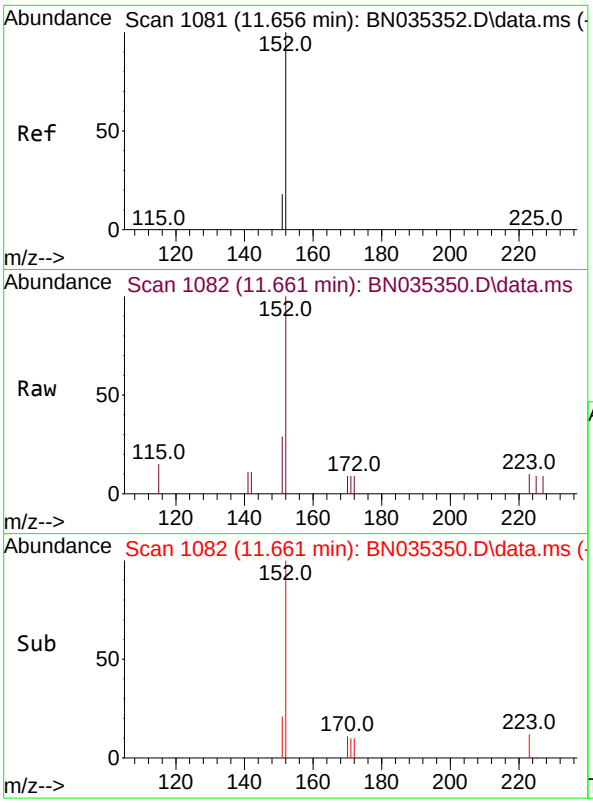


#10
Hexachlorobutadiene
Concen: 0.080 ng
RT: 10.404 min Scan# 948
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Tgt Ion:225 Resp: 352

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	66.2	51.3	76.9

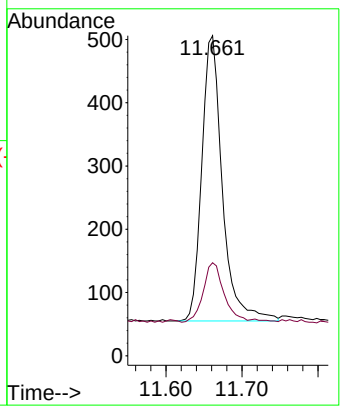




#11
2-Methylnaphthalene-d10
Concen: 0.083 ng
RT: 11.661 min Scan# 1(
Delta R.T. 0.005 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Tgt Ion:152 Resp: 85(

Ion	Ratio	Lower	Upper
152	100		
151	21.1	16.6	25.0



Instrument :
BNA_N
ClientSampleId :
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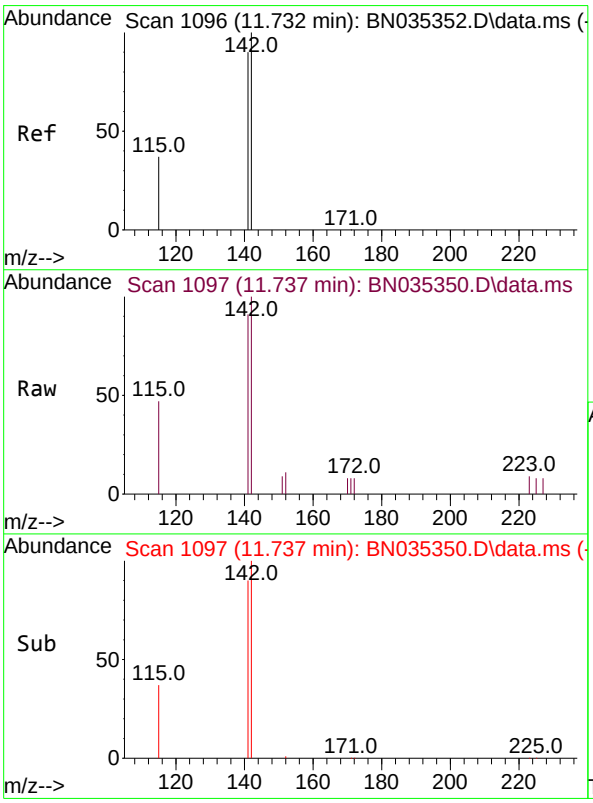
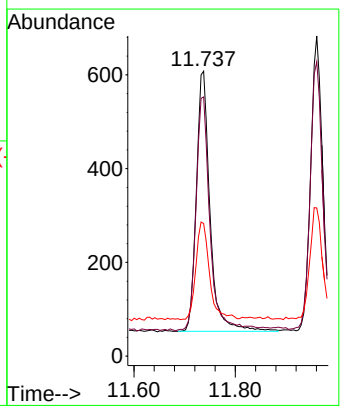
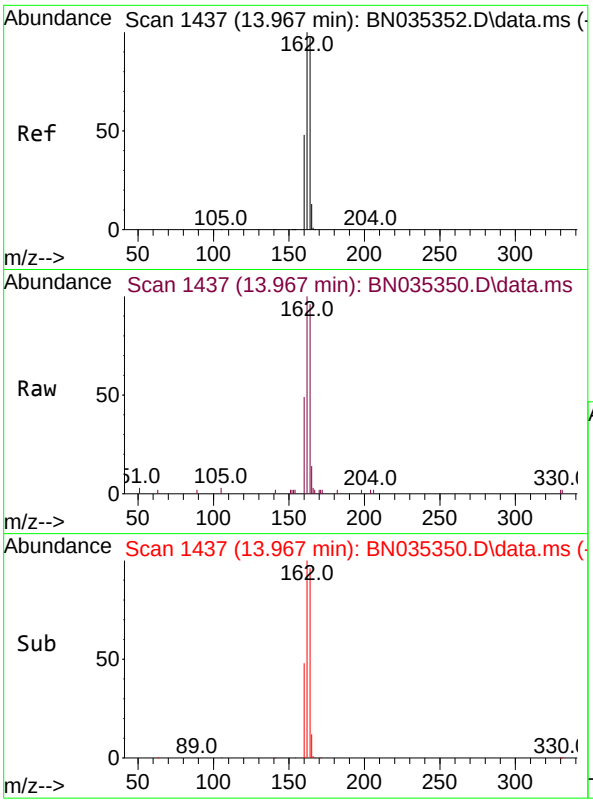


#12
2-Methylnaphthalene
Concen: 0.094 ng
RT: 11.737 min Scan# 1097
Delta R.T. 0.005 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Tgt Ion:142 Resp: 1042

Ion	Ratio	Lower	Upper
142	100		
141	91.0	72.2	108.4
115	46.5	31.4	47.0

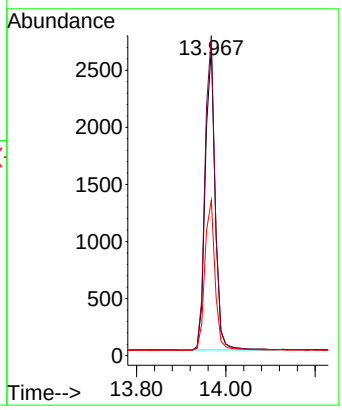




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.967 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Tgt Ion:164 Resp: 407

Ion	Ratio	Lower	Upper
164	100		
162	103.9	82.2	123.2
160	50.4	40.1	60.1



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

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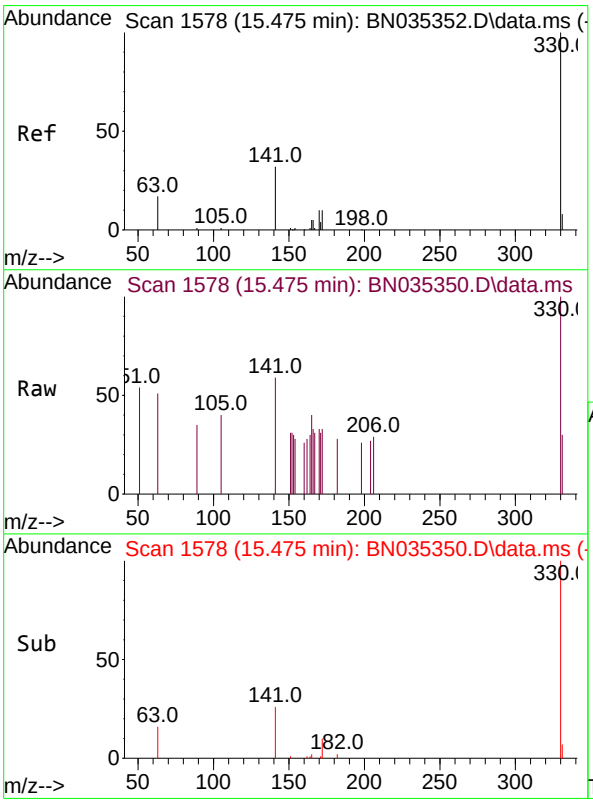
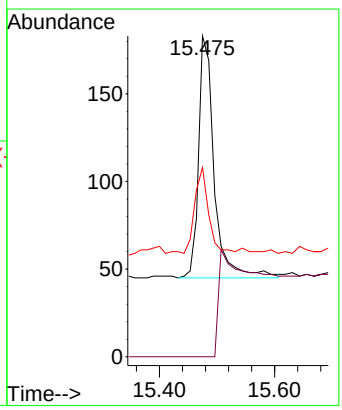
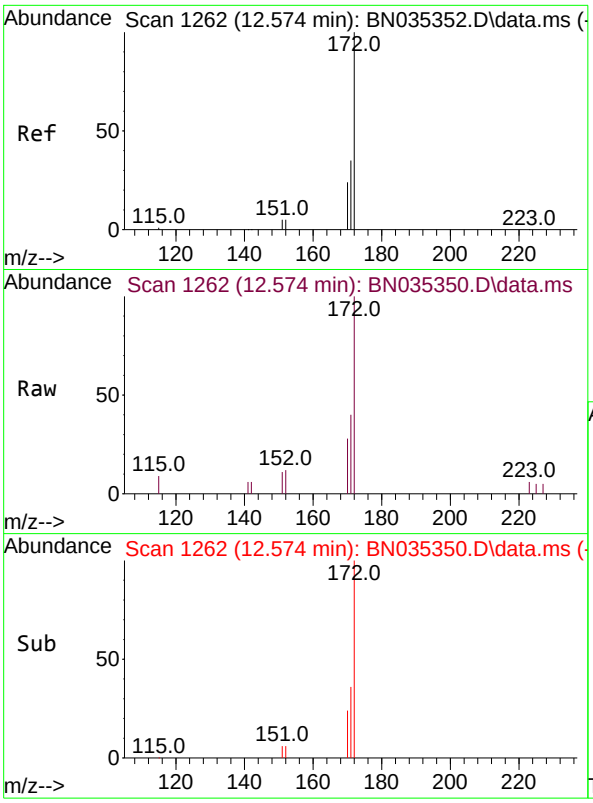


#14
2,4,6-Tribromophenol
Concen: 0.095 ng
RT: 15.475 min Scan# 1578
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Tgt Ion:330 Resp: 278

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	29.1	26.6	40.0

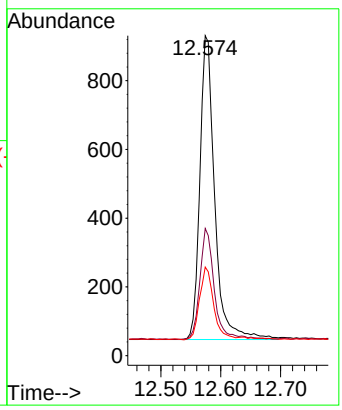




#15
2-Fluorobiphenyl
Concen: 0.092 ng
RT: 12.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Tgt Ion:172 Resp: 151

Ion	Ratio	Lower	Upper
172	100		
171	39.7	29.0	43.4
170	27.7	19.8	29.8



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

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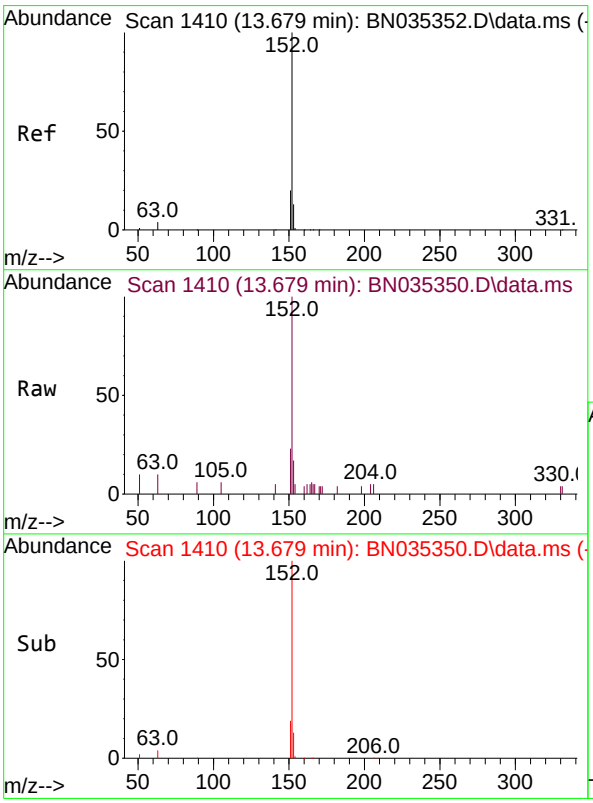
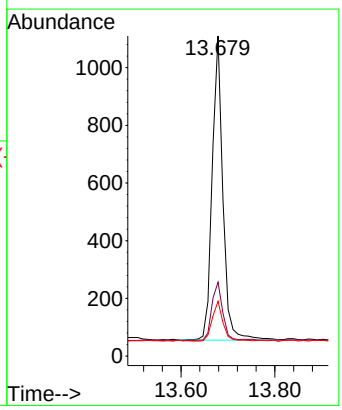
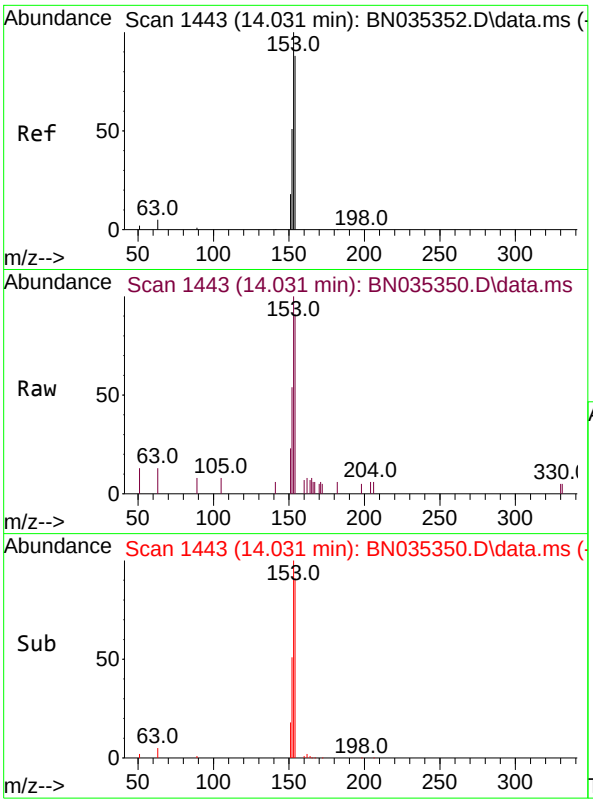


#16
Acenaphthylene
Concen: 0.096 ng
RT: 13.679 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Tgt Ion:152 Resp: 1675

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.2	24.2
153	13.1	10.4	15.6

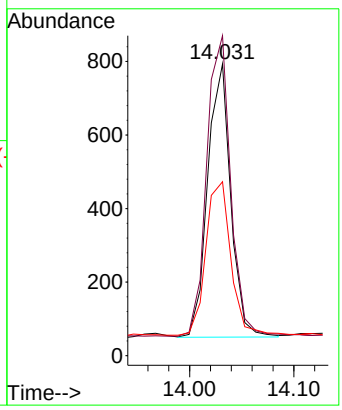




#17
Acenaphthene
Concen: 0.100 ng
RT: 14.031 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Tgt Ion:154 Resp: 114

Ion	Ratio	Lower	Upper
154	100		
153	115.0	92.6	139.0
152	60.9	49.0	73.6



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

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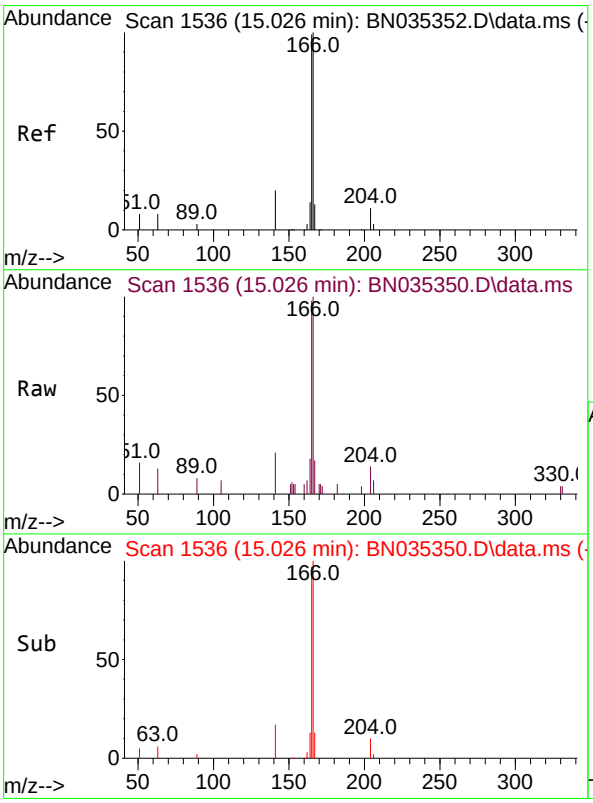
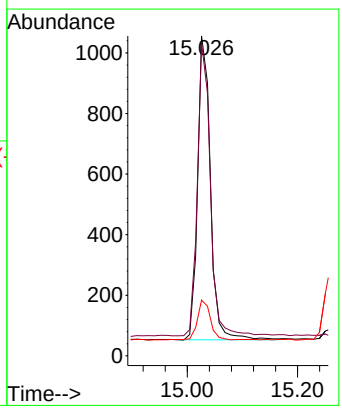
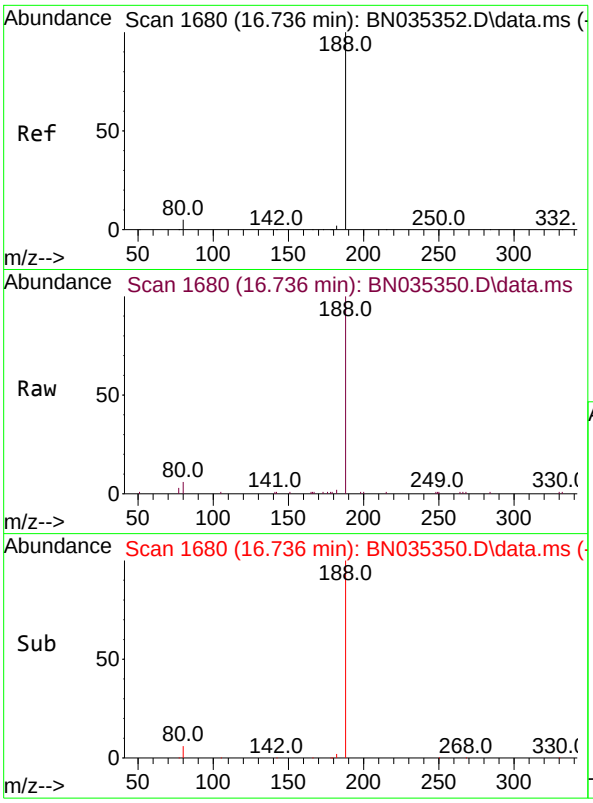


#18
Fluorene
Concen: 0.096 ng
RT: 15.026 min Scan# 1536
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Tgt Ion:166 Resp: 1620

Ion	Ratio	Lower	Upper
166	100		
165	97.7	79.7	119.5
167	13.1	10.8	16.2

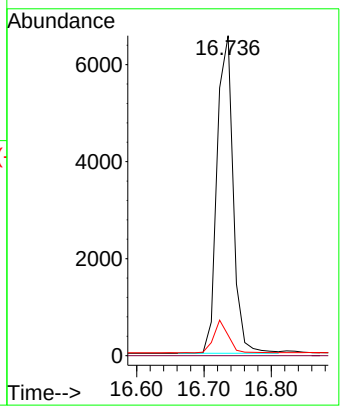




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.736 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Tgt Ion:188 Resp: 1085

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.4	4.6	6.8



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

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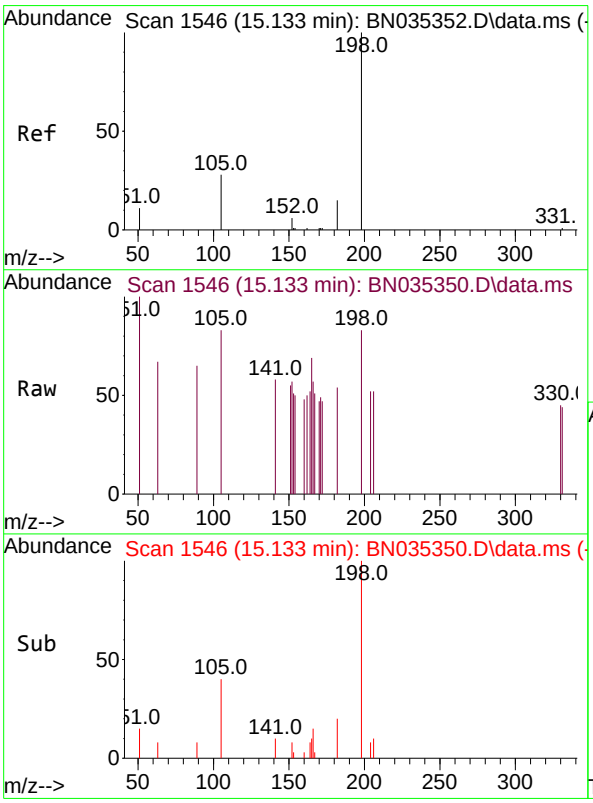
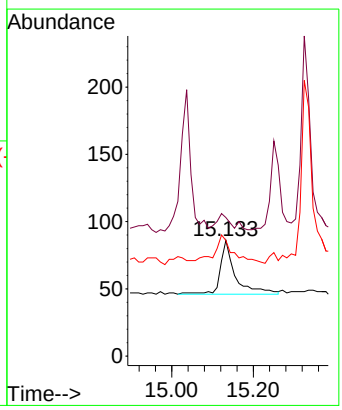
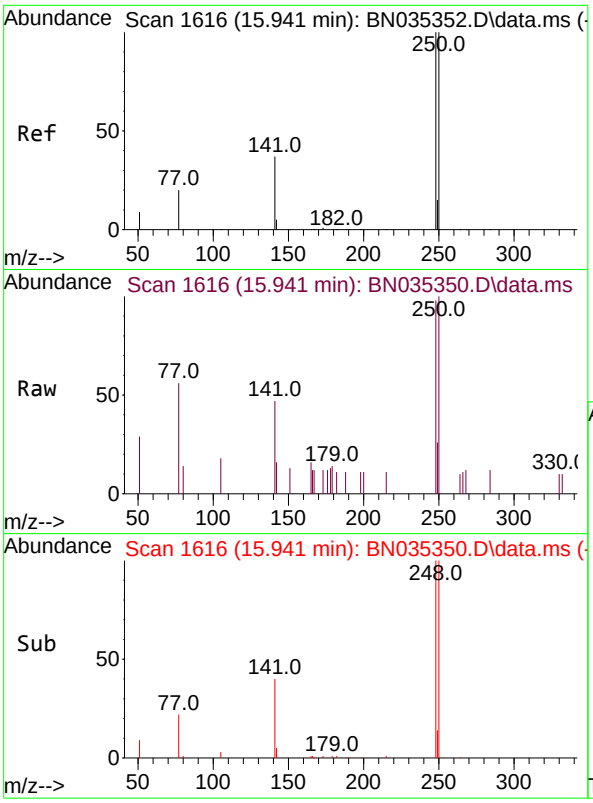


#20
4,6-Dinitro-2-methylphenol
Concen: 0.046 ng
RT: 15.133 min Scan# 1546
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Tgt Ion:198 Resp: 103

Ion	Ratio	Lower	Upper
198	100		
51	119.8	46.5	69.7#
105	100.0	45.3	67.9#

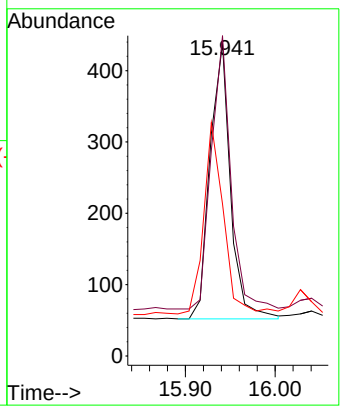




#21
4-Bromophenyl-phenylether
Concen: 0.088 ng
RT: 15.941 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Tgt Ion:248 Resp: 61

Ion	Ratio	Lower	Upper
248	100		
250	102.5	80.6	120.8
141	48.6	31.5	47.3



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

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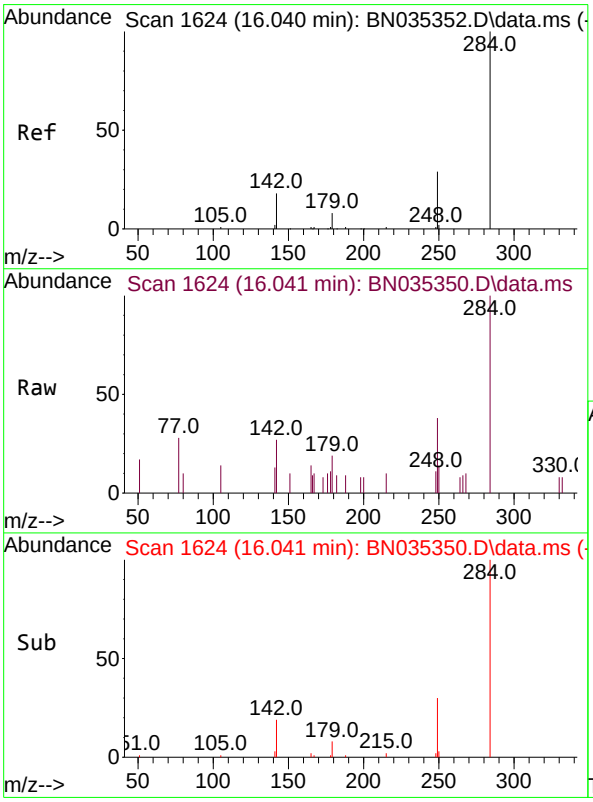
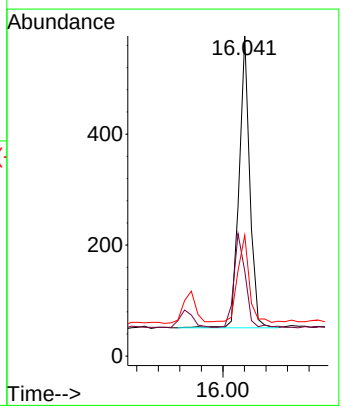
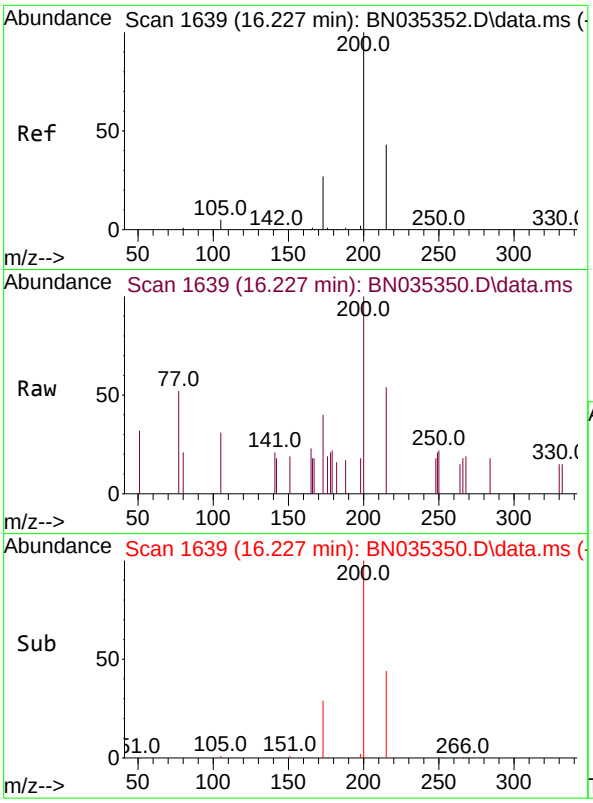


#22
Hexachlorobenzene
Concen: 0.100 ng
RT: 16.041 min Scan# 1624
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Tgt Ion:284 Resp: 720

Ion	Ratio	Lower	Upper
284	100		
142	35.4	26.7	40.1
249	32.2	24.6	36.8

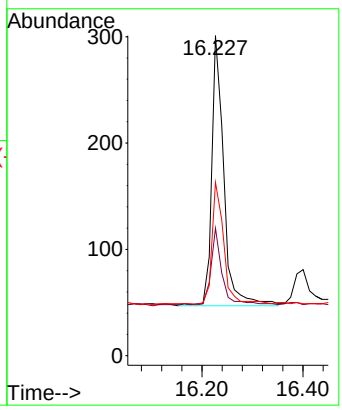




#23
Atrazine
Concen: 0.068 ng
RT: 16.227 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Tgt Ion:200 Resp: 42

Ion	Ratio	Lower	Upper
200	100		
173	39.9	24.1	36.1
215	54.2	36.9	55.3



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

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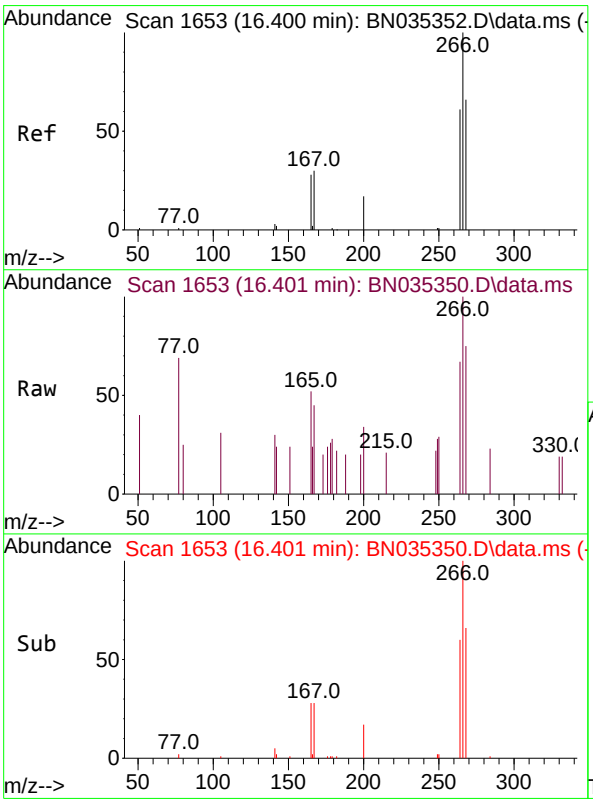
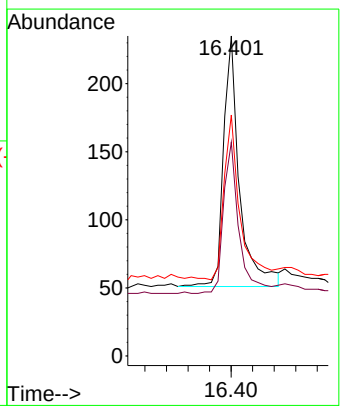
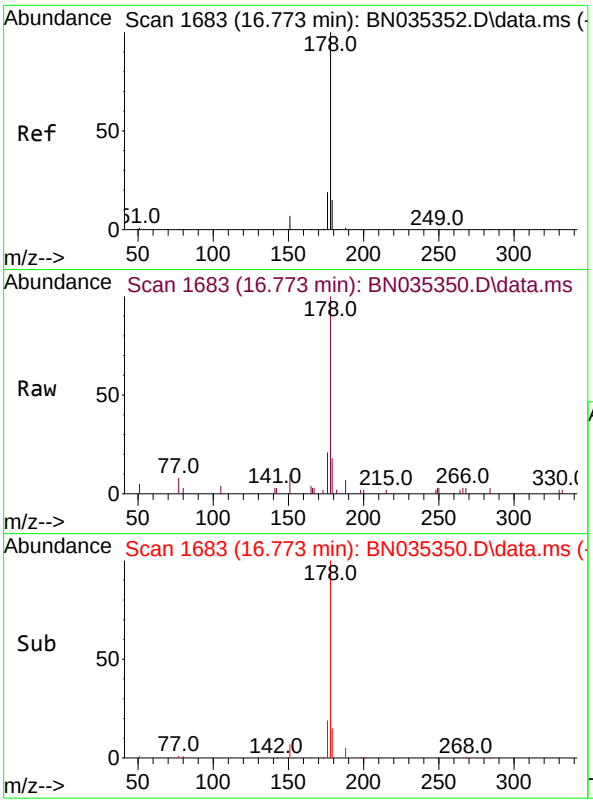


#24
Pentachlorophenol
Concen: 0.114 ng
RT: 16.401 min Scan# 1653
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Tgt Ion:266 Resp: 381

Ion	Ratio	Lower	Upper
266	100		
264	58.3	42.3	63.5
268	63.3	43.3	64.9

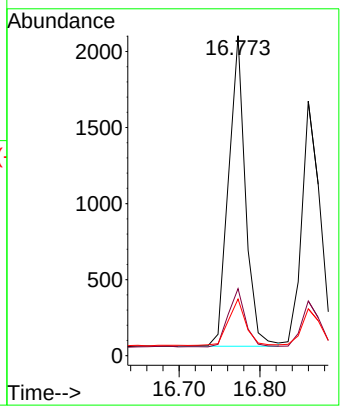




#25
Phenanthrene
Concen: 0.104 ng
RT: 16.773 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Tgt Ion:178 Resp: 296

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.2
179	15.6	12.3	18.5



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

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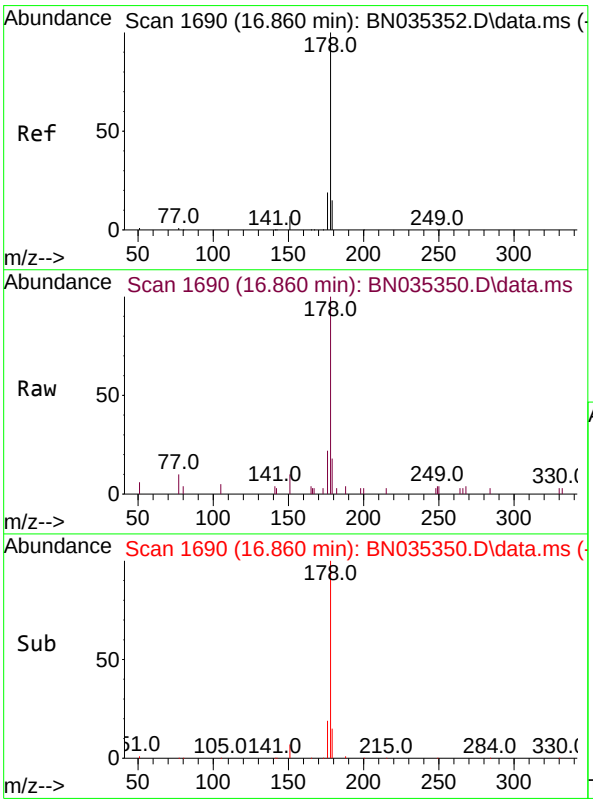
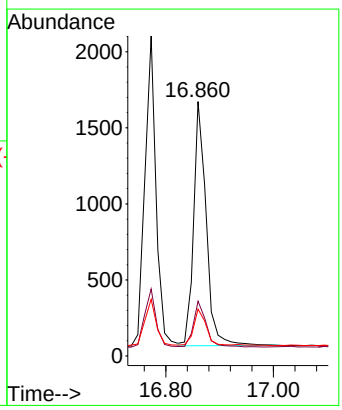
Supervised By :mohammad ahmed 12/03/2024

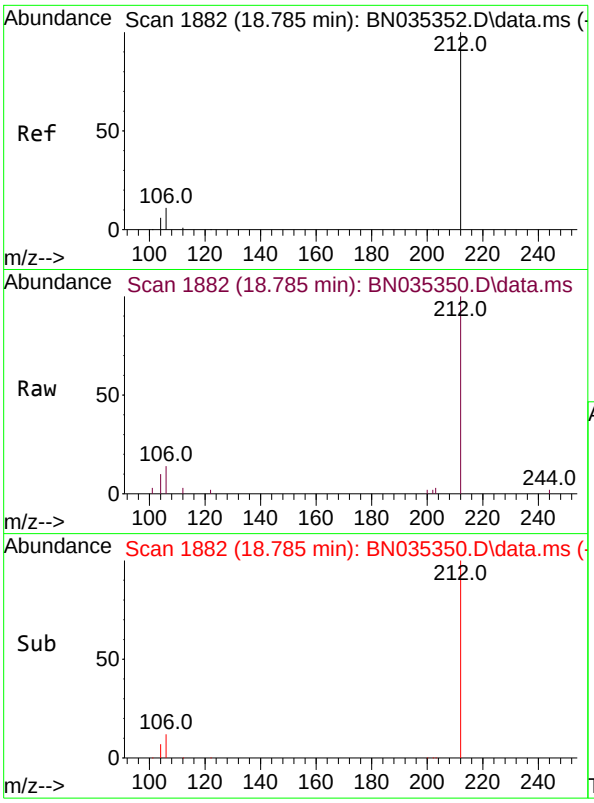


#26
Anthracene
Concen: 0.100 ng
RT: 16.860 min Scan# 1690
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Tgt Ion:178 Resp: 2617

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.6
179	14.3	12.6	18.8

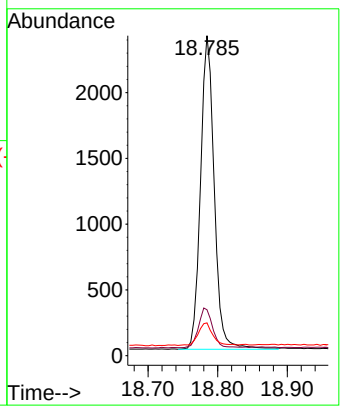




#27
Fluoranthene-d10
Concen: 0.098 ng
RT: 18.785 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Tgt Ion:212 Resp: 326

Ion	Ratio	Lower	Upper
212	100		
106	12.8	9.2	13.8
104	7.6	5.3	7.9



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

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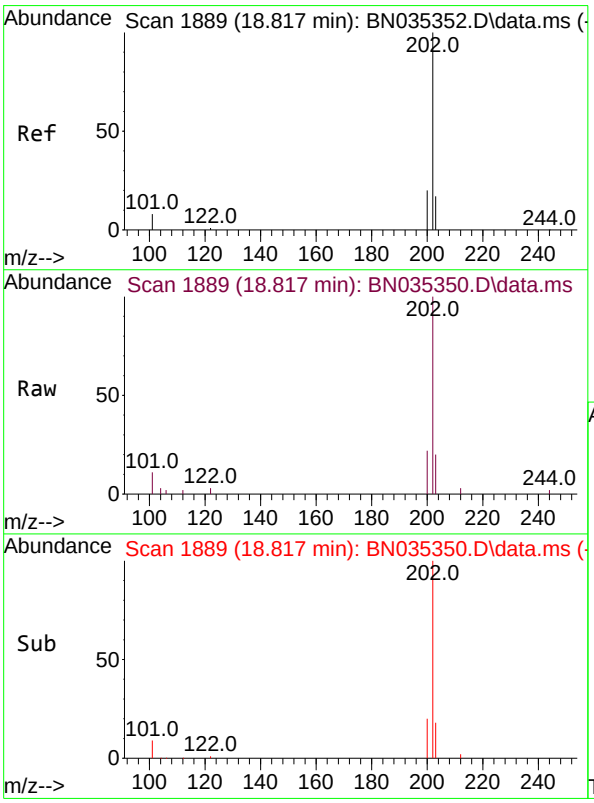
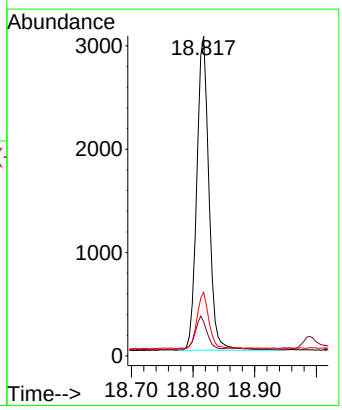
Supervised By :mohammad ahmed 12/03/2024

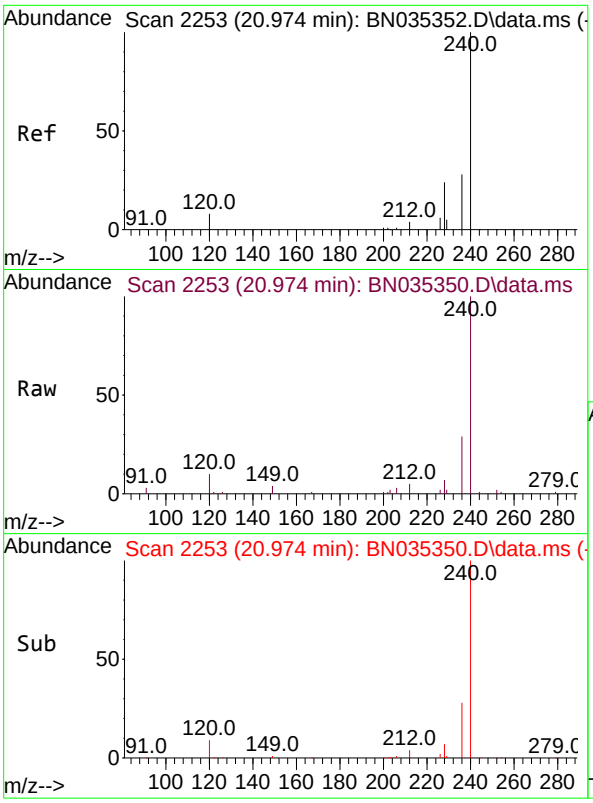


#28
Fluoranthene
Concen: 0.106 ng
RT: 18.817 min Scan# 1889
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Tgt Ion:202 Resp: 4173

Ion	Ratio	Lower	Upper
202	100		
101	10.2	7.4	11.0
203	17.3	13.7	20.5

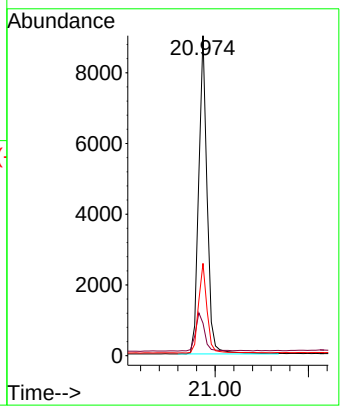




#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.974 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Tgt Ion:240 Resp: 1126

Ion	Ratio	Lower	Upper
240	100		
120	10.1	7.9	11.9
236	28.8	22.9	34.3



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

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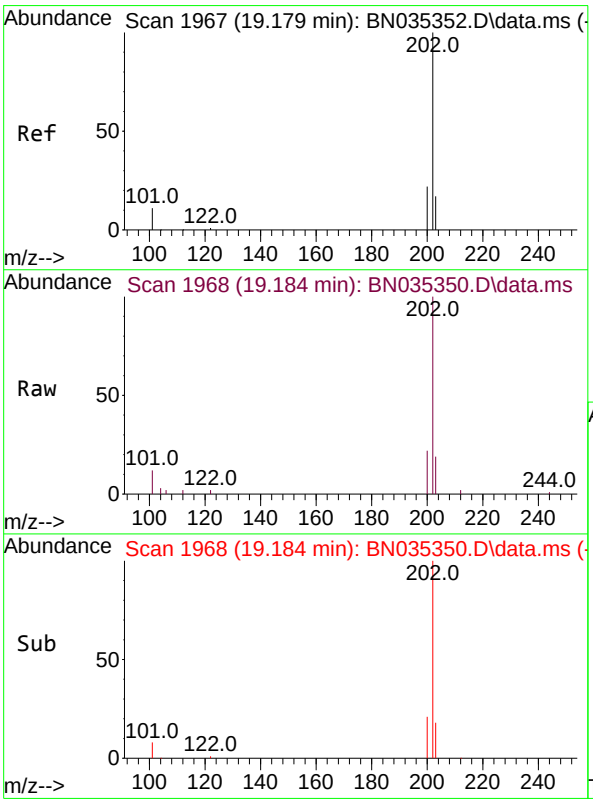
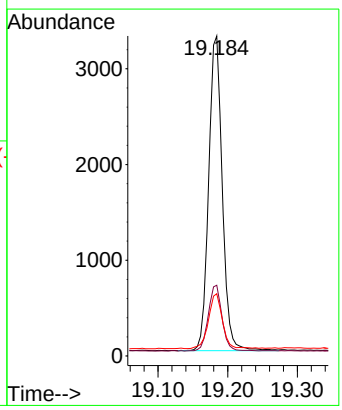
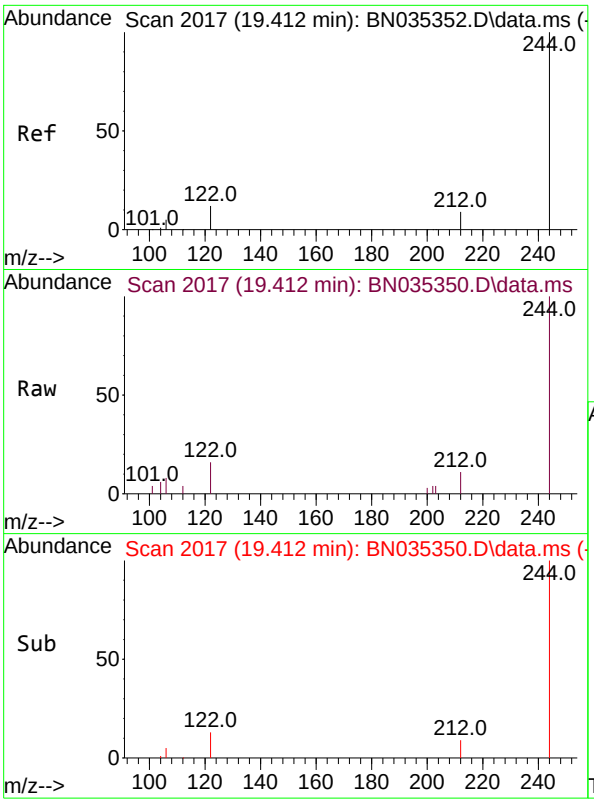


#30
Pyrene
Concen: 0.119 ng
RT: 19.184 min Scan# 1968
Delta R.T. 0.005 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Tgt Ion:202 Resp: 4461

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.0	25.4
203	18.0	14.3	21.5

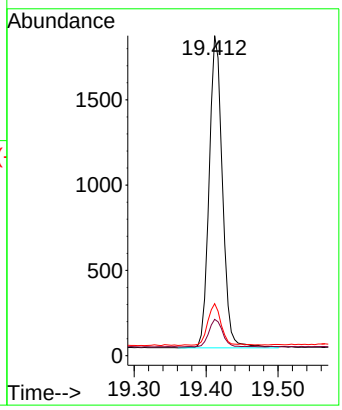




#31
Terphenyl-d14
Concen: 0.099 ng
RT: 19.412 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Tgt Ion:244 Resp: 234

Ion	Ratio	Lower	Upper
244	100		
212	11.4	8.1	12.1
122	16.3	10.3	15.5



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

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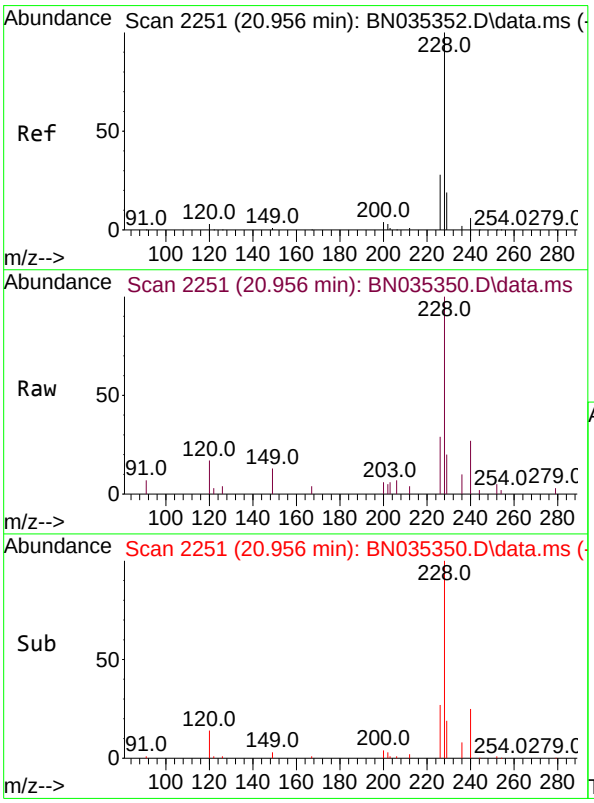
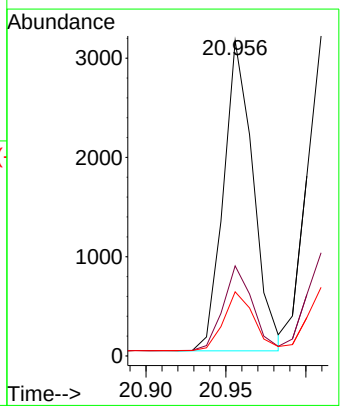
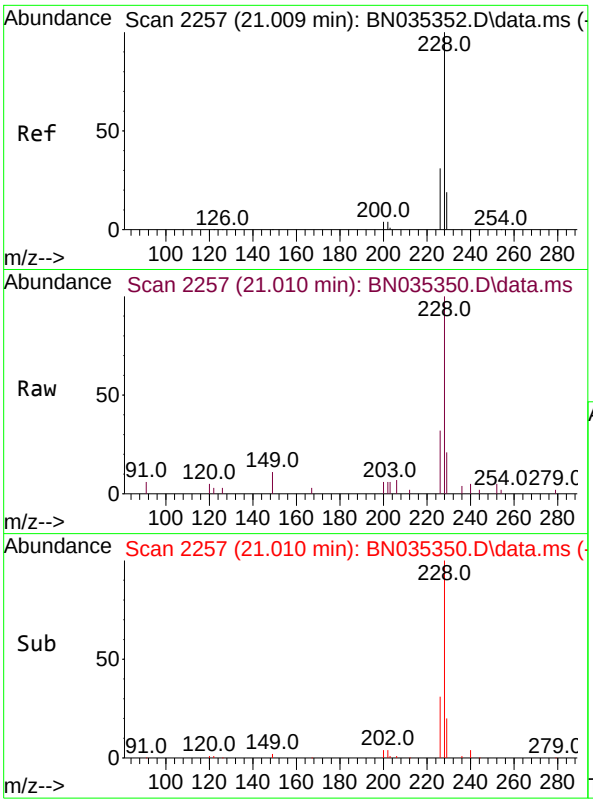


#32
Benzo(a)anthracene
Concen: 0.103 ng
RT: 20.956 min Scan# 2251
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Tgt Ion:228 Resp: 4031

Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.5	33.7
229	20.4	15.8	23.8

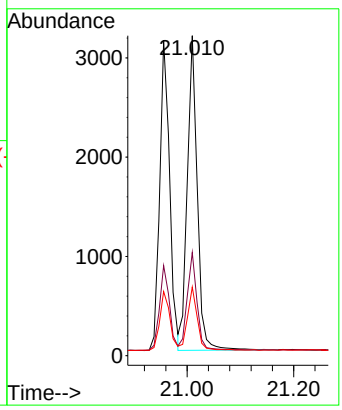




#33
Chrysene
Concen: 0.106 ng
RT: 21.010 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Tgt Ion:228 Resp: 412

Ion	Ratio	Lower	Upper
228	100		
226	32.3	24.6	37.0
229	21.5	15.9	23.9



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

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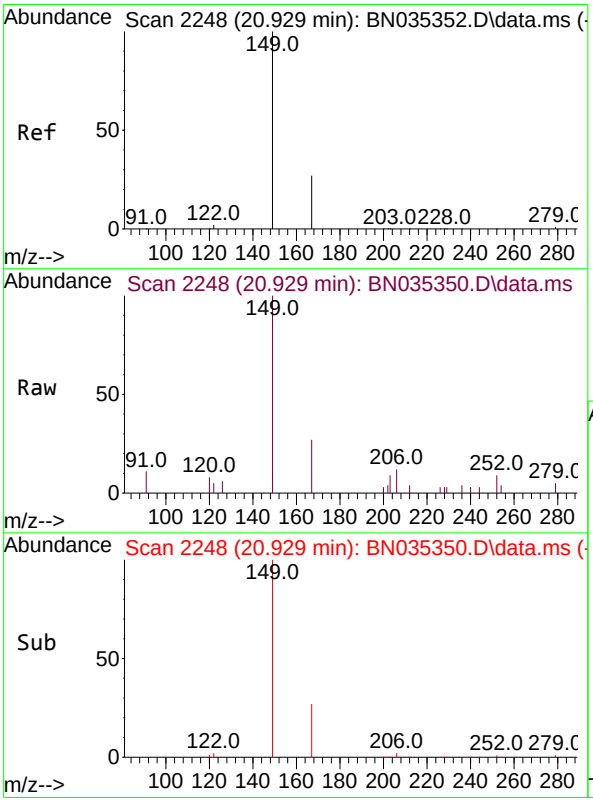
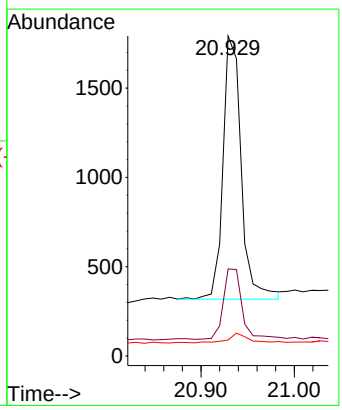
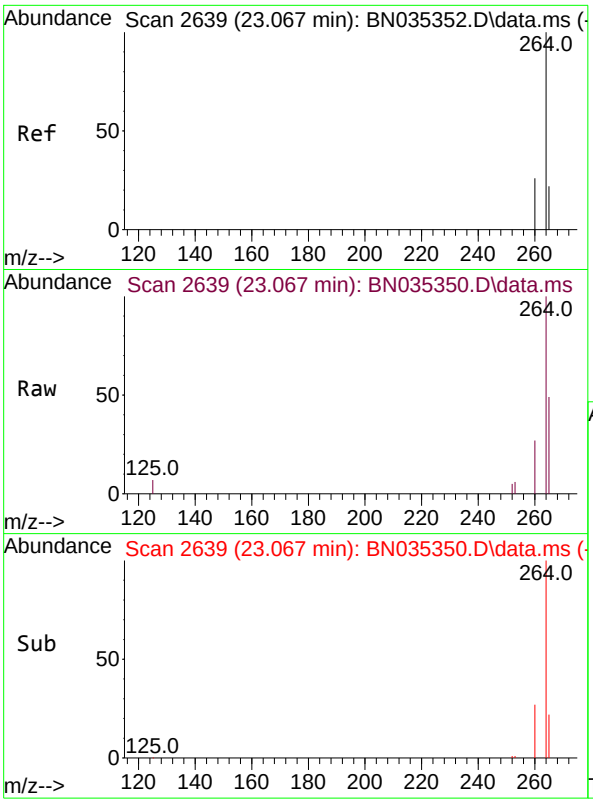


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.097 ng
RT: 20.929 min Scan# 2248
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Tgt Ion:149 Resp: 1999

Ion	Ratio	Lower	Upper
149	100		
167	27.5	22.2	33.4
279	3.6	2.7	4.1

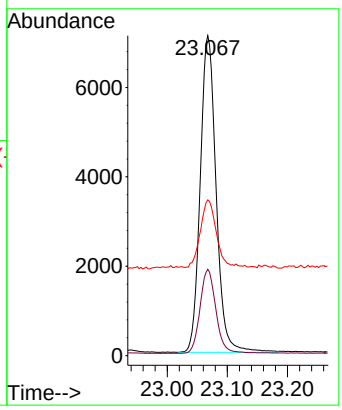




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.067 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Tgt Ion:264 Resp: 1300

Ion	Ratio	Lower	Upper
264	100		
260	27.0	21.4	32.2
265	48.7	40.2	60.4



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

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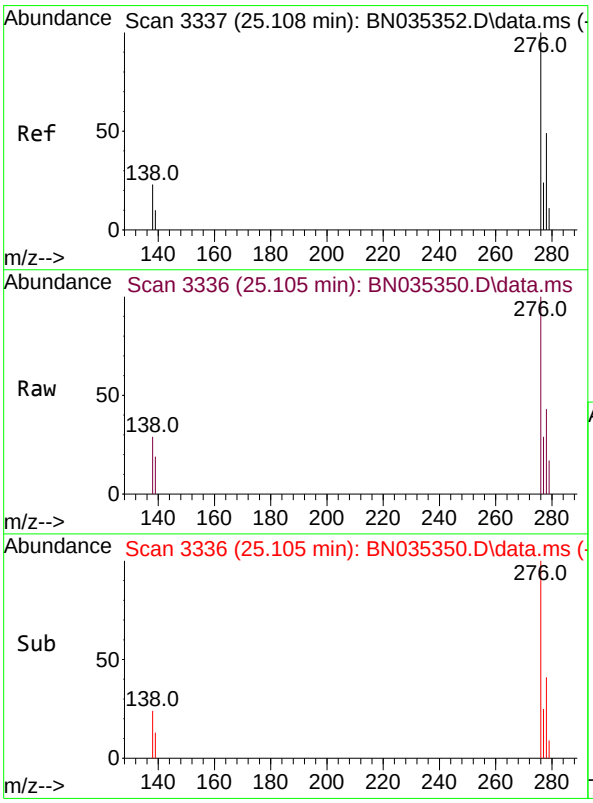
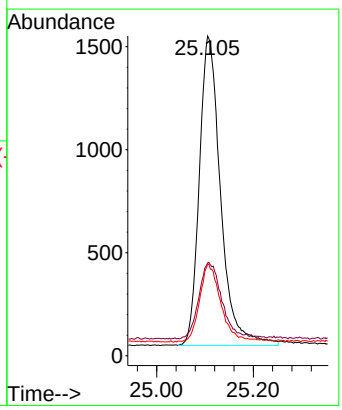
Supervised By :mohammad ahmed 12/03/2024

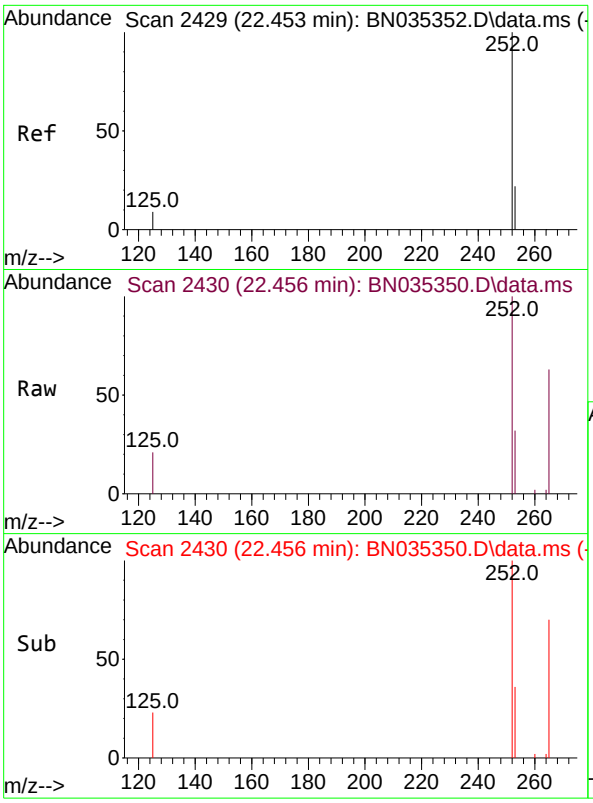


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.088 ng
RT: 25.105 min Scan# 3336
Delta R.T. -0.003 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Tgt Ion:276 Resp: 4586

Ion	Ratio	Lower	Upper
276	100		
138	26.2	19.4	29.0
277	25.6	19.8	29.6

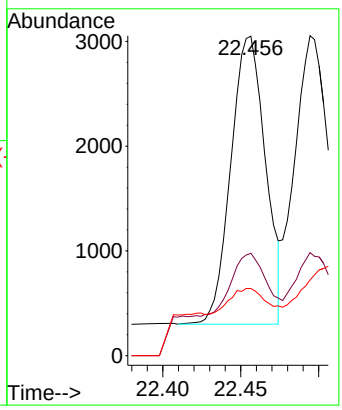




#37
Benzo(b)fluoranthene
Concen: 0.097 ng
RT: 22.456 min Scan# 24
Delta R.T. 0.003 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Tgt Ion:252 Resp: 424

Ion	Ratio	Lower	Upper
252	100		
253	32.1	19.6	29.4#
125	21.0	9.6	14.4#



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

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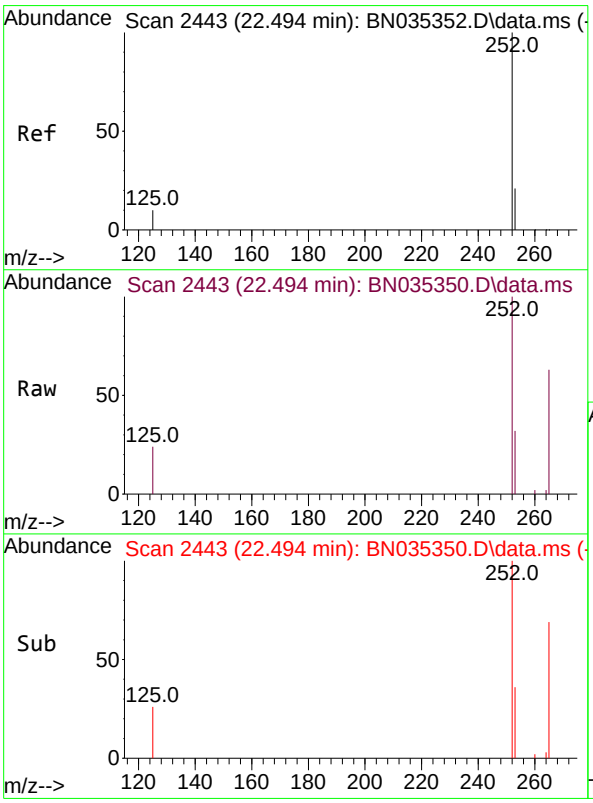
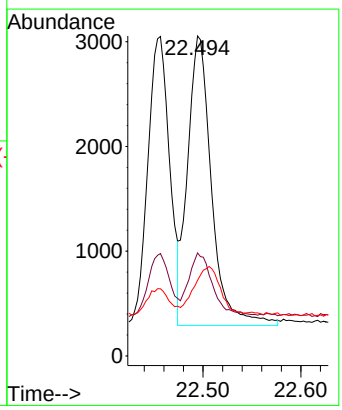
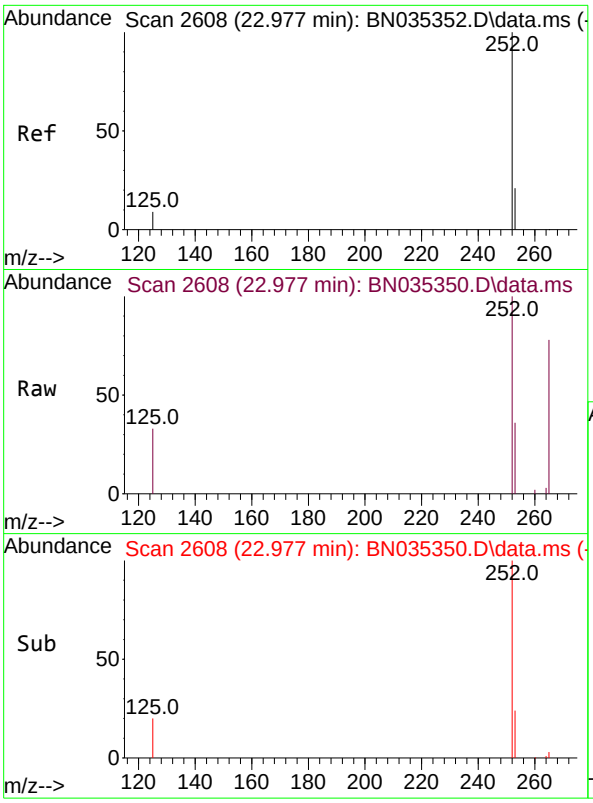


#38
Benzo(k)fluoranthene
Concen: 0.107 ng m
RT: 22.494 min Scan# 2443
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Tgt Ion:252 Resp: 4695

Ion	Ratio	Lower	Upper
252	100		
253	32.2	19.5	29.3#
125	23.7	10.2	15.4#

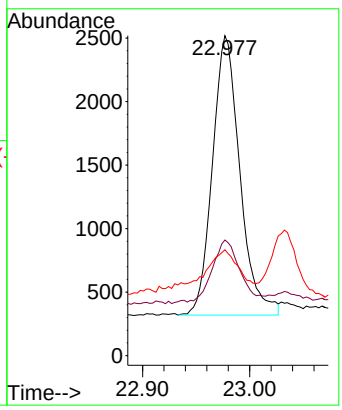




#39
Benzo(a)pyrene
Concen: 0.102 ng
RT: 22.977 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Tgt Ion:252 Resp: 391

Ion	Ratio	Lower	Upper
252	100		
253	36.1	20.2	30.4#
125	33.1	10.9	16.3#



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

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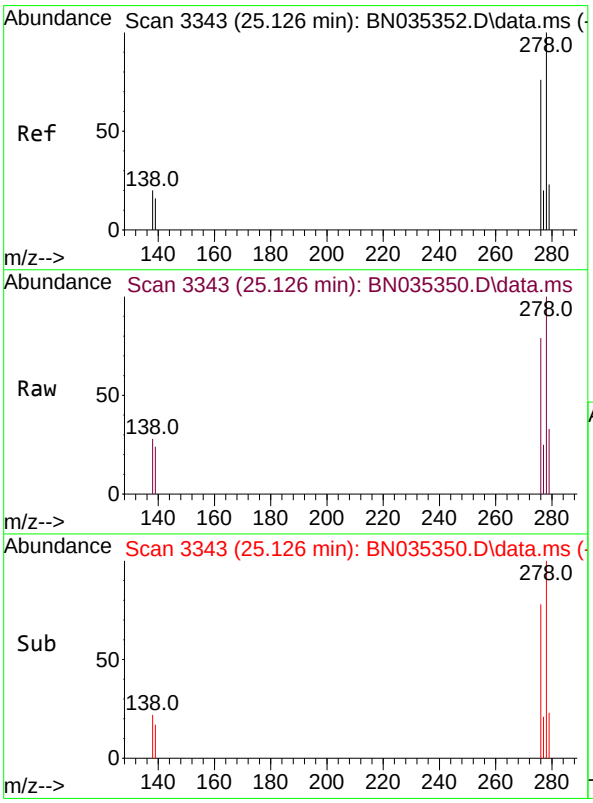
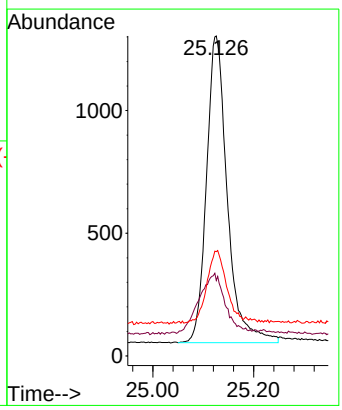
Supervised By :mohammad ahmed 12/03/2024

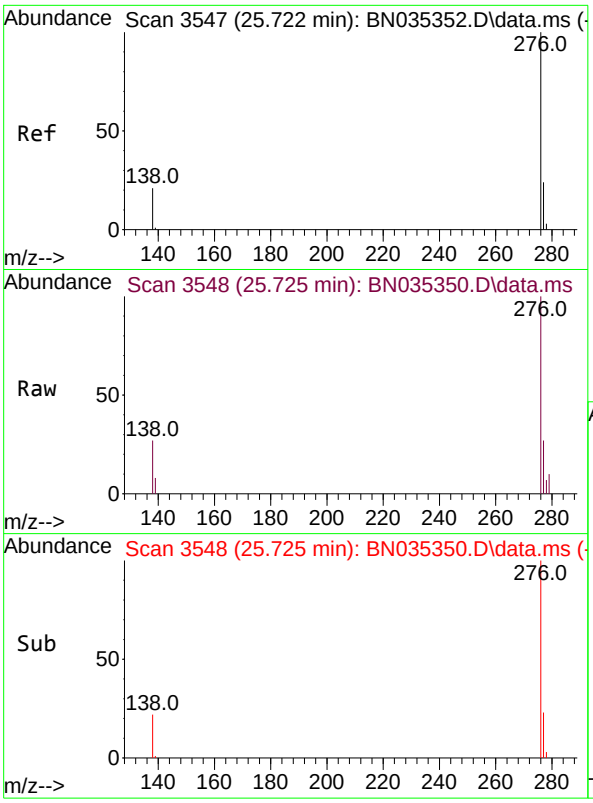


#40
Dibenzo(a,h)anthracene
Concen: 0.087 ng
RT: 25.126 min Scan# 3343
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Tgt Ion:278 Resp: 3588

Ion	Ratio	Lower	Upper
278	100		
139	23.6	14.2	21.4#
279	32.6	20.5	30.7#

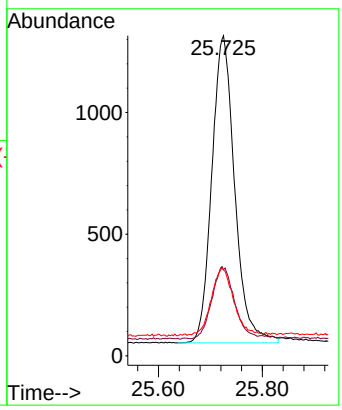




#41
Benzo(g,h,i)perylene
Concen: 0.088 ng
RT: 25.725 min Scan# 3
Delta R.T. 0.003 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Tgt Ion:276 Resp: 386

Ion	Ratio	Lower	Upper
276	100		
277	26.9	19.9	29.9
138	26.8	17.8	26.8#



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 12/03/2024

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
Data File : BN035351.D
Acq On : 27 Nov 2024 16:10
Operator : RC/JU
Sample : SSTDICC0.2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 27 22:52:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 27 22:48:24 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 12/03/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.308	152	2084	0.400	ng	0.00
7) Naphthalene-d8	10.063	136	5334	0.400	ng	# 0.01
13) Acenaphthene-d10	13.967	164	3808	0.400	ng	0.00
19) Phenanthrene-d10	16.735	188	9904	0.400	ng	0.00
29) Chrysene-d12	20.974	240	9963	0.400	ng	0.00
35) Perylene-d12	23.070	264	11158	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.968	112	1159	0.219	ng	0.00
5) Phenol-d6	6.513	99	1236	0.186	ng	0.00
8) Nitrobenzene-d5	8.450	82	618m	0.133	ng	0.01
11) 2-Methylnaphthalene-d10	11.661	152	1608	0.169	ng	0.00
14) 2,4,6-Tribromophenol	15.475	330	492	0.179	ng	0.00
15) 2-Fluorobiphenyl	12.574	172	2838	0.184	ng	0.00
27) Fluoranthene-d10	18.784	212	5379	0.177	ng	0.00
31) Terphenyl-d14	19.416	244	3871	0.185	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.003	88	435	0.230	ng	# 95
3) n-Nitrosodimethylamine	3.299	42	315	0.179	ng	# 87
6) bis(2-Chloroethyl)ether	6.759	93	1064	0.214	ng	99
9) Naphthalene	10.105	128	2744	0.197	ng	96
10) Hexachlorobutadiene	10.404	225	646	0.158	ng	# 99
12) 2-Methylnaphthalene	11.737	142	1910	0.186	ng	98
16) Acenaphthylene	13.678	152	3047	0.187	ng	99
17) Acenaphthene	14.031	154	2064	0.194	ng	99
18) Fluorene	15.026	166	2949	0.188	ng	99
20) 4,6-Dinitro-2-methylph...	15.132	198	153	0.074	ng	# 53
21) 4-Bromophenyl-phenylether	15.941	248	1081	0.171	ng	96
22) Hexachlorobenzene	16.040	284	1318	0.201	ng	98
23) Atrazine	16.227	200	770	0.136	ng	93
24) Pentachlorophenol	16.400	266	445	0.145	ng	# 84
25) Phenanthrene	16.773	178	5182	0.199	ng	99
26) Anthracene	16.860	178	4571	0.191	ng	100
28) Fluoranthene	18.817	202	6914	0.193	ng	100
30) Pyrene	19.184	202	7198	0.217	ng	100
32) Benzo(a)anthracene	20.956	228	6691	0.193	ng	99
33) Chrysene	21.009	228	7234	0.211	ng	99
34) Bis(2-ethylhexyl)phtha...	20.938	149	2779	0.153	ng	# 99
36) Indeno(1,2,3-cd)pyrene	25.108	276	8305	0.187	ng	100
37) Benzo(b)fluoranthene	22.456	252	7522	0.200	ng	# 94
38) Benzo(k)fluoranthene	22.497	252	7675m	0.204	ng	
39) Benzo(a)pyrene	22.980	252	6450	0.195	ng	# 90
40) Dibenzo(a,h)anthracene	25.128	278	6620	0.188	ng	96
41) Benzo(g,h,i)perylene	25.725	276	6908	0.184	ng	99

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

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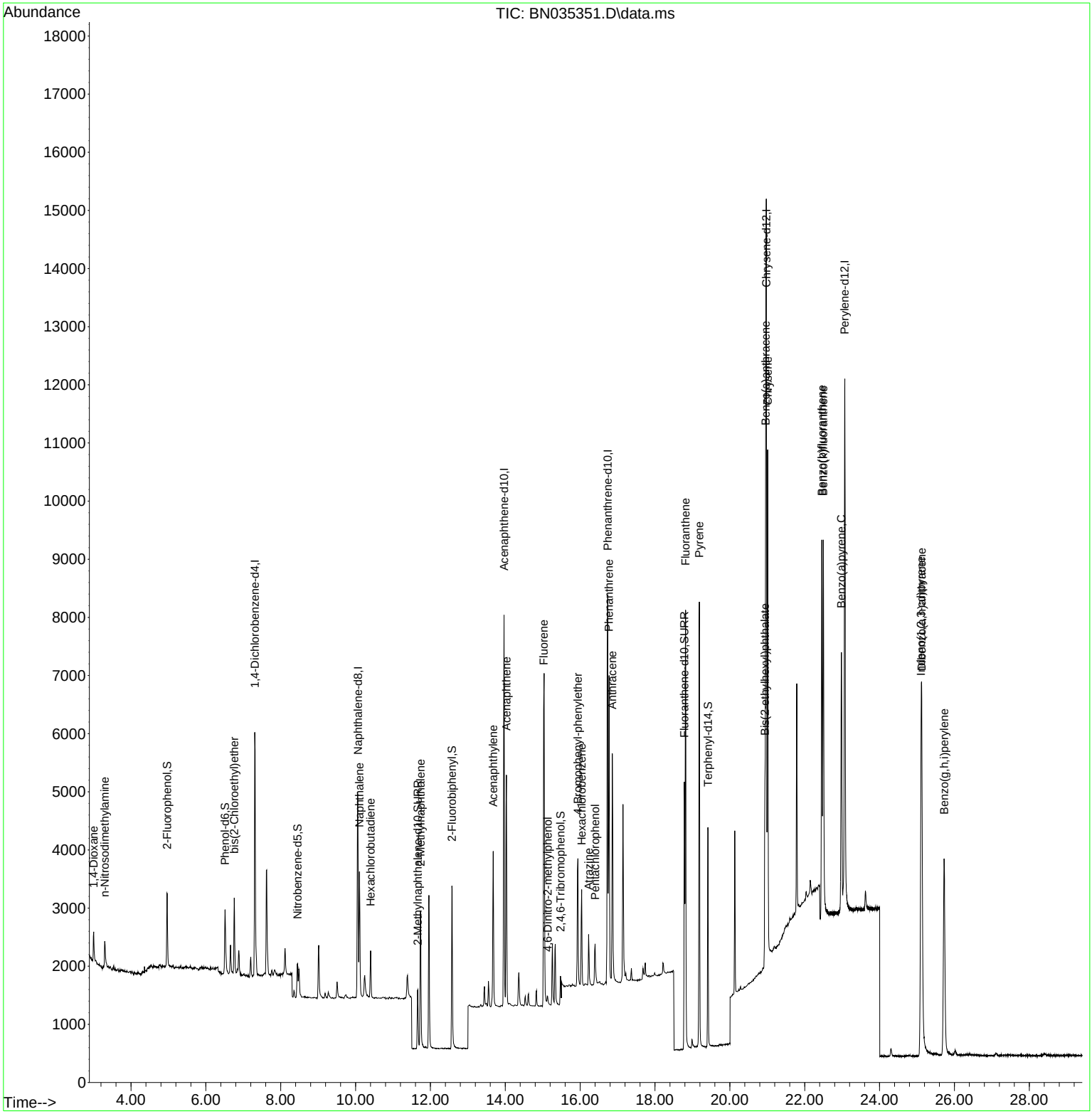
Data File : BN035351.D
Acq On : 27 Nov 2024 16:10
Operator : RC/JU
Sample : SSTDICC0.2
Misc :
ALS Vial : 3 Sample Multiplier: 1

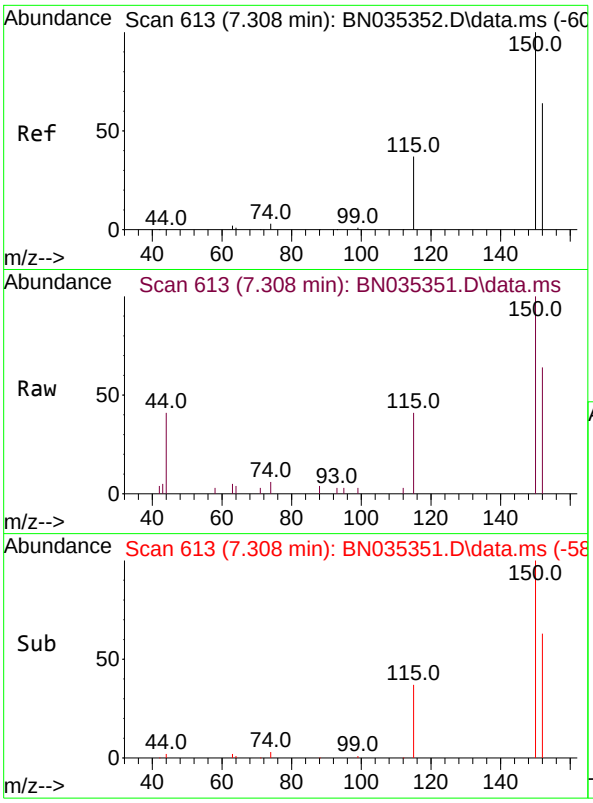
Quant Time: Nov 27 22:52:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 27 22:48:24 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 12/03/2024

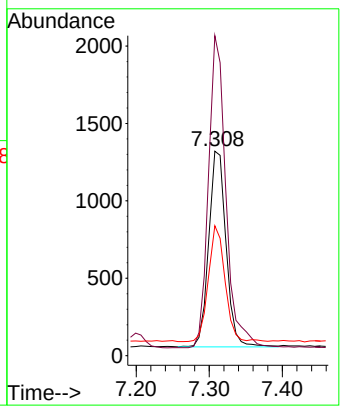




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.308 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion:152 Resp: 208

Ion	Ratio	Lower	Upper
152	100		
150	156.5	124.0	186.0
115	63.5	49.6	74.4



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

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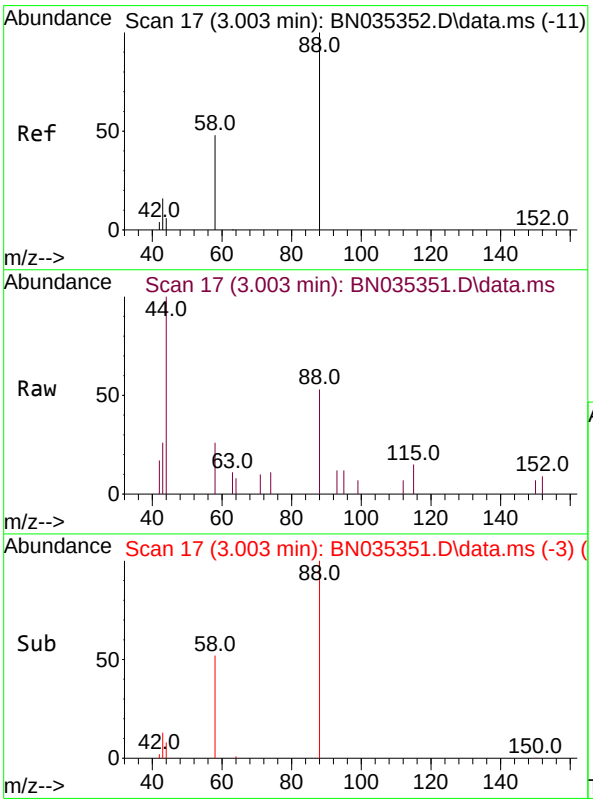
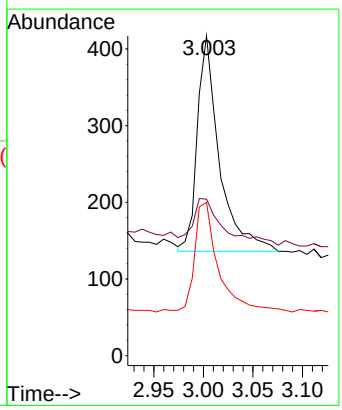
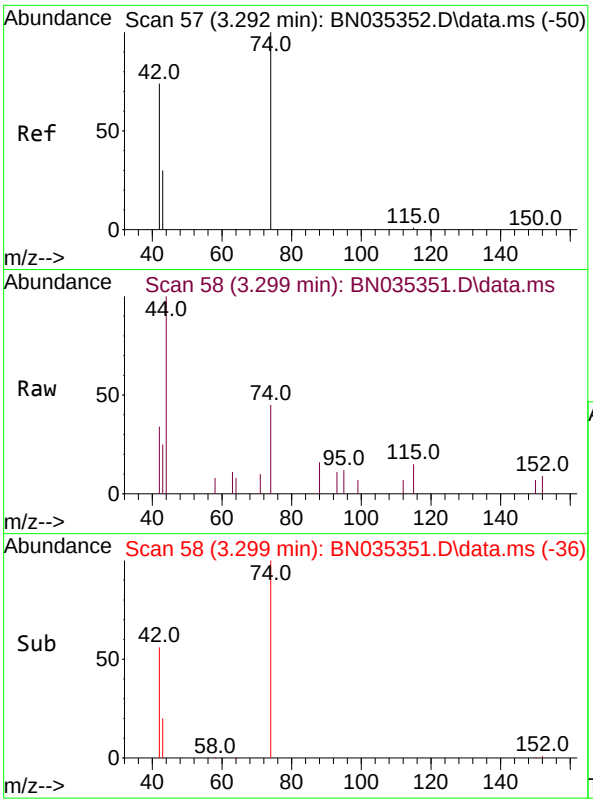


#2
1,4-Dioxane
Concen: 0.230 ng
RT: 3.003 min Scan# 17
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion: 88 Resp: 435

Ion	Ratio	Lower	Upper
88	100		
43	29.9	17.2	25.8#
58	55.2	44.5	66.7

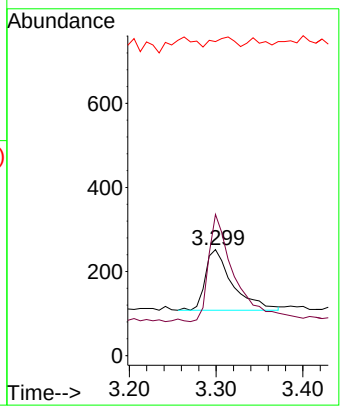




#3
n-Nitrosodimethylamine
Concen: 0.179 ng
RT: 3.299 min Scan# 5
Delta R.T. 0.007 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion: 42 Resp: 31

Ion	Ratio	Lower	Upper
42	100		
74	172.4	124.9	187.3
44	16.2	2.2	3.4



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

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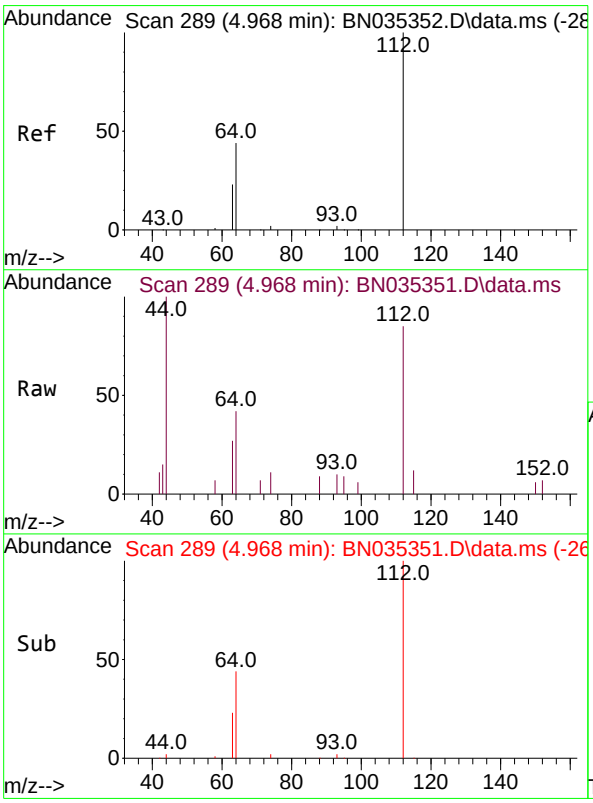
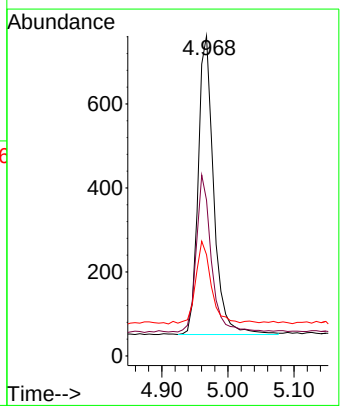
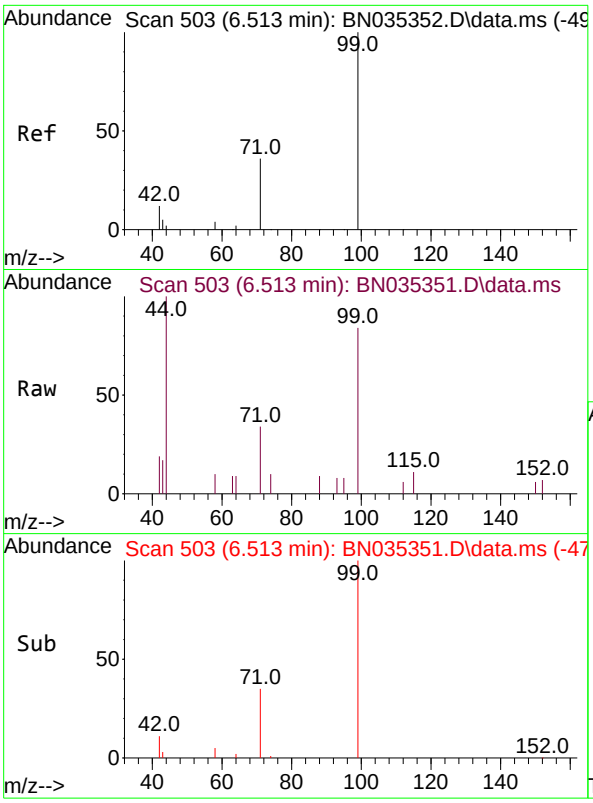


#4
2-Fluorophenol
Concen: 0.219 ng
RT: 4.968 min Scan# 289
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion:112 Resp: 1159

Ion	Ratio	Lower	Upper
112	100		
64	51.2	39.8	59.8
63	27.9	21.0	31.6

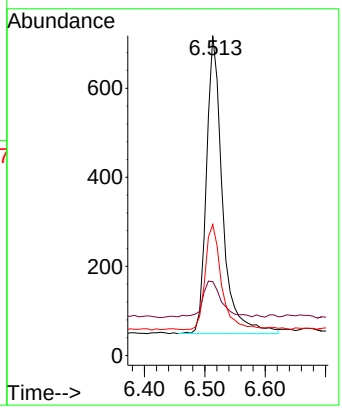




#5
Phenol-d6
Concen: 0.186 ng
RT: 6.513 min Scan# 5(
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion: 99 Resp: 123(

Ion	Ratio	Lower	Upper
99	100		
42	15.0	11.4	17.2
71	35.8	29.3	43.9



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

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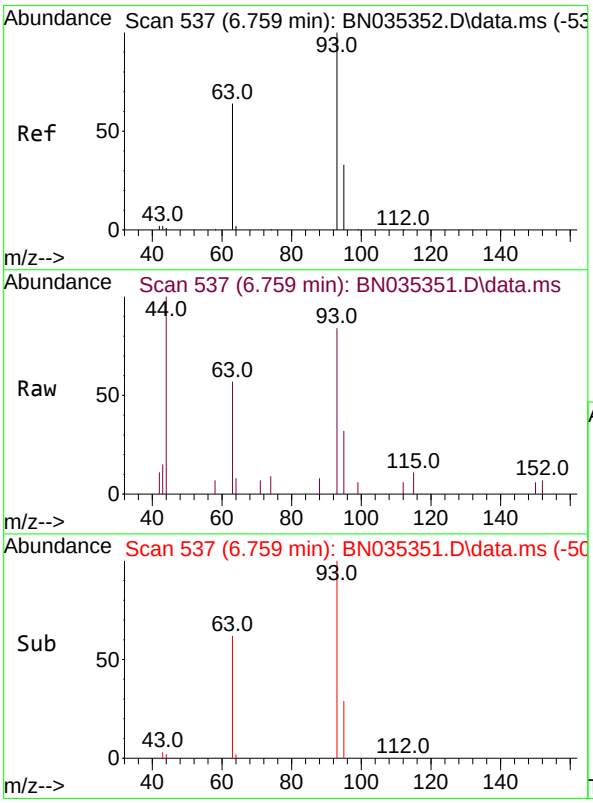
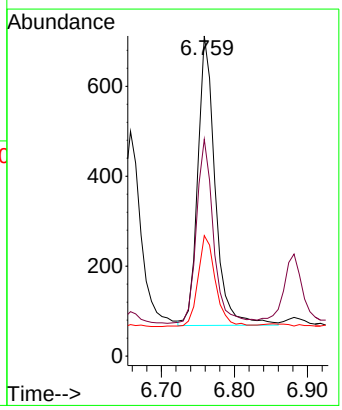
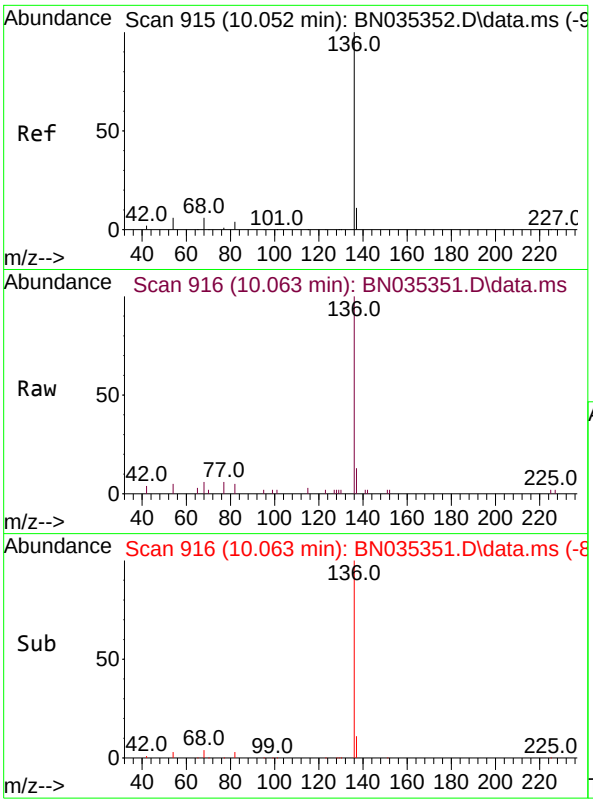


#6
bis(2-Chloroethyl)ether
Concen: 0.214 ng
RT: 6.759 min Scan# 537
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion: 93 Resp: 1064

Ion	Ratio	Lower	Upper
93	100		
63	62.2	50.4	75.6
95	31.6	25.7	38.5

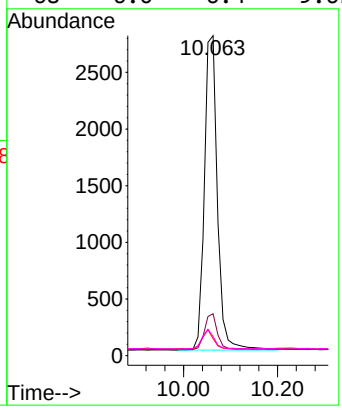




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.063 min Scan# 91
Delta R.T. 0.011 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion:136 Resp: 533

Ion	Ratio	Lower	Upper
136	100		
137	13.1	10.2	15.2
54	5.3	6.1	9.1#
68	6.0	6.4	9.6#



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

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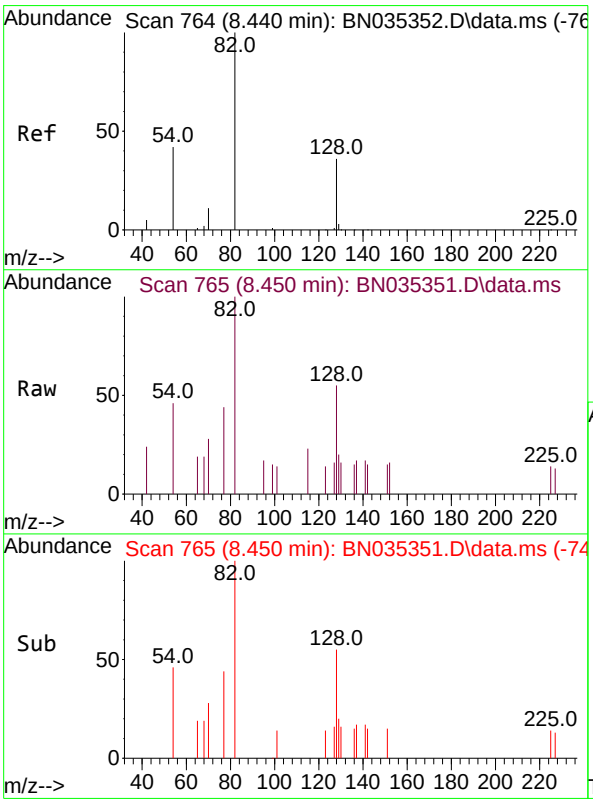
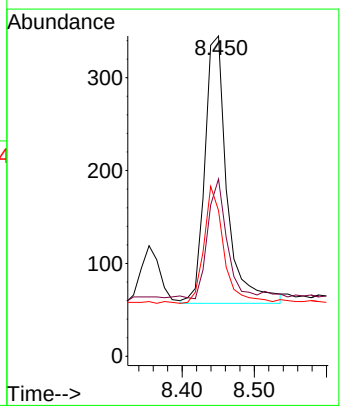
Supervised By :mohammad ahmed 12/03/2024

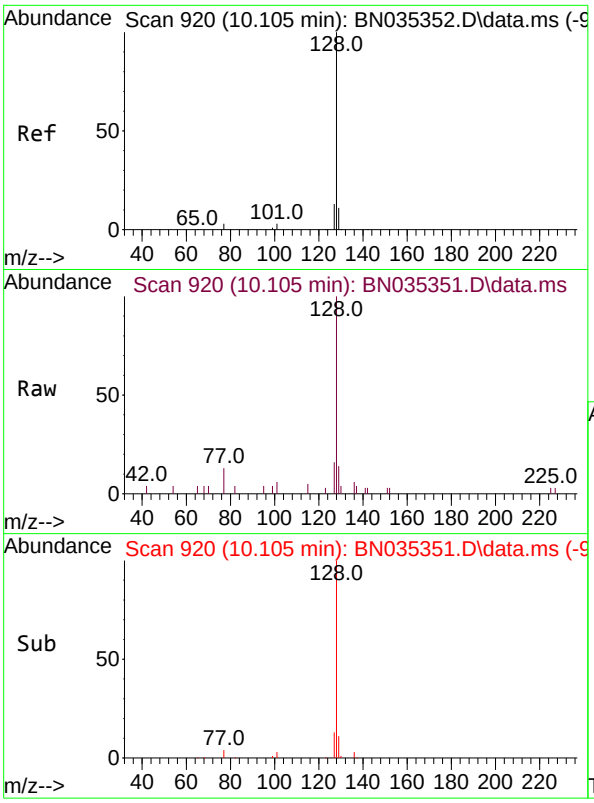


#8
Nitrobenzene-d5
Concen: 0.133 ng m
RT: 8.450 min Scan# 765
Delta R.T. 0.011 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion: 82 Resp: 618

Ion	Ratio	Lower	Upper
82	100		
128	55.4	33.4	50.0#
54	45.5	36.7	55.1

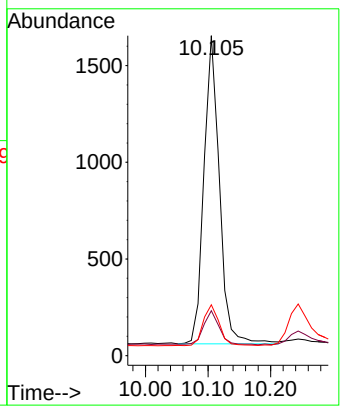




#9
Naphthalene
Concen: 0.197 ng
RT: 10.105 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion:128 Resp: 274

Ion	Ratio	Lower	Upper
128	100		
129	14.0	9.8	14.6
127	15.9	11.4	17.2



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

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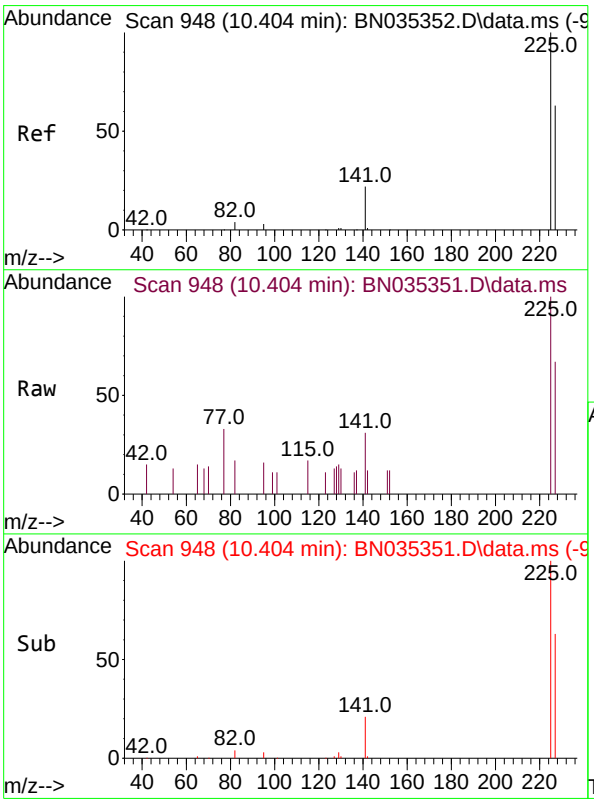
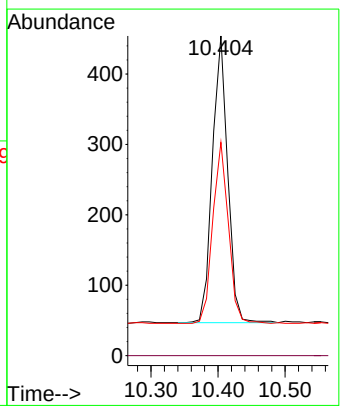
Supervised By :mohammad ahmed 12/03/2024

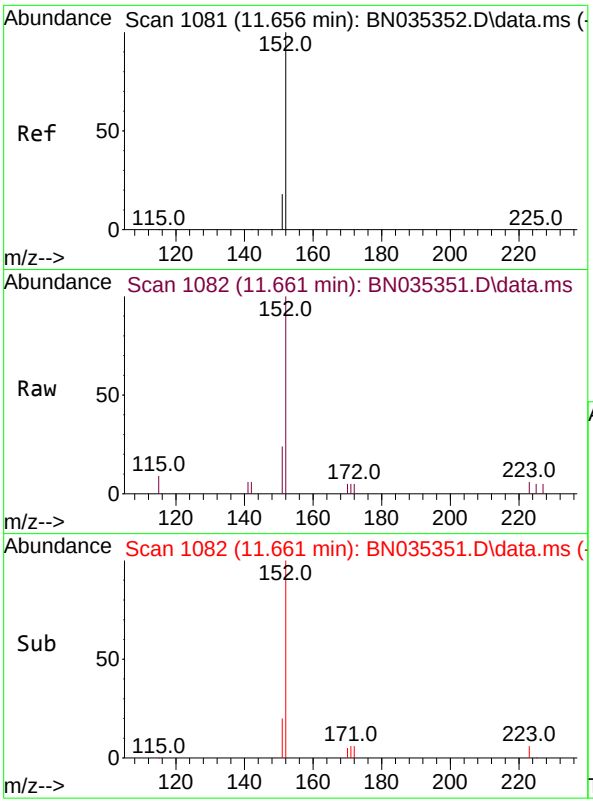


#10
Hexachlorobutadiene
Concen: 0.158 ng
RT: 10.404 min Scan# 948
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion:225 Resp: 646

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.7	51.3	76.9

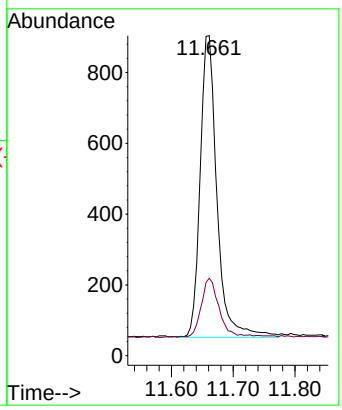




#11
2-Methylnaphthalene-d10
Concen: 0.169 ng
RT: 11.661 min Scan# 1
Delta R.T. 0.005 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion:152 Resp: 160

Ion	Ratio	Lower	Upper
152	100		
151	22.3	16.6	25.0



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

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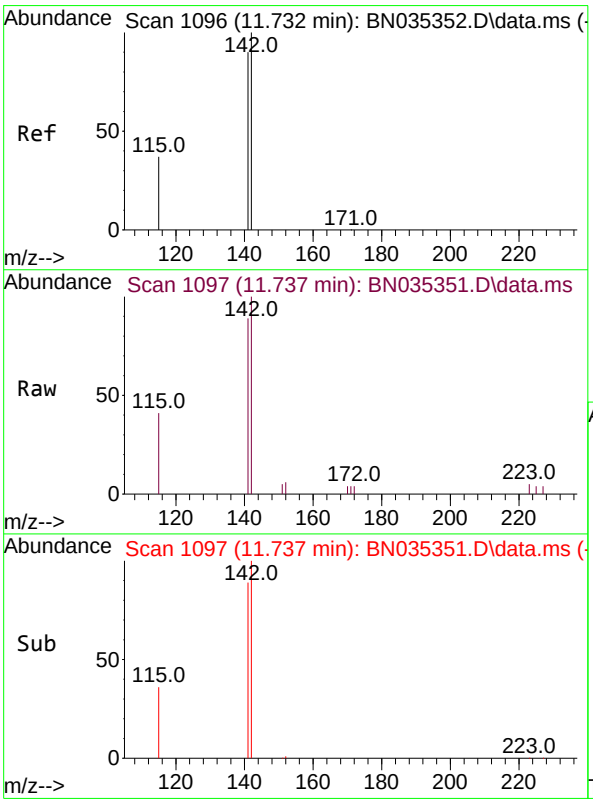
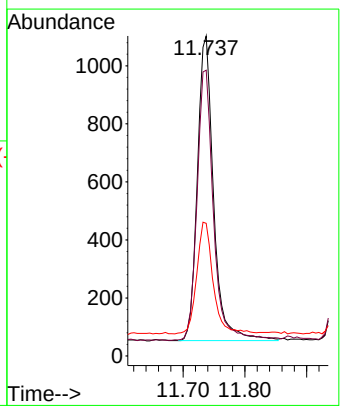
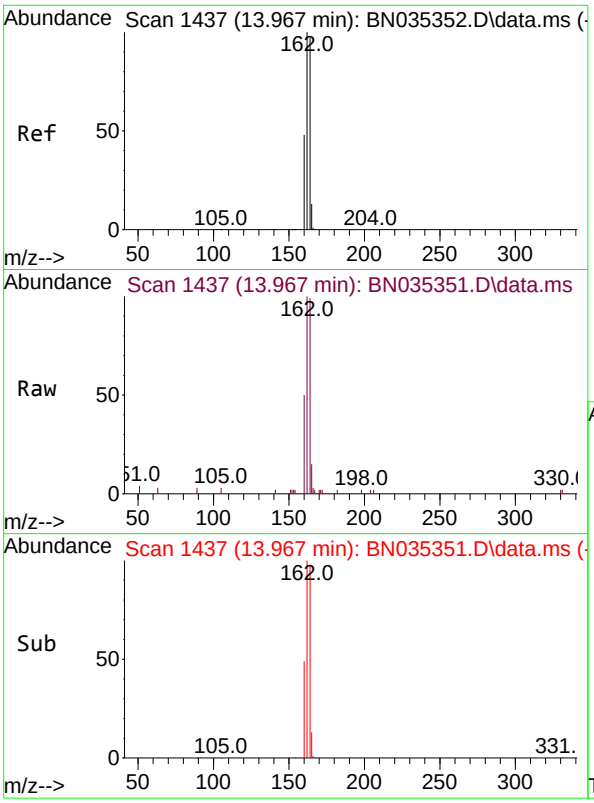


#12
2-Methylnaphthalene
Concen: 0.186 ng
RT: 11.737 min Scan# 1097
Delta R.T. 0.005 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion:142 Resp: 1910

Ion	Ratio	Lower	Upper
142	100		
141	89.3	72.2	108.4
115	41.4	31.4	47.0

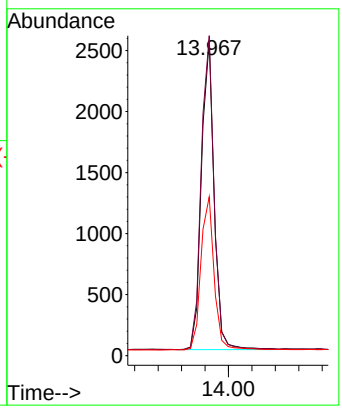




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.967 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion:164 Resp: 380

Ion	Ratio	Lower	Upper
164	100		
162	101.5	82.2	123.2
160	50.4	40.1	60.1



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Manual Integrations
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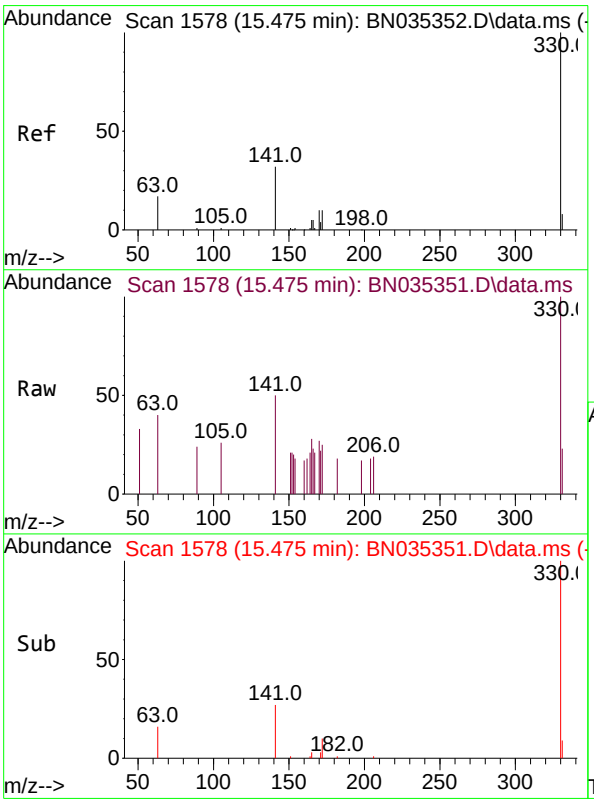
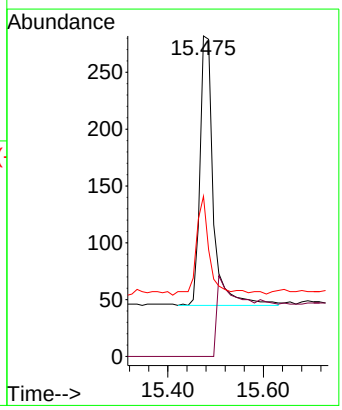
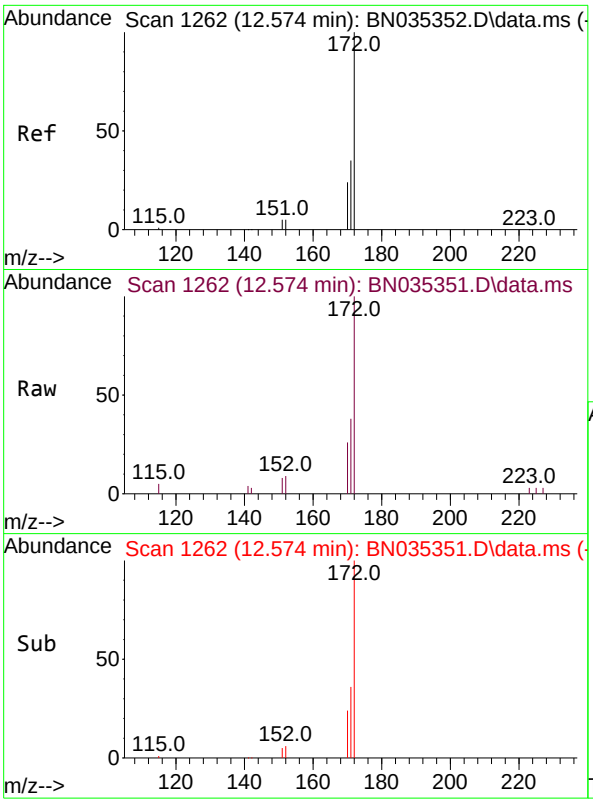


#14
2,4,6-Tribromophenol
Concen: 0.179 ng
RT: 15.475 min Scan# 1578
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion:330 Resp: 492

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	37.2	26.6	40.0

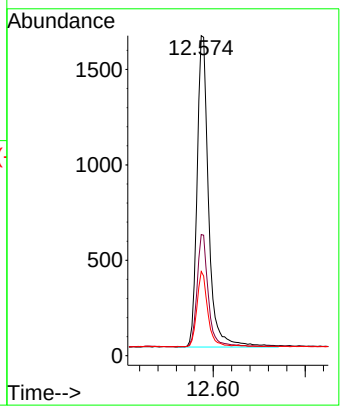




#15
2-Fluorobiphenyl
Concen: 0.184 ng
RT: 12.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion:172 Resp: 283

Ion	Ratio	Lower	Upper
172	100		
171	37.9	29.0	43.4
170	26.3	19.8	29.8



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

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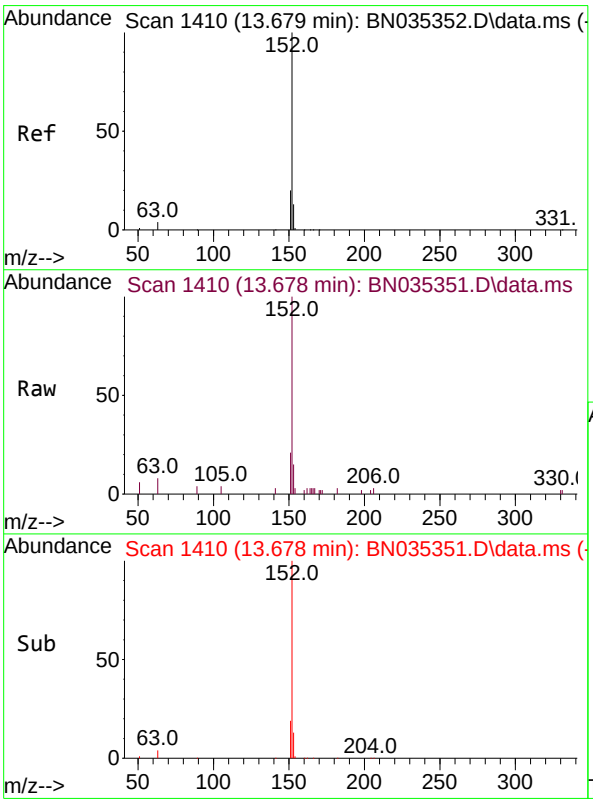
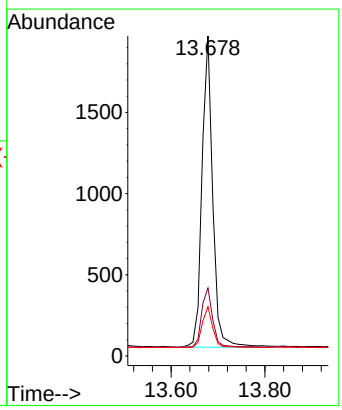
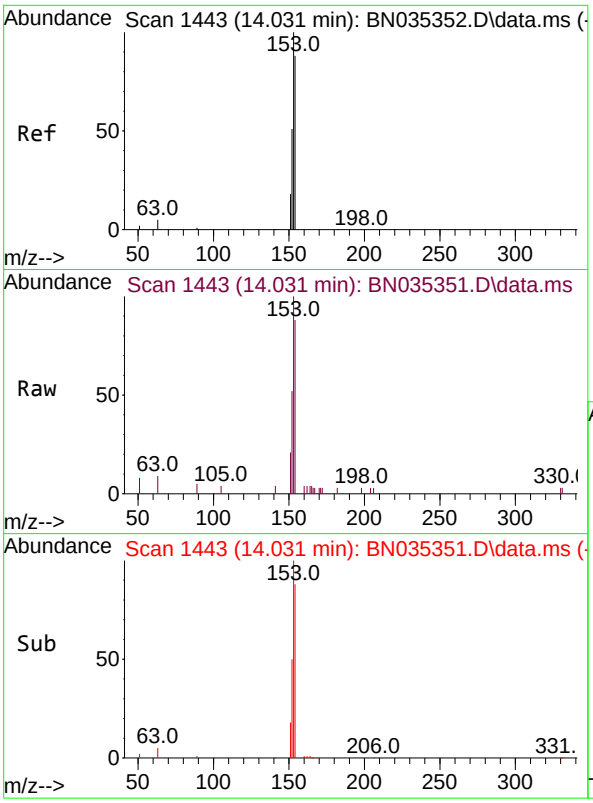


#16
Acenaphthylene
Concen: 0.187 ng
RT: 13.678 min Scan# 1410
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion:152 Resp: 3047

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.2	24.2
153	12.9	10.4	15.6

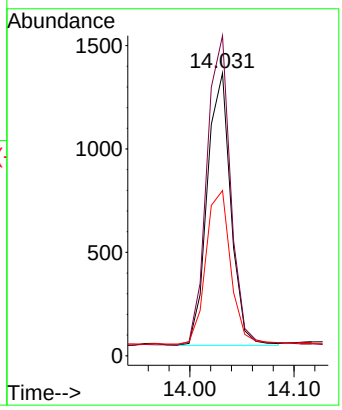




#17
Acenaphthene
Concen: 0.194 ng
RT: 14.031 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion:154 Resp: 206

Ion	Ratio	Lower	Upper
154	100		
153	115.2	92.6	139.0
152	60.7	49.0	73.6



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

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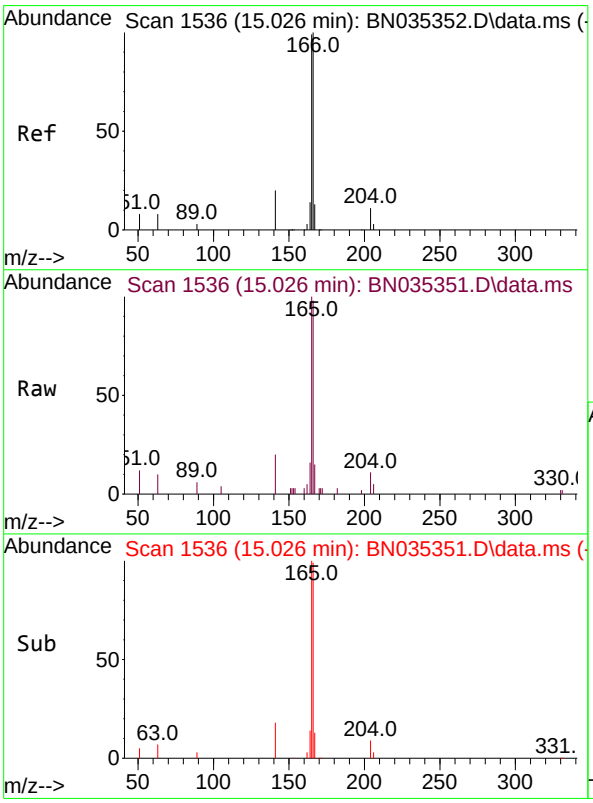
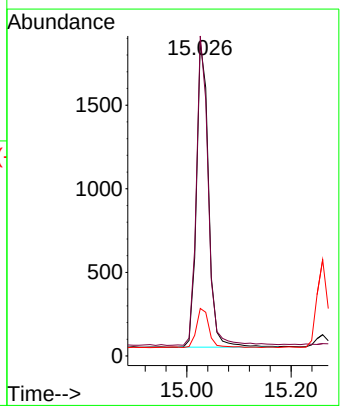
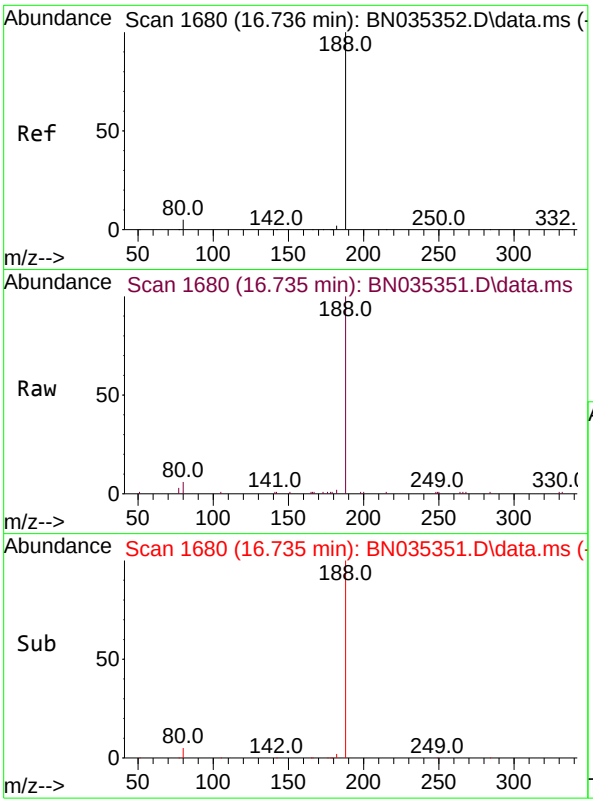


#18
Fluorene
Concen: 0.188 ng
RT: 15.026 min Scan# 1536
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion:166 Resp: 2949

Ion	Ratio	Lower	Upper
166	100		
165	99.1	79.7	119.5
167	14.1	10.8	16.2

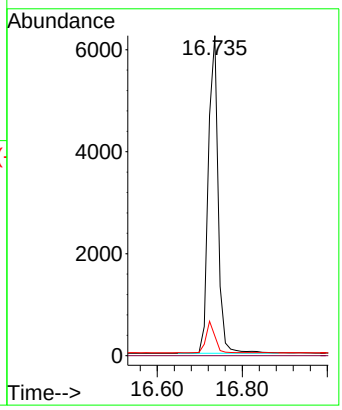




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.735 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion:188 Resp: 990

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.2	4.6	6.8



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

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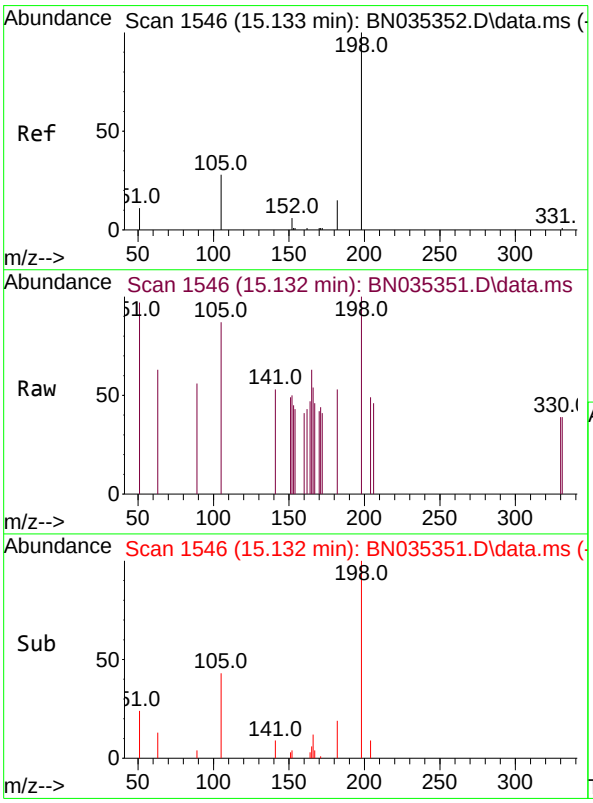
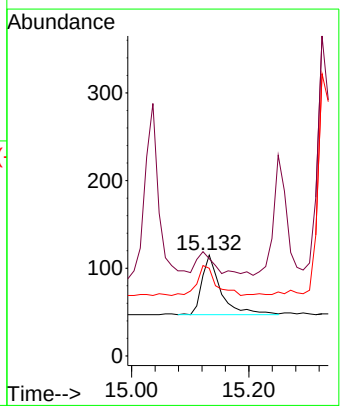
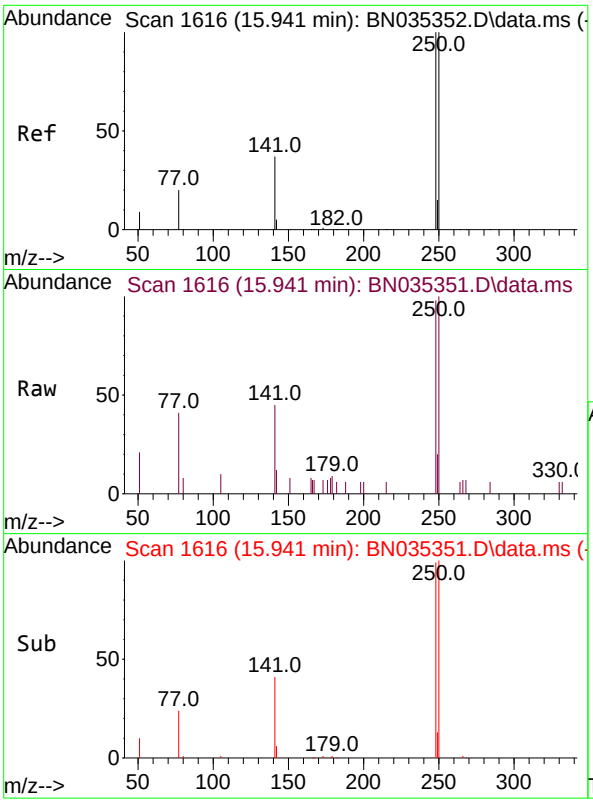


#20
4,6-Dinitro-2-methylphenol
Concen: 0.074 ng
RT: 15.132 min Scan# 1546
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion:198 Resp: 153

Ion	Ratio	Lower	Upper
198	100		
51	96.5	46.5	69.7#
105	87.0	45.3	67.9#

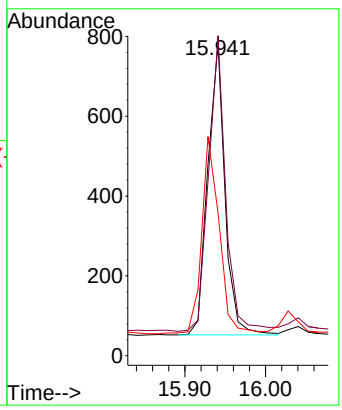




#21
4-Bromophenyl-phenylether
Concen: 0.171 ng
RT: 15.941 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion:248 Resp: 108

Ion	Ratio	Lower	Upper
248	100		
250	102.3	80.6	120.8
141	45.7	31.5	47.3



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

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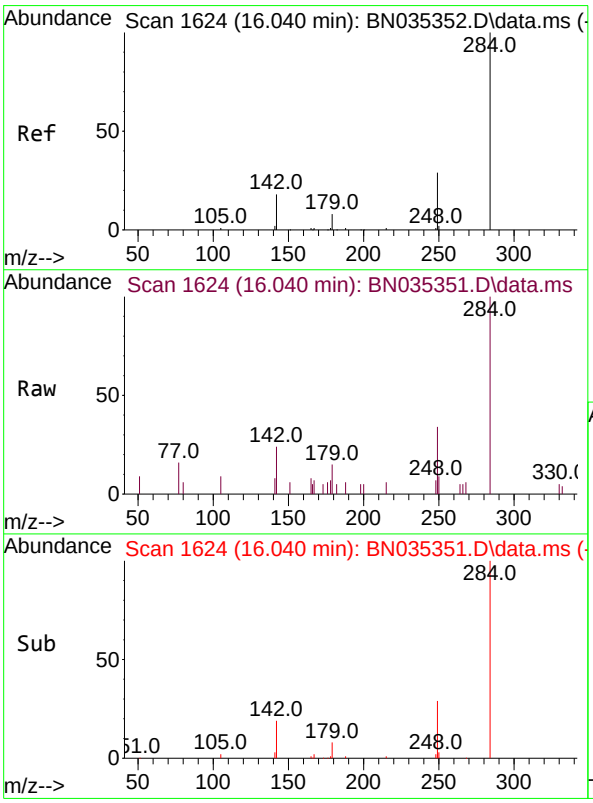
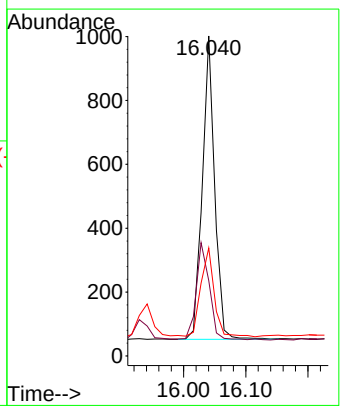
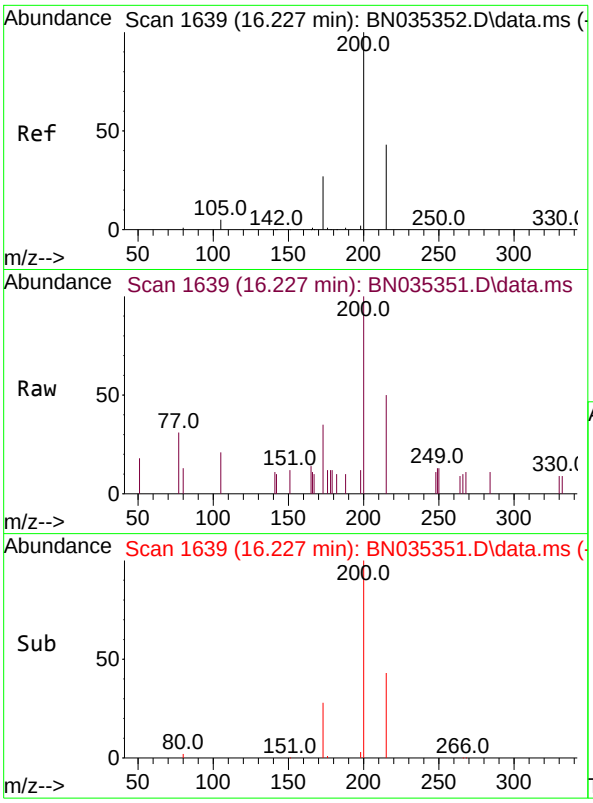


#22
Hexachlorobenzene
Concen: 0.201 ng
RT: 16.040 min Scan# 1624
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion:284 Resp: 1318

Ion	Ratio	Lower	Upper
284	100		
142	34.2	26.7	40.1
249	32.0	24.6	36.8

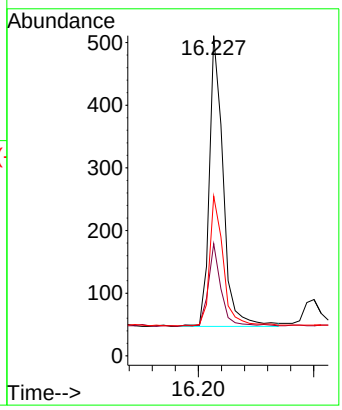




#23
Atrazine
Concen: 0.136 ng
RT: 16.227 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion:200 Resp: 77(

Ion	Ratio	Lower	Upper
200	100		
173	35.0	24.1	36.1
215	49.9	36.9	55.3



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

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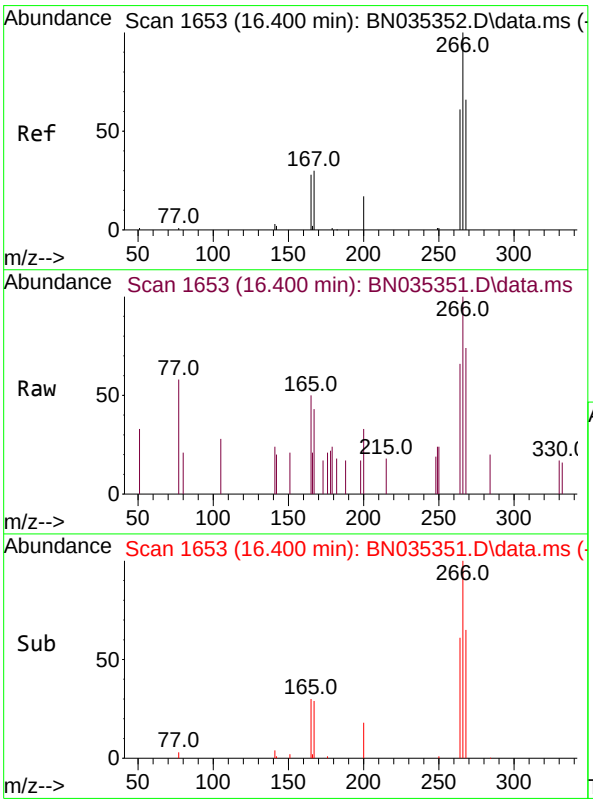
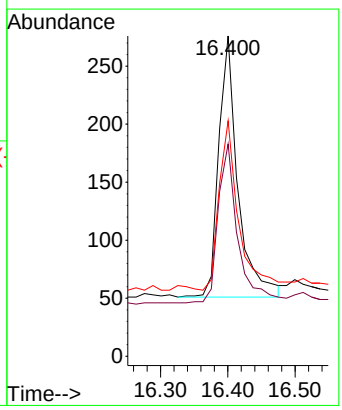
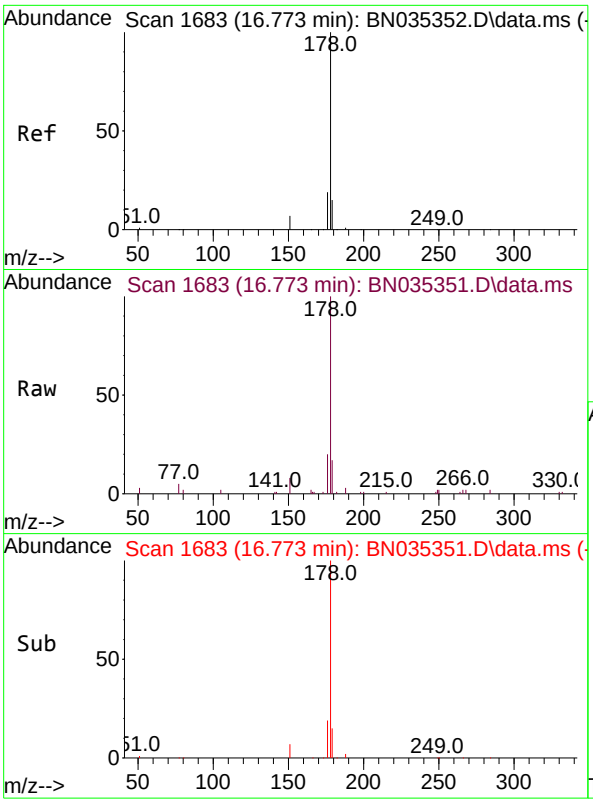


#24
Pentachlorophenol
Concen: 0.145 ng
RT: 16.400 min Scan# 1653
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion:266 Resp: 445

Ion	Ratio	Lower	Upper
266	100		
264	62.7	42.3	63.5
268	67.2	43.3	64.9#

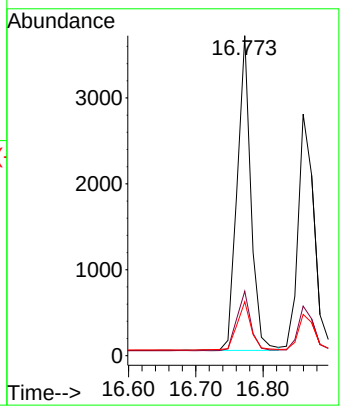




#25
Phenanthrene
Concen: 0.199 ng
RT: 16.773 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion:178 Resp: 518

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.2
179	15.9	12.3	18.5



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

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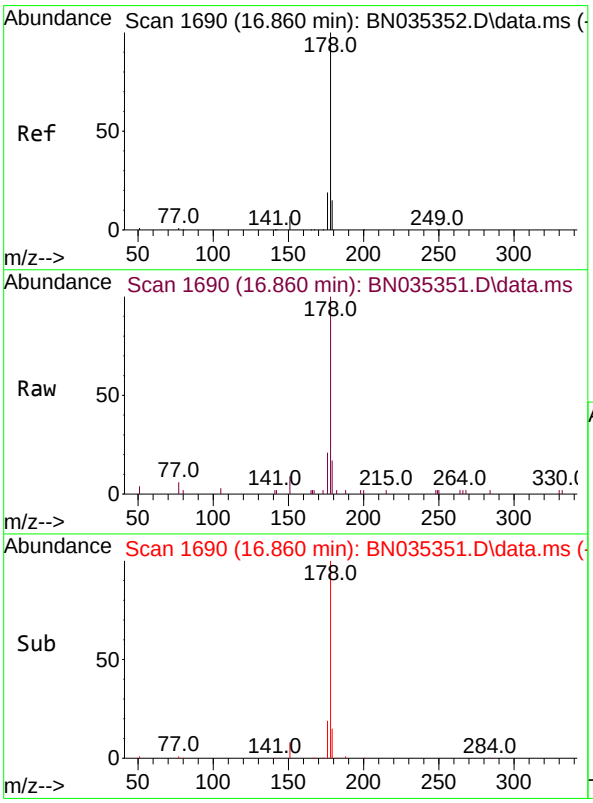
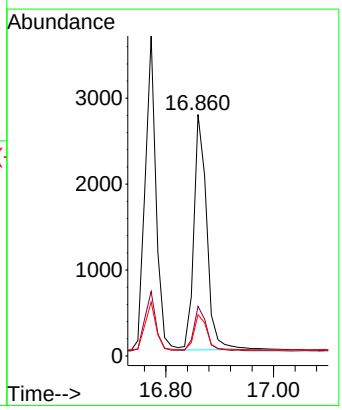
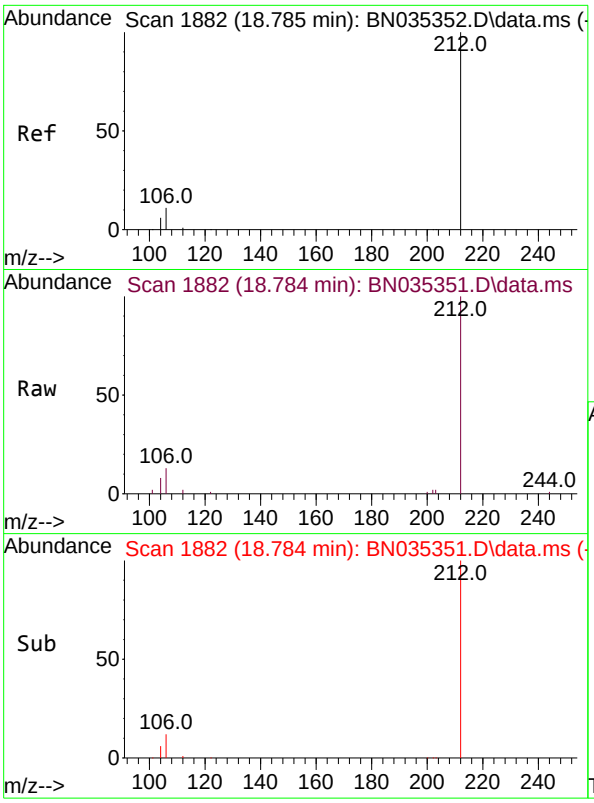


#26
Anthracene
Concen: 0.191 ng
RT: 16.860 min Scan# 1690
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion:178 Resp: 4571

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.6
179	15.4	12.6	18.8

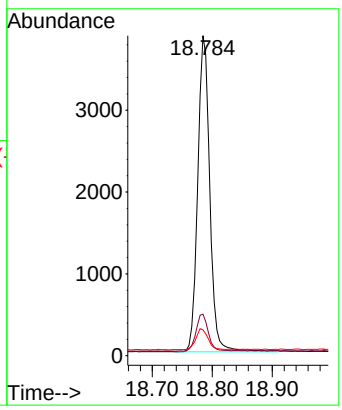




#27
Fluoranthene-d10
Concen: 0.177 ng
RT: 18.784 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion:212 Resp: 537

Ion	Ratio	Lower	Upper
212	100		
106	11.8	9.2	13.8
104	6.9	5.3	7.9



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

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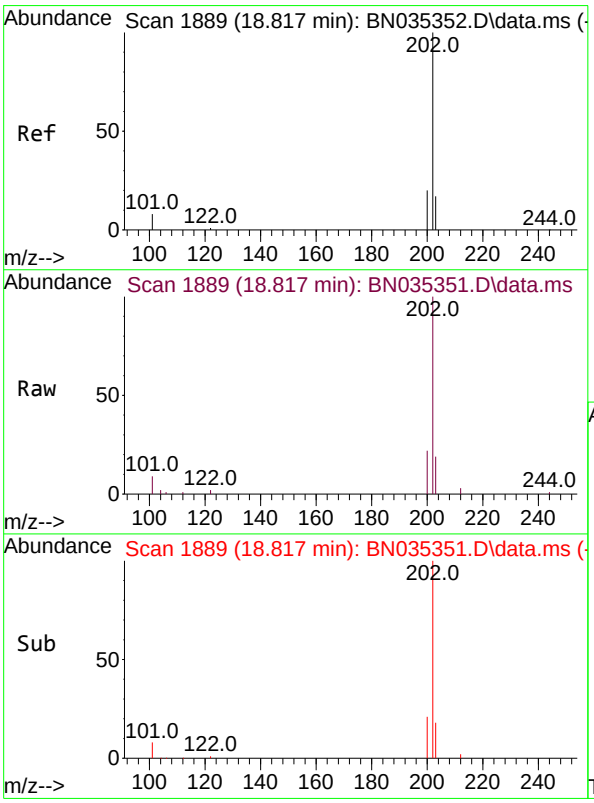
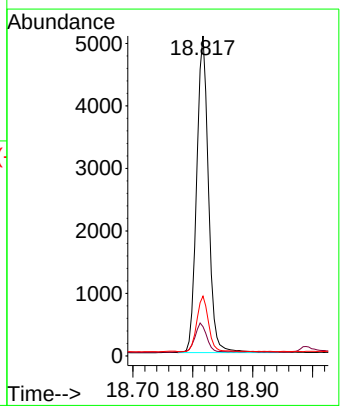
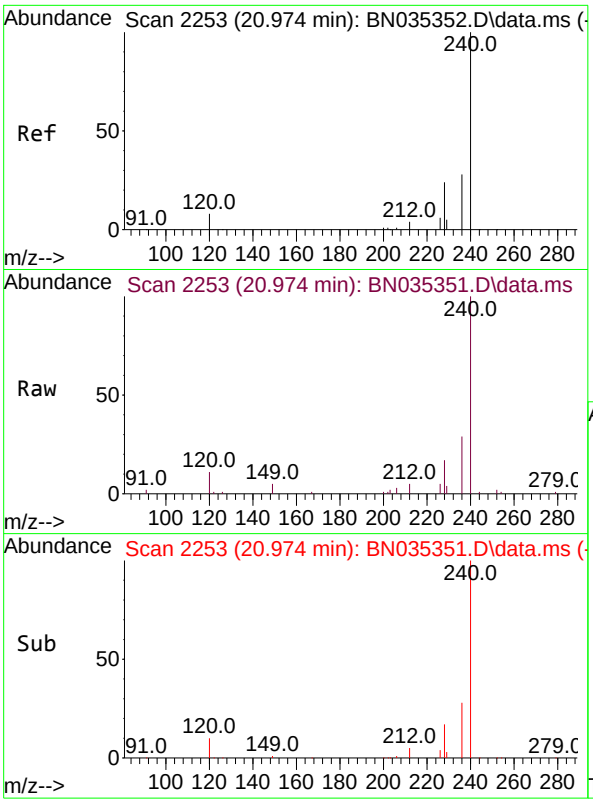


#28
Fluoranthene
Concen: 0.193 ng
RT: 18.817 min Scan# 1889
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion:202 Resp: 6914

Ion	Ratio	Lower	Upper
202	100		
101	9.3	7.4	11.0
203	17.3	13.7	20.5





#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.974 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion:240 Resp: 996

Ion	Ratio	Lower	Upper
240	100		
120	11.3	7.9	11.9
236	28.8	22.9	34.3

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

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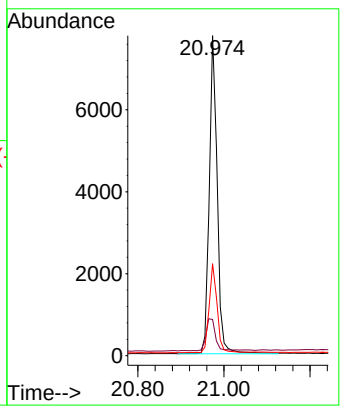
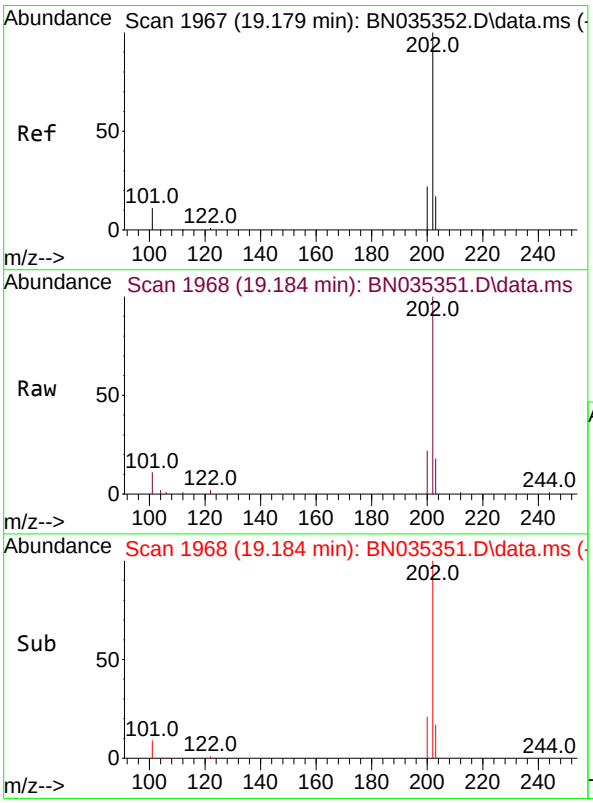
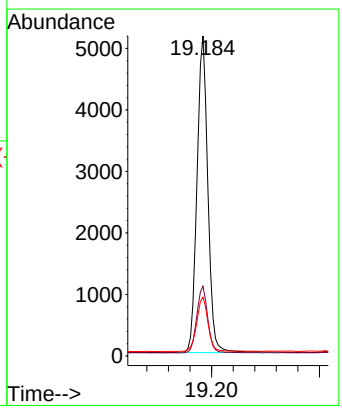


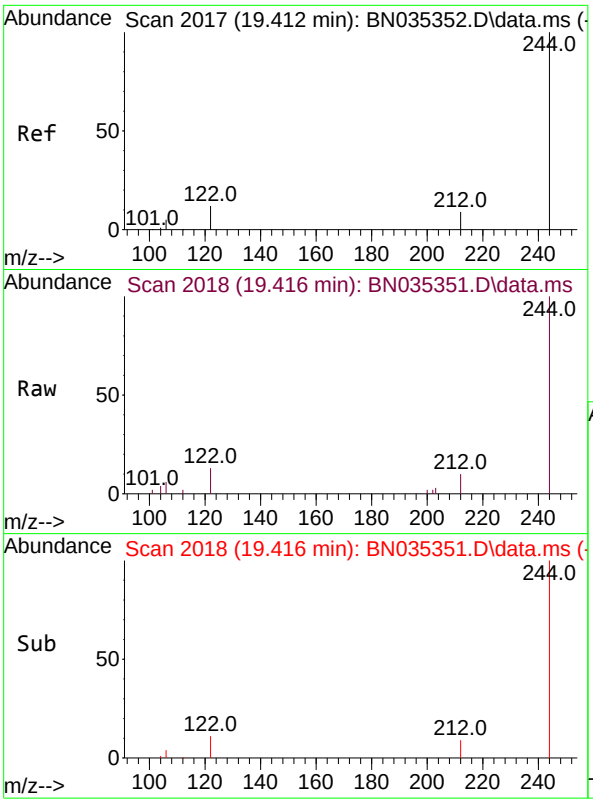


#30
Pyrene
Concen: 0.217 ng
RT: 19.184 min Scan# 1968
Delta R.T. 0.005 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion:202 Resp: 7198

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.0	25.4
203	18.0	14.3	21.5

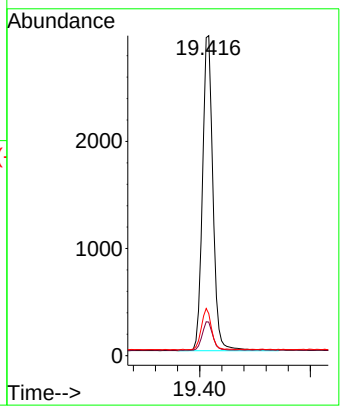




#31
Terphenyl-d14
Concen: 0.185 ng
RT: 19.416 min Scan# 2
Delta R.T. 0.005 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion:244 Resp: 387

Ion	Ratio	Lower	Upper
244	100		
212	10.5	8.1	12.1
122	13.1	10.3	15.5



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

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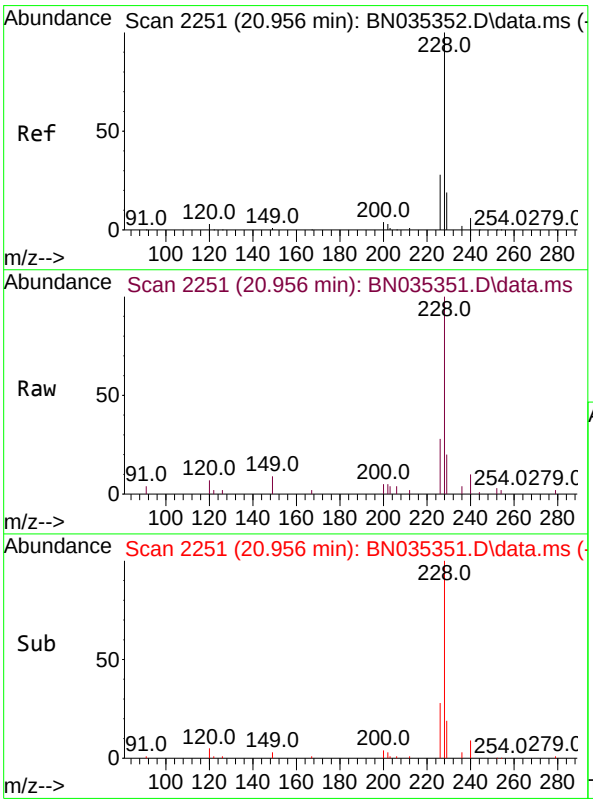
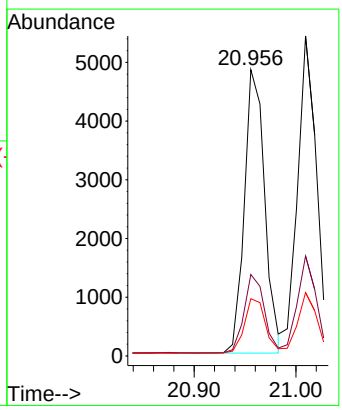
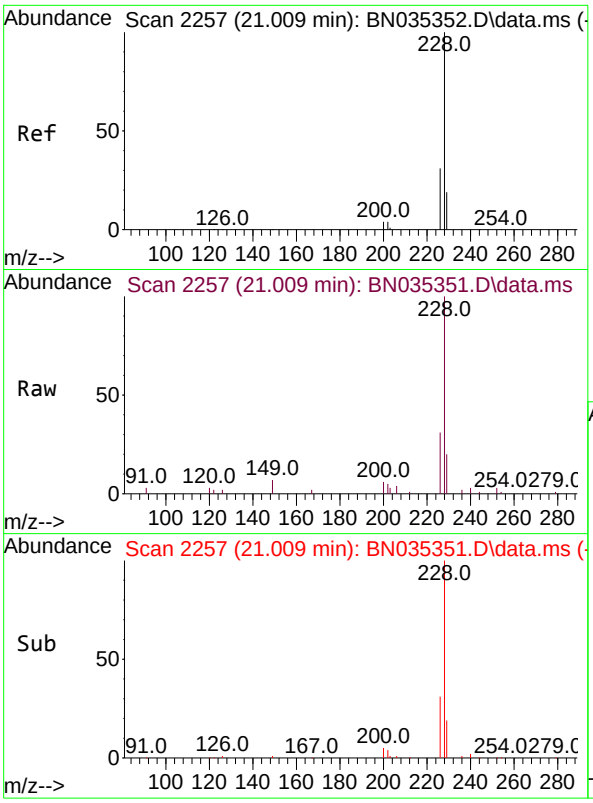


#32
Benzo(a)anthracene
Concen: 0.193 ng
RT: 20.956 min Scan# 2251
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion:228 Resp: 6691

Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.5	33.7
229	20.0	15.8	23.8

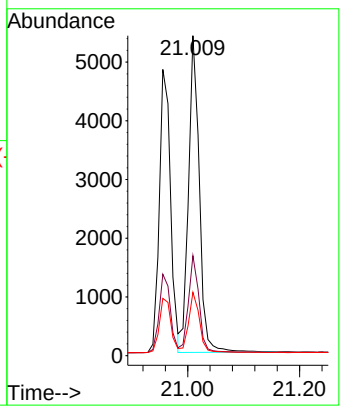




#33
Chrysene
Concen: 0.211 ng
RT: 21.009 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion:228 Resp: 723

Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.6	37.0
229	19.8	15.9	23.9



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

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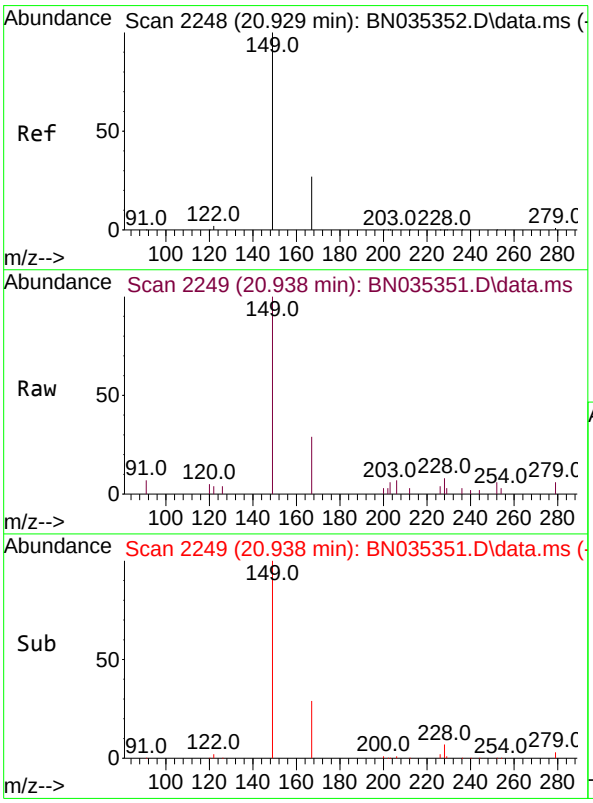
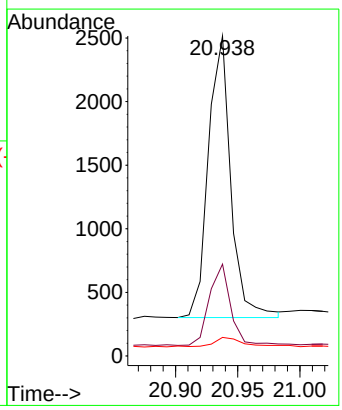
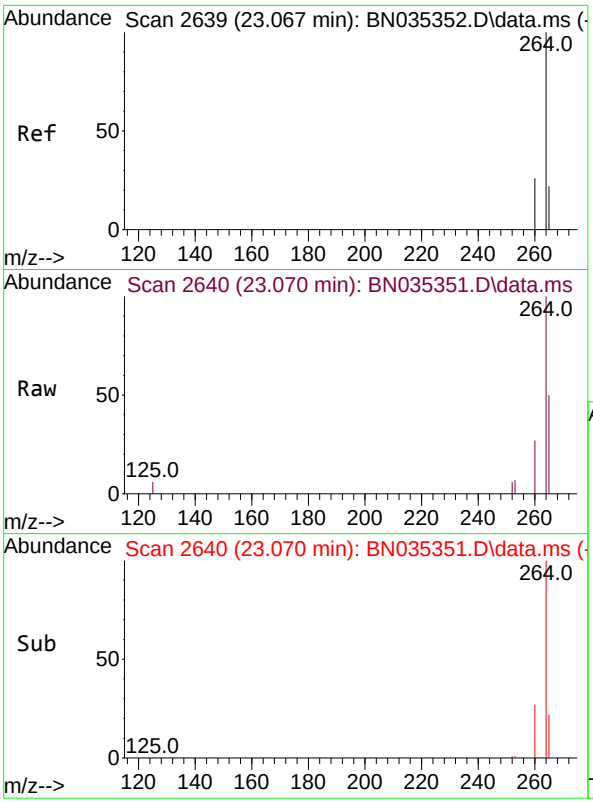


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.153 ng
RT: 20.938 min Scan# 2249
Delta R.T. 0.009 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion:149 Resp: 2779

Ion	Ratio	Lower	Upper
149	100		
167	27.5	22.2	33.4
279	4.8	2.7	4.1#

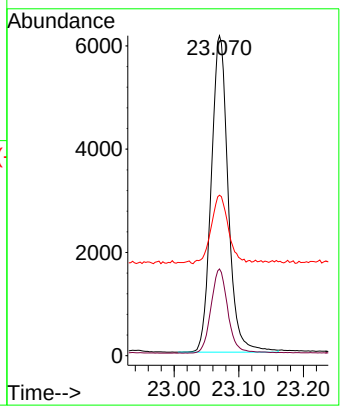




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.070 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion:264 Resp: 1115

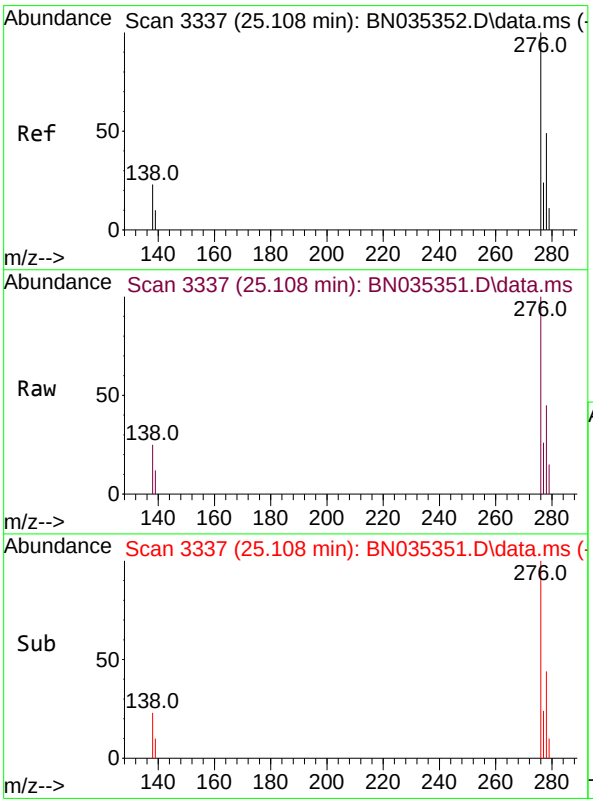
Ion	Ratio	Lower	Upper
264	100		
260	27.1	21.4	32.2
265	50.2	40.2	60.4



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Manual Integrations
APPROVED

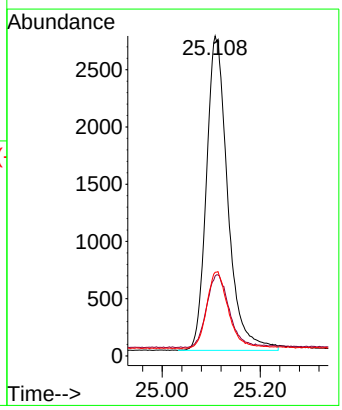
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 12/03/2024

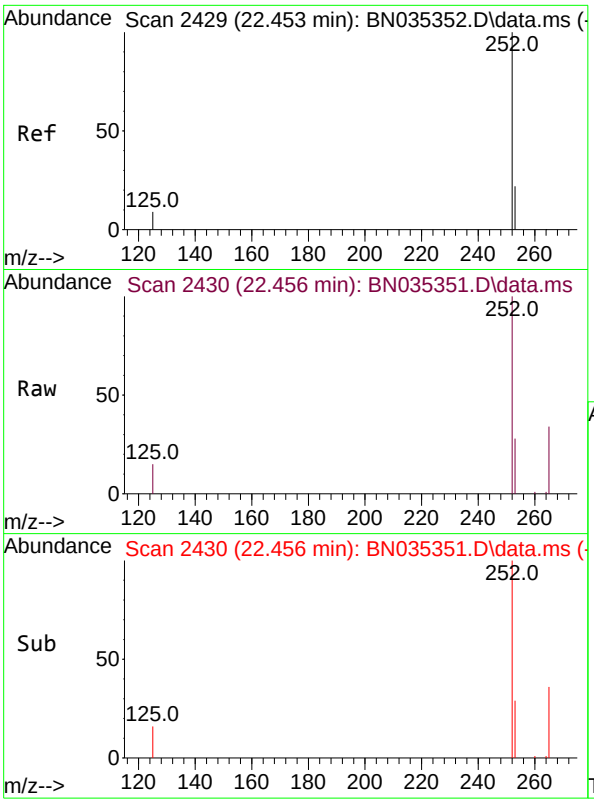


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.187 ng
RT: 25.108 min Scan# 3337
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion:276 Resp: 8305

Ion	Ratio	Lower	Upper
276	100		
138	24.3	19.4	29.0
277	24.7	19.8	29.6

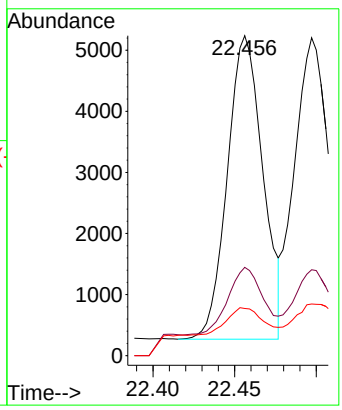




#37
Benzo(b)fluoranthene
Concen: 0.200 ng
RT: 22.456 min Scan# 24
Delta R.T. 0.003 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion:252 Resp: 752

Ion	Ratio	Lower	Upper
252	100		
253	27.6	19.6	29.4
125	14.8	9.6	14.4#



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Manual Integrations
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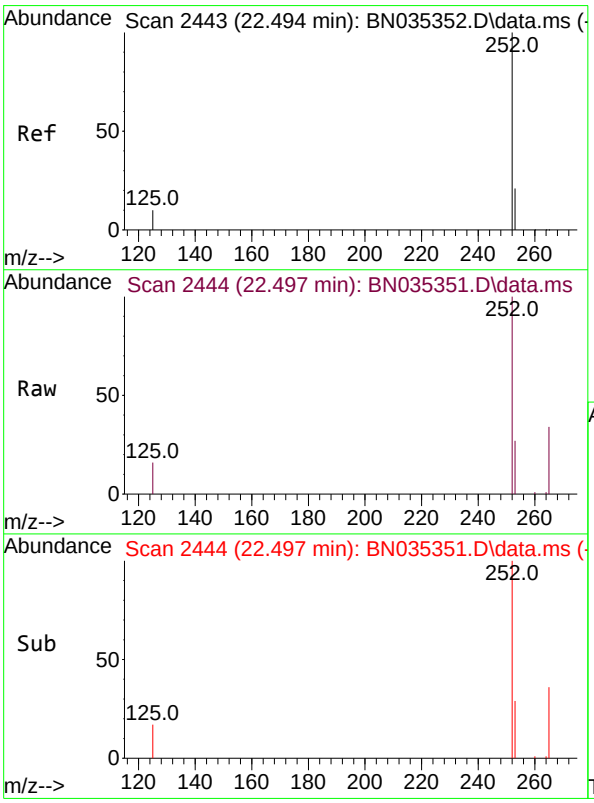
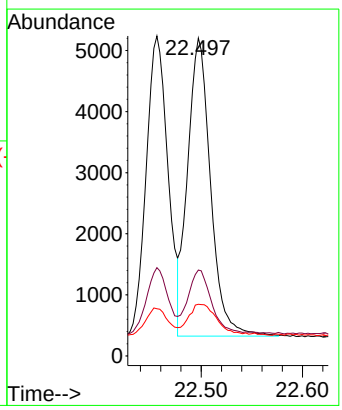
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 12/03/2024

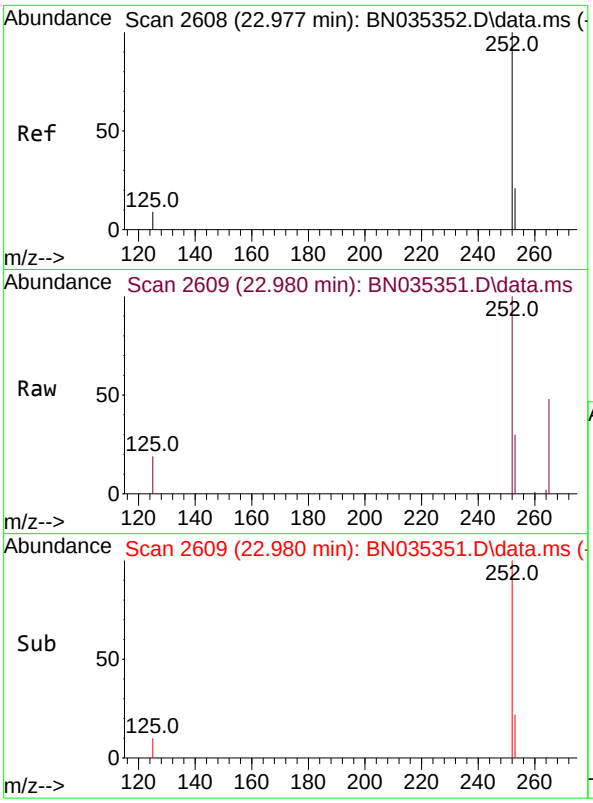


#38
Benzo(k)fluoranthene
Concen: 0.204 ng m
RT: 22.497 min Scan# 2444
Delta R.T. 0.003 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion:252 Resp: 7675

Ion	Ratio	Lower	Upper
252	100		
253	27.0	19.5	29.3
125	16.2	10.2	15.4#

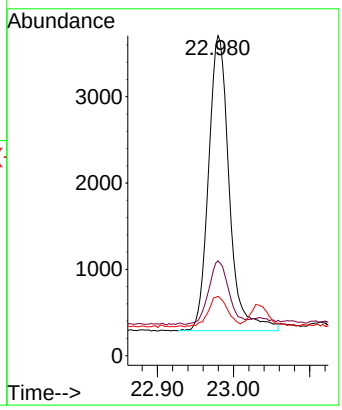




#39
Benzo(a)pyrene
Concen: 0.195 ng
RT: 22.980 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion:252 Resp: 645

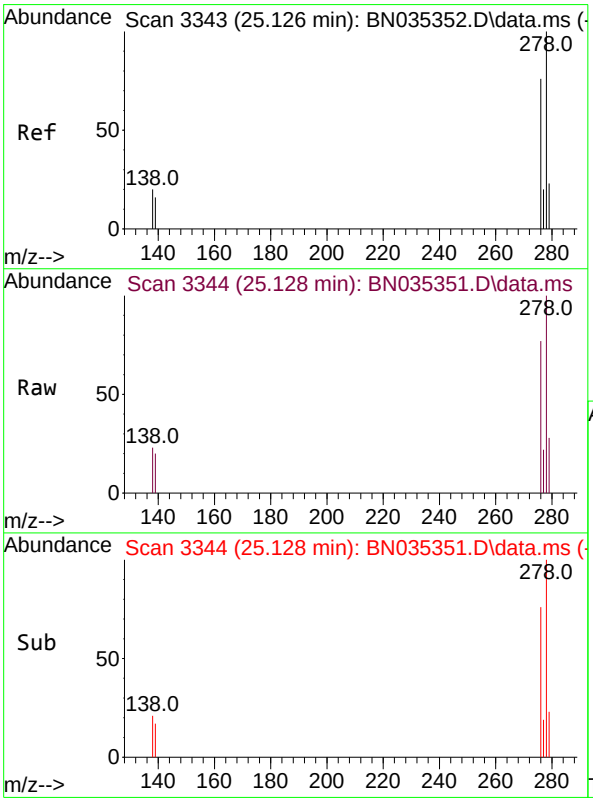
Ion	Ratio	Lower	Upper
252	100		
253	29.7	20.2	30.4
125	18.5	10.9	16.3



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Manual Integrations
APPROVED

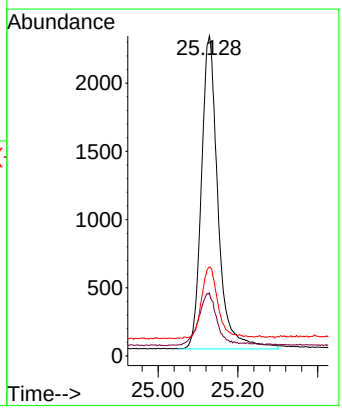
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 12/03/2024

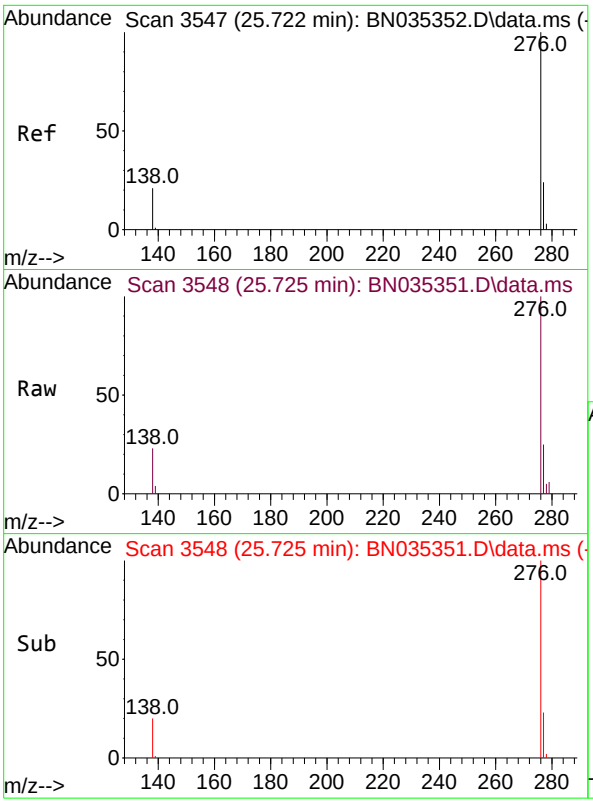


#40
Dibenzo(a,h)anthracene
Concen: 0.188 ng
RT: 25.128 min Scan# 3344
Delta R.T. 0.003 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion:278 Resp: 6620

Ion	Ratio	Lower	Upper
278	100		
139	19.7	14.2	21.4
279	27.9	20.5	30.7

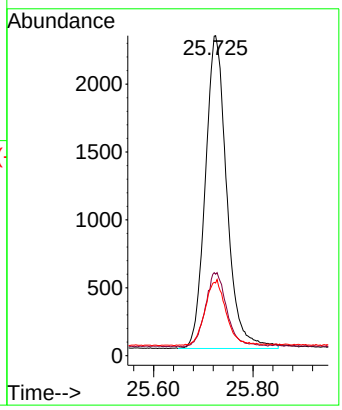




#41
Benzo(g,h,i)perylene
Concen: 0.184 ng
RT: 25.725 min Scan# 3
Delta R.T. 0.003 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion:276 Resp: 690

Ion	Ratio	Lower	Upper
276	100		
277	25.5	19.9	29.9
138	22.7	17.8	26.8



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 12/03/2024

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
Data File : BN035352.D
Acq On : 27 Nov 2024 16:46
Operator : RC/JU
Sample : SSTDICCC0.4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 12/03/2024

Quant Time: Nov 27 22:52:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 27 22:48:24 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.308	152	2048	0.400	ng		0.00
7) Naphthalene-d8	10.052	136	5229	0.400	ng		0.00
13) Acenaphthene-d10	13.967	164	3799	0.400	ng		0.00
19) Phenanthrene-d10	16.736	188	9490	0.400	ng		0.00
29) Chrysene-d12	20.974	240	9527	0.400	ng		0.00
35) Perylene-d12	23.067	264	10842	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	4.968	112	2085	0.401	ng		0.00
5) Phenol-d6	6.513	99	2444	0.375	ng		0.00
8) Nitrobenzene-d5	8.440	82	1228m	0.270	ng		0.00
11) 2-Methylnaphthalene-d10	11.656	152	3237	0.347	ng		0.00
14) 2,4,6-Tribromophenol	15.475	330	975	0.356	ng		0.00
15) 2-Fluorobiphenyl	12.574	172	5735	0.372	ng		0.00
27) Fluoranthene-d10	18.785	212	10223	0.352	ng		0.00
31) Terphenyl-d14	19.412	244	7533	0.377	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.003	88	771	0.414	ng		100
3) n-Nitrosodimethylamine	3.292	42	668	0.385	ng		100
6) bis(2-Chloroethyl)ether	6.759	93	2032	0.415	ng		100
9) Naphthalene	10.105	128	5475	0.401	ng		100
10) Hexachlorobutadiene	10.404	225	1292	0.323	ng	#	100
12) 2-Methylnaphthalene	11.732	142	3867	0.384	ng		100
16) Acenaphthylene	13.679	152	6058	0.373	ng		100
17) Acenaphthene	14.031	154	4125	0.388	ng		100
18) Fluorene	15.026	166	5863	0.375	ng		100
20) 4,6-Dinitro-2-methylph...	15.133	198	337	0.171	ng		100
21) 4-Bromophenyl-phenylether	15.941	248	2146	0.355	ng		100
22) Hexachlorobenzene	16.040	284	2590	0.413	ng		100
23) Atrazine	16.227	200	1461	0.269	ng		100
24) Pentachlorophenol	16.400	266	906	0.309	ng		87
25) Phenanthrene	16.773	178	10127	0.405	ng		100
26) Anthracene	16.860	178	8921	0.389	ng		100
28) Fluoranthene	18.817	202	13438	0.391	ng		100
30) Pyrene	19.179	202	14053	0.443	ng		100
32) Benzo(a)anthracene	20.956	228	12908	0.389	ng		100
33) Chrysene	21.009	228	13729	0.418	ng		100
34) Bis(2-ethylhexyl)phtha...	20.929	149	4912	0.282	ng		100
36) Indeno(1,2,3-cd)pyrene	25.108	276	16615	0.384	ng		100
37) Benzo(b)fluoranthene	22.453	252	14235	0.390	ng		100
38) Benzo(k)fluoranthene	22.494	252	15199	0.416	ng		100
39) Benzo(a)pyrene	22.977	252	12425	0.387	ng		100
40) Dibenzo(a,h)anthracene	25.126	278	12948	0.378	ng		100
41) Benzo(g,h,i)perylene	25.722	276	13529	0.371	ng		100

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

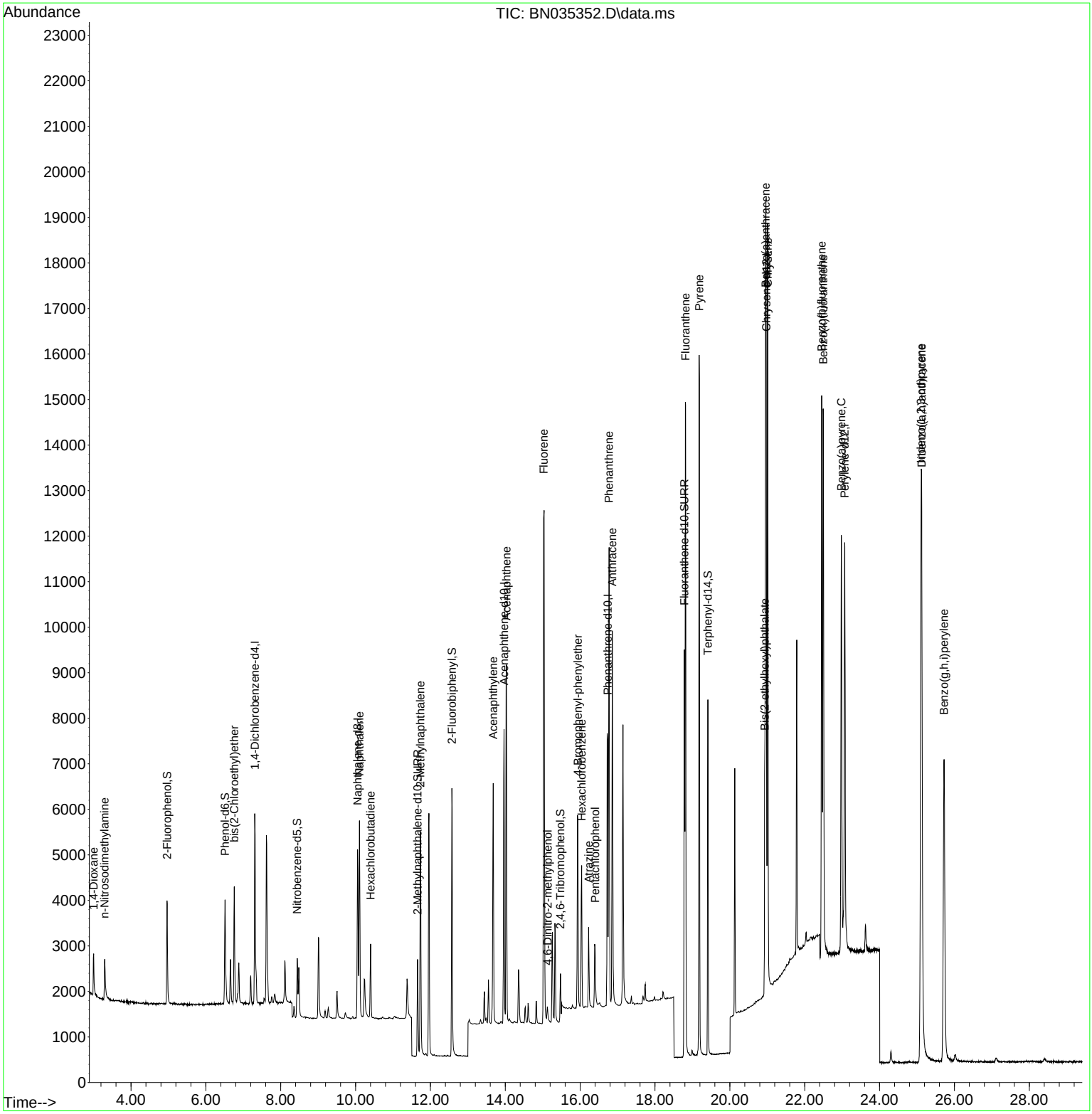
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
Data File : BN035352.D
Acq On : 27 Nov 2024 16:46
Operator : RC/JU
Sample : SSTDICCC0.4
Misc :
ALS Vial : 4 Sample Multiplier: 1

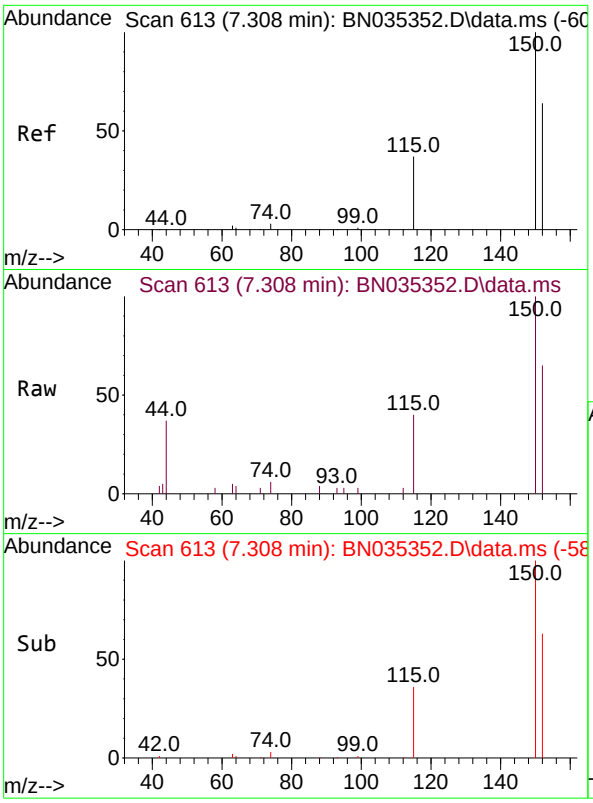
Quant Time: Nov 27 22:52:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 27 22:48:24 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 12/03/2024

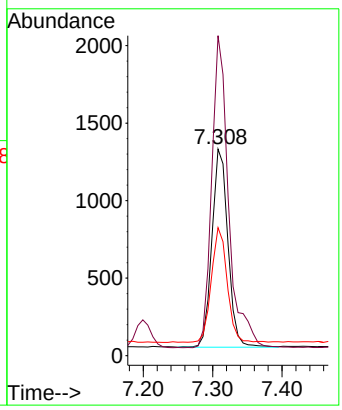




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.308 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Tgt Ion:152 Resp: 204

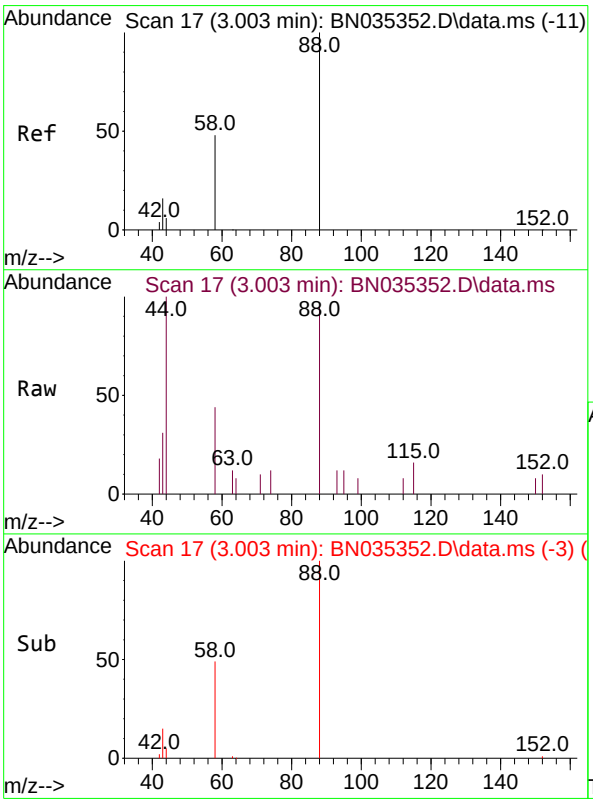
Ion	Ratio	Lower	Upper
152	100		
150	155.0	124.0	186.0
115	62.0	49.6	74.4



Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Manual Integrations
APPROVED

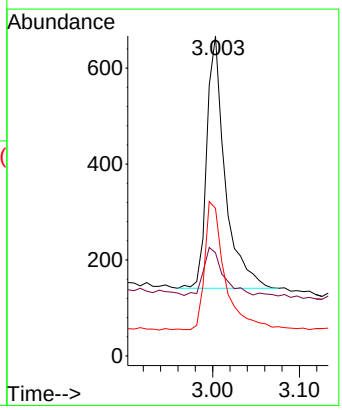
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 12/03/2024

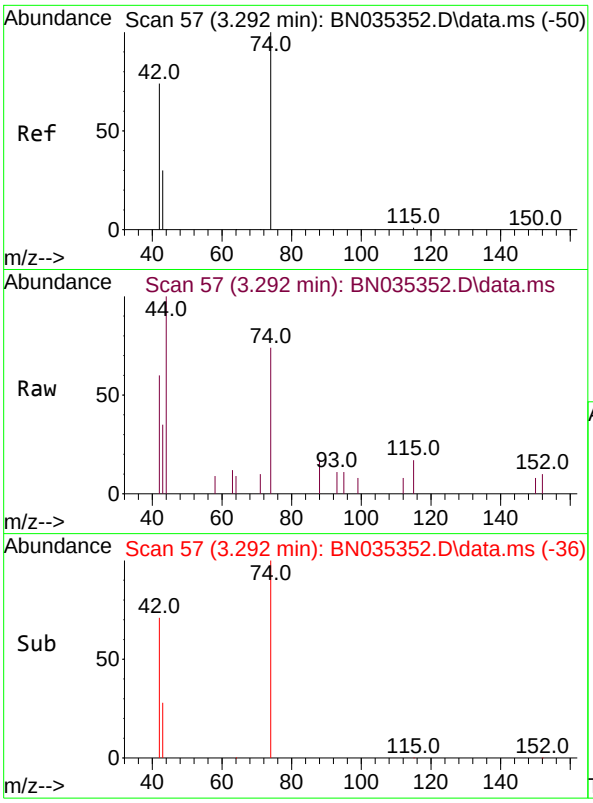


#2
1,4-Dioxane
Concen: 0.414 ng
RT: 3.003 min Scan# 17
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Tgt Ion: 88 Resp: 771

Ion	Ratio	Lower	Upper
88	100		
43	21.5	17.2	25.8
58	55.6	44.5	66.7

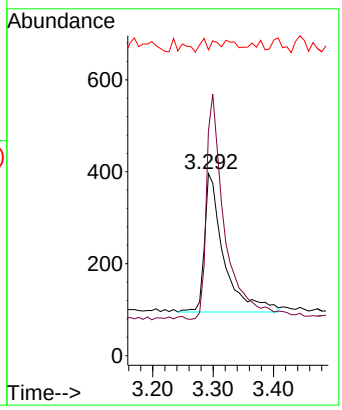




#3
n-Nitrosodimethylamine
Concen: 0.385 ng
RT: 3.292 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Tgt Ion: 42 Resp: 66

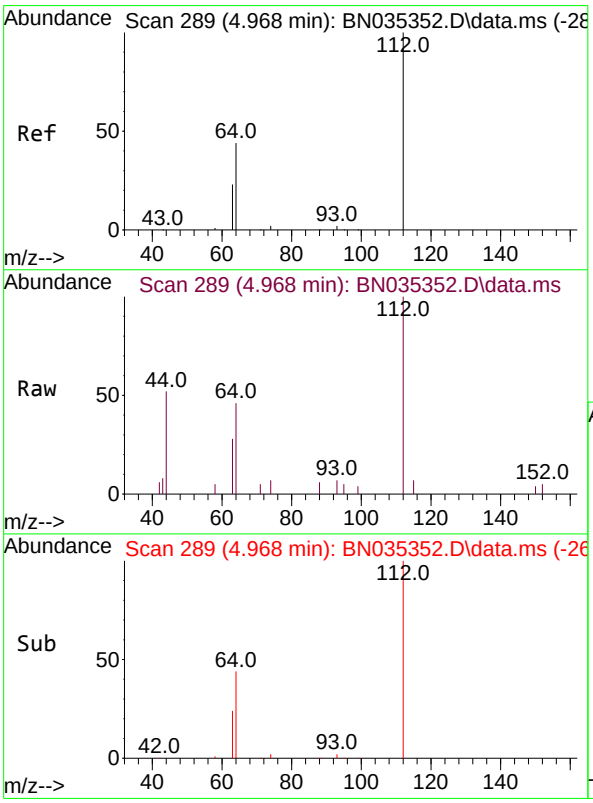
Ion	Ratio	Lower	Upper
42	100		
74	156.1	124.9	187.3
44	2.8	2.2	3.4



Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Manual Integrations APPROVED

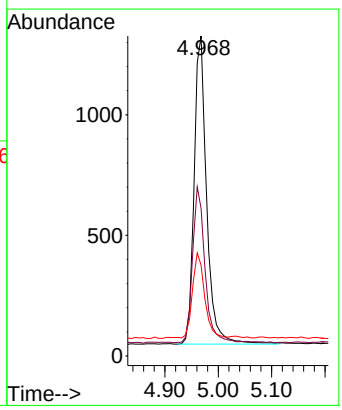
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 12/03/2024

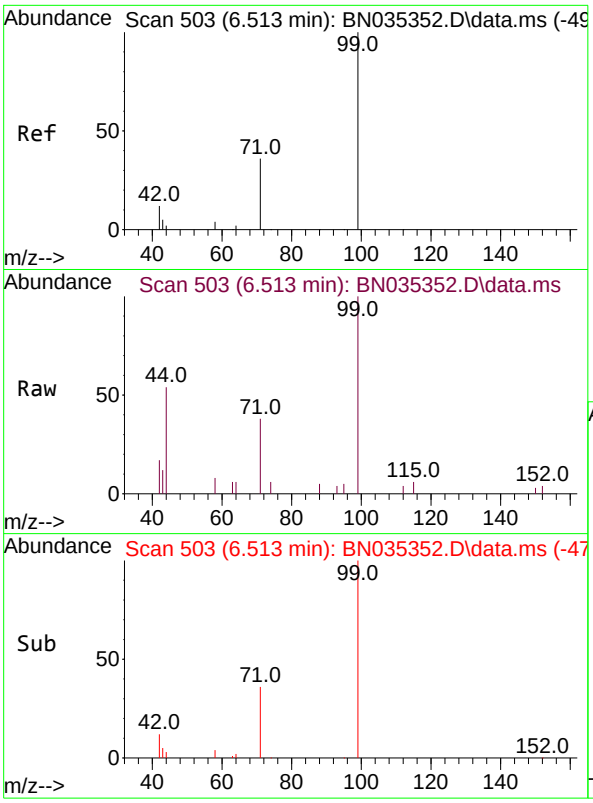


#4
2-Fluorophenol
Concen: 0.401 ng
RT: 4.968 min Scan# 289
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Tgt Ion:112 Resp: 2085

Ion	Ratio	Lower	Upper
112	100		
64	49.8	39.8	59.8
63	26.3	21.0	31.6

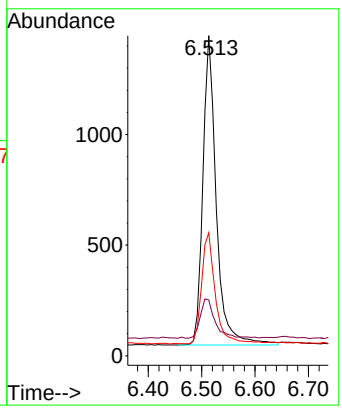




#5
Phenol-d6
Concen: 0.375 ng
RT: 6.513 min Scan# 5(
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Tgt Ion: 99 Resp: 244

Ion	Ratio	Lower	Upper
99	100		
42	14.3	11.4	17.2
71	36.6	29.3	43.9



Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Manual Integrations
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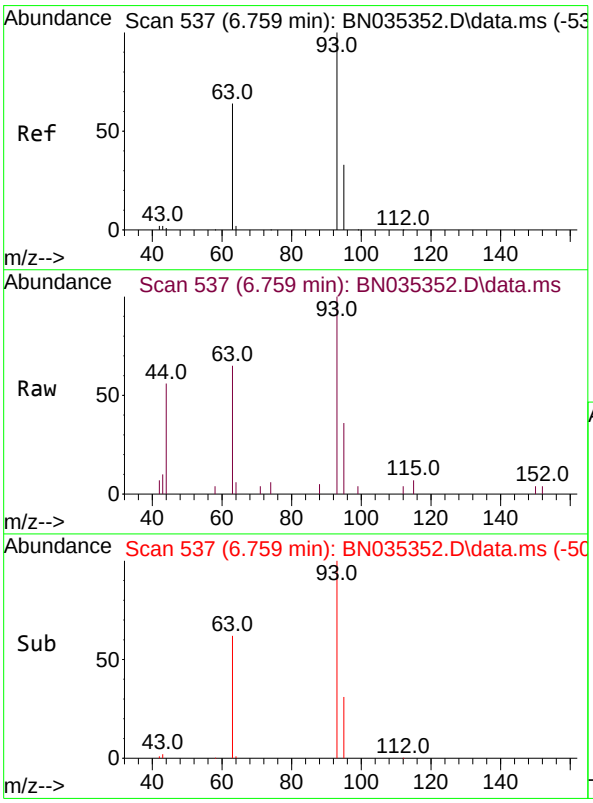
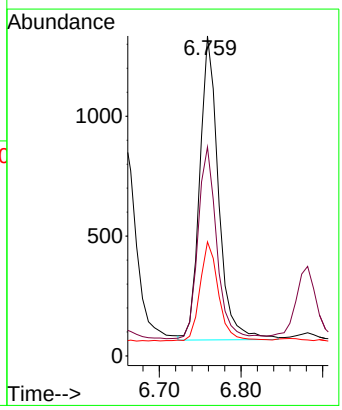
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 12/03/2024

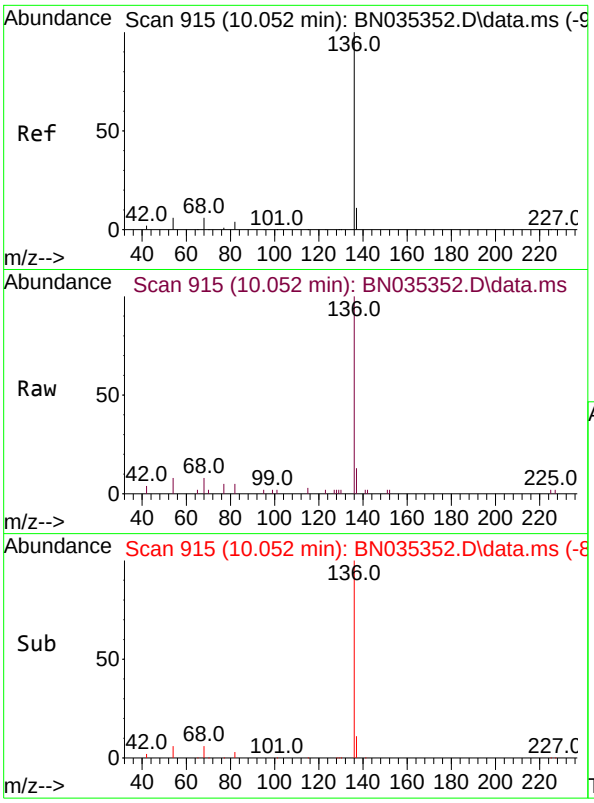


#6
bis(2-Chloroethyl)ether
Concen: 0.415 ng
RT: 6.759 min Scan# 537
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Tgt Ion: 93 Resp: 2032

Ion	Ratio	Lower	Upper
93	100		
63	63.0	50.4	75.6
95	32.1	25.7	38.5

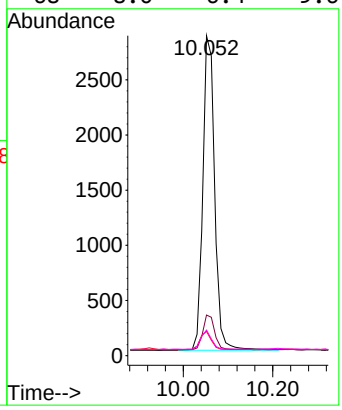




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.052 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Tgt Ion:136 Resp: 522

Ion	Ratio	Lower	Upper
136	100		
137	12.7	10.2	15.2
54	7.6	6.1	9.1
68	8.0	6.4	9.6



Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

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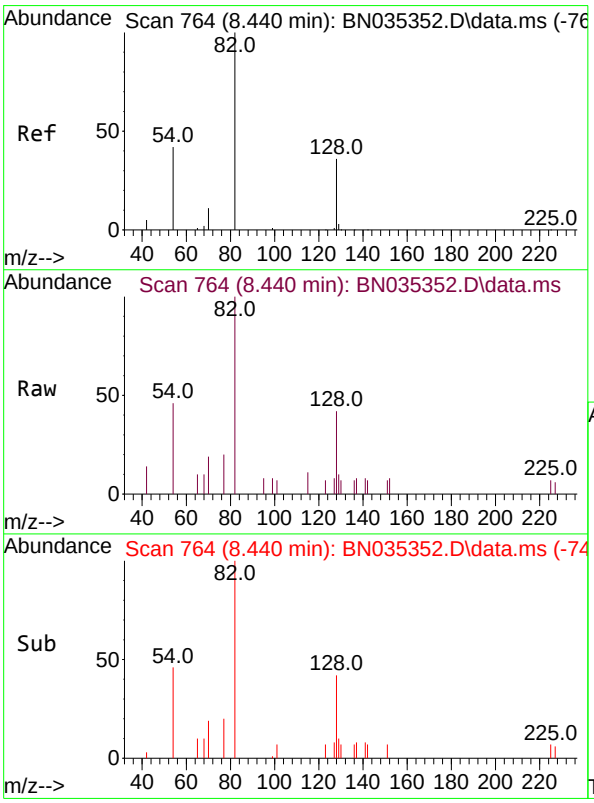
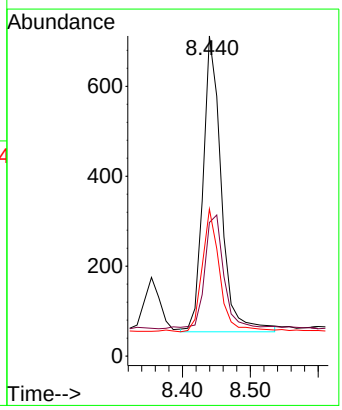
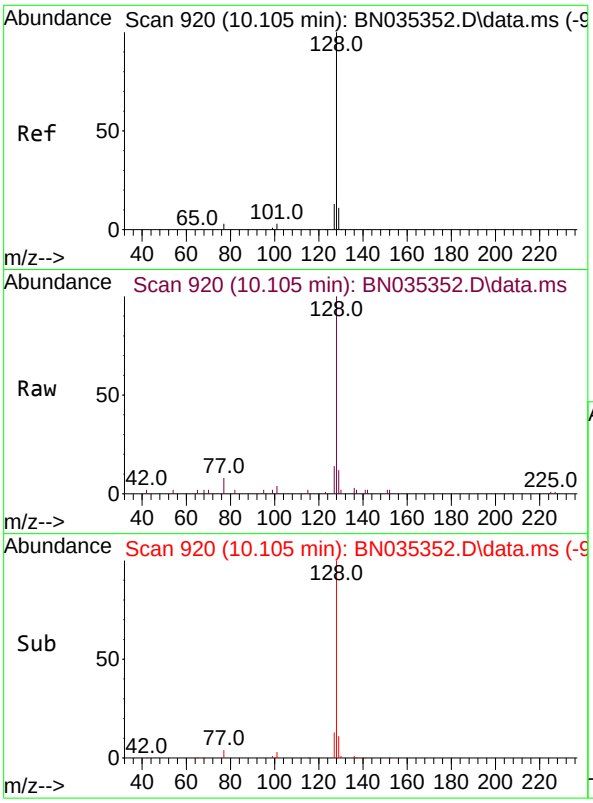


#8
Nitrobenzene-d5
Concen: 0.270 ng m
RT: 8.440 min Scan# 764
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Tgt Ion: 82 Resp: 1228

Ion	Ratio	Lower	Upper
82	100		
128	41.7	33.4	50.0
54	45.9	36.7	55.1

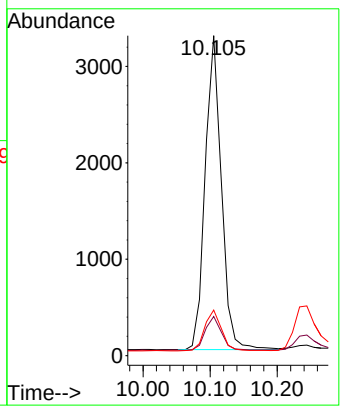




#9
Naphthalene
Concen: 0.401 ng
RT: 10.105 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Tgt Ion:128 Resp: 547

Ion	Ratio	Lower	Upper
128	100		
129	12.2	9.8	14.6
127	14.3	11.4	17.2



Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

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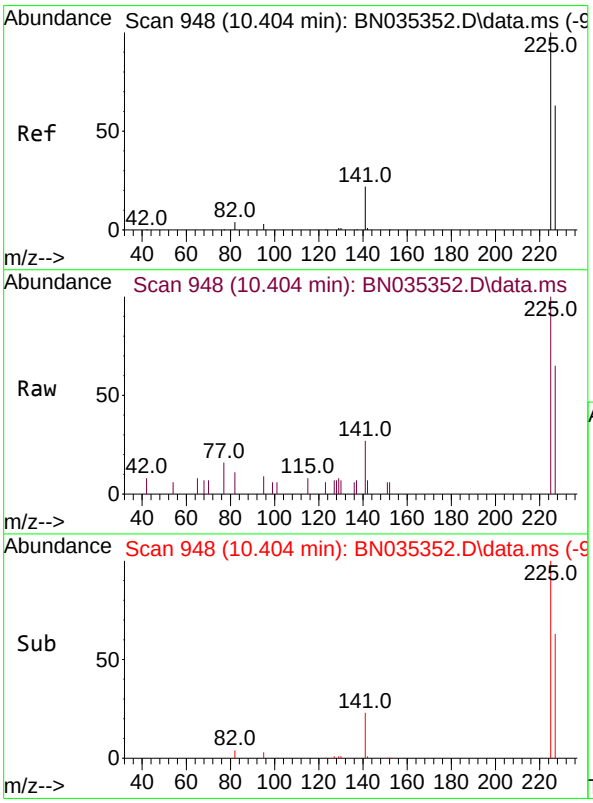
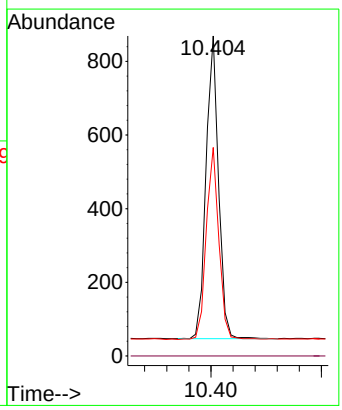
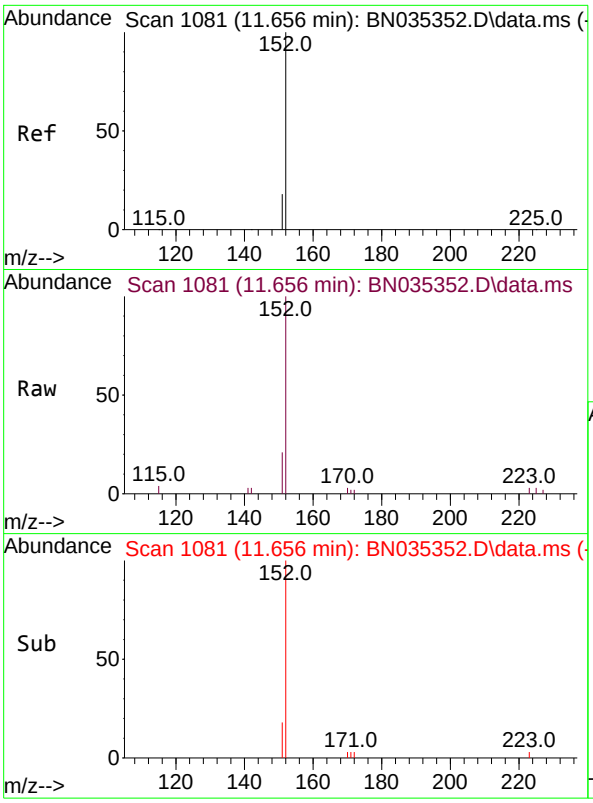


#10
Hexachlorobutadiene
Concen: 0.323 ng
RT: 10.404 min Scan# 948
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Tgt Ion:225 Resp: 1292

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.1	51.3	76.9





#11
2-Methylnaphthalene-d10
Concen: 0.347 ng
RT: 11.656 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Tgt Ion:152 Resp: 323

Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.6	25.0

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

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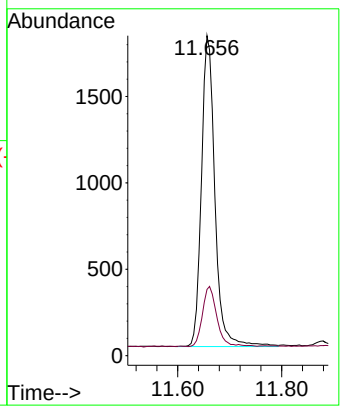
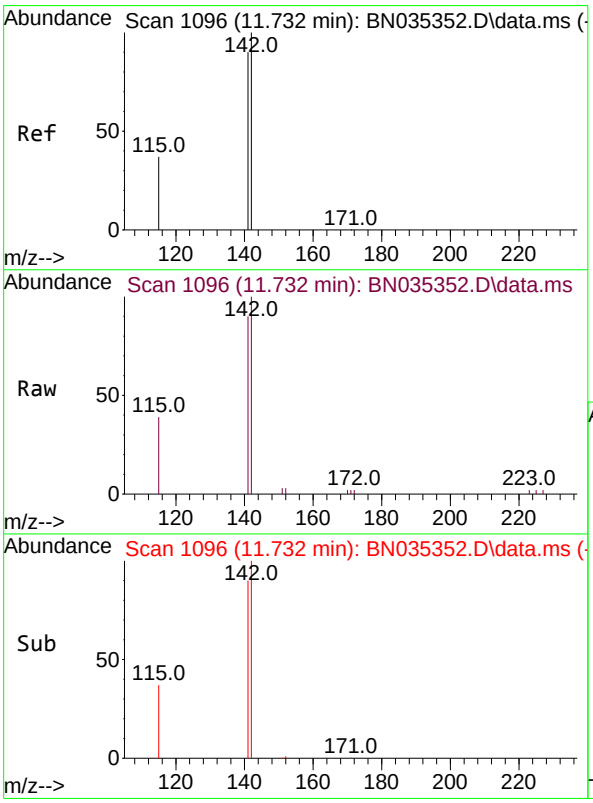
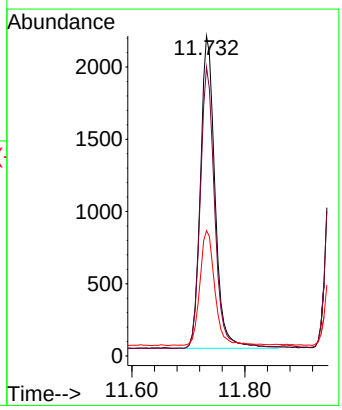


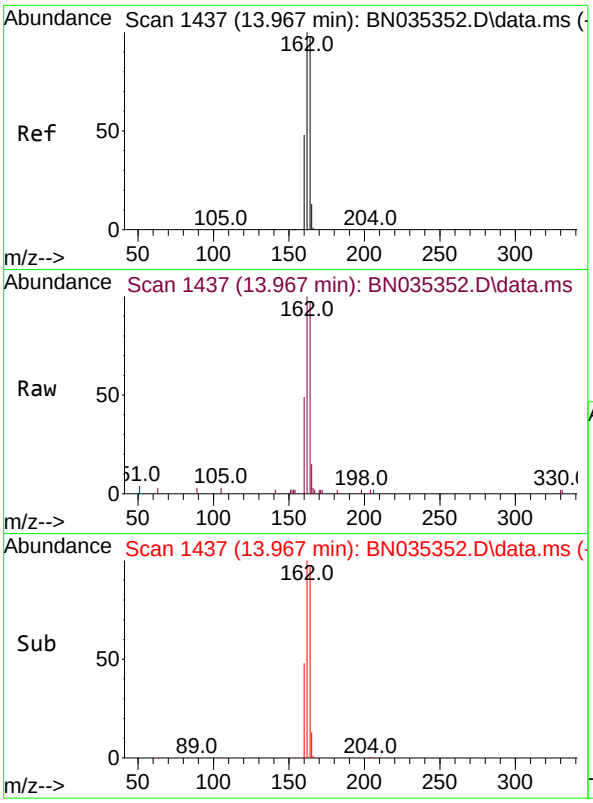


#12
2-Methylnaphthalene
Concen: 0.384 ng
RT: 11.732 min Scan# 1096
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Tgt Ion:142 Resp: 3867

Ion	Ratio	Lower	Upper
142	100		
141	90.3	72.2	108.4
115	39.2	31.4	47.0

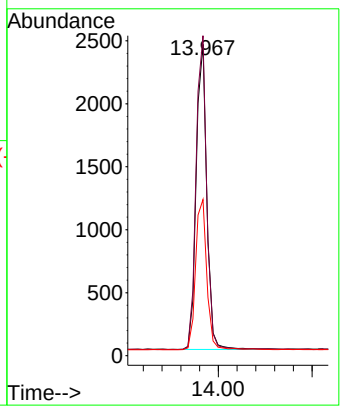




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.967 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Tgt Ion:164 Resp: 3799

Ion	Ratio	Lower	Upper
164	100		
162	102.7	82.2	123.2
160	50.1	40.1	60.1



Instrument :
BNA_N
ClientSampleId :
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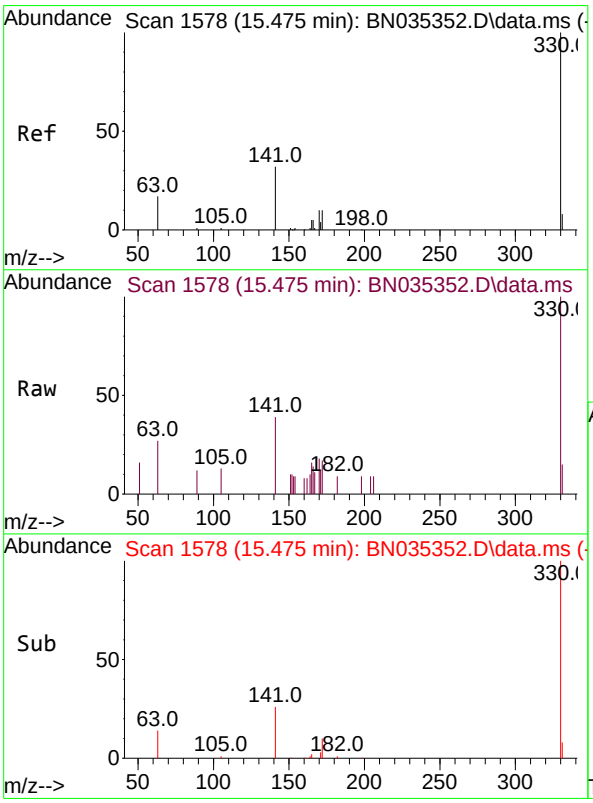
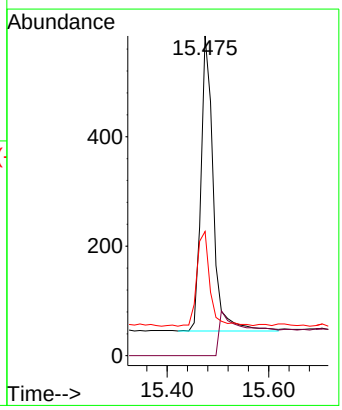
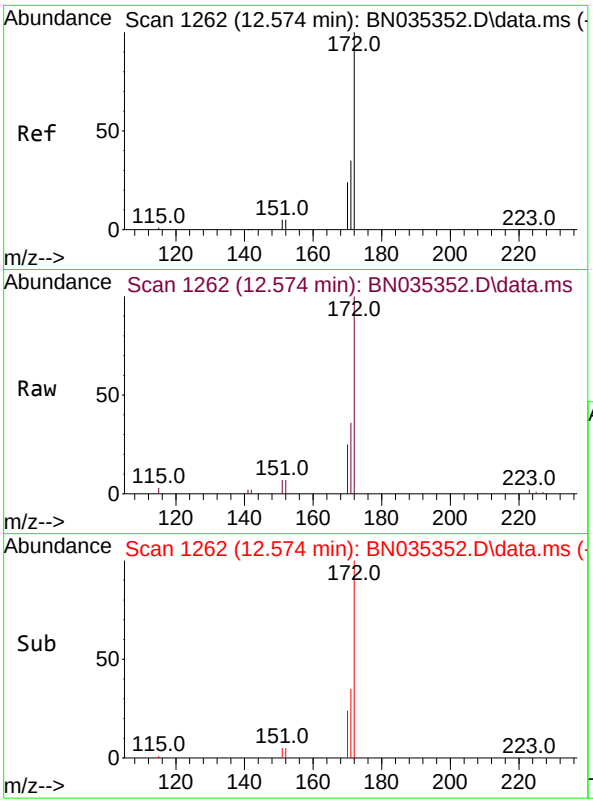


#14
2,4,6-Tribromophenol
Concen: 0.356 ng
RT: 15.475 min Scan# 1578
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Tgt Ion:330 Resp: 975

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	33.3	26.6	40.0

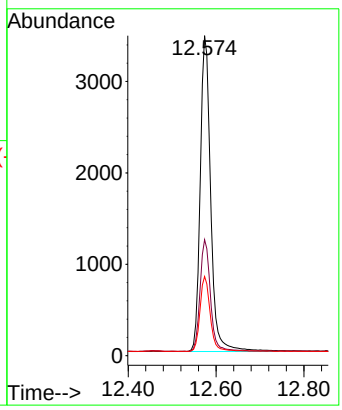




#15
2-Fluorobiphenyl
Concen: 0.372 ng
RT: 12.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Tgt Ion:172 Resp: 573

Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.0	43.4
170	24.8	19.8	29.8



Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

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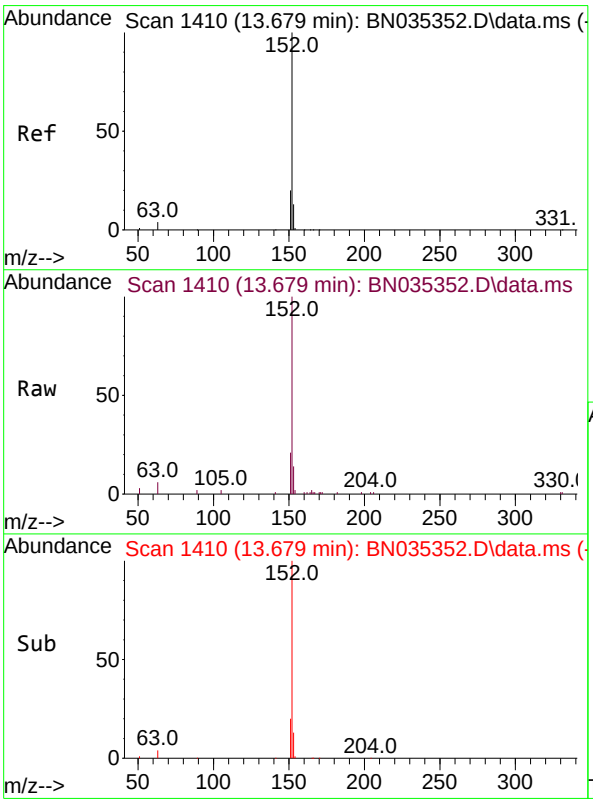
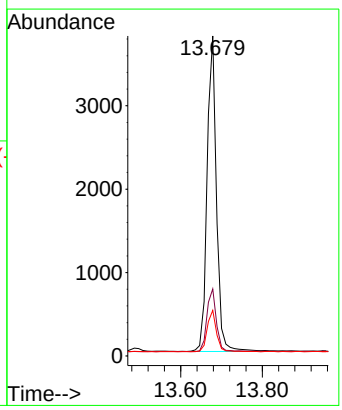
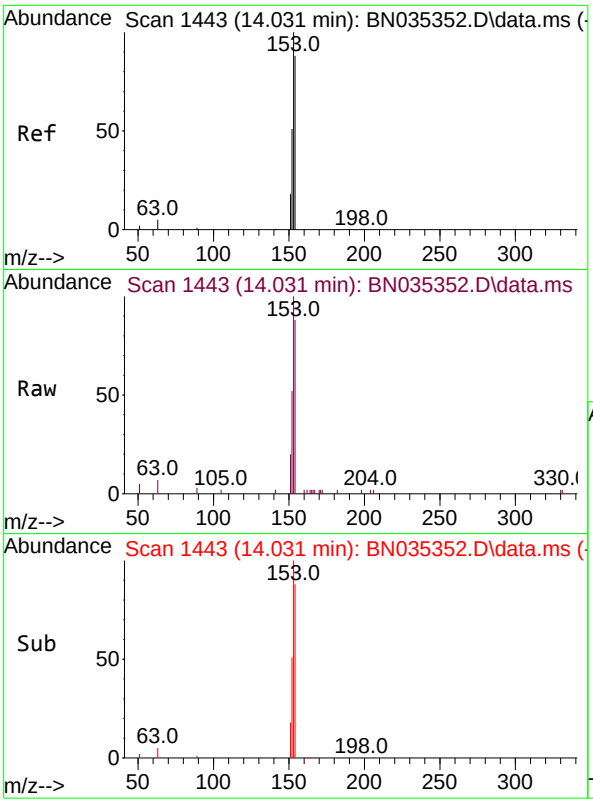


#16
Acenaphthylene
Concen: 0.373 ng
RT: 13.679 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Tgt Ion:152 Resp: 6058

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.2	24.2
153	13.0	10.4	15.6

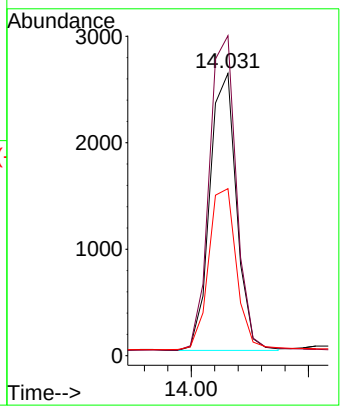




#17
Acenaphthene
Concen: 0.388 ng
RT: 14.031 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Tgt Ion:154 Resp: 412

Ion	Ratio	Lower	Upper
154	100		
153	115.8	92.6	139.0
152	61.3	49.0	73.6



Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

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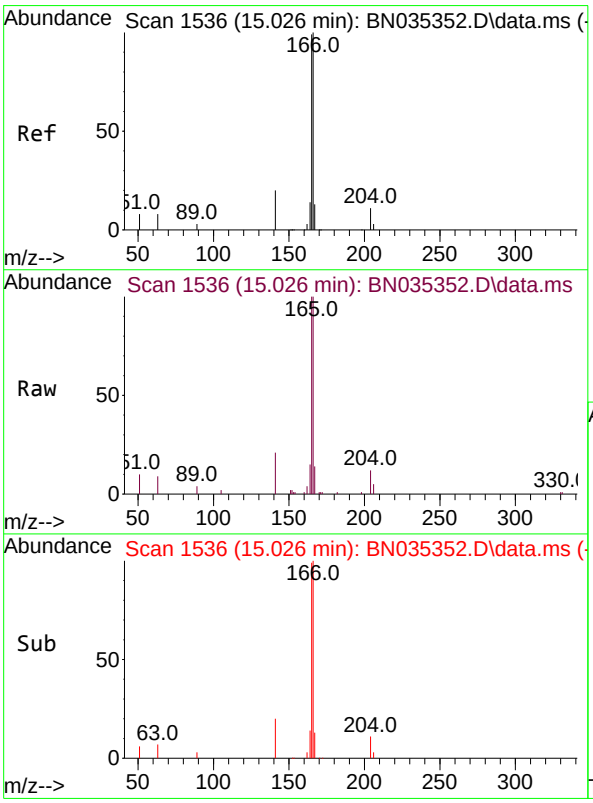
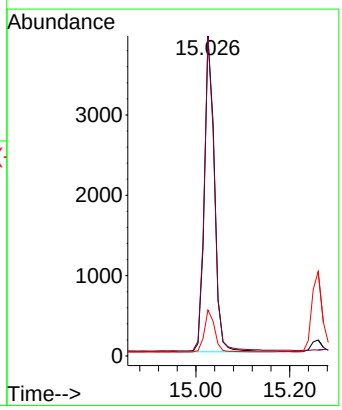
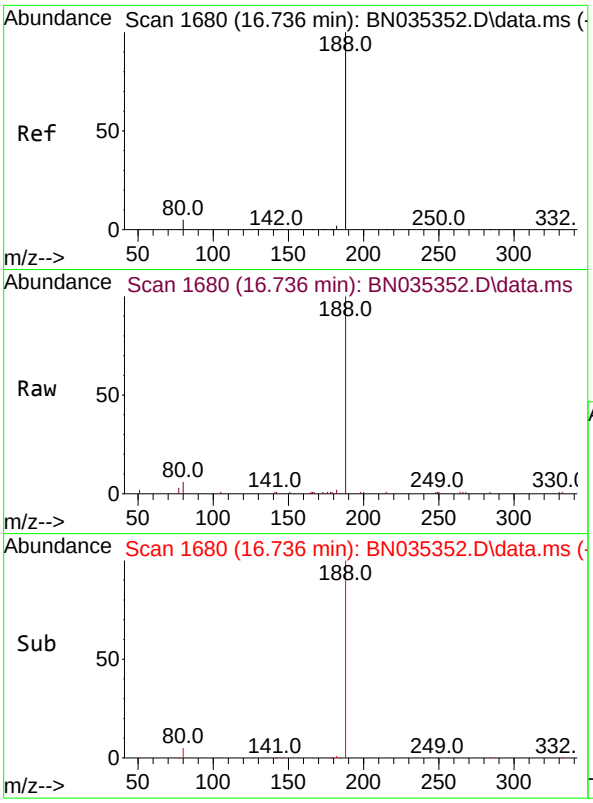


#18
Fluorene
Concen: 0.375 ng
RT: 15.026 min Scan# 1536
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Tgt Ion:166 Resp: 5863

Ion	Ratio	Lower	Upper
166	100		
165	99.6	79.7	119.5
167	13.5	10.8	16.2

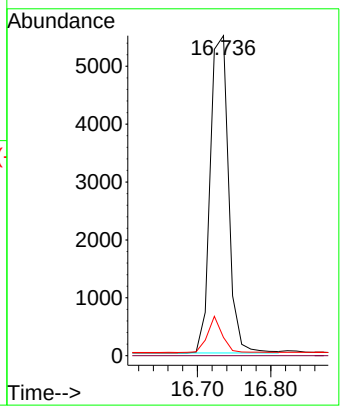




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.736 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Tgt Ion:188 Resp: 949(

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	5.7	4.6	6.8



Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

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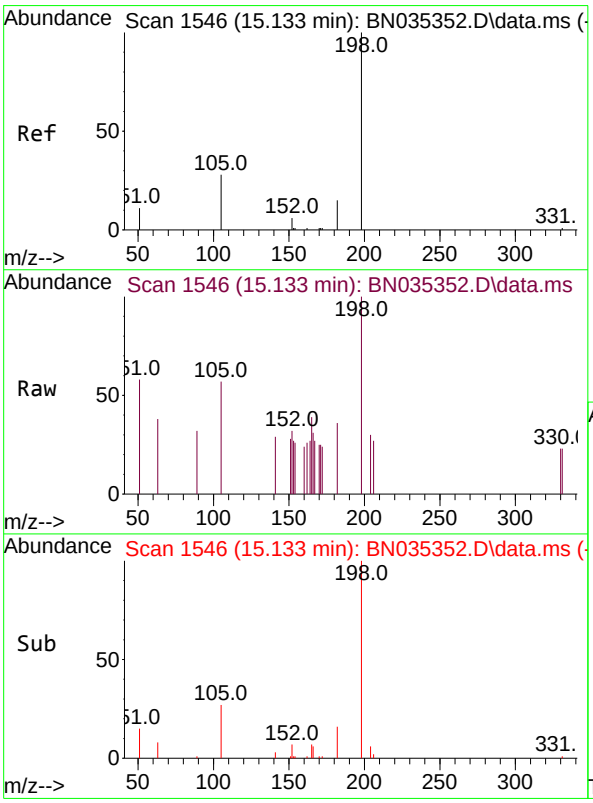
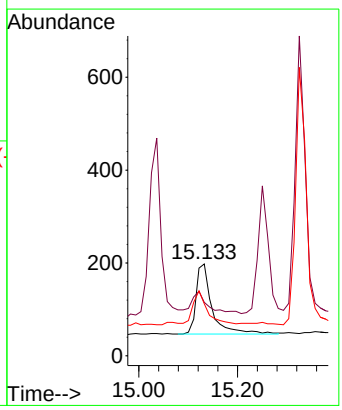
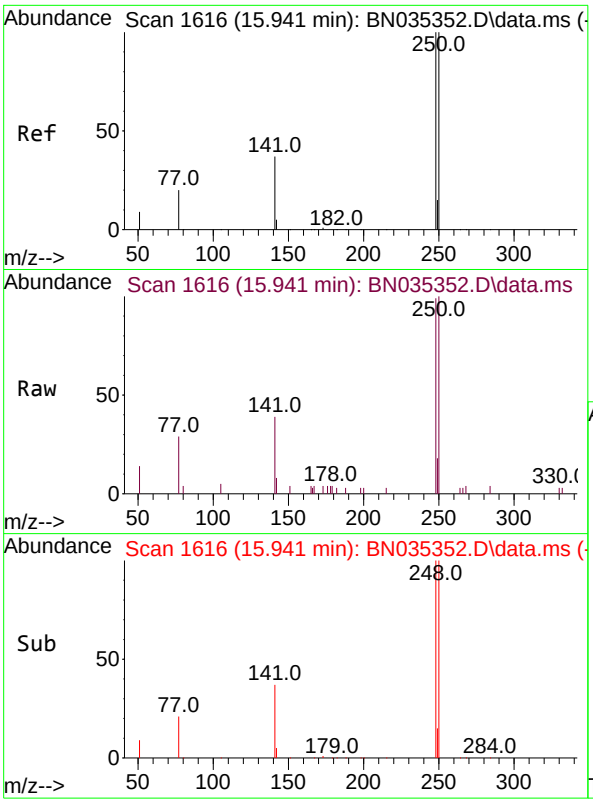


#20
4,6-Dinitro-2-methylphenol
Concen: 0.171 ng
RT: 15.133 min Scan# 1546
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Tgt Ion:198 Resp: 337

Ion	Ratio	Lower	Upper
198	100		
51	58.1	46.5	69.7
105	56.6	45.3	67.9





#21
4-Bromophenyl-phenylether
Concen: 0.355 ng
RT: 15.941 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Tgt Ion:248 Resp: 214(

Ion	Ratio	Lower	Upper
248	100		
250	100.7	80.6	120.8
141	39.4	31.5	47.3

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

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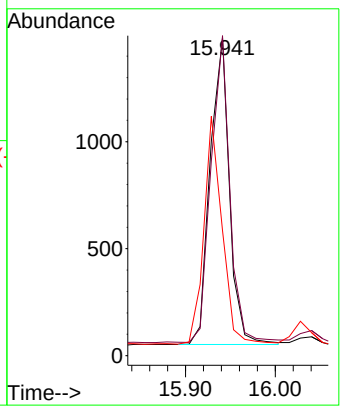
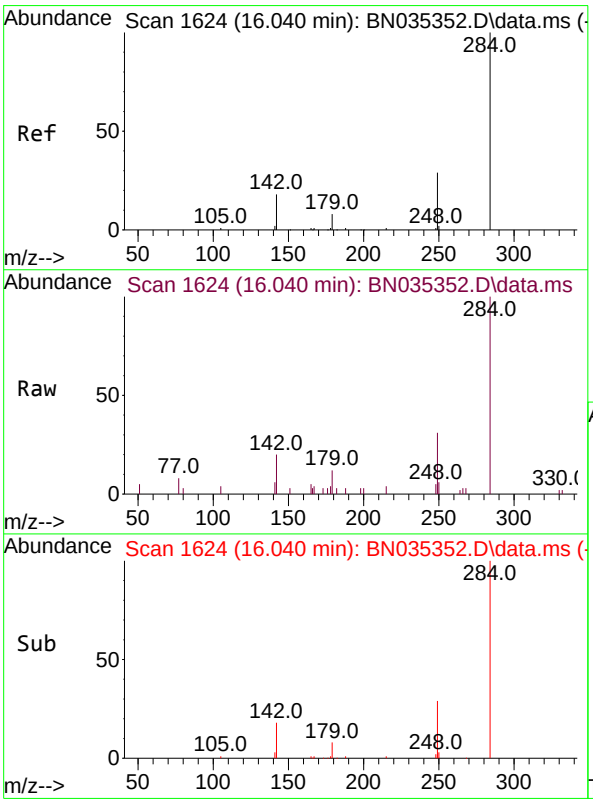
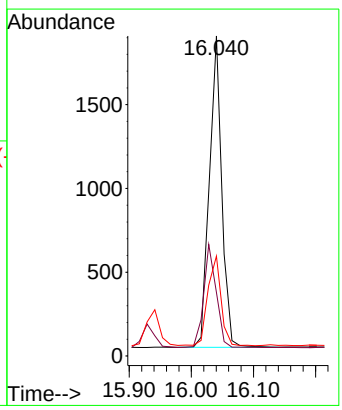


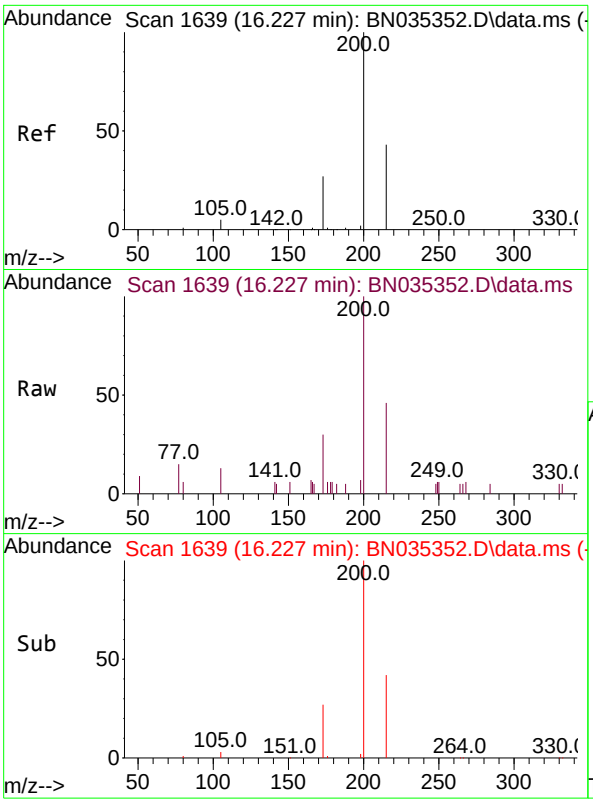


#22
Hexachlorobenzene
Concen: 0.413 ng
RT: 16.040 min Scan# 1624
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Tgt Ion:284 Resp: 2590

Ion	Ratio	Lower	Upper
284	100		
142	33.4	26.7	40.1
249	30.7	24.6	36.8

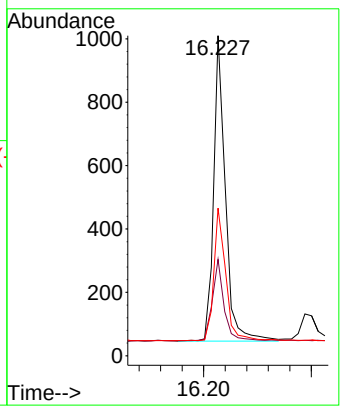




#23
Atrazine
Concen: 0.269 ng
RT: 16.227 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Tgt Ion:200 Resp: 146

Ion	Ratio	Lower	Upper
200	100		
173	30.1	24.1	36.1
215	46.1	36.9	55.3



Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

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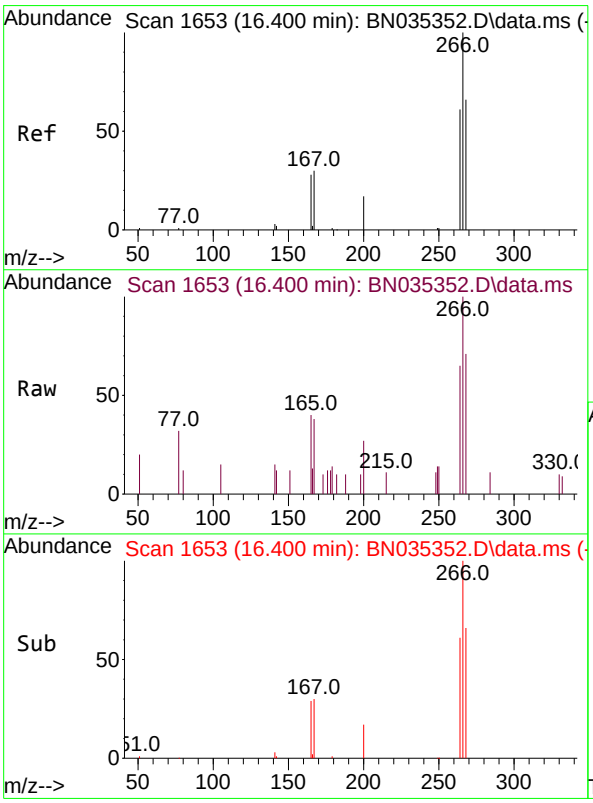
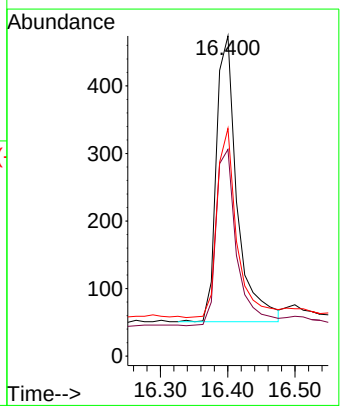
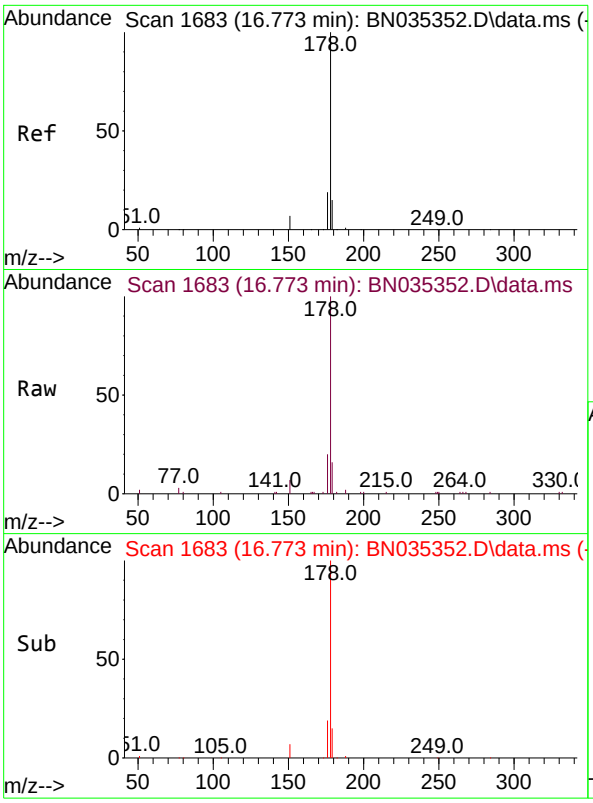


#24
Pentachlorophenol
Concen: 0.309 ng
RT: 16.400 min Scan# 1653
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Tgt Ion:266 Resp: 906

Ion	Ratio	Lower	Upper
266	100		
264	62.4	42.3	63.5
268	63.8	43.3	64.9

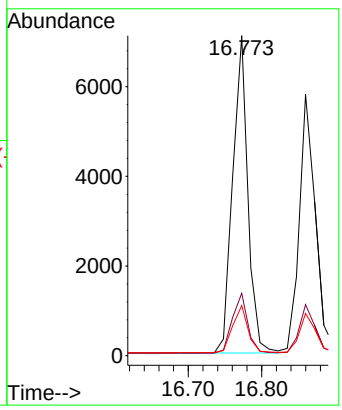




#25
Phenanthrene
Concen: 0.405 ng
RT: 16.773 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Tgt Ion:178 Resp: 1012

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.4	12.3	18.5



Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

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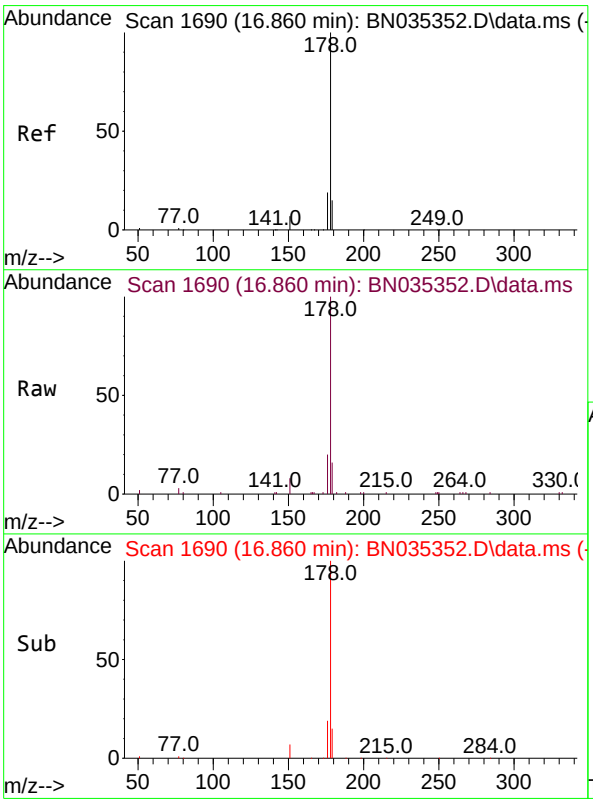
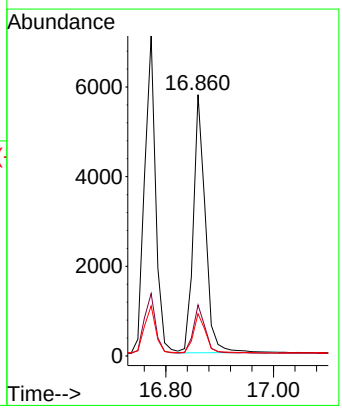
Supervised By :mohammad ahmed 12/03/2024

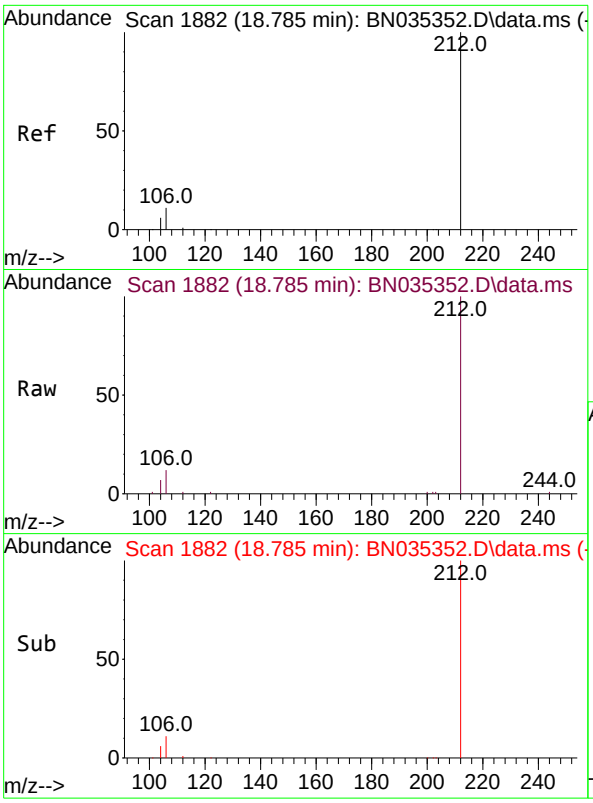


#26
Anthracene
Concen: 0.389 ng
RT: 16.860 min Scan# 1690
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Tgt Ion:178 Resp: 8921

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.6
179	15.7	12.6	18.8

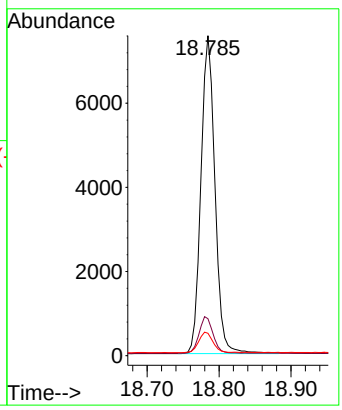




#27
Fluoranthene-d10
Concen: 0.352 ng
RT: 18.785 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Tgt Ion:212 Resp: 1022

Ion	Ratio	Lower	Upper
212	100		
106	11.5	9.2	13.8
104	6.6	5.3	7.9



Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

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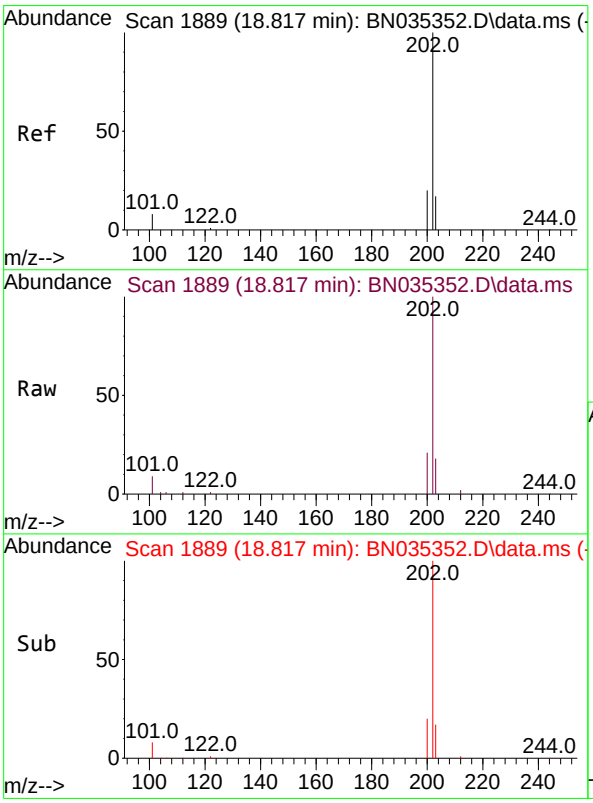
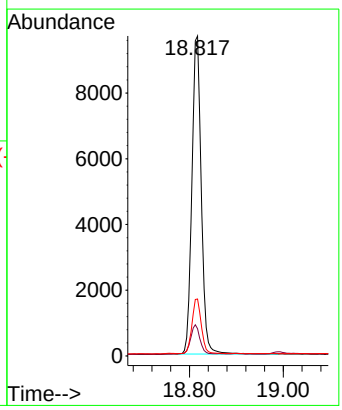
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 12/03/2024

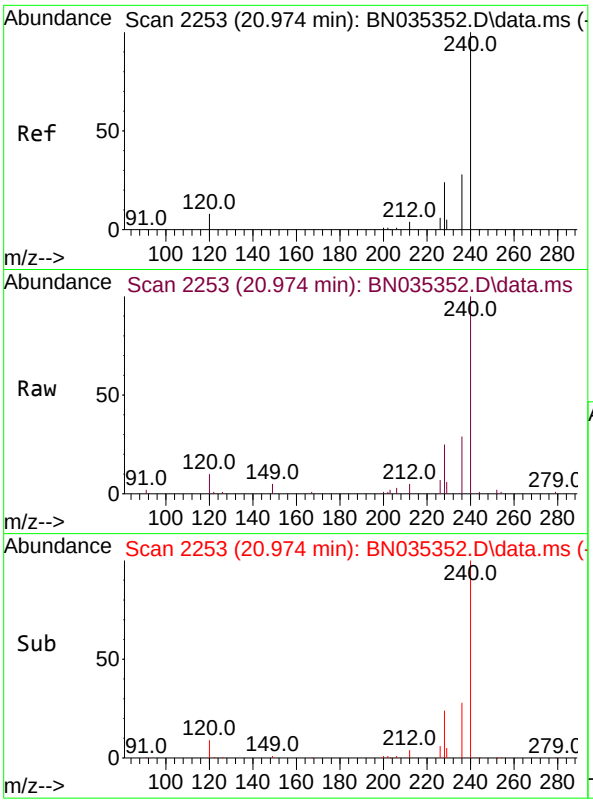


#28
Fluoranthene
Concen: 0.391 ng
RT: 18.817 min Scan# 1889
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Tgt Ion:202 Resp: 13438

Ion	Ratio	Lower	Upper
202	100		
101	9.2	7.4	11.0
203	17.1	13.7	20.5

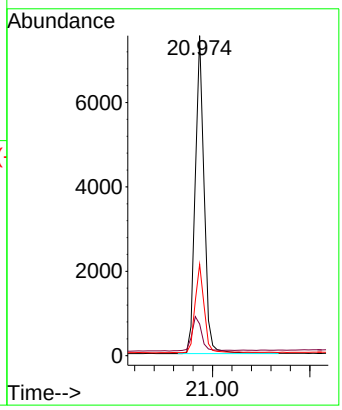




#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.974 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Tgt Ion:240 Resp: 952

Ion	Ratio	Lower	Upper
240	100		
120	9.9	7.9	11.9
236	28.6	22.9	34.3



Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Manual Integrations
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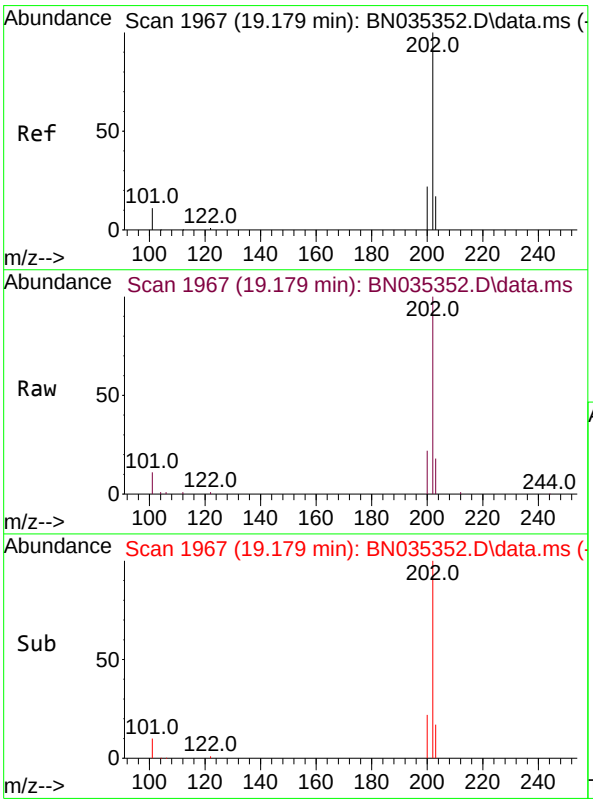
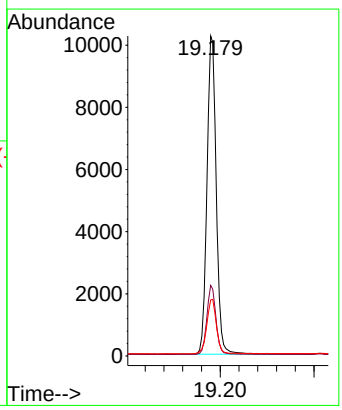
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 12/03/2024

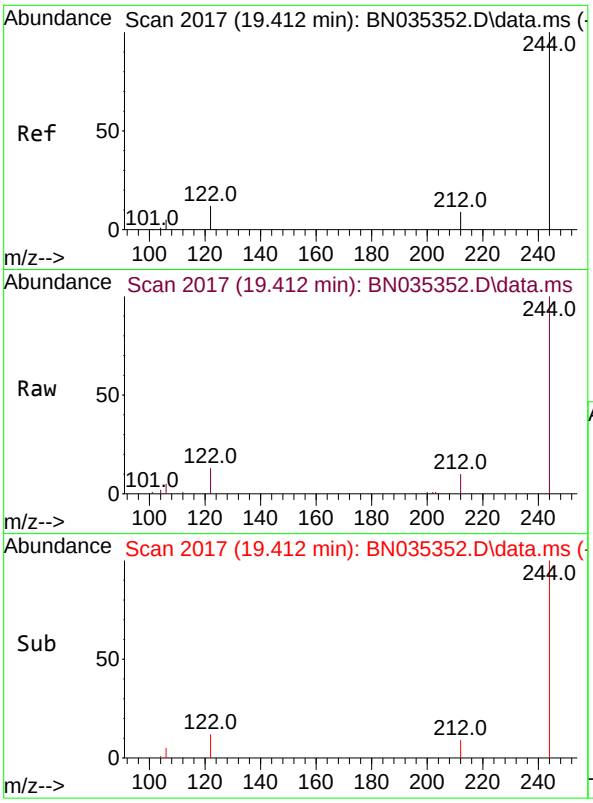


#30
Pyrene
Concen: 0.443 ng
RT: 19.179 min Scan# 1967
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Tgt Ion:202 Resp: 14053

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.4
203	17.9	14.3	21.5

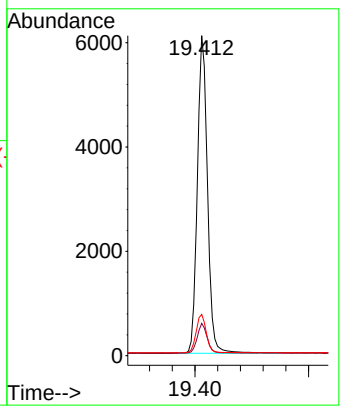




#31
Terphenyl-d14
Concen: 0.377 ng
RT: 19.412 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Tgt Ion:244 Resp: 753

Ion	Ratio	Lower	Upper
244	100		
212	10.1	8.1	12.1
122	12.9	10.3	15.5



Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

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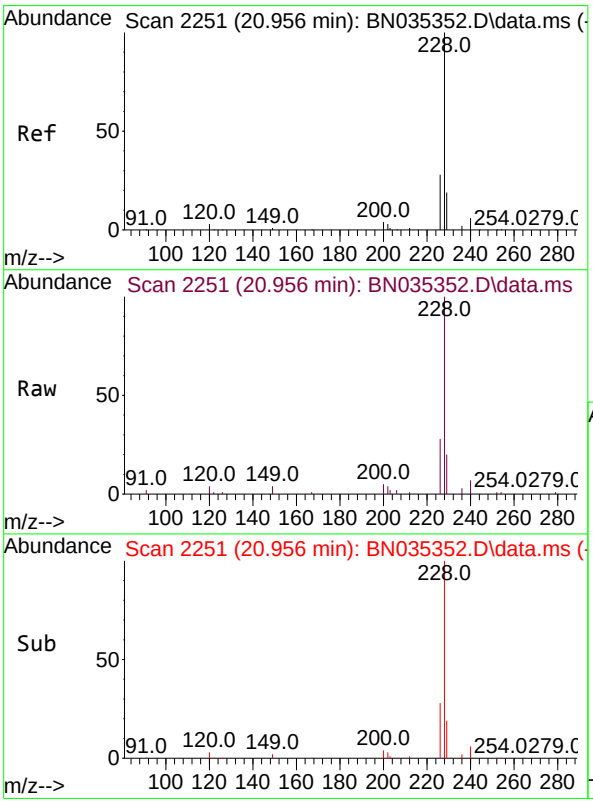
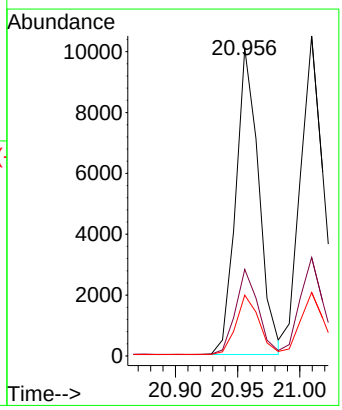
Supervised By :mohammad ahmed 12/03/2024

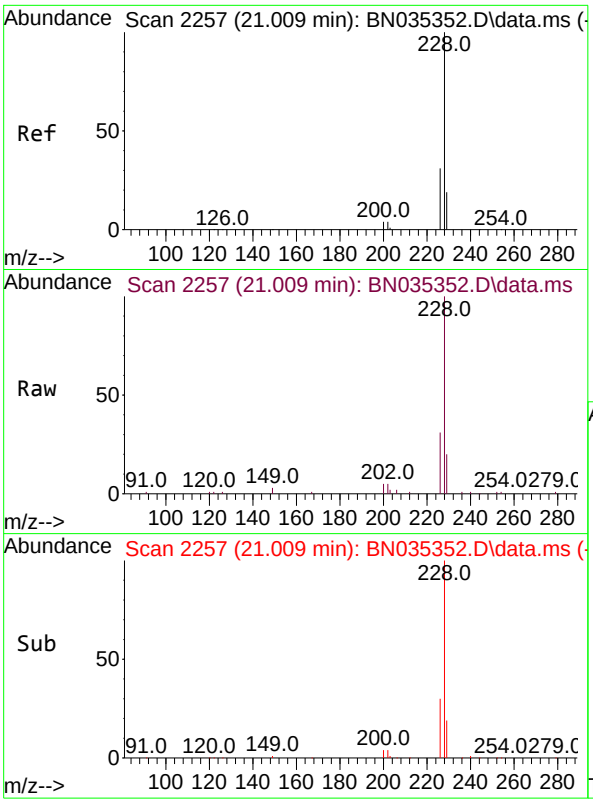


#32
Benzo(a)anthracene
Concen: 0.389 ng
RT: 20.956 min Scan# 2251
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Tgt Ion:228 Resp: 12908

Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.5	33.7
229	19.8	15.8	23.8

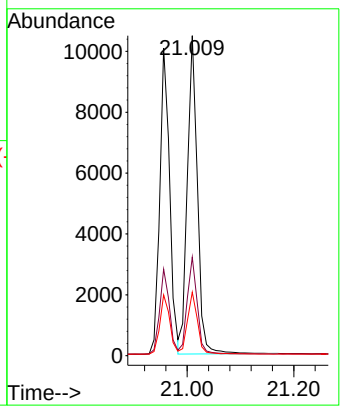




#33
Chrysene
Concen: 0.418 ng
RT: 21.009 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Tgt Ion:228 Resp: 1372

Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.6	37.0
229	19.9	15.9	23.9



Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

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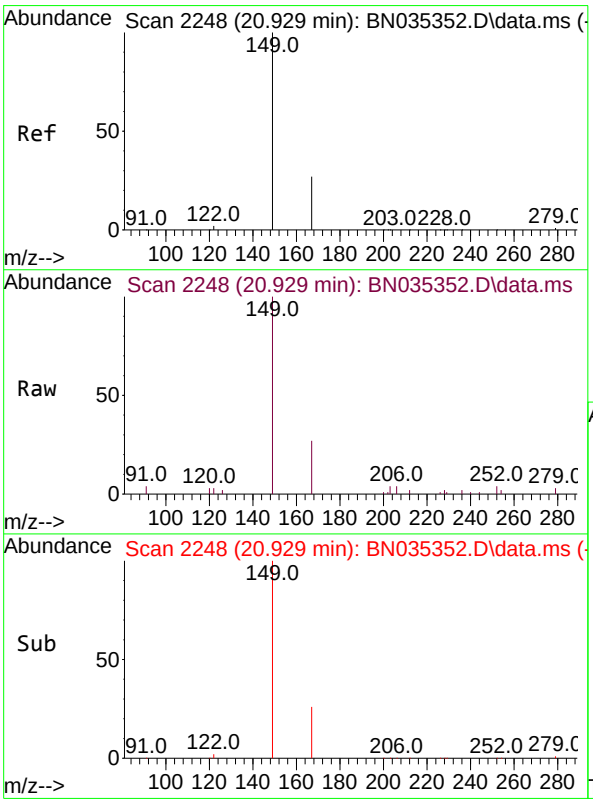
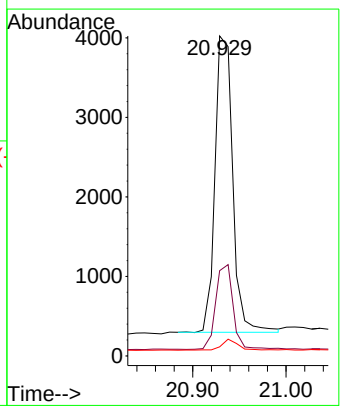
Supervised By :mohammad ahmed 12/03/2024

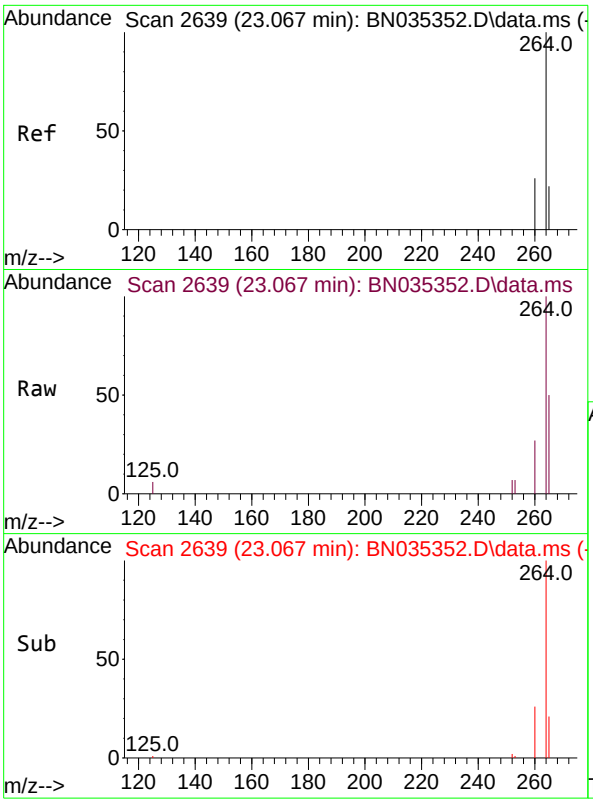


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.282 ng
RT: 20.929 min Scan# 2248
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Tgt Ion:149 Resp: 4912

Ion	Ratio	Lower	Upper
149	100		
167	27.8	22.2	33.4
279	3.4	2.7	4.1

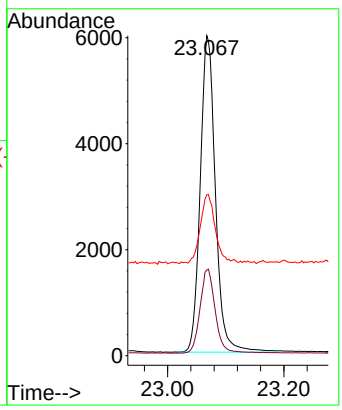




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.067 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Tgt Ion:264 Resp: 1084

Ion	Ratio	Lower	Upper
264	100		
260	26.8	21.4	32.2
265	50.3	40.2	60.4



Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

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Reviewed By :Yogesh Patel 11/29/2024
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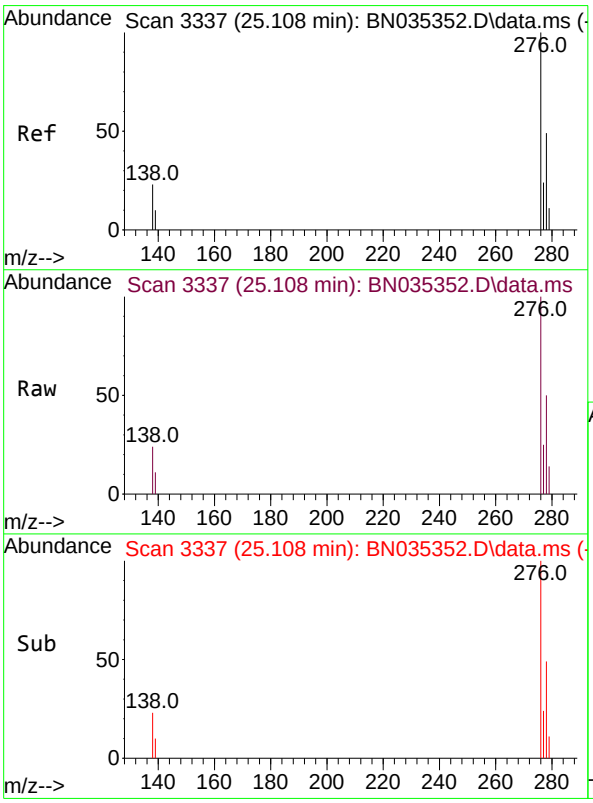
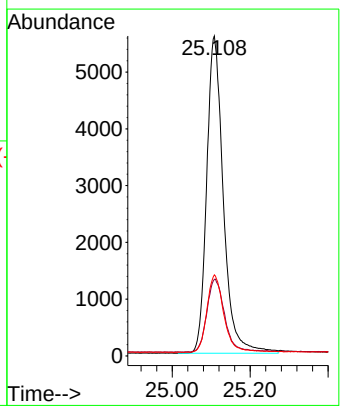
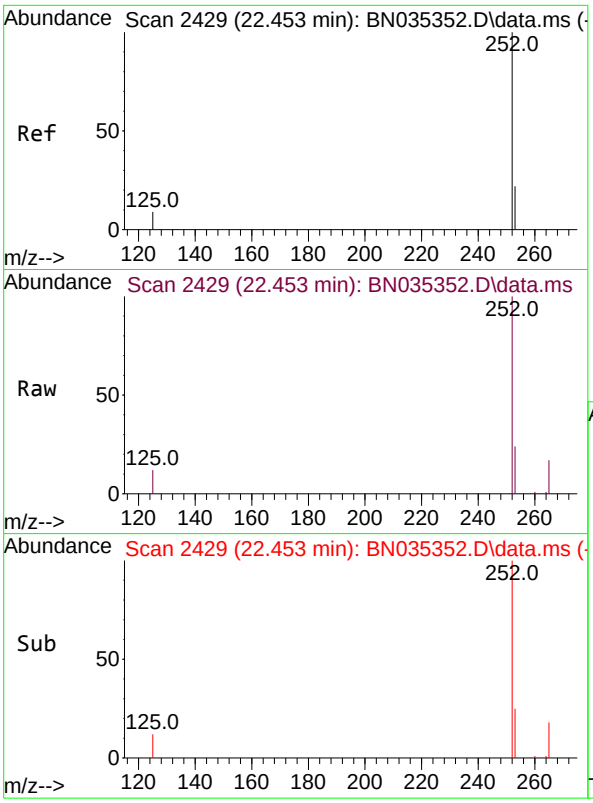


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.384 ng
RT: 25.108 min Scan# 3337
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Tgt Ion:276 Resp: 16615

Ion	Ratio	Lower	Upper
276	100		
138	24.2	19.4	29.0
277	24.7	19.8	29.6

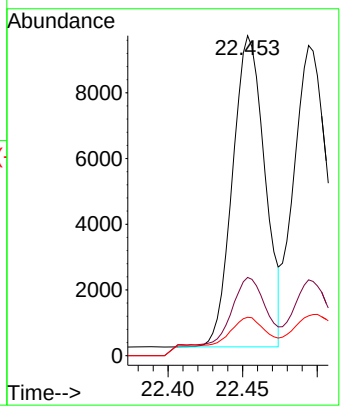




#37
Benzo(b)fluoranthene
Concen: 0.390 ng
RT: 22.453 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Tgt Ion:252 Resp: 1423

Ion	Ratio	Lower	Upper
252	100		
253	24.5	19.6	29.4
125	12.0	9.6	14.4



Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

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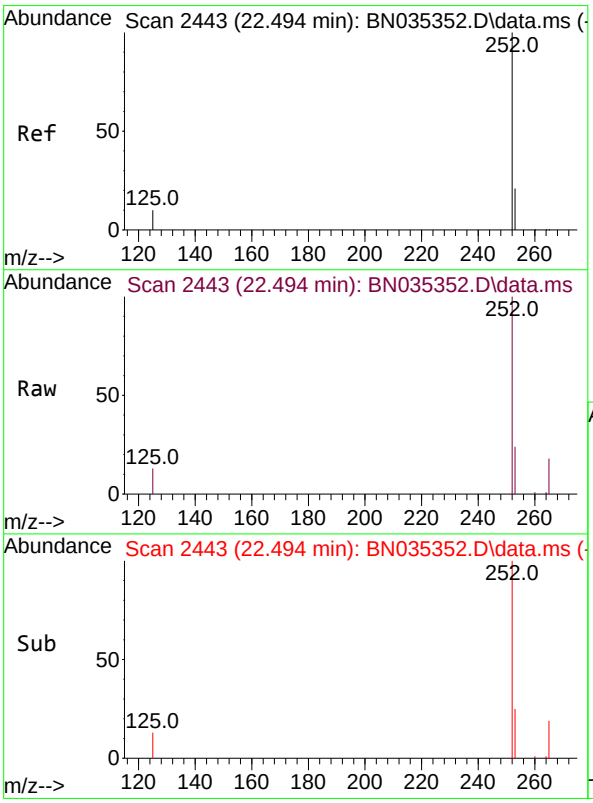
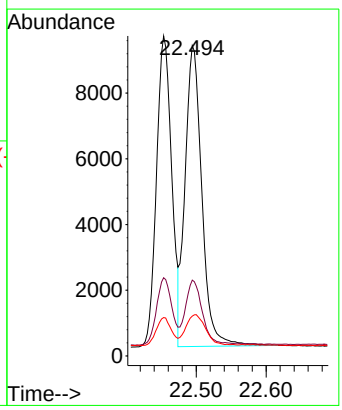
Supervised By :mohammad ahmed 12/03/2024

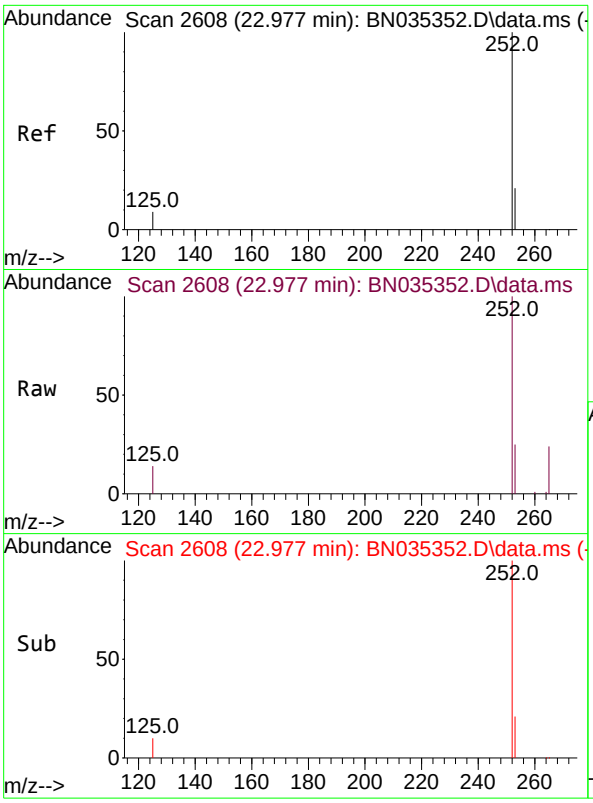


#38
Benzo(k)fluoranthene
Concen: 0.416 ng
RT: 22.494 min Scan# 2443
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Tgt Ion:252 Resp: 15199

Ion	Ratio	Lower	Upper
252	100		
253	24.4	19.5	29.3
125	12.8	10.2	15.4

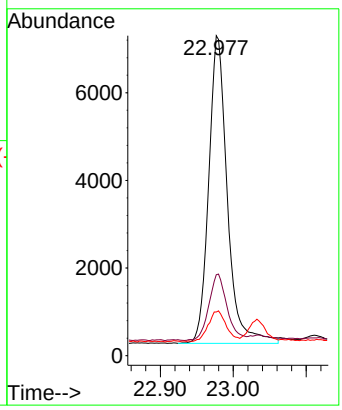




#39
Benzo(a)pyrene
Concen: 0.387 ng
RT: 22.977 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Tgt Ion:252 Resp: 1242

Ion	Ratio	Lower	Upper
252	100		
253	25.3	20.2	30.4
125	13.6	10.9	16.3



Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/29/2024
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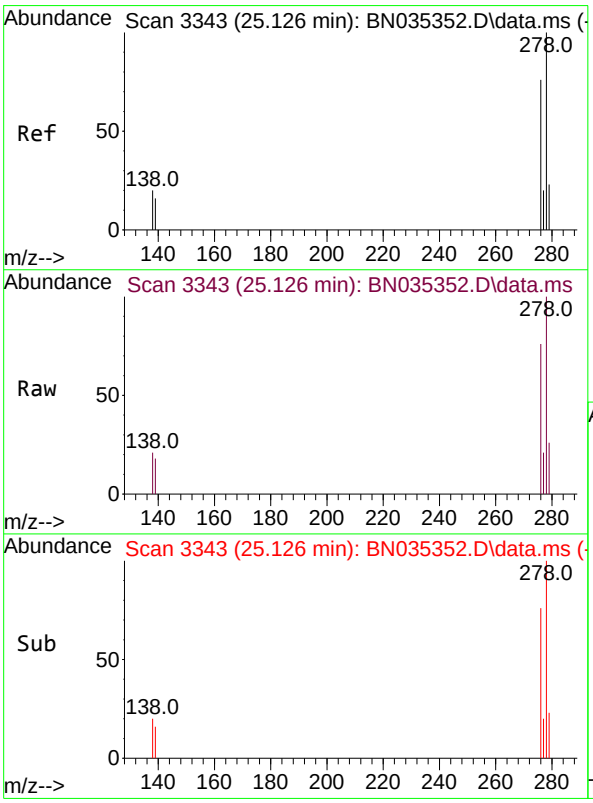
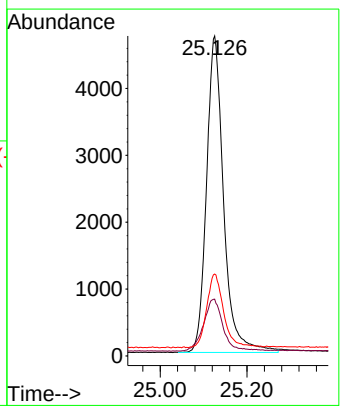
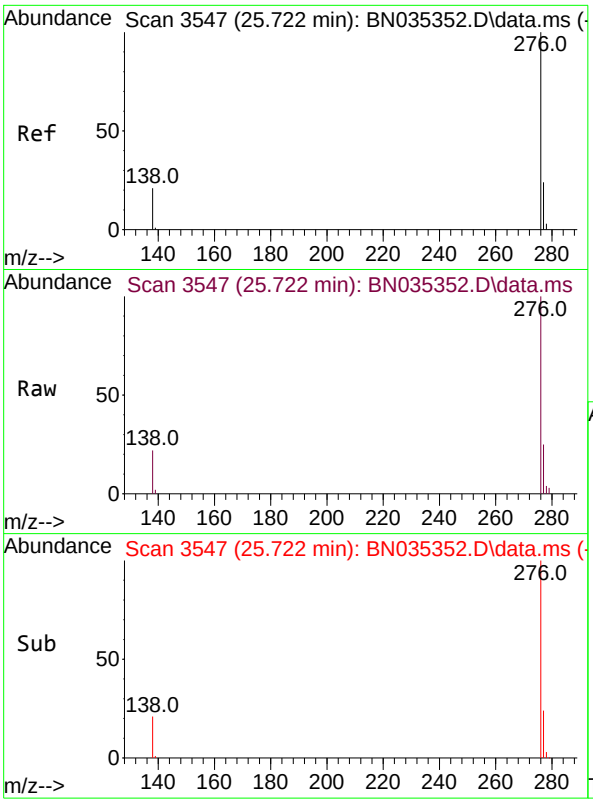


#40
Dibenzo(a,h)anthracene
Concen: 0.378 ng
RT: 25.126 min Scan# 3343
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Tgt Ion:278 Resp: 12948

Ion	Ratio	Lower	Upper
278	100		
139	17.8	14.2	21.4
279	25.6	20.5	30.7

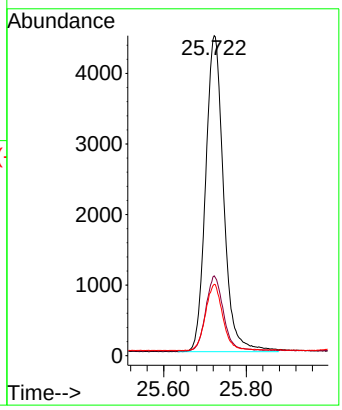




#41
Benzo(g,h,i)perylene
Concen: 0.371 ng
RT: 25.722 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Tgt Ion:276 Resp: 1352

Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.9	29.9
138	22.3	17.8	26.8



Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 12/03/2024

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
Data File : BN035353.D
Acq On : 27 Nov 2024 17:21
Operator : RC/JU
Sample : SSTDICC0.8
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Quant Time: Nov 27 22:53:10 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 27 22:48:24 2024
Response via : Initial Calibration

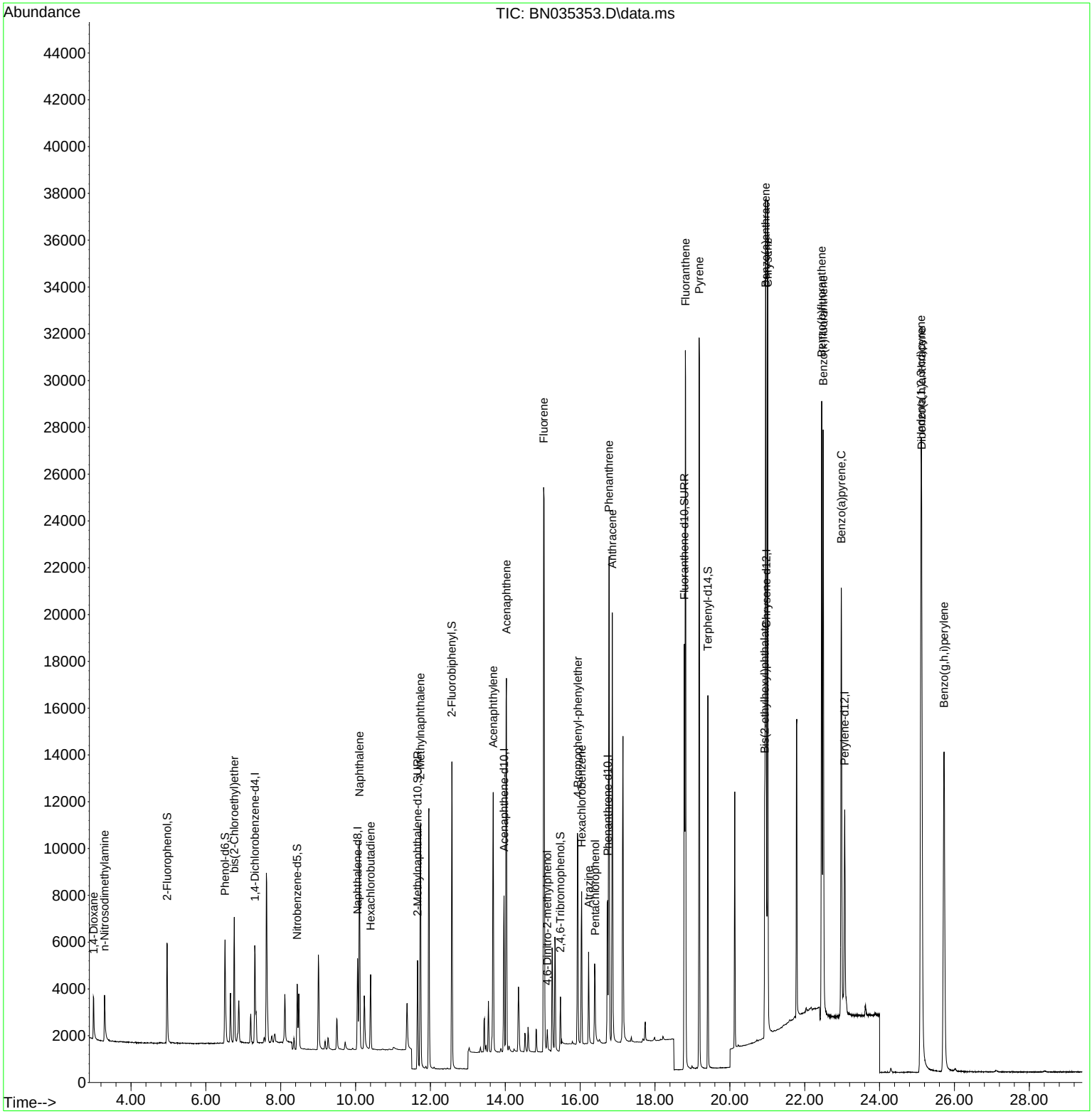
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.308	152	2047	0.400	ng		0.00
7) Naphthalene-d8	10.052	136	5308	0.400	ng		0.00
13) Acenaphthene-d10	13.967	164	3823	0.400	ng		0.00
19) Phenanthrene-d10	16.736	188	9525	0.400	ng		0.00
29) Chrysene-d12	20.974	240	9837	0.400	ng		0.00
35) Perylene-d12	23.067	264	10698	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	4.968	112	3924	0.755	ng		0.00
5) Phenol-d6	6.513	99	4681	0.718	ng		0.00
8) Nitrobenzene-d5	8.440	82	2634	0.570	ng		0.00
11) 2-Methylnaphthalene-d10	11.656	152	6530	0.690	ng		0.00
14) 2,4,6-Tribromophenol	15.475	330	2051	0.744	ng		0.00
15) 2-Fluorobiphenyl	12.574	172	11528	0.742	ng		0.00
27) Fluoranthene-d10	18.785	212	21050	0.721	ng		0.00
31) Terphenyl-d14	19.412	244	15171	0.735	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.003	88	1554	0.836	ng		99
3) n-Nitrosodimethylamine	3.292	42	1291	0.745	ng	#	98
6) bis(2-Chloroethyl)ether	6.759	93	4066	0.831	ng		100
9) Naphthalene	10.105	128	10954	0.790	ng		99
10) Hexachlorobutadiene	10.404	225	2559	0.630	ng	#	100
12) 2-Methylnaphthalene	11.732	142	7925	0.775	ng		99
16) Acenaphthylene	13.679	152	12523	0.766	ng		100
17) Acenaphthene	14.031	154	8470	0.791	ng		99
18) Fluorene	15.026	166	12232	0.777	ng		99
20) 4,6-Dinitro-2-methylph...	15.122	198	784	0.395	ng	#	88
21) 4-Bromophenyl-phenylether	15.941	248	4440	0.732	ng		98
22) Hexachlorobenzene	16.041	284	5253	0.834	ng		99
23) Atrazine	16.227	200	2978	0.547	ng		99
24) Pentachlorophenol	16.400	266	1968	0.669	ng		87
25) Phenanthrene	16.773	178	20803	0.830	ng		100
26) Anthracene	16.860	178	18528	0.805	ng		99
28) Fluoranthene	18.813	202	27743	0.805	ng		100
30) Pyrene	19.180	202	28384	0.866	ng		100
32) Benzo(a)anthracene	20.956	228	27048	0.790	ng		99
33) Chrysene	21.010	228	27838	0.820	ng		99
34) Bis(2-ethylhexyl)phtha...	20.929	149	9941	0.553	ng		100
36) Indeno(1,2,3-cd)pyrene	25.108	276	33248	0.779	ng		100
37) Benzo(b)fluoranthene	22.453	252	29491	0.819	ng		96
38) Benzo(k)fluoranthene	22.494	252	30369	0.843	ng		96
39) Benzo(a)pyrene	22.977	252	25053	0.791	ng		96
40) Dibenzo(a,h)anthracene	25.123	278	26222	0.775	ng		98
41) Benzo(g,h,i)perylene	25.722	276	27143	0.755	ng		98

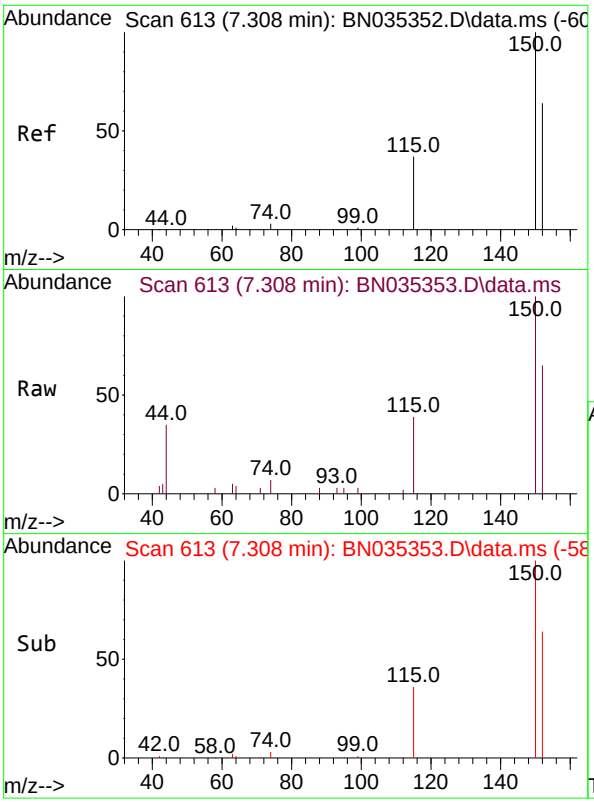
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
Data File : BN035353.D
Acq On : 27 Nov 2024 17:21
Operator : RC/JU
Sample : SSTDICC0.8
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Quant Time: Nov 27 22:53:10 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 27 22:48:24 2024
Response via : Initial Calibration



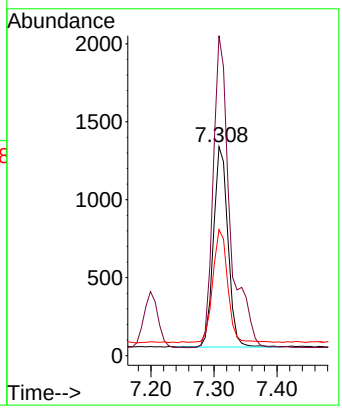


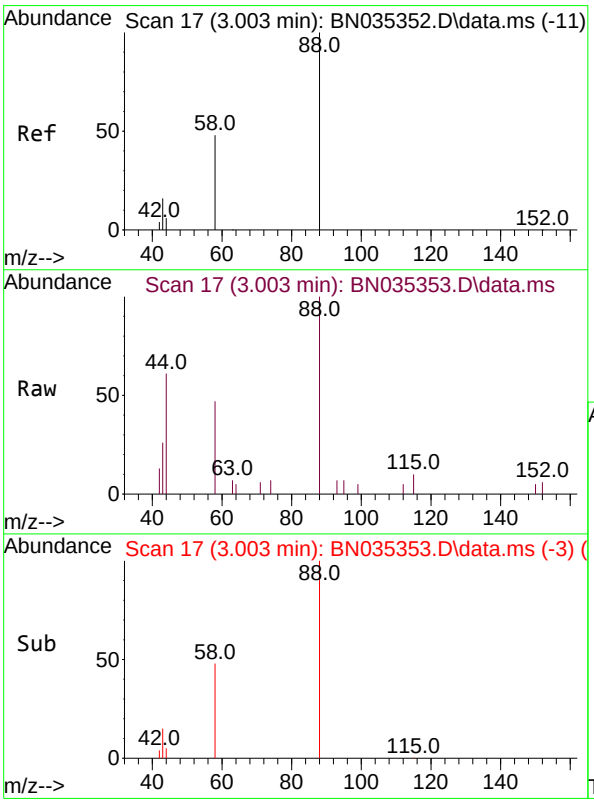
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.308 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN035353.D
Acq: 27 Nov 2024 17:21

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:152 Resp: 2047

Ion	Ratio	Lower	Upper
152	100		
150	153.1	124.0	186.0
115	60.3	49.6	74.4

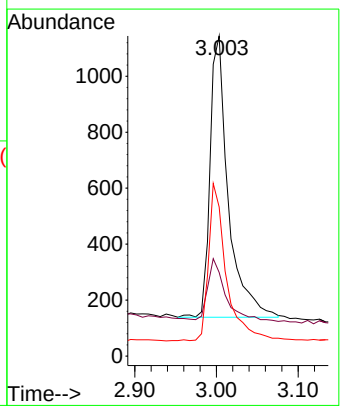


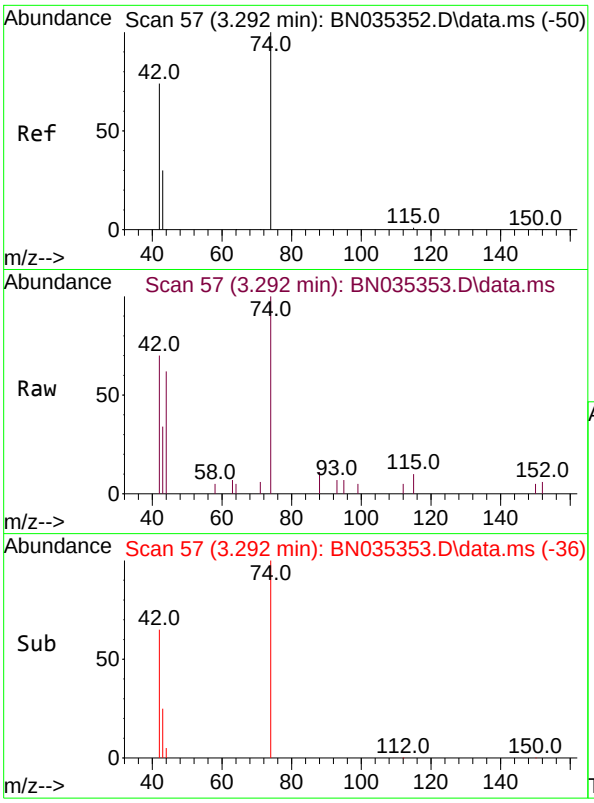


#2
1,4-Dioxane
Concen: 0.836 ng
RT: 3.003 min Scan# 17
Delta R.T. 0.000 min
Lab File: BN035353.D
Acq: 27 Nov 2024 17:21

Tgt Ion: 88 Resp: 1554

Ion	Ratio	Lower	Upper
88	100		
43	22.1	17.2	25.8
58	54.8	44.5	66.7



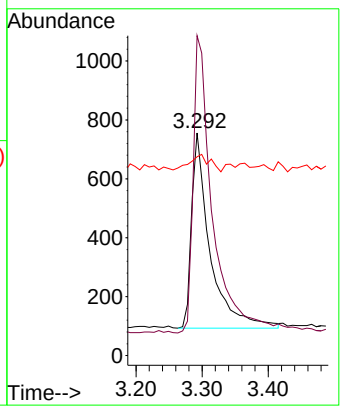


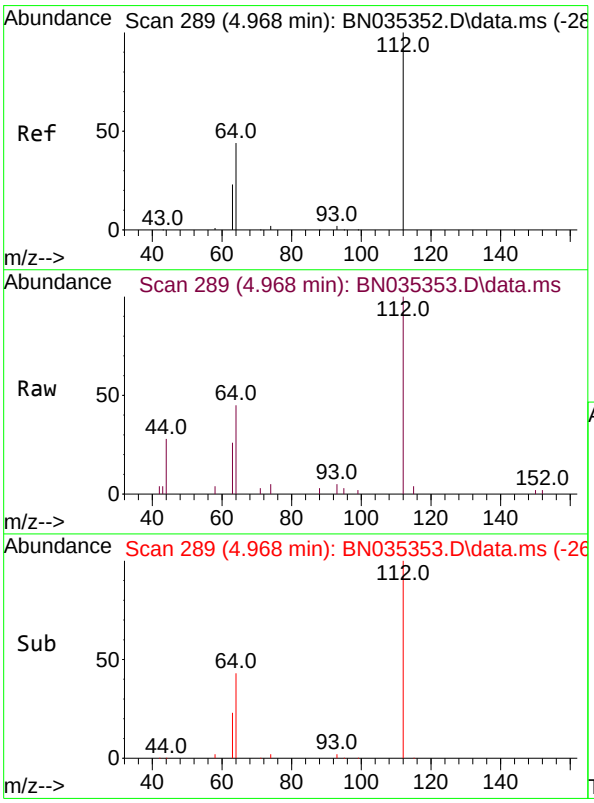
#3
n-Nitrosodimethylamine
Concen: 0.745 ng
RT: 3.292 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN035353.D
Acq: 27 Nov 2024 17:21

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion: 42 Resp: 1291

Ion	Ratio	Lower	Upper
42	100		
74	158.7	124.9	187.3
44	9.8	2.2	3.4#

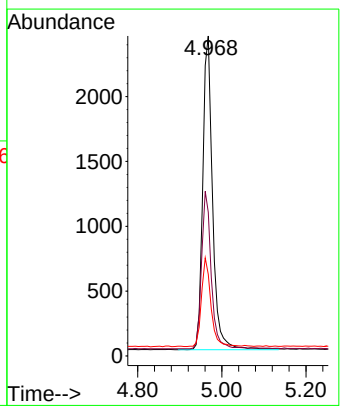


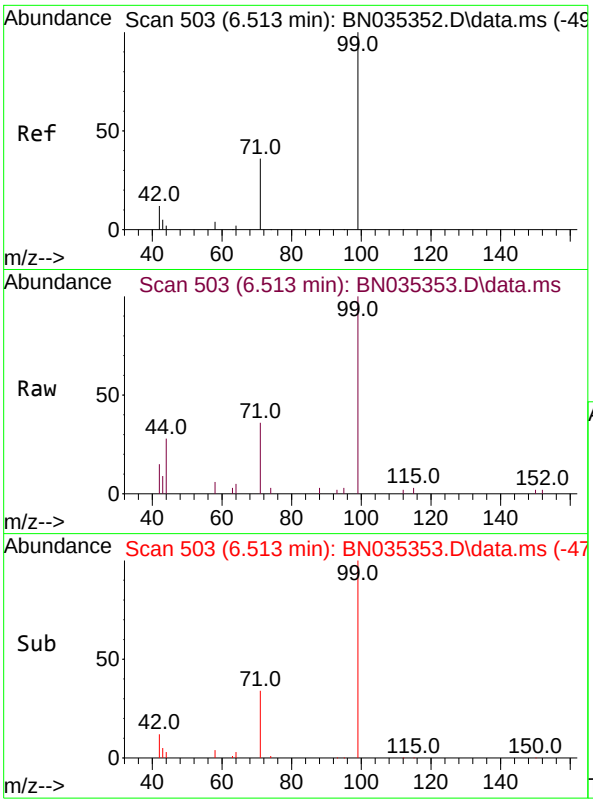


#4
2-Fluorophenol
Concen: 0.755 ng
RT: 4.968 min Scan# 289
Delta R.T. 0.000 min
Lab File: BN035353.D
Acq: 27 Nov 2024 17:21

Tgt Ion:112 Resp: 3924

Ion	Ratio	Lower	Upper
112	100		
64	49.0	39.8	59.8
63	27.0	21.0	31.6



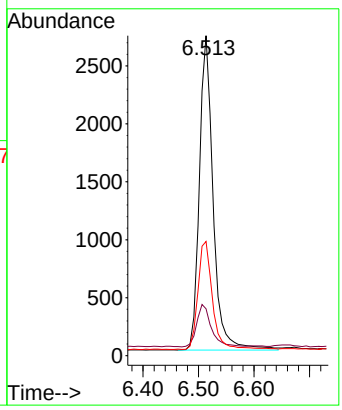


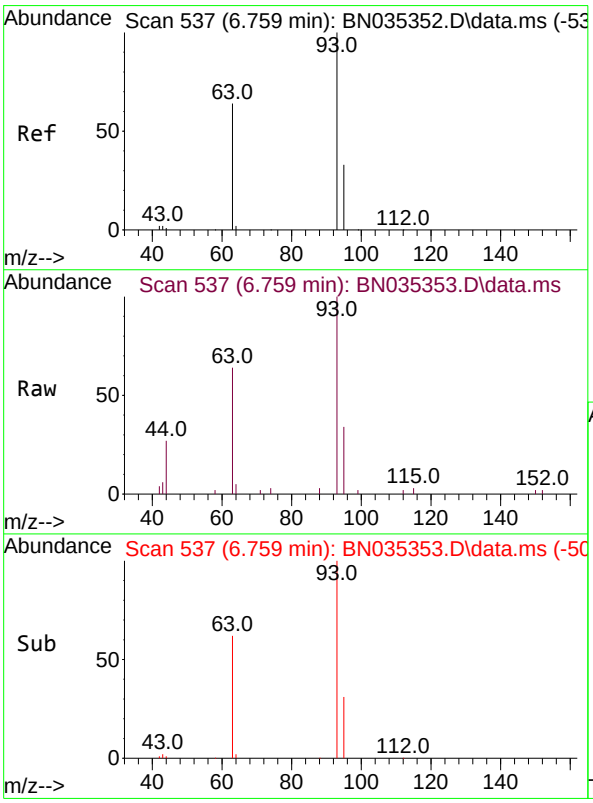
#5
Phenol-d6
Concen: 0.718 ng
RT: 6.513 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN035353.D
Acq: 27 Nov 2024 17:21

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion: 99 Resp: 4681

Ion	Ratio	Lower	Upper
99	100		
42	14.3	11.4	17.2
71	36.1	29.3	43.9

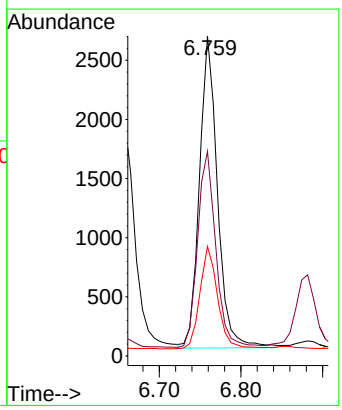


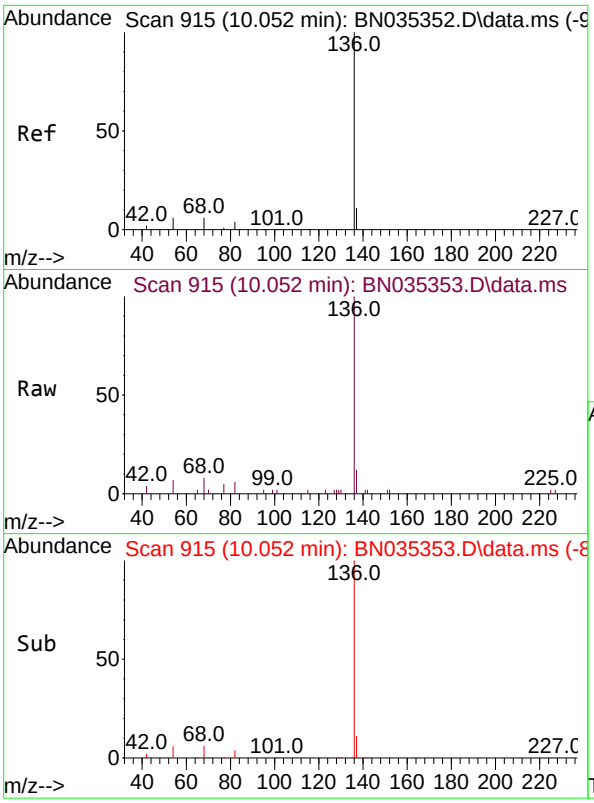


#6
bis(2-Chloroethyl)ether
Concen: 0.831 ng
RT: 6.759 min Scan# 537
Delta R.T. 0.000 min
Lab File: BN035353.D
Acq: 27 Nov 2024 17:21

Tgt Ion: 93 Resp: 4066

Ion	Ratio	Lower	Upper
93	100		
63	62.8	50.4	75.6
95	32.4	25.7	38.5



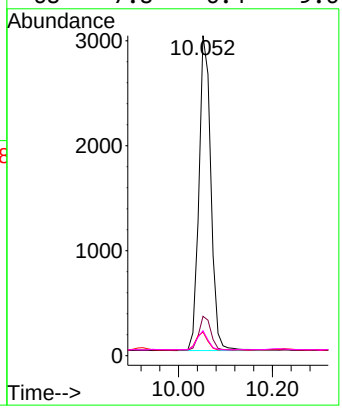


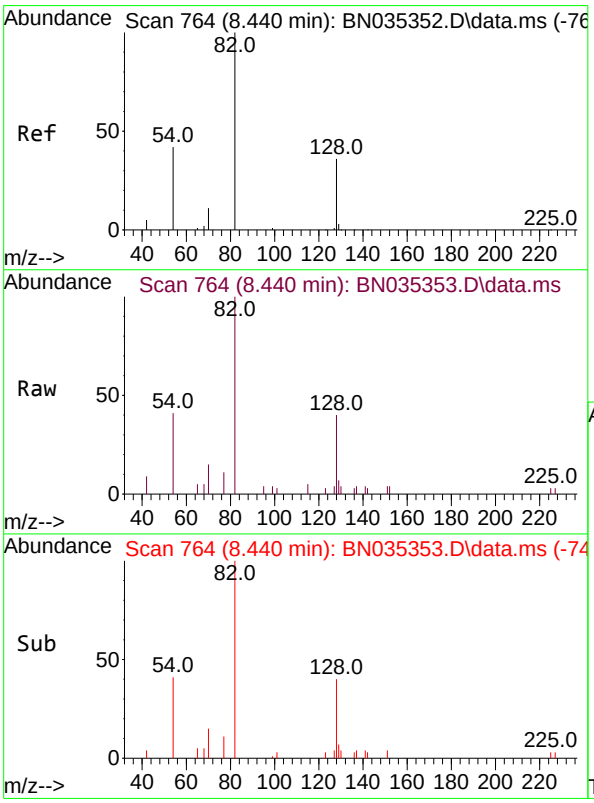
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.052 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN035353.D
Acq: 27 Nov 2024 17:21

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:136 Resp: 5308

Ion	Ratio	Lower	Upper
136	100		
137	12.3	10.2	15.2
54	7.4	6.1	9.1
68	7.8	6.4	9.6

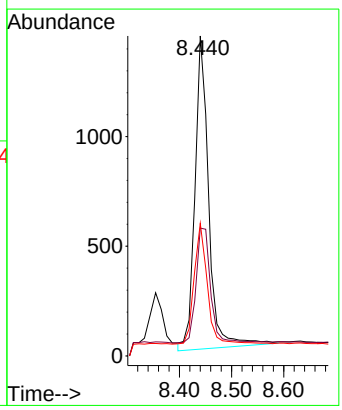


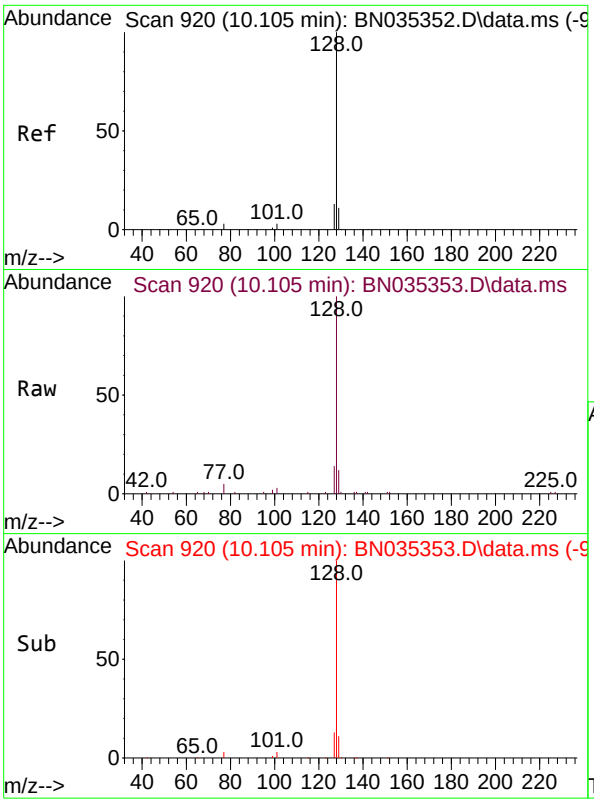


#8
Nitrobenzene-d5
Concen: 0.570 ng
RT: 8.440 min Scan# 764
Delta R.T. 0.000 min
Lab File: BN035353.D
Acq: 27 Nov 2024 17:21

Tgt Ion: 82 Resp: 2634

Ion	Ratio	Lower	Upper
82	100		
128	40.0	33.4	50.0
54	41.5	36.7	55.1



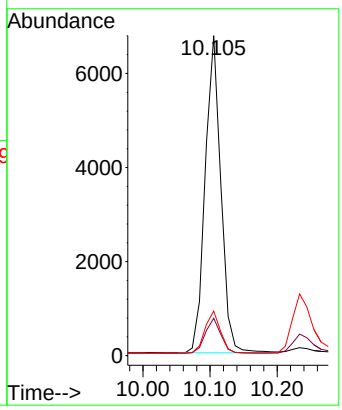


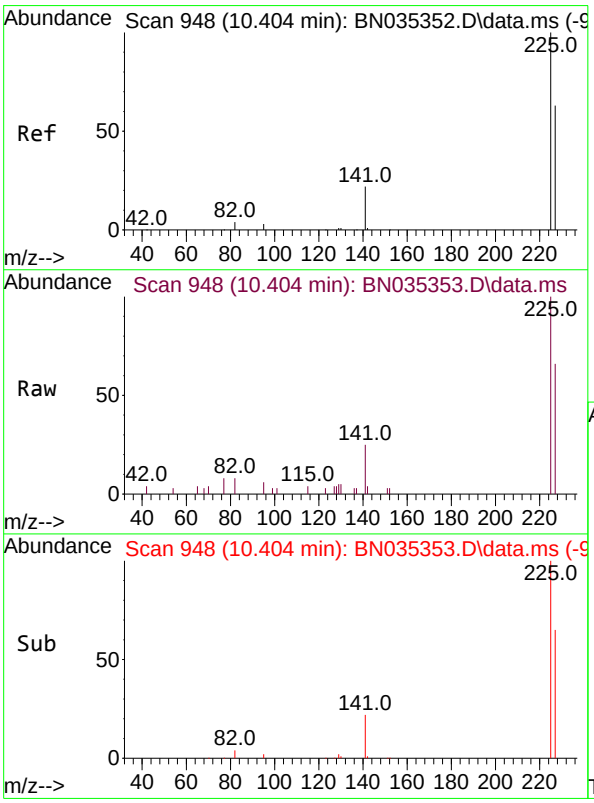
#9
Naphthalene
Concen: 0.790 ng
RT: 10.105 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN035353.D
Acq: 27 Nov 2024 17:21

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:128 Resp: 10954

Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.8	14.6
127	13.9	11.4	17.2

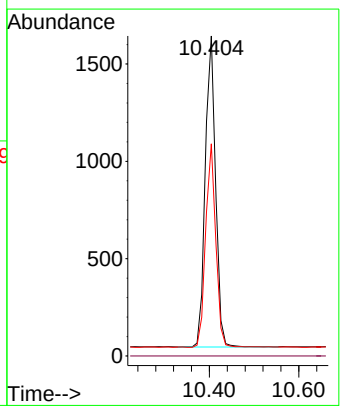


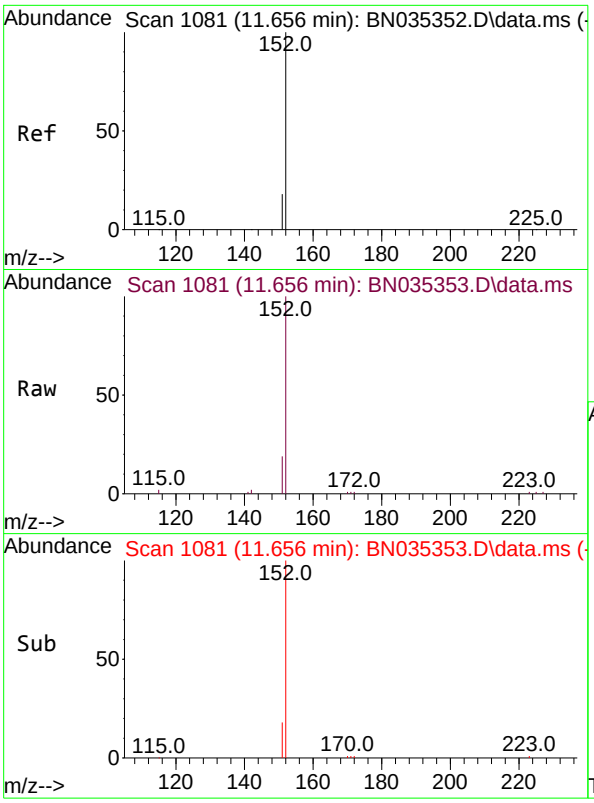


#10
Hexachlorobutadiene
Concen: 0.630 ng
RT: 10.404 min Scan# 948
Delta R.T. 0.000 min
Lab File: BN035353.D
Acq: 27 Nov 2024 17:21

Tgt Ion:225 Resp: 2559

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.1	51.3	76.9



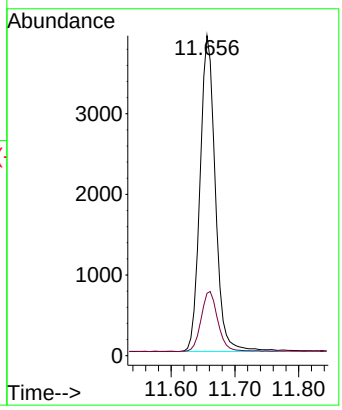


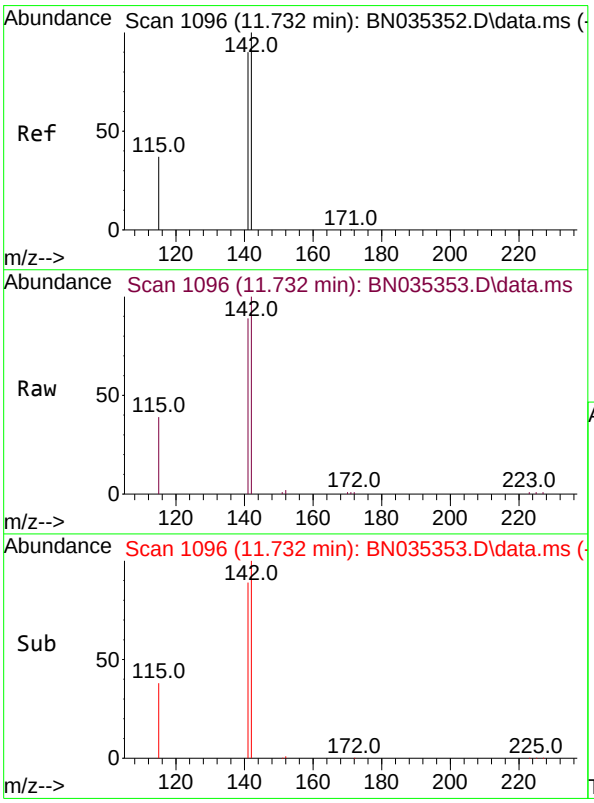
#11
2-Methylnaphthalene-d10
Concen: 0.690 ng
RT: 11.656 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN035353.D
Acq: 27 Nov 2024 17:21

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:152 Resp: 6530

Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.6	25.0

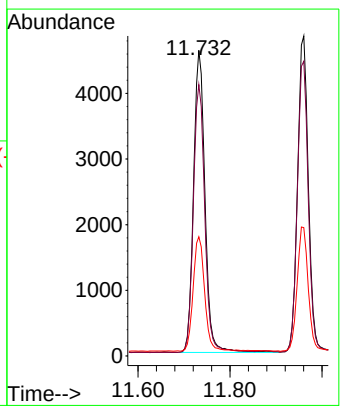


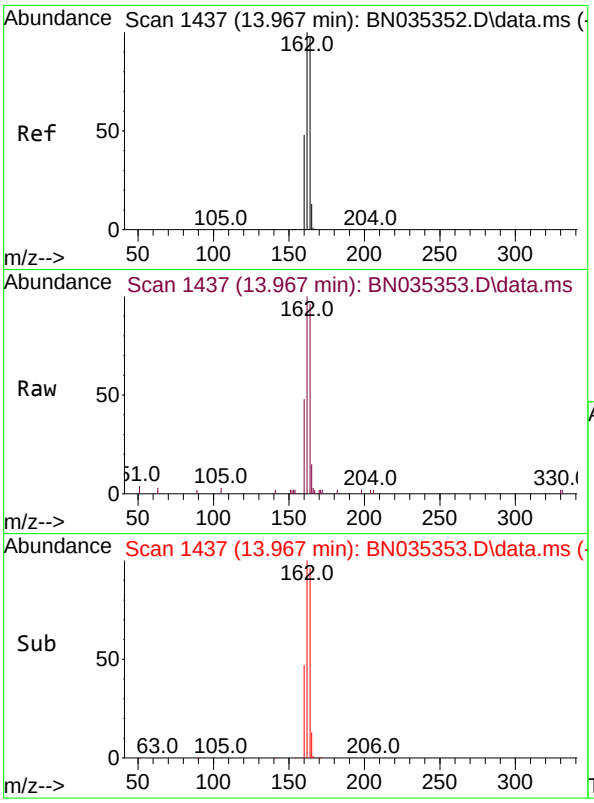


#12
2-Methylnaphthalene
Concen: 0.775 ng
RT: 11.732 min Scan# 1096
Delta R.T. 0.000 min
Lab File: BN035353.D
Acq: 27 Nov 2024 17:21

Tgt Ion:142 Resp: 7925

Ion	Ratio	Lower	Upper
142	100		
141	88.8	72.2	108.4
115	39.0	31.4	47.0



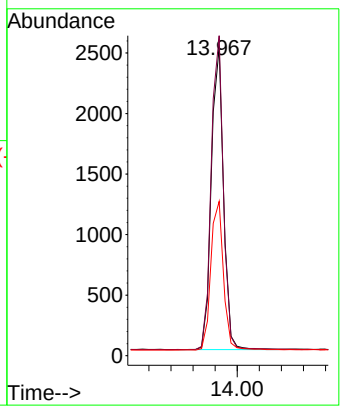


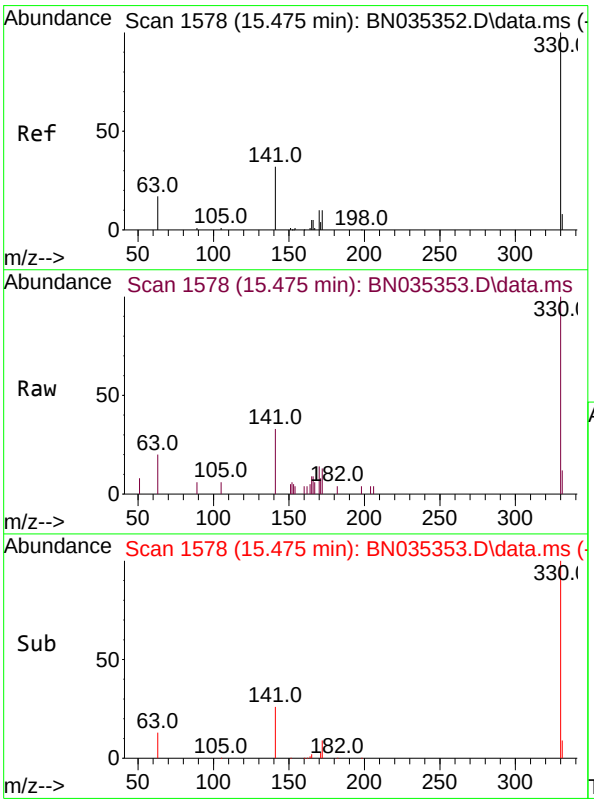
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.967 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN035353.D
Acq: 27 Nov 2024 17:21

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:164 Resp: 3823

Ion	Ratio	Lower	Upper
164	100		
162	103.9	82.2	123.2
160	50.1	40.1	60.1

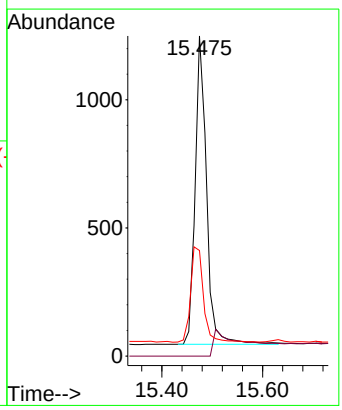


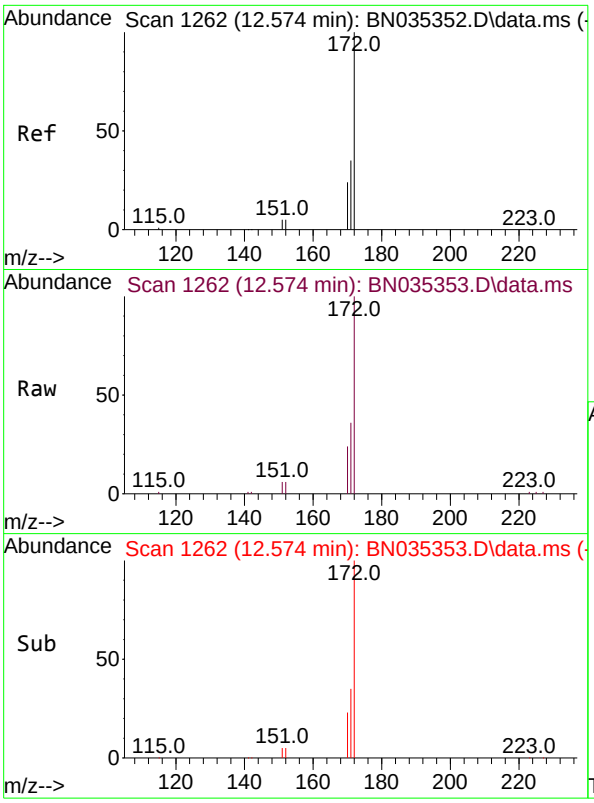


#14
2,4,6-Tribromophenol
Concen: 0.744 ng
RT: 15.475 min Scan# 1578
Delta R.T. 0.000 min
Lab File: BN035353.D
Acq: 27 Nov 2024 17:21

Tgt Ion:330 Resp: 2051

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	34.3	26.6	40.0



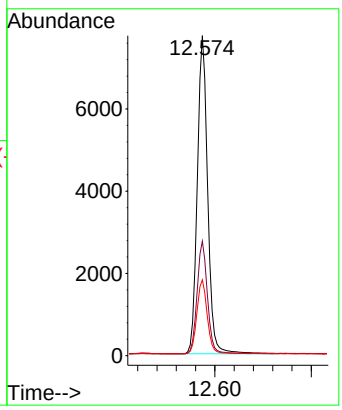


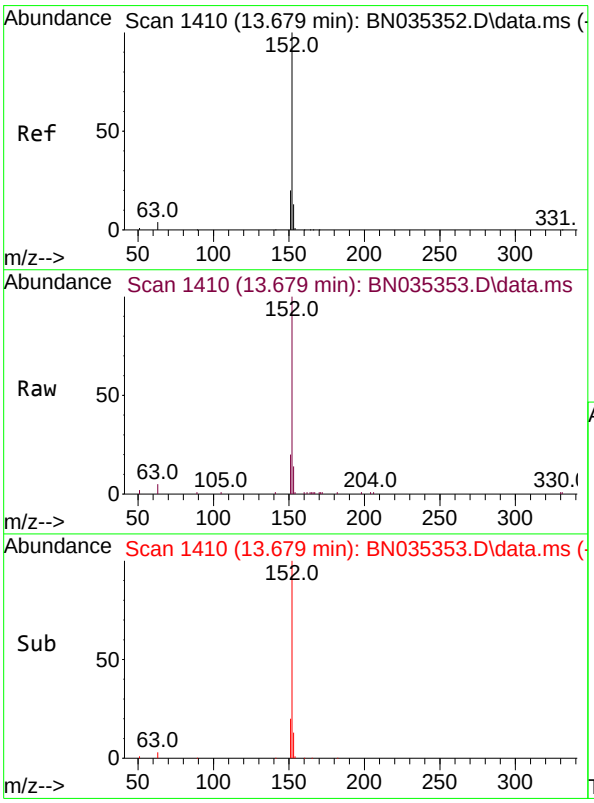
#15
2-Fluorobiphenyl
Concen: 0.742 ng
RT: 12.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN035353.D
Acq: 27 Nov 2024 17:21

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:172 Resp: 11528

Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.0	43.4
170	23.7	19.8	29.8

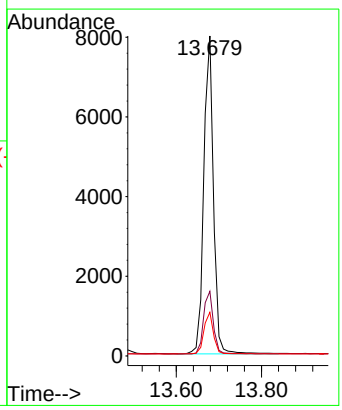


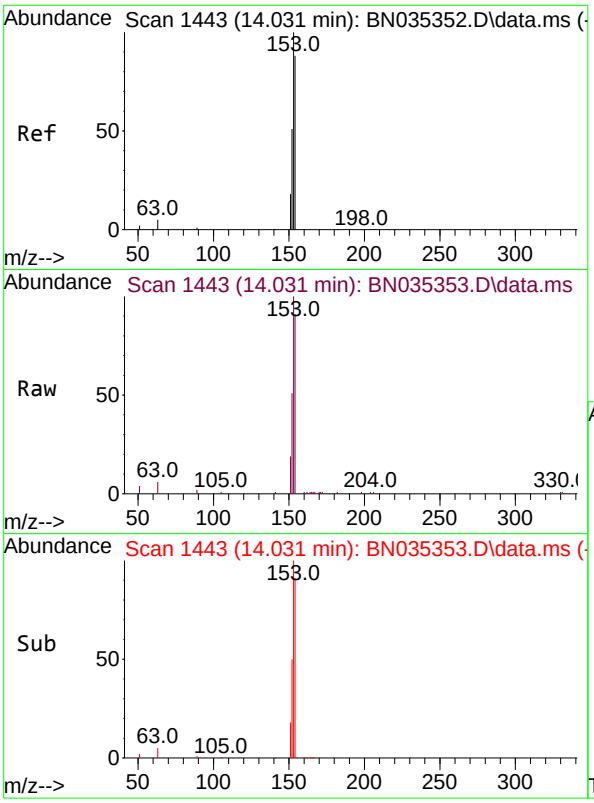


#16
Acenaphthylene
Concen: 0.766 ng
RT: 13.679 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BN035353.D
Acq: 27 Nov 2024 17:21

Tgt Ion:152 Resp: 12523

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.2	24.2
153	12.9	10.4	15.6



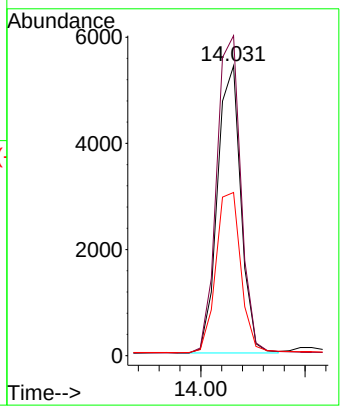


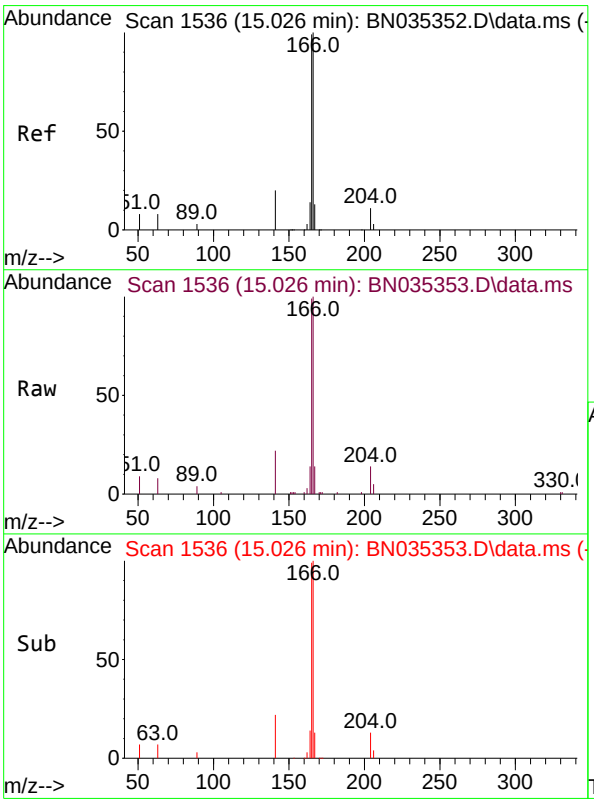
#17
Acenaphthene
Concen: 0.791 ng
RT: 14.031 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN035353.D
Acq: 27 Nov 2024 17:21

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:154 Resp: 8470

Ion	Ratio	Lower	Upper
154	100		
153	114.8	92.6	139.0
152	60.2	49.0	73.6

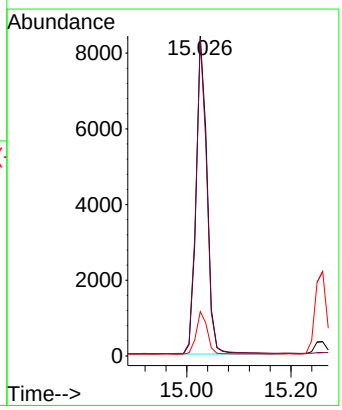


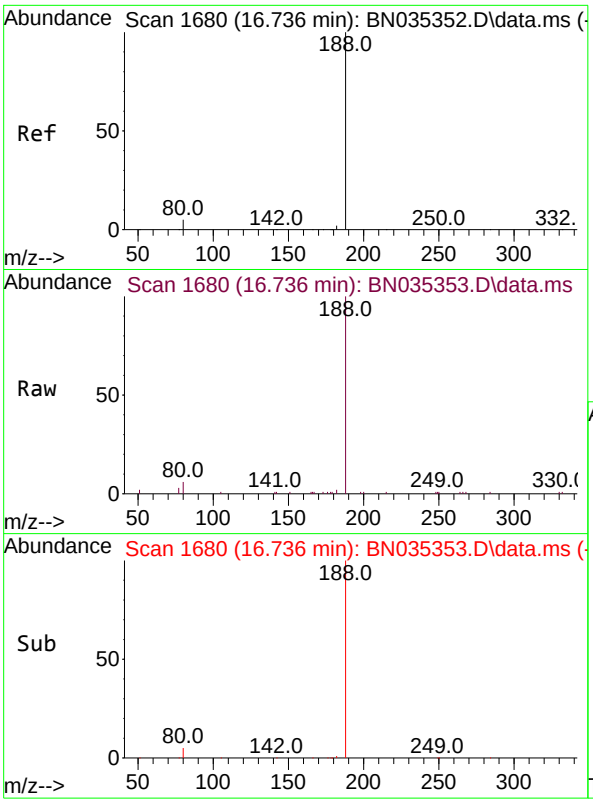


#18
Fluorene
Concen: 0.777 ng
RT: 15.026 min Scan# 1536
Delta R.T. 0.000 min
Lab File: BN035353.D
Acq: 27 Nov 2024 17:21

Tgt Ion:166 Resp: 12232

Ion	Ratio	Lower	Upper
166	100		
165	98.5	79.7	119.5
167	13.5	10.8	16.2



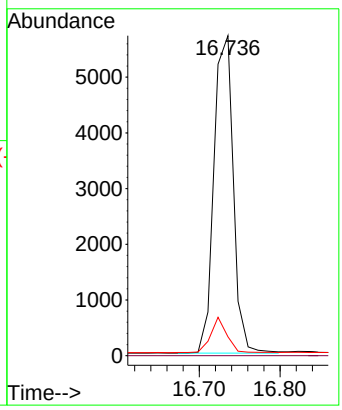


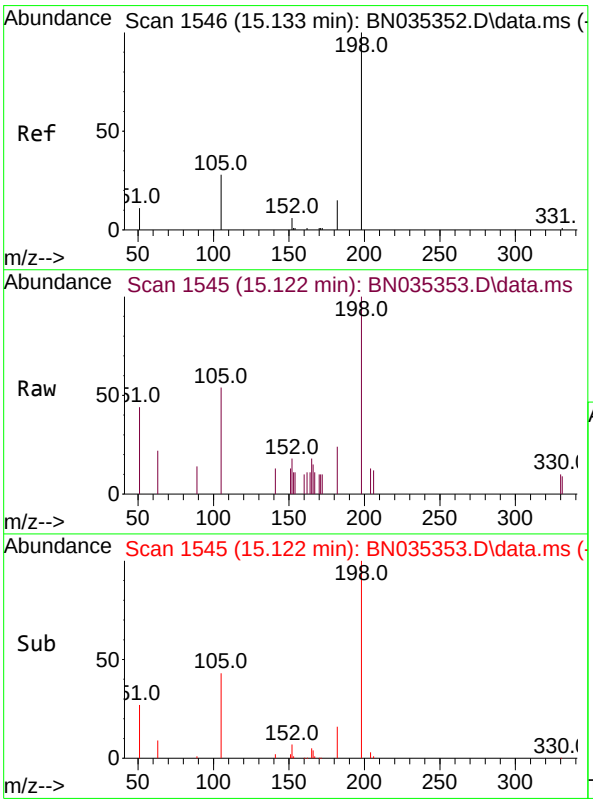
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.736 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN035353.D
Acq: 27 Nov 2024 17:21

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:188 Resp: 9525

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	5.9	4.6	6.8

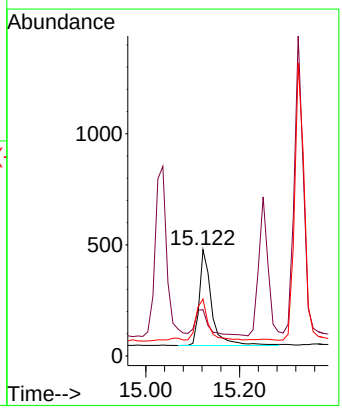


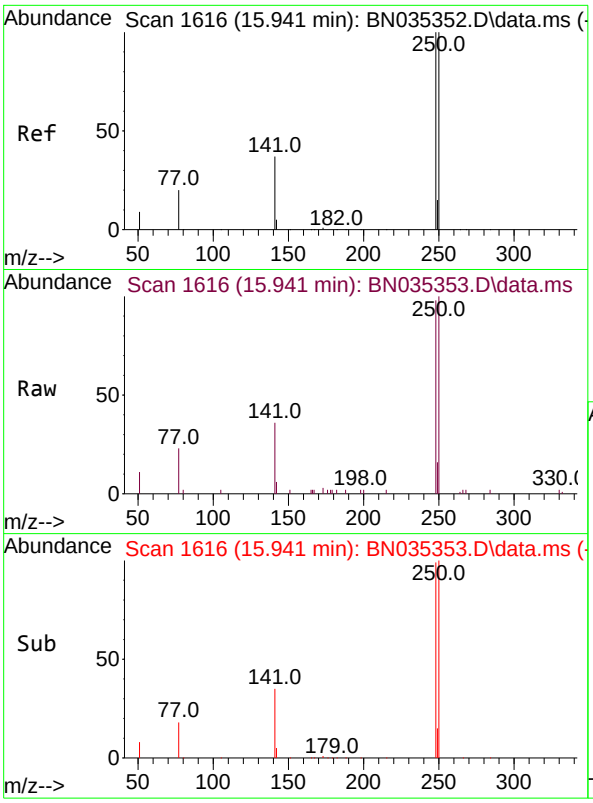


#20
4,6-Dinitro-2-methylphenol
Concen: 0.395 ng
RT: 15.122 min Scan# 1545
Delta R.T. -0.011 min
Lab File: BN035353.D
Acq: 27 Nov 2024 17:21

Tgt Ion:198 Resp: 784

Ion	Ratio	Lower	Upper
198	100		
51	43.5	46.5	69.7#
105	53.6	45.3	67.9



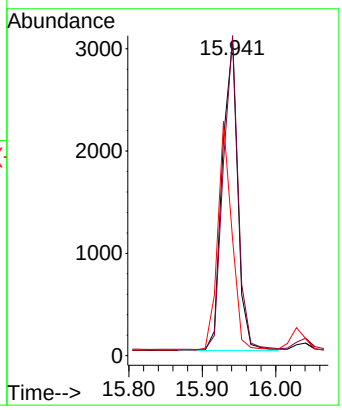


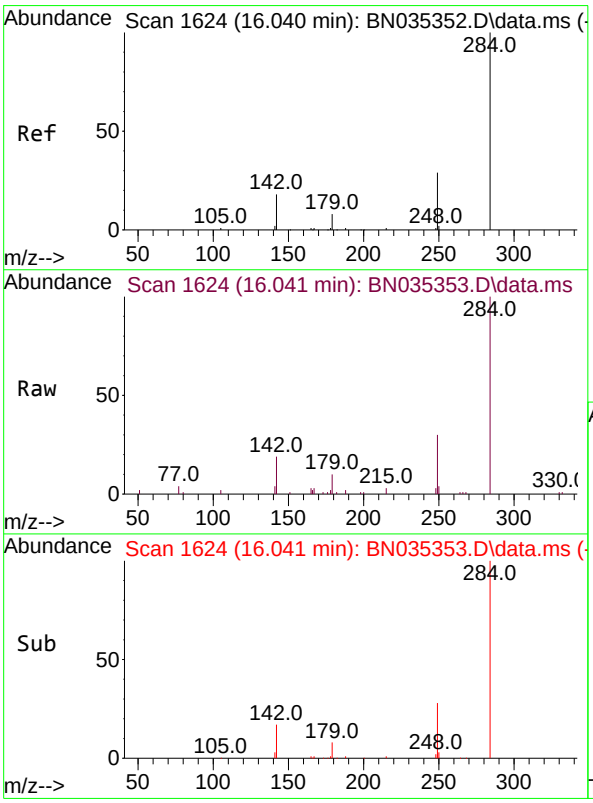
#21
4-Bromophenyl-phenylether
Concen: 0.732 ng
RT: 15.941 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN035353.D
Acq: 27 Nov 2024 17:21

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:248 Resp: 4440

Ion	Ratio	Lower	Upper
248	100		
250	101.5	80.6	120.8
141	36.9	31.5	47.3

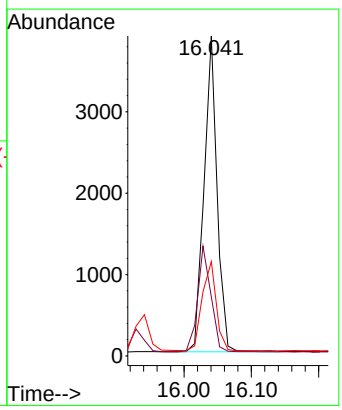


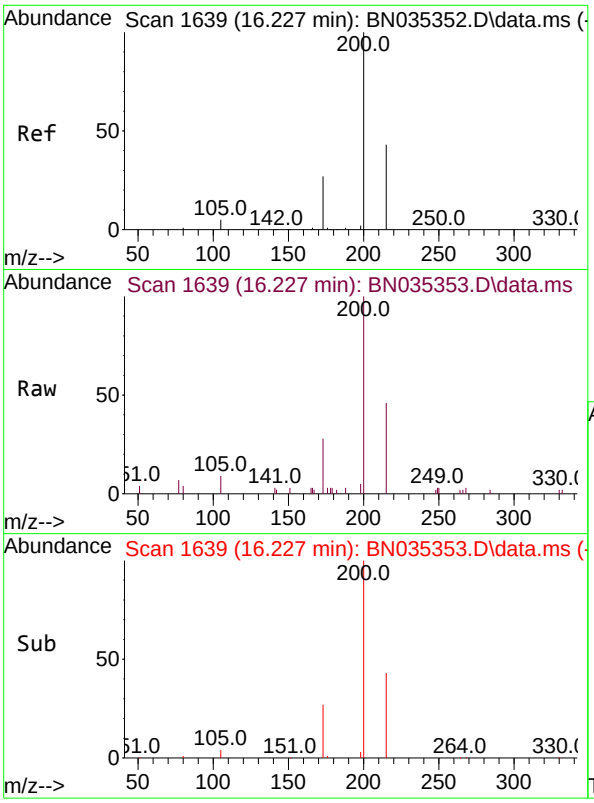


#22
Hexachlorobenzene
Concen: 0.834 ng
RT: 16.041 min Scan# 1624
Delta R.T. 0.000 min
Lab File: BN035353.D
Acq: 27 Nov 2024 17:21

Tgt Ion:284 Resp: 5253

Ion	Ratio	Lower	Upper
284	100		
142	34.0	26.7	40.1
249	30.3	24.6	36.8



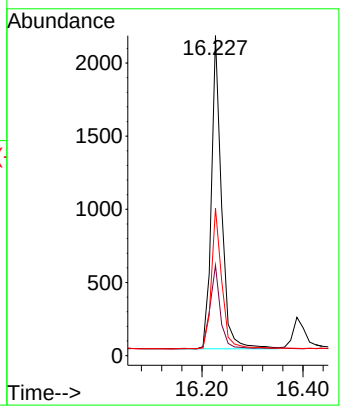


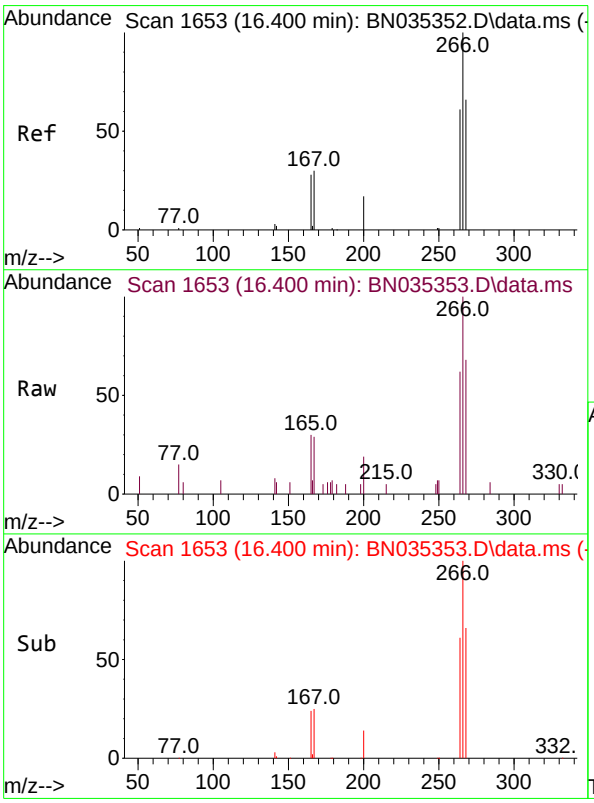
#23
Atrazine
Concen: 0.547 ng
RT: 16.227 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN035353.D
Acq: 27 Nov 2024 17:21

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:200 Resp: 2978

Ion	Ratio	Lower	Upper
200	100		
173	28.3	24.1	36.1
215	46.1	36.9	55.3

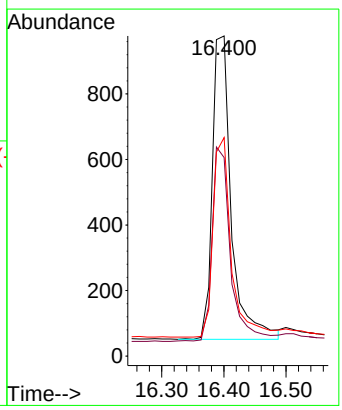


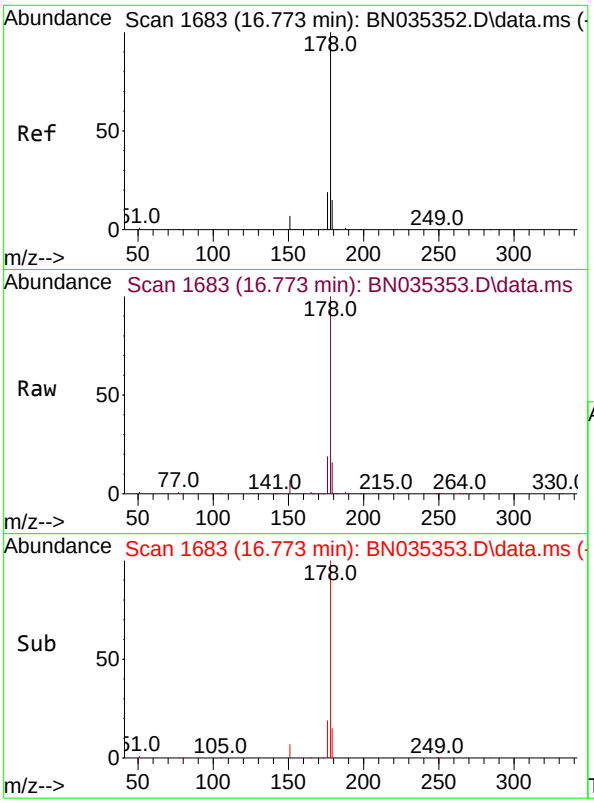


#24
Pentachlorophenol
Concen: 0.669 ng
RT: 16.400 min Scan# 1653
Delta R.T. 0.000 min
Lab File: BN035353.D
Acq: 27 Nov 2024 17:21

Tgt Ion:266 Resp: 1968

Ion	Ratio	Lower	Upper
266	100		
264	61.9	42.3	63.5
268	63.7	43.3	64.9



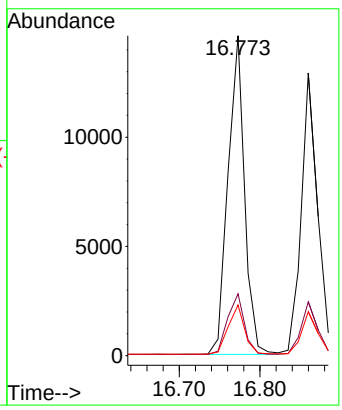


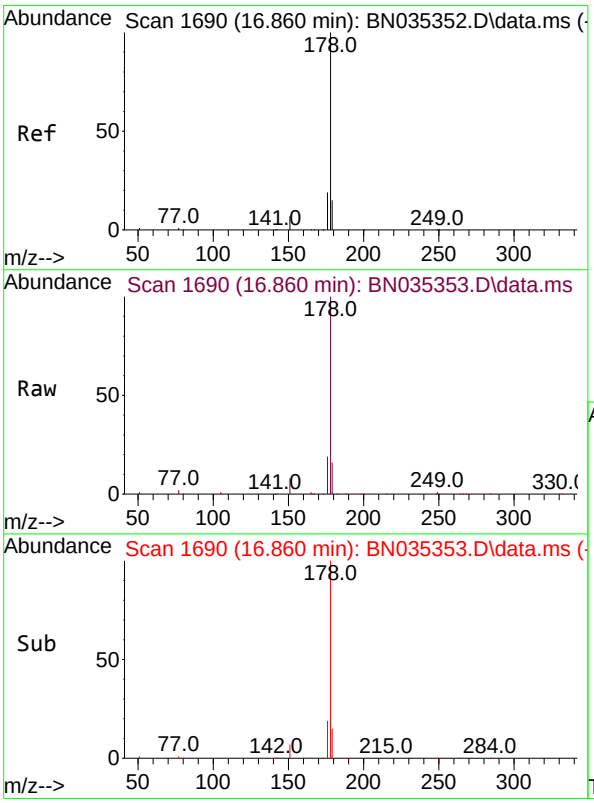
#25
Phenanthrene
Concen: 0.830 ng
RT: 16.773 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN035353.D
Acq: 27 Nov 2024 17:21

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:178 Resp: 20803

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.2
179	15.4	12.3	18.5

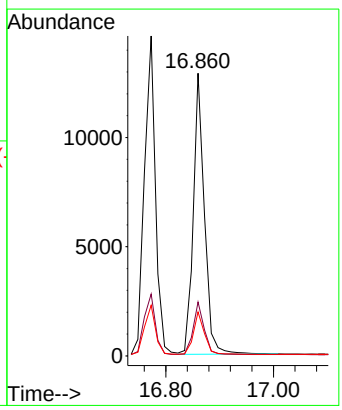


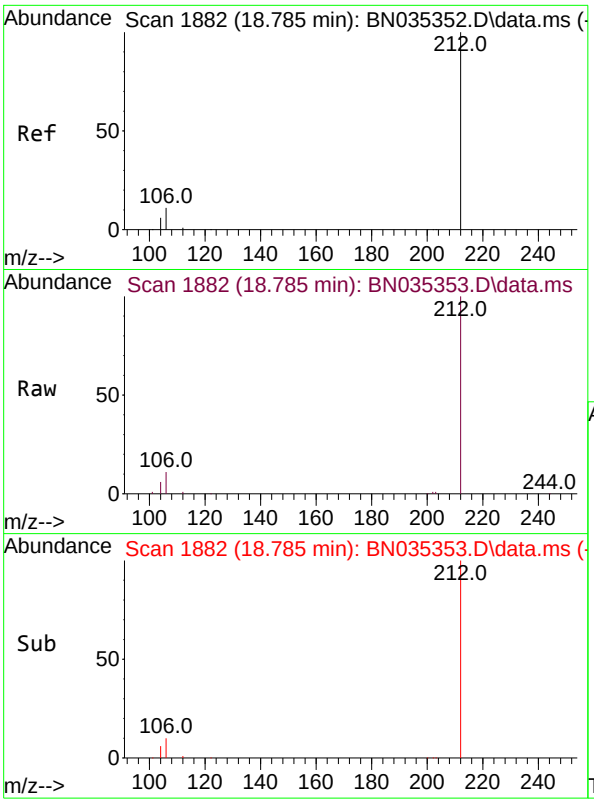


#26
Anthracene
Concen: 0.805 ng
RT: 16.860 min Scan# 1690
Delta R.T. 0.000 min
Lab File: BN035353.D
Acq: 27 Nov 2024 17:21

Tgt Ion:178 Resp: 18528

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.0	22.6
179	15.2	12.6	18.8



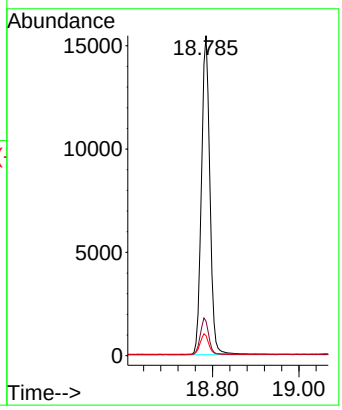


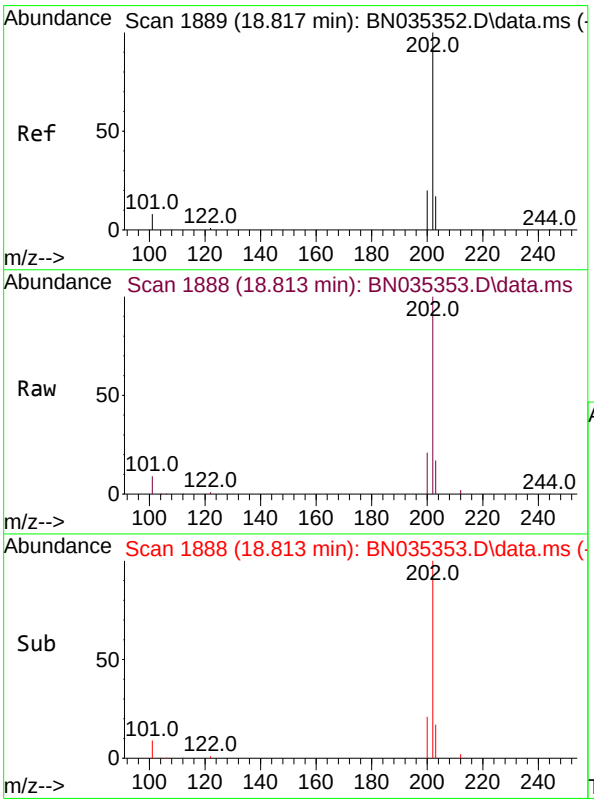
#27
Fluoranthene-d10
Concen: 0.721 ng
RT: 18.785 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN035353.D
Acq: 27 Nov 2024 17:21

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:212 Resp: 21050

Ion	Ratio	Lower	Upper
212	100		
106	11.3	9.2	13.8
104	6.4	5.3	7.9

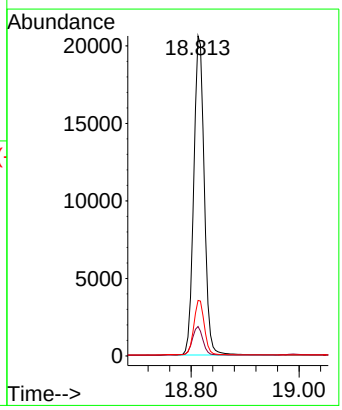


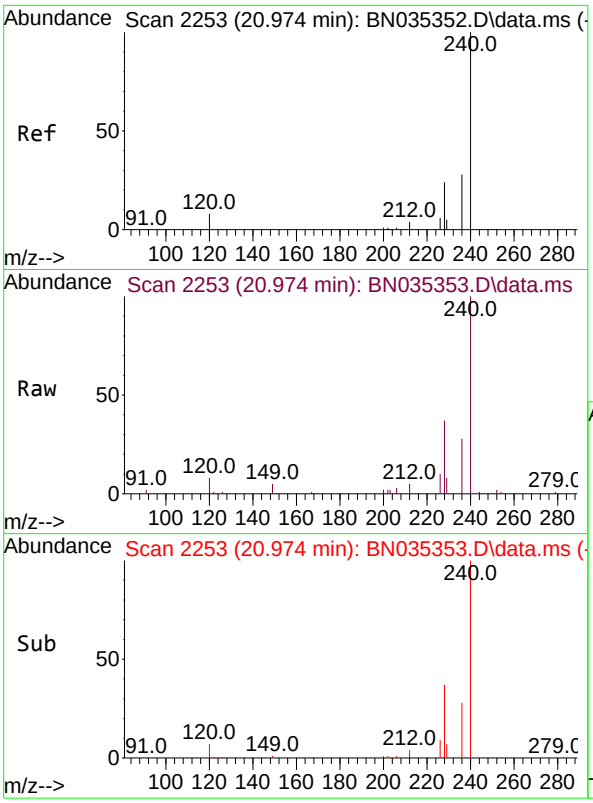


#28
Fluoranthene
Concen: 0.805 ng
RT: 18.813 min Scan# 1888
Delta R.T. -0.005 min
Lab File: BN035353.D
Acq: 27 Nov 2024 17:21

Tgt Ion:202 Resp: 27743

Ion	Ratio	Lower	Upper
202	100		
101	9.1	7.4	11.0
203	17.1	13.7	20.5



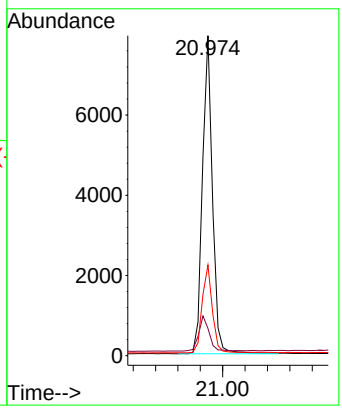


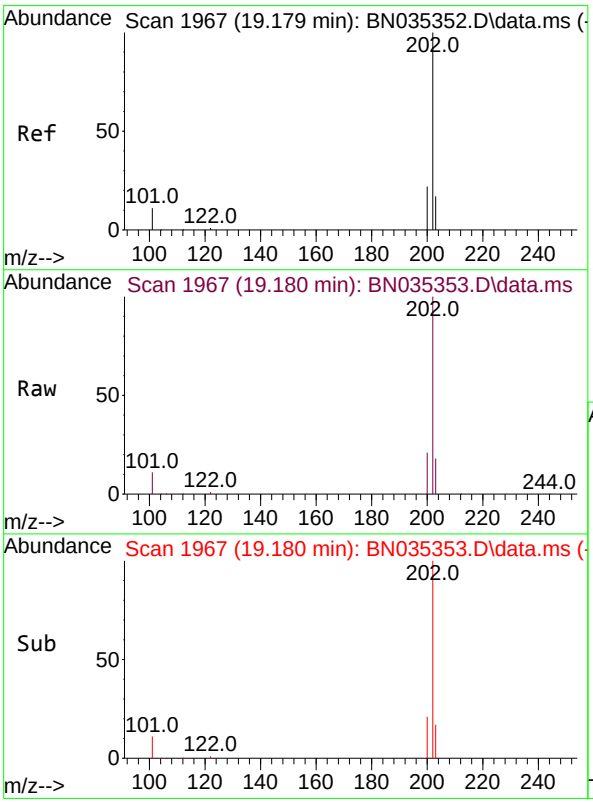
#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.974 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN035353.D
Acq: 27 Nov 2024 17:21

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:240 Resp: 9837

Ion	Ratio	Lower	Upper
240	100		
120	8.5	7.9	11.9
236	28.3	22.9	34.3

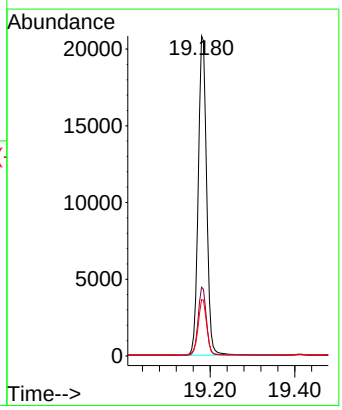


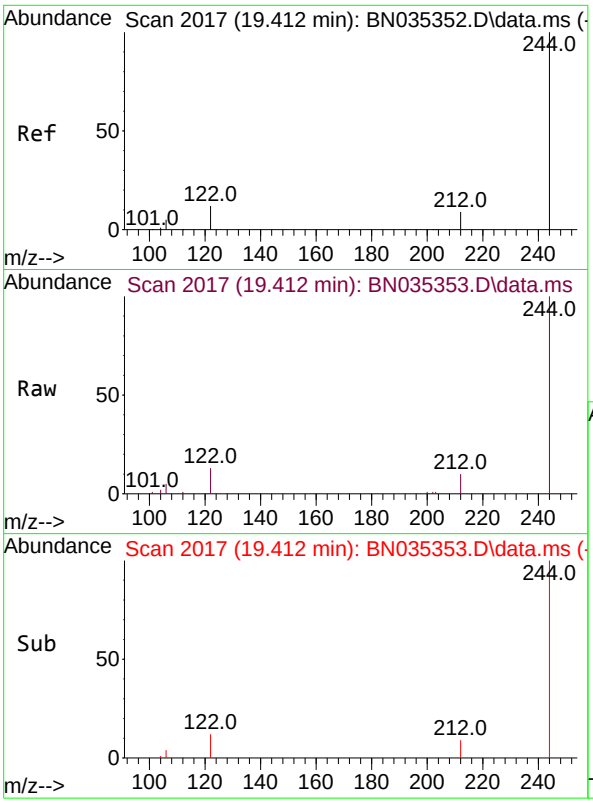


#30
Pyrene
Concen: 0.866 ng
RT: 19.180 min Scan# 1967
Delta R.T. 0.000 min
Lab File: BN035353.D
Acq: 27 Nov 2024 17:21

Tgt Ion:202 Resp: 28384

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.0	25.4
203	17.8	14.3	21.5



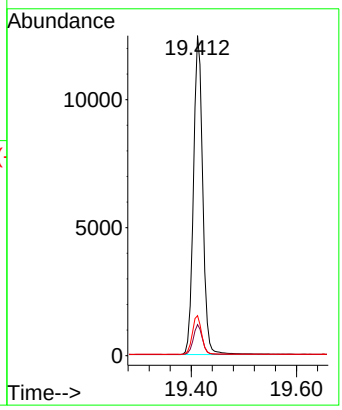


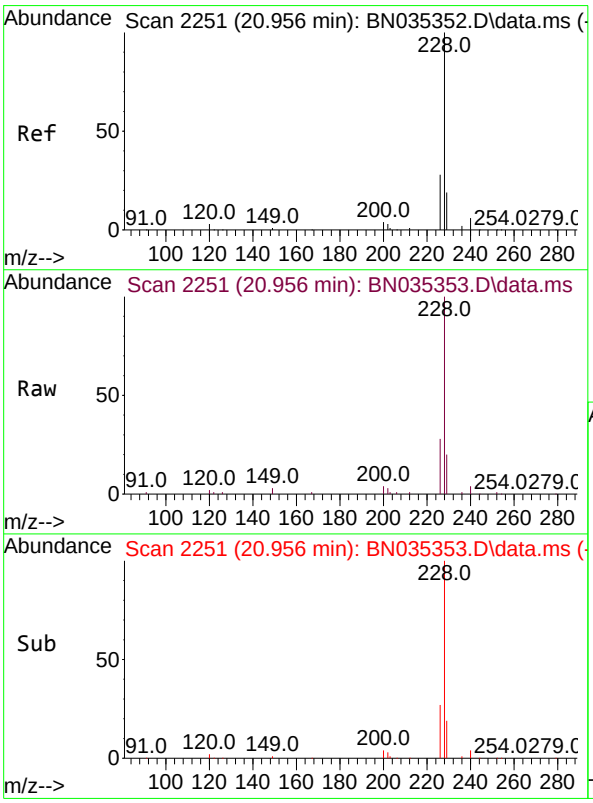
#31
Terphenyl-d14
Concen: 0.735 ng
RT: 19.412 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN035353.D
Acq: 27 Nov 2024 17:21

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:244 Resp: 15171

Ion	Ratio	Lower	Upper
244	100		
212	9.7	8.1	12.1
122	12.5	10.3	15.5

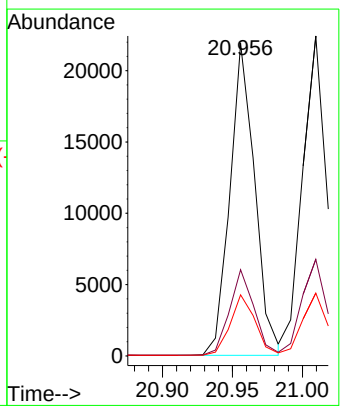


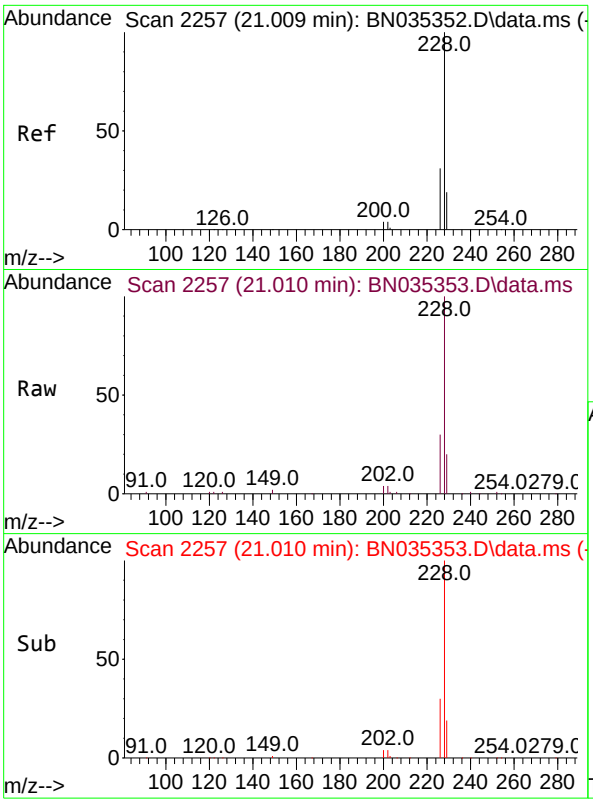


#32
Benzo(a)anthracene
Concen: 0.790 ng
RT: 20.956 min Scan# 2251
Delta R.T. 0.000 min
Lab File: BN035353.D
Acq: 27 Nov 2024 17:21

Tgt Ion:228 Resp: 27048

Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.5	33.7
229	19.5	15.8	23.8



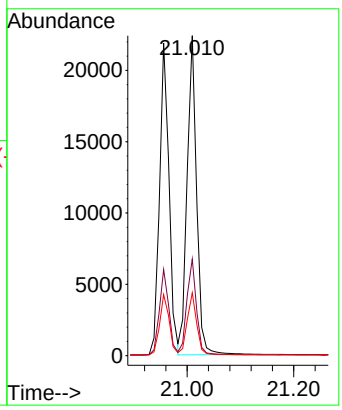


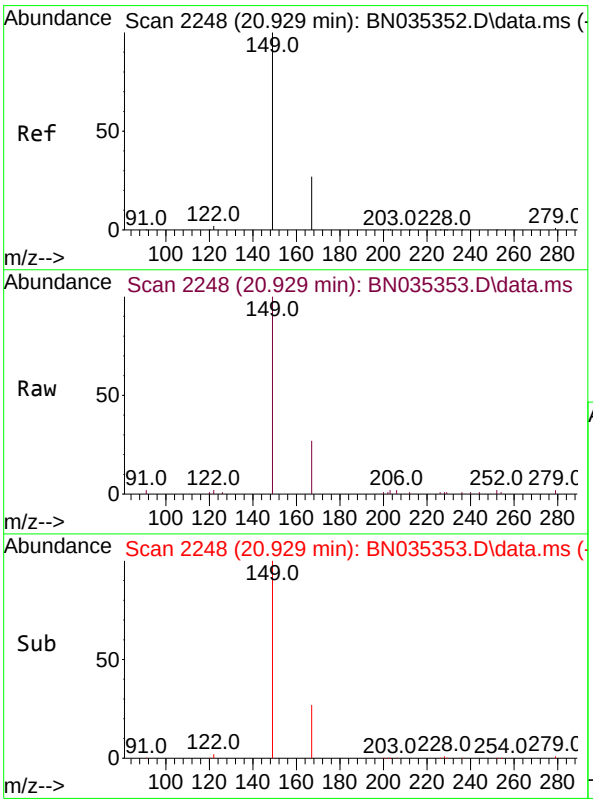
#33
Chrysene
Concen: 0.820 ng
RT: 21.010 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN035353.D
Acq: 27 Nov 2024 17:21

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:228 Resp: 27838

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.6	37.0
229	19.6	15.9	23.9

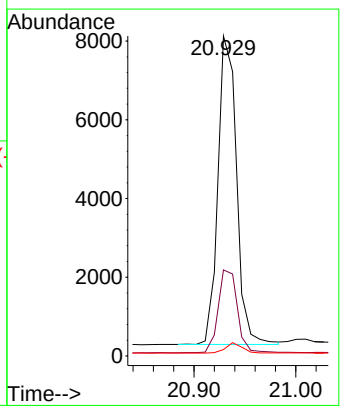


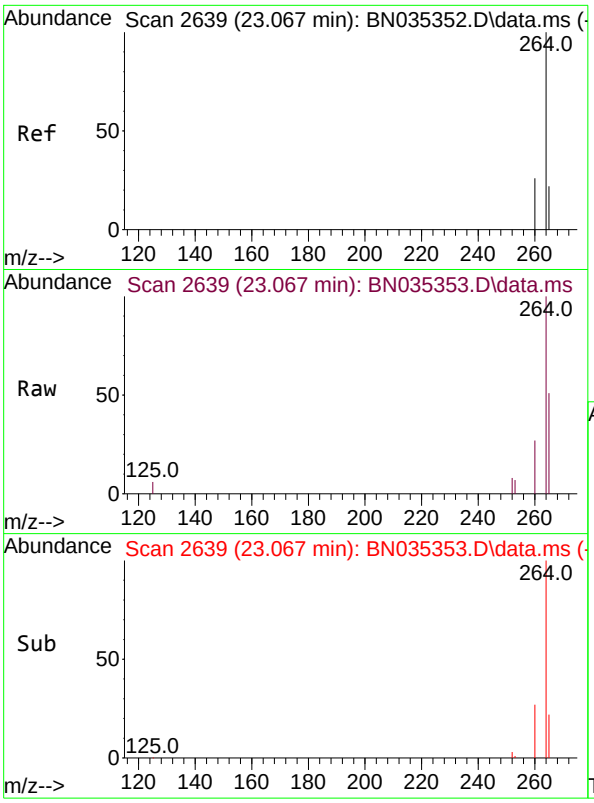


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.553 ng
RT: 20.929 min Scan# 2248
Delta R.T. 0.000 min
Lab File: BN035353.D
Acq: 27 Nov 2024 17:21

Tgt Ion:149 Resp: 9941

Ion	Ratio	Lower	Upper
149	100		
167	27.6	22.2	33.4
279	3.0	2.7	4.1



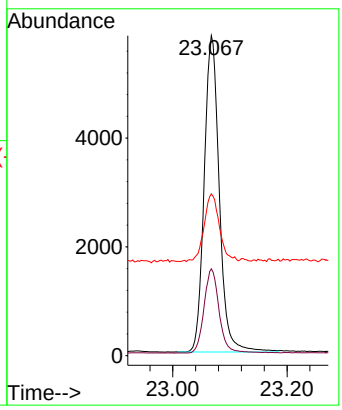


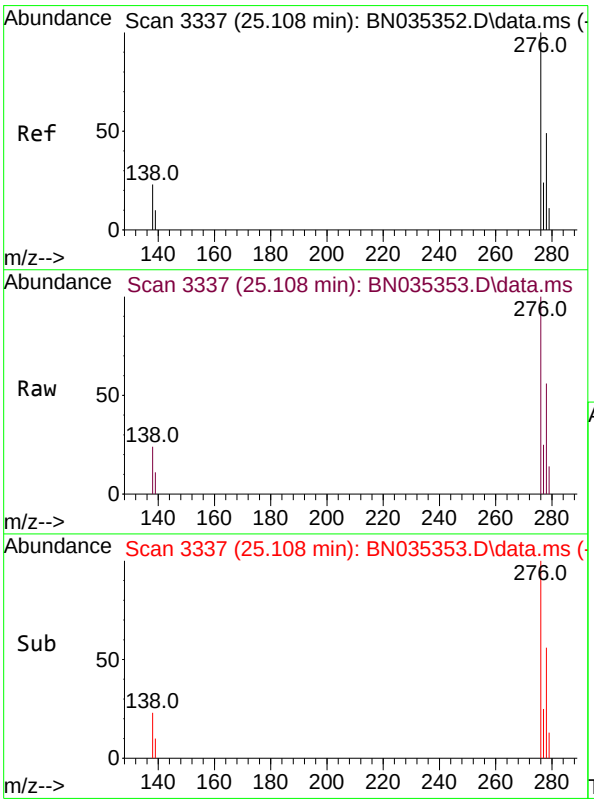
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.067 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN035353.D
Acq: 27 Nov 2024 17:21

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:264 Resp: 10698

Ion	Ratio	Lower	Upper
264	100		
260	27.1	21.4	32.2
265	50.6	40.2	60.4

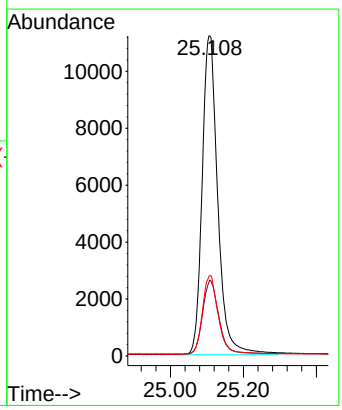


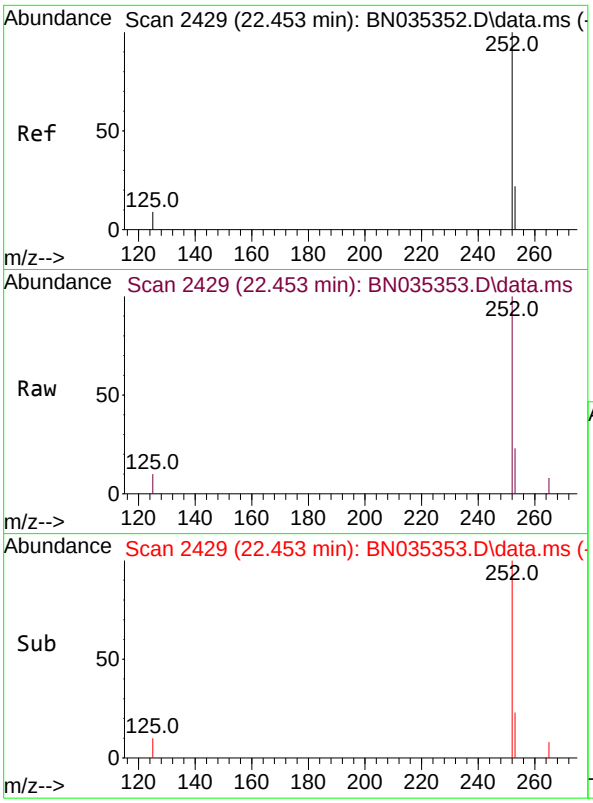


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.779 ng
RT: 25.108 min Scan# 3337
Delta R.T. 0.000 min
Lab File: BN035353.D
Acq: 27 Nov 2024 17:21

Tgt Ion:276 Resp: 33248

Ion	Ratio	Lower	Upper
276	100		
138	23.7	19.4	29.0
277	24.7	19.8	29.6



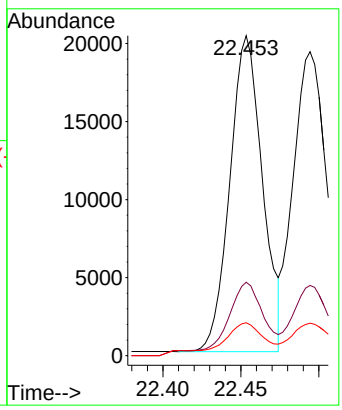


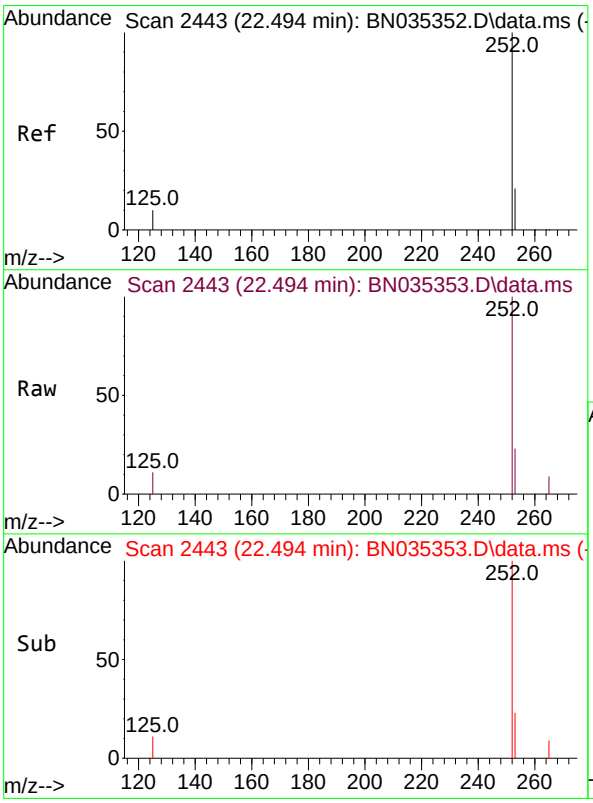
#37
Benzo(b)fluoranthene
Concen: 0.819 ng
RT: 22.453 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN035353.D
Acq: 27 Nov 2024 17:21

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:252 Resp: 29491

Ion	Ratio	Lower	Upper
252	100		
253	22.9	19.6	29.4
125	10.3	9.6	14.4

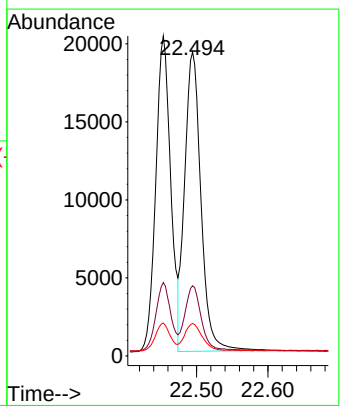


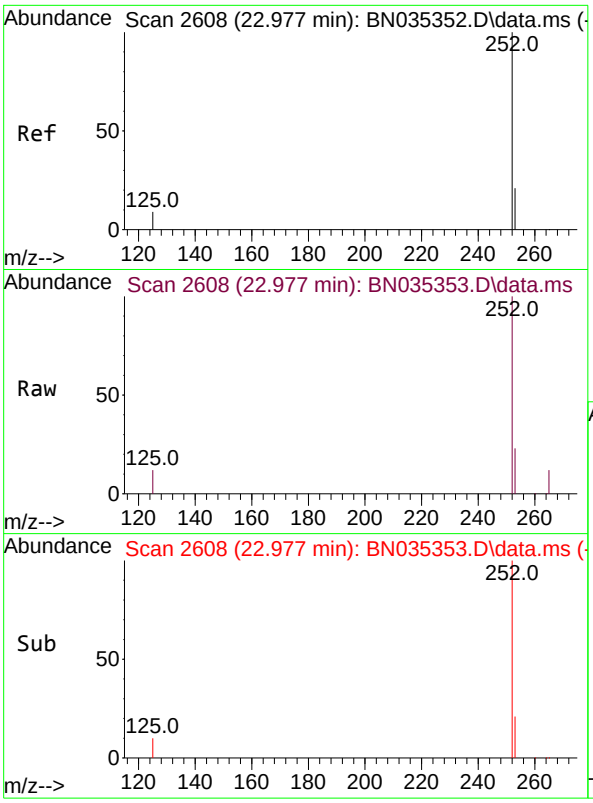


#38
Benzo(k)fluoranthene
Concen: 0.843 ng
RT: 22.494 min Scan# 2443
Delta R.T. 0.000 min
Lab File: BN035353.D
Acq: 27 Nov 2024 17:21

Tgt Ion:252 Resp: 30369

Ion	Ratio	Lower	Upper
252	100		
253	23.1	19.5	29.3
125	10.7	10.2	15.4



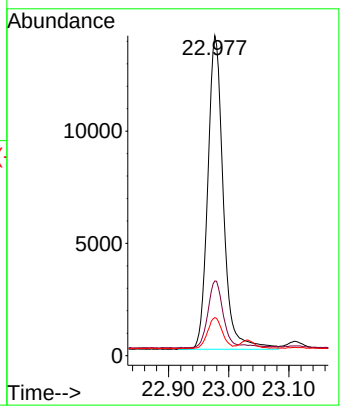


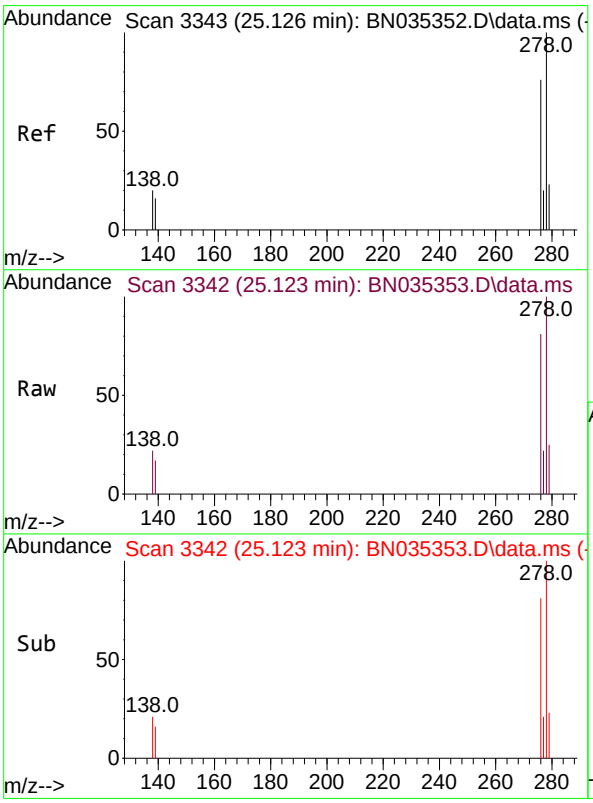
#39
Benzo(a)pyrene
Concen: 0.791 ng
RT: 22.977 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN035353.D
Acq: 27 Nov 2024 17:21

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:252 Resp: 25053

Ion	Ratio	Lower	Upper
252	100		
253	23.3	20.2	30.4
125	11.9	10.9	16.3

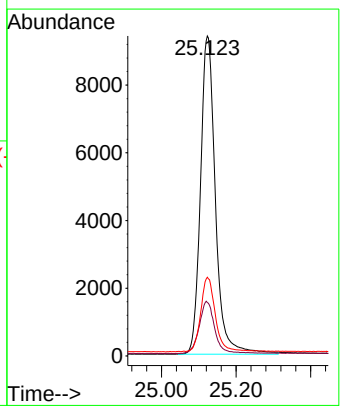


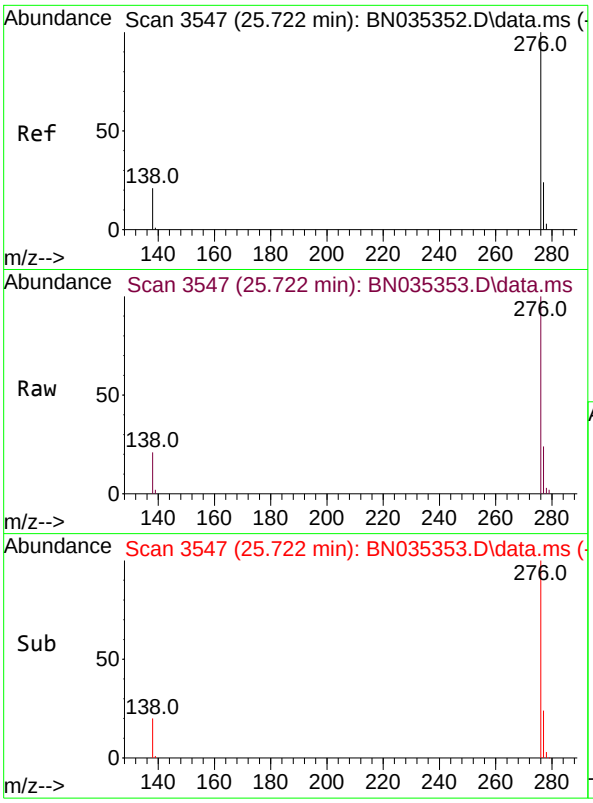


#40
Dibenzo(a,h)anthracene
Concen: 0.775 ng
RT: 25.123 min Scan# 3342
Delta R.T. -0.003 min
Lab File: BN035353.D
Acq: 27 Nov 2024 17:21

Tgt Ion:278 Resp: 26222

Ion	Ratio	Lower	Upper
278	100		
139	16.7	14.2	21.4
279	24.6	20.5	30.7



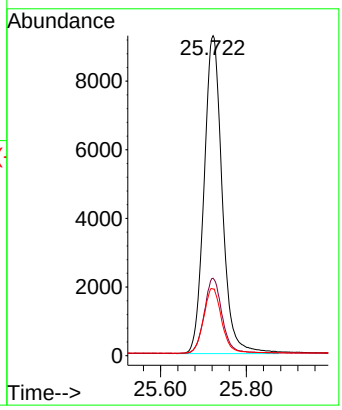


#41
Benzo(g,h,i)perylene
Concen: 0.755 ng
RT: 25.722 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN035353.D
Acq: 27 Nov 2024 17:21

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:276 Resp: 27143

Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.9	29.9
138	20.8	17.8	26.8



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
Data File : BN035354.D
Acq On : 27 Nov 2024 17:57
Operator : RC/JU
Sample : SSTDICC1.6
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Quant Time: Nov 27 22:53:28 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 27 22:48:24 2024
Response via : Initial Calibration

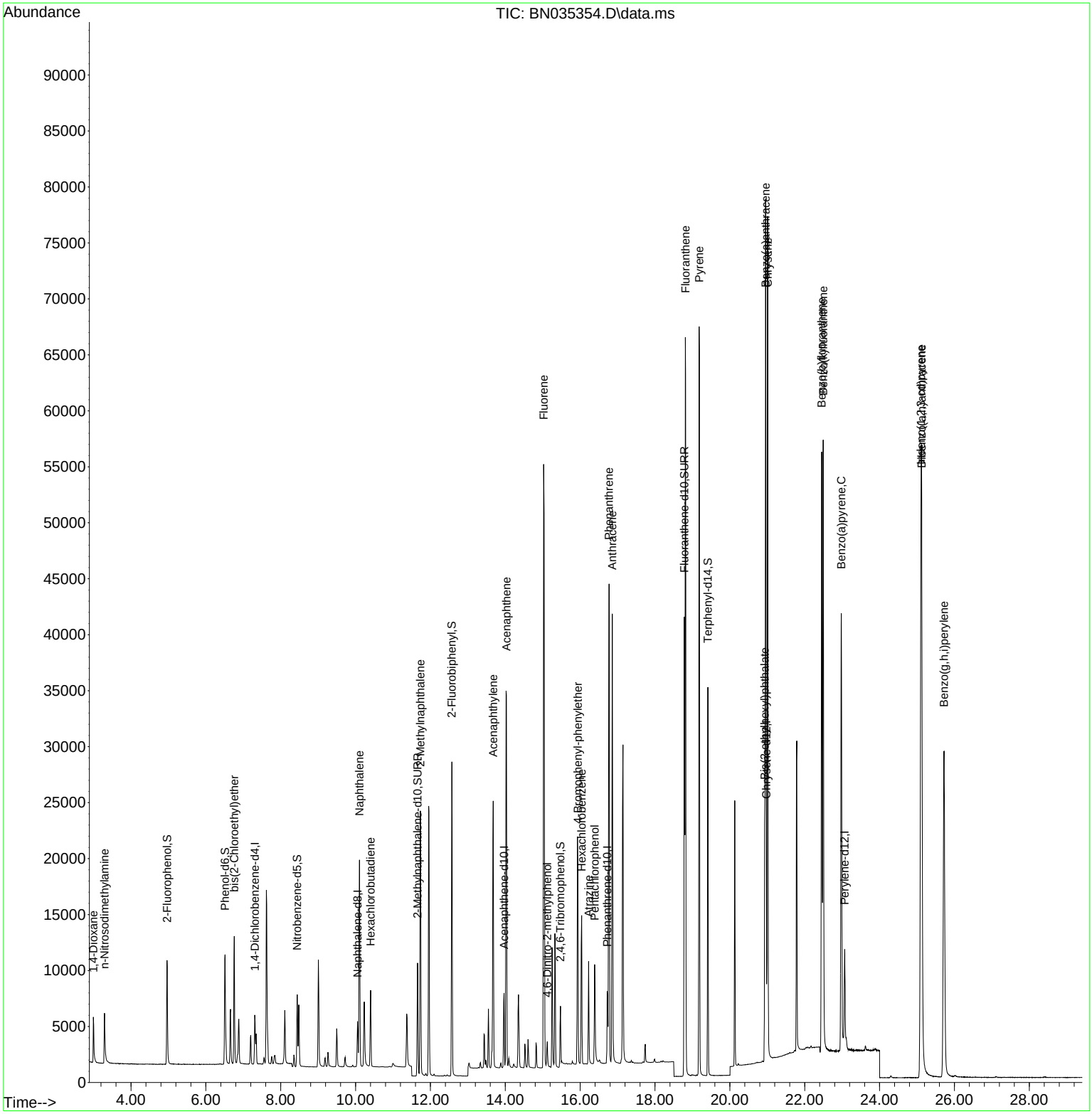
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.308	152	2053	0.400	ng		0.00
7) Naphthalene-d8	10.052	136	5309	0.400	ng		0.00
13) Acenaphthene-d10	13.967	164	3942	0.400	ng		0.00
19) Phenanthrene-d10	16.723	188	9517	0.400	ng		#-0.01
29) Chrysene-d12	20.974	240	9905	0.400	ng		0.00
35) Perylene-d12	23.067	264	10469	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	4.968	112	8194	1.572	ng		0.00
5) Phenol-d6	6.513	99	10139	1.552	ng		0.00
8) Nitrobenzene-d5	8.440	82	5450	1.179	ng		0.00
11) 2-Methylnaphthalene-d10	11.656	152	13988	1.478	ng		0.00
14) 2,4,6-Tribromophenol	15.475	330	4615	1.623	ng		0.00
15) 2-Fluorobiphenyl	12.574	172	24687	1.542	ng		0.00
27) Fluoranthene-d10	18.785	212	44338	1.521	ng		0.00
31) Terphenyl-d14	19.412	244	32174	1.548	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.996	88	3220	1.727	ng		99
3) n-Nitrosodimethylamine	3.292	42	2729	1.570	ng	#	97
6) bis(2-Chloroethyl)ether	6.759	93	8629	1.759	ng		100
9) Naphthalene	10.105	128	23280	1.680	ng		98
10) Hexachlorobutadiene	10.404	225	5409	1.331	ng	#	100
12) 2-Methylnaphthalene	11.732	142	16881	1.651	ng		98
16) Acenaphthylene	13.679	152	27389	1.626	ng		99
17) Acenaphthene	14.032	154	18061	1.636	ng		99
18) Fluorene	15.026	166	26044	1.604	ng		99
20) 4,6-Dinitro-2-methylph...	15.122	198	1947	0.983	ng	#	69
21) 4-Bromophenyl-phenylether	15.941	248	9493	1.566	ng		96
22) Hexachlorobenzene	16.041	284	10969	1.743	ng		100
23) Atrazine	16.227	200	6644	1.221	ng		96
24) Pentachlorophenol	16.388	266	4618	1.571	ng	#	85
25) Phenanthrene	16.773	178	43698	1.745	ng		100
26) Anthracene	16.860	178	39964	1.737	ng		99
28) Fluoranthene	18.813	202	58605	1.702	ng		100
30) Pyrene	19.180	202	60164	1.824	ng		100
32) Benzo(a)anthracene	20.956	228	57498	1.667	ng		100
33) Chrysene	21.010	228	58919	1.725	ng		99
34) Bis(2-ethylhexyl)phtha...	20.929	149	20598	1.138	ng		100
36) Indeno(1,2,3-cd)pyrene	25.105	276	69517	1.665	ng		99
37) Benzo(b)fluoranthene	22.454	252	76506	2.172	ng		95
38) Benzo(k)fluoranthene	22.494	252	63925	1.814	ng	#	95
39) Benzo(a)pyrene	22.977	252	52595	1.697	ng	#	94
40) Dibenzo(a,h)anthracene	25.126	278	55068	1.664	ng		96
41) Benzo(g,h,i)perylene	25.719	276	56947	1.618	ng		97

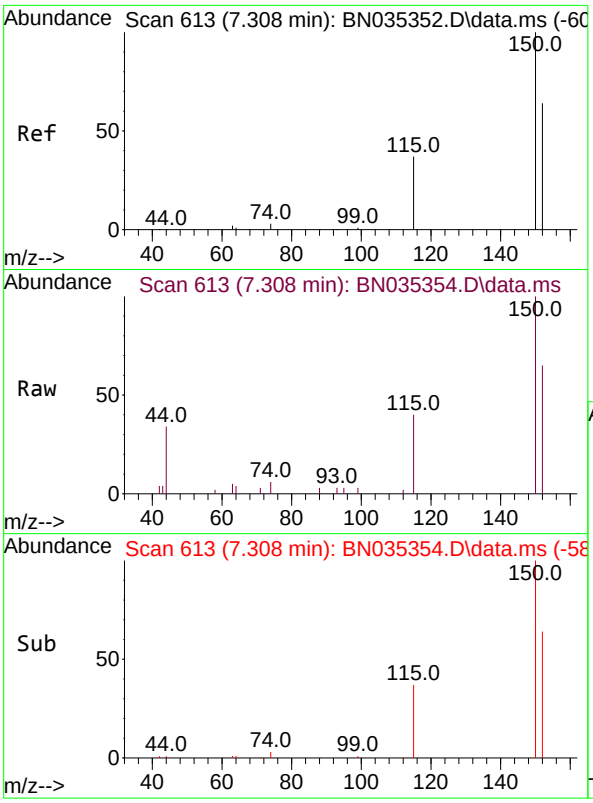
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
Data File : BN035354.D
Acq On : 27 Nov 2024 17:57
Operator : RC/JU
Sample : SSTDICC1.6
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Quant Time: Nov 27 22:53:28 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 27 22:48:24 2024
Response via : Initial Calibration



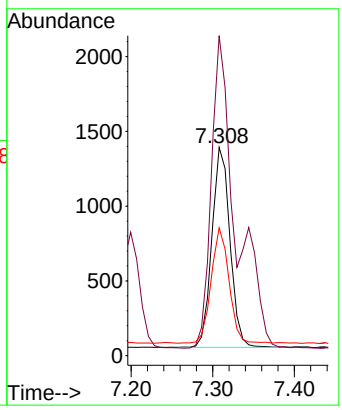


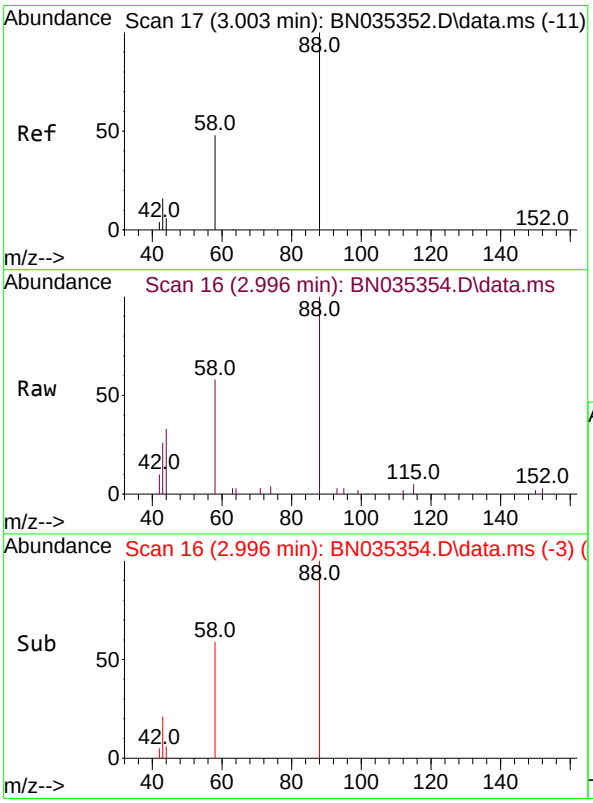
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.308 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN035354.D
Acq: 27 Nov 2024 17:57

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:152 Resp: 2053

Ion	Ratio	Lower	Upper
152	100		
150	153.6	124.0	186.0
115	61.4	49.6	74.4

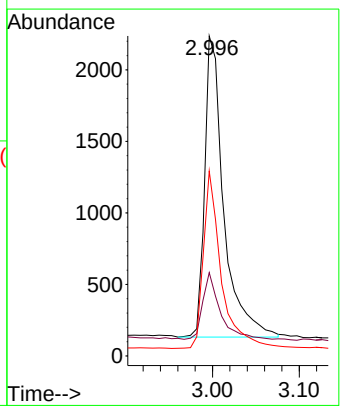


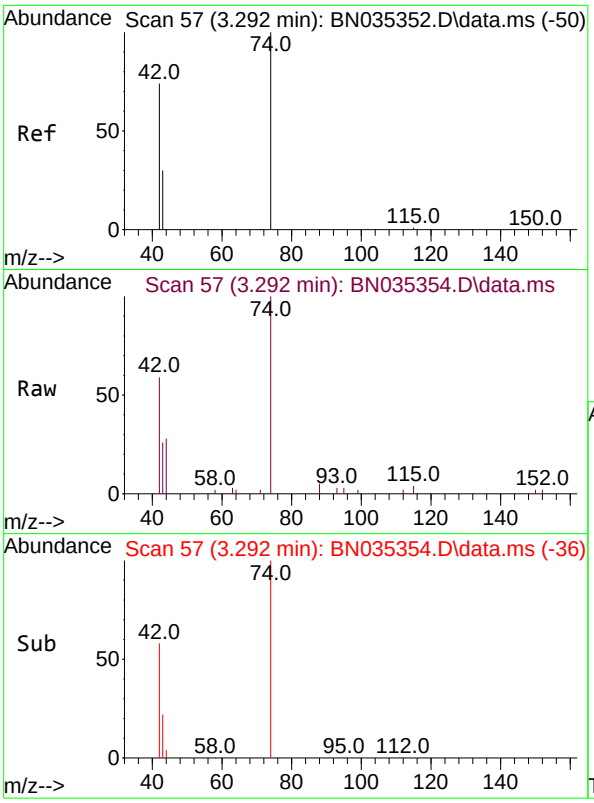


#2
1,4-Dioxane
Concen: 1.727 ng
RT: 2.996 min Scan# 16
Delta R.T. -0.007 min
Lab File: BN035354.D
Acq: 27 Nov 2024 17:57

Tgt Ion: 88 Resp: 3220

Ion	Ratio	Lower	Upper
88	100		
43	20.3	17.2	25.8
58	55.1	44.5	66.7



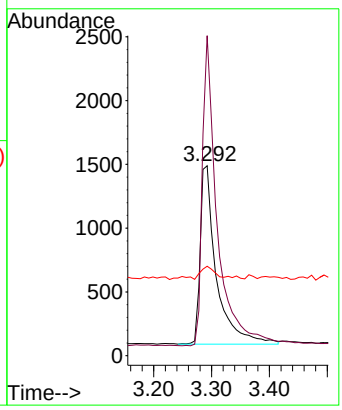


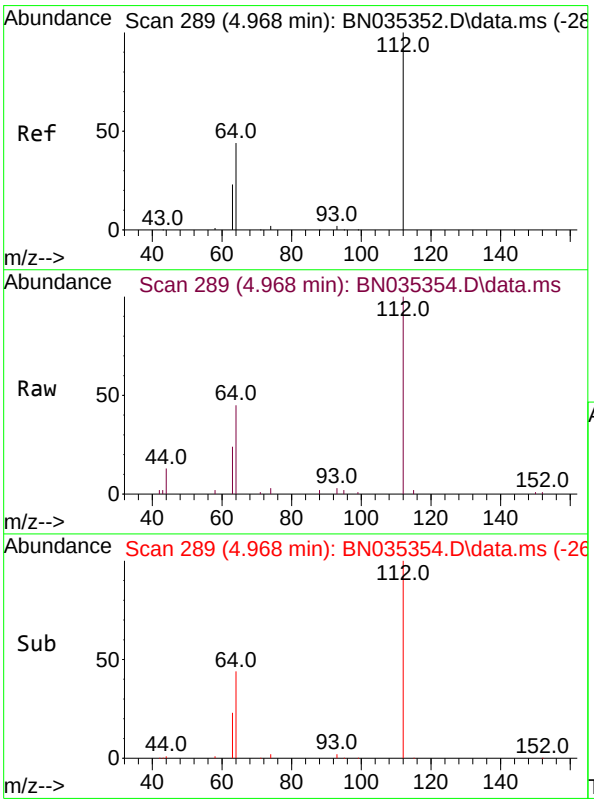
#3
n-Nitrosodimethylamine
Concen: 1.570 ng
RT: 3.292 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN035354.D
Acq: 27 Nov 2024 17:57

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion: 42 Resp: 2729

Ion	Ratio	Lower	Upper
42	100		
74	160.4	124.9	187.3
44	6.2	2.2	3.4#

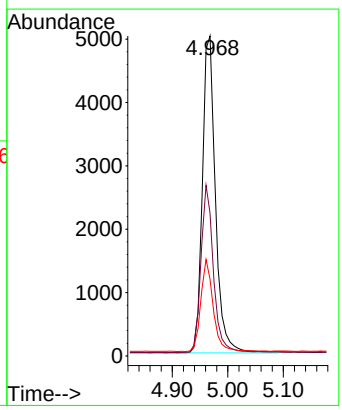


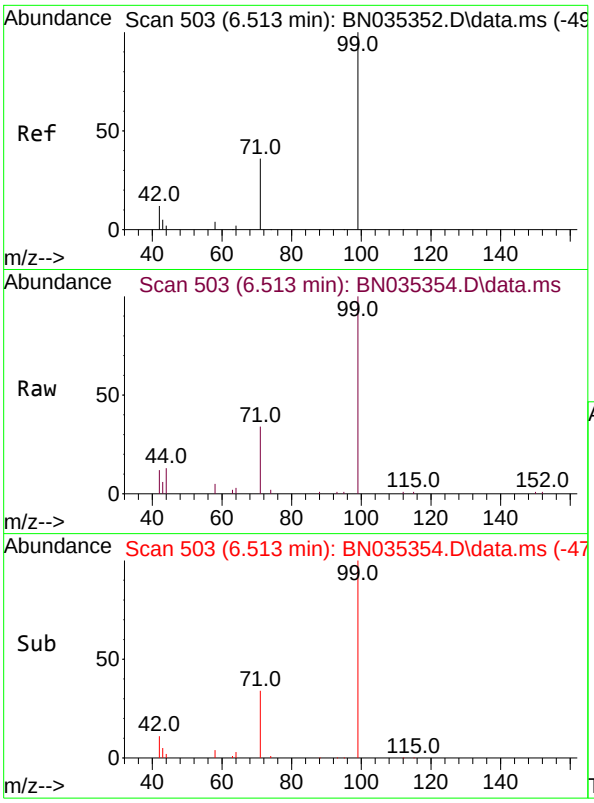


#4
2-Fluorophenol
Concen: 1.572 ng
RT: 4.968 min Scan# 289
Delta R.T. 0.000 min
Lab File: BN035354.D
Acq: 27 Nov 2024 17:57

Tgt Ion:112 Resp: 8194

Ion	Ratio	Lower	Upper
112	100		
64	50.7	39.8	59.8
63	27.5	21.0	31.6



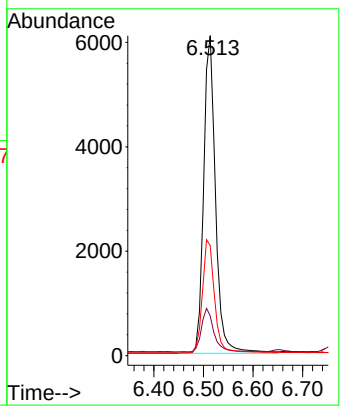


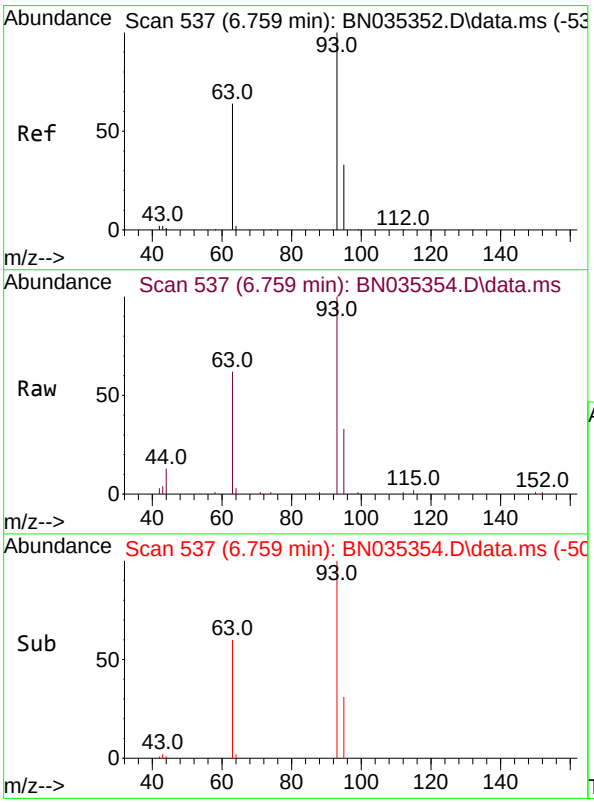
#5
Phenol-d6
Concen: 1.552 ng
RT: 6.513 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN035354.D
Acq: 27 Nov 2024 17:57

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion: 99 Resp: 10139

Ion	Ratio	Lower	Upper
99	100		
42	14.5	11.4	17.2
71	36.3	29.3	43.9

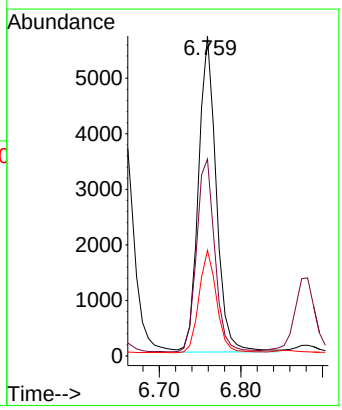


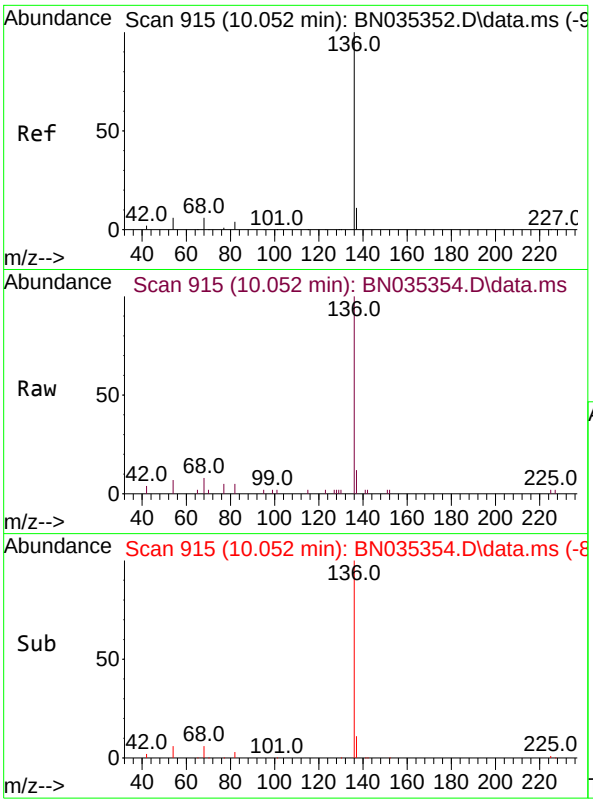


#6
bis(2-Chloroethyl)ether
Concen: 1.759 ng
RT: 6.759 min Scan# 537
Delta R.T. 0.000 min
Lab File: BN035354.D
Acq: 27 Nov 2024 17:57

Tgt Ion: 93 Resp: 8629

Ion	Ratio	Lower	Upper
93	100		
63	62.6	50.4	75.6
95	32.2	25.7	38.5



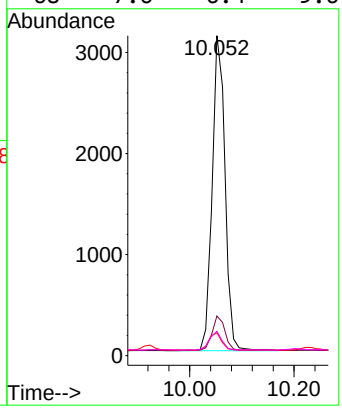


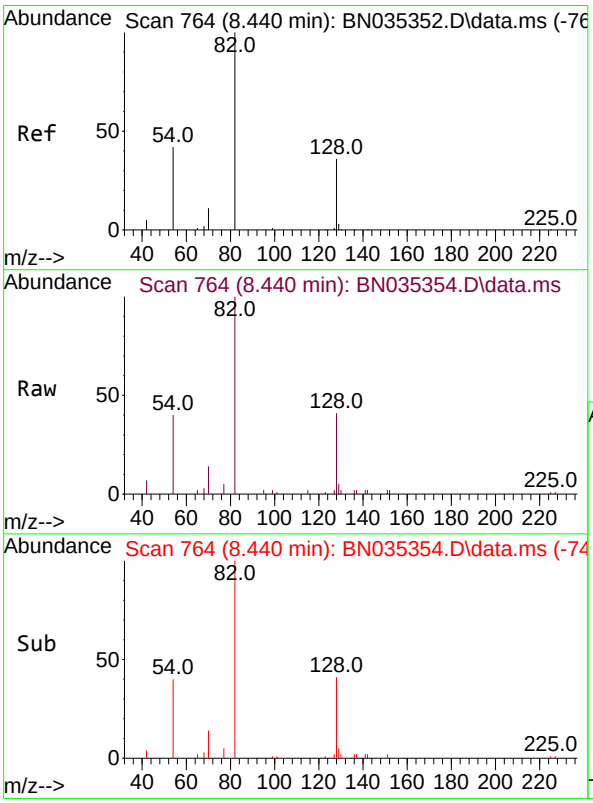
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.052 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN035354.D
Acq: 27 Nov 2024 17:57

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:136 Resp: 5309

Ion	Ratio	Lower	Upper
136	100		
137	12.4	10.2	15.2
54	7.2	6.1	9.1
68	7.6	6.4	9.6

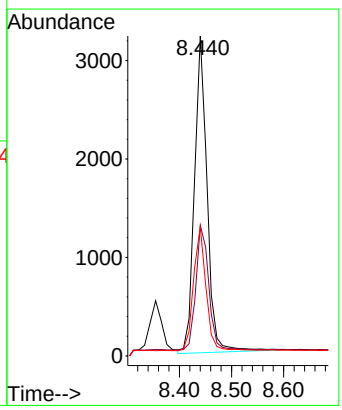


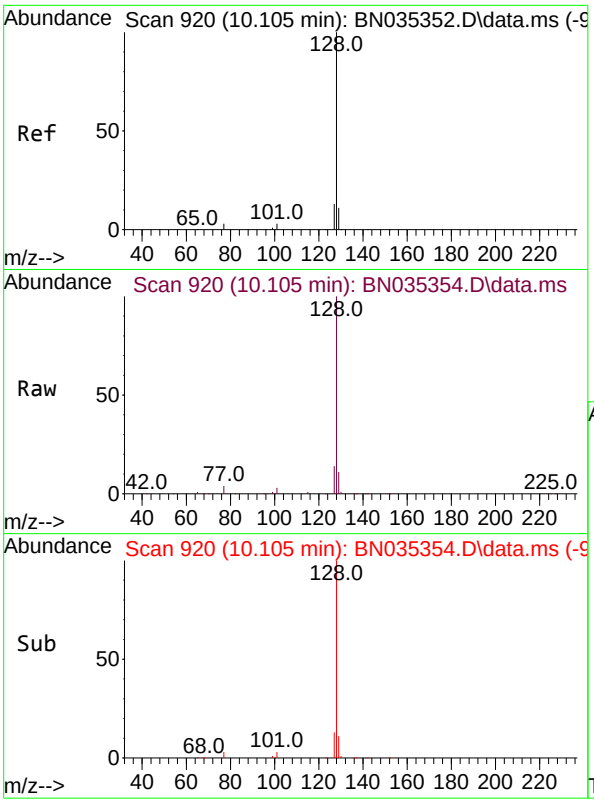


#8
Nitrobenzene-d5
Concen: 1.179 ng
RT: 8.440 min Scan# 764
Delta R.T. 0.000 min
Lab File: BN035354.D
Acq: 27 Nov 2024 17:57

Tgt Ion: 82 Resp: 5450

Ion	Ratio	Lower	Upper
82	100		
128	40.8	33.4	50.0
54	40.3	36.7	55.1



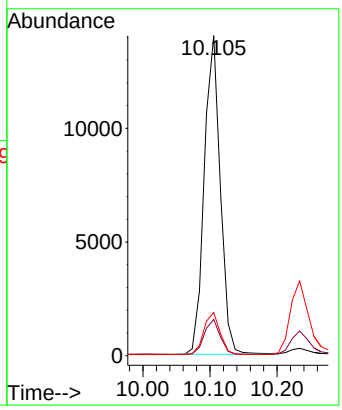


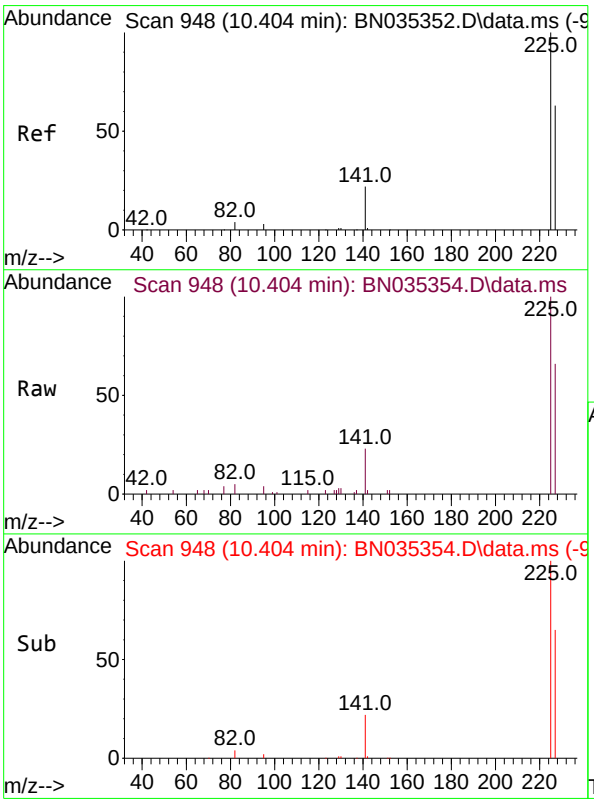
#9
Naphthalene
Concen: 1.680 ng
RT: 10.105 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN035354.D
Acq: 27 Nov 2024 17:57

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:128 Resp: 23280

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.8	14.6
127	13.5	11.4	17.2

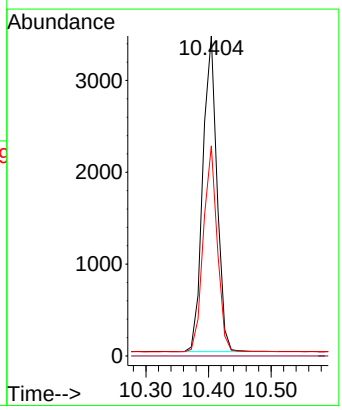


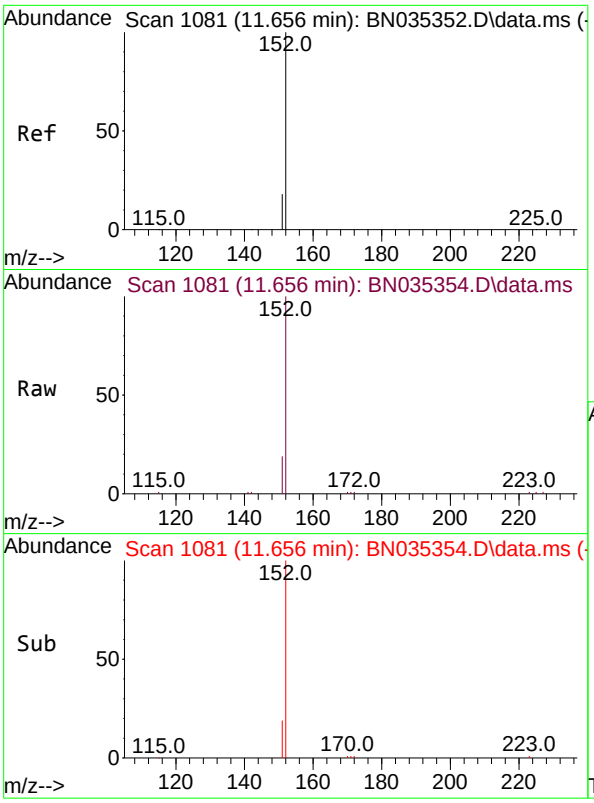


#10
Hexachlorobutadiene
Concen: 1.331 ng
RT: 10.404 min Scan# 948
Delta R.T. 0.000 min
Lab File: BN035354.D
Acq: 27 Nov 2024 17:57

Tgt Ion:225 Resp: 5409

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.9	51.3	76.9



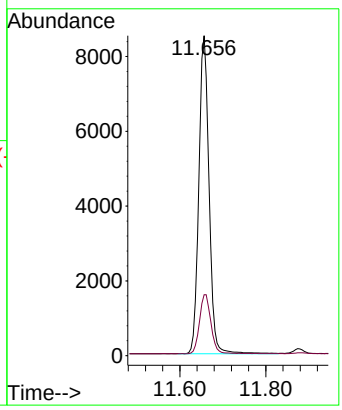


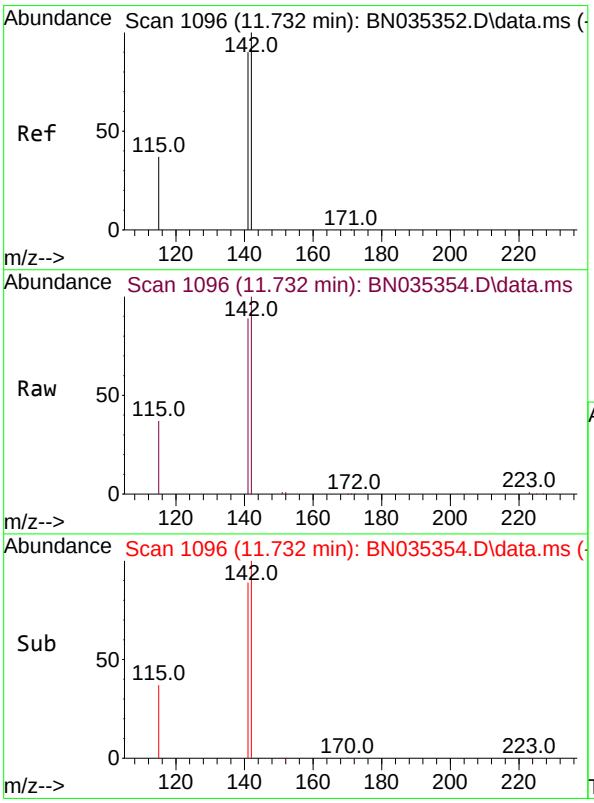
#11
2-Methylnaphthalene-d10
Concen: 1.478 ng
RT: 11.656 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN035354.D
Acq: 27 Nov 2024 17:57

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:152 Resp: 13988

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.6	25.0

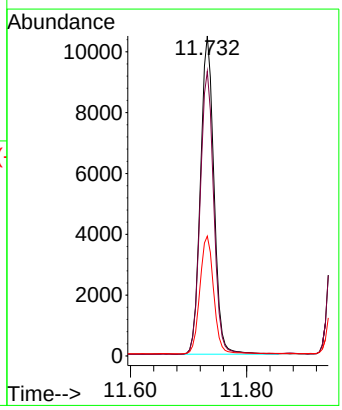


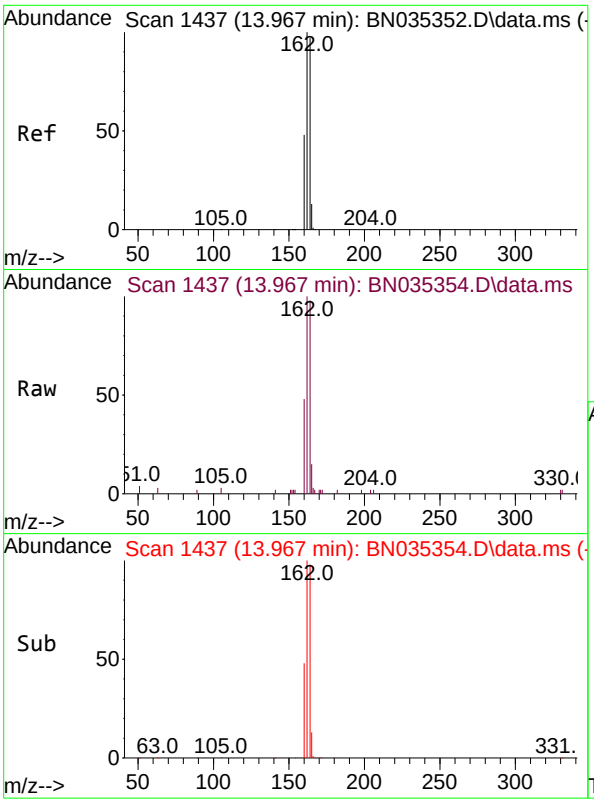


#12
2-Methylnaphthalene
Concen: 1.651 ng
RT: 11.732 min Scan# 1096
Delta R.T. 0.000 min
Lab File: BN035354.D
Acq: 27 Nov 2024 17:57

Tgt Ion:142 Resp: 16881

Ion	Ratio	Lower	Upper
142	100		
141	89.0	72.2	108.4
115	37.5	31.4	47.0



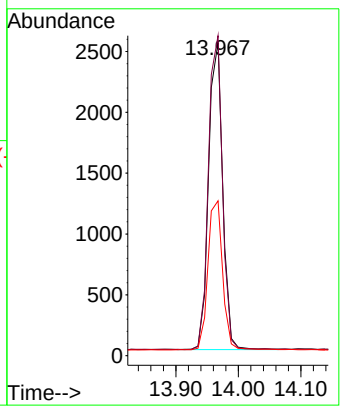


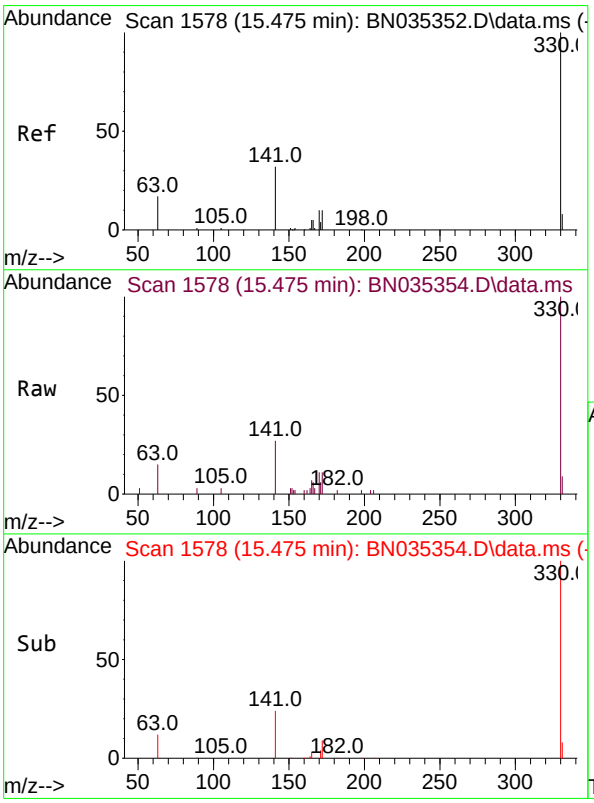
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.967 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN035354.D
Acq: 27 Nov 2024 17:57

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:164 Resp: 3942

Ion	Ratio	Lower	Upper
164	100		
162	102.2	82.2	123.2
160	49.5	40.1	60.1

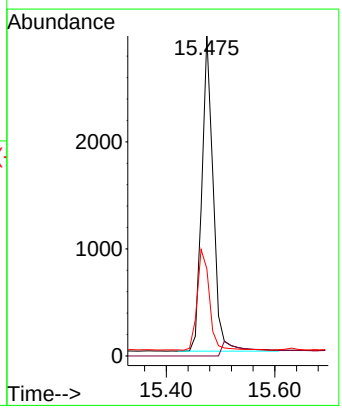


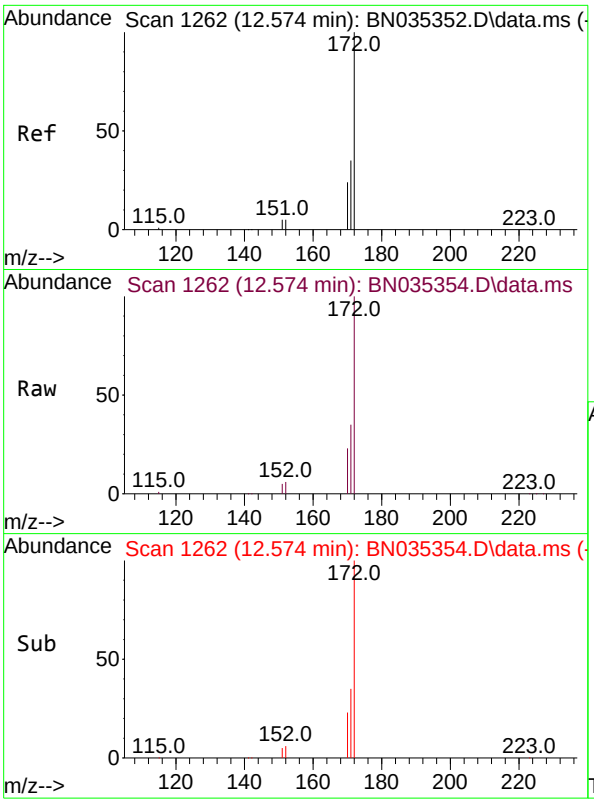


#14
2,4,6-Tribromophenol
Concen: 1.623 ng
RT: 15.475 min Scan# 1578
Delta R.T. 0.000 min
Lab File: BN035354.D
Acq: 27 Nov 2024 17:57

Tgt Ion:330 Resp: 4615

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	33.6	26.6	40.0



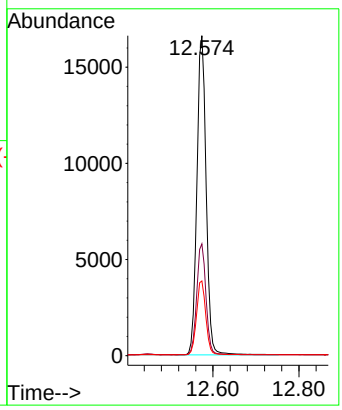


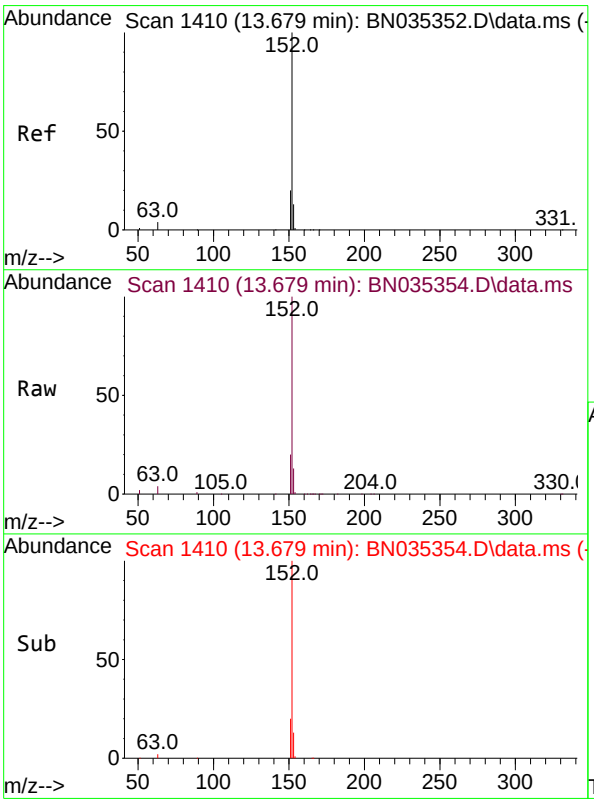
#15
2-Fluorobiphenyl
Concen: 1.542 ng
RT: 12.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN035354.D
Acq: 27 Nov 2024 17:57

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:172 Resp: 24687

Ion	Ratio	Lower	Upper
172	100		
171	35.0	29.0	43.4
170	23.4	19.8	29.8

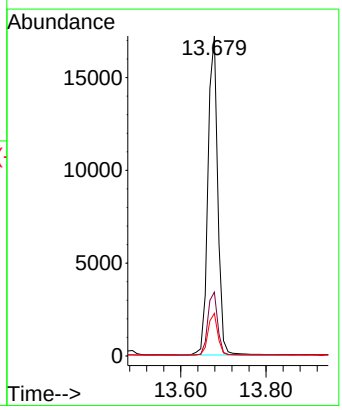


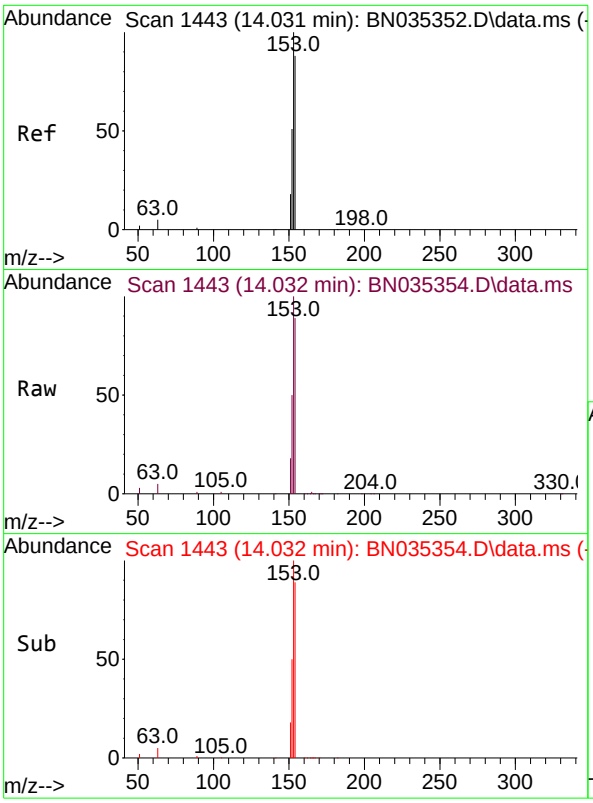


#16
Acenaphthylene
Concen: 1.626 ng
RT: 13.679 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BN035354.D
Acq: 27 Nov 2024 17:57

Tgt Ion:152 Resp: 27389

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.2	24.2
153	13.0	10.4	15.6



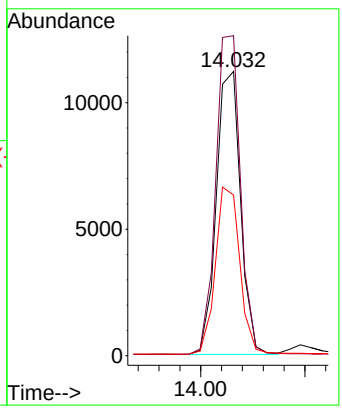


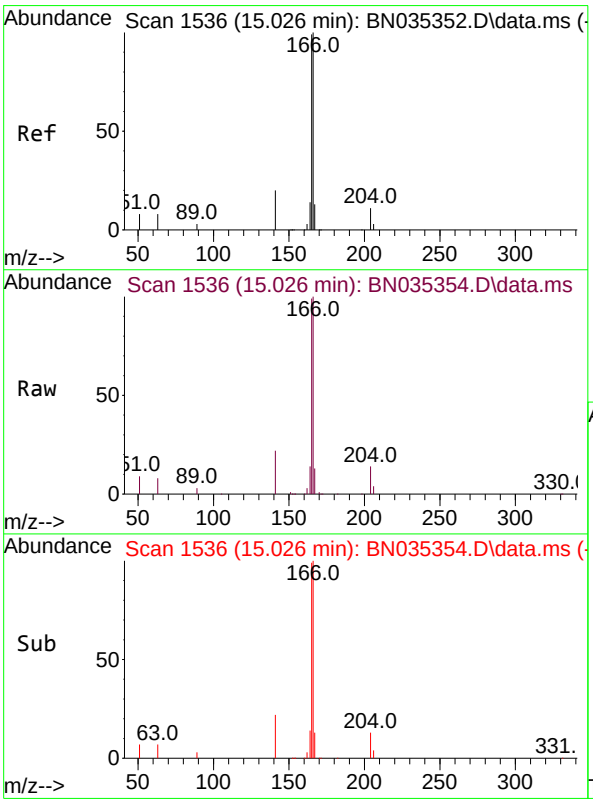
#17
Acenaphthene
Concen: 1.636 ng
RT: 14.032 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN035354.D
Acq: 27 Nov 2024 17:57

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:154 Resp: 18061

Ion	Ratio	Lower	Upper
154	100		
153	115.1	92.6	139.0
152	59.9	49.0	73.6

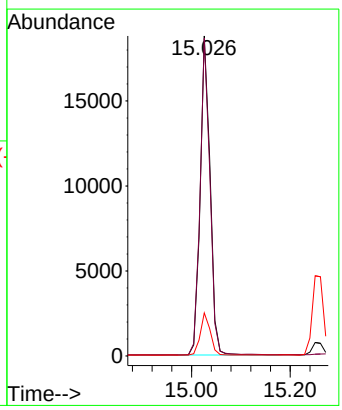


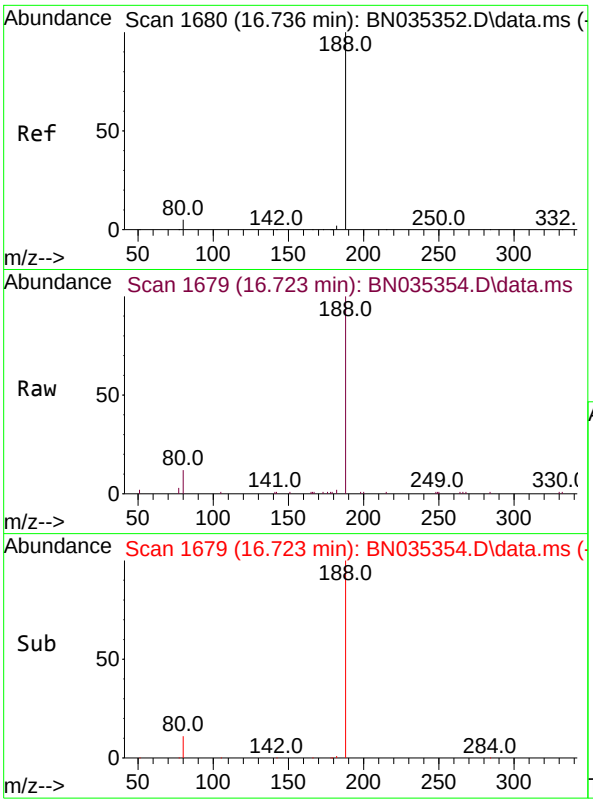


#18
Fluorene
Concen: 1.604 ng
RT: 15.026 min Scan# 1536
Delta R.T. 0.000 min
Lab File: BN035354.D
Acq: 27 Nov 2024 17:57

Tgt Ion:166 Resp: 26044

Ion	Ratio	Lower	Upper
166	100		
165	98.2	79.7	119.5
167	13.3	10.8	16.2



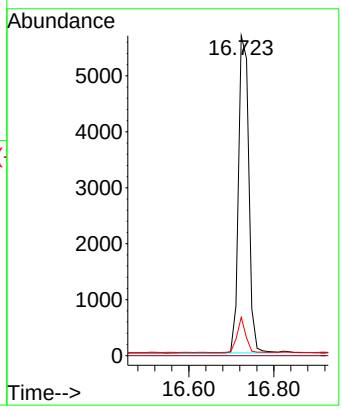


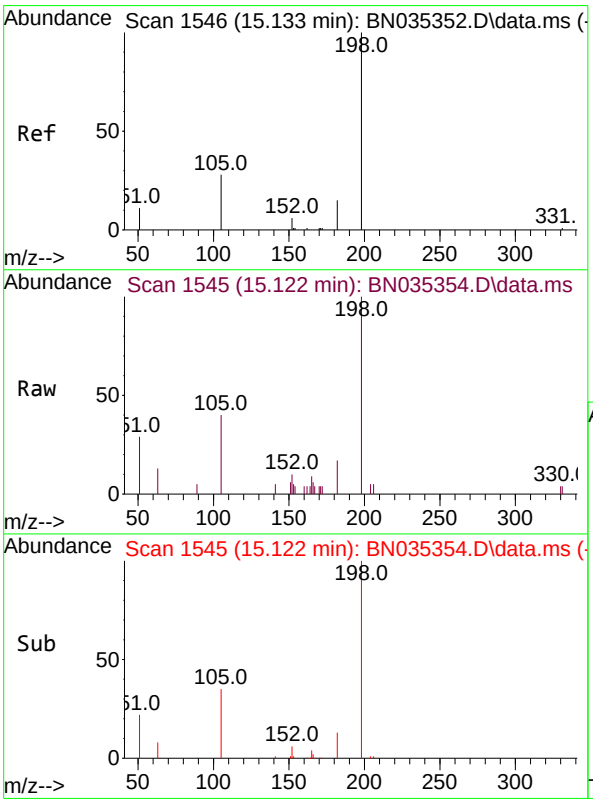
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.723 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN035354.D
Acq: 27 Nov 2024 17:57

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:188 Resp: 9517

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	12.0	4.6	6.8#

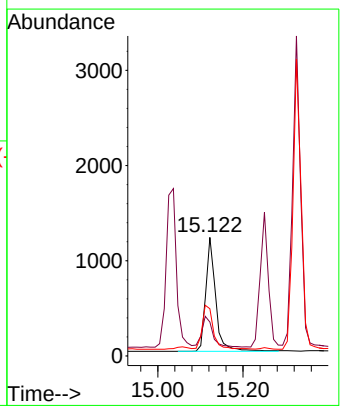


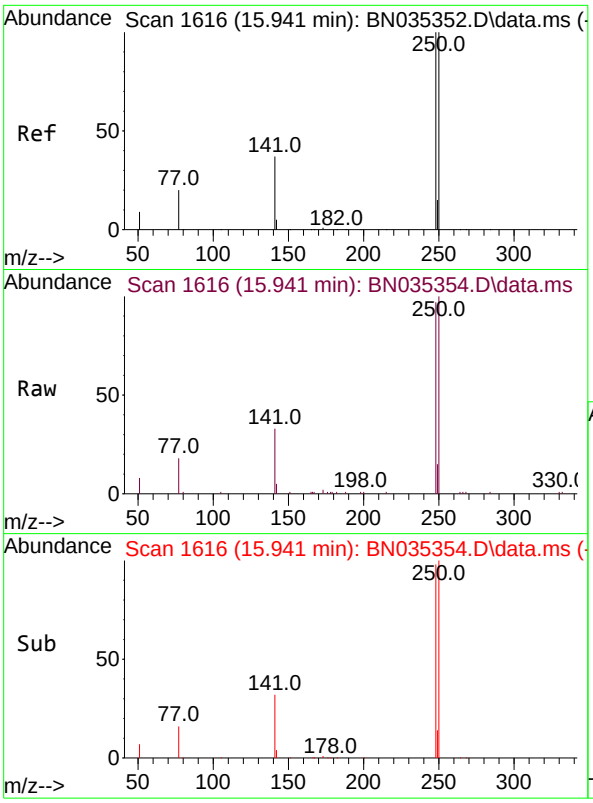


#20
4,6-Dinitro-2-methylphenol
Concen: 0.983 ng
RT: 15.122 min Scan# 1545
Delta R.T. -0.011 min
Lab File: BN035354.D
Acq: 27 Nov 2024 17:57

Tgt Ion:198 Resp: 1947

Ion	Ratio	Lower	Upper
198	100		
51	28.6	46.5	69.7#
105	39.8	45.3	67.9#



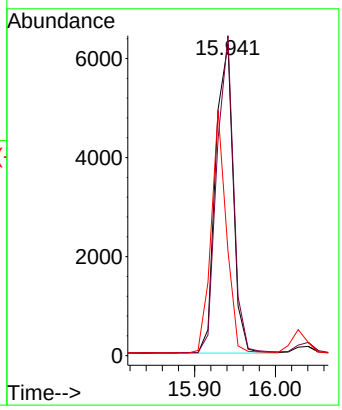


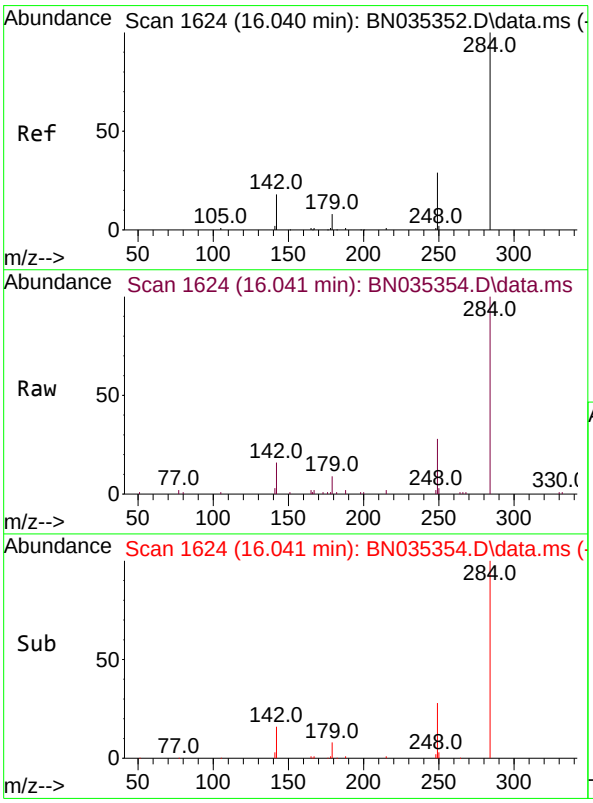
#21
4-Bromophenyl-phenylether
Concen: 1.566 ng
RT: 15.941 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN035354.D
Acq: 27 Nov 2024 17:57

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:248 Resp: 9493

Ion	Ratio	Lower	Upper
248	100		
250	102.7	80.6	120.8
141	33.7	31.5	47.3

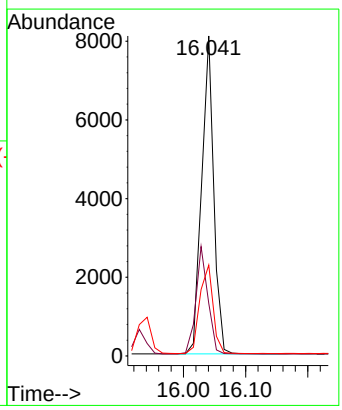


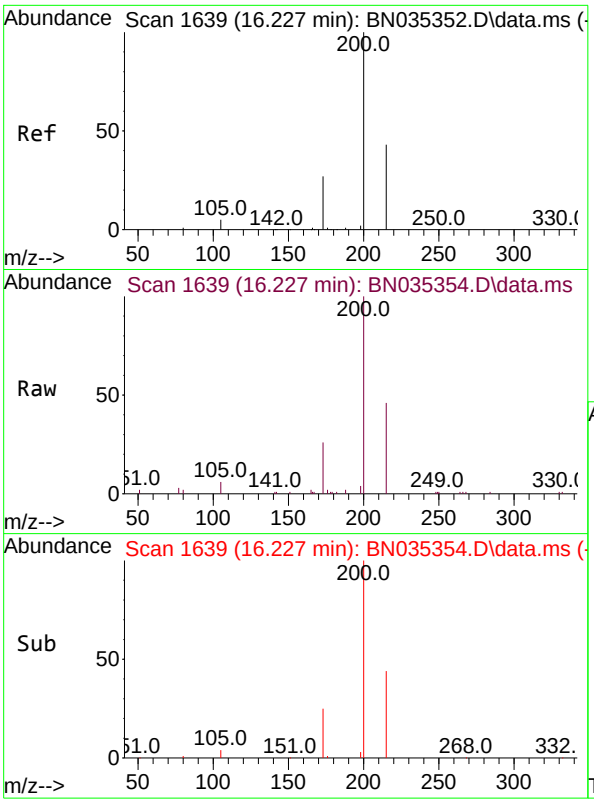


#22
Hexachlorobenzene
Concen: 1.743 ng
RT: 16.041 min Scan# 1624
Delta R.T. 0.000 min
Lab File: BN035354.D
Acq: 27 Nov 2024 17:57

Tgt Ion:284 Resp: 10969

Ion	Ratio	Lower	Upper
284	100		
142	33.5	26.7	40.1
249	30.6	24.6	36.8



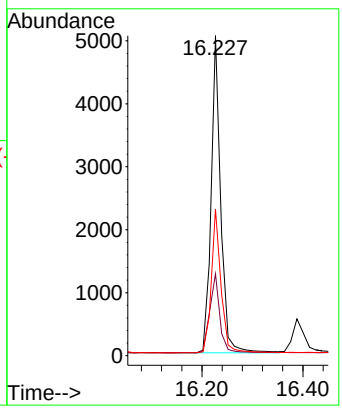


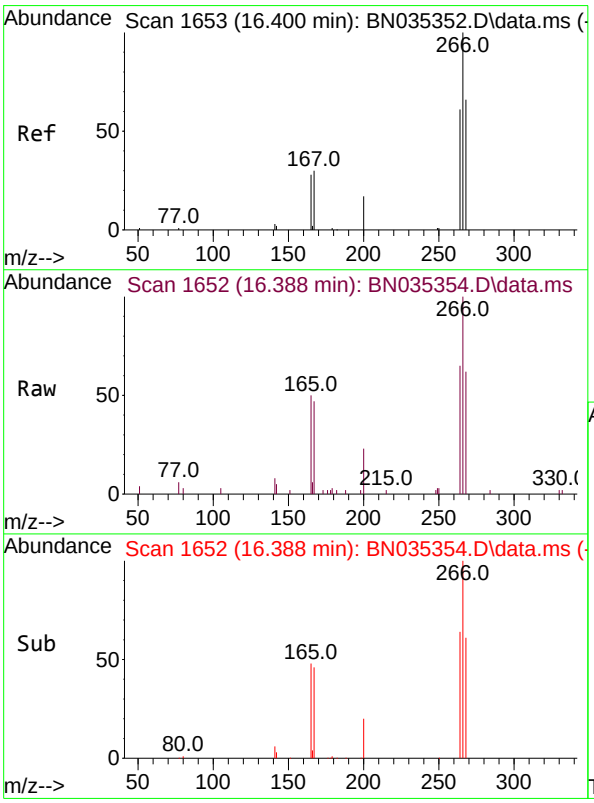
#23
Atrazine
Concen: 1.221 ng
RT: 16.227 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN035354.D
Acq: 27 Nov 2024 17:57

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:200 Resp: 6644

Ion	Ratio	Lower	Upper
200	100		
173	25.6	24.1	36.1
215	45.8	36.9	55.3

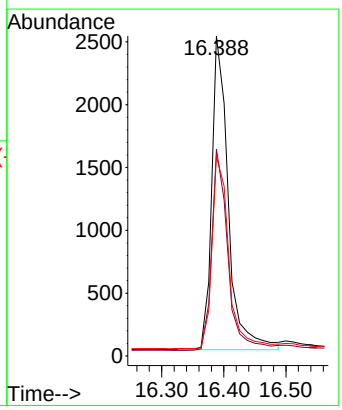


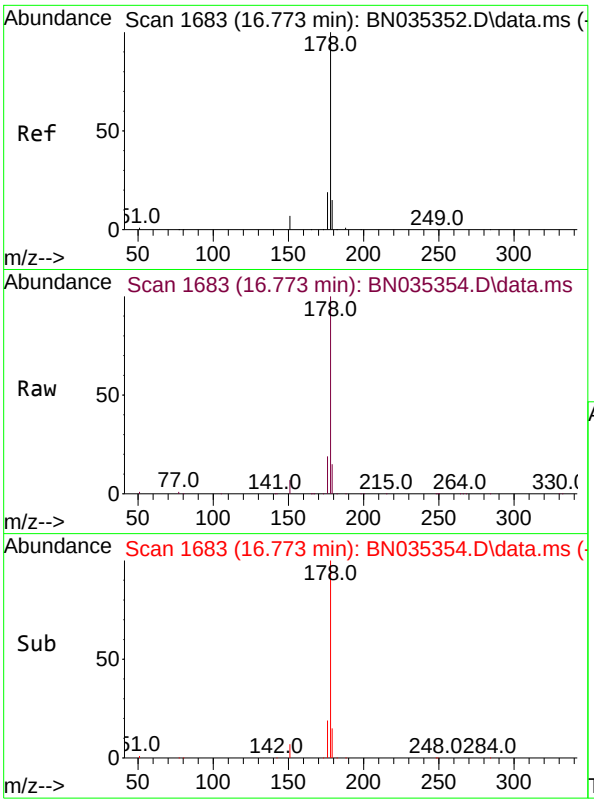


#24
Pentachlorophenol
Concen: 1.571 ng
RT: 16.388 min Scan# 1652
Delta R.T. -0.012 min
Lab File: BN035354.D
Acq: 27 Nov 2024 17:57

Tgt Ion:266 Resp: 4618

Ion	Ratio	Lower	Upper
266	100		
264	64.8	42.3	63.5#
268	62.9	43.3	64.9



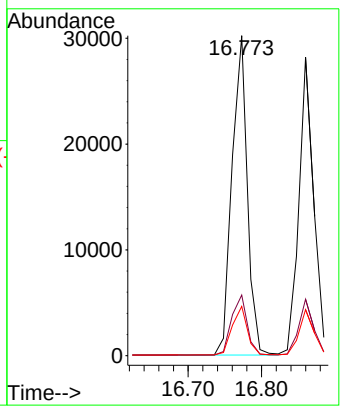


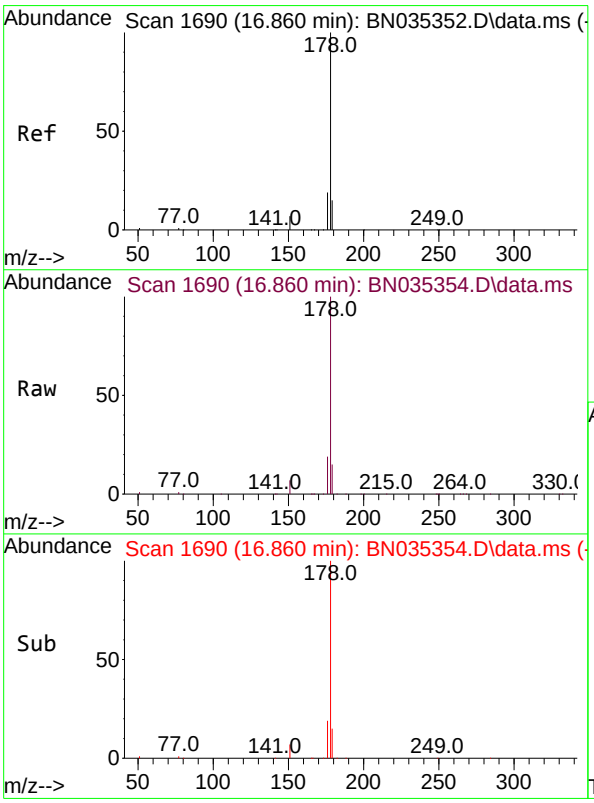
#25
Phenanthrene
Concen: 1.745 ng
RT: 16.773 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN035354.D
Acq: 27 Nov 2024 17:57

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:178 Resp: 43698

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	15.2	12.3	18.5

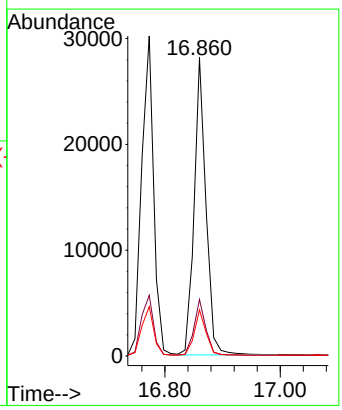


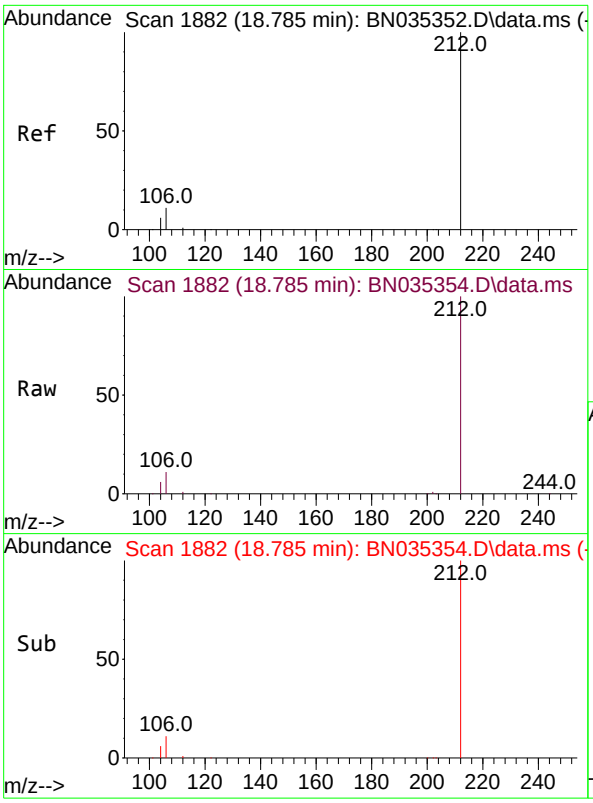


#26
Anthracene
Concen: 1.737 ng
RT: 16.860 min Scan# 1690
Delta R.T. 0.000 min
Lab File: BN035354.D
Acq: 27 Nov 2024 17:57

Tgt Ion:178 Resp: 39964

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.6
179	15.3	12.6	18.8



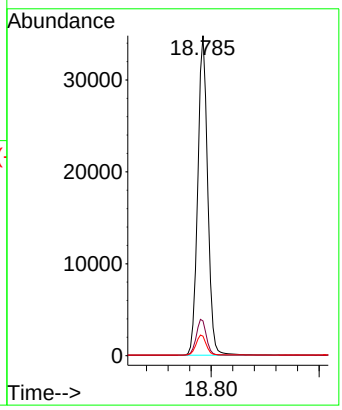


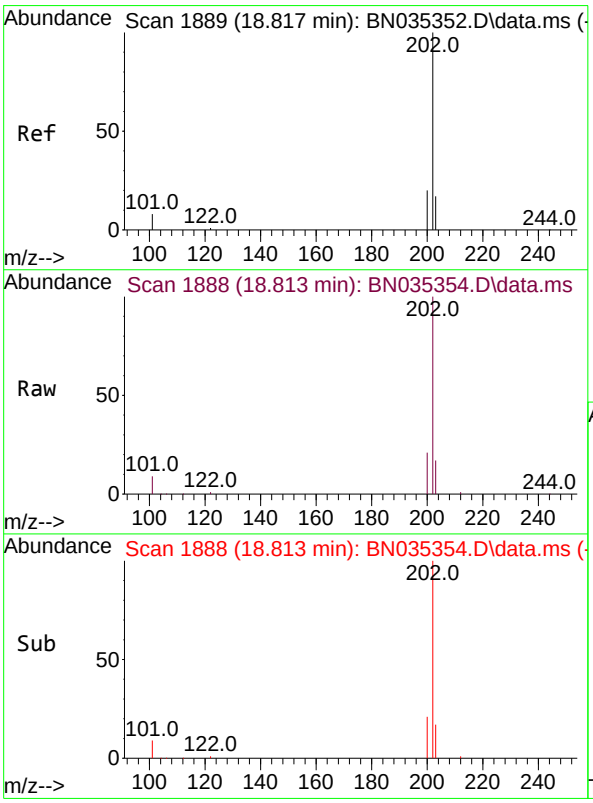
#27
Fluoranthene-d10
Concen: 1.521 ng
RT: 18.785 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN035354.D
Acq: 27 Nov 2024 17:57

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:212 Resp: 44338

Ion	Ratio	Lower	Upper
212	100		
106	11.4	9.2	13.8
104	6.4	5.3	7.9

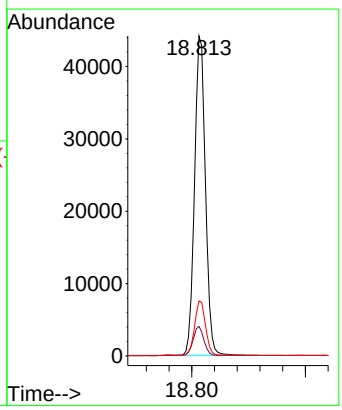


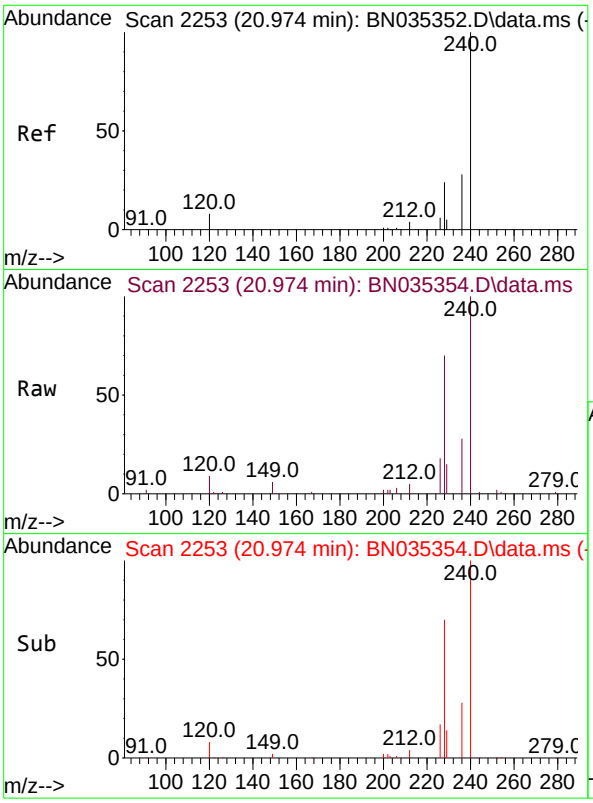


#28
Fluoranthene
Concen: 1.702 ng
RT: 18.813 min Scan# 1888
Delta R.T. -0.005 min
Lab File: BN035354.D
Acq: 27 Nov 2024 17:57

Tgt Ion:202 Resp: 58605

Ion	Ratio	Lower	Upper
202	100		
101	9.2	7.4	11.0
203	17.1	13.7	20.5



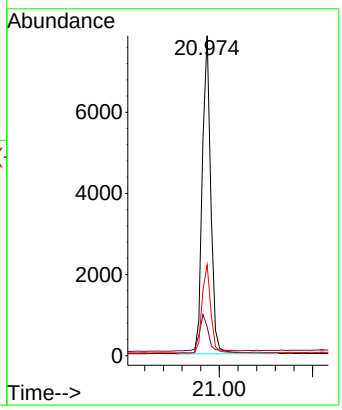


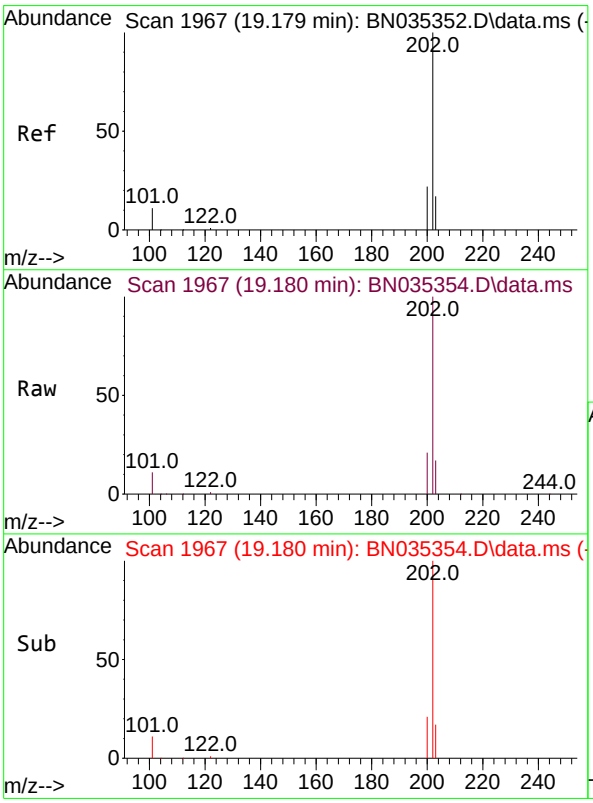
#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.974 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN035354.D
Acq: 27 Nov 2024 17:57

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:240 Resp: 9905

Ion	Ratio	Lower	Upper
240	100		
120	9.0	7.9	11.9
236	28.4	22.9	34.3

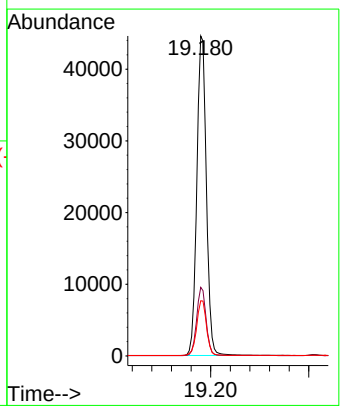


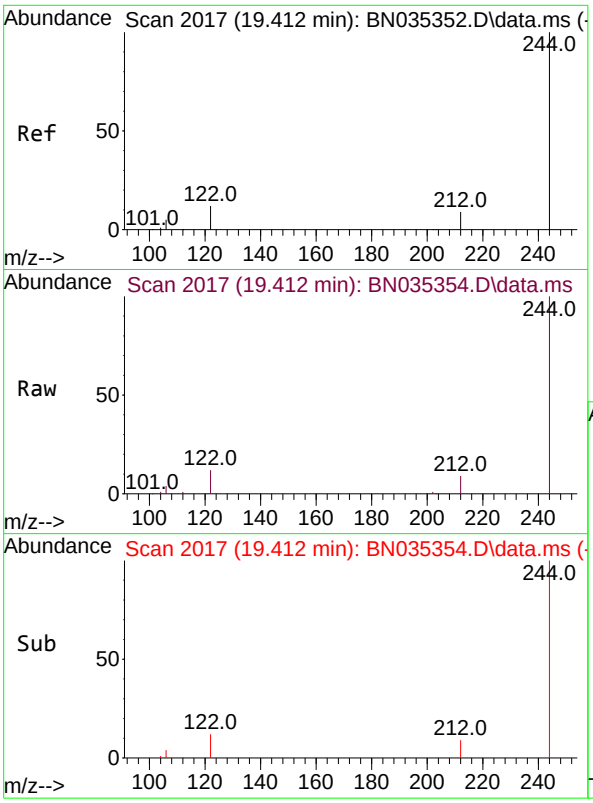


#30
Pyrene
Concen: 1.824 ng
RT: 19.180 min Scan# 1967
Delta R.T. 0.000 min
Lab File: BN035354.D
Acq: 27 Nov 2024 17:57

Tgt Ion:202 Resp: 60164

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.0	25.4
203	17.7	14.3	21.5



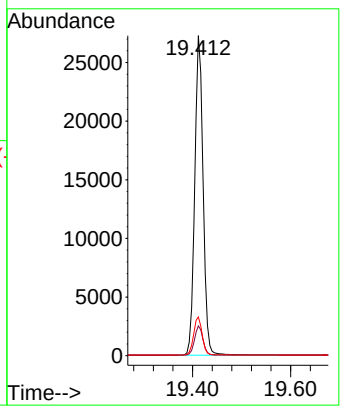


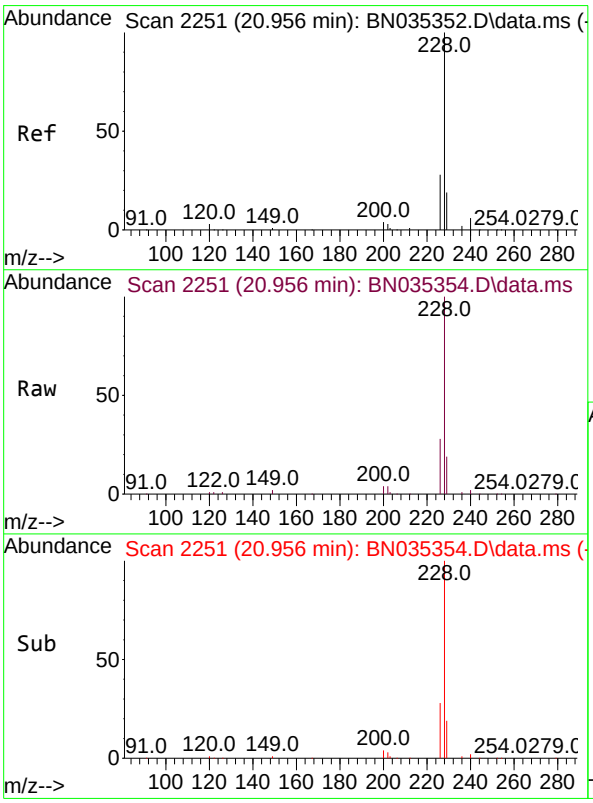
#31
Terphenyl-d14
Concen: 1.548 ng
RT: 19.412 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN035354.D
Acq: 27 Nov 2024 17:57

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:244 Resp: 32174

Ion	Ratio	Lower	Upper
244	100		
212	9.3	8.1	12.1
122	12.1	10.3	15.5

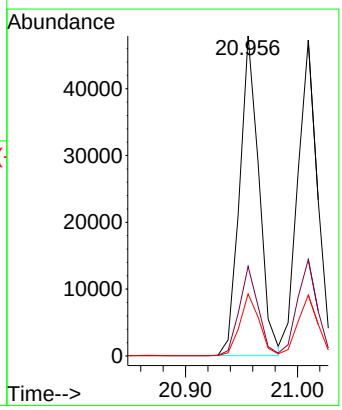


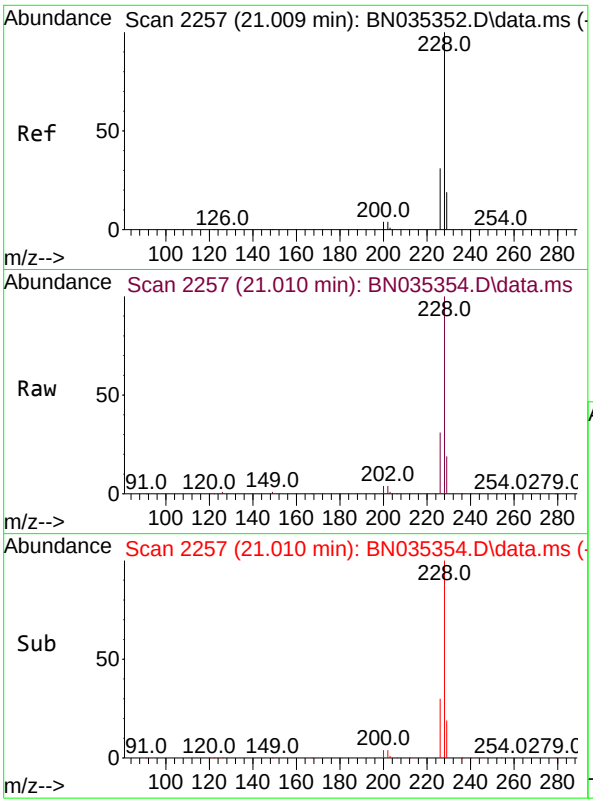


#32
Benzo(a)anthracene
Concen: 1.667 ng
RT: 20.956 min Scan# 2251
Delta R.T. 0.000 min
Lab File: BN035354.D
Acq: 27 Nov 2024 17:57

Tgt Ion:228 Resp: 57498

Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.5	33.7
229	19.4	15.8	23.8



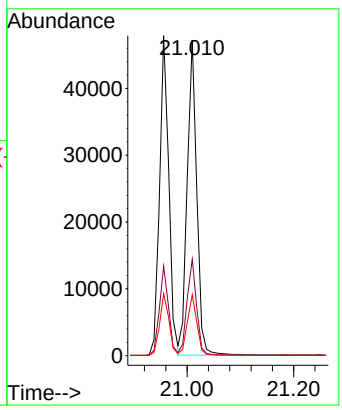


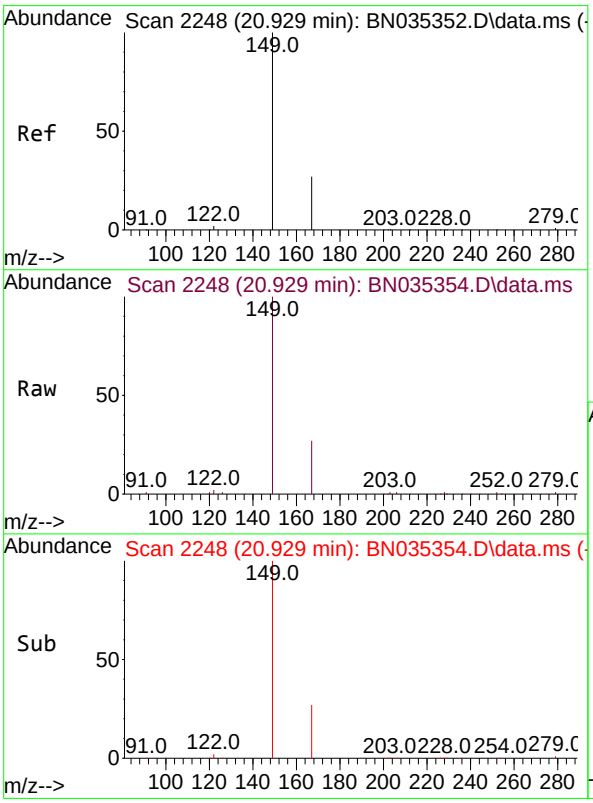
#33
Chrysene
Concen: 1.725 ng
RT: 21.010 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN035354.D
Acq: 27 Nov 2024 17:57

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:228 Resp: 58919

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.6	37.0
229	19.3	15.9	23.9

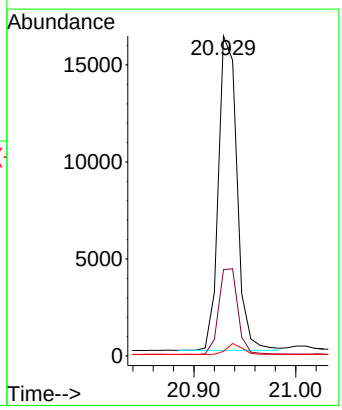


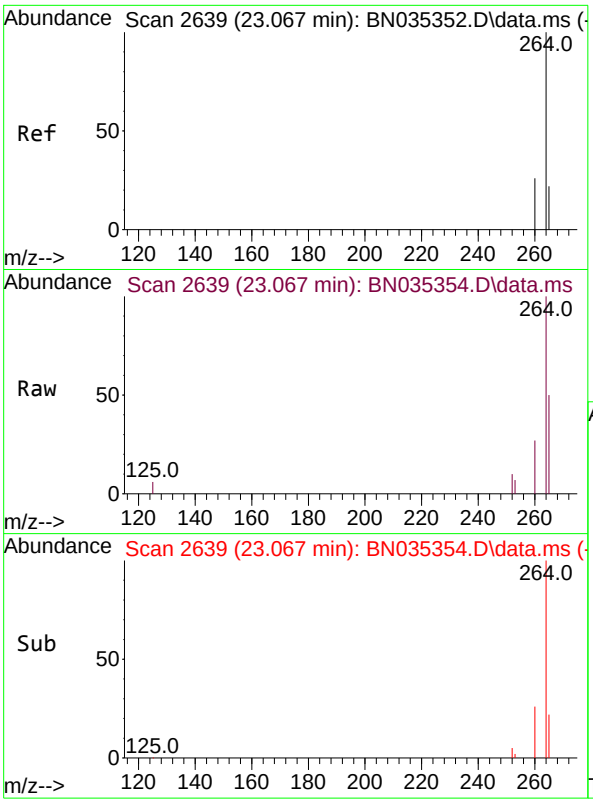


#34
Bis(2-ethylhexyl)phthalate
Concen: 1.138 ng
RT: 20.929 min Scan# 2248
Delta R.T. 0.000 min
Lab File: BN035354.D
Acq: 27 Nov 2024 17:57

Tgt Ion:149 Resp: 20598

Ion	Ratio	Lower	Upper
149	100		
167	28.0	22.2	33.4
279	3.2	2.7	4.1



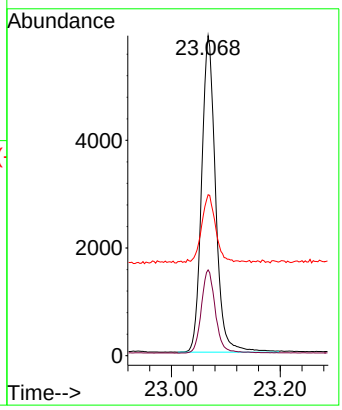


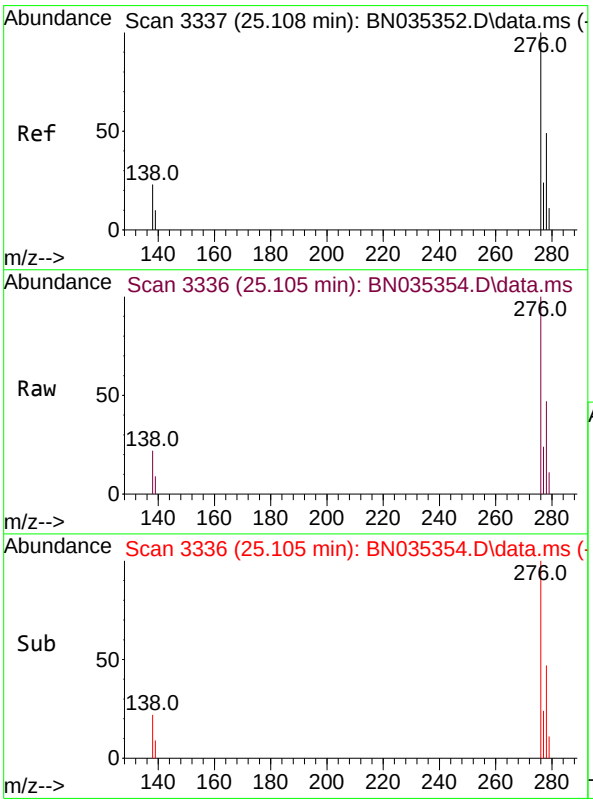
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.067 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN035354.D
Acq: 27 Nov 2024 17:57

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:264 Resp: 10469

Ion	Ratio	Lower	Upper
264	100		
260	26.8	21.4	32.2
265	50.3	40.2	60.4

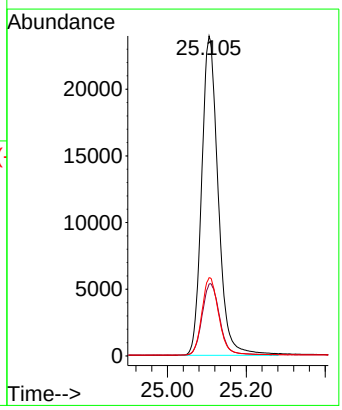


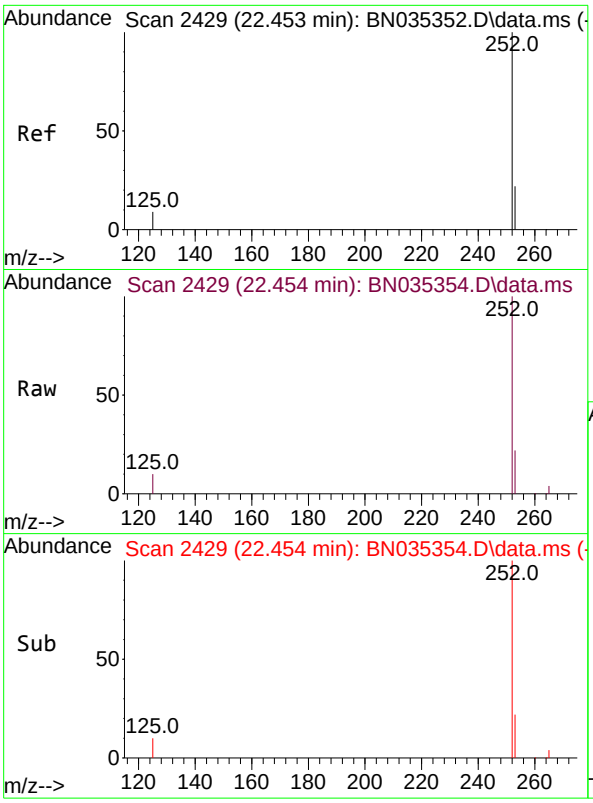


#36
Indeno(1,2,3-cd)pyrene
Concen: 1.665 ng
RT: 25.105 min Scan# 3336
Delta R.T. -0.003 min
Lab File: BN035354.D
Acq: 27 Nov 2024 17:57

Tgt Ion:276 Resp: 69517

Ion	Ratio	Lower	Upper
276	100		
138	23.7	19.4	29.0
277	24.8	19.8	29.6



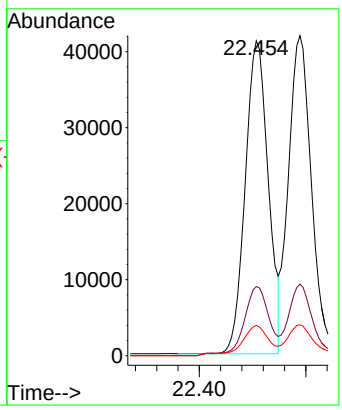


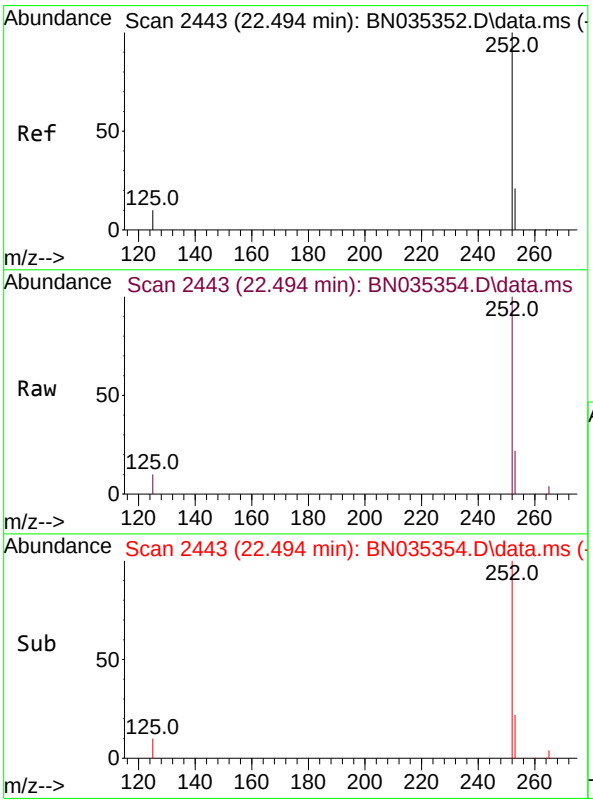
#37
Benzo(b)fluoranthene
Concen: 2.172 ng
RT: 22.454 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN035354.D
Acq: 27 Nov 2024 17:57

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:252 Resp: 76506

Ion	Ratio	Lower	Upper
252	100		
253	22.0	19.6	29.4
125	9.6	9.6	14.4

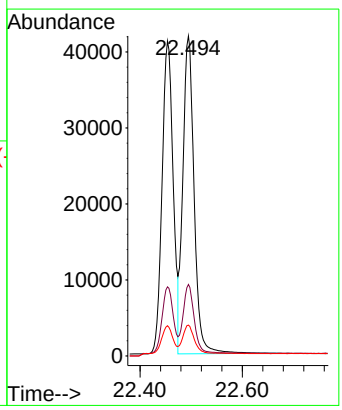


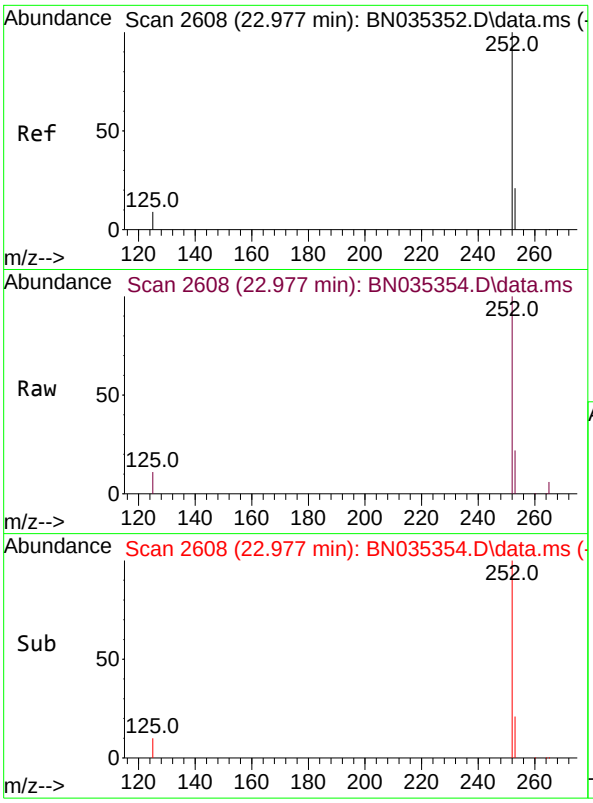


#38
Benzo(k)fluoranthene
Concen: 1.814 ng
RT: 22.494 min Scan# 2443
Delta R.T. 0.000 min
Lab File: BN035354.D
Acq: 27 Nov 2024 17:57

Tgt Ion:252 Resp: 63925

Ion	Ratio	Lower	Upper
252	100		
253	22.3	19.5	29.3
125	9.7	10.2	15.4#



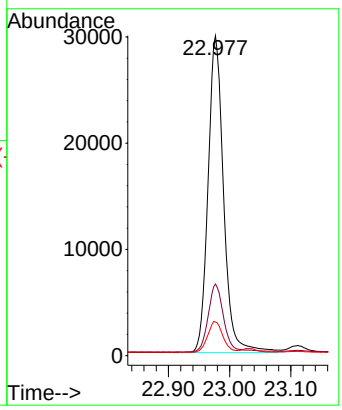


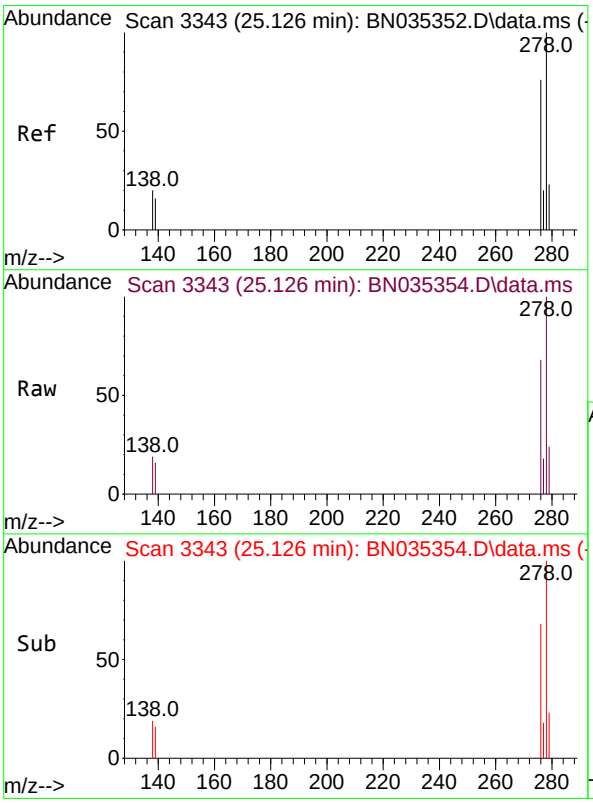
#39
Benzo(a)pyrene
Concen: 1.697 ng
RT: 22.977 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN035354.D
Acq: 27 Nov 2024 17:57

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:252 Resp: 52595

Ion	Ratio	Lower	Upper
252	100		
253	22.4	20.2	30.4
125	10.5	10.9	16.3#

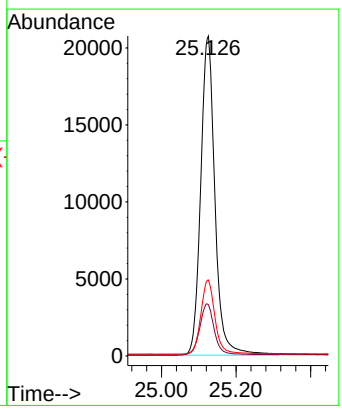


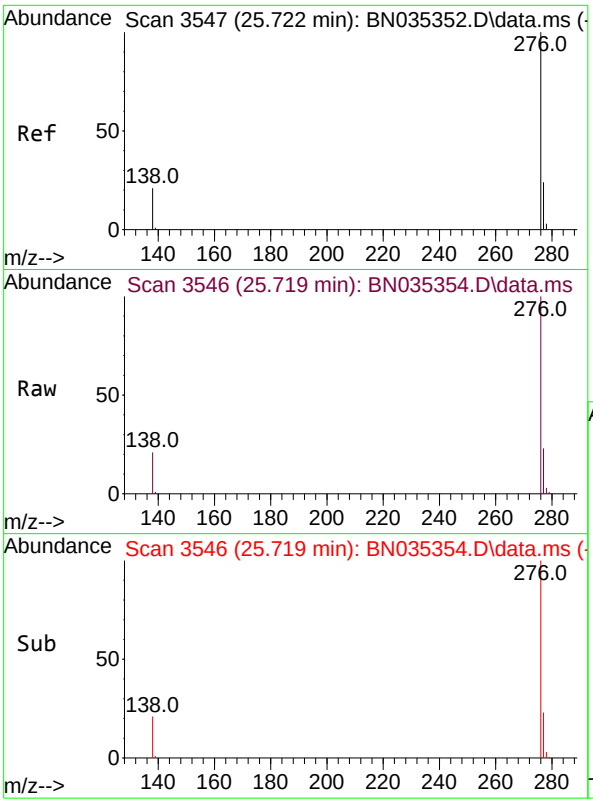


#40
Dibenzo(a,h)anthracene
Concen: 1.664 ng
RT: 25.126 min Scan# 3343
Delta R.T. 0.000 min
Lab File: BN035354.D
Acq: 27 Nov 2024 17:57

Tgt Ion:278 Resp: 55068

Ion	Ratio	Lower	Upper
278	100		
139	16.0	14.2	21.4
279	23.8	20.5	30.7



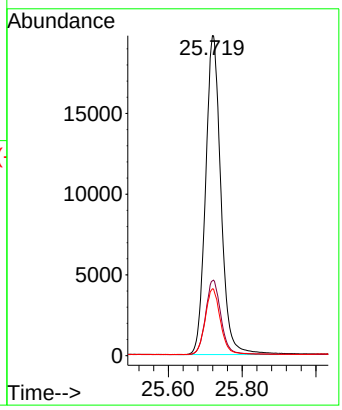


#41
Benzo(g,h,i)perylene
Concen: 1.618 ng
RT: 25.719 min Scan# 3
Delta R.T. -0.003 min
Lab File: BN035354.D
Acq: 27 Nov 2024 17:57

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:276 Resp: 56947

Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.9	29.9
138	20.9	17.8	26.8



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
Data File : BN035355.D
Acq On : 27 Nov 2024 18:33
Operator : RC/JU
Sample : SSTDICC3.2
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Quant Time: Nov 27 22:53:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 27 22:48:24 2024
Response via : Initial Calibration

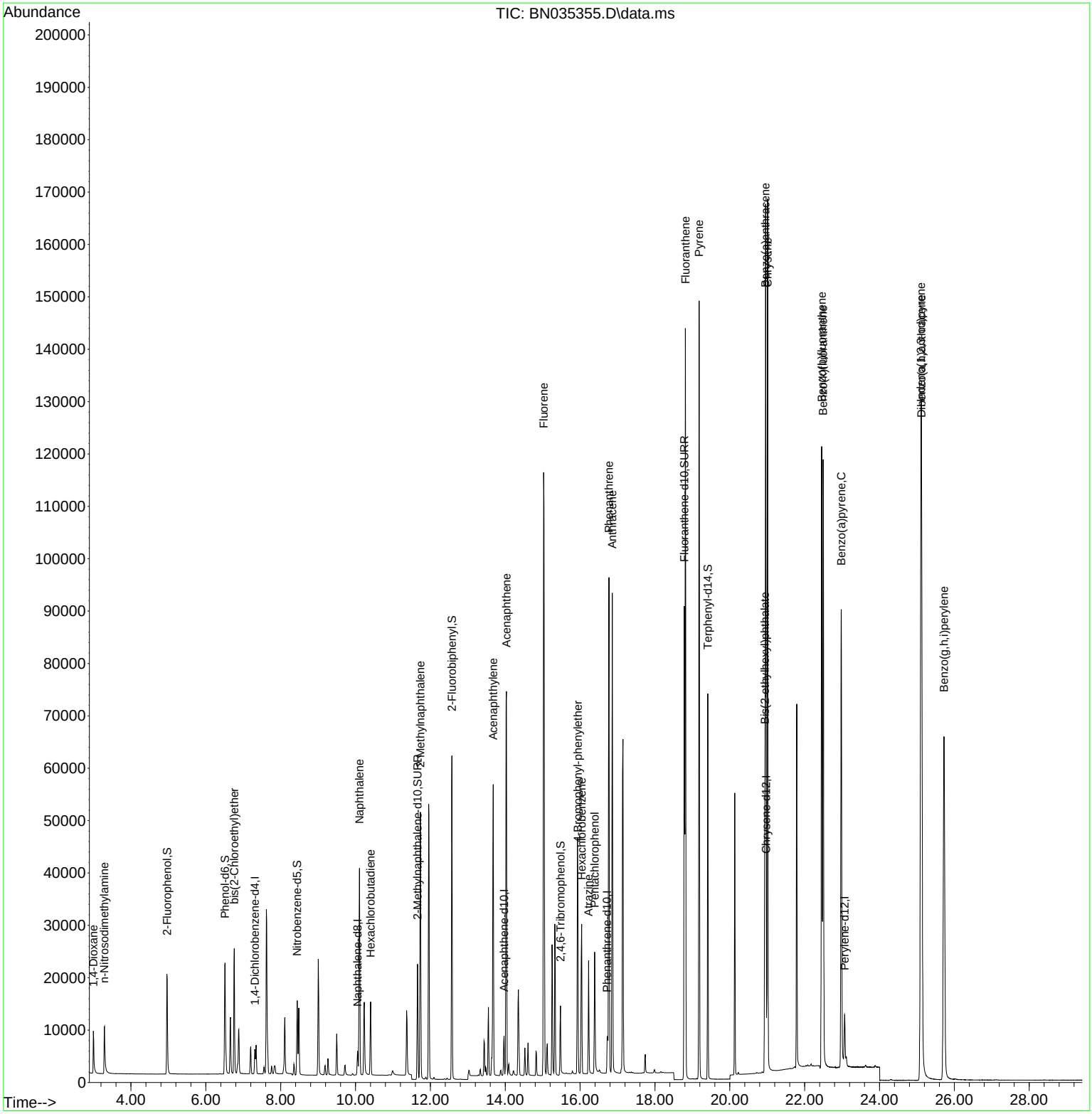
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.308	152	2226	0.400	ng		0.00
7) Naphthalene-d8	10.052	136	5857	0.400	ng		0.00
13) Acenaphthene-d10	13.967	164	4307	0.400	ng		0.00
19) Phenanthrene-d10	16.723	188	10513	0.400	ng		#-0.01
29) Chrysene-d12	20.974	240	11206	0.400	ng		0.00
35) Perylene-d12	23.067	264	11643	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	4.968	112	16991	3.007	ng		0.00
5) Phenol-d6	6.513	99	21633	3.053	ng		0.00
8) Nitrobenzene-d5	8.440	82	11759	2.307	ng		0.00
11) 2-Methylnaphthalene-d10	11.656	152	29957	2.870	ng		0.00
14) 2,4,6-Tribromophenol	15.475	330	10700	3.444	ng		0.00
15) 2-Fluorobiphenyl	12.574	172	52048	2.976	ng		0.00
27) Fluoranthene-d10	18.785	212	95675	2.971	ng		0.00
31) Terphenyl-d14	19.412	244	69164	2.941	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.996	88	6360	3.146	ng		99
3) n-Nitrosodimethylamine	3.285	42	5524	2.932	ng	#	95
6) bis(2-Chloroethyl)ether	6.759	93	17762	3.339	ng		99
9) Naphthalene	10.105	128	49151	3.214	ng		97
10) Hexachlorobutadiene	10.404	225	11039	2.463	ng	#	100
12) 2-Methylnaphthalene	11.732	142	36121	3.202	ng		98
16) Acenaphthylene	13.679	152	60734	3.300	ng		99
17) Acenaphthene	14.031	154	38676	3.206	ng		99
18) Fluorene	15.026	166	55613	3.134	ng		99
21) 4-Bromophenyl-phenylether	15.941	248	20321	3.034	ng	#	93
22) Hexachlorobenzene	16.040	284	23349	3.359	ng		99
23) Atrazine	16.227	200	15072	2.508	ng		96
24) Pentachlorophenol	16.388	266	11439	3.522	ng		86
25) Phenanthrene	16.773	178	94243	3.406	ng		100
26) Anthracene	16.860	178	87657	3.449	ng		99
28) Fluoranthene	18.812	202	125901	3.309	ng		100
30) Pyrene	19.179	202	129105	3.460	ng		100
32) Benzo(a)anthracene	20.956	228	126517	3.242	ng		99
33) Chrysene	21.009	228	127439	3.297	ng		99
34) Bis(2-ethylhexyl)phtha...	20.938	149	46251	2.259	ng		99
36) Indeno(1,2,3-cd)pyrene	25.108	276	150433	3.239	ng		99
37) Benzo(b)fluoranthene	22.456	252	136261	3.478	ng	#	94
38) Benzo(k)fluoranthene	22.494	252	134789	3.439	ng	#	93
39) Benzo(a)pyrene	22.980	252	114719	3.328	ng	#	93
40) Dibenzo(a,h)anthracene	25.123	278	119216	3.240	ng		96
41) Benzo(g,h,i)perylene	25.722	276	123841	3.164	ng		97

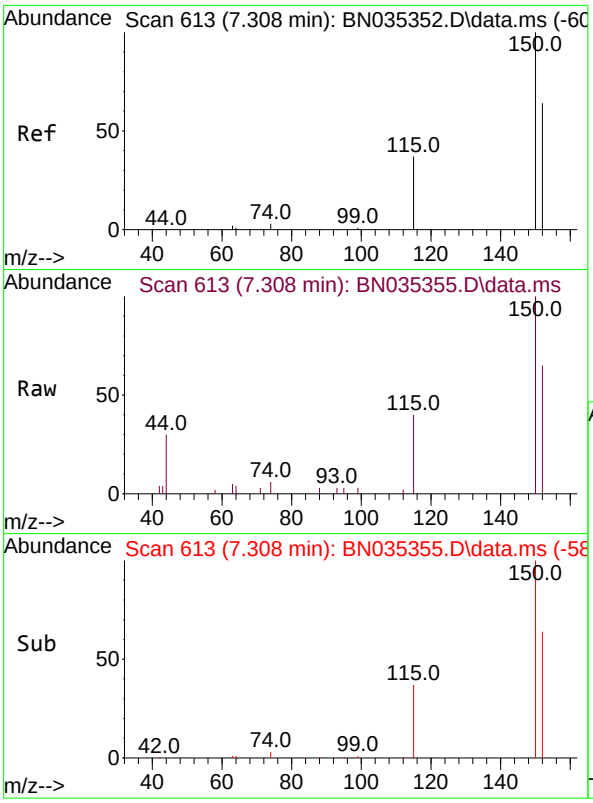
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
Data File : BN035355.D
Acq On : 27 Nov 2024 18:33
Operator : RC/JU
Sample : SSTDICC3.2
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Quant Time: Nov 27 22:53:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 27 22:48:24 2024
Response via : Initial Calibration



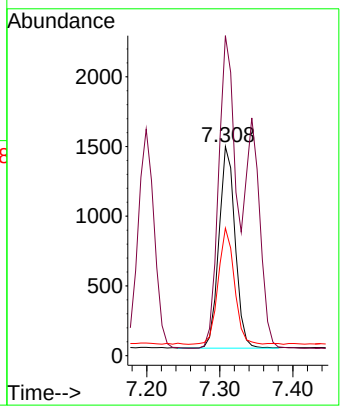


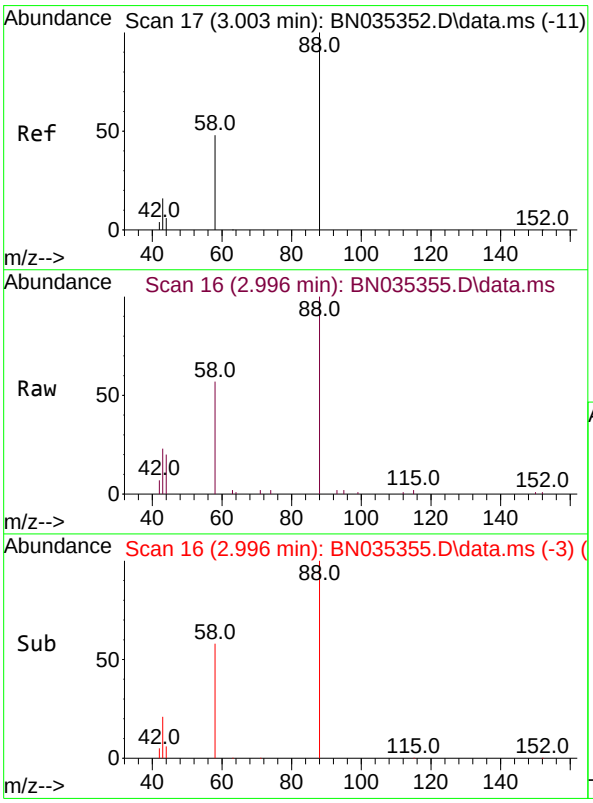
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.308 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN035355.D
Acq: 27 Nov 2024 18:33

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:152 Resp: 2226

Ion	Ratio	Lower	Upper
152	100		
150	153.0	124.0	186.0
115	61.0	49.6	74.4

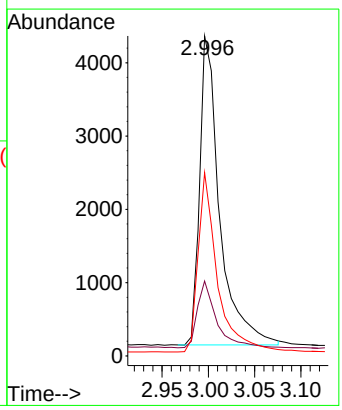


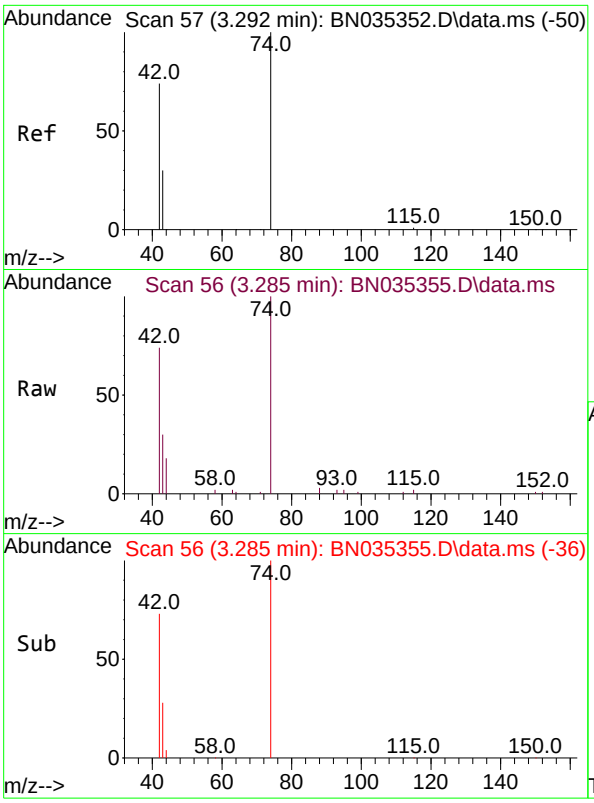


#2
1,4-Dioxane
Concen: 3.146 ng
RT: 2.996 min Scan# 16
Delta R.T. -0.007 min
Lab File: BN035355.D
Acq: 27 Nov 2024 18:33

Tgt Ion: 88 Resp: 6360

Ion	Ratio	Lower	Upper
88	100		
43	20.6	17.2	25.8
58	55.4	44.5	66.7



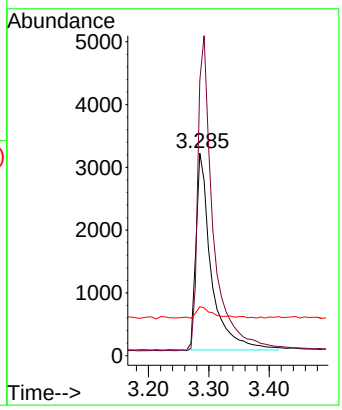


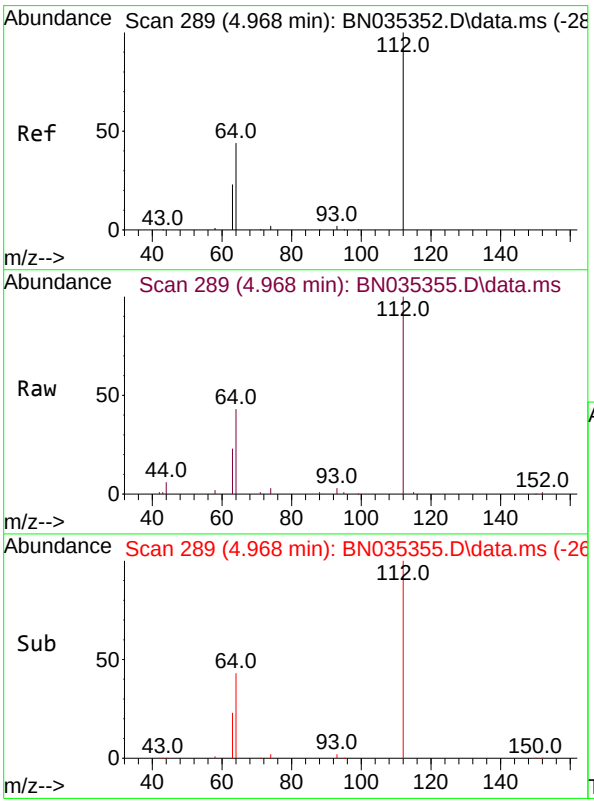
#3
n-Nitrosodimethylamine
Concen: 2.932 ng
RT: 3.285 min Scan# 5
Delta R.T. -0.007 min
Lab File: BN035355.D
Acq: 27 Nov 2024 18:33

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion: 42 Resp: 5524

Ion	Ratio	Lower	Upper
42	100		
74	162.0	124.9	187.3
44	6.4	2.2	3.4#

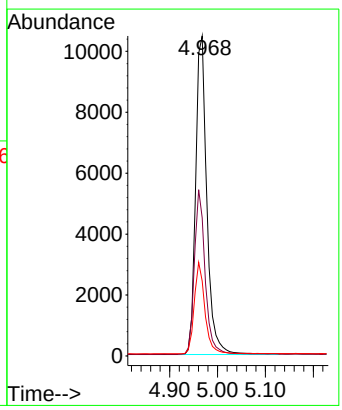


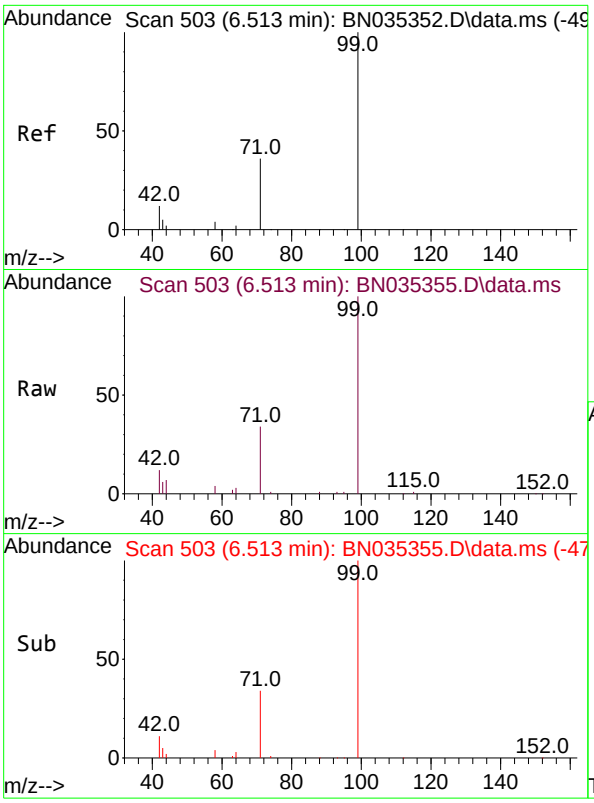


#4
2-Fluorophenol
Concen: 3.007 ng
RT: 4.968 min Scan# 289
Delta R.T. -0.000 min
Lab File: BN035355.D
Acq: 27 Nov 2024 18:33

Tgt Ion:112 Resp: 16991

Ion	Ratio	Lower	Upper
112	100		
64	49.7	39.8	59.8
63	27.1	21.0	31.6



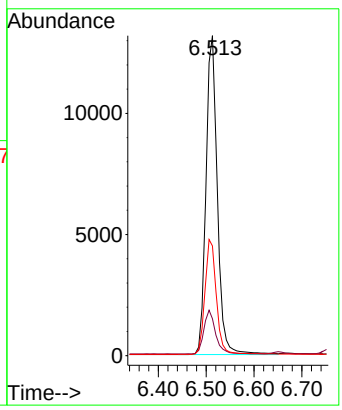


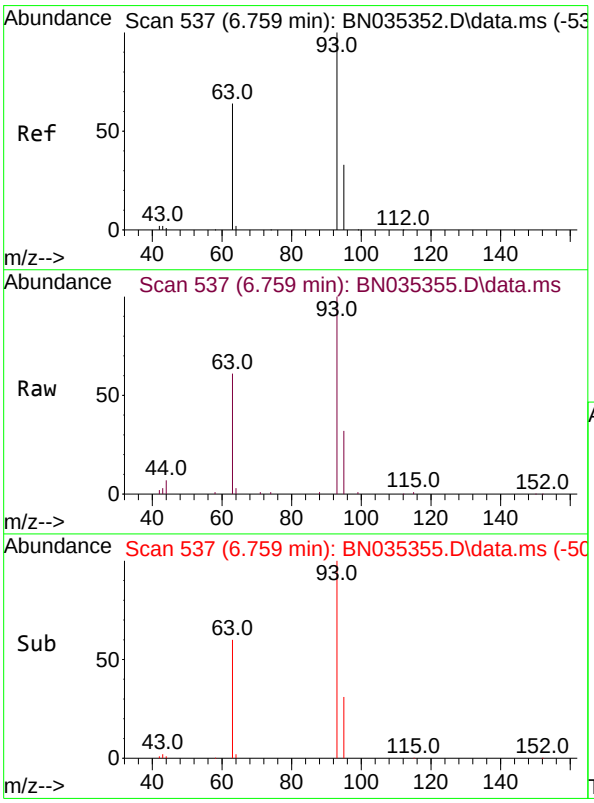
#5
Phenol-d6
Concen: 3.053 ng
RT: 6.513 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN035355.D
Acq: 27 Nov 2024 18:33

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion: 99 Resp: 21633

Ion	Ratio	Lower	Upper
99	100		
42	14.1	11.4	17.2
71	36.5	29.3	43.9

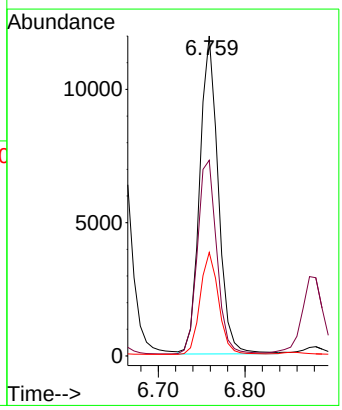


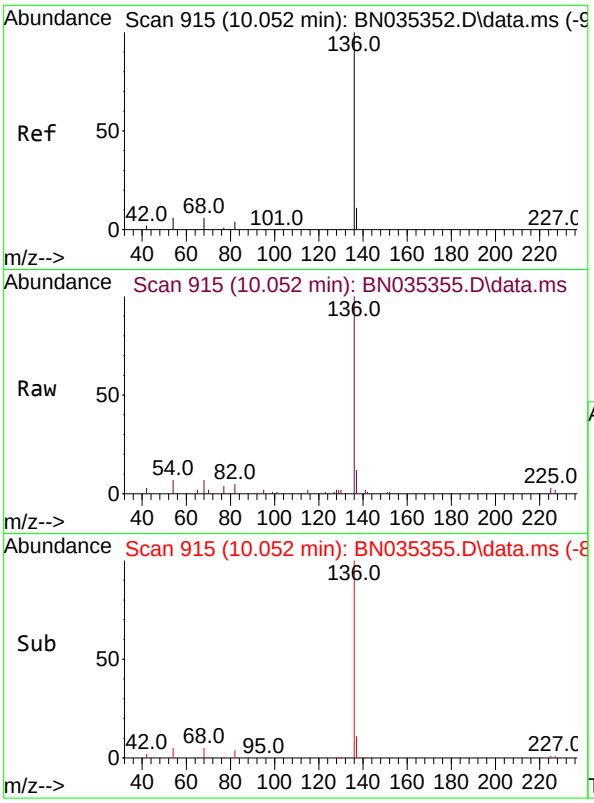


#6
bis(2-Chloroethyl)ether
Concen: 3.339 ng
RT: 6.759 min Scan# 537
Delta R.T. -0.000 min
Lab File: BN035355.D
Acq: 27 Nov 2024 18:33

Tgt Ion: 93 Resp: 17762

Ion	Ratio	Lower	Upper
93	100		
63	63.6	50.4	75.6
95	32.0	25.7	38.5



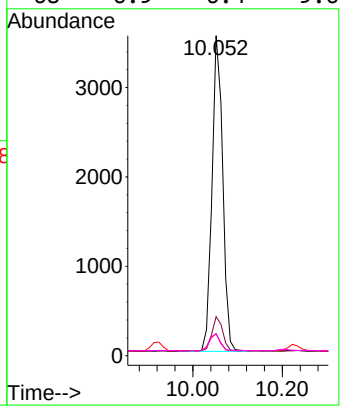


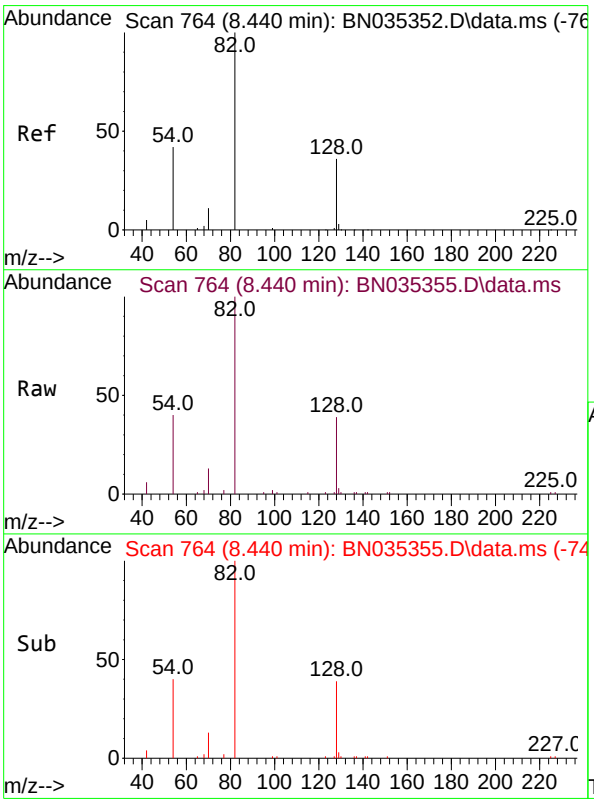
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.052 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN035355.D
Acq: 27 Nov 2024 18:33

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:136 Resp: 5857

Ion	Ratio	Lower	Upper
136	100		
137	12.2	10.2	15.2
54	6.9	6.1	9.1
68	6.9	6.4	9.6

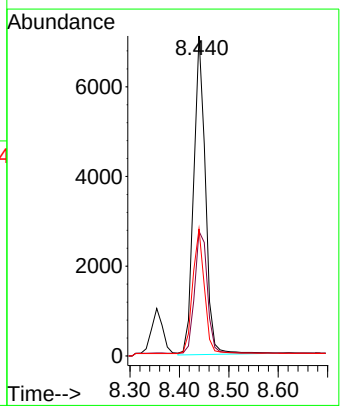


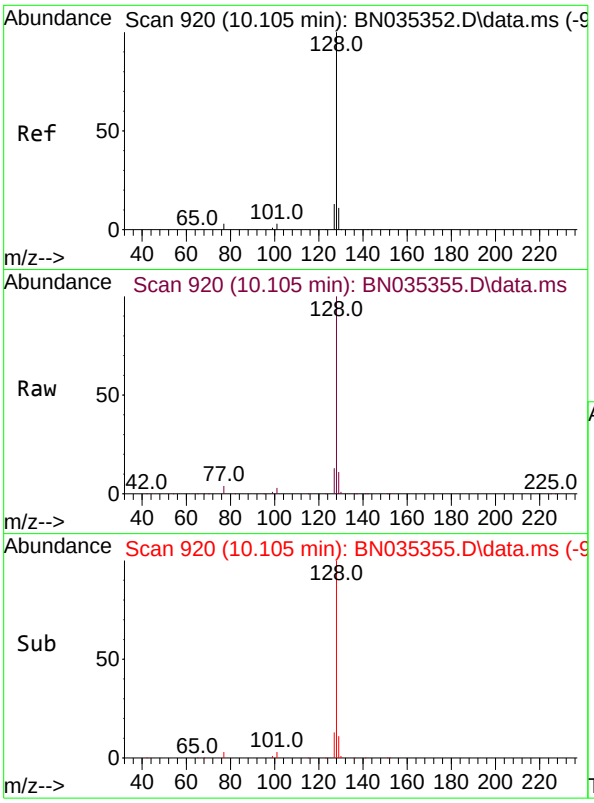


#8
Nitrobenzene-d5
Concen: 2.307 ng
RT: 8.440 min Scan# 764
Delta R.T. -0.000 min
Lab File: BN035355.D
Acq: 27 Nov 2024 18:33

Tgt Ion: 82 Resp: 11759

Ion	Ratio	Lower	Upper
82	100		
128	39.0	33.4	50.0
54	39.7	36.7	55.1



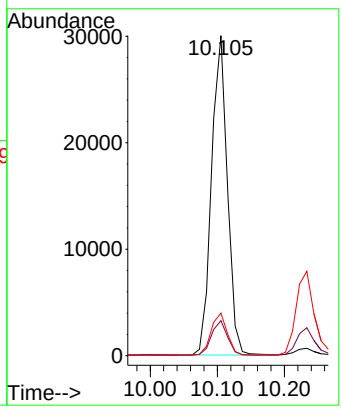


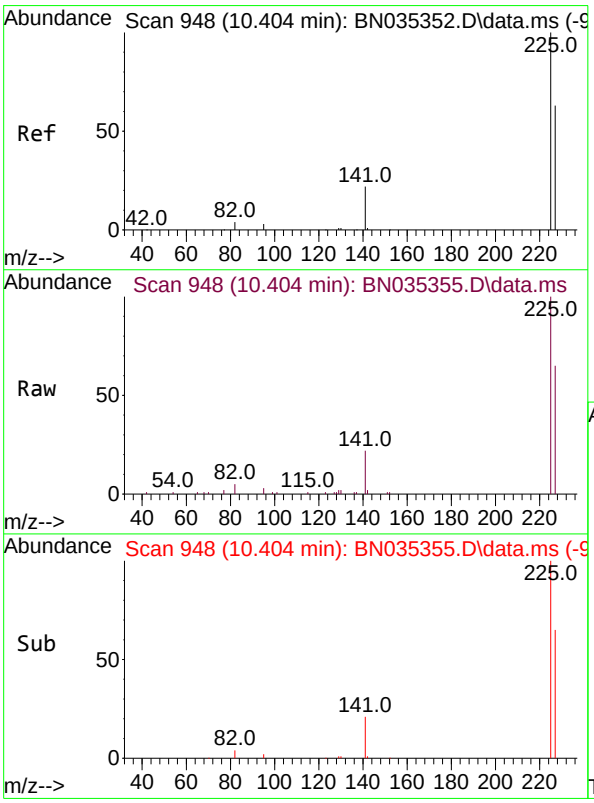
#9
Naphthalene
Concen: 3.214 ng
RT: 10.105 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN035355.D
Acq: 27 Nov 2024 18:33

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:128 Resp: 49151

Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.8	14.6
127	13.3	11.4	17.2

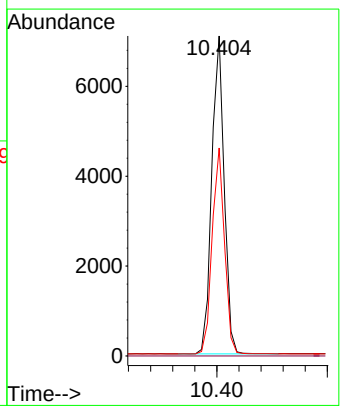


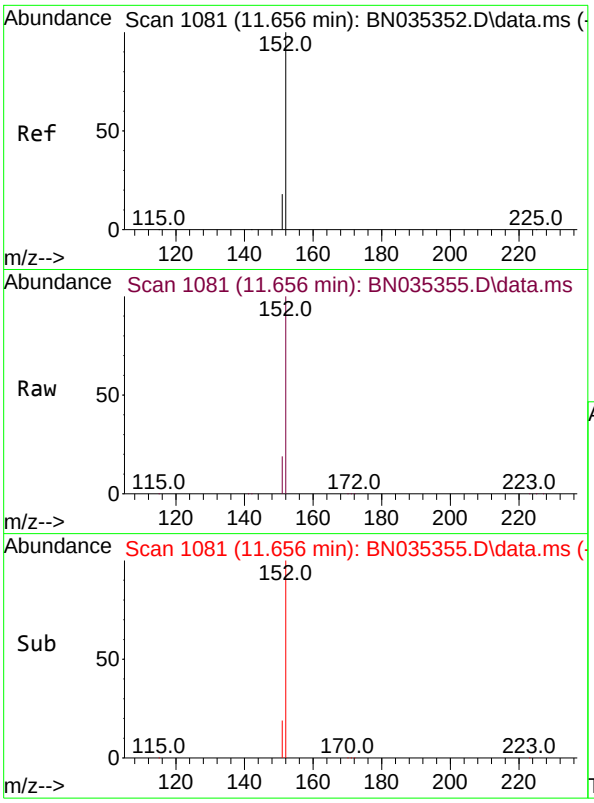


#10
Hexachlorobutadiene
Concen: 2.463 ng
RT: 10.404 min Scan# 948
Delta R.T. -0.000 min
Lab File: BN035355.D
Acq: 27 Nov 2024 18:33

Tgt Ion:225 Resp: 11039

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.4	51.3	76.9



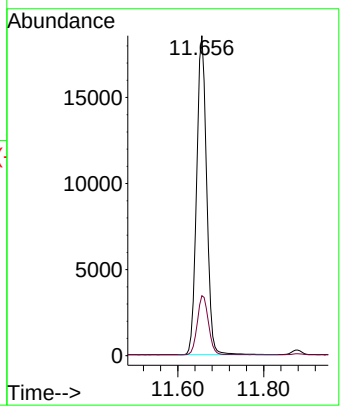


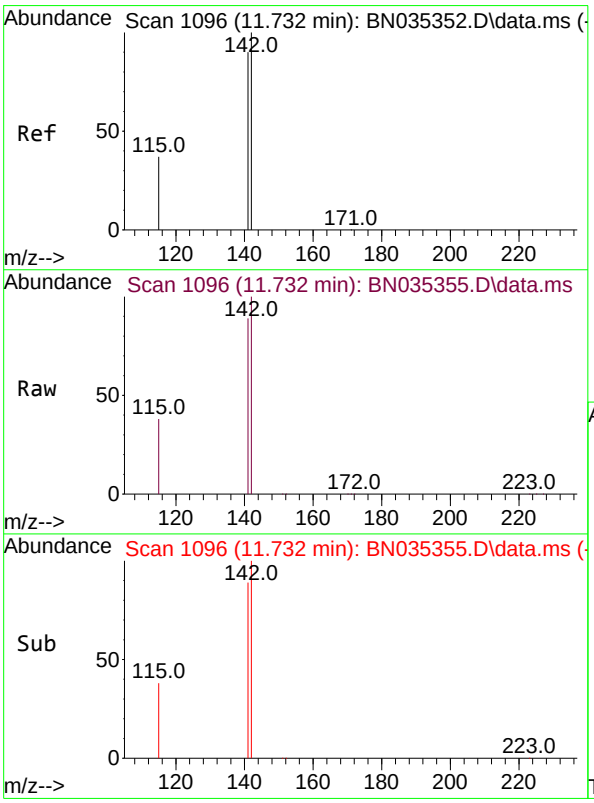
#11
2-Methylnaphthalene-d10
Concen: 2.870 ng
RT: 11.656 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035355.D
Acq: 27 Nov 2024 18:33

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:152 Resp: 29957

Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.6	25.0

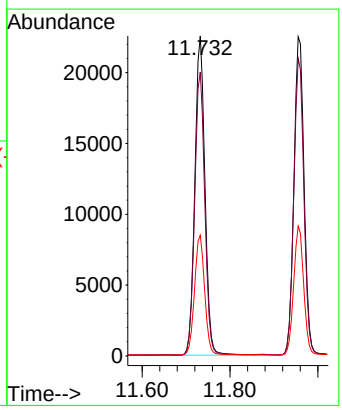


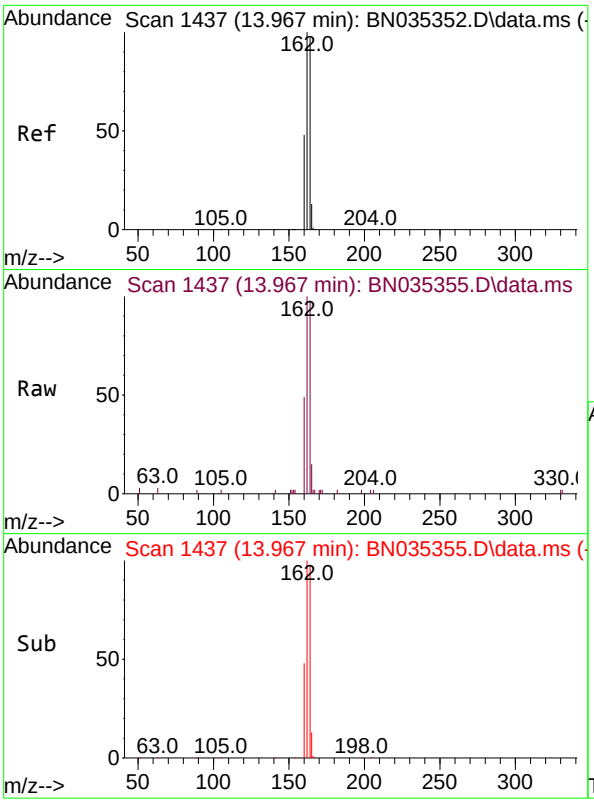


#12
2-Methylnaphthalene
Concen: 3.202 ng
RT: 11.732 min Scan# 1096
Delta R.T. -0.000 min
Lab File: BN035355.D
Acq: 27 Nov 2024 18:33

Tgt Ion:142 Resp: 36121

Ion	Ratio	Lower	Upper
142	100		
141	88.7	72.2	108.4
115	37.7	31.4	47.0



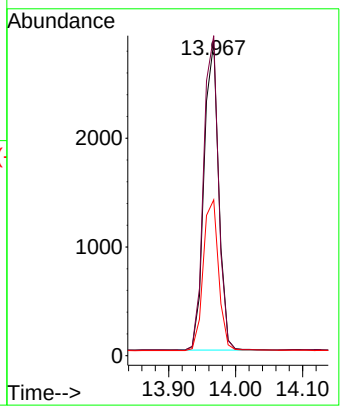


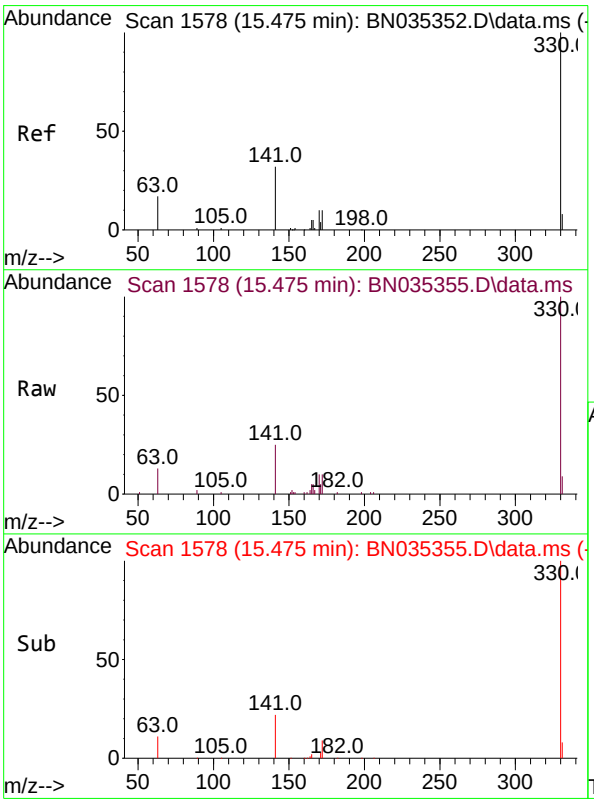
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.967 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035355.D
Acq: 27 Nov 2024 18:33

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:164 Resp: 4307

Ion	Ratio	Lower	Upper
164	100		
162	102.0	82.2	123.2
160	49.7	40.1	60.1

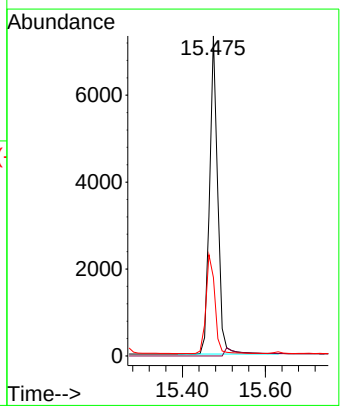


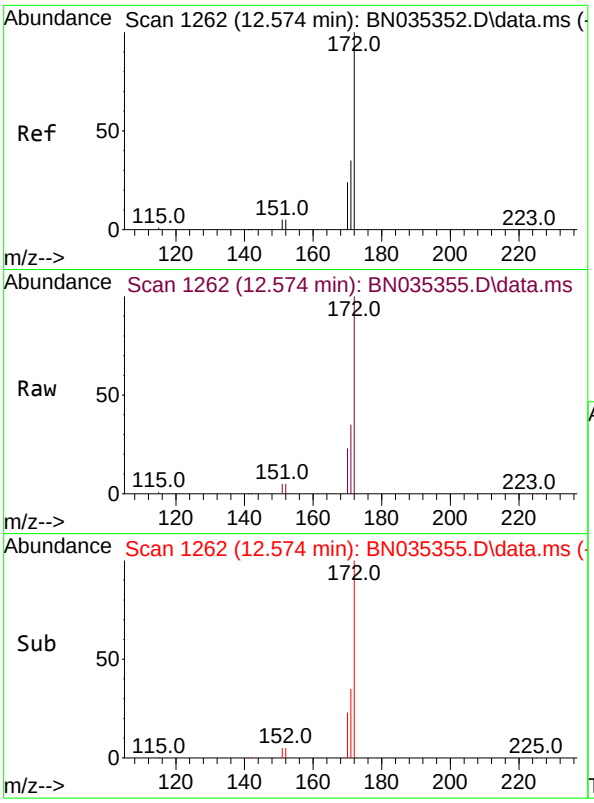


#14
2,4,6-Tribromophenol
Concen: 3.444 ng
RT: 15.475 min Scan# 1578
Delta R.T. -0.000 min
Lab File: BN035355.D
Acq: 27 Nov 2024 18:33

Tgt Ion:330 Resp: 10700

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	33.7	26.6	40.0



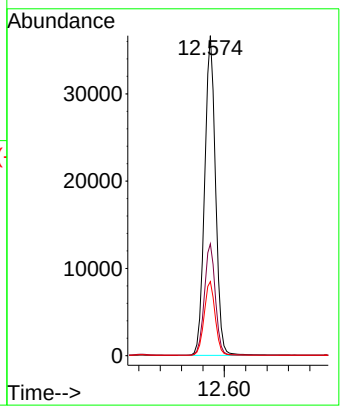


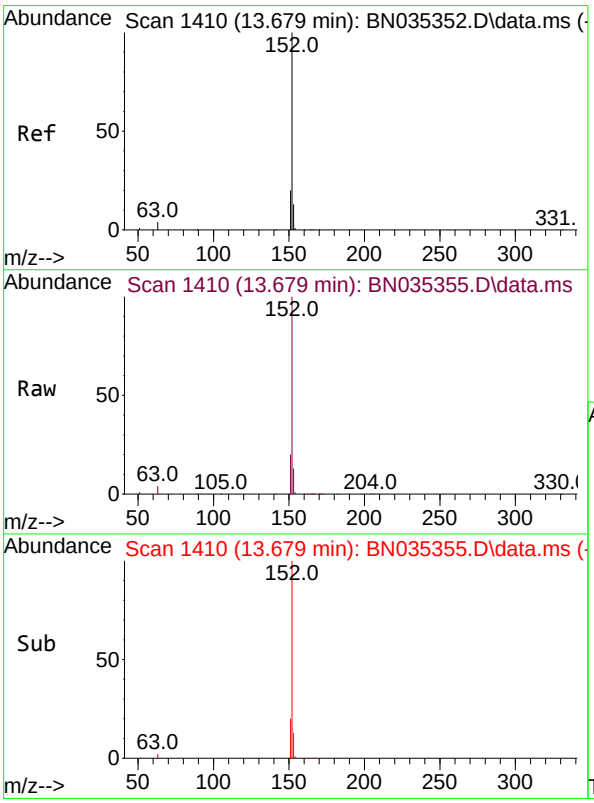
#15
2-Fluorobiphenyl
Concen: 2.976 ng
RT: 12.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035355.D
Acq: 27 Nov 2024 18:33

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:172 Resp: 52048

Ion	Ratio	Lower	Upper
172	100		
171	35.0	29.0	43.4
170	23.1	19.8	29.8

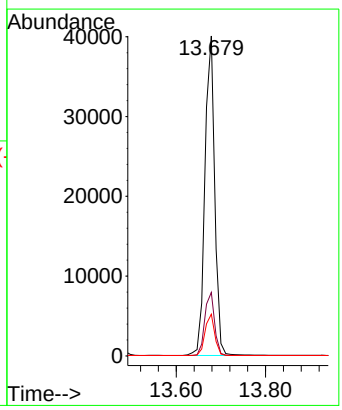


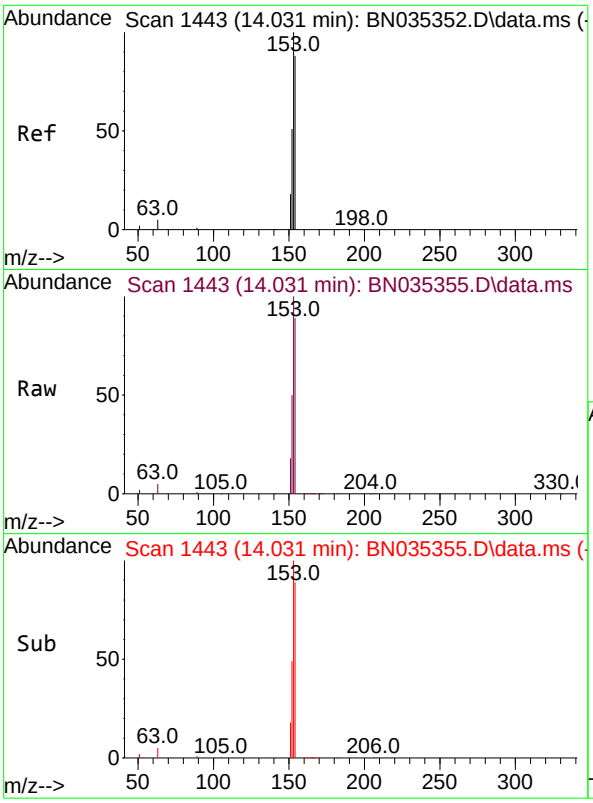


#16
Acenaphthylene
Concen: 3.300 ng
RT: 13.679 min Scan# 1410
Delta R.T. -0.000 min
Lab File: BN035355.D
Acq: 27 Nov 2024 18:33

Tgt Ion:152 Resp: 60734

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.2	24.2
153	12.9	10.4	15.6



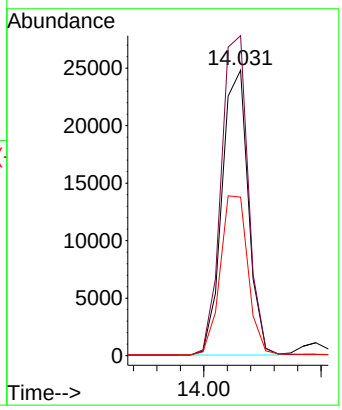


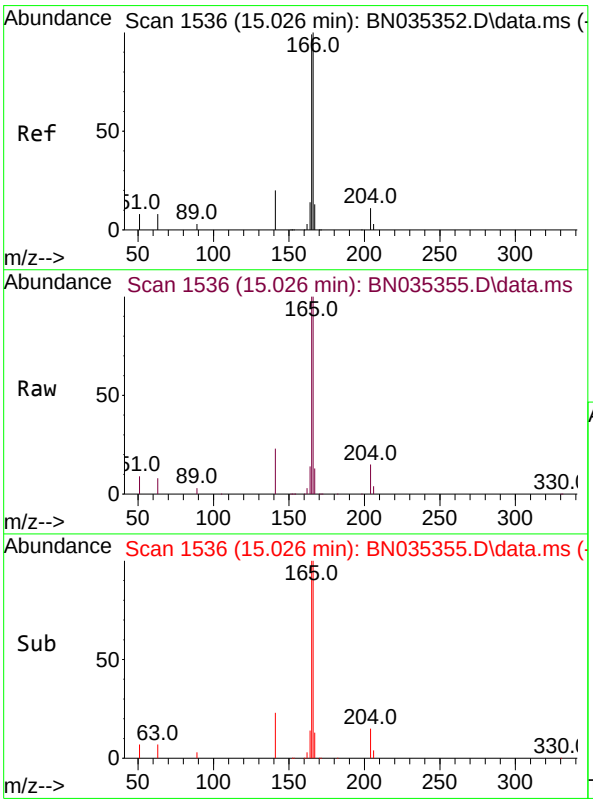
#17
Acenaphthene
Concen: 3.206 ng
RT: 14.031 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035355.D
Acq: 27 Nov 2024 18:33

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:154 Resp: 38676

Ion	Ratio	Lower	Upper
154	100		
153	115.5	92.6	139.0
152	59.2	49.0	73.6

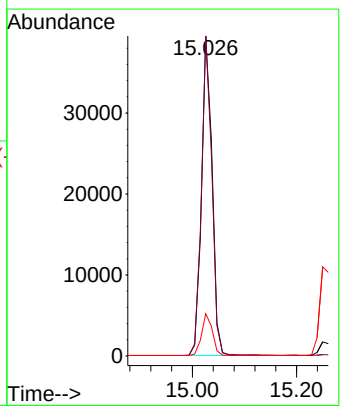


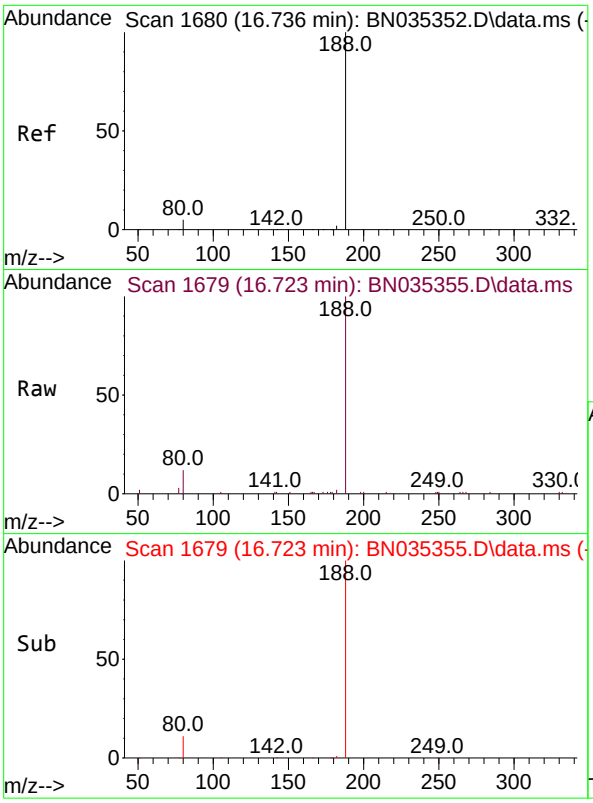


#18
Fluorene
Concen: 3.134 ng
RT: 15.026 min Scan# 1536
Delta R.T. -0.000 min
Lab File: BN035355.D
Acq: 27 Nov 2024 18:33

Tgt Ion:166 Resp: 55613

Ion	Ratio	Lower	Upper
166	100		
165	98.5	79.7	119.5
167	13.3	10.8	16.2



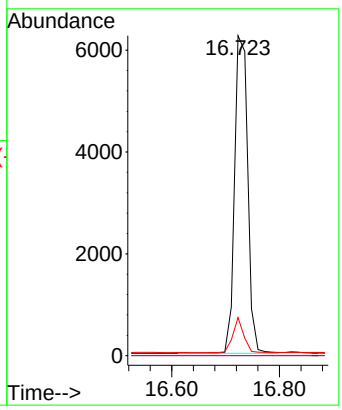


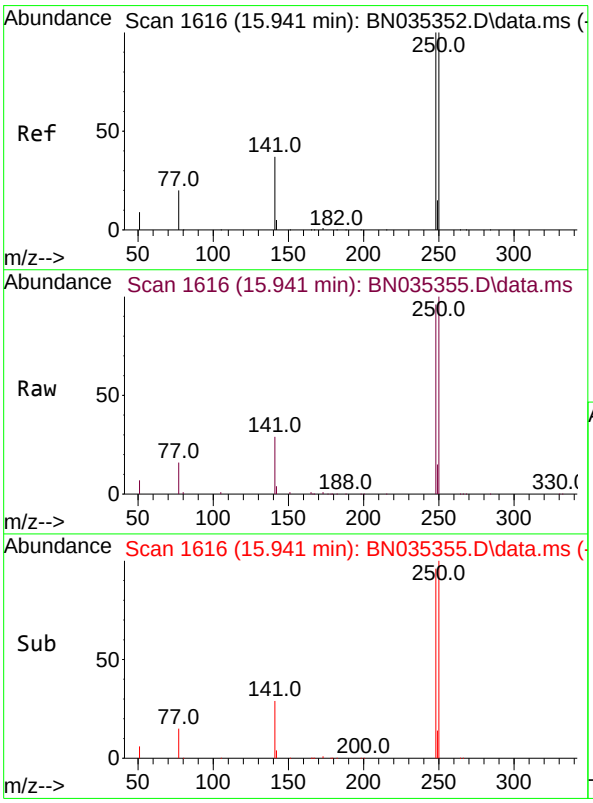
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.723 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN035355.D
Acq: 27 Nov 2024 18:33

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:188 Resp: 10513

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.9	4.6	6.8#

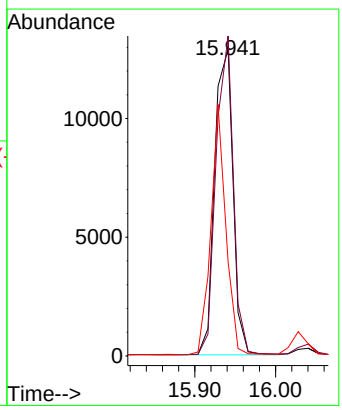


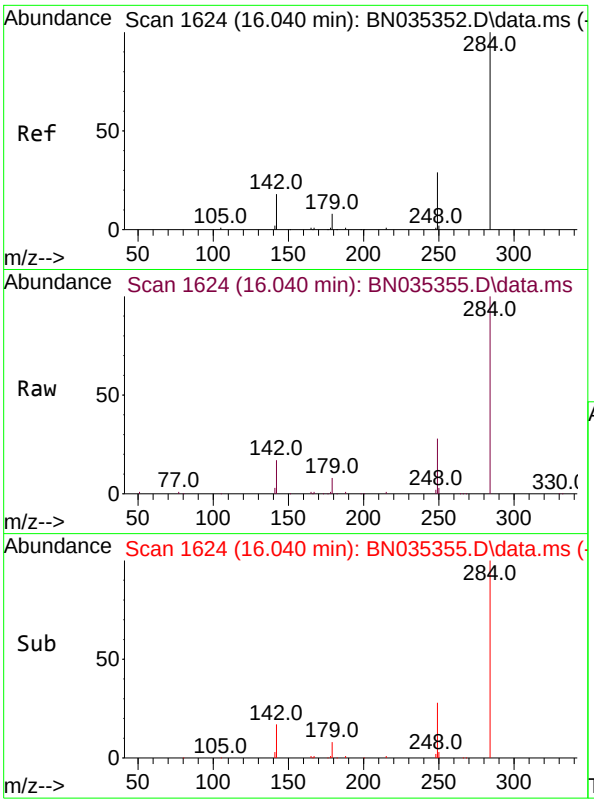


#21
4-Bromophenyl-phenylether
Concen: 3.034 ng
RT: 15.941 min Scan# 1616
Delta R.T. -0.000 min
Lab File: BN035355.D
Acq: 27 Nov 2024 18:33

Tgt Ion:248 Resp: 20321

Ion	Ratio	Lower	Upper
248	100		
250	104.3	80.6	120.8
141	30.7	31.5	47.3#



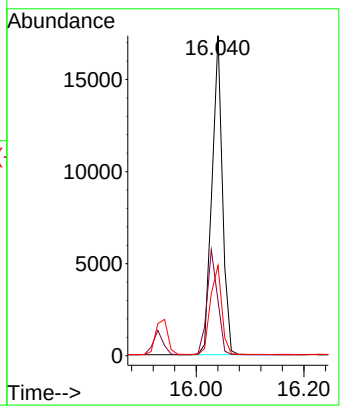


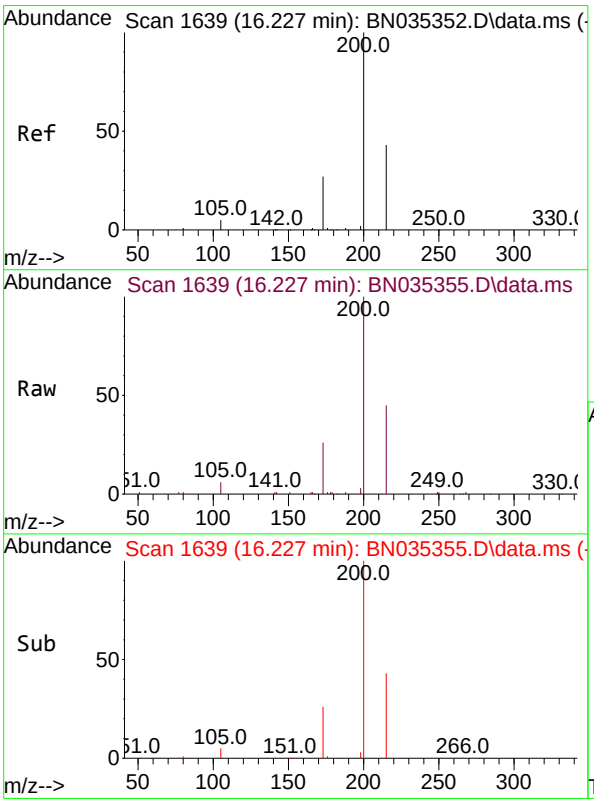
#22
Hexachlorobenzene
Concen: 3.359 ng
RT: 16.040 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035355.D
Acq: 27 Nov 2024 18:33

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:284 Resp: 23349

Ion	Ratio	Lower	Upper
284	100		
142	33.3	26.7	40.1
249	30.2	24.6	36.8

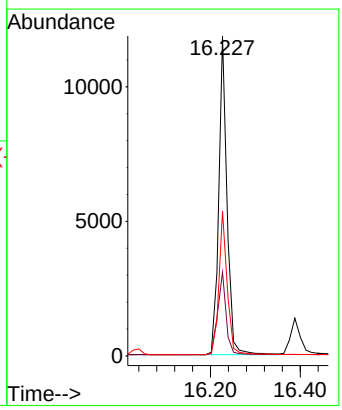


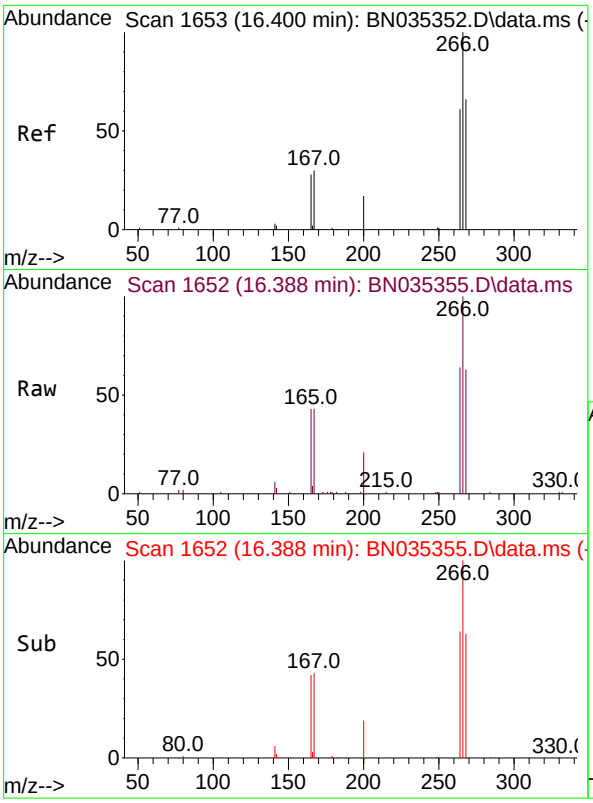


#23
Atrazine
Concen: 2.508 ng
RT: 16.227 min Scan# 1639
Delta R.T. -0.000 min
Lab File: BN035355.D
Acq: 27 Nov 2024 18:33

Tgt Ion:200 Resp: 15072

Ion	Ratio	Lower	Upper
200	100		
173	26.2	24.1	36.1
215	45.1	36.9	55.3



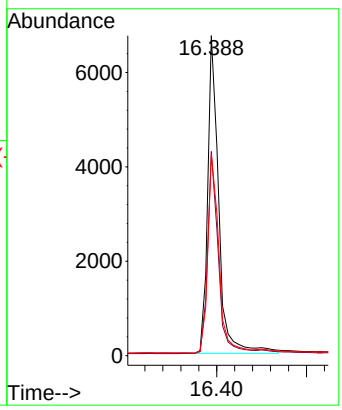


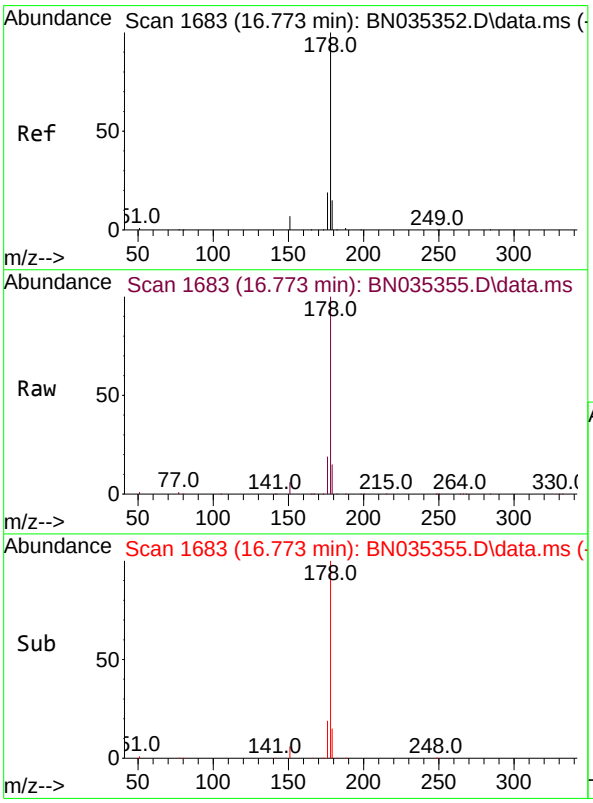
#24
Pentachlorophenol
Concen: 3.522 ng
RT: 16.388 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN035355.D
Acq: 27 Nov 2024 18:33

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:266 Resp: 11439

Ion	Ratio	Lower	Upper
266	100		
264	62.6	42.3	63.5
268	64.4	43.3	64.9

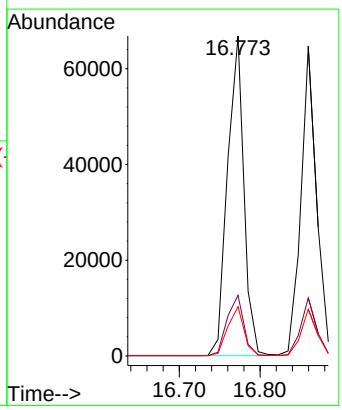


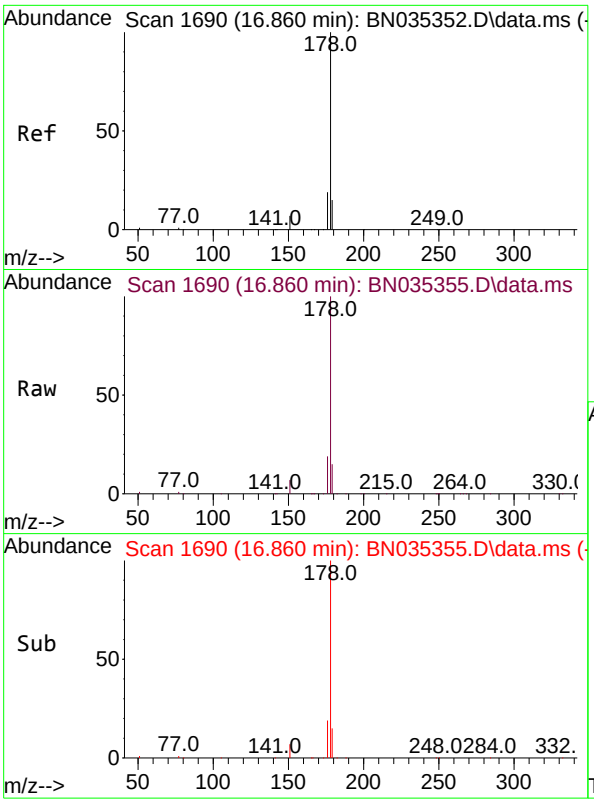


#25
Phenanthrene
Concen: 3.406 ng
RT: 16.773 min Scan# 1683
Delta R.T. -0.000 min
Lab File: BN035355.D
Acq: 27 Nov 2024 18:33

Tgt Ion:178 Resp: 94243

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.3	12.3	18.5



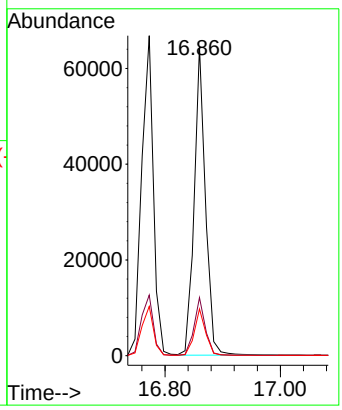


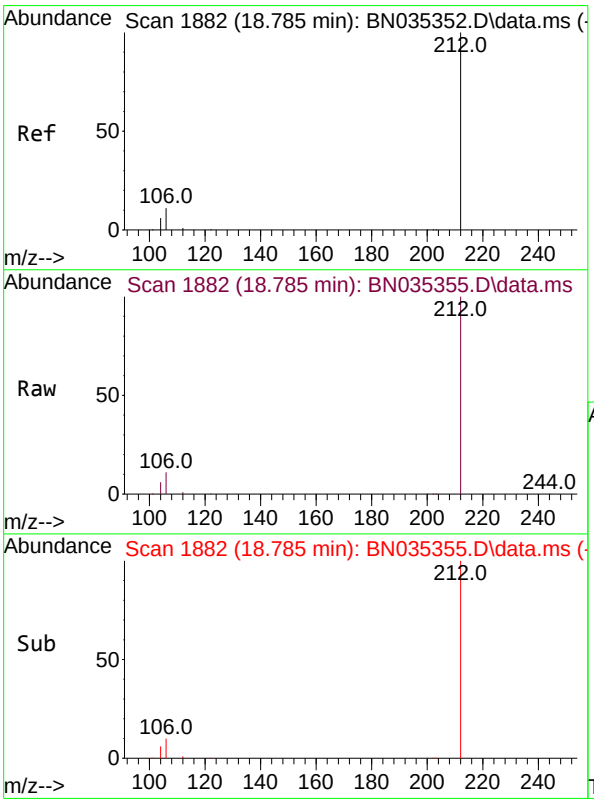
#26
Anthracene
Concen: 3.449 ng
RT: 16.860 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN035355.D
Acq: 27 Nov 2024 18:33

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:178 Resp: 87657

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.0	22.6
179	15.1	12.6	18.8

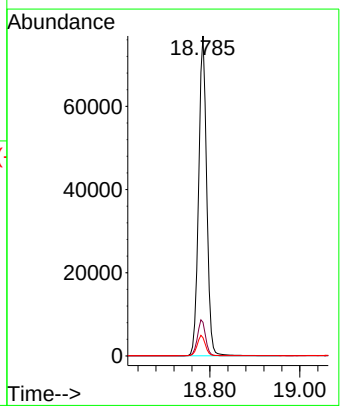


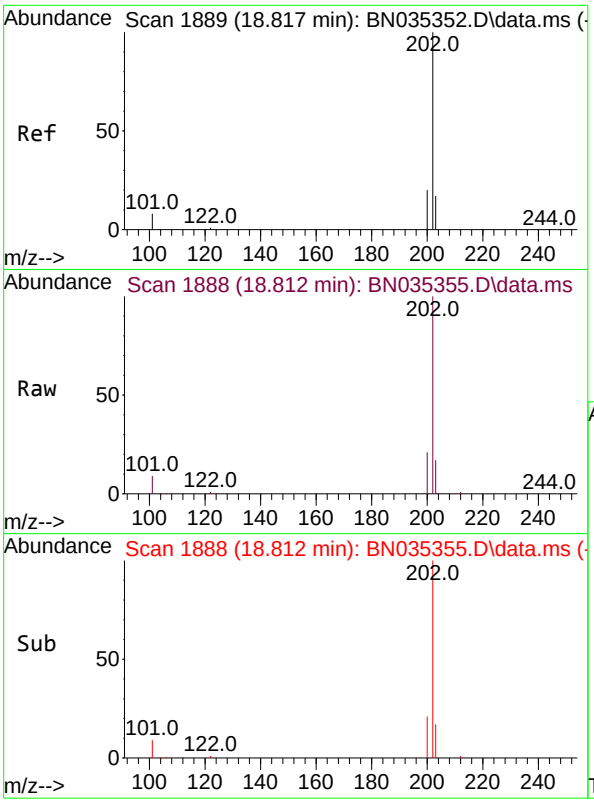


#27
Fluoranthene-d10
Concen: 2.971 ng
RT: 18.785 min Scan# 1882
Delta R.T. -0.000 min
Lab File: BN035355.D
Acq: 27 Nov 2024 18:33

Tgt Ion:212 Resp: 95675

Ion	Ratio	Lower	Upper
212	100		
106	11.4	9.2	13.8
104	6.4	5.3	7.9



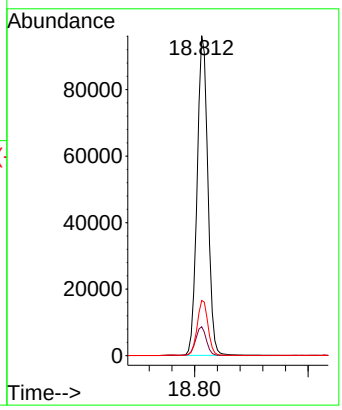


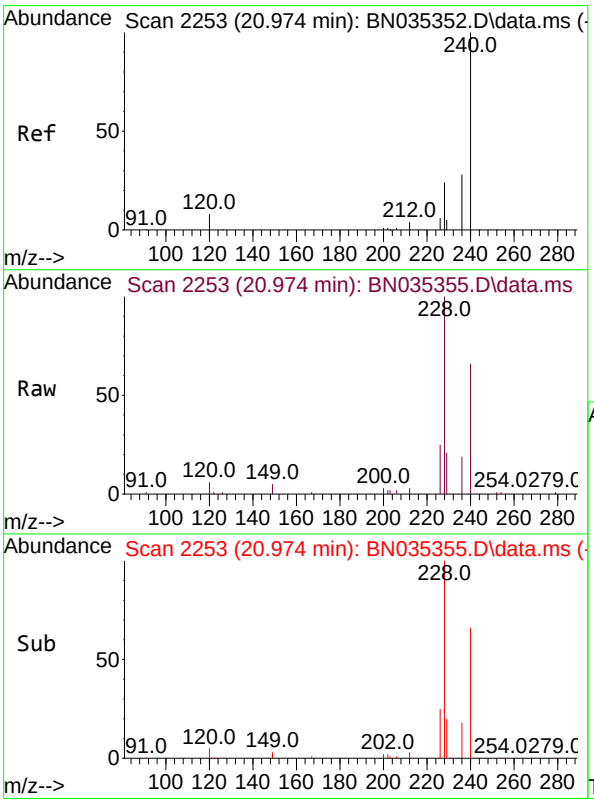
#28
Fluoranthene
Concen: 3.309 ng
RT: 18.812 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN035355.D
Acq: 27 Nov 2024 18:33

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:202 Resp: 125901

Ion	Ratio	Lower	Upper
202	100		
101	9.1	7.4	11.0
203	17.3	13.7	20.5

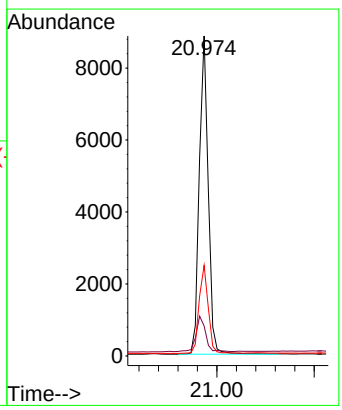


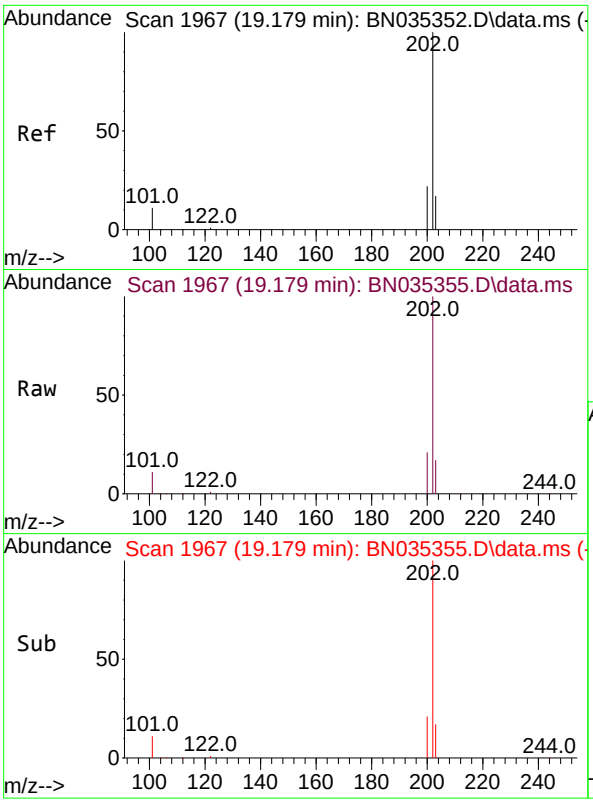


#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.974 min Scan# 2253
Delta R.T. -0.000 min
Lab File: BN035355.D
Acq: 27 Nov 2024 18:33

Tgt Ion:240 Resp: 11206

Ion	Ratio	Lower	Upper
240	100		
120	9.3	7.9	11.9
236	28.3	22.9	34.3



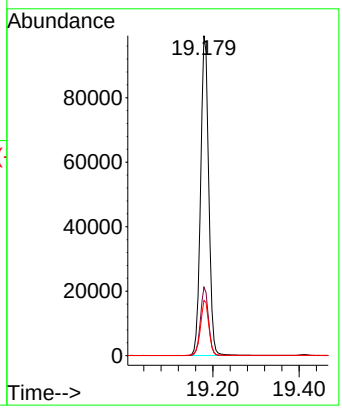


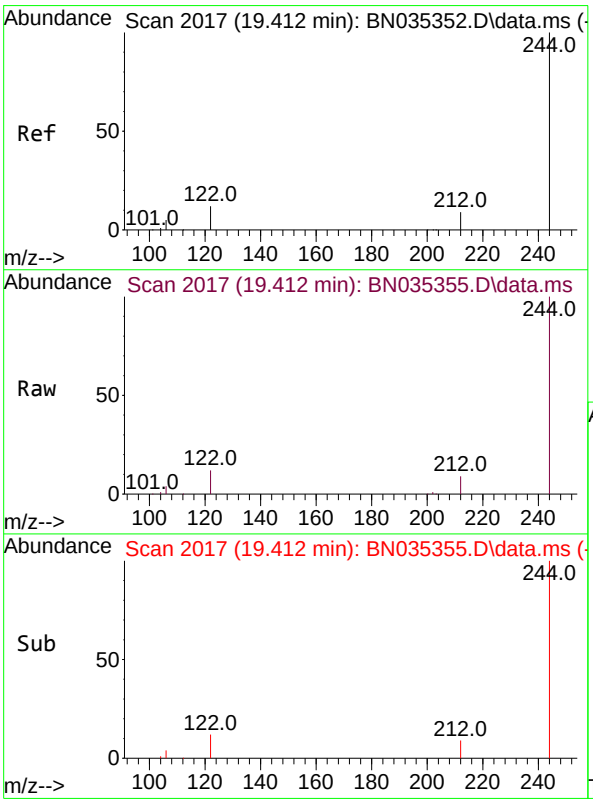
#30
Pyrene
Concen: 3.460 ng
RT: 19.179 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035355.D
Acq: 27 Nov 2024 18:33

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:202 Resp: 129105

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.4
203	17.7	14.3	21.5

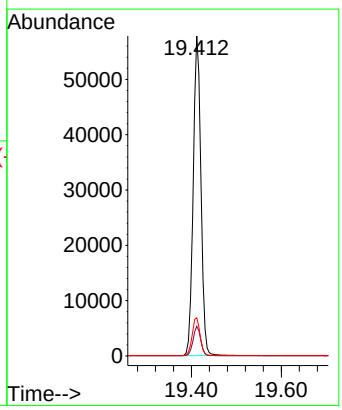


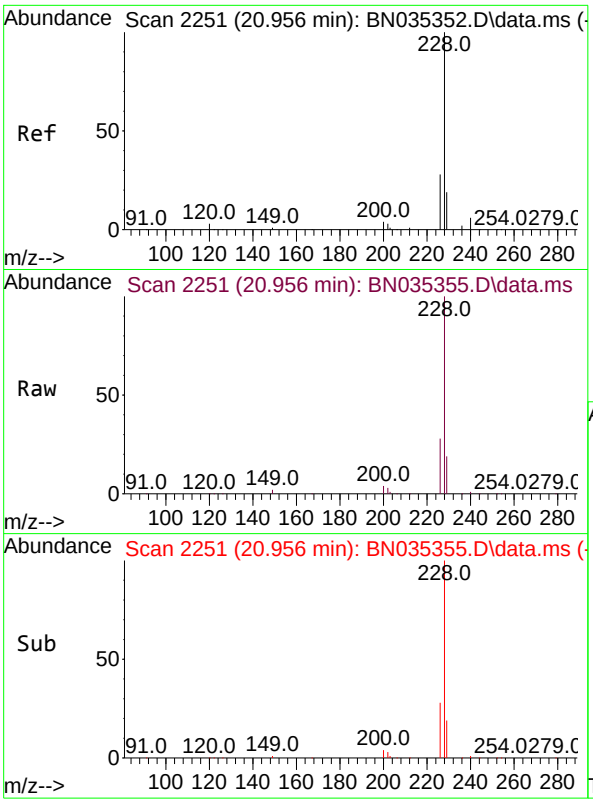


#31
Terphenyl-d14
Concen: 2.941 ng
RT: 19.412 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BN035355.D
Acq: 27 Nov 2024 18:33

Tgt Ion:244 Resp: 69164

Ion	Ratio	Lower	Upper
244	100		
212	9.2	8.1	12.1
122	12.0	10.3	15.5



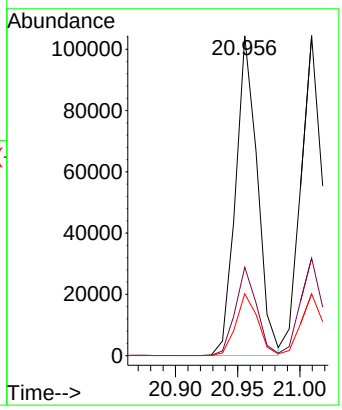


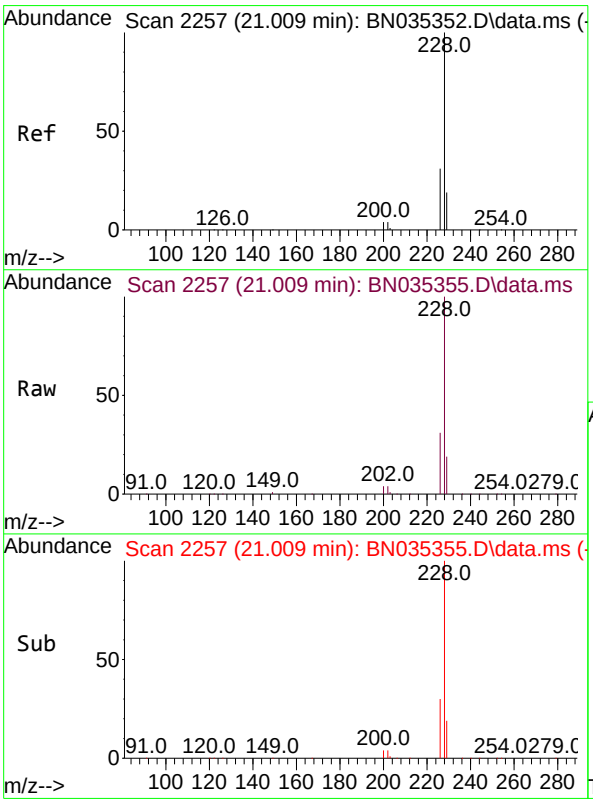
#32
Benzo(a)anthracene
Concen: 3.242 ng
RT: 20.956 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035355.D
Acq: 27 Nov 2024 18:33

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:228 Resp: 126517

Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.5	33.7
229	19.4	15.8	23.8

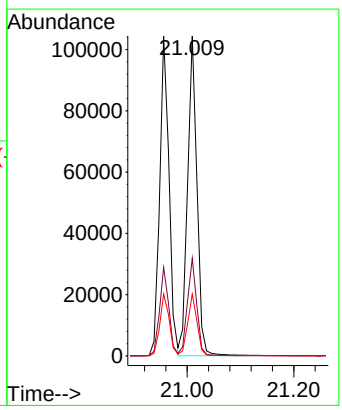


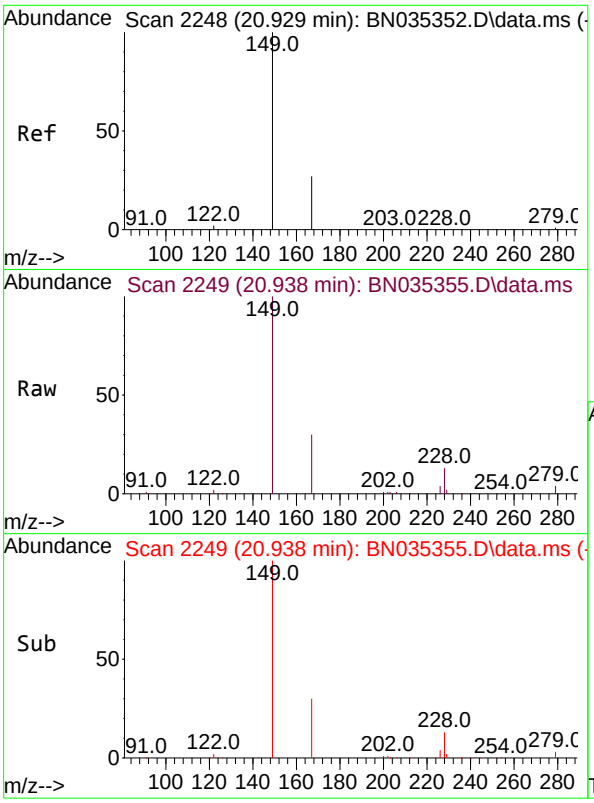


#33
Chrysene
Concen: 3.297 ng
RT: 21.009 min Scan# 2257
Delta R.T. -0.000 min
Lab File: BN035355.D
Acq: 27 Nov 2024 18:33

Tgt Ion:228 Resp: 127439

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.6	37.0
229	19.4	15.9	23.9



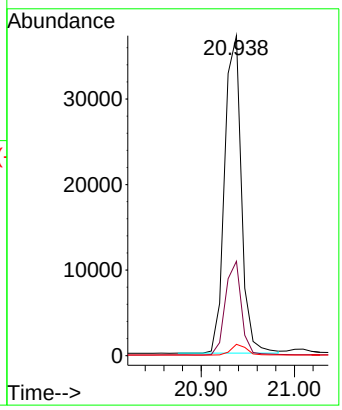


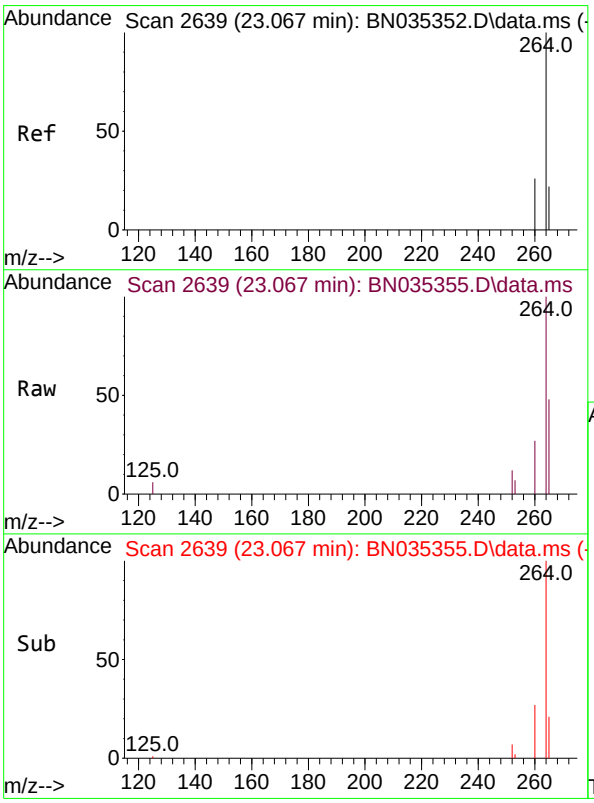
#34
Bis(2-ethylhexyl)phthalate
Concen: 2.259 ng
RT: 20.938 min Scan# 2
Delta R.T. 0.009 min
Lab File: BN035355.D
Acq: 27 Nov 2024 18:33

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:149 Resp: 46251

Ion	Ratio	Lower	Upper
149	100		
167	28.3	22.2	33.4
279	3.2	2.7	4.1

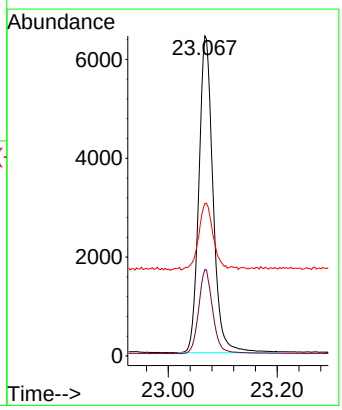


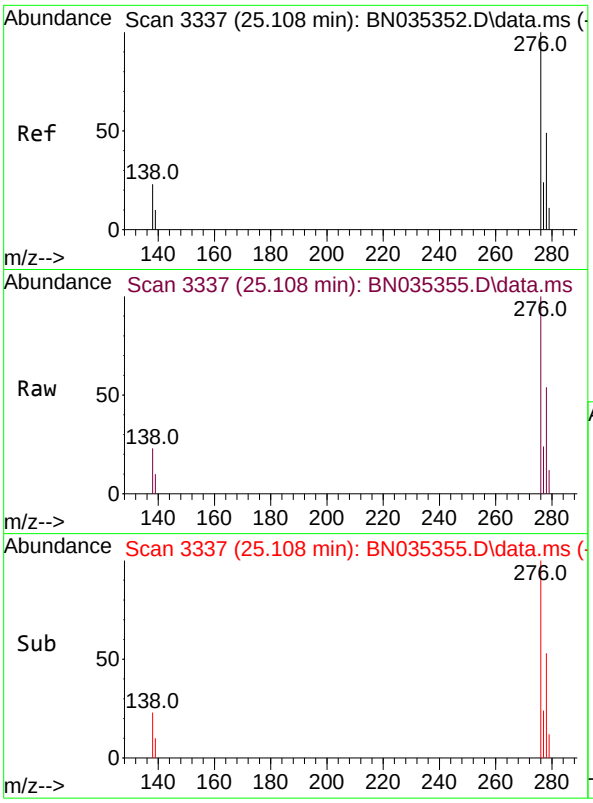


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.067 min Scan# 2639
Delta R.T. -0.000 min
Lab File: BN035355.D
Acq: 27 Nov 2024 18:33

Tgt Ion:264 Resp: 11643

Ion	Ratio	Lower	Upper
264	100		
260	27.1	21.4	32.2
265	47.7	40.2	60.4



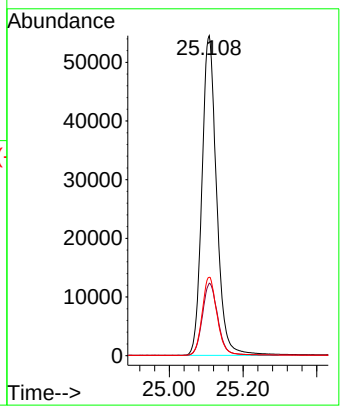


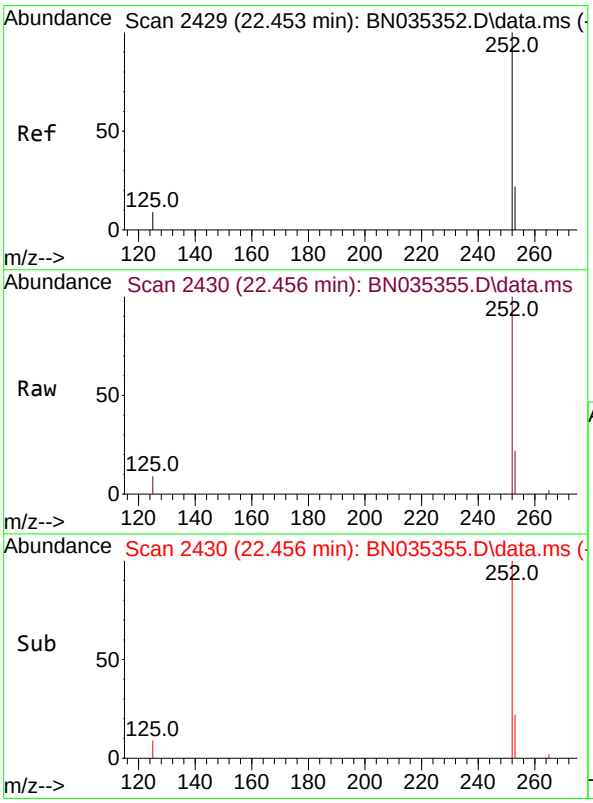
#36
Indeno(1,2,3-cd)pyrene
Concen: 3.239 ng
RT: 25.108 min Scan# 3
Delta R.T. -0.000 min
Lab File: BN035355.D
Acq: 27 Nov 2024 18:33

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:276 Resp: 150433

Ion	Ratio	Lower	Upper
276	100		
138	23.7	19.4	29.0
277	24.9	19.8	29.6

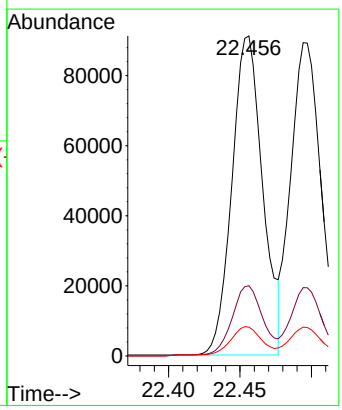


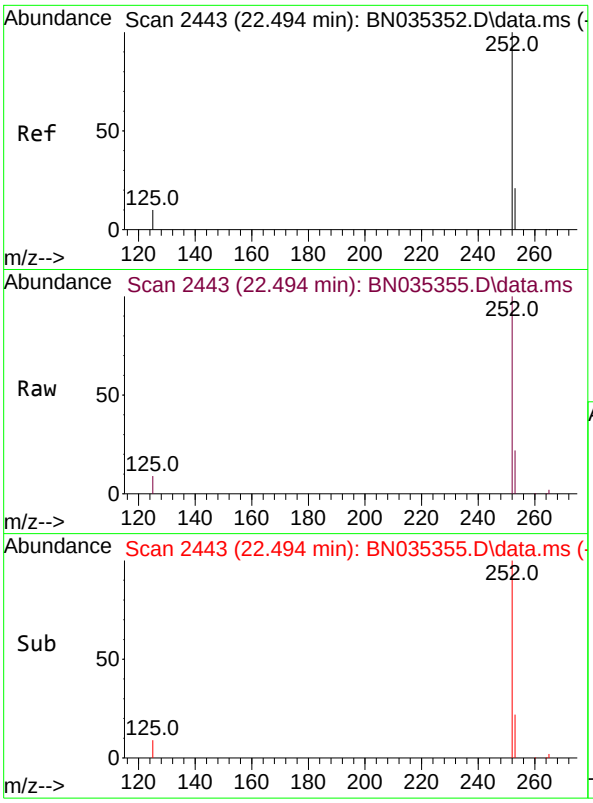


#37
Benzo(b)fluoranthene
Concen: 3.478 ng
RT: 22.456 min Scan# 2430
Delta R.T. 0.003 min
Lab File: BN035355.D
Acq: 27 Nov 2024 18:33

Tgt Ion:252 Resp: 136261

Ion	Ratio	Lower	Upper
252	100		
253	22.0	19.6	29.4
125	9.0	9.6	14.4#



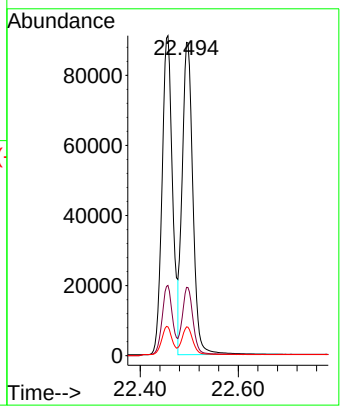


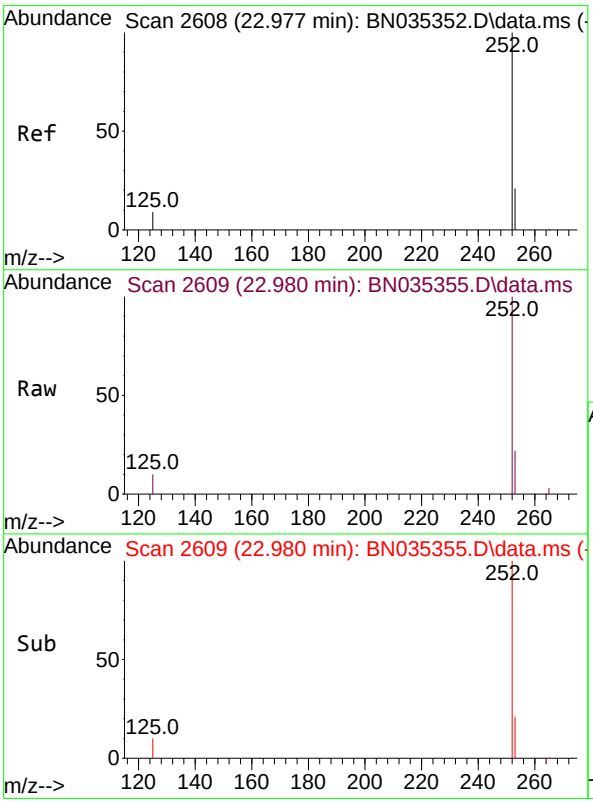
#38
Benzo(k)fluoranthene
Concen: 3.439 ng
RT: 22.494 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN035355.D
Acq: 27 Nov 2024 18:33

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:252 Resp: 134789

Ion	Ratio	Lower	Upper
252	100		
253	21.8	19.5	29.3
125	9.2	10.2	15.4#

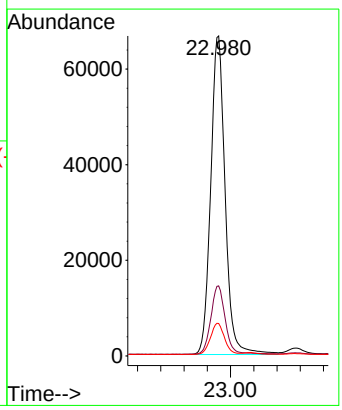


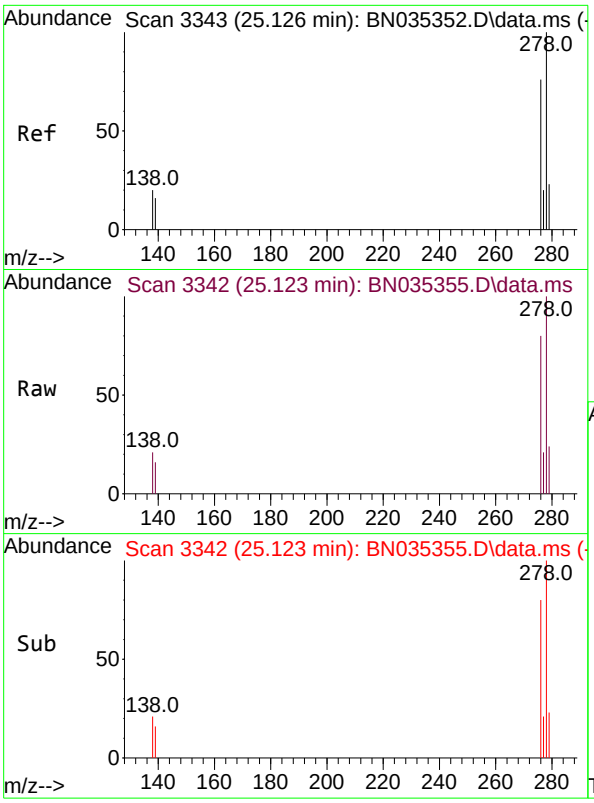


#39
Benzo(a)pyrene
Concen: 3.328 ng
RT: 22.980 min Scan# 2609
Delta R.T. 0.003 min
Lab File: BN035355.D
Acq: 27 Nov 2024 18:33

Tgt Ion:252 Resp: 114719

Ion	Ratio	Lower	Upper
252	100		
253	21.9	20.2	30.4
125	10.1	10.9	16.3#



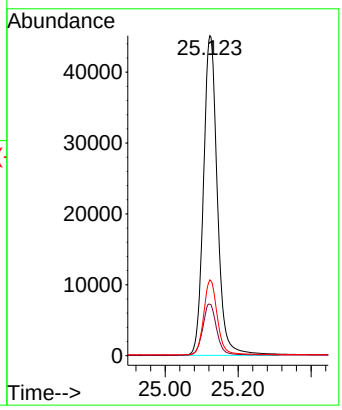


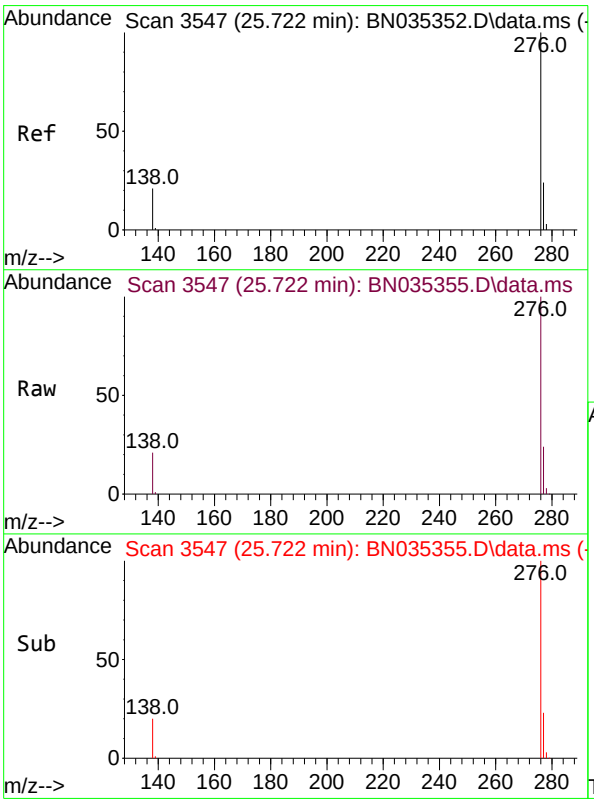
#40
Dibenzo(a,h)anthracene
Concen: 3.240 ng
RT: 25.123 min Scan# 3
Delta R.T. -0.003 min
Lab File: BN035355.D
Acq: 27 Nov 2024 18:33

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:278 Resp: 119216

Ion	Ratio	Lower	Upper
278	100		
139	16.1	14.2	21.4
279	23.7	20.5	30.7

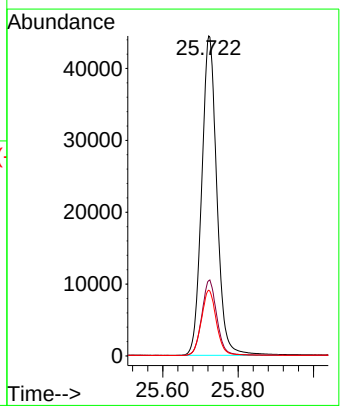




#41
Benzo(g,h,i)perylene
Concen: 3.164 ng
RT: 25.722 min Scan# 3547
Delta R.T. -0.000 min
Lab File: BN035355.D
Acq: 27 Nov 2024 18:33

Tgt Ion:276 Resp: 123841

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.9	29.9
138	20.6	17.8	26.8



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
Data File : BN035356.D
Acq On : 27 Nov 2024 19:09
Operator : RC/JU
Sample : SSTDICC5.0
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Quant Time: Nov 27 22:54:04 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 27 22:48:24 2024
Response via : Initial Calibration

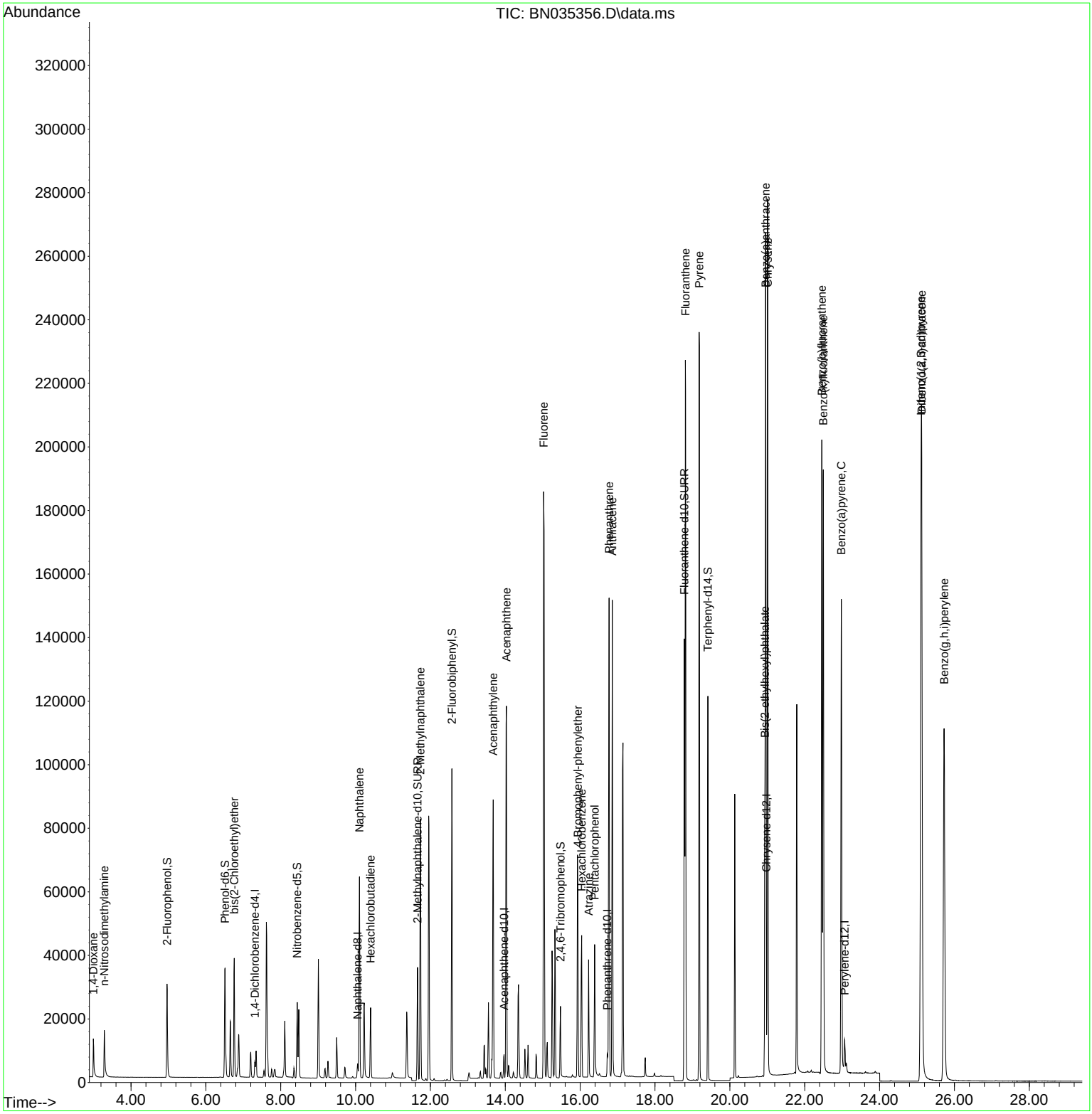
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.308	152	2249	0.400	ng		0.00
7) Naphthalene-d8	10.052	136	5807	0.400	ng		0.00
13) Acenaphthene-d10	13.967	164	4363	0.400	ng		0.00
19) Phenanthrene-d10	16.723	188	10479	0.400	ng		#-0.01
29) Chrysene-d12	20.974	240	11520	0.400	ng		0.00
35) Perylene-d12	23.067	264	12000	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	4.968	112	26472	4.637	ng		0.00
5) Phenol-d6	6.513	99	34560	4.828	ng		0.00
8) Nitrobenzene-d5	8.440	82	18911	3.741	ng		0.00
11) 2-Methylnaphthalene-d10	11.656	152	47612	4.601	ng		0.00
14) 2,4,6-Tribromophenol	15.475	330	17905	5.689	ng		0.00
15) 2-Fluorobiphenyl	12.574	172	82401	4.650	ng		0.00
27) Fluoranthene-d10	18.785	212	152416	4.748	ng		0.00
31) Terphenyl-d14	19.412	244	110737	4.581	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.996	88	9786	4.790	ng		99
3) n-Nitrosodimethylamine	3.285	42	8681	4.560	ng	#	96
6) bis(2-Chloroethyl)ether	6.759	93	27872	5.187	ng		99
9) Naphthalene	10.105	128	77668	5.123	ng		97
10) Hexachlorobutadiene	10.404	225	17273	3.887	ng	#	100
12) 2-Methylnaphthalene	11.732	142	57698	5.158	ng		98
16) Acenaphthylene	13.679	152	97129	5.209	ng		99
17) Acenaphthene	14.031	154	62170	5.088	ng		98
18) Fluorene	15.026	166	88648	4.932	ng		99
21) 4-Bromophenyl-phenylether	15.941	248	31947	4.785	ng	#	94
22) Hexachlorobenzene	16.040	284	36315	5.241	ng		100
23) Atrazine	16.227	200	25034	4.179	ng		96
24) Pentachlorophenol	16.388	266	19691	6.083	ng		86
25) Phenanthrene	16.773	178	147357	5.343	ng		100
26) Anthracene	16.860	178	139399	5.503	ng		99
28) Fluoranthene	18.812	202	199850	5.270	ng		99
30) Pyrene	19.179	202	206018	5.370	ng		100
32) Benzo(a)anthracene	20.956	228	205712	5.128	ng		99
33) Chrysene	21.009	228	204475	5.146	ng		99
34) Bis(2-ethylhexyl)phtha...	20.938	149	78322	3.721	ng		99
36) Indeno(1,2,3-cd)pyrene	25.108	276	252709	5.279	ng		99
37) Benzo(b)fluoranthene	22.456	252	241201	5.974	ng	#	94
38) Benzo(k)fluoranthene	22.497	252	220146	5.449	ng	#	93
39) Benzo(a)pyrene	22.977	252	190665	5.367	ng	#	92
40) Dibenzo(a,h)anthracene	25.126	278	199852	5.269	ng		96
41) Benzo(g,h,i)perylene	25.725	276	209119	5.183	ng		97

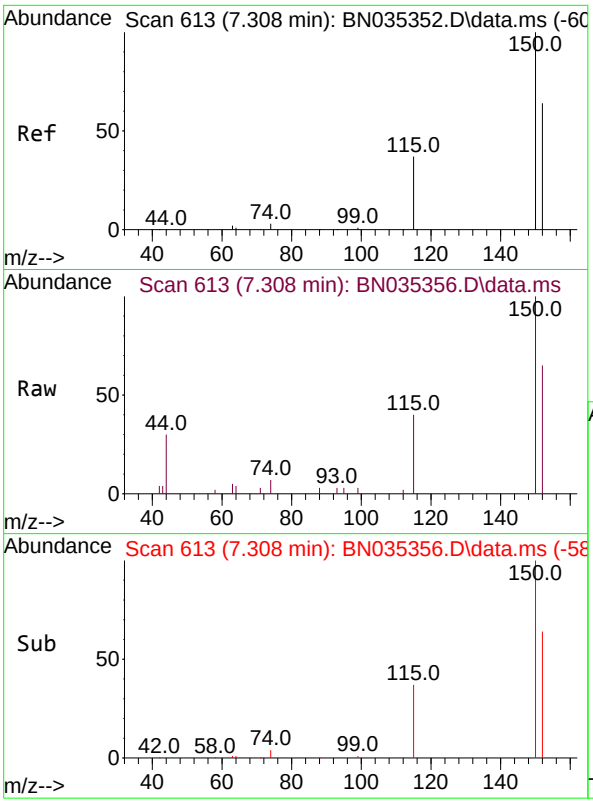
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
Data File : BN035356.D
Acq On : 27 Nov 2024 19:09
Operator : RC/JU
Sample : SSTDICC5.0
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Quant Time: Nov 27 22:54:04 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 27 22:48:24 2024
Response via : Initial Calibration



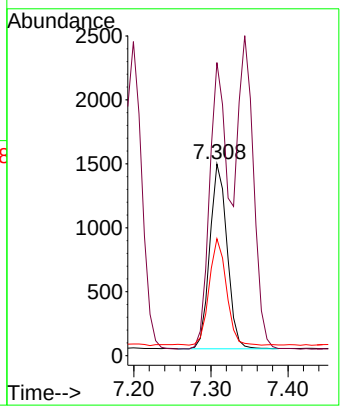


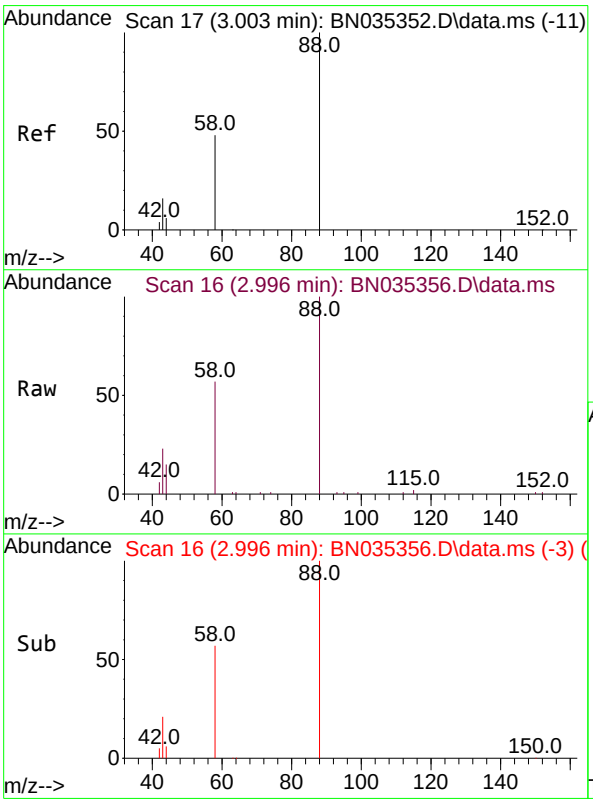
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.308 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN035356.D
Acq: 27 Nov 2024 19:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:152 Resp: 2249

Ion	Ratio	Lower	Upper
152	100		
150	152.9	124.0	186.0
115	61.0	49.6	74.4

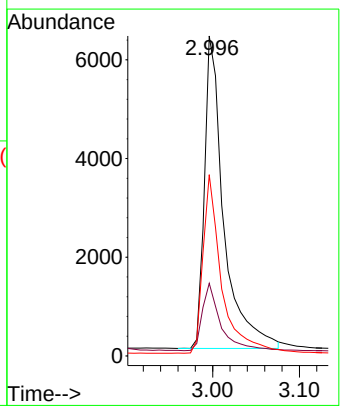


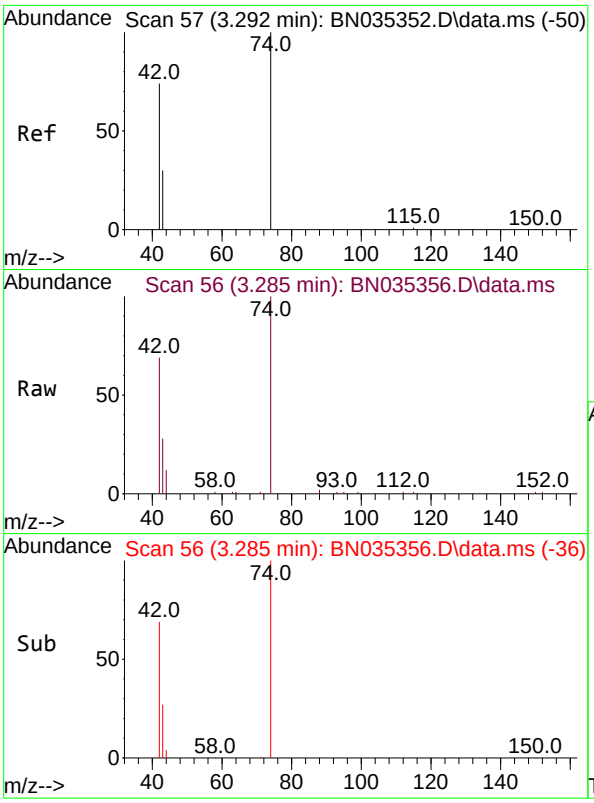


#2
1,4-Dioxane
Concen: 4.790 ng
RT: 2.996 min Scan# 16
Delta R.T. -0.007 min
Lab File: BN035356.D
Acq: 27 Nov 2024 19:09

Tgt Ion: 88 Resp: 9786

Ion	Ratio	Lower	Upper
88	100		
43	20.5	17.2	25.8
58	54.8	44.5	66.7



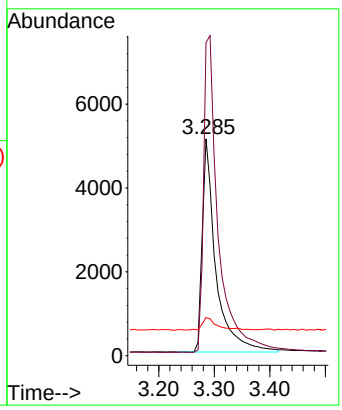


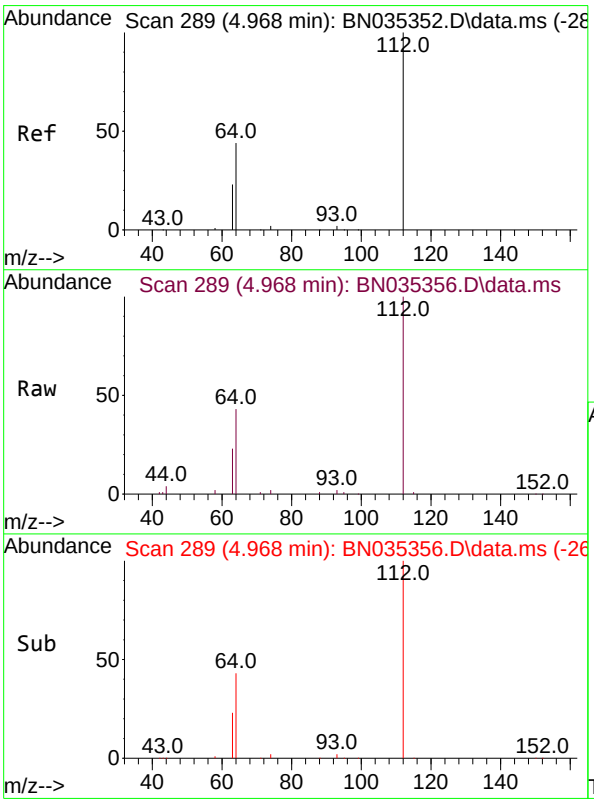
#3
n-Nitrosodimethylamine
Concen: 4.560 ng
RT: 3.285 min Scan# 5
Delta R.T. -0.007 min
Lab File: BN035356.D
Acq: 27 Nov 2024 19:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion: 42 Resp: 8681

Ion	Ratio	Lower	Upper
42	100		
74	161.2	124.9	187.3
44	6.7	2.2	3.4#

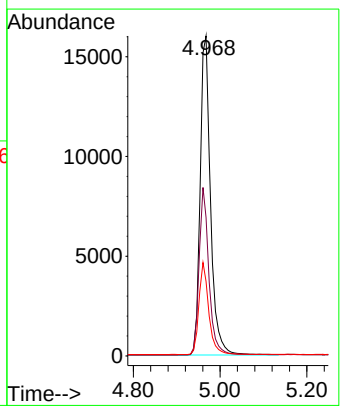


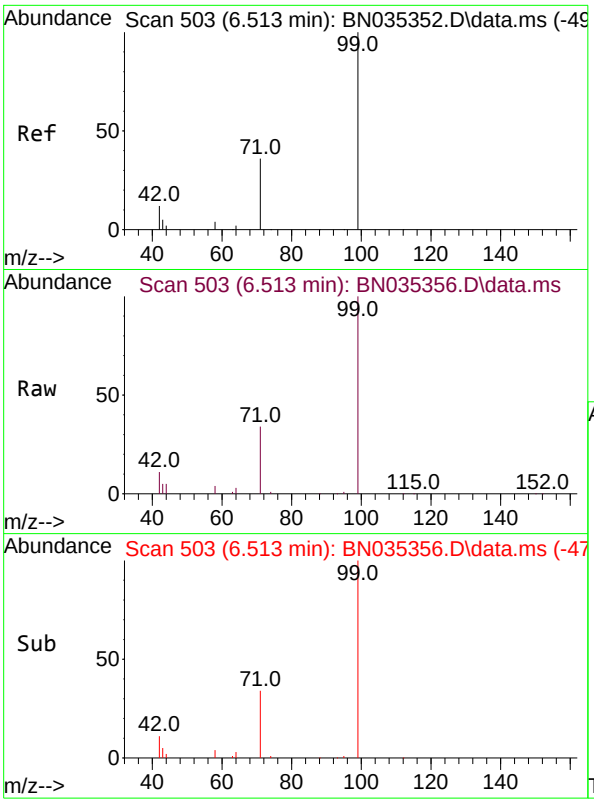


#4
2-Fluorophenol
Concen: 4.637 ng
RT: 4.968 min Scan# 289
Delta R.T. 0.000 min
Lab File: BN035356.D
Acq: 27 Nov 2024 19:09

Tgt Ion:112 Resp: 26472

Ion	Ratio	Lower	Upper
112	100		
64	50.0	39.8	59.8
63	27.4	21.0	31.6



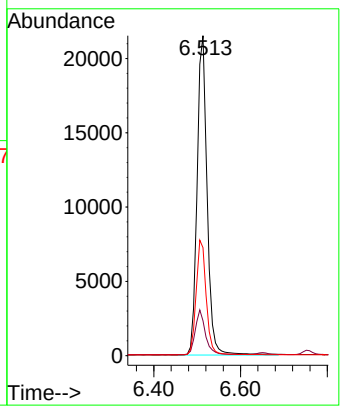


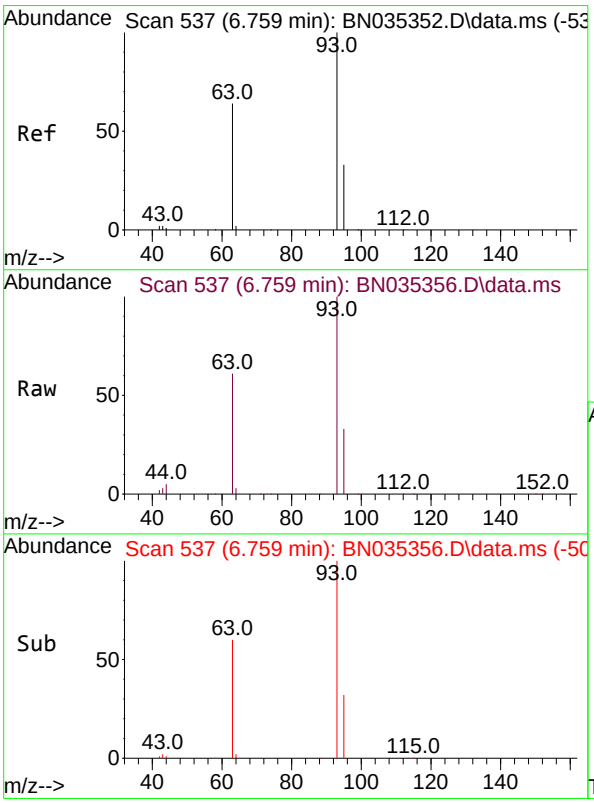
#5
Phenol-d6
Concen: 4.828 ng
RT: 6.513 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN035356.D
Acq: 27 Nov 2024 19:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion: 99 Resp: 34560

Ion	Ratio	Lower	Upper
99	100		
42	14.1	11.4	17.2
71	36.4	29.3	43.9

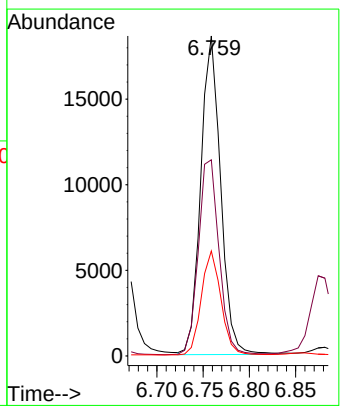


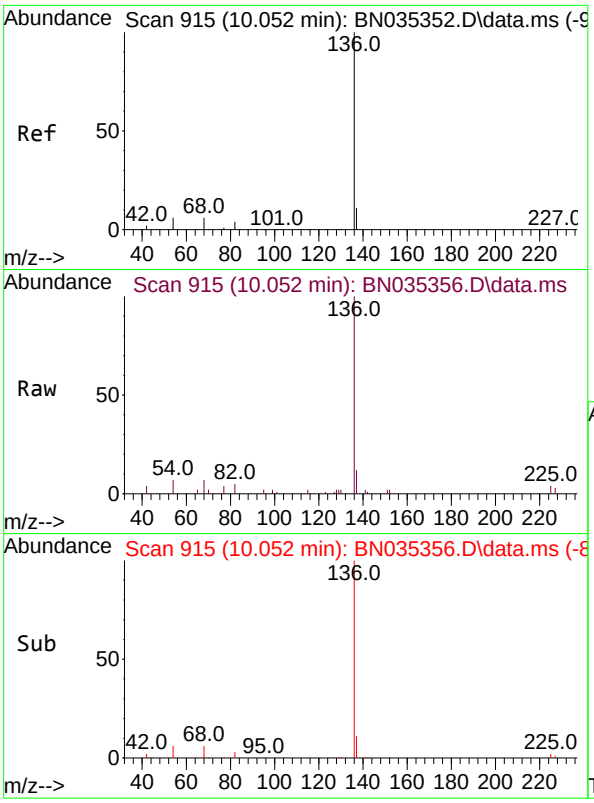


#6
bis(2-Chloroethyl)ether
Concen: 5.187 ng
RT: 6.759 min Scan# 537
Delta R.T. 0.000 min
Lab File: BN035356.D
Acq: 27 Nov 2024 19:09

Tgt Ion: 93 Resp: 27872

Ion	Ratio	Lower	Upper
93	100		
63	63.7	50.4	75.6
95	32.1	25.7	38.5



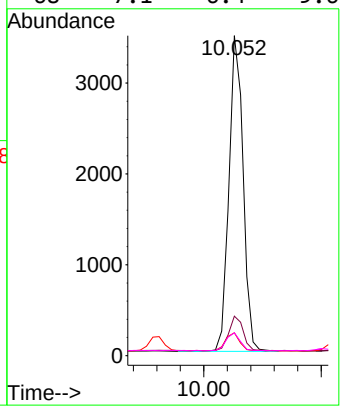


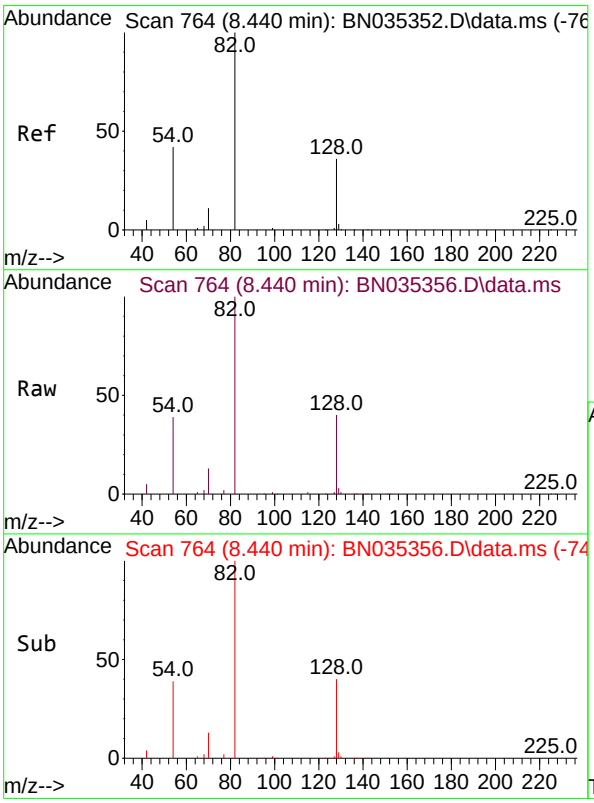
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.052 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN035356.D
Acq: 27 Nov 2024 19:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:136 Resp: 5807

Ion	Ratio	Lower	Upper
136	100		
137	12.4	10.2	15.2
54	7.1	6.1	9.1
68	7.1	6.4	9.6

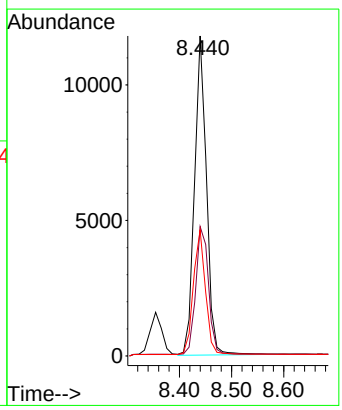


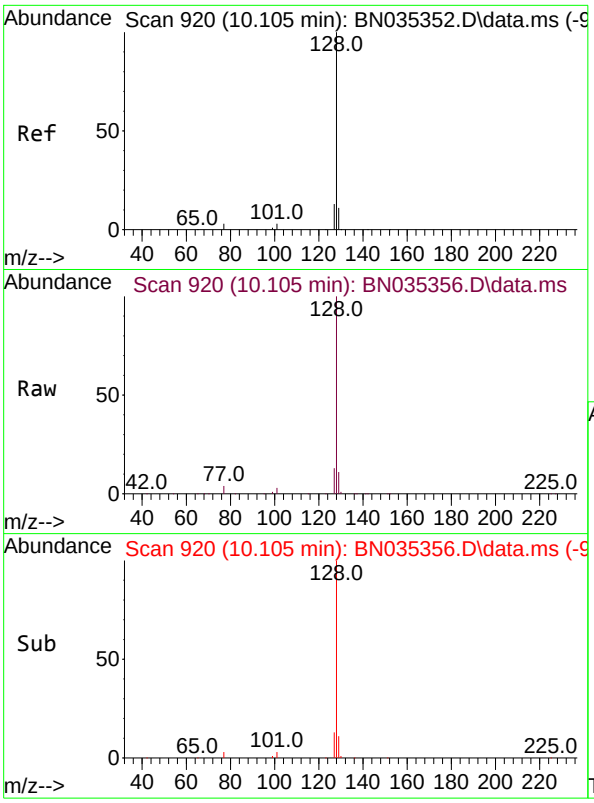


#8
Nitrobenzene-d5
Concen: 3.741 ng
RT: 8.440 min Scan# 764
Delta R.T. 0.000 min
Lab File: BN035356.D
Acq: 27 Nov 2024 19:09

Tgt Ion: 82 Resp: 18911

Ion	Ratio	Lower	Upper
82	100		
128	40.4	33.4	50.0
54	39.4	36.7	55.1



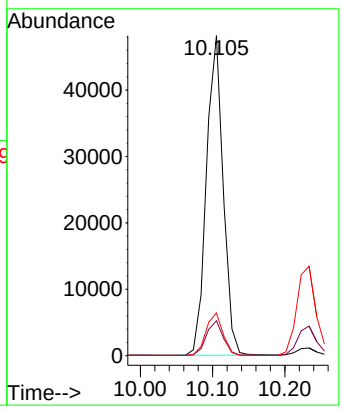


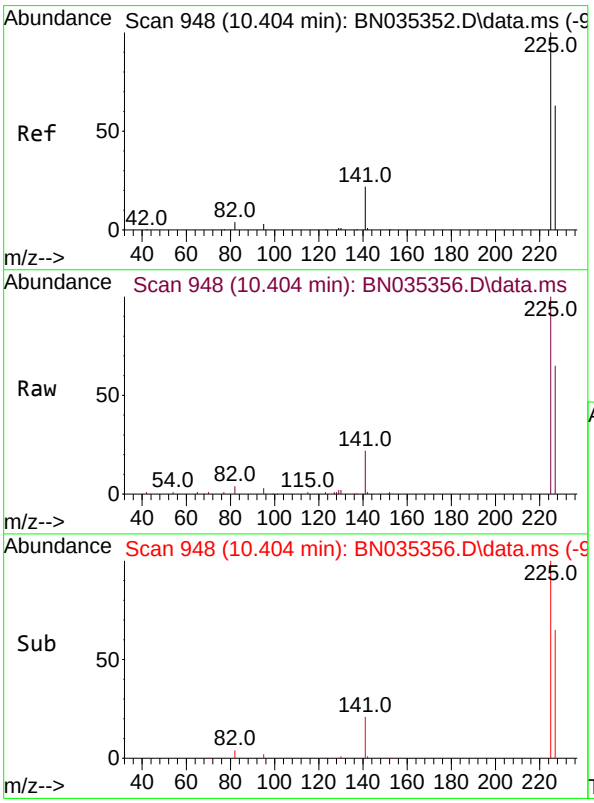
#9
Naphthalene
Concen: 5.123 ng
RT: 10.105 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN035356.D
Acq: 27 Nov 2024 19:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:128 Resp: 77668

Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.8	14.6
127	13.4	11.4	17.2

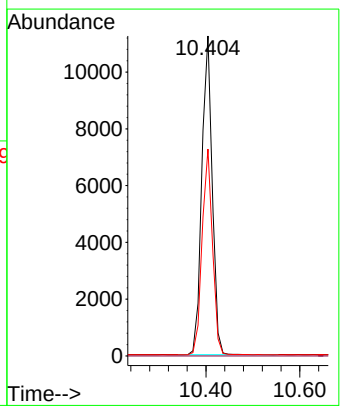


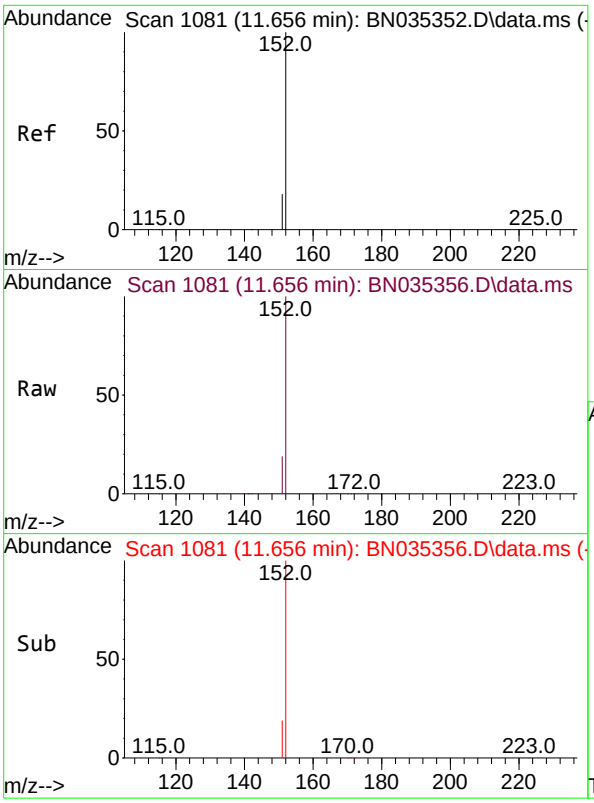


#10
Hexachlorobutadiene
Concen: 3.887 ng
RT: 10.404 min Scan# 948
Delta R.T. 0.000 min
Lab File: BN035356.D
Acq: 27 Nov 2024 19:09

Tgt Ion:225 Resp: 17273

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.2	51.3	76.9



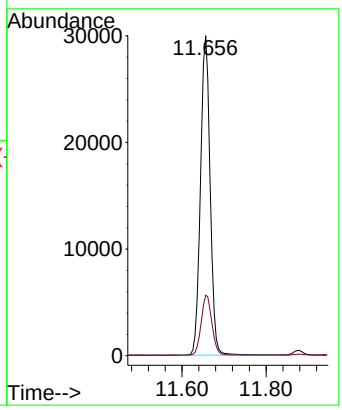


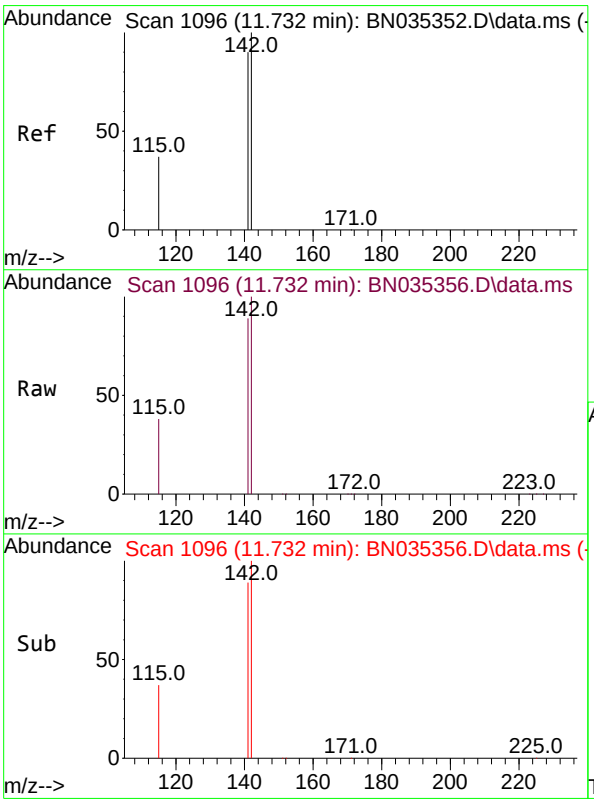
#11
2-Methylnaphthalene-d10
Concen: 4.601 ng
RT: 11.656 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN035356.D
Acq: 27 Nov 2024 19:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:152 Resp: 47612

Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.6	25.0

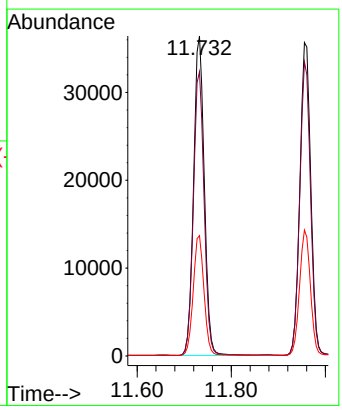


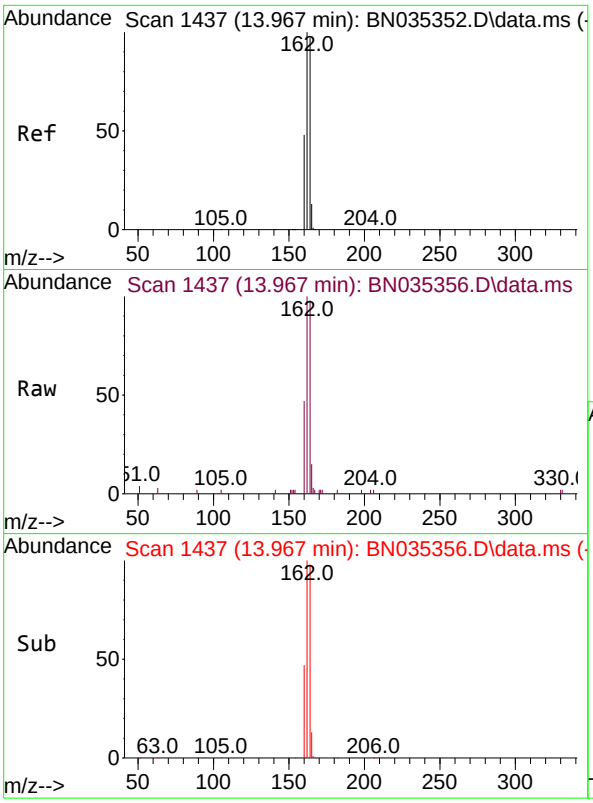


#12
2-Methylnaphthalene
Concen: 5.158 ng
RT: 11.732 min Scan# 1096
Delta R.T. 0.000 min
Lab File: BN035356.D
Acq: 27 Nov 2024 19:09

Tgt Ion:142 Resp: 57698

Ion	Ratio	Lower	Upper
142	100		
141	88.8	72.2	108.4
115	37.6	31.4	47.0



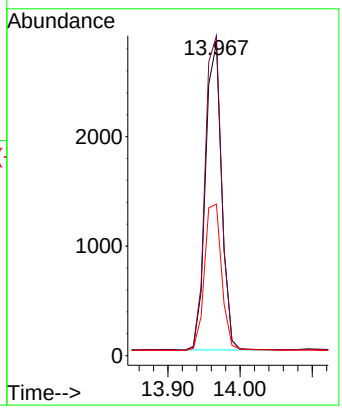


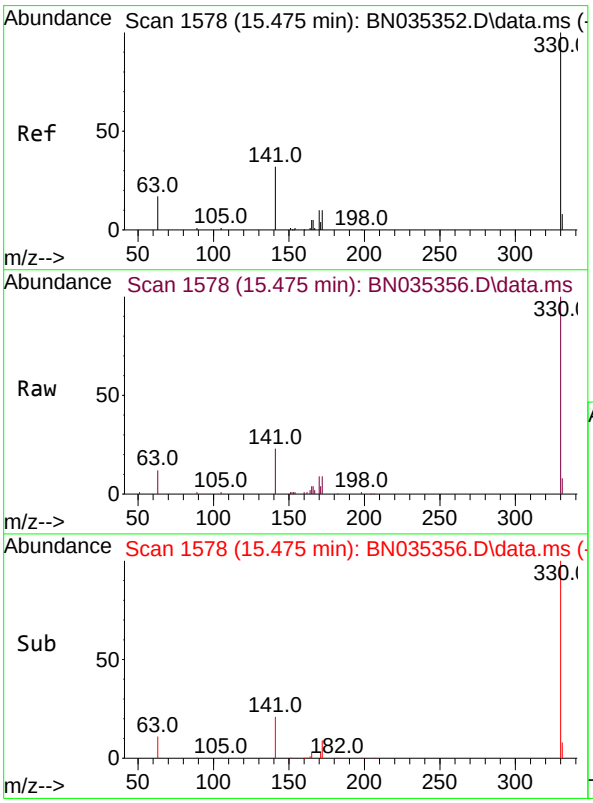
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.967 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN035356.D
Acq: 27 Nov 2024 19:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:164 Resp: 4363

Ion	Ratio	Lower	Upper
164	100		
162	102.2	82.2	123.2
160	48.4	40.1	60.1

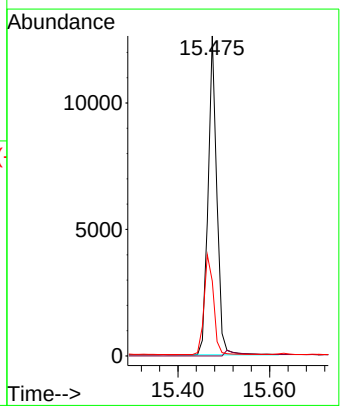


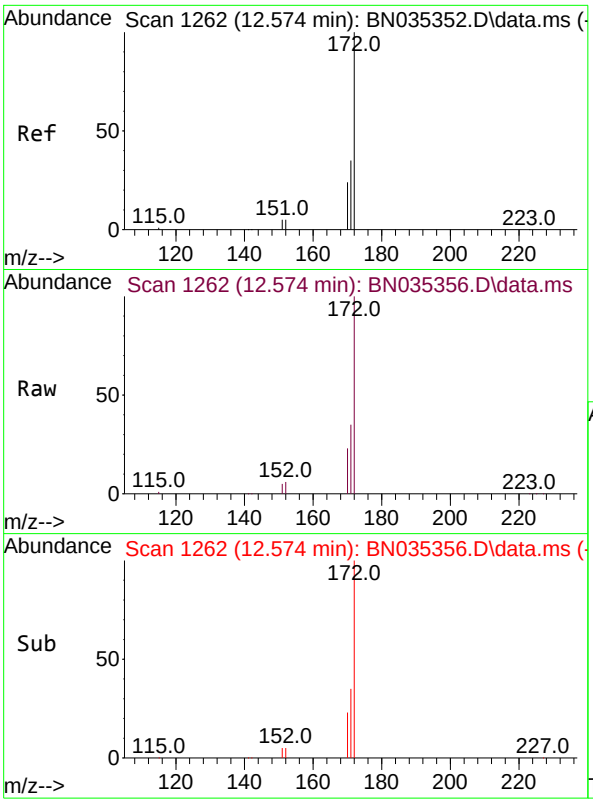


#14
2,4,6-Tribromophenol
Concen: 5.689 ng
RT: 15.475 min Scan# 1578
Delta R.T. 0.000 min
Lab File: BN035356.D
Acq: 27 Nov 2024 19:09

Tgt Ion:330 Resp: 17905

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	33.4	26.6	40.0



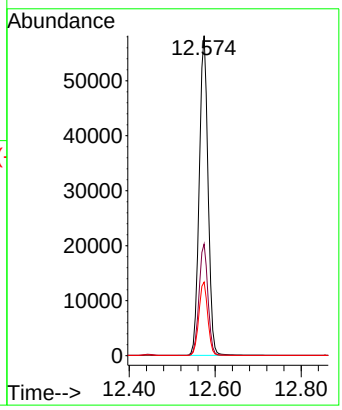


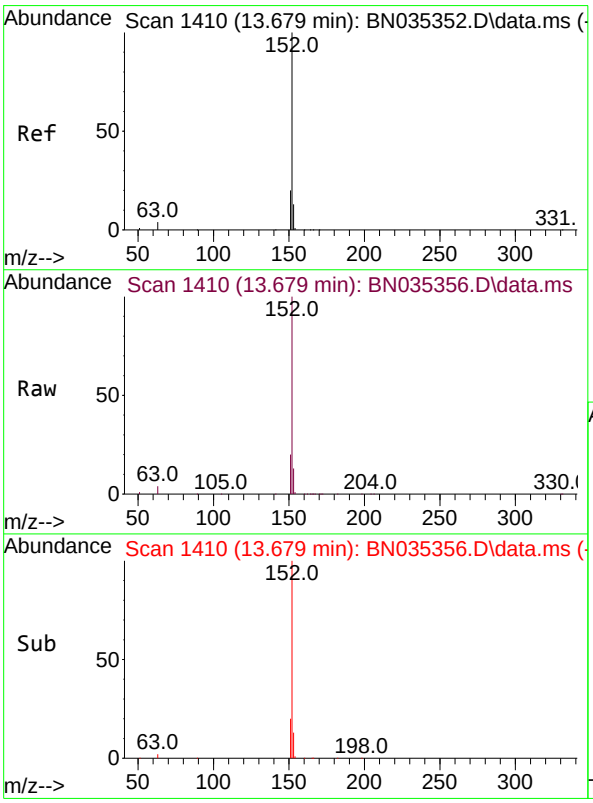
#15
2-Fluorobiphenyl
Concen: 4.650 ng
RT: 12.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN035356.D
Acq: 27 Nov 2024 19:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:172 Resp: 82401

Ion	Ratio	Lower	Upper
172	100		
171	34.9	29.0	43.4
170	23.0	19.8	29.8

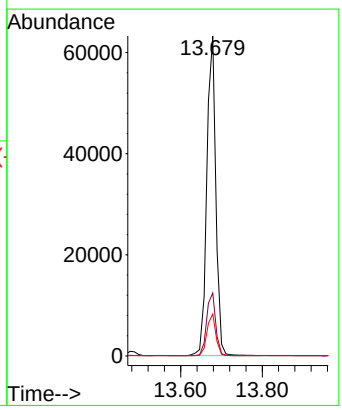


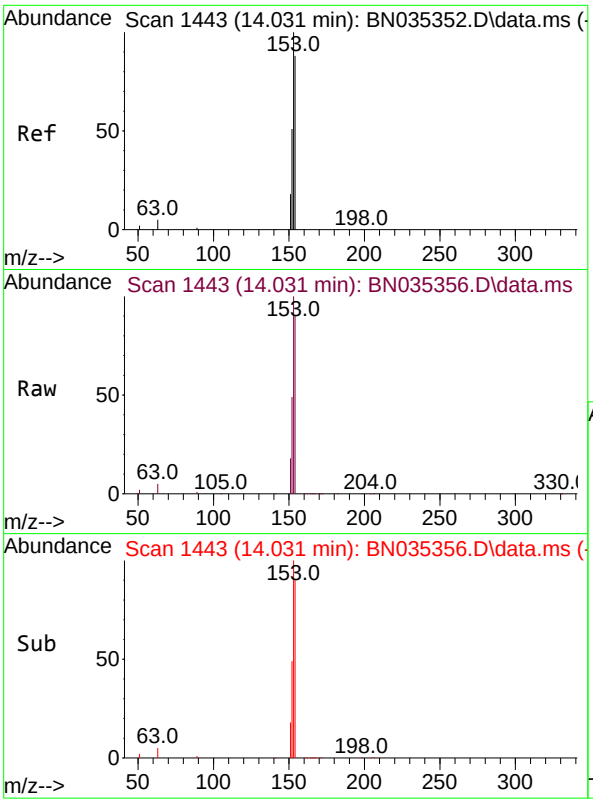


#16
Acenaphthylene
Concen: 5.209 ng
RT: 13.679 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BN035356.D
Acq: 27 Nov 2024 19:09

Tgt Ion:152 Resp: 97129

Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.2	24.2
153	12.9	10.4	15.6



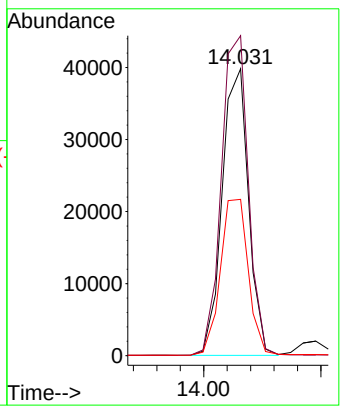


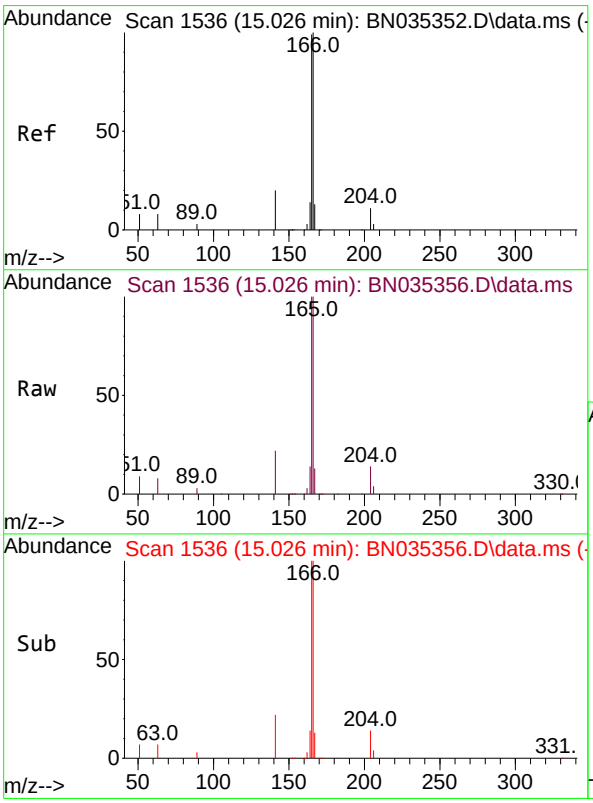
#17
Acenaphthene
Concen: 5.088 ng
RT: 14.031 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN035356.D
Acq: 27 Nov 2024 19:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:154 Resp: 62170

Ion	Ratio	Lower	Upper
154	100		
153	114.7	92.6	139.0
152	58.1	49.0	73.6

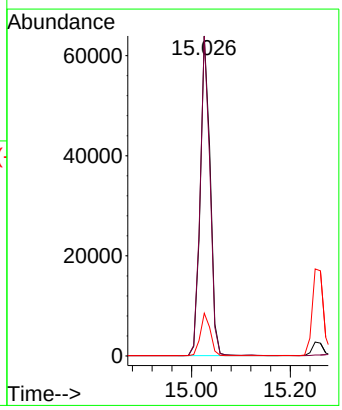


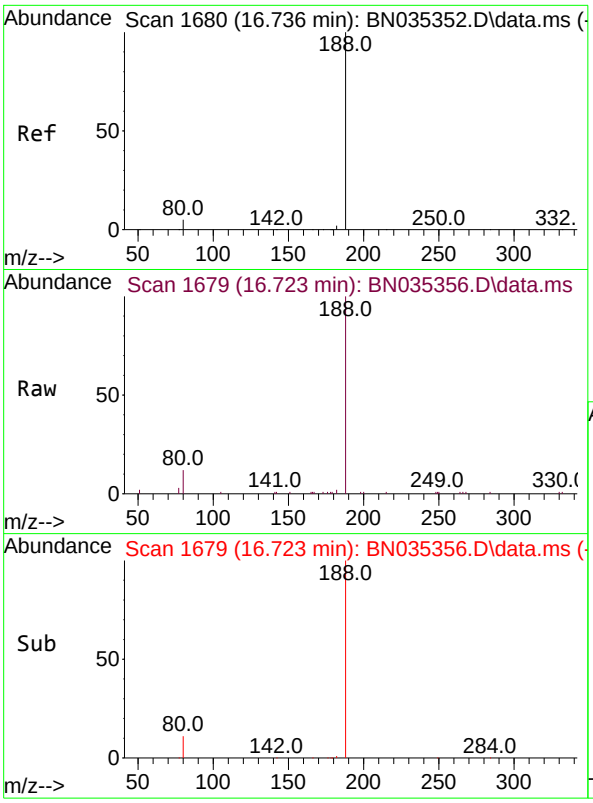


#18
Fluorene
Concen: 4.932 ng
RT: 15.026 min Scan# 1536
Delta R.T. 0.000 min
Lab File: BN035356.D
Acq: 27 Nov 2024 19:09

Tgt Ion:166 Resp: 88648

Ion	Ratio	Lower	Upper
166	100		
165	98.5	79.7	119.5
167	13.4	10.8	16.2



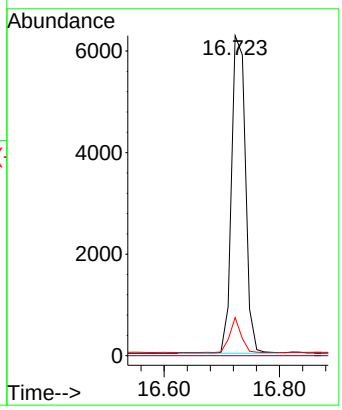


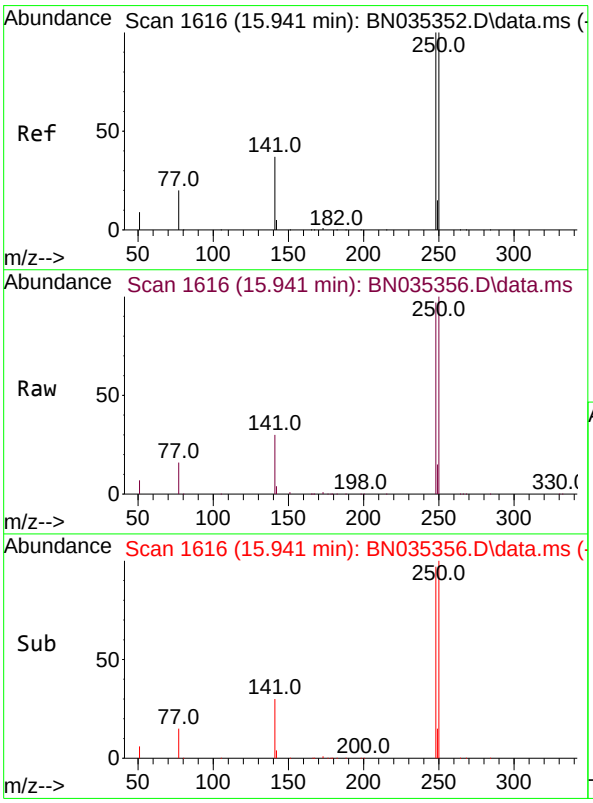
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.723 min Scan# 1(
Delta R.T. -0.012 min
Lab File: BN035356.D
Acq: 27 Nov 2024 19:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:188 Resp: 10479

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.9	4.6	6.8#

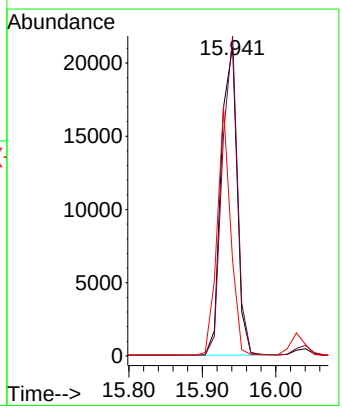


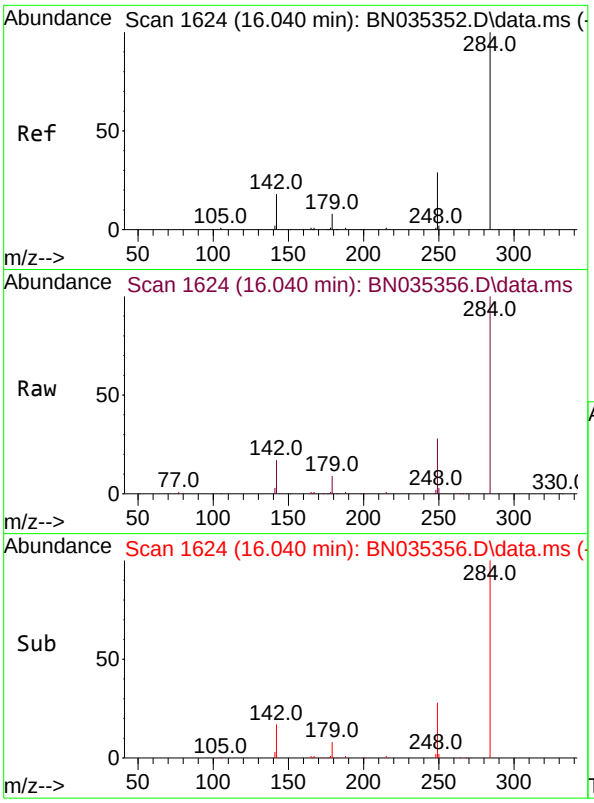


#21
4-Bromophenyl-phenylether
Concen: 4.785 ng
RT: 15.941 min Scan# 1616
Delta R.T. 0.000 min
Lab File: BN035356.D
Acq: 27 Nov 2024 19:09

Tgt Ion:248 Resp: 31947

Ion	Ratio	Lower	Upper
248	100		
250	103.5	80.6	120.8
141	30.8	31.5	47.3#



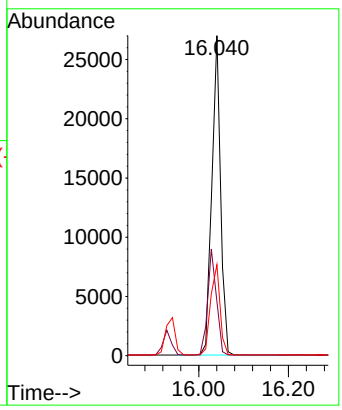


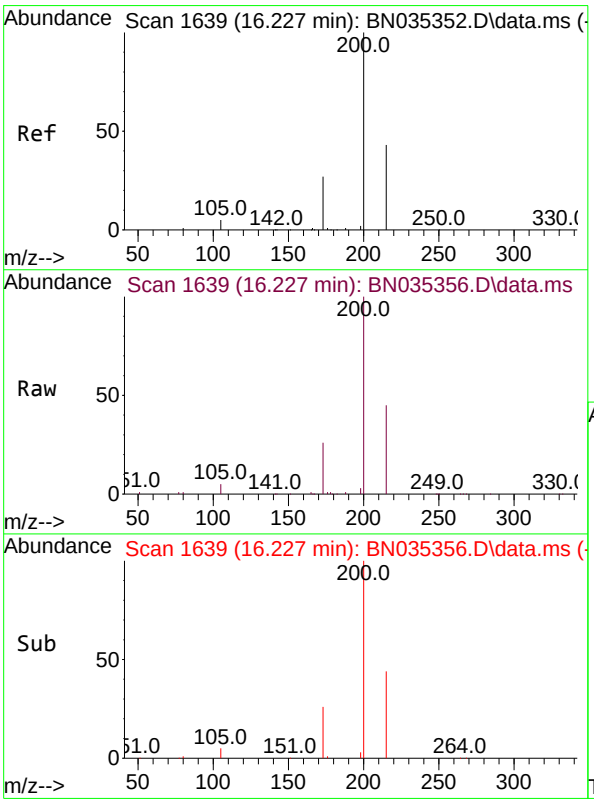
#22
Hexachlorobenzene
Concen: 5.241 ng
RT: 16.040 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN035356.D
Acq: 27 Nov 2024 19:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:284 Resp: 36315

Ion	Ratio	Lower	Upper
284	100		
142	33.4	26.7	40.1
249	30.4	24.6	36.8

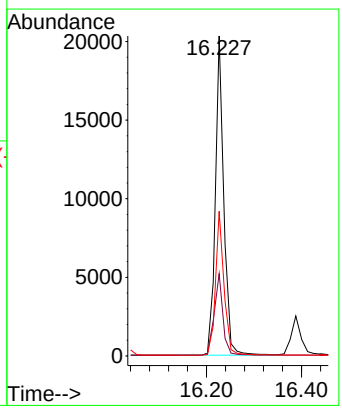


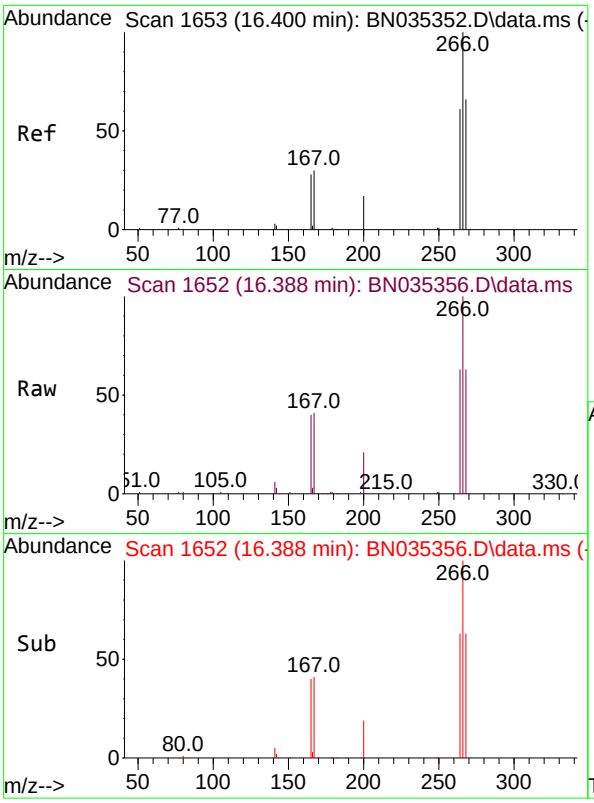


#23
Atrazine
Concen: 4.179 ng
RT: 16.227 min Scan# 1639
Delta R.T. 0.000 min
Lab File: BN035356.D
Acq: 27 Nov 2024 19:09

Tgt Ion:200 Resp: 25034

Ion	Ratio	Lower	Upper
200	100		
173	25.7	24.1	36.1
215	45.2	36.9	55.3



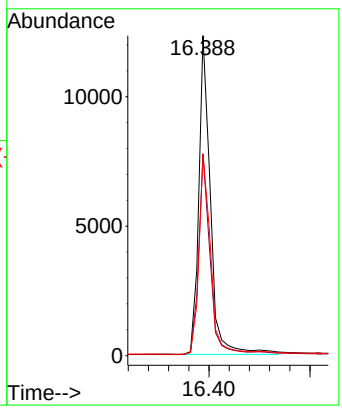


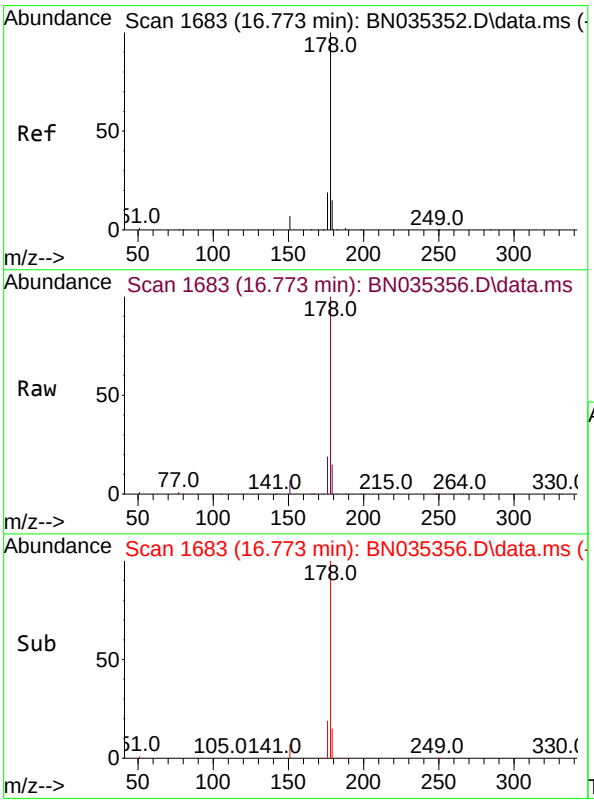
#24
Pentachlorophenol
Concen: 6.083 ng
RT: 16.388 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN035356.D
Acq: 27 Nov 2024 19:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:266 Resp: 19691

Ion	Ratio	Lower	Upper
266	100		
264	62.6	42.3	63.5
268	64.1	43.3	64.9

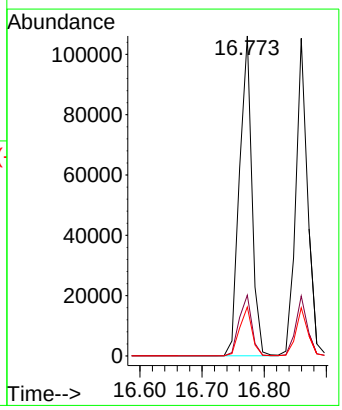


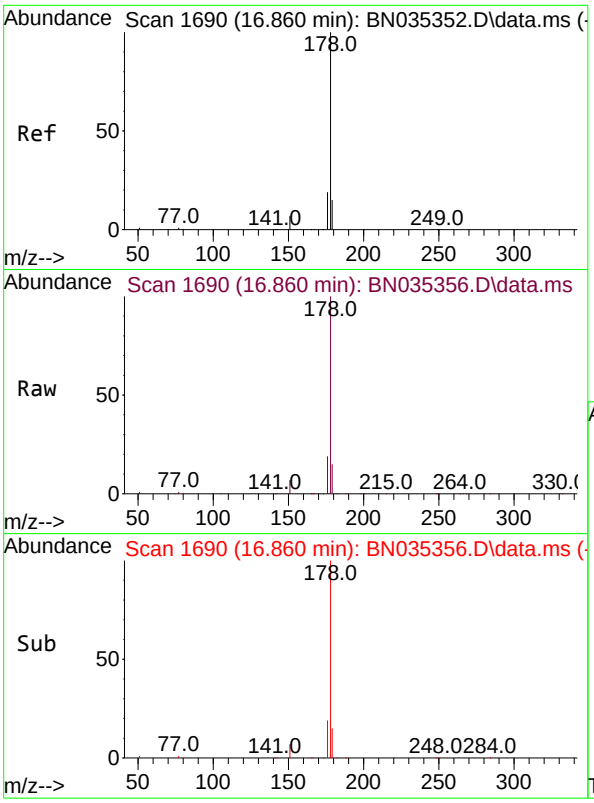


#25
Phenanthrene
Concen: 5.343 ng
RT: 16.773 min Scan# 1683
Delta R.T. 0.000 min
Lab File: BN035356.D
Acq: 27 Nov 2024 19:09

Tgt Ion:178 Resp: 147357

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.2
179	15.2	12.3	18.5



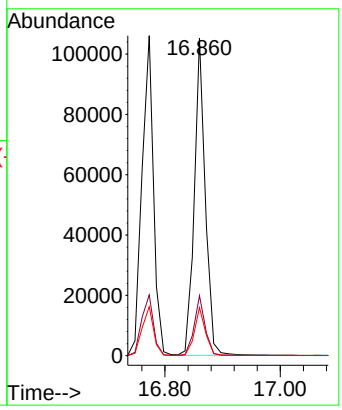


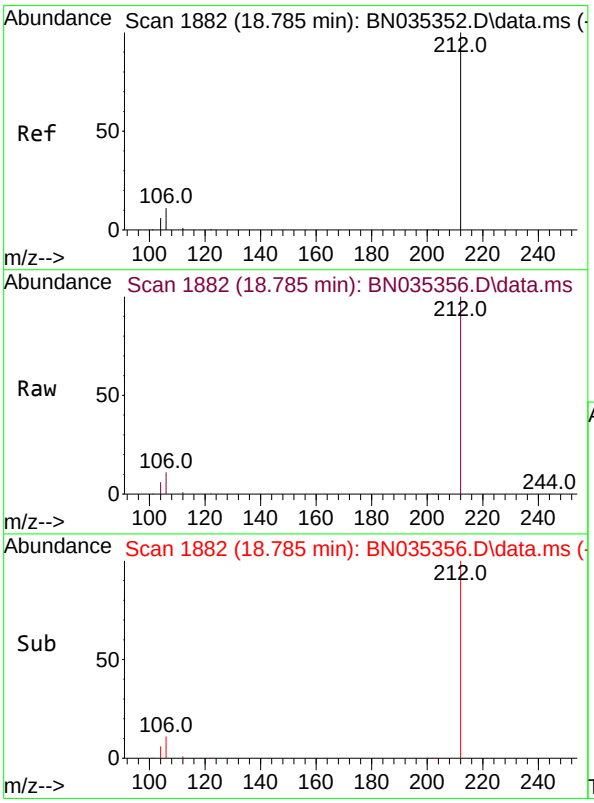
#26
Anthracene
Concen: 5.503 ng
RT: 16.860 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN035356.D
Acq: 27 Nov 2024 19:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:178 Resp: 139399

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.6
179	15.1	12.6	18.8

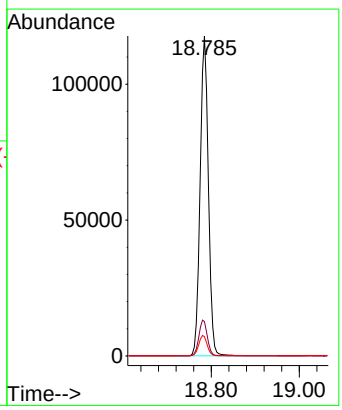


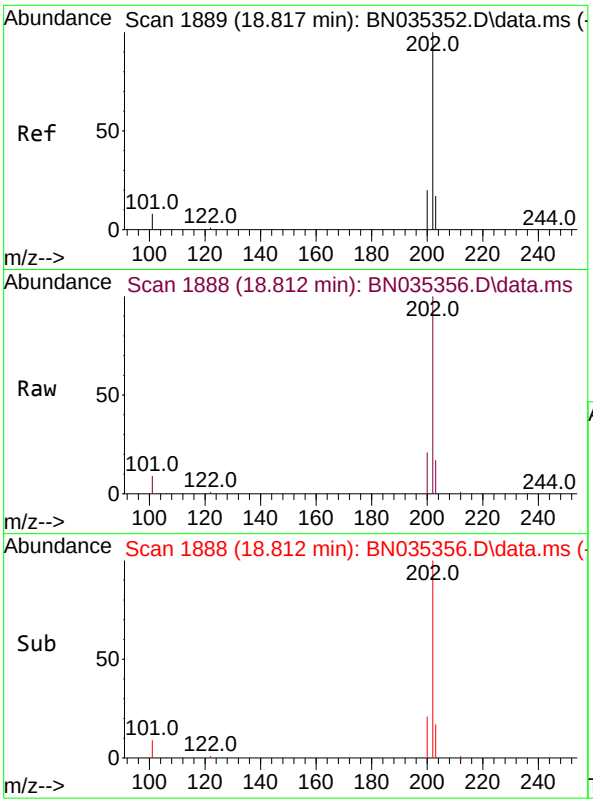


#27
Fluoranthene-d10
Concen: 4.748 ng
RT: 18.785 min Scan# 1882
Delta R.T. 0.000 min
Lab File: BN035356.D
Acq: 27 Nov 2024 19:09

Tgt Ion:212 Resp: 152416

Ion	Ratio	Lower	Upper
212	100		
106	11.5	9.2	13.8
104	6.5	5.3	7.9



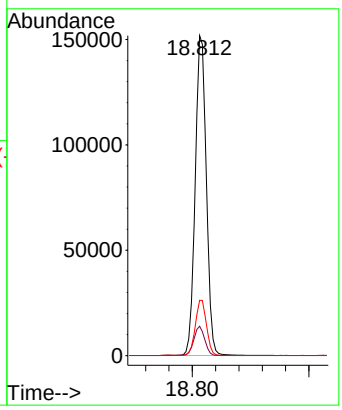


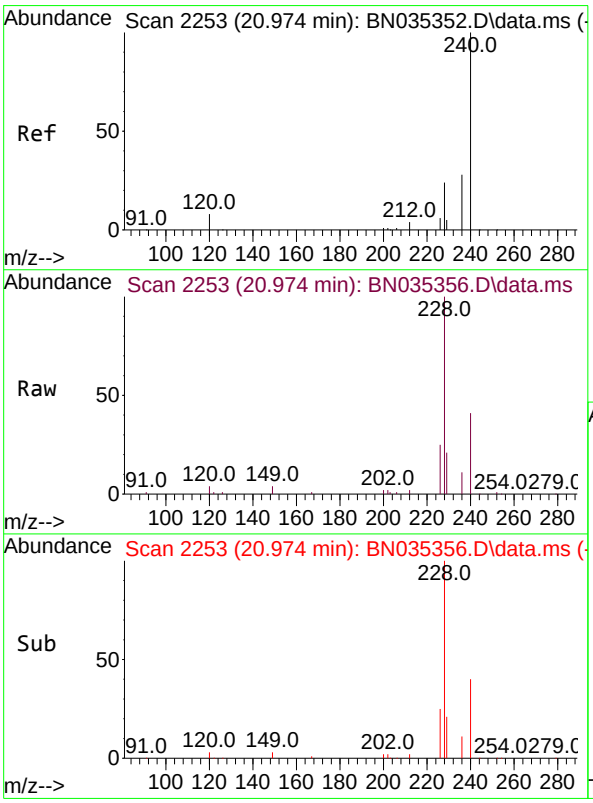
#28
Fluoranthene
Concen: 5.270 ng
RT: 18.812 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN035356.D
Acq: 27 Nov 2024 19:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:202 Resp: 199850

Ion	Ratio	Lower	Upper
202	100		
101	9.1	7.4	11.0
203	17.4	13.7	20.5

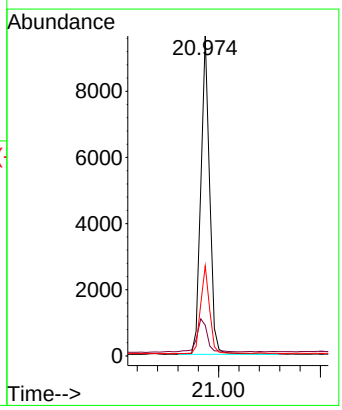


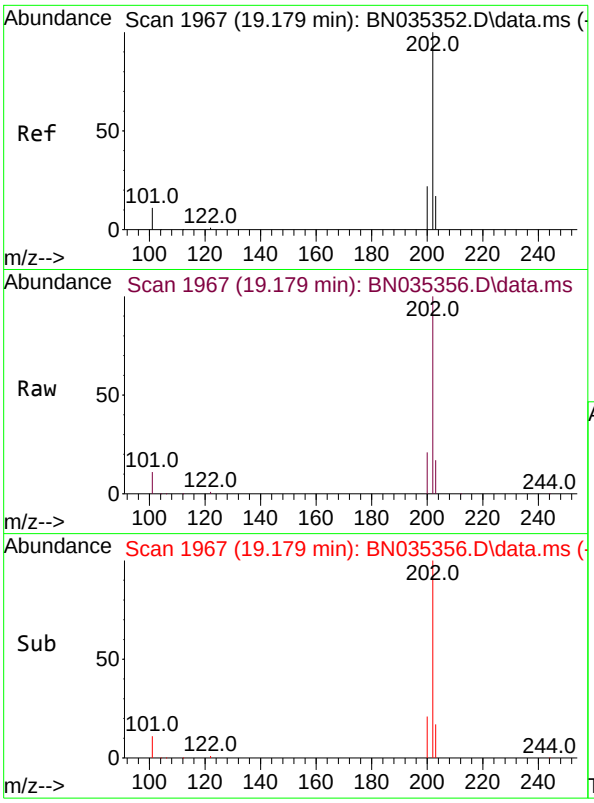


#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.974 min Scan# 2253
Delta R.T. 0.000 min
Lab File: BN035356.D
Acq: 27 Nov 2024 19:09

Tgt Ion:240 Resp: 11520

Ion	Ratio	Lower	Upper
240	100		
120	9.6	7.9	11.9
236	28.1	22.9	34.3



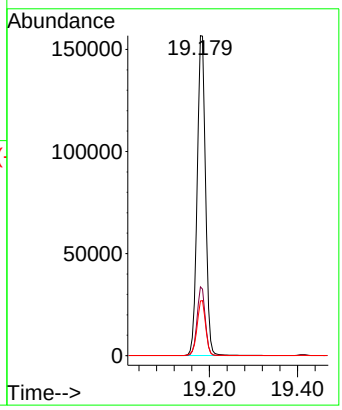


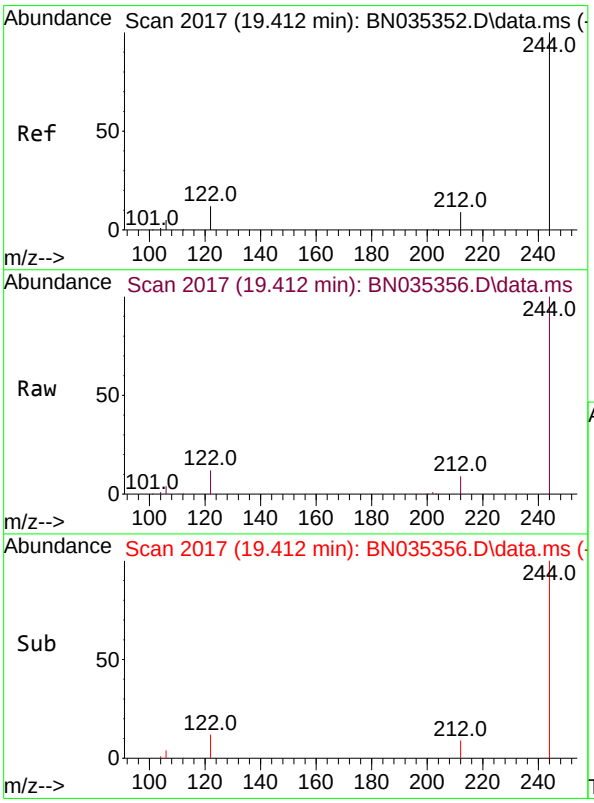
#30
Pyrene
Concen: 5.370 ng
RT: 19.179 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN035356.D
Acq: 27 Nov 2024 19:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:202 Resp: 206018

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.4
203	17.7	14.3	21.5

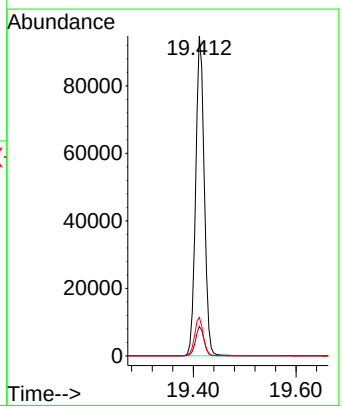


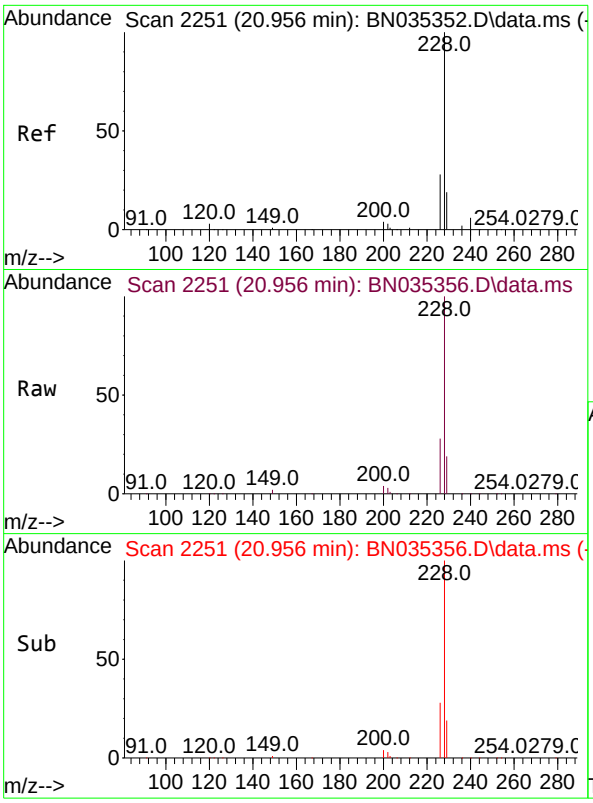


#31
Terphenyl-d14
Concen: 4.581 ng
RT: 19.412 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BN035356.D
Acq: 27 Nov 2024 19:09

Tgt Ion:244 Resp: 110737

Ion	Ratio	Lower	Upper
244	100		
212	9.2	8.1	12.1
122	12.1	10.3	15.5



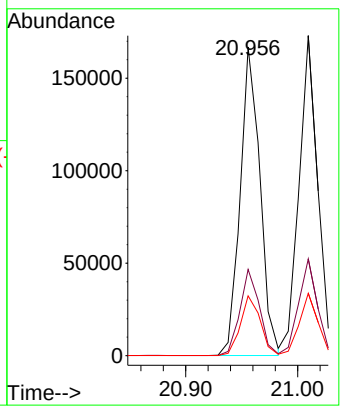


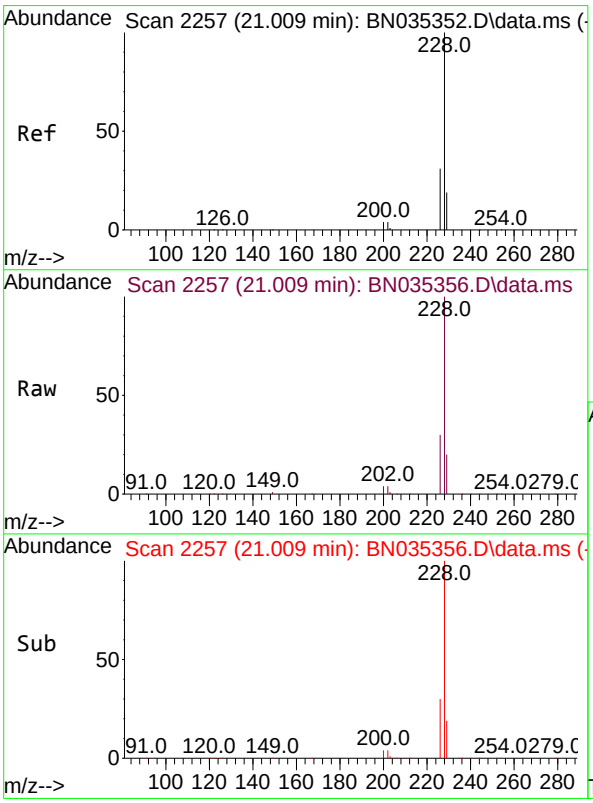
#32
Benzo(a)anthracene
Concen: 5.128 ng
RT: 20.956 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN035356.D
Acq: 27 Nov 2024 19:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:228 Resp: 205712

Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.5	33.7
229	19.4	15.8	23.8

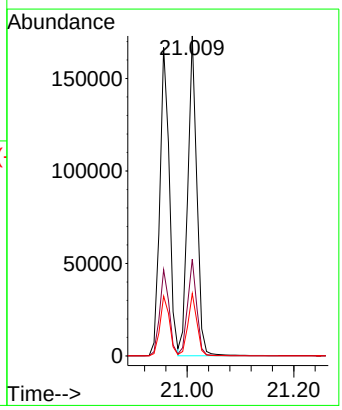


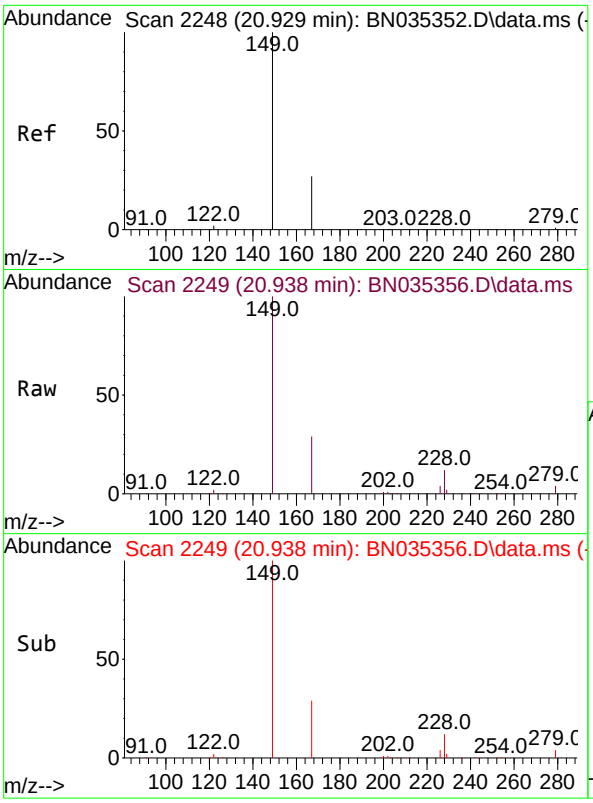


#33
Chrysene
Concen: 5.146 ng
RT: 21.009 min Scan# 2257
Delta R.T. 0.000 min
Lab File: BN035356.D
Acq: 27 Nov 2024 19:09

Tgt Ion:228 Resp: 204475

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.6	37.0
229	19.5	15.9	23.9



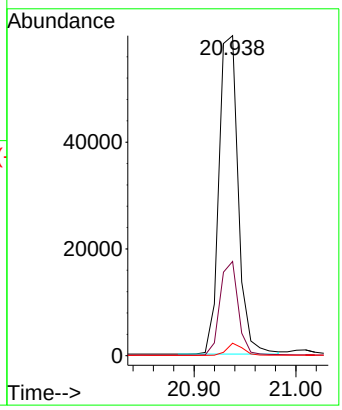


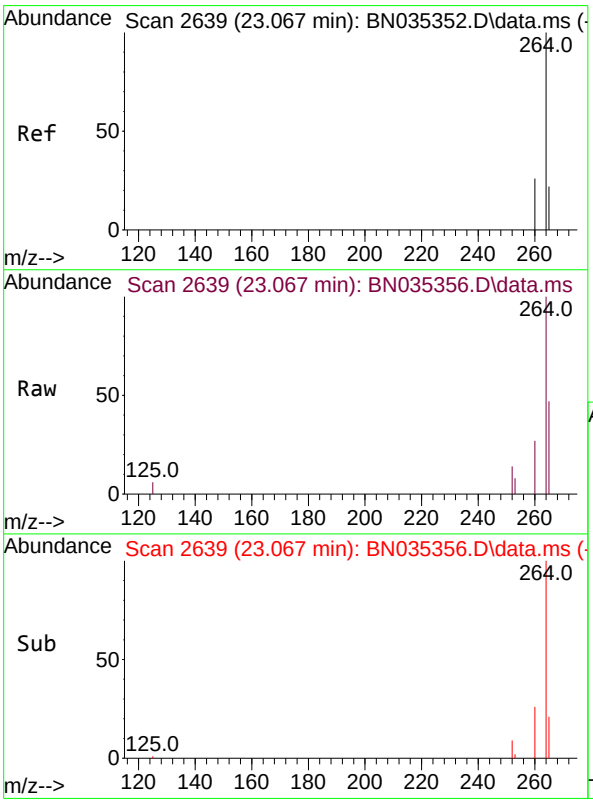
#34
Bis(2-ethylhexyl)phthalate
Concen: 3.721 ng
RT: 20.938 min Scan# 2
Delta R.T. 0.009 min
Lab File: BN035356.D
Acq: 27 Nov 2024 19:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:149 Resp: 78322

Ion	Ratio	Lower	Upper
149	100		
167	28.1	22.2	33.4
279	3.2	2.7	4.1

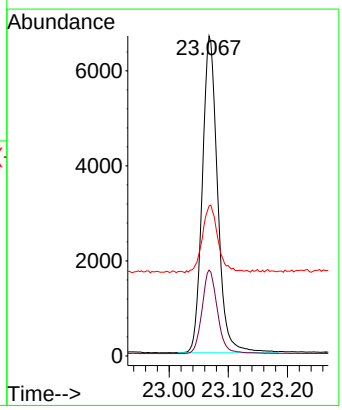


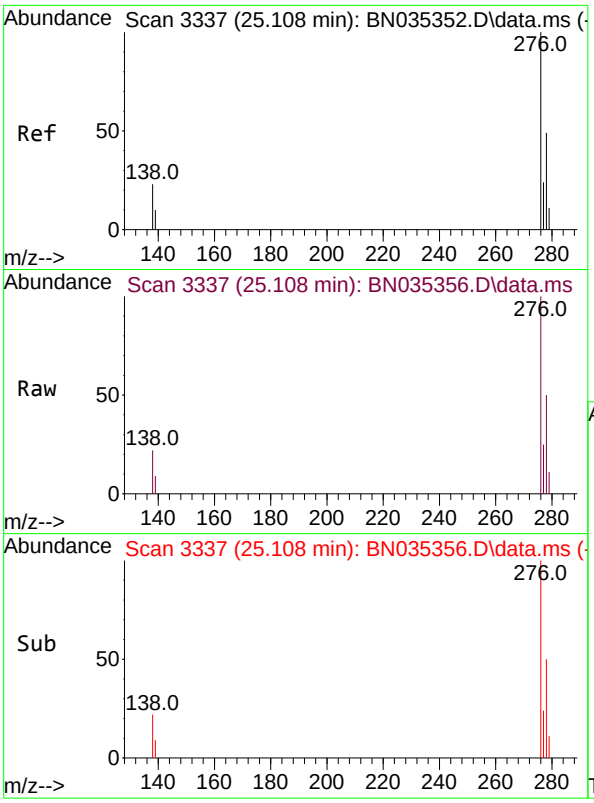


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.067 min Scan# 2639
Delta R.T. 0.000 min
Lab File: BN035356.D
Acq: 27 Nov 2024 19:09

Tgt Ion:264 Resp: 12000

Ion	Ratio	Lower	Upper
264	100		
260	26.9	21.4	32.2
265	46.8	40.2	60.4



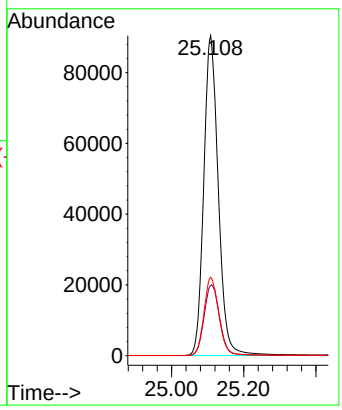


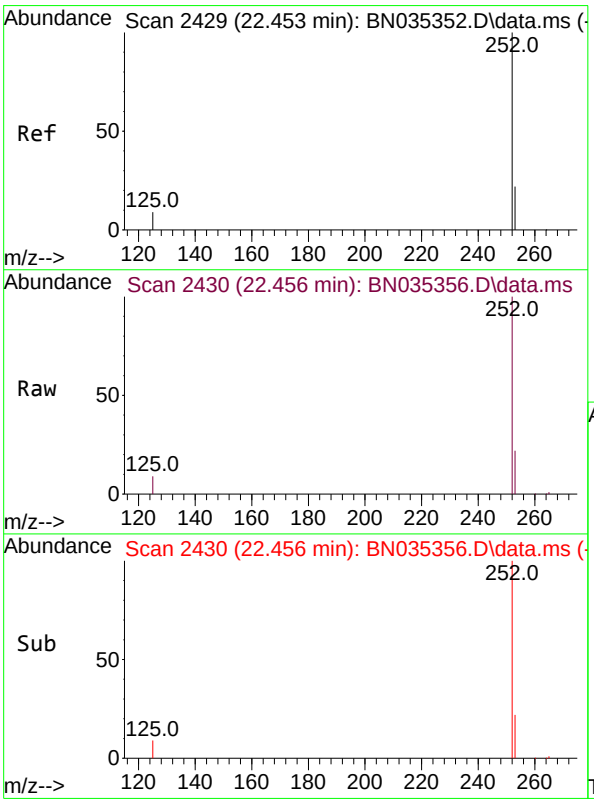
#36
Indeno(1,2,3-cd)pyrene
Concen: 5.279 ng
RT: 25.108 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN035356.D
Acq: 27 Nov 2024 19:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:276 Resp: 252709

Ion	Ratio	Lower	Upper
276	100		
138	23.7	19.4	29.0
277	25.0	19.8	29.6

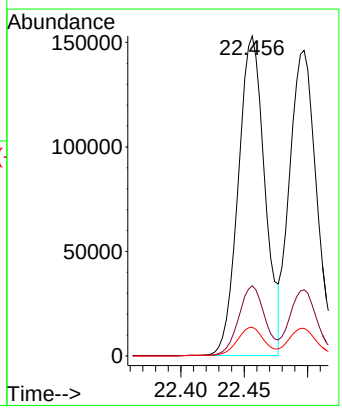


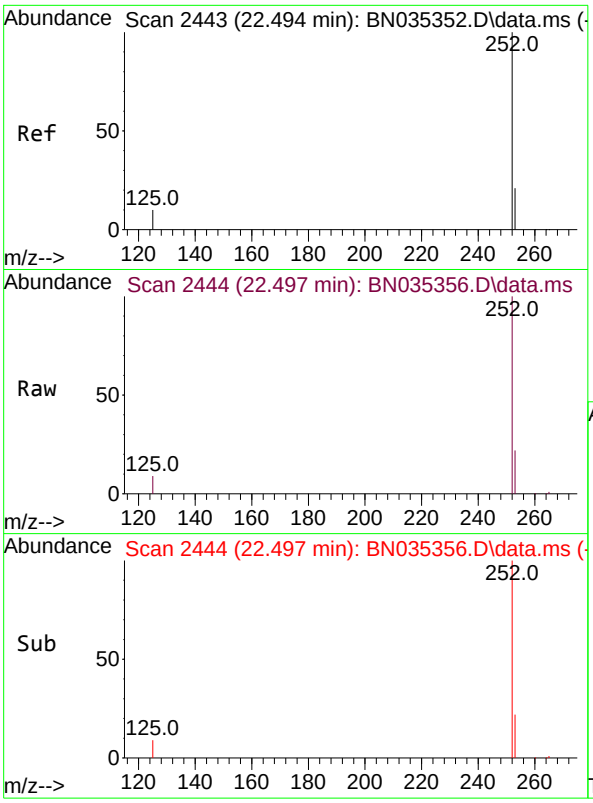


#37
Benzo(b)fluoranthene
Concen: 5.974 ng
RT: 22.456 min Scan# 2430
Delta R.T. 0.003 min
Lab File: BN035356.D
Acq: 27 Nov 2024 19:09

Tgt Ion:252 Resp: 241201

Ion	Ratio	Lower	Upper
252	100		
253	22.0	19.6	29.4
125	9.0	9.6	14.4#



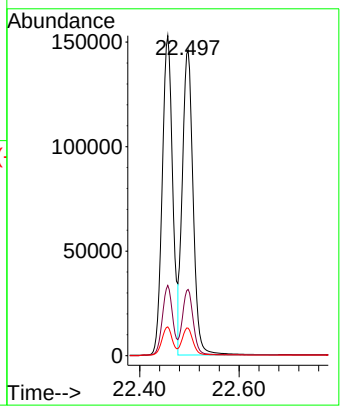


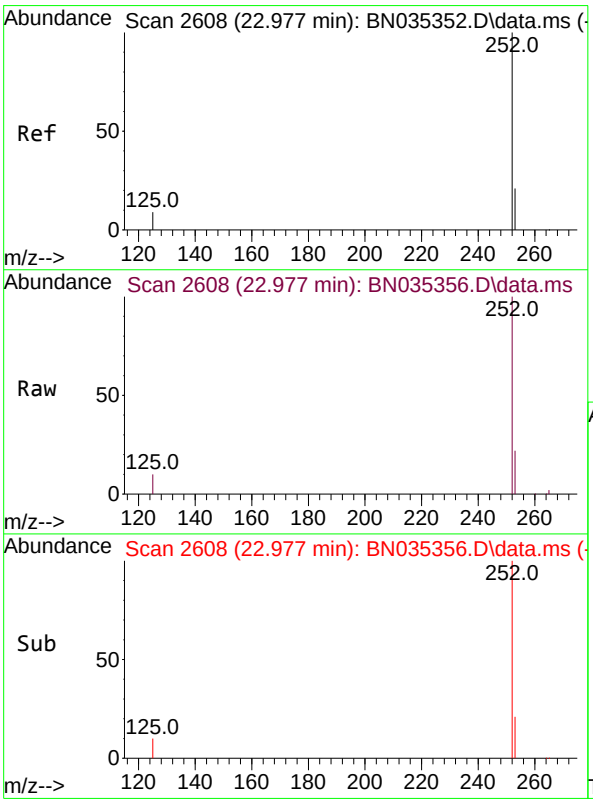
#38
Benzo(k)fluoranthene
Concen: 5.449 ng
RT: 22.497 min Scan# 24
Delta R.T. 0.003 min
Lab File: BN035356.D
Acq: 27 Nov 2024 19:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:252 Resp: 220146

Ion	Ratio	Lower	Upper
252	100		
253	21.7	19.5	29.3
125	9.0	10.2	15.4#

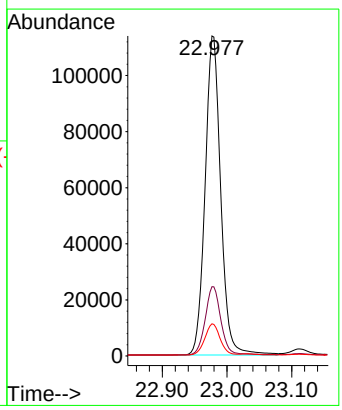


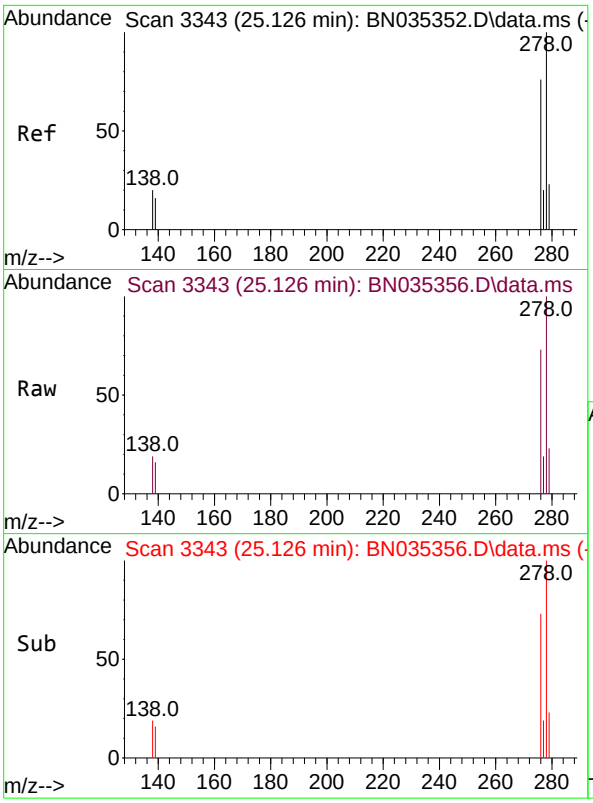


#39
Benzo(a)pyrene
Concen: 5.367 ng
RT: 22.977 min Scan# 2608
Delta R.T. 0.000 min
Lab File: BN035356.D
Acq: 27 Nov 2024 19:09

Tgt Ion:252 Resp: 190665

Ion	Ratio	Lower	Upper
252	100		
253	21.6	20.2	30.4
125	10.0	10.9	16.3#



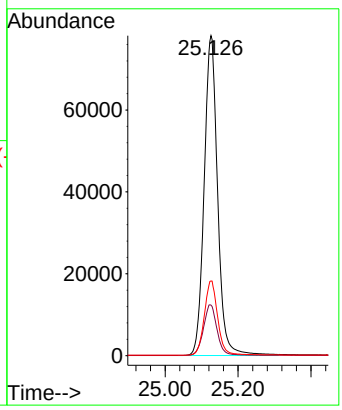


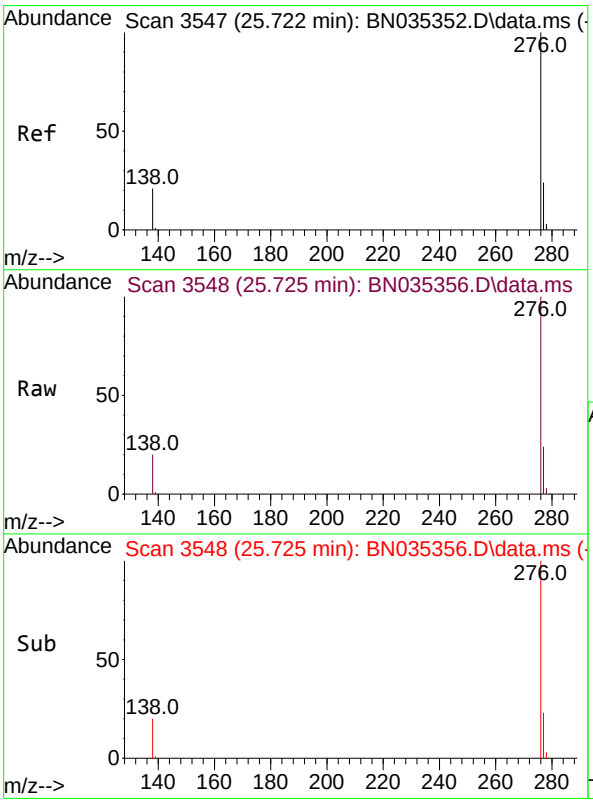
#40
Dibenzo(a,h)anthracene
Concen: 5.269 ng
RT: 25.126 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN035356.D
Acq: 27 Nov 2024 19:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:278 Resp: 199852

Ion	Ratio	Lower	Upper
278	100		
139	15.8	14.2	21.4
279	23.3	20.5	30.7

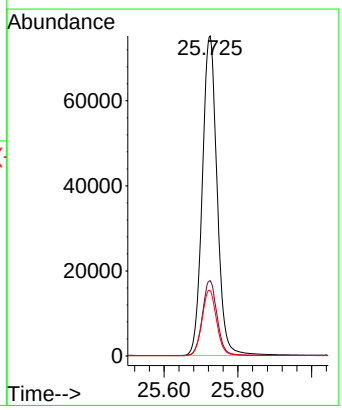




#41
Benzo(g,h,i)perylene
Concen: 5.183 ng
RT: 25.725 min Scan# 3548
Delta R.T. 0.003 min
Lab File: BN035356.D
Acq: 27 Nov 2024 19:09

Tgt Ion:276 Resp: 209119

Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.9	29.9
138	20.4	17.8	26.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
Data File : BN035357.D
Acq On : 27 Nov 2024 20:21
Operator : RC/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
ICVBN112724

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 12/03/2024

Quant Time: Nov 27 23:06:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 27 23:03:24 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.308	152	1540	0.400	ng	0.00
7) Naphthalene-d8	10.052	136	3904	0.400	ng	0.00
13) Acenaphthene-d10	13.967	164	2879	0.400	ng	0.00
19) Phenanthrene-d10	16.723	188	7350	0.400	ng	#-0.01
29) Chrysene-d12	20.974	240	7576	0.400	ng	0.00
35) Perylene-d12	23.067	264	8338	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.968	112	1280	0.332	ng	0.00
5) Phenol-d6	6.513	99	1437	0.310	ng	0.00
8) Nitrobenzene-d5	8.440	82	938m	0.393	ng	0.00
11) 2-Methylnaphthalene-d10	11.656	152	2565	0.420	ng	0.00
14) 2,4,6-Tribromophenol	15.475	330	617	0.302	ng	0.00
15) 2-Fluorobiphenyl	12.574	172	4647	0.427	ng	0.00
27) Fluoranthene-d10	18.785	212	8415	0.404	ng	0.00
31) Terphenyl-d14	19.412	244	6272	0.420	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.003	88	684	0.465	ng	99
3) n-Nitrosodimethylamine	3.299	42	495	0.404	ng	# 88
6) bis(2-Chloroethyl)ether	6.759	93	1676	0.430	ng	99
9) Naphthalene	10.105	128	4364	0.424	ng	99
10) Hexachlorobutadiene	10.404	225	1005	0.423	ng	# 100
12) 2-Methylnaphthalene	11.732	142	3157	0.428	ng	98
16) Acenaphthylene	13.679	152	5261	0.435	ng	100
17) Acenaphthene	14.031	154	3421	0.426	ng	99
18) Fluorene	15.026	166	4825	0.420	ng	99
20) 4,6-Dinitro-2-methylph...	15.132	198	263	0.364	ng	# 86
21) 4-Bromophenyl-phenylether	15.941	248	1742	0.405	ng	99
22) Hexachlorobenzene	16.040	284	2151	0.426	ng	99
23) Atrazine	16.227	200	1227	0.401	ng	99
24) Pentachlorophenol	16.400	266	662	0.301	ng	# 83
25) Phenanthrene	16.773	178	8509	0.421	ng	100
26) Anthracene	16.860	178	7849	0.430	ng	100
28) Fluoranthene	18.812	202	10941	0.402	ng	100
30) Pyrene	19.179	202	11476	0.410	ng	100
32) Benzo(a)anthracene	20.956	228	10934	0.413	ng	100
33) Chrysene	21.009	228	11926	0.436	ng	99
34) Bis(2-ethylhexyl)phtha...	20.929	149	4016	0.384	ng	100
36) Indeno(1,2,3-cd)pyrene	25.105	276	14433	0.443	ng	99
37) Benzo(b)fluoranthene	22.453	252	12988	0.426	ng	99
38) Benzo(k)fluoranthene	22.494	252	12669	0.422	ng	99
39) Benzo(a)pyrene	22.974	252	11094	0.442	ng	99
40) Dibenzo(a,h)anthracene	25.123	278	11141	0.433	ng	100
41) Benzo(g,h,i)perylene	25.722	276	10870	0.404	ng	99

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

ICAL Form

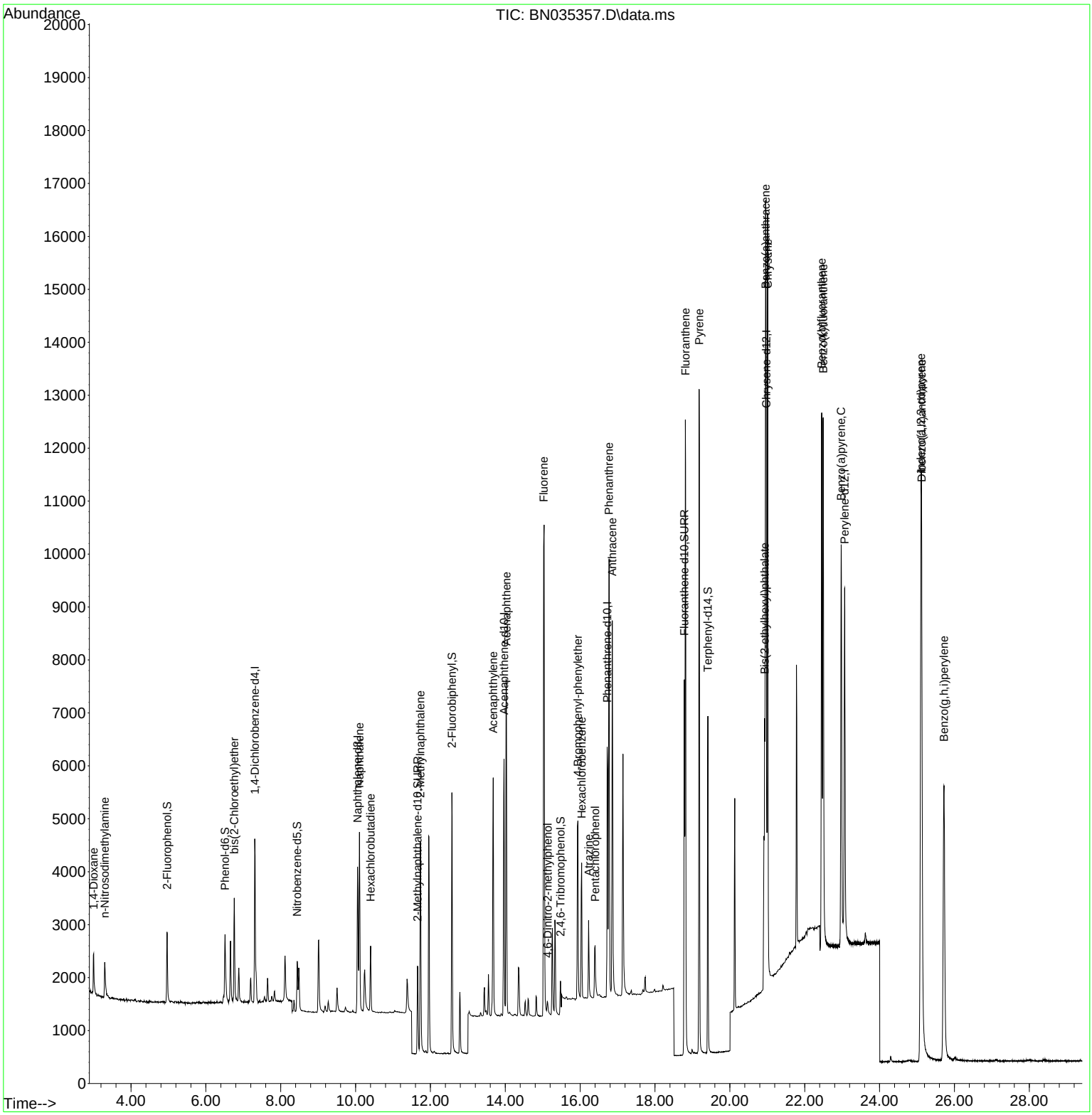
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
Data File : BN035357.D
Acq On : 27 Nov 2024 20:21
Operator : RC/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 10 Sample Multiplier: 1

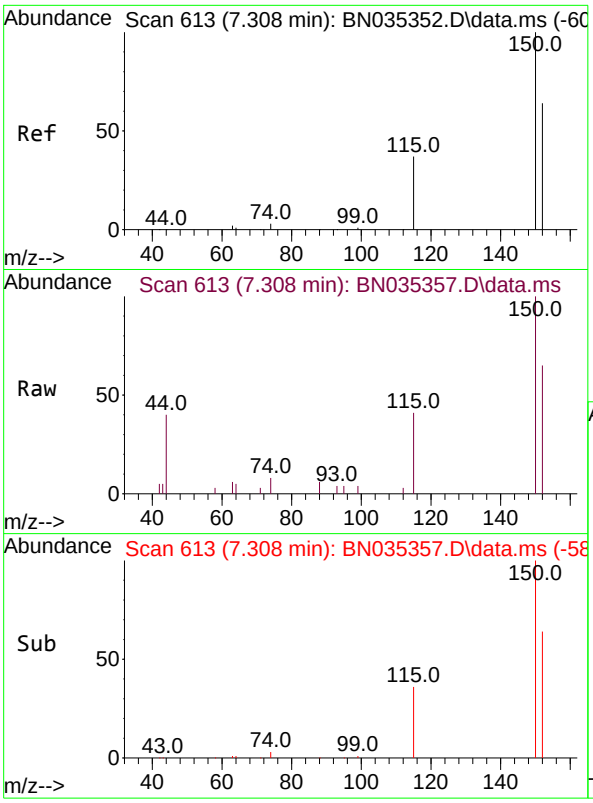
Quant Time: Nov 27 23:06:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 27 23:03:24 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
ICVBN112724

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 12/03/2024

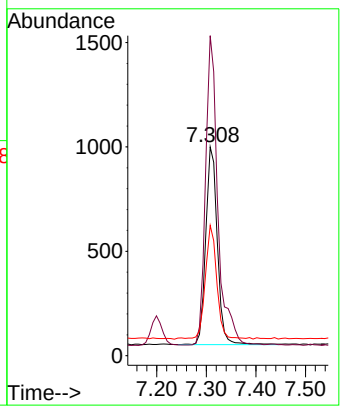




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.308 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Tgt Ion:152 Resp: 154

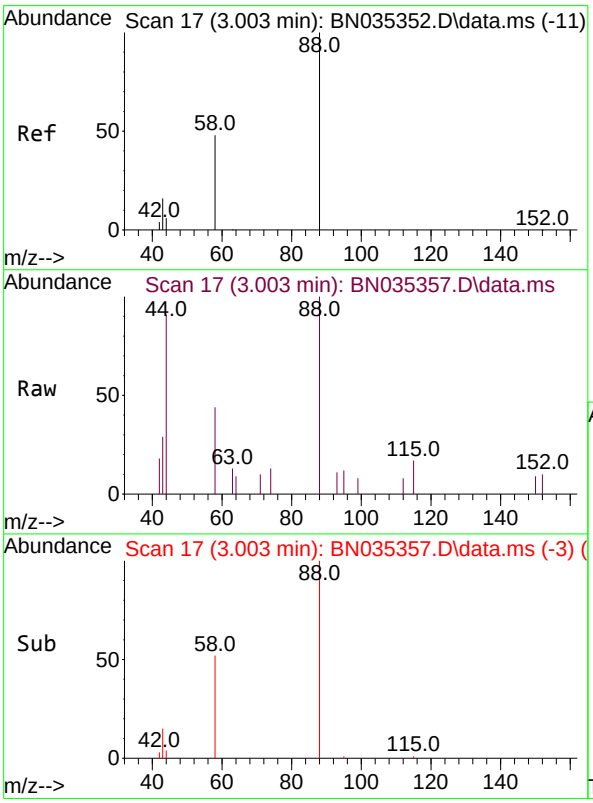
Ion	Ratio	Lower	Upper
152	100		
150	153.3	124.0	186.0
115	62.4	49.6	74.4



Instrument :
BNA_N
ClientSampleId :
ICVBN112724

Manual Integrations
APPROVED

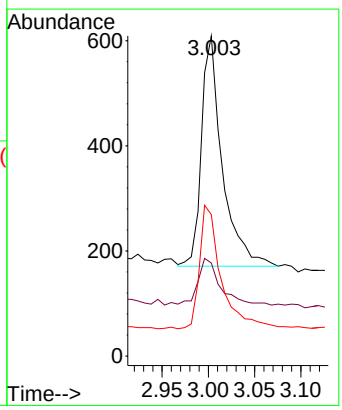
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 12/03/2024

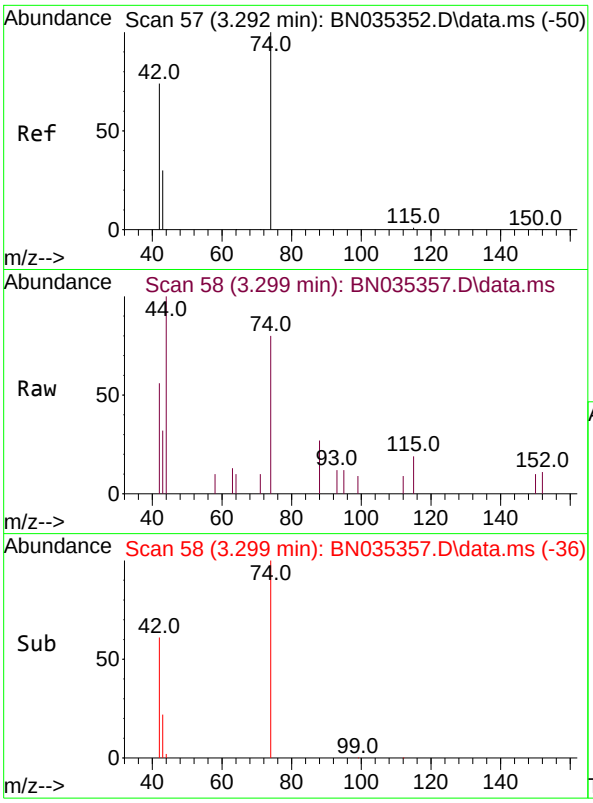


#2
1,4-Dioxane
Concen: 0.465 ng
RT: 3.003 min Scan# 17
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Tgt Ion: 88 Resp: 684

Ion	Ratio	Lower	Upper
88	100		
43	21.8	17.2	25.8
58	56.0	44.5	66.7

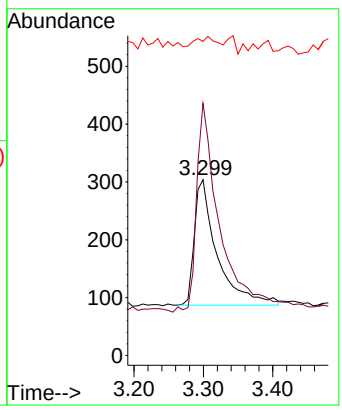




#3
n-Nitrosodimethylamine
Concen: 0.404 ng
RT: 3.299 min Scan# 5
Delta R.T. 0.007 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Tgt Ion: 42 Resp: 49

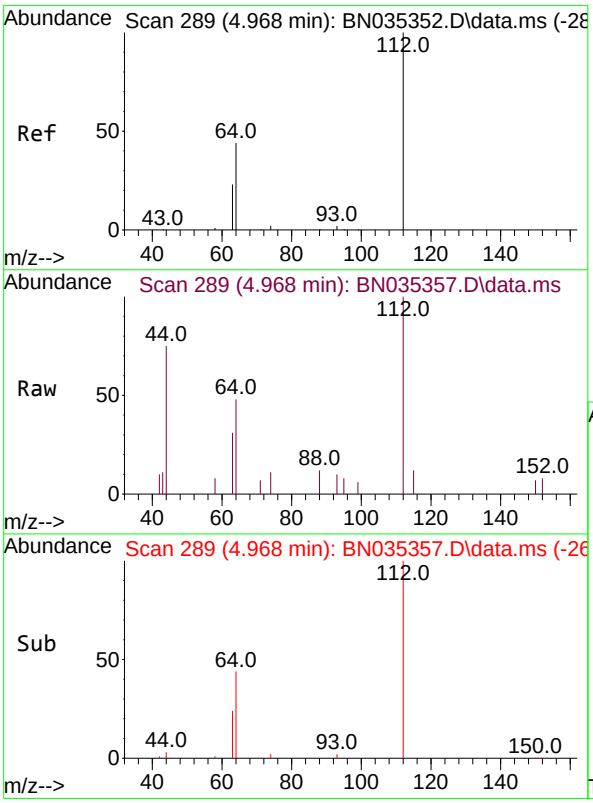
Ion	Ratio	Lower	Upper
42	100		
74	172.1	124.9	187.3
44	6.3	2.2	3.4



Instrument :
BNA_N
ClientSampleId :
ICVBN112724

Manual Integrations APPROVED

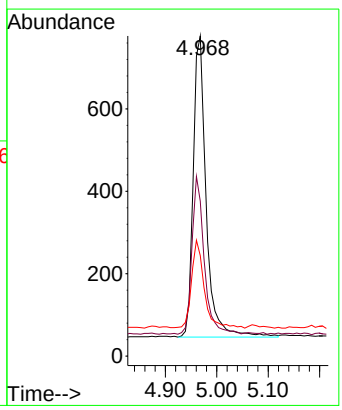
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 12/03/2024

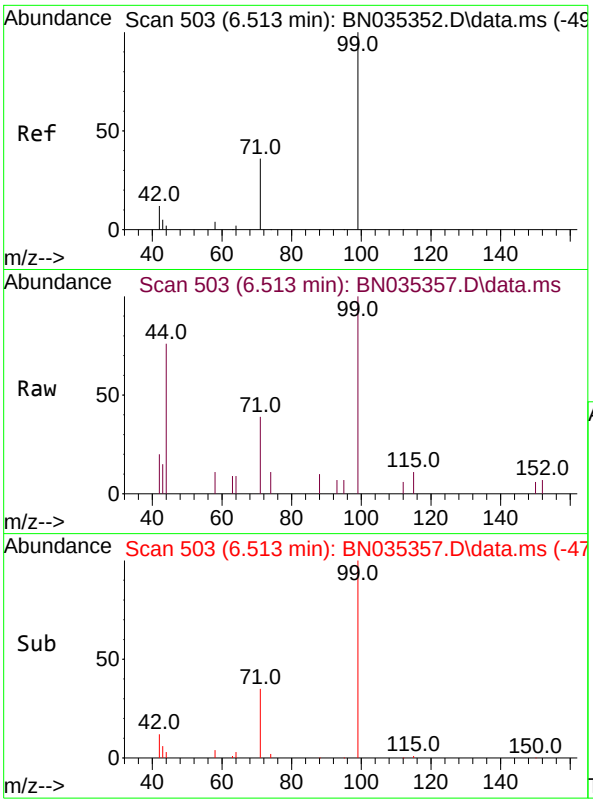


#4
2-Fluorophenol
Concen: 0.332 ng
RT: 4.968 min Scan# 289
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Tgt Ion:112 Resp: 1280

Ion	Ratio	Lower	Upper
112	100		
64	49.0	39.8	59.8
63	28.4	21.0	31.6

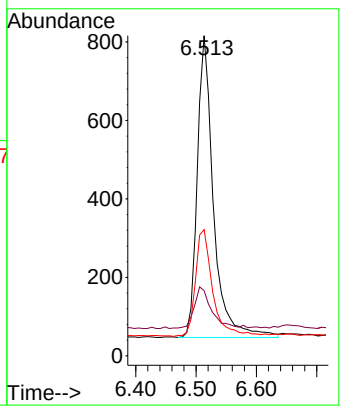




#5
Phenol-d6
Concen: 0.310 ng
RT: 6.513 min Scan# 5(
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Tgt Ion: 99 Resp: 143

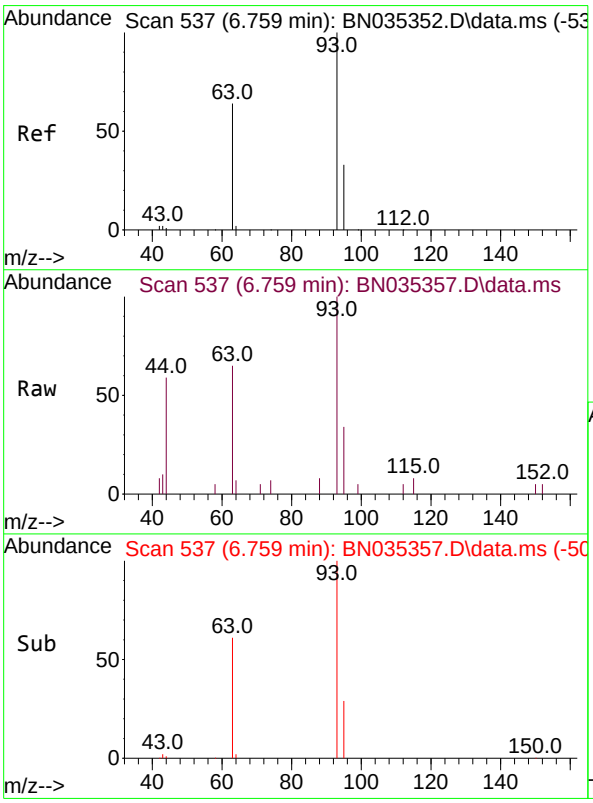
Ion	Ratio	Lower	Upper
99	100		
42	13.9	11.4	17.2
71	37.2	29.3	43.9



Instrument :
BNA_N
ClientSampleId :
ICVBN112724

Manual Integrations APPROVED

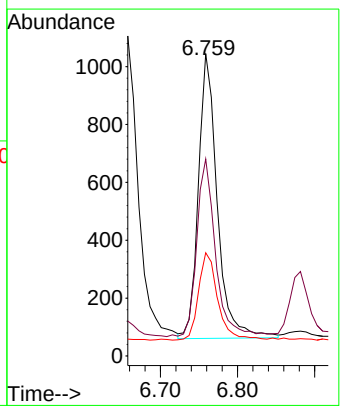
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 12/03/2024

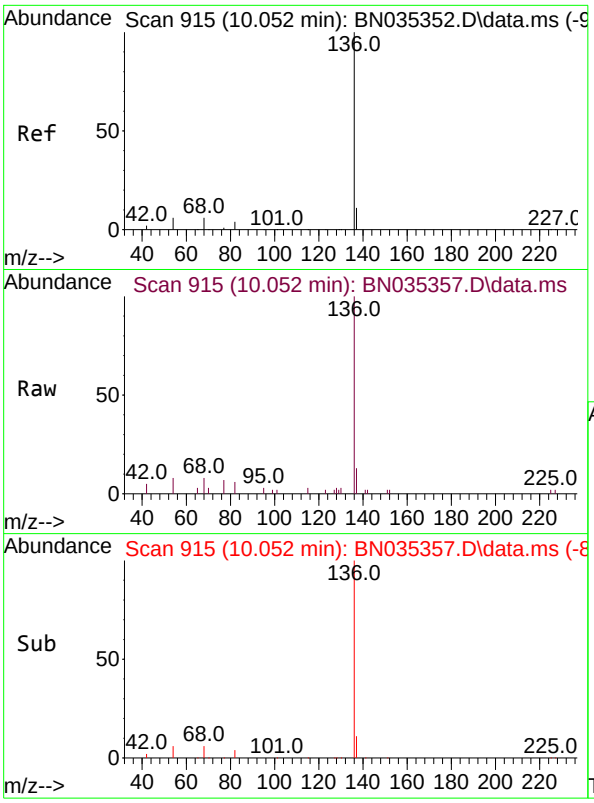


#6
bis(2-Chloroethyl)ether
Concen: 0.430 ng
RT: 6.759 min Scan# 537
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Tgt Ion: 93 Resp: 1676

Ion	Ratio	Lower	Upper
93	100		
63	62.1	50.4	75.6
95	31.4	25.7	38.5

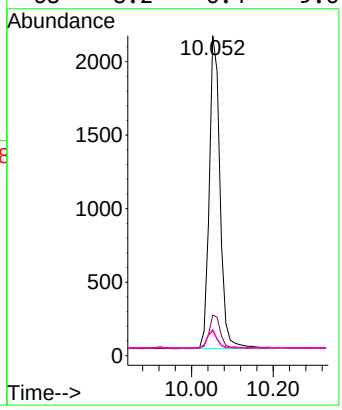




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.052 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Tgt Ion:136 Resp: 390

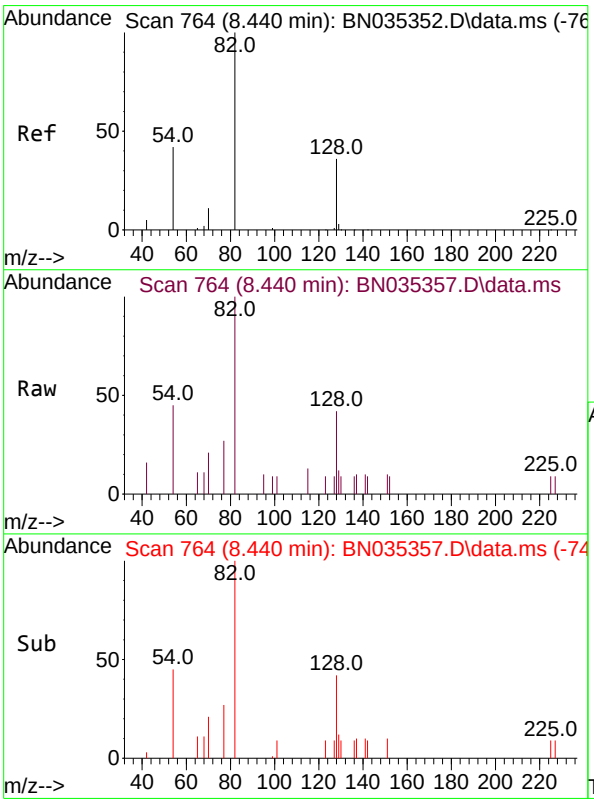
Ion	Ratio	Lower	Upper
136	100		
137	12.7	10.2	15.2
54	7.7	6.1	9.1
68	8.2	6.4	9.6



Instrument :
BNA_N
ClientSampleId :
ICVBN112724

Manual Integrations
APPROVED

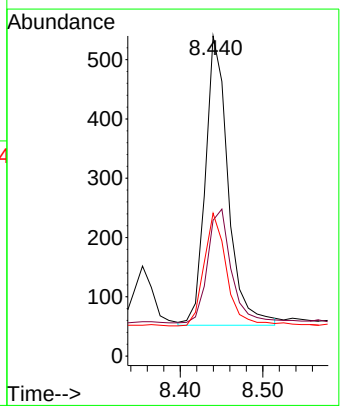
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 12/03/2024

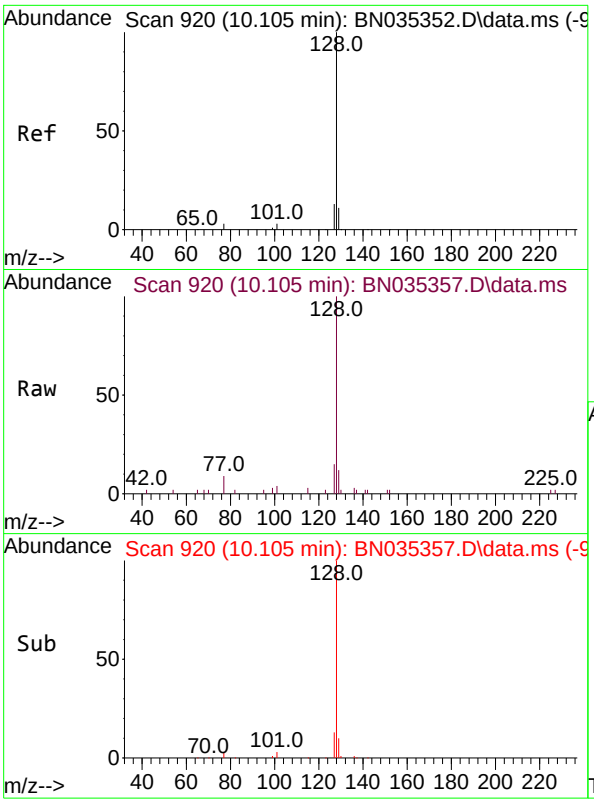


#8
Nitrobenzene-d5
Concen: 0.393 ng m
RT: 8.440 min Scan# 764
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Tgt Ion: 82 Resp: 938

Ion	Ratio	Lower	Upper
82	100		
128	42.4	33.4	50.0
54	44.6	36.7	55.1

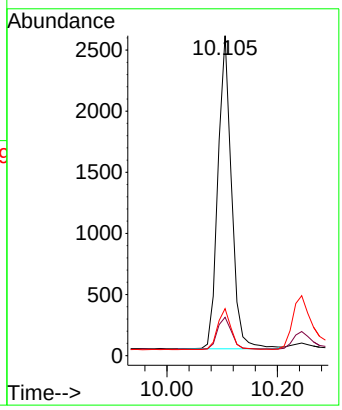




#9
Naphthalene
Concen: 0.424 ng
RT: 10.105 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Tgt Ion:128 Resp: 436

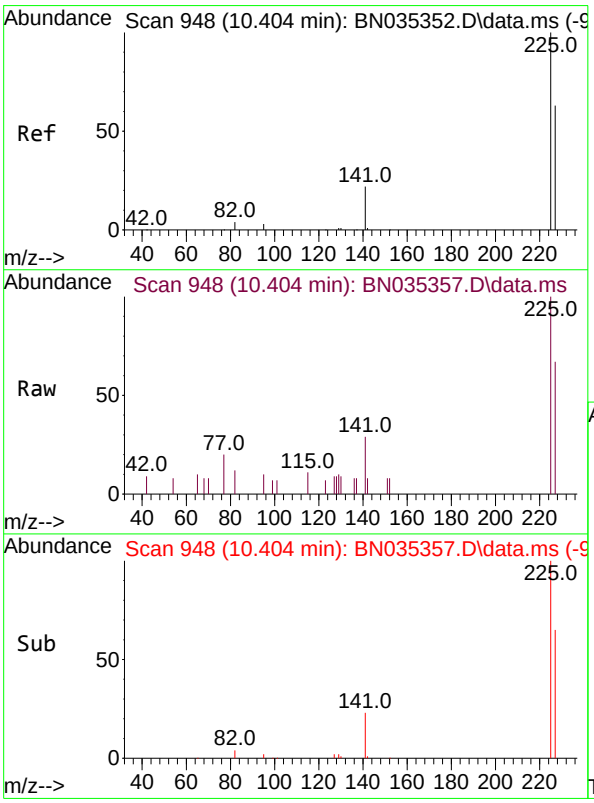
Ion	Ratio	Lower	Upper
128	100		
129	12.0	9.8	14.6
127	14.7	11.4	17.2



Instrument :
BNA_N
ClientSampleId :
ICVBN112724

Manual Integrations APPROVED

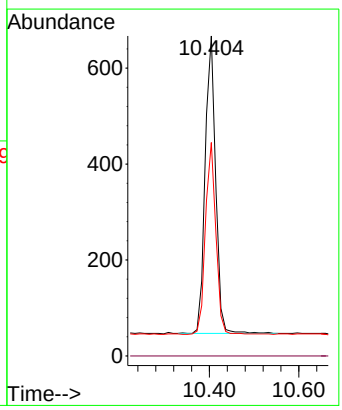
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 12/03/2024

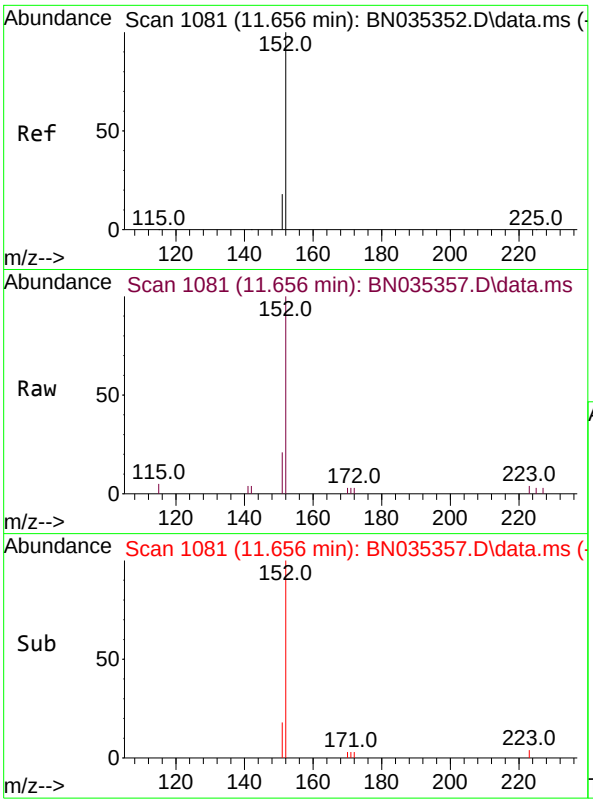


#10
Hexachlorobutadiene
Concen: 0.423 ng
RT: 10.404 min Scan# 948
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Tgt Ion:225 Resp: 1005

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.3	51.3	76.9

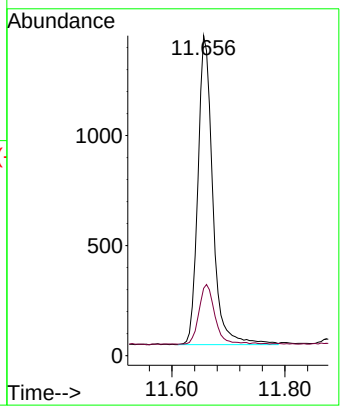




#11
2-Methylnaphthalene-d10
Concen: 0.420 ng
RT: 11.656 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Tgt Ion:152 Resp: 256

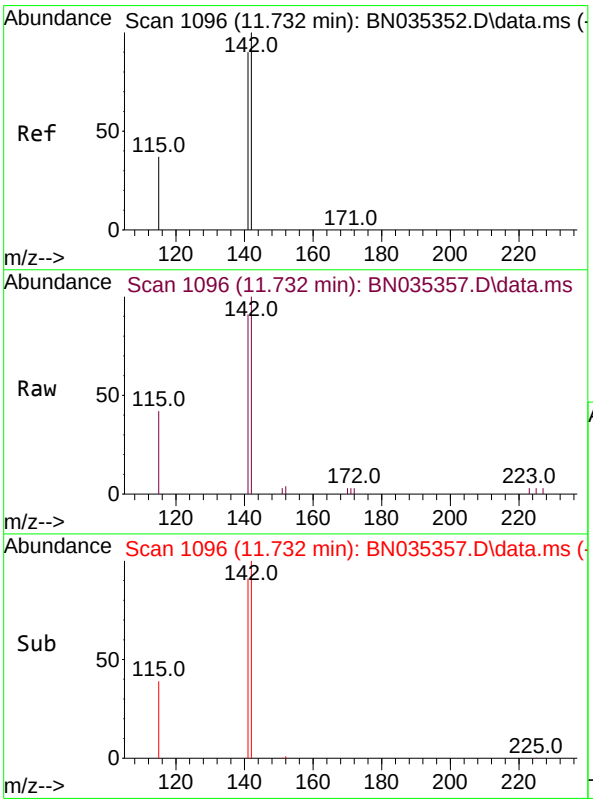
Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.6	25.0



Instrument :
BNA_N
ClientSampleId :
ICVBN112724

Manual Integrations
APPROVED

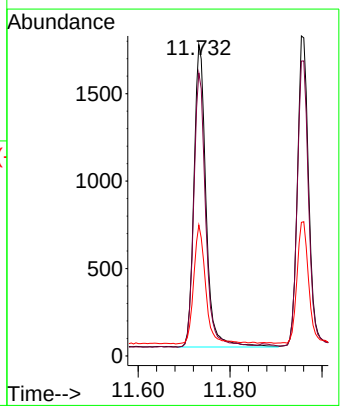
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 12/03/2024

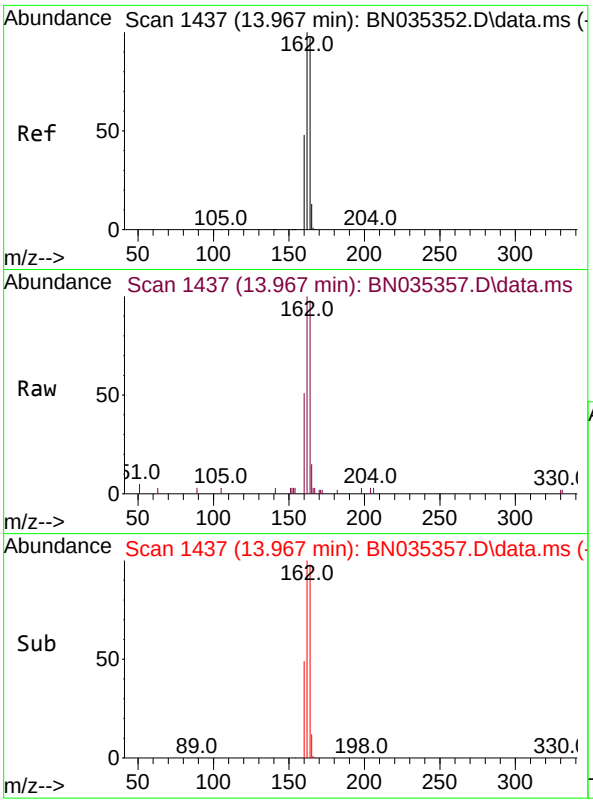


#12
2-Methylnaphthalene
Concen: 0.428 ng
RT: 11.732 min Scan# 1096
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Tgt Ion:142 Resp: 3157

Ion	Ratio	Lower	Upper
142	100		
141	90.9	72.2	108.4
115	42.0	31.4	47.0

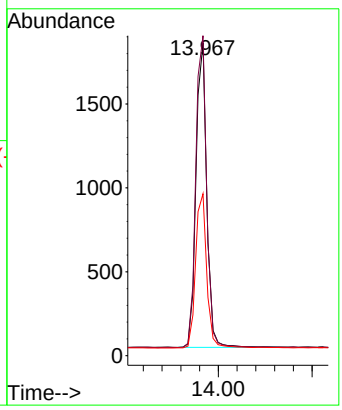




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.967 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Tgt Ion:164 Resp: 287

Ion	Ratio	Lower	Upper
164	100		
162	102.3	82.2	123.2
160	51.8	40.1	60.1



Instrument :
BNA_N
ClientSampleId :
ICVBN112724

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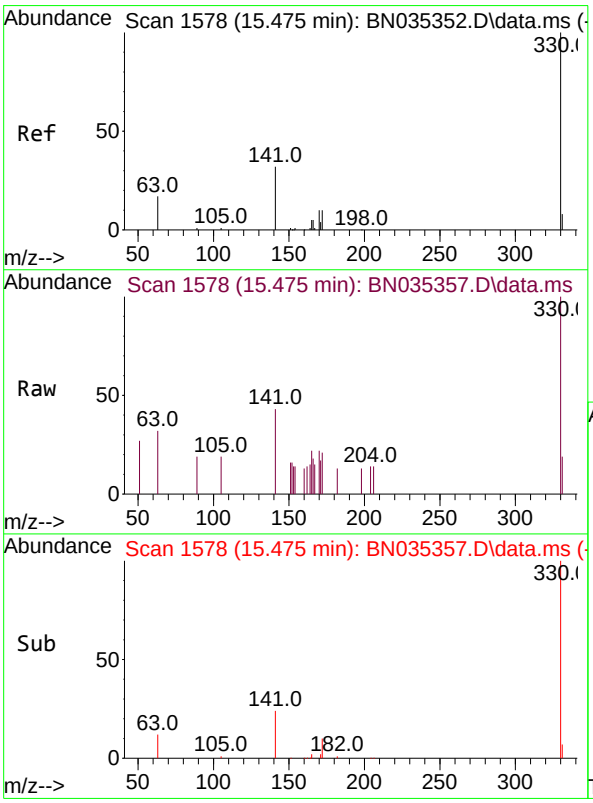
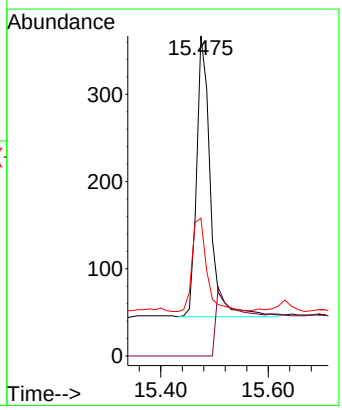
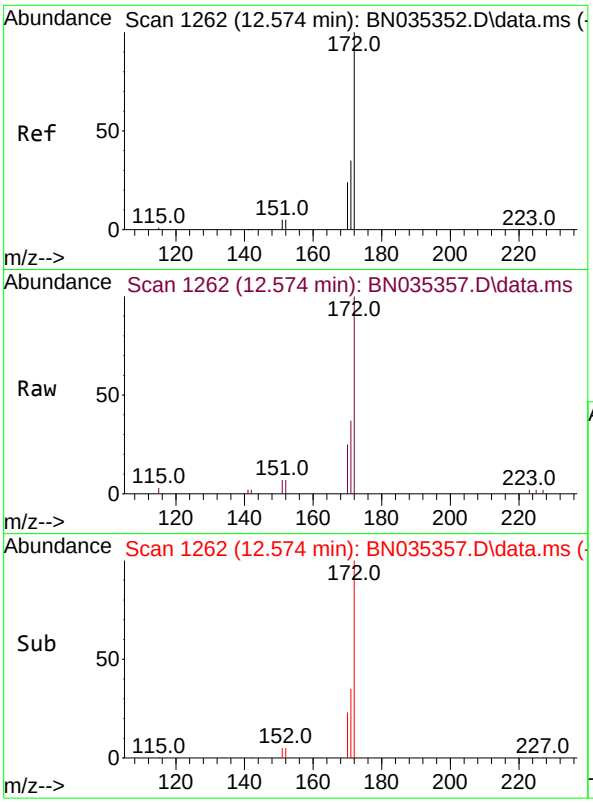


#14
2,4,6-Tribromophenol
Concen: 0.302 ng
RT: 15.475 min Scan# 1578
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Tgt Ion:330 Resp: 617

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	34.7	26.6	40.0

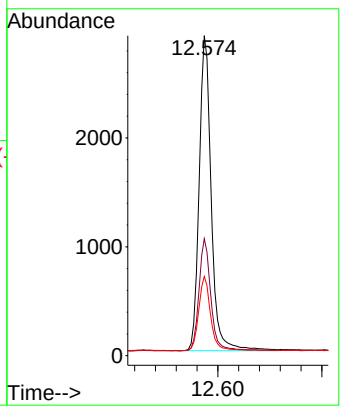




#15
2-Fluorobiphenyl
Concen: 0.427 ng
RT: 12.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Tgt Ion:172 Resp: 464

Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.0	43.4
170	24.7	19.8	29.8



Instrument :
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ClientSampleId :
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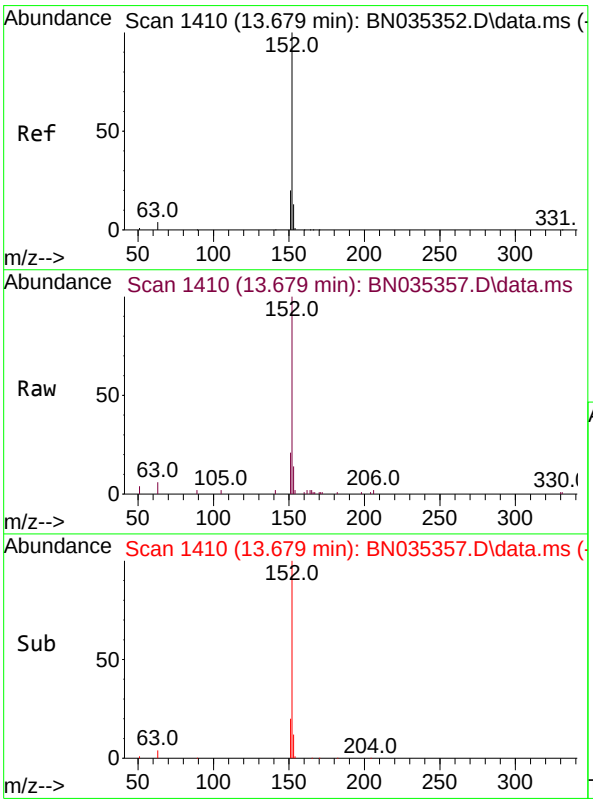
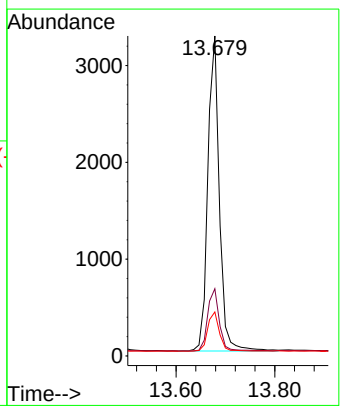
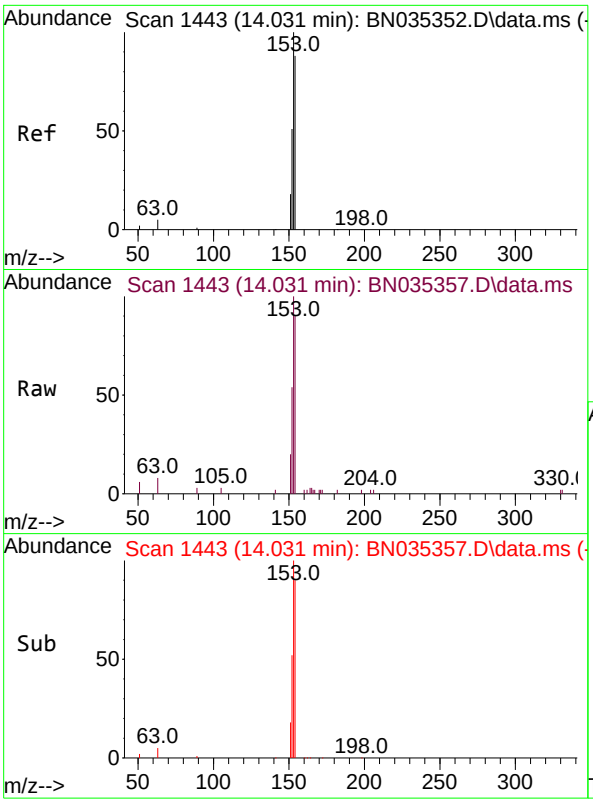


#16
Acenaphthylene
Concen: 0.435 ng
RT: 13.679 min Scan# 1410
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Tgt Ion:152 Resp: 5261

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.2	24.2
153	12.7	10.4	15.6

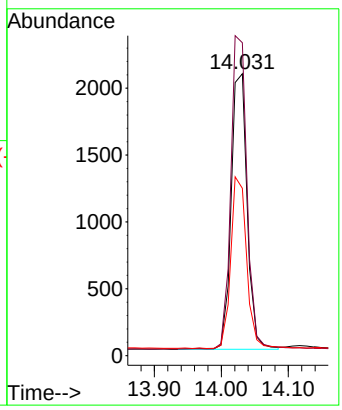




#17
Acenaphthene
Concen: 0.426 ng
RT: 14.031 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Tgt Ion:154 Resp: 342

Ion	Ratio	Lower	Upper
154	100		
153	115.4	92.6	139.0
152	61.9	49.0	73.6



Instrument :
BNA_N
ClientSampleId :
ICVBN112724

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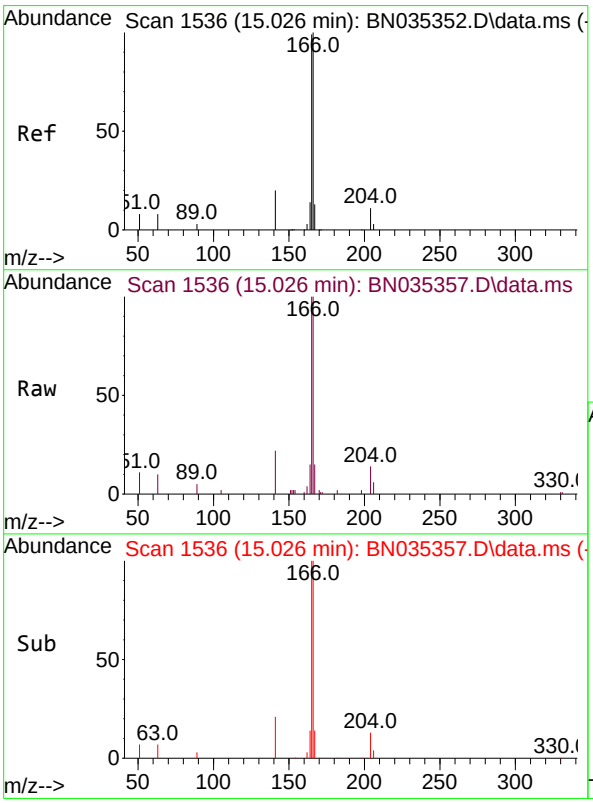
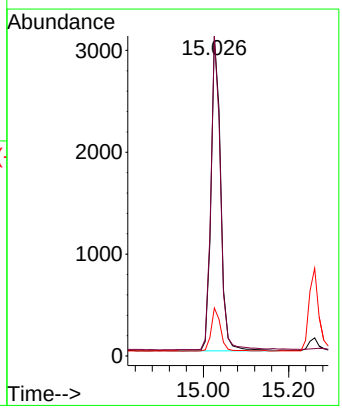
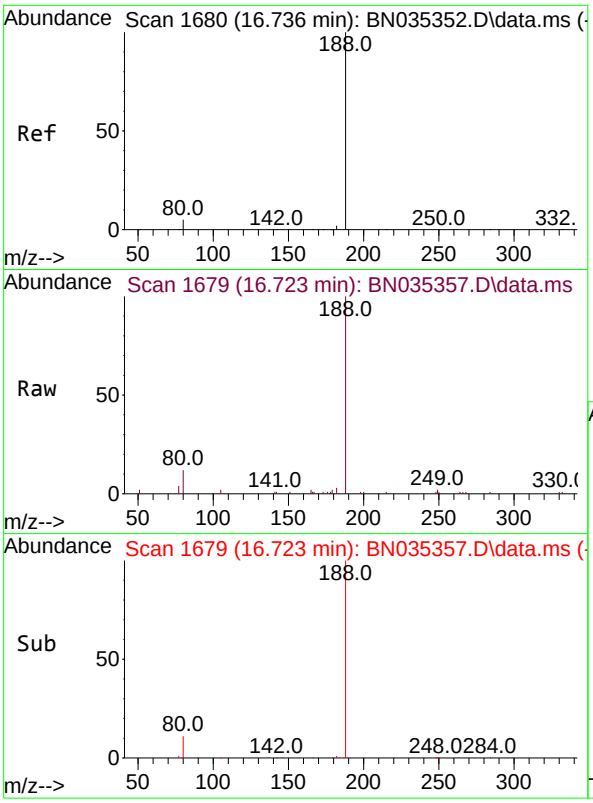


#18
Fluorene
Concen: 0.420 ng
RT: 15.026 min Scan# 1536
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Tgt Ion:166 Resp: 4825

Ion	Ratio	Lower	Upper
166	100		
165	98.4	79.7	119.5
167	13.6	10.8	16.2

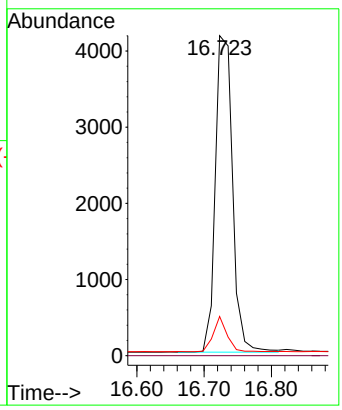




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.723 min Scan# 1(
Delta R.T. -0.012 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Tgt Ion:188 Resp: 735(

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	12.2	4.6	6.8#



Instrument :
BNA_N
ClientSampleId :
ICVBN112724

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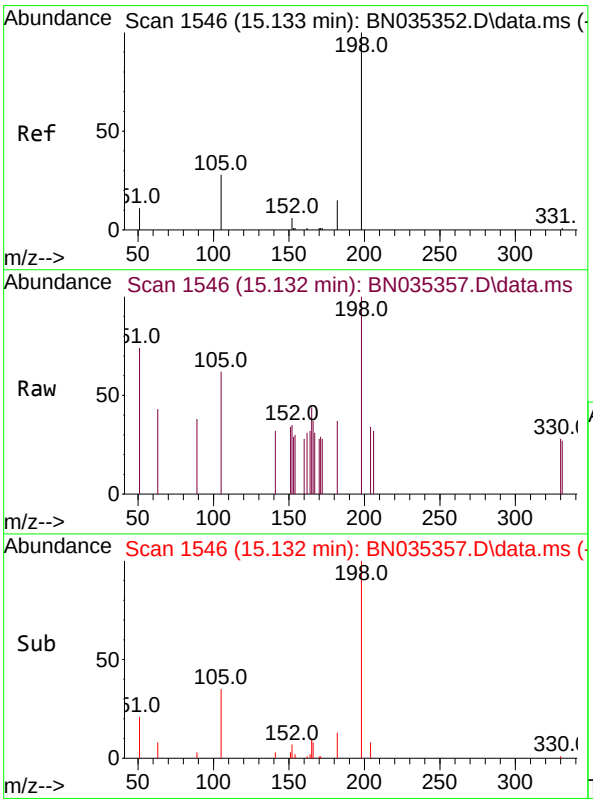
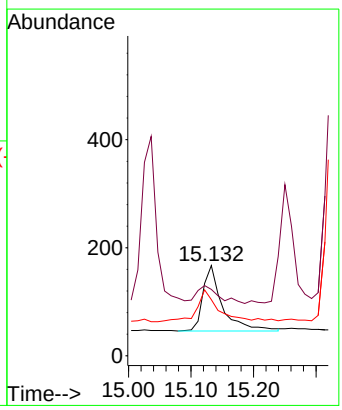
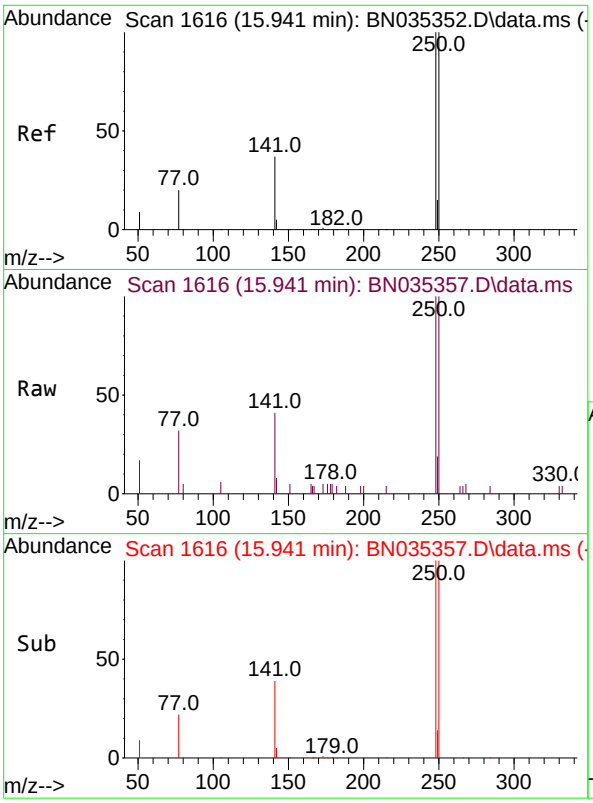


#20
4,6-Dinitro-2-methylphenol
Concen: 0.364 ng
RT: 15.132 min Scan# 1546
Delta R.T. -0.001 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Tgt Ion:198 Resp: 263

Ion	Ratio	Lower	Upper
198	100		
51	73.7	46.5	69.7#
105	62.3	45.3	67.9

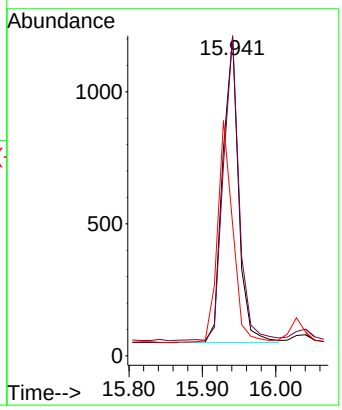




#21
4-Bromophenyl-phenylether
Concen: 0.405 ng
RT: 15.941 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Tgt Ion:248 Resp: 174

Ion	Ratio	Lower	Upper
248	100		
250	100.3	80.6	120.8
141	41.2	31.5	47.3



Instrument :
BNA_N
ClientSampleId :
ICVBN112724

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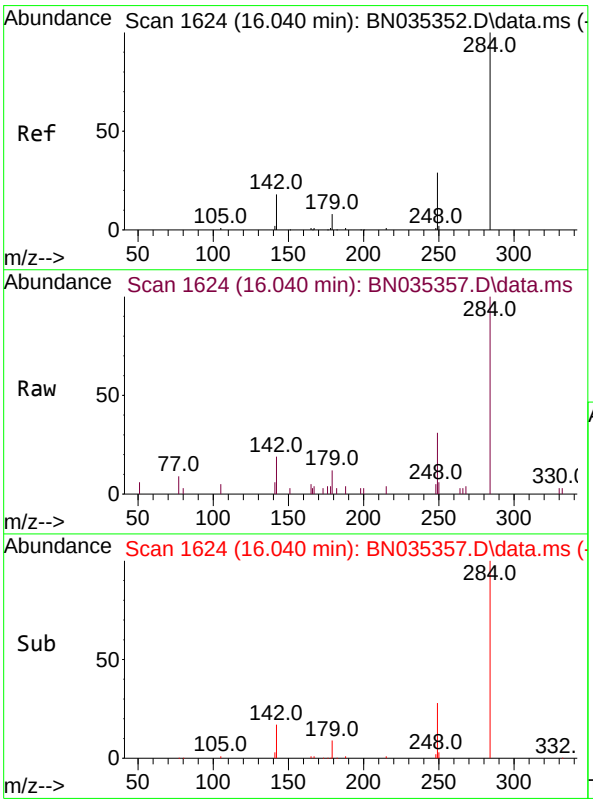
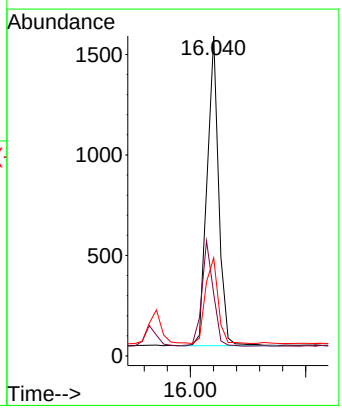
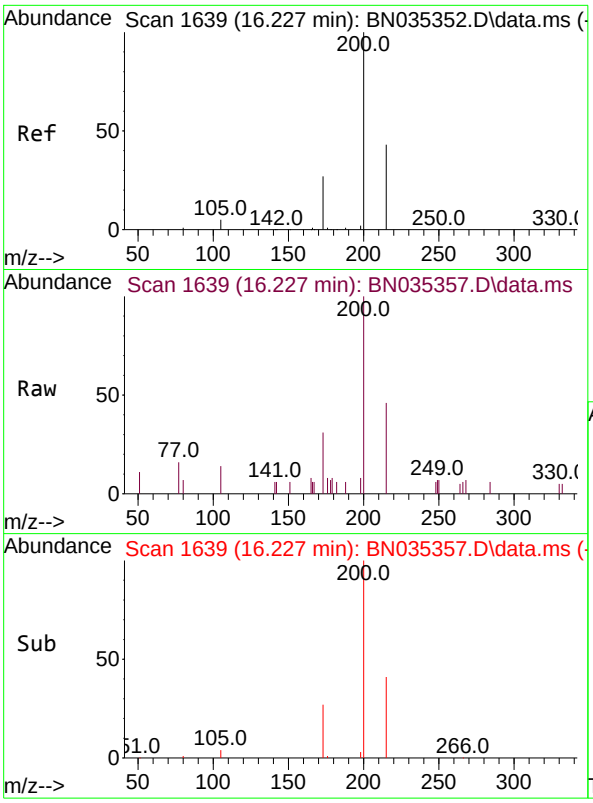


#22
Hexachlorobenzene
Concen: 0.426 ng
RT: 16.040 min Scan# 1624
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Tgt Ion:284 Resp: 2151

Ion	Ratio	Lower	Upper
284	100		
142	33.5	26.7	40.1
249	30.0	24.6	36.8

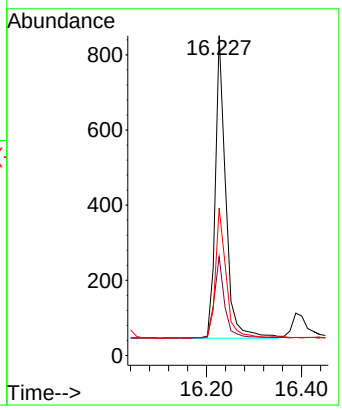




#23
Atrazine
Concen: 0.401 ng
RT: 16.227 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Tgt Ion:200 Resp: 122

Ion	Ratio	Lower	Upper
200	100		
173	30.9	24.1	36.1
215	46.1	36.9	55.3



Instrument :
BNA_N
ClientSampleId :
ICVBN112724

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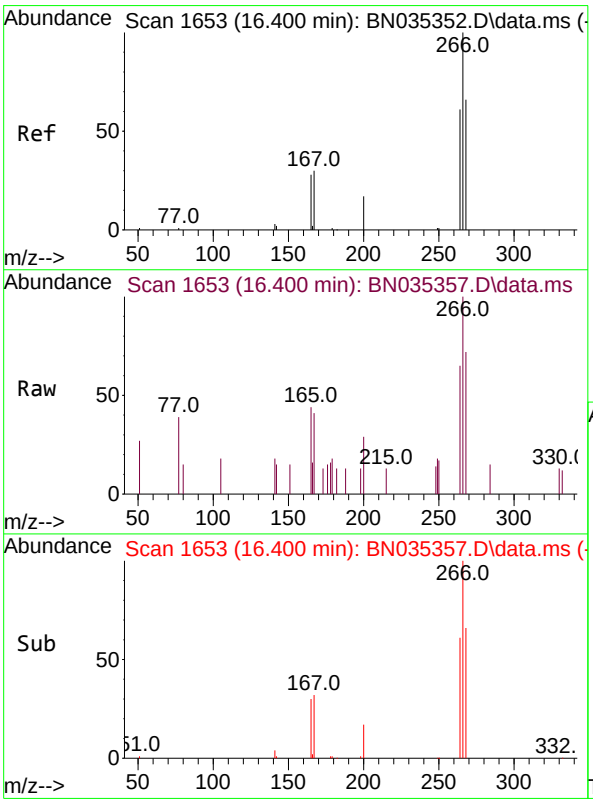
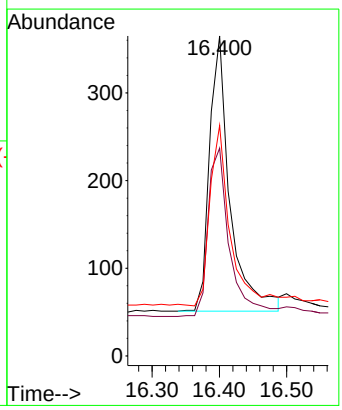
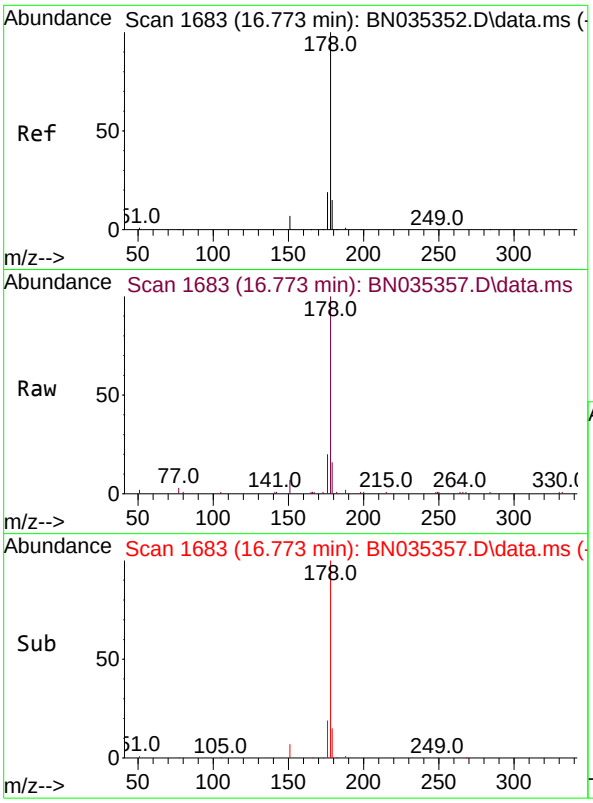


#24
Pentachlorophenol
Concen: 0.301 ng
RT: 16.400 min Scan# 1653
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Tgt Ion:266 Resp: 662

Ion	Ratio	Lower	Upper
266	100		
264	65.0	42.3	63.5#
268	66.8	43.3	64.9#

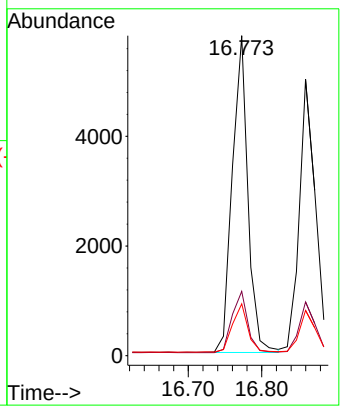




#25
Phenanthrene
Concen: 0.421 ng
RT: 16.773 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Tgt Ion:178 Resp: 850

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.4	23.2
179	15.4	12.3	18.5



Instrument :
BNA_N
ClientSampleId :
ICVBN112724

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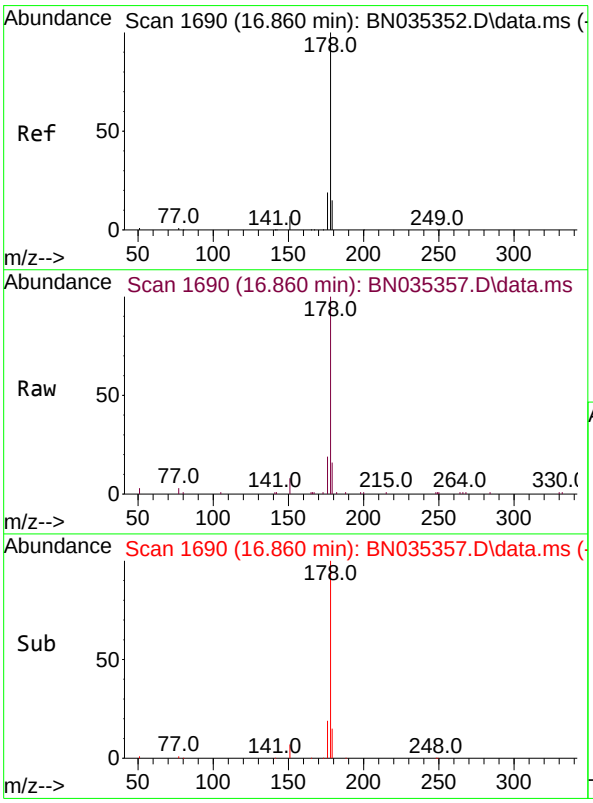
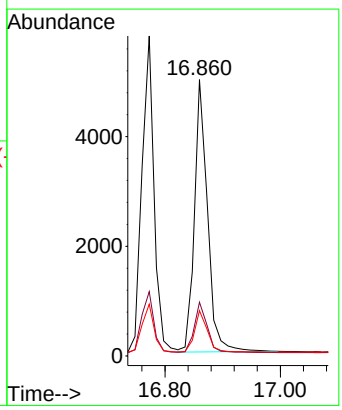
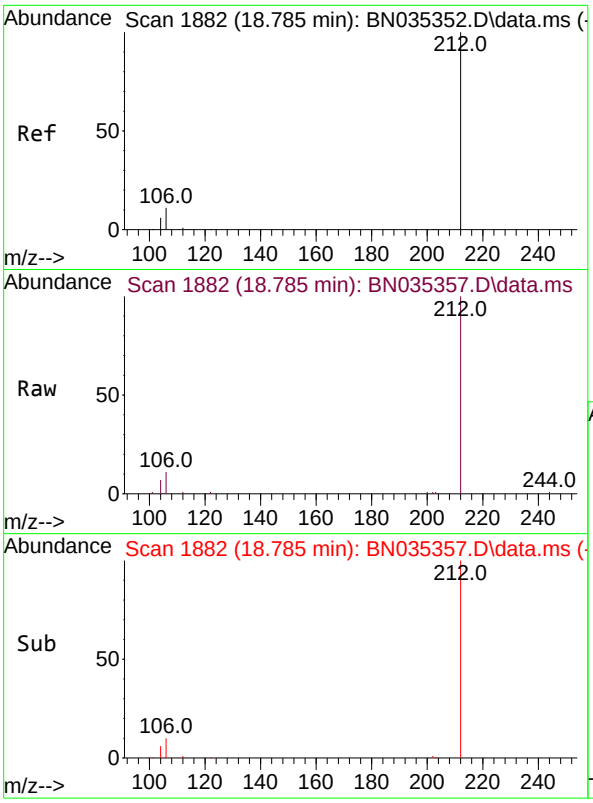


#26
Anthracene
Concen: 0.430 ng
RT: 16.860 min Scan# 1690
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Tgt Ion:178 Resp: 7849

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.6
179	15.3	12.6	18.8

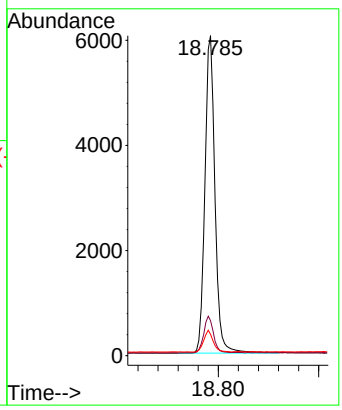




#27
Fluoranthene-d10
Concen: 0.404 ng
RT: 18.785 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Tgt Ion:212 Resp: 841

Ion	Ratio	Lower	Upper
212	100		
106	11.3	9.2	13.8
104	6.4	5.3	7.9



Instrument :
BNA_N
ClientSampleId :
ICVBN112724

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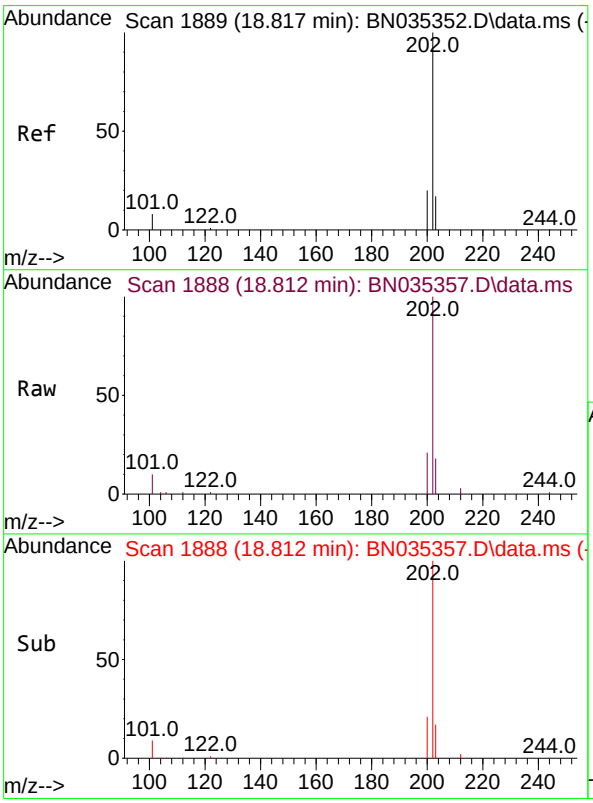
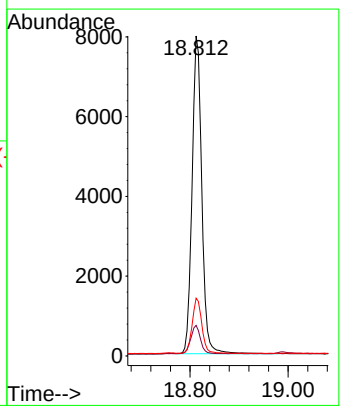
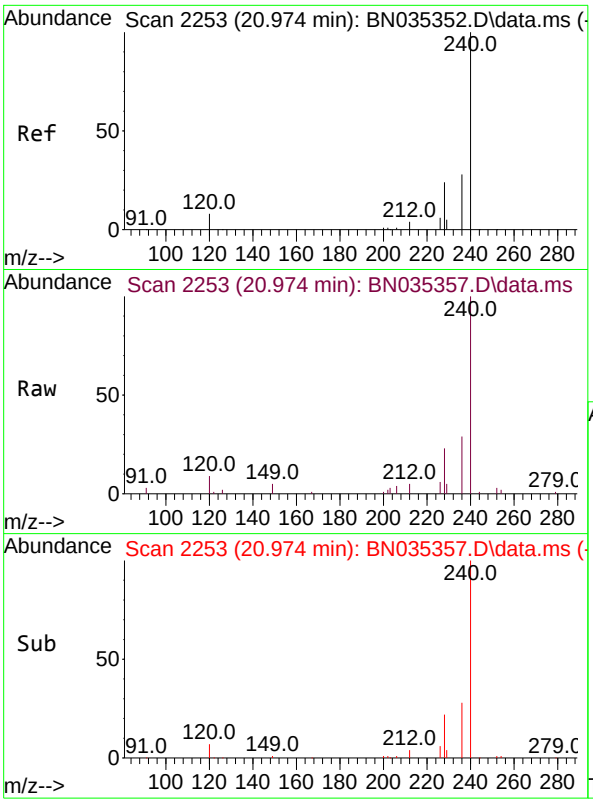


#28
Fluoranthene
Concen: 0.402 ng
RT: 18.812 min Scan# 1888
Delta R.T. -0.005 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Tgt Ion:202 Resp: 10941

Ion	Ratio	Lower	Upper
202	100		
101	9.2	7.4	11.0
203	17.1	13.7	20.5

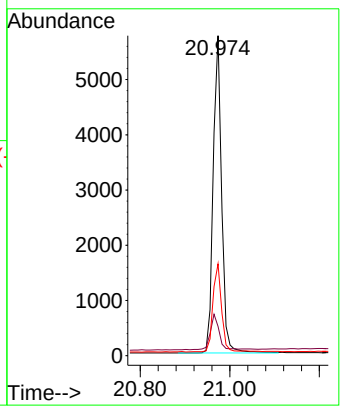




#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.974 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Tgt Ion:240 Resp: 757

Ion	Ratio	Lower	Upper
240	100		
120	9.1	7.9	11.9
236	28.7	22.9	34.3



Instrument :
BNA_N
ClientSampleId :
ICVBN112724

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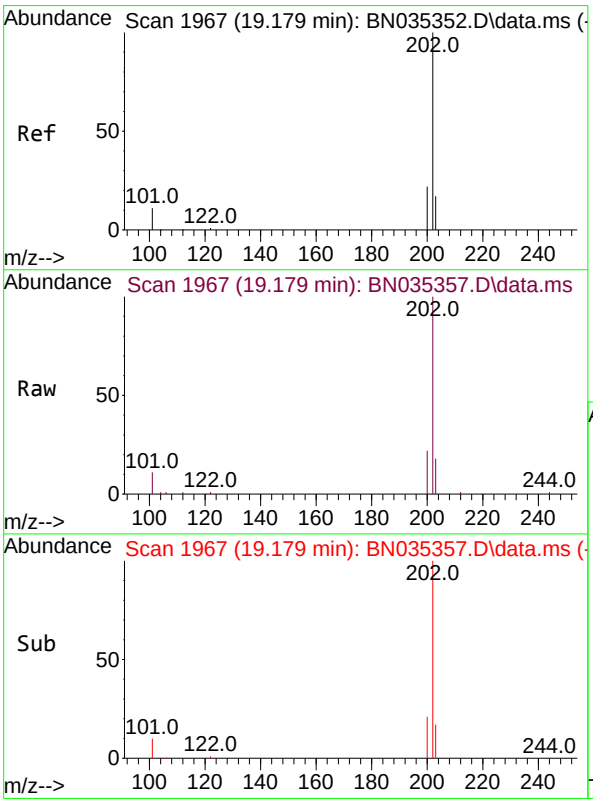
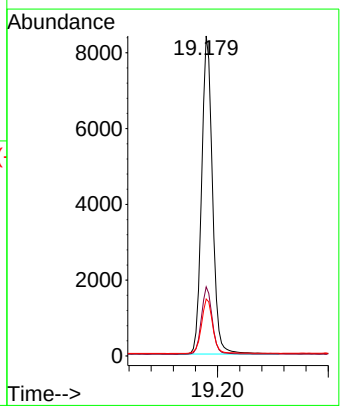
Supervised By :mohammad ahmed 12/03/2024

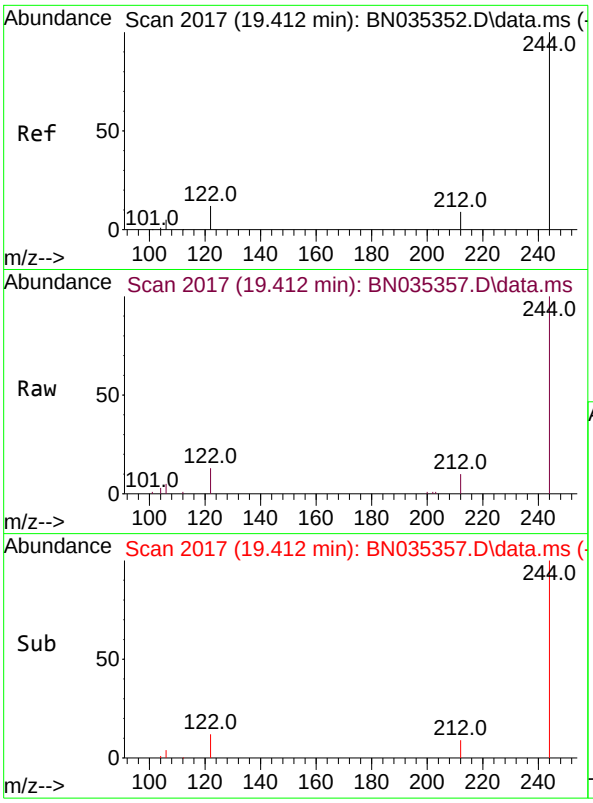


#30
Pyrene
Concen: 0.410 ng
RT: 19.179 min Scan# 1967
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Tgt Ion:202 Resp: 11476

Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.0	25.4
203	17.8	14.3	21.5

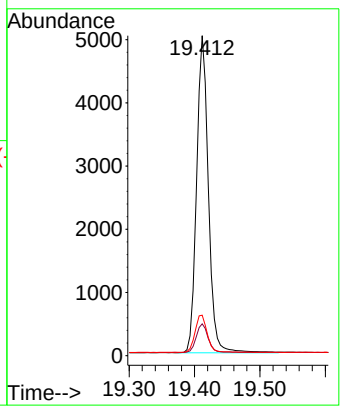




#31
Terphenyl-d14
Concen: 0.420 ng
RT: 19.412 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Tgt Ion:244 Resp: 627

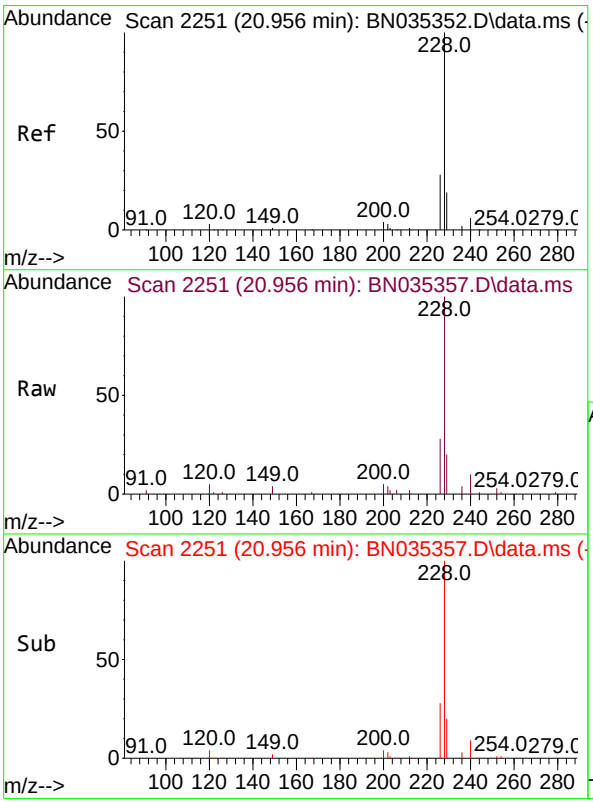
Ion	Ratio	Lower	Upper
244	100		
212	9.9	8.1	12.1
122	12.6	10.3	15.5



Instrument :
BNA_N
ClientSampleId :
ICVBN112724

Manual Integrations APPROVED

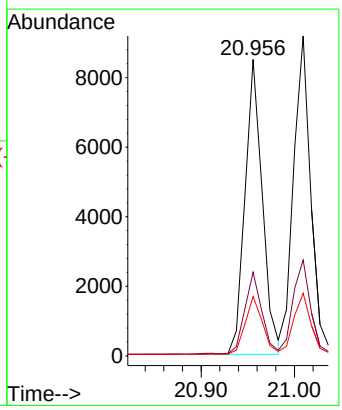
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 12/03/2024

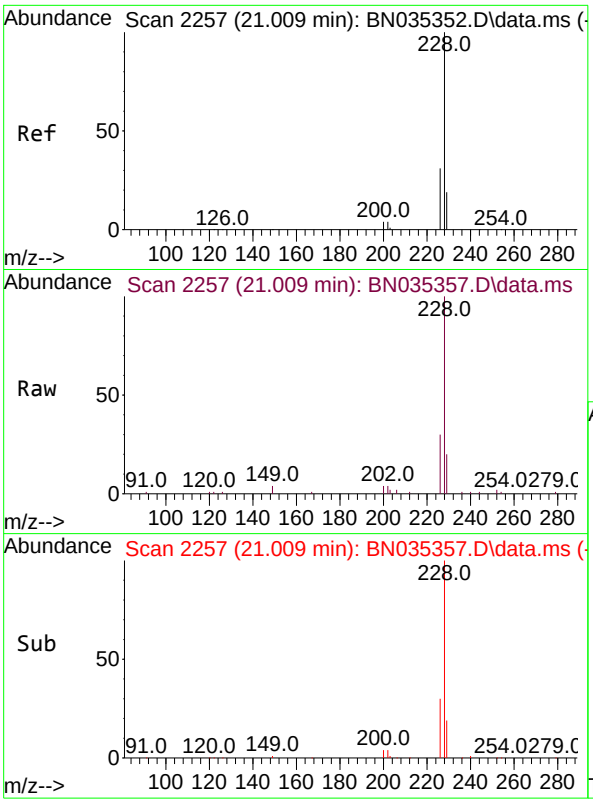


#32
Benzo(a)anthracene
Concen: 0.413 ng
RT: 20.956 min Scan# 2251
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Tgt Ion:228 Resp: 10934

Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.5	33.7
229	20.1	15.8	23.8

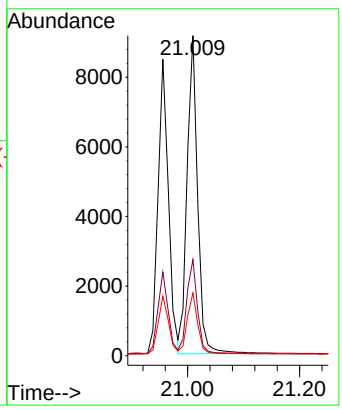




#33
Chrysene
Concen: 0.436 ng
RT: 21.009 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Tgt Ion:228 Resp: 1192

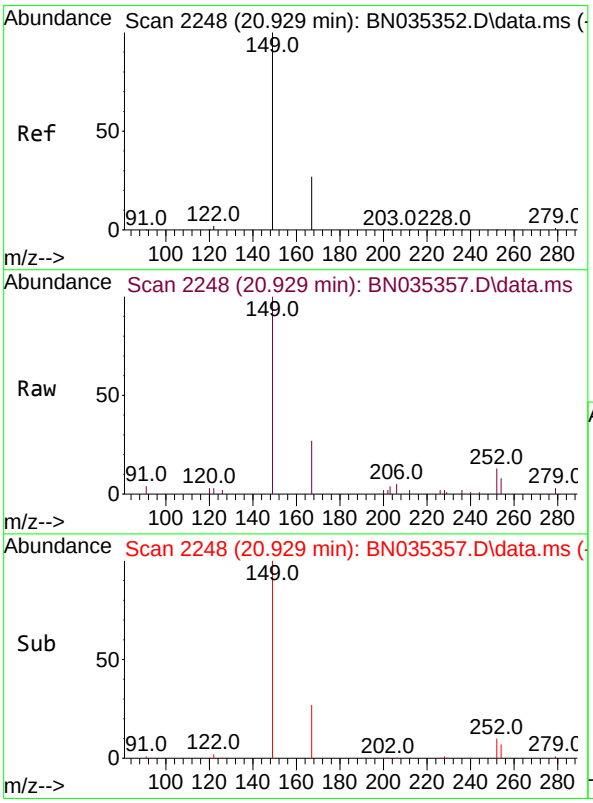
Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.6	37.0
229	19.6	15.9	23.9



Instrument :
BNA_N
ClientSampleId :
ICVBN112724

Manual Integrations APPROVED

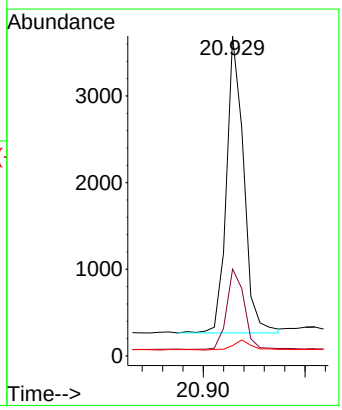
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 12/03/2024

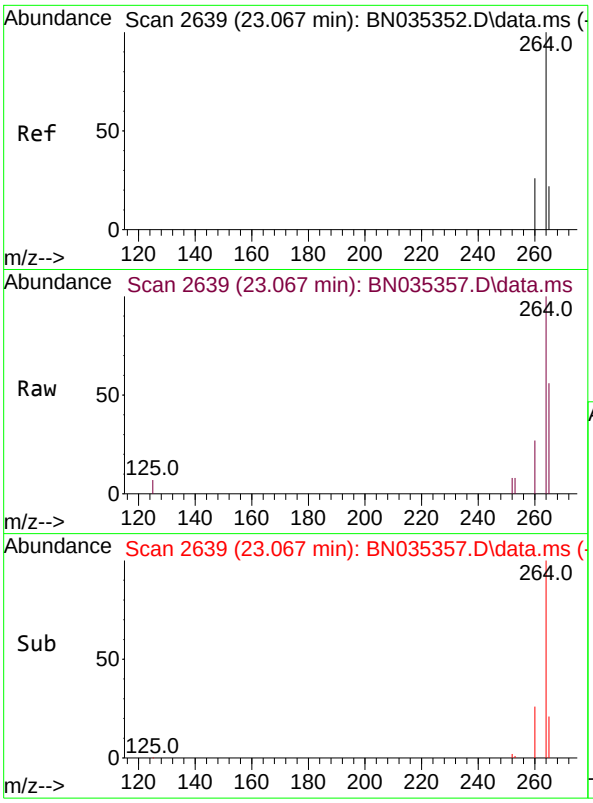


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.384 ng
RT: 20.929 min Scan# 2248
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Tgt Ion:149 Resp: 4016

Ion	Ratio	Lower	Upper
149	100		
167	27.7	22.2	33.4
279	3.7	2.7	4.1

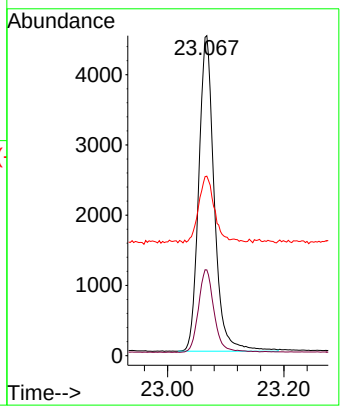




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.067 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Tgt Ion:264 Resp: 833

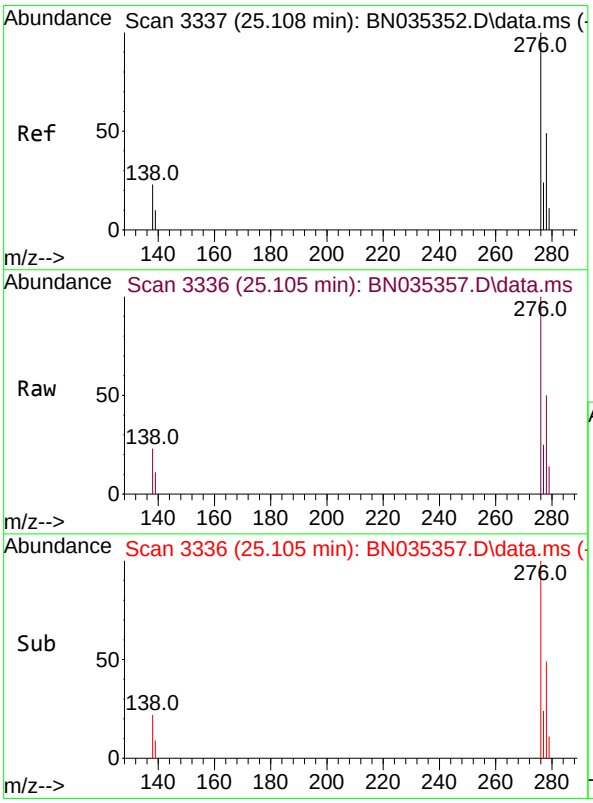
Ion	Ratio	Lower	Upper
264	100		
260	26.8	21.4	32.2
265	56.1	40.2	60.4



Instrument :
BNA_N
ClientSampleId :
ICVBN112724

Manual Integrations
APPROVED

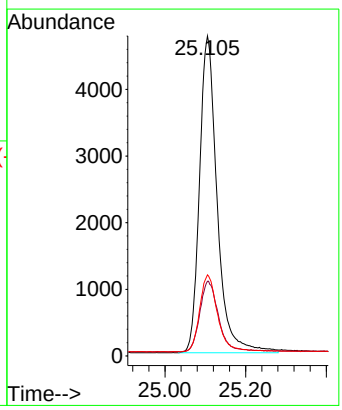
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 12/03/2024

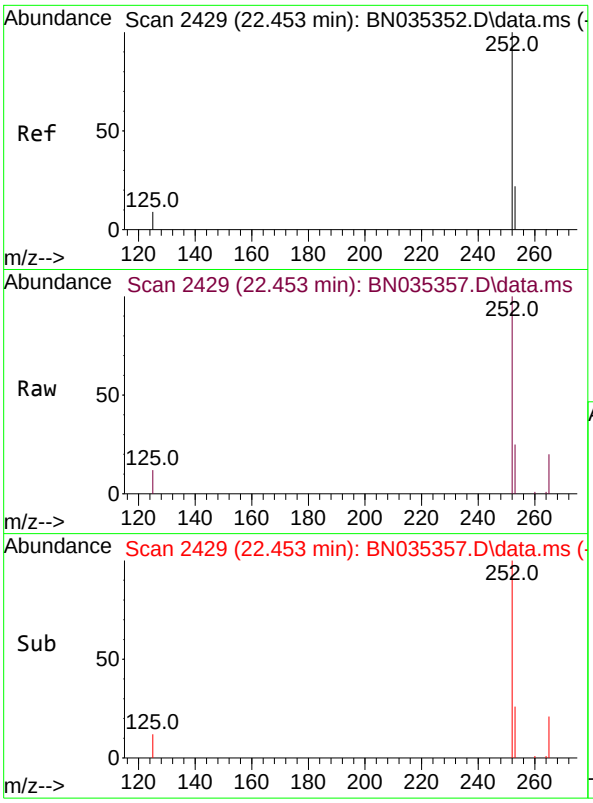


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.443 ng
RT: 25.105 min Scan# 3336
Delta R.T. -0.003 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Tgt Ion:276 Resp: 14433

Ion	Ratio	Lower	Upper
276	100		
138	23.5	19.4	29.0
277	24.6	19.8	29.6

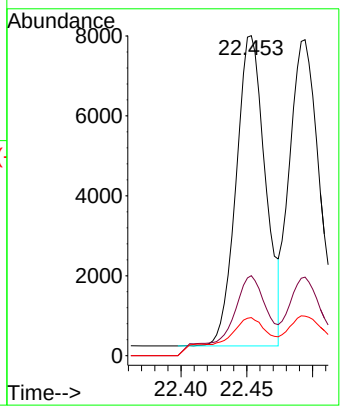




#37
Benzo(b)fluoranthene
Concen: 0.426 ng
RT: 22.453 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Tgt Ion:252 Resp: 1298

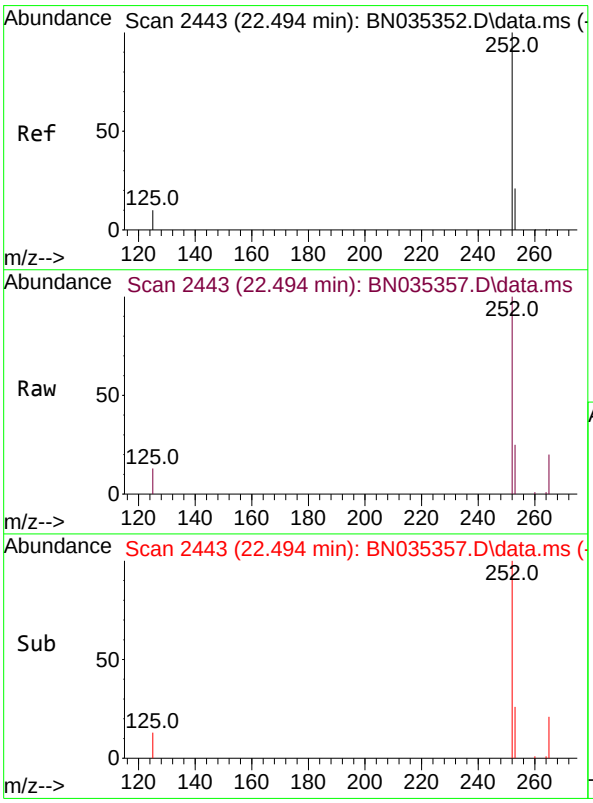
Ion	Ratio	Lower	Upper
252	100		
253	25.0	19.6	29.4
125	11.9	9.6	14.4



Instrument :
BNA_N
ClientSampleId :
ICVBN112724

Manual Integrations
APPROVED

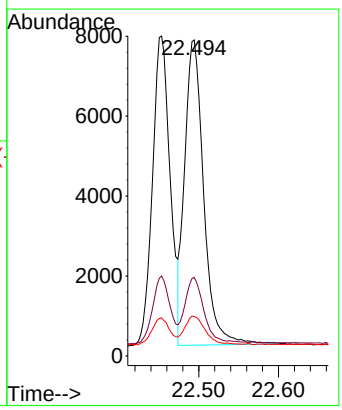
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 12/03/2024

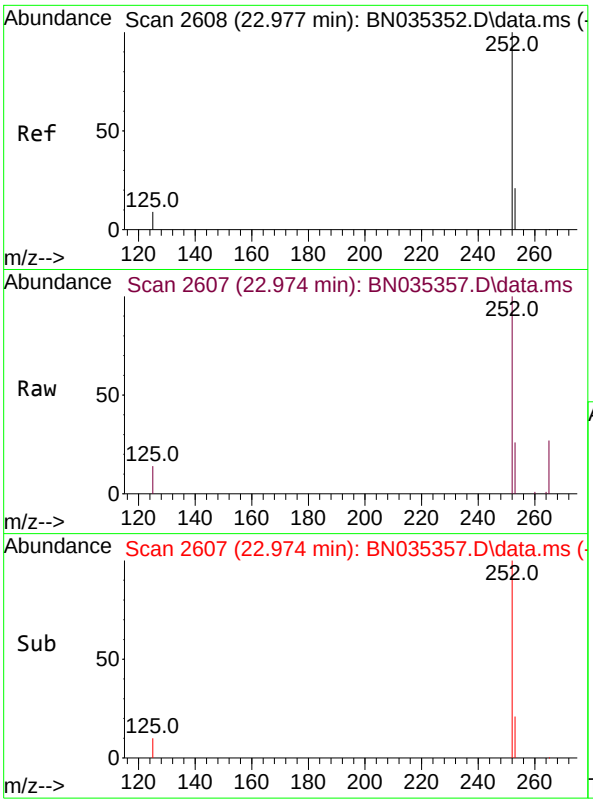


#38
Benzo(k)fluoranthene
Concen: 0.422 ng
RT: 22.494 min Scan# 2443
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Tgt Ion:252 Resp: 12669

Ion	Ratio	Lower	Upper
252	100		
253	24.8	19.5	29.3
125	12.5	10.2	15.4

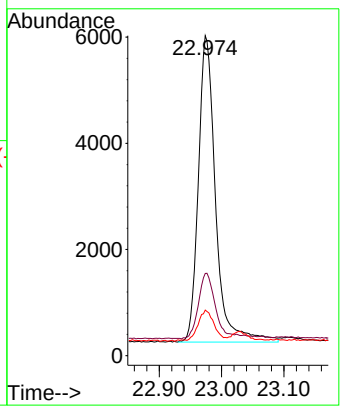




#39
Benzo(a)pyrene
Concen: 0.442 ng
RT: 22.974 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Tgt Ion:252 Resp: 1109

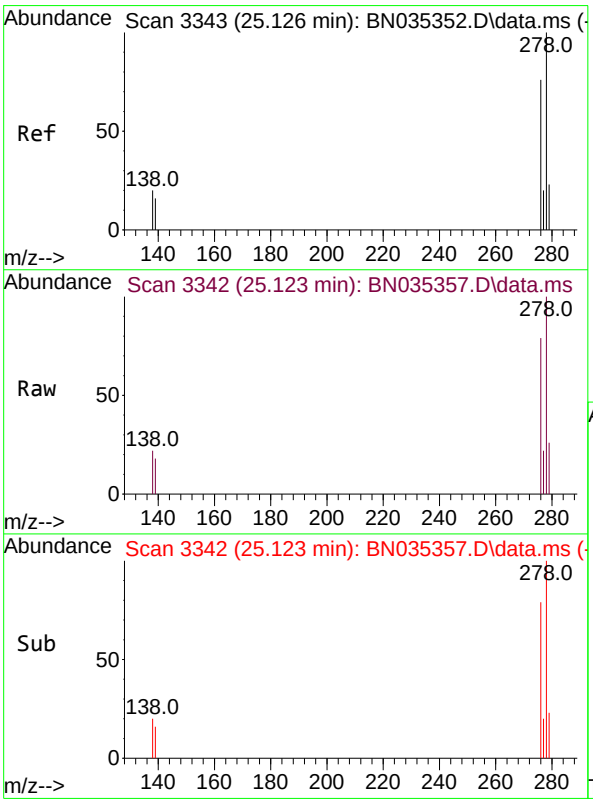
Ion	Ratio	Lower	Upper
252	100		
253	25.7	20.2	30.4
125	14.3	10.9	16.3



Instrument :
BNA_N
ClientSampleId :
ICVBN112724

Manual Integrations
APPROVED

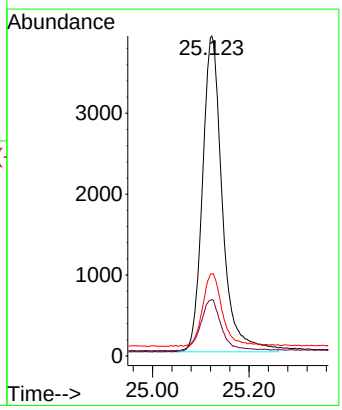
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 12/03/2024

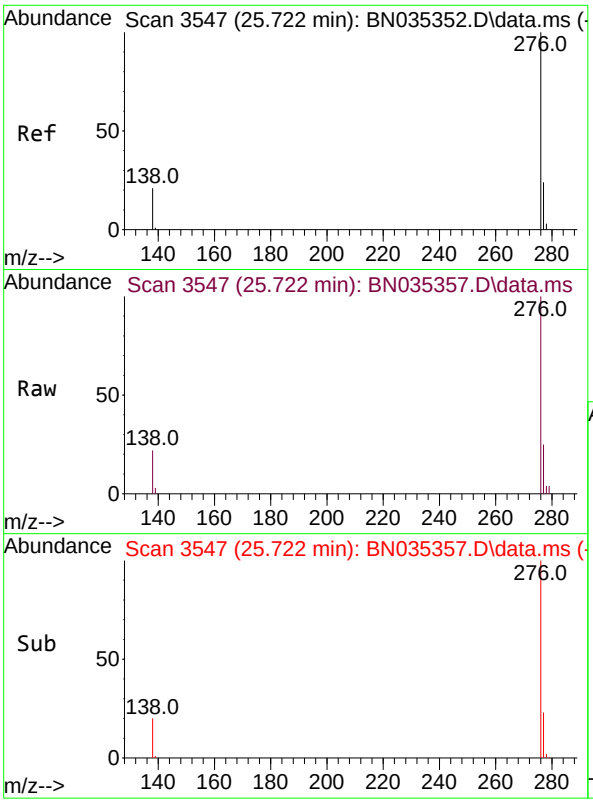


#40
Dibenzo(a,h)anthracene
Concen: 0.433 ng
RT: 25.123 min Scan# 3342
Delta R.T. -0.003 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Tgt Ion:278 Resp: 11141

Ion	Ratio	Lower	Upper
278	100		
139	17.6	14.2	21.4
279	25.6	20.5	30.7

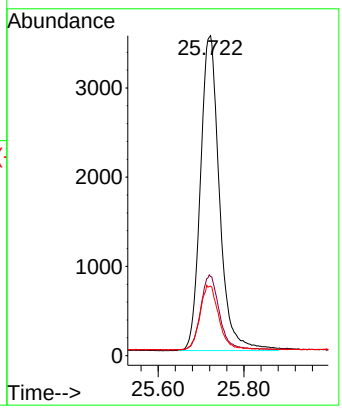




#41
Benzo(g,h,i)perylene
Concen: 0.404 ng
RT: 25.722 min Scan# 3
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Tgt Ion:276 Resp: 1087

Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.9	29.9
138	21.7	17.8	26.8



Instrument :
BNA_N
ClientSampleId :
ICVBN112724

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 12/03/2024

Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
Data File : BN035357.D
Acq On : 27 Nov 2024 20:21
Operator : RC/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
ICVBN112724

Quant Time: Nov 27 23:06:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 27 23:03:24 2024
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	75	0.00
2		1,4-Dioxane	0.382	0.444	-16.2	89	0.00
3		n-Nitrosodimethylamine	0.319	0.321	-0.6	74	0.00
4	S	2-Fluorophenol	1.001	0.831	17.0	61	0.00
5	S	Phenol-d6	1.204	0.933	22.5	59	0.00
6		bis(2-Chloroethyl)ether	1.012	1.088	-7.5	82	0.00
7	I	Naphthalene-d8	1.000	1.000	0.0	75	0.00
8	S	Nitrobenzene-d5	0.244	0.240	1.6	76	0.00
9		Naphthalene	1.055	1.118	-6.0	80	0.00
10		Hexachlorobutadiene	0.243	0.257	-5.8	78	0.00
11	SURR	2-Methylnaphthalene-d10	0.626	0.657	-5.0	79	0.00
12		2-Methylnaphthalene	0.755	0.809	-7.2	82	0.00
13	I	Acenaphthene-d10	1.000	1.000	0.0	76	0.00
14	S	2,4,6-Tribromophenol	0.284	0.214	24.6	63	0.00
15	S	2-Fluorobiphenyl	1.512	1.614	-6.7	81	0.00
16		Acenaphthylene	1.680	1.827	-8.8	87	0.00
17		Acenaphthene	1.115	1.188	-6.5	83	0.00
18		Fluorene	1.596	1.676	-5.0	82	0.00
19	I	Phenanthrene-d10	1.000	1.000	0.0	77	-0.01
20		4,6-Dinitro-2-methylphenol	0.039	0.036	7.7	78	0.00
21		4-Bromophenyl-phenylether	0.234	0.237	-1.3	81	0.00
22		Hexachlorobenzene	0.275	0.293	-6.5	83	0.00
23		Atrazine	0.167	0.167	0.0	84	0.00
24		Pentachlorophenol	0.120	0.090	25.0	73	0.00
25		Phenanthrene	1.099	1.158	-5.4	84	0.00
26		Anthracene	0.994	1.068	-7.4	88	0.00
27	SURR	Fluoranthene-d10	1.134	1.145	-1.0	82	0.00
28		Fluoranthene	1.481	1.489	-0.5	81	0.00
29	I	Chrysene-d12	1.000	1.000	0.0	80	0.00
30		Pyrene	1.477	1.515	-2.6	82	0.00
31	S	Terphenyl-d14	0.789	0.828	-4.9	83	0.00
32		Benzo(a)anthracene	1.399	1.443	-3.1	85	0.00
33		Chrysene	1.443	1.574	-9.1	87	0.00
34		Bis(2-ethylhexyl)phthalate	0.553	0.530	4.2	82	0.00
35	I	Perylene-d12	1.000	1.000	0.0	77	0.00
36		Indeno(1,2,3-cd)pyrene	1.564	1.731	-10.7	87	0.00
37		Benzo(b)fluoranthene	1.463	1.558	-6.5	91	0.00
38		Benzo(k)fluoranthene	1.440	1.519	-5.5	83	0.00
39	C	Benzo(a)pyrene	1.205	1.331	-10.5	89	0.00
40		Dibenzo(a,h)anthracene	1.234	1.336	-8.3	86	0.00
41		Benzo(g,h,i)perylene	1.289	1.304	-1.2	80	0.00

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

Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
Data File : BN035357.D
Acq On : 27 Nov 2024 20:21
Operator : RC/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
ICVBN112724

Quant Time: Nov 27 23:06:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 27 23:03:24 2024
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	0.400	0.400	0.0	75	0.00
2		1,4-Dioxane	0.400	0.465	-16.3	89	0.00
3		n-Nitrosodimethylamine	0.400	0.404	-1.0	74	0.00
4	S	2-Fluorophenol	0.400	0.332	17.0	61	0.00
5	S	Phenol-d6	0.400	0.310	22.5	59	0.00
6		bis(2-Chloroethyl)ether	0.400	0.430	-7.5	82	0.00
7	I	Naphthalene-d8	0.400	0.400	0.0	75	0.00
8	S	Nitrobenzene-d5	0.400	0.393	1.8	76	0.00
9		Naphthalene	0.400	0.424	-6.0	80	0.00
10		Hexachlorobutadiene	0.400	0.423	-5.7	78	0.00
11	SURR	2-Methylnaphthalene-d10	0.400	0.420	-5.0	79	0.00
12		2-Methylnaphthalene	0.400	0.428	-7.0	82	0.00
13	I	Acenaphthene-d10	0.400	0.400	0.0	76	0.00
14	S	2,4,6-Tribromophenol	0.400	0.302	24.5	63	0.00
15	S	2-Fluorobiphenyl	0.400	0.427	-6.7	81	0.00
16		Acenaphthylene	0.400	0.435	-8.7	87	0.00
17		Acenaphthene	0.400	0.426	-6.5	83	0.00
18		Fluorene	0.400	0.420	-5.0	82	0.00
19	I	Phenanthrene-d10	0.400	0.400	0.0	77	-0.01
20		4,6-Dinitro-2-methylphenol	0.400	0.364	9.0	78	0.00
21		4-Bromophenyl-phenylether	0.400	0.405	-1.3	81	0.00
22		Hexachlorobenzene	0.400	0.426	-6.5	83	0.00
23		Atrazine	0.400	0.401	-0.3	84	0.00
24		Pentachlorophenol	0.400	0.301	24.8	73	0.00
25		Phenanthrene	0.400	0.421	-5.2	84	0.00
26		Anthracene	0.400	0.430	-7.5	88	0.00
27	SURR	Fluoranthene-d10	0.400	0.404	-1.0	82	0.00
28		Fluoranthene	0.400	0.402	-0.5	81	0.00
29	I	Chrysene-d12	0.400	0.400	0.0	80	0.00
30		Pyrene	0.400	0.410	-2.5	82	0.00
31	S	Terphenyl-d14	0.400	0.420	-5.0	83	0.00
32		Benzo(a)anthracene	0.400	0.413	-3.2	85	0.00
33		Chrysene	0.400	0.436	-9.0	87	0.00
34		Bis(2-ethylhexyl)phthalate	0.400	0.384	4.0	82	0.00
35	I	Perylene-d12	0.400	0.400	0.0	77	0.00
36		Indeno(1,2,3-cd)pyrene	0.400	0.443	-10.7	87	0.00
37		Benzo(b)fluoranthene	0.400	0.426	-6.5	91	0.00
38		Benzo(k)fluoranthene	0.400	0.422	-5.5	83	0.00
39	C	Benzo(a)pyrene	0.400	0.442	-10.5	89	0.00
40		Dibenzo(a,h)anthracene	0.400	0.433	-8.2	86	0.00
41		Benzo(g,h,i)perylene	0.400	0.404	-1.0	80	0.00

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

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: P5261 SAS No.: P5261 SDG No.: P5261

Instrument ID: BNA_N Calibration Date/Time: 12/19/2024 19:23

Lab File ID: BN035712.D Init. Calib. Date(s): 11/27/2024 11/27/2024

EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 15:34 19:09

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.626	0.594		-5.1	20.0
Fluoranthene-d10	1.134	0.971		-14.4	20.0
2-Fluorophenol	1.001	1.050		4.9	20.0
Phenol-d6	1.204	1.220		1.3	20.0
Nitrobenzene-d5	0.244	0.281		15.2	20.0
2-Fluorobiphenyl	1.512	1.414		-6.5	20.0
2,4,6-Tribromophenol	0.284	0.247		-13.0	20.0
Terphenyl-d14	0.789	0.828		4.9	20.0
1,4-Dioxane	0.382	0.401		5.0	20.0

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035712.D
Acq On : 19 Dec 2024 19:23
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 19 23:11:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.272	152	3021	0.400	ng		0.00
7) Naphthalene-d8	10.020	136	8329	0.400	ng	#	0.00
13) Acenaphthene-d10	13.935	164	5302	0.400	ng		0.00
19) Phenanthrene-d10	16.698	188	11375	0.400	ng	#	0.00
29) Chrysene-d12	20.956	240	9644	0.400	ng		0.00
35) Perylene-d12	23.041	264	11002	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	4.939	112	3171	0.419	ng		0.00
5) Phenol-d6	6.492	99	3686	0.405	ng		0.00
8) Nitrobenzene-d5	8.408	82	2339m	0.460	ng		0.00
11) 2-Methylnaphthalene-d10	11.621	152	4946	0.379	ng		0.00
14) 2,4,6-Tribromophenol	15.453	330	1310	0.348	ng		0.00
15) 2-Fluorobiphenyl	12.544	172	7499	0.374	ng		0.00
27) Fluoranthene-d10	18.761	212	11047	0.343	ng		0.00
31) Terphenyl-d14	19.389	244	7984	0.420	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.982	88	1212	0.420	ng		94
3) n-Nitrosodimethylamine	3.278	42	961	0.400	ng	#	90
6) bis(2-Chloroethyl)ether	6.730	93	2851	0.373	ng		99
9) Naphthalene	10.063	128	8252	0.376	ng		100
10) Hexachlorobutadiene	10.362	225	2176	0.429	ng	#	99
12) 2-Methylnaphthalene	11.697	142	5543	0.352	ng		100
16) Acenaphthylene	13.647	152	7861	0.353	ng		99
17) Acenaphthene	13.999	154	5291	0.358	ng		98
18) Fluorene	15.004	166	7294	0.345	ng		100
20) 4,6-Dinitro-2-methylph...	15.122	198	96	0.086	ng	#	1
21) 4-Bromophenyl-phenylether	15.916	248	2317	0.348	ng		98
22) Hexachlorobenzene	16.016	284	3215	0.412	ng		97
23) Atrazine	16.202	200	1947	0.411	ng		98
24) Pentachlorophenol	16.376	266	1321	0.389	ng		89
25) Phenanthrene	16.748	178	10836	0.347	ng		100
26) Anthracene	16.835	178	9563	0.338	ng		100
28) Fluoranthene	18.789	202	13173	0.313	ng		100
30) Pyrene	19.161	202	13762	0.387	ng		99
32) Benzo(a)anthracene	20.938	228	11616	0.344	ng		100
33) Chrysene	20.992	228	13207	0.380	ng		99
34) Bis(2-ethylhexyl)phtha...	20.911	149	6603	0.496	ng	#	98
36) Indeno(1,2,3-cd)pyrene	25.067	276	15727	0.366	ng		96
37) Benzo(b)fluoranthene	22.430	252	17502	0.435	ng		97
38) Benzo(k)fluoranthene	22.471	252	13440m	0.339	ng		
39) Benzo(a)pyrene	22.951	252	11908	0.359	ng		93
40) Dibenzo(a,h)anthracene	25.082	278	12408	0.366	ng		97
41) Benzo(g,h,i)perylene	25.678	276	13508	0.381	ng		98

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

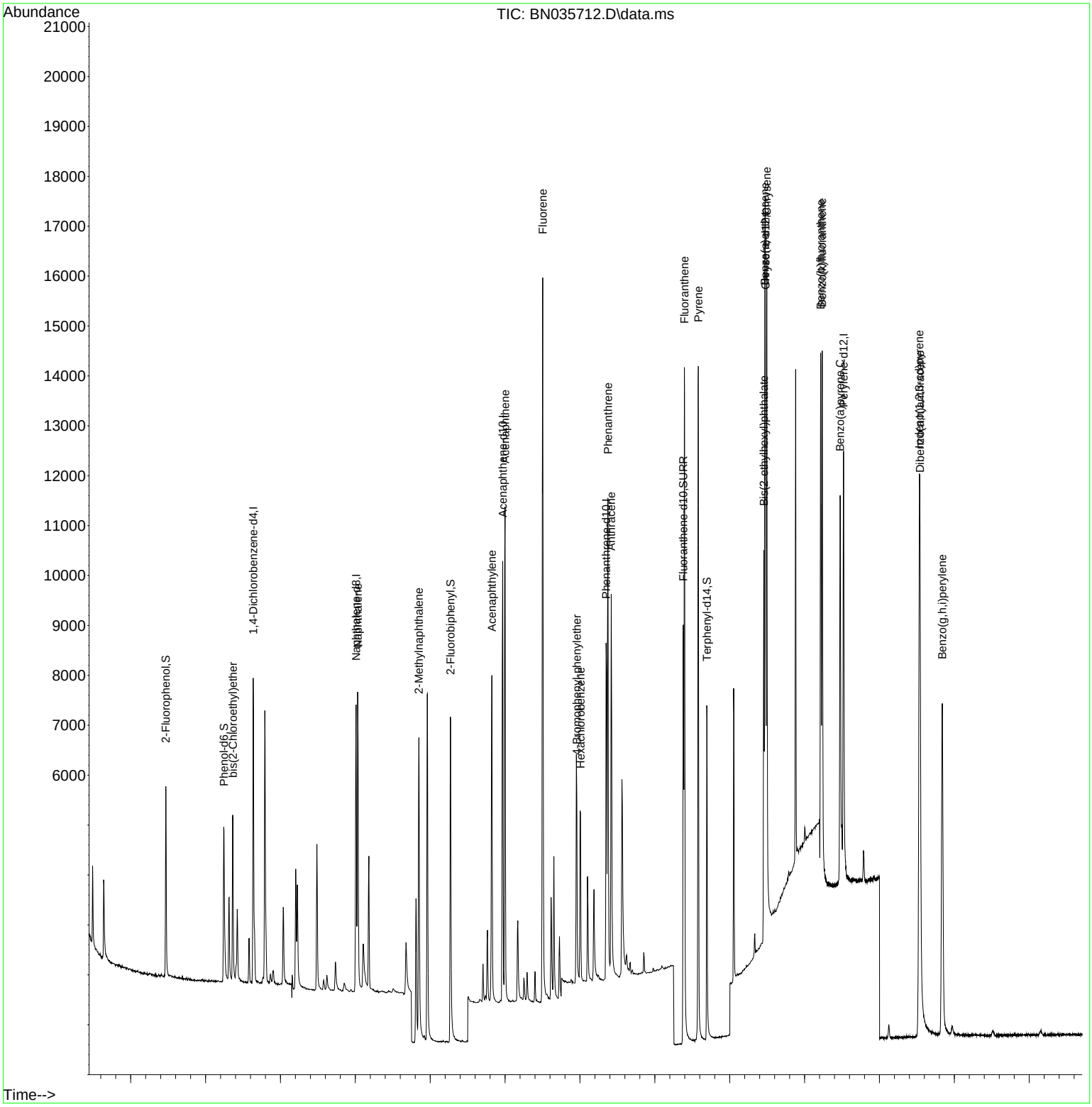
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035712.D
Acq On : 19 Dec 2024 19:23
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

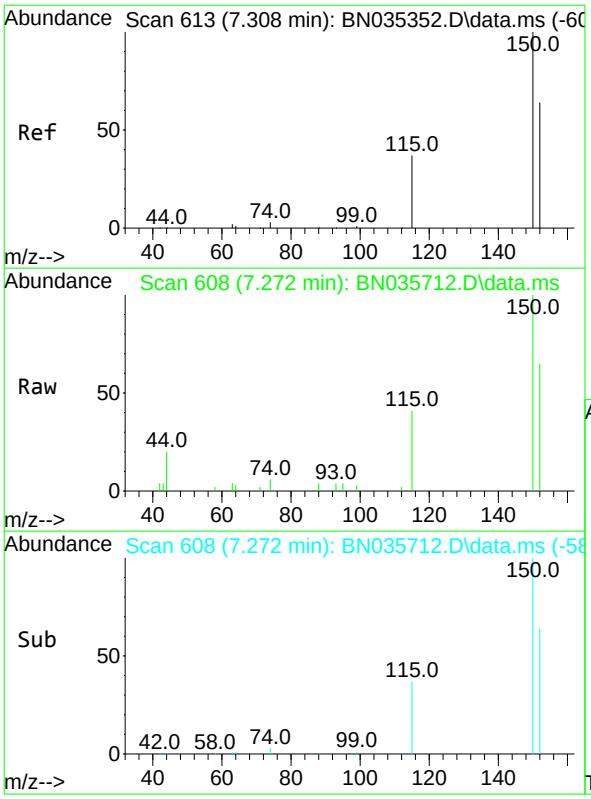
Quant Time: Dec 19 23:11:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

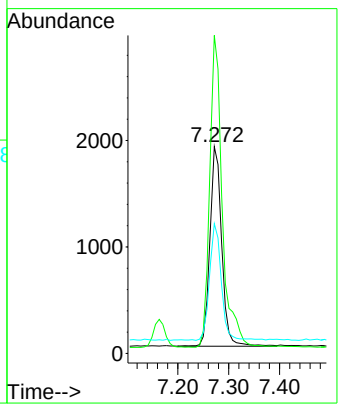




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.272 min Scan# 60
Delta R.T. -0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Tgt Ion:152 Resp: 3021

Ion	Ratio	Lower	Upper
152	100		
150	153.8	124.0	186.0
115	62.8	49.6	74.4



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

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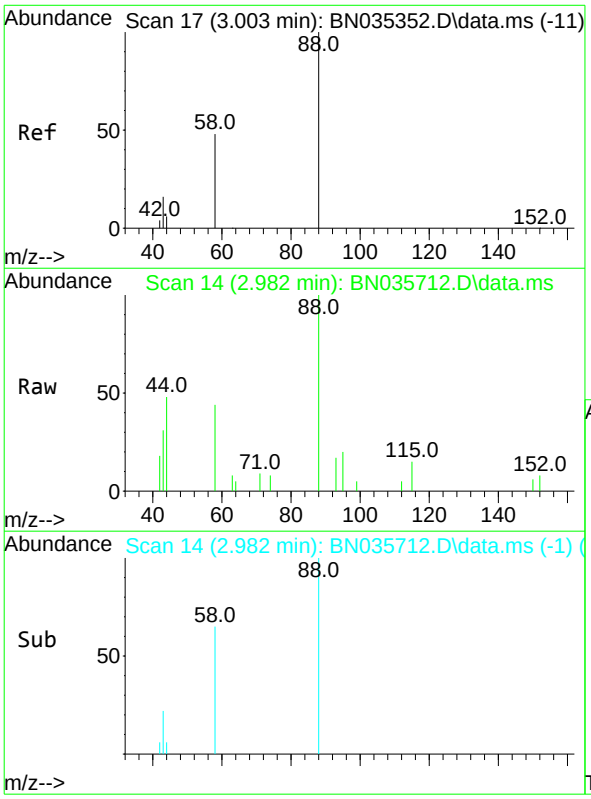
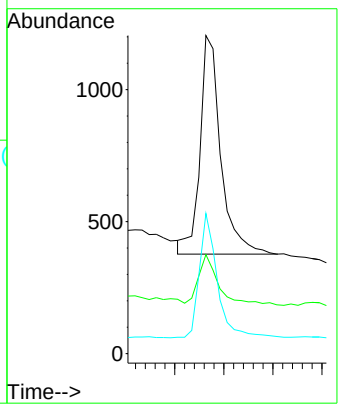
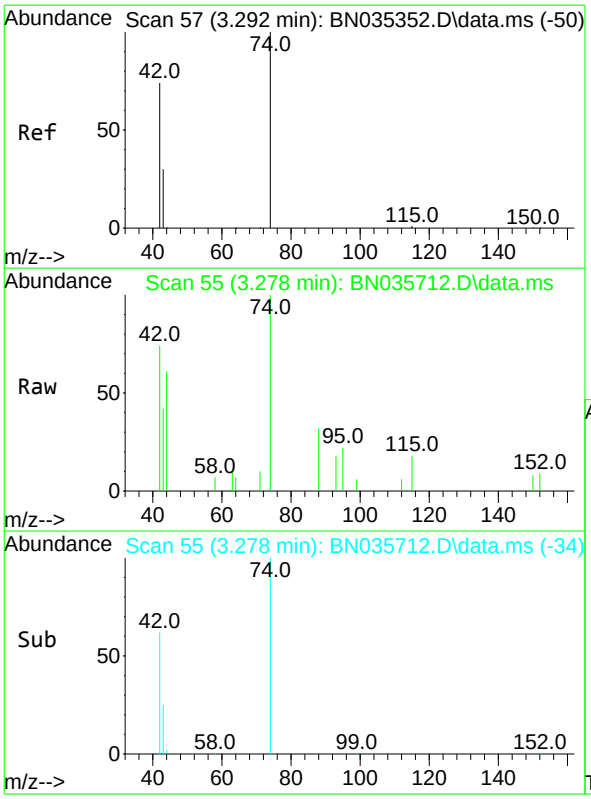


#2
1,4-Dioxane
Concen: 0.420 ng
RT: 2.982 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Tgt Ion: 88 Resp: 1212

Ion	Ratio	Lower	Upper
88	100		
43	21.9	17.2	25.8
58	49.6	44.5	66.7

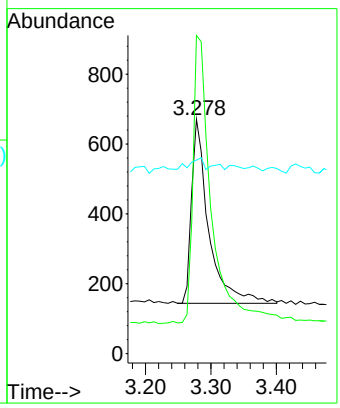




#3
n-Nitrosodimethylamine
Concen: 0.400 ng
RT: 3.278 min Scan# 55
Delta R.T. 0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

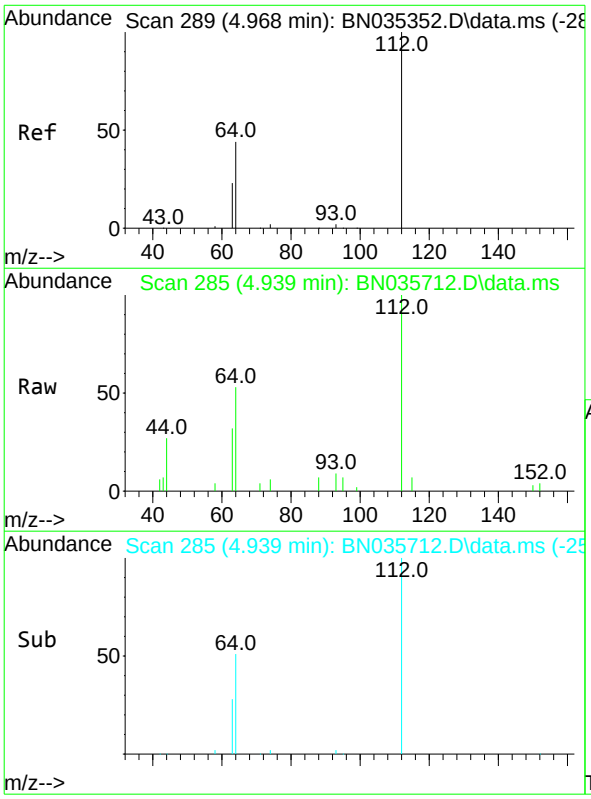
Tgt Ion: 42 Resp: 961

Ion	Ratio	Lower	Upper
42	100		
74	169.5	124.9	187.3
44	6.2	2.2	3.4#



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

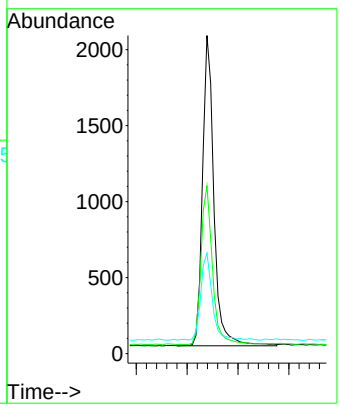
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

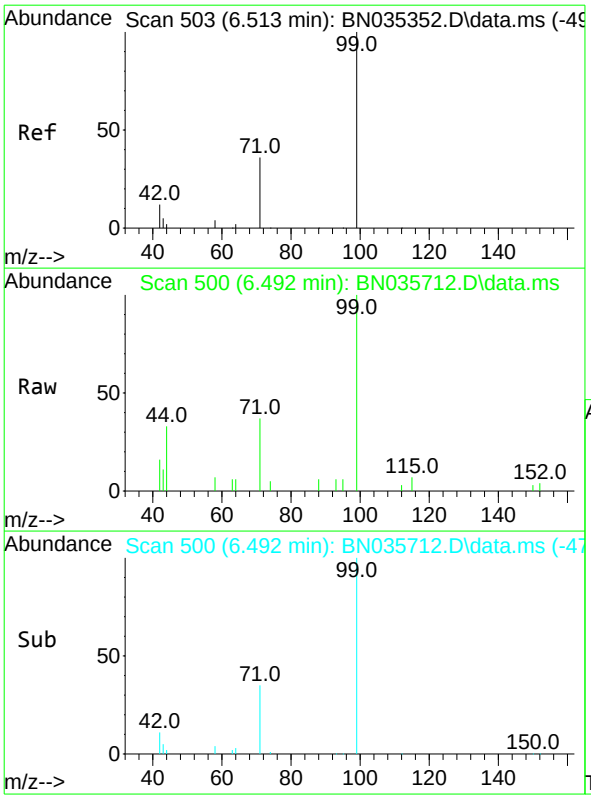


#4
2-Fluorophenol
Concen: 0.419 ng
RT: 4.939 min Scan# 285
Delta R.T. 0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Tgt Ion:112 Resp: 3171

Ion	Ratio	Lower	Upper
112	100		
64	51.6	39.8	59.8
63	28.2	21.0	31.6

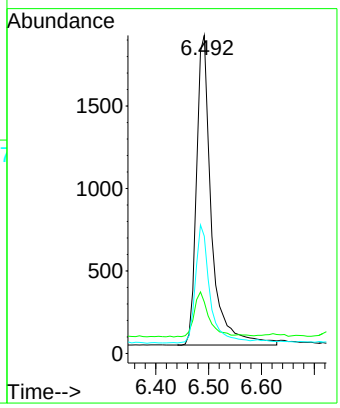




#5
Phenol-d6
Concen: 0.405 ng
RT: 6.492 min Scan# 50
Delta R.T. 0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Tgt Ion: 99 Resp: 3686

Ion	Ratio	Lower	Upper
99	100		
42	14.3	11.4	17.2
71	36.5	29.3	43.9



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Manual Integrations APPROVED

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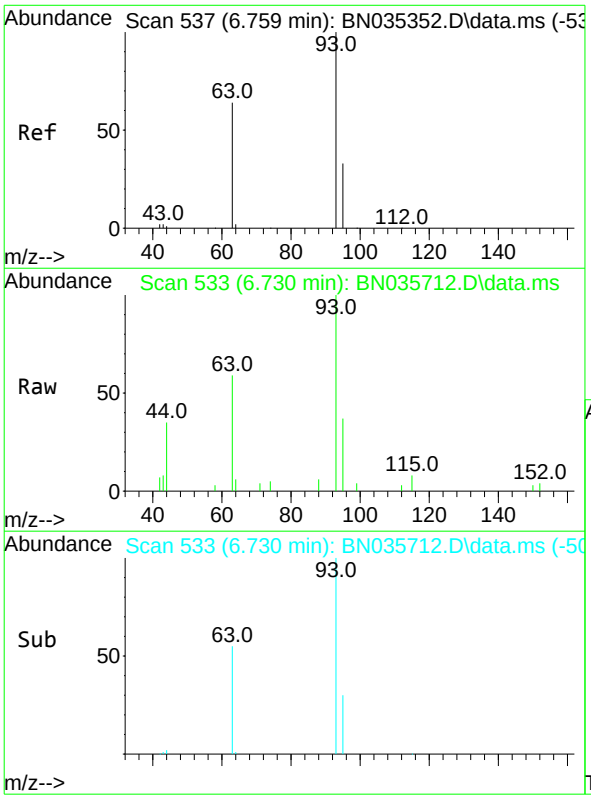
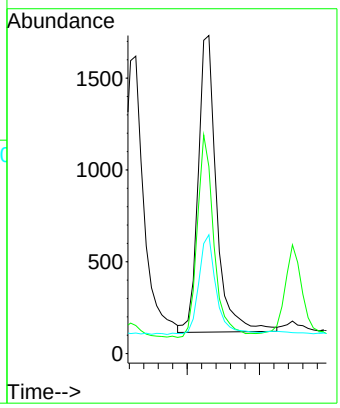
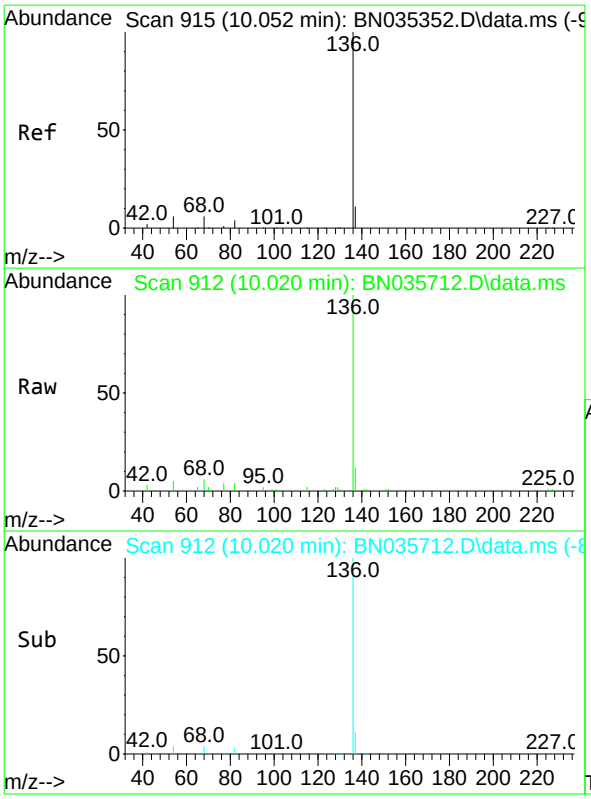


#6
bis(2-Chloroethyl)ether
Concen: 0.373 ng
RT: 6.730 min Scan# 533
Delta R.T. 0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Tgt Ion: 93 Resp: 2851

Ion	Ratio	Lower	Upper
93	100		
63	62.3	50.4	75.6
95	32.0	25.7	38.5

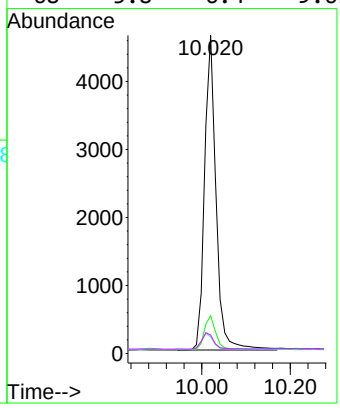




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.020 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Tgt Ion:136 Resp: 8329

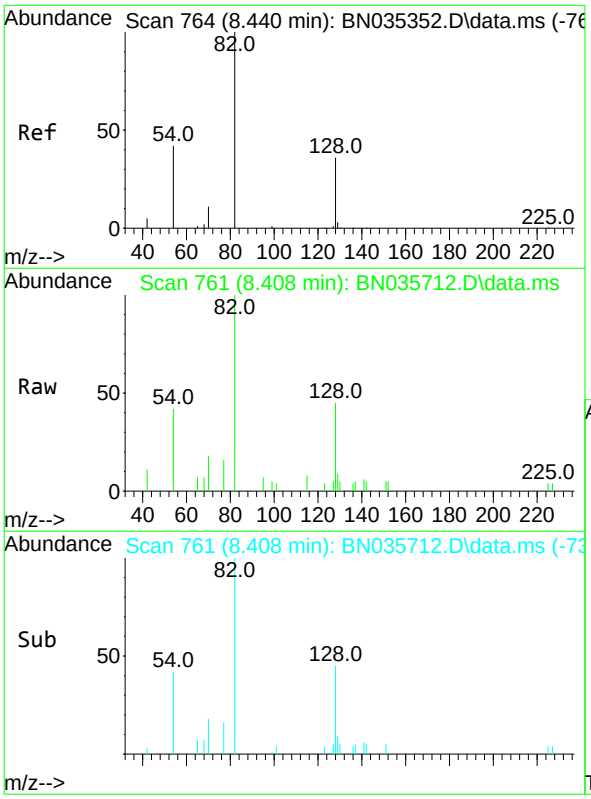
Ion	Ratio	Lower	Upper
136	100		
137	11.8	10.2	15.2
54	5.3	6.1	9.1#
68	5.8	6.4	9.6#



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Manual Integrations
APPROVED

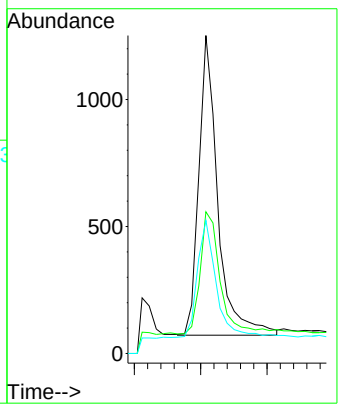
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

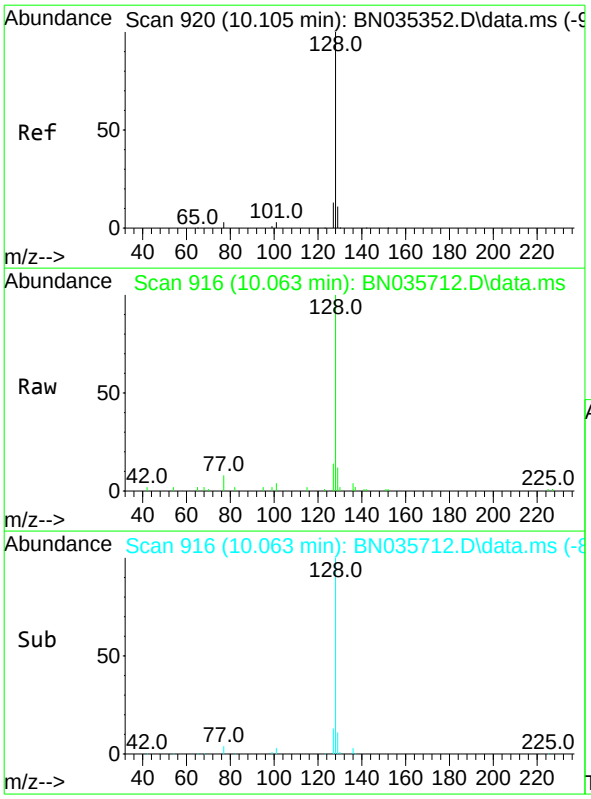


#8
Nitrobenzene-d5
Concen: 0.460 ng m
RT: 8.408 min Scan# 761
Delta R.T. 0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Tgt Ion: 82 Resp: 2339

Ion	Ratio	Lower	Upper
82	100		
128	44.6	33.4	50.0
54	41.9	36.7	55.1

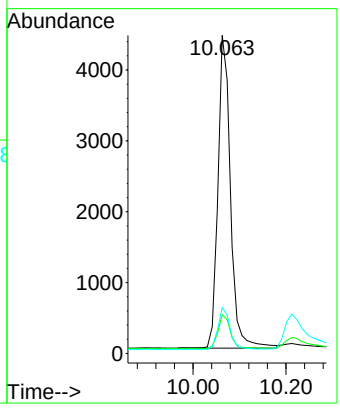




#9
Naphthalene
Concen: 0.376 ng
RT: 10.063 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Tgt Ion:128 Resp: 8252

Ion	Ratio	Lower	Upper
128	100		
129	12.2	9.8	14.6
127	14.4	11.4	17.2



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/21/2024
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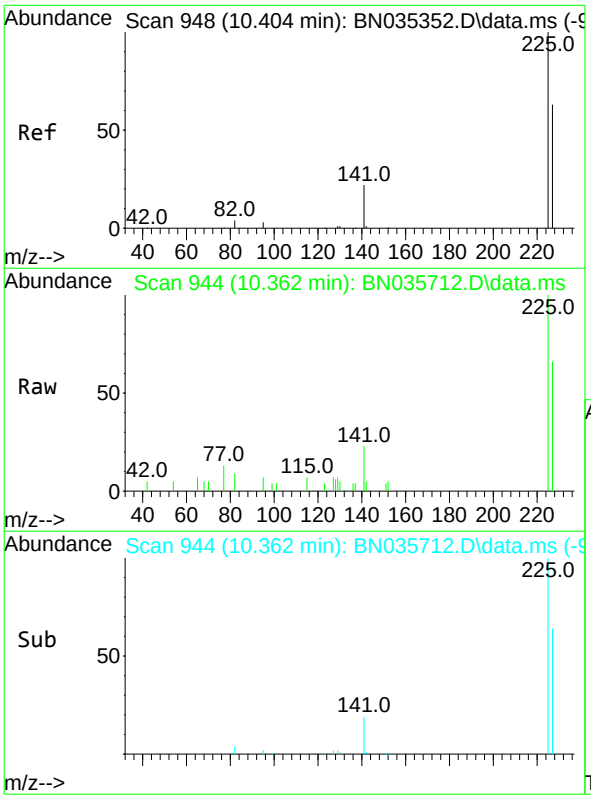
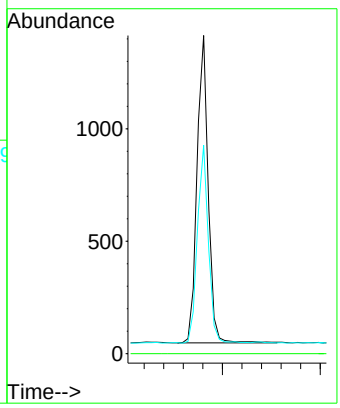
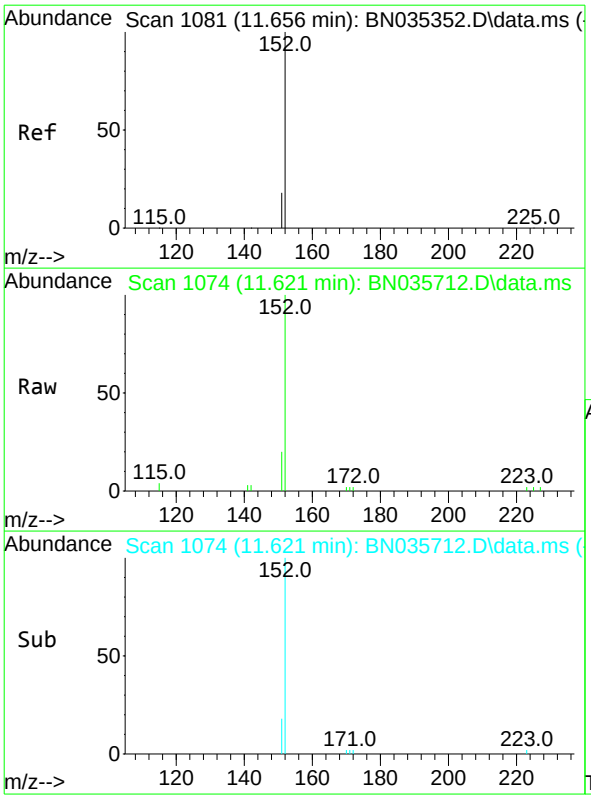


#10
Hexachlorobutadiene
Concen: 0.429 ng
RT: 10.362 min Scan# 944
Delta R.T. 0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Tgt Ion:225 Resp: 2176

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.3	51.3	76.9

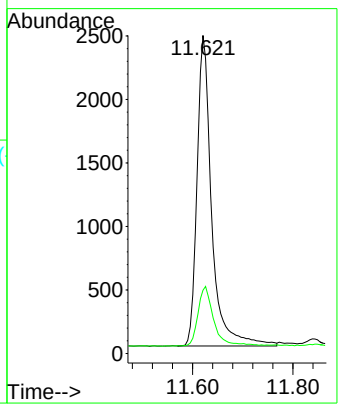




#11
2-Methylnaphthalene-d10
Concen: 0.379 ng
RT: 11.621 min Scan# 10
Delta R.T. 0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Tgt Ion:152 Resp: 4946

Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.6	25.0



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Manual Integrations
APPROVED

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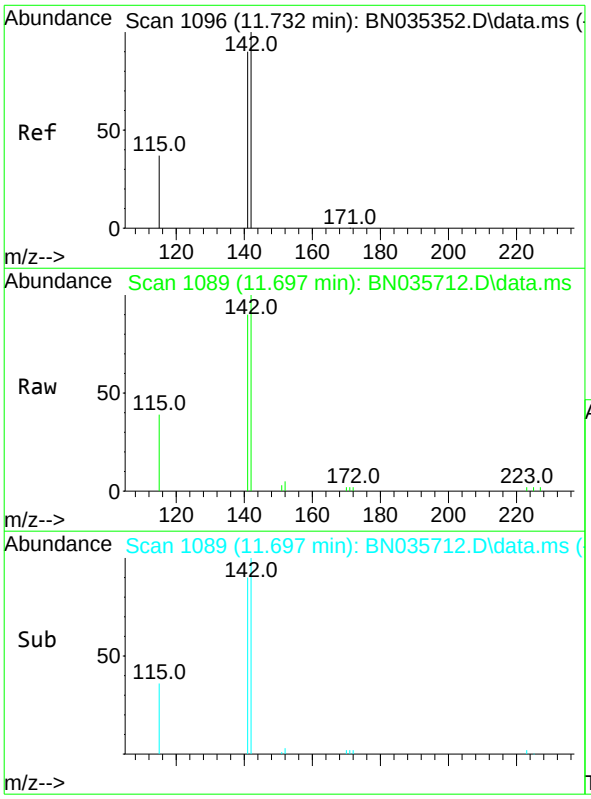
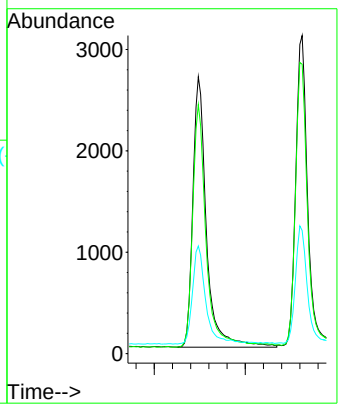
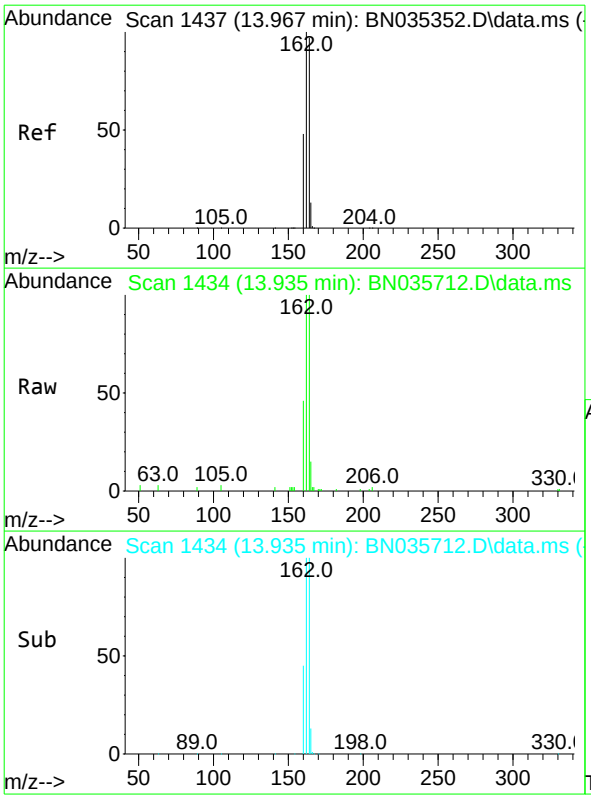


#12
2-Methylnaphthalene
Concen: 0.352 ng
RT: 11.697 min Scan# 1089
Delta R.T. 0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Tgt Ion:142 Resp: 5543

Ion	Ratio	Lower	Upper
142	100		
141	89.9	72.2	108.4
115	38.9	31.4	47.0

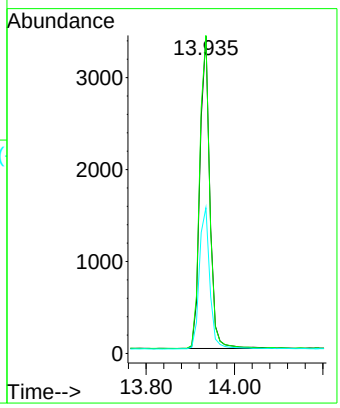




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.935 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Tgt Ion:164 Resp: 5302

Ion	Ratio	Lower	Upper
164	100		
162	100.2	82.2	123.2
160	45.9	40.1	60.1



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

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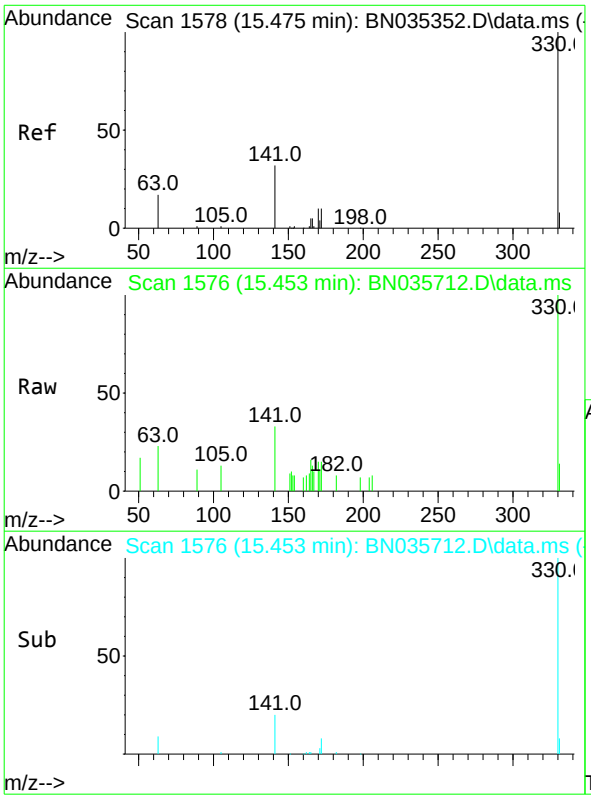
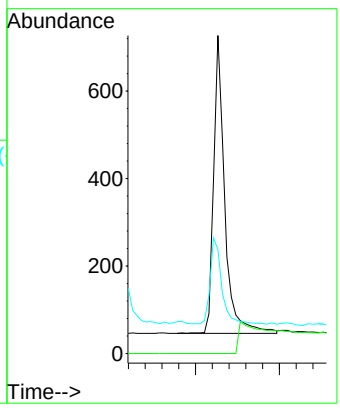
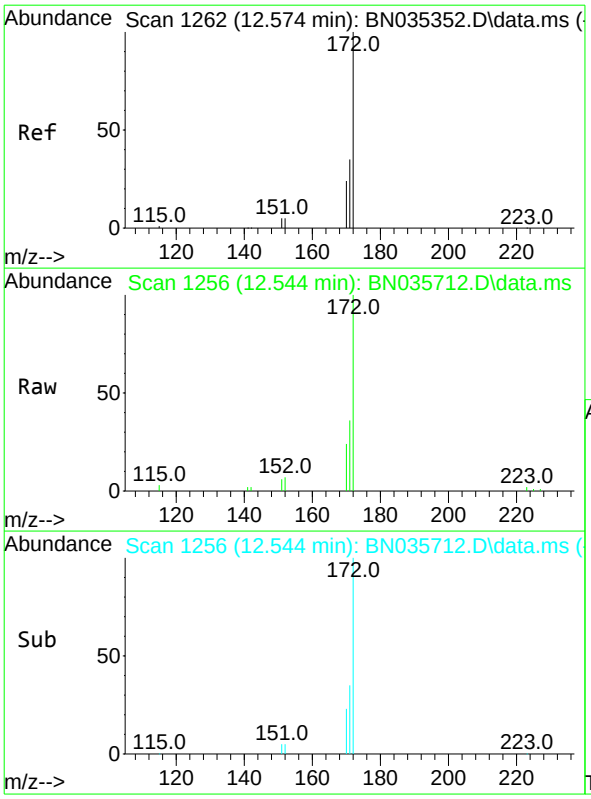


#14
2,4,6-Tribromophenol
Concen: 0.348 ng
RT: 15.453 min Scan# 1576
Delta R.T. 0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Tgt Ion:330 Resp: 1310

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	30.3	26.6	40.0

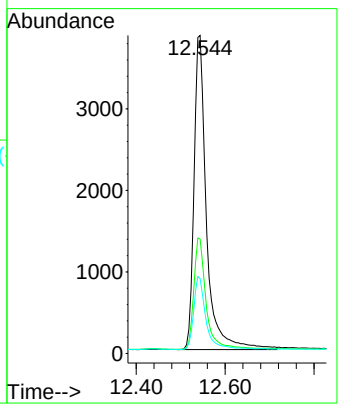




#15
2-Fluorobiphenyl
Concen: 0.374 ng
RT: 12.544 min Scan# 12
Delta R.T. 0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Tgt Ion:172 Resp: 7499

Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.0	43.4
170	23.6	19.8	29.8



Instrument :
BNA_N
ClientSampleId :
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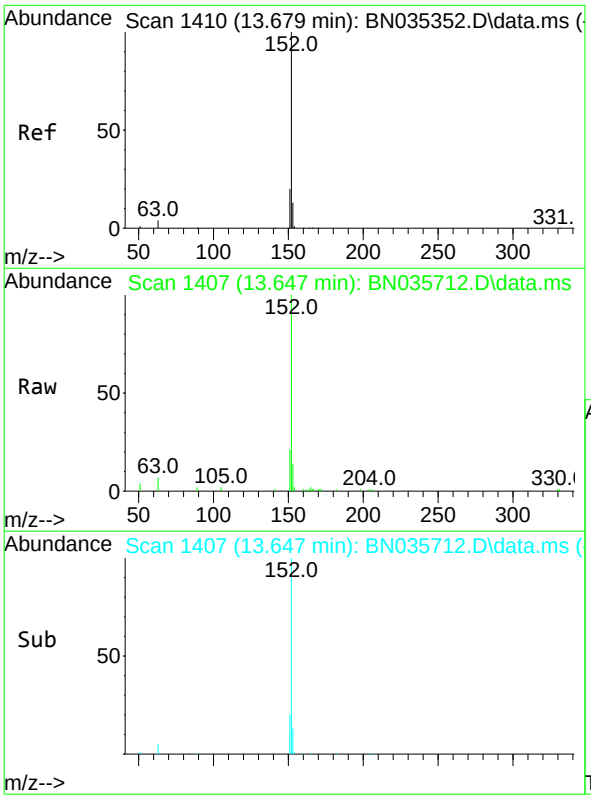
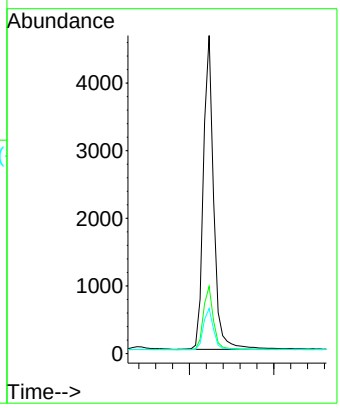
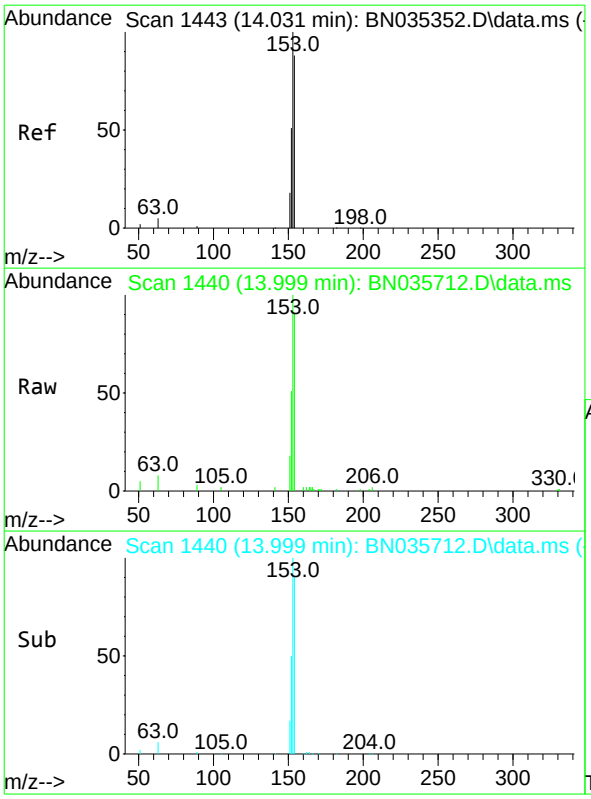


#16
Acenaphthylene
Concen: 0.353 ng
RT: 13.647 min Scan# 1407
Delta R.T. 0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Tgt Ion:152 Resp: 7861

Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.2	24.2
153	13.5	10.4	15.6

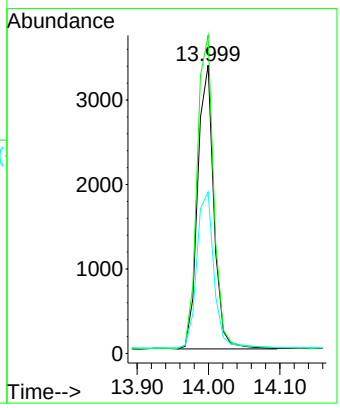




#17
Acenaphthene
Concen: 0.358 ng
RT: 13.999 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Tgt Ion:154 Resp: 5291

Ion	Ratio	Lower	Upper
154	100		
153	114.7	92.6	139.0
152	58.7	49.0	73.6



Instrument :
BNA_N
ClientSampleId :
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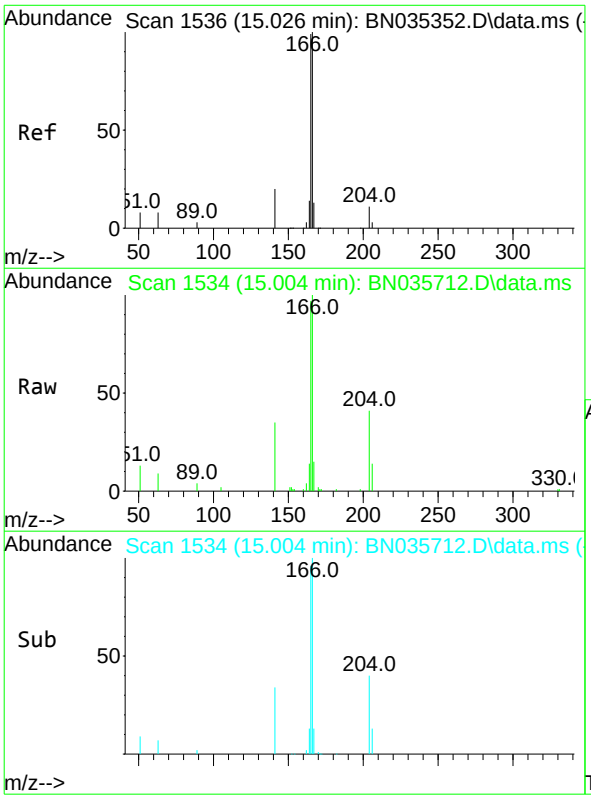
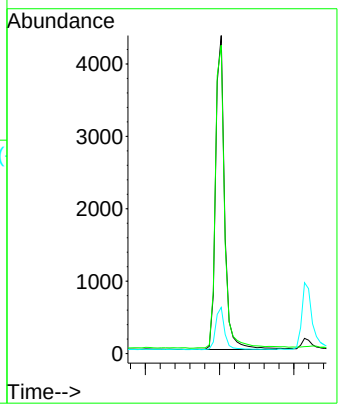
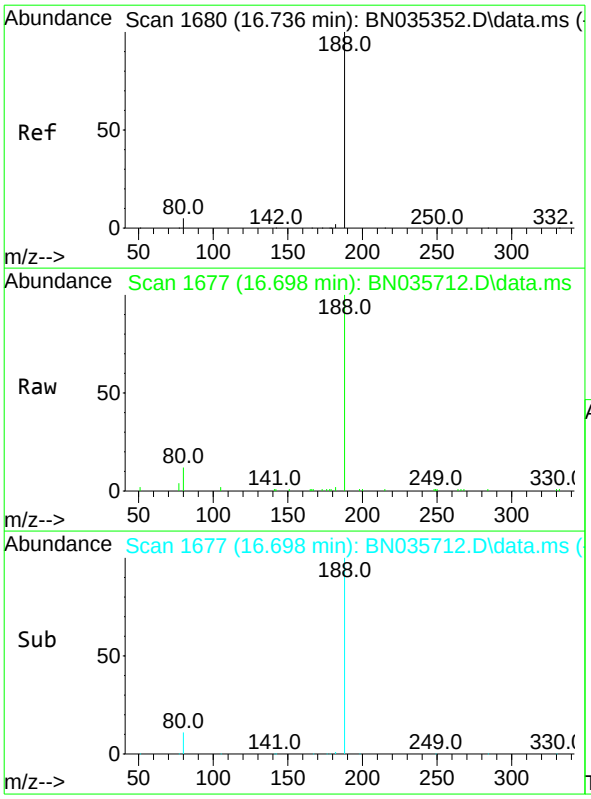


#18
Fluorene
Concen: 0.345 ng
RT: 15.004 min Scan# 1534
Delta R.T. 0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Tgt Ion:166 Resp: 7294

Ion	Ratio	Lower	Upper
166	100		
165	99.1	79.7	119.5
167	13.7	10.8	16.2

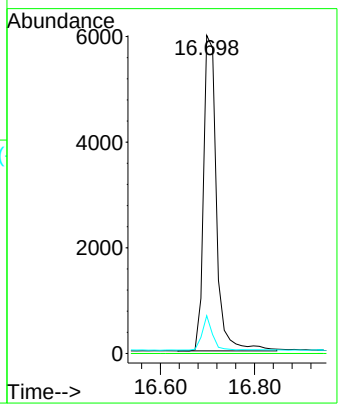




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.698 min Scan# 16
Delta R.T. 0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Tgt Ion:188 Resp: 11375

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.9	4.6	6.8#



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

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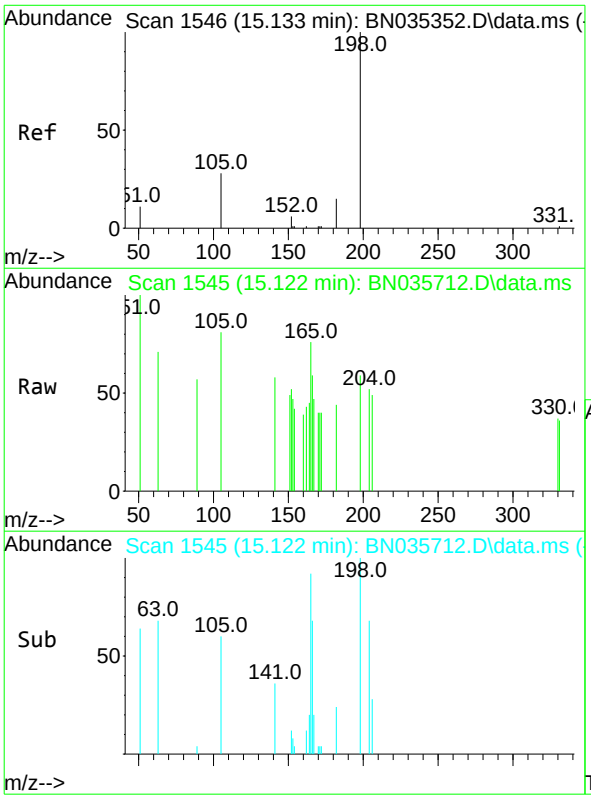
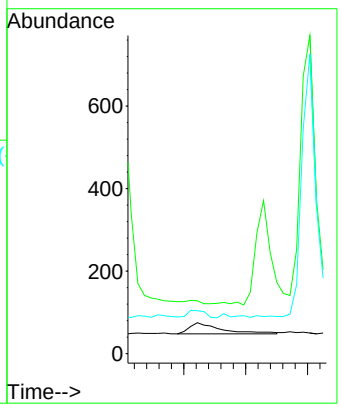
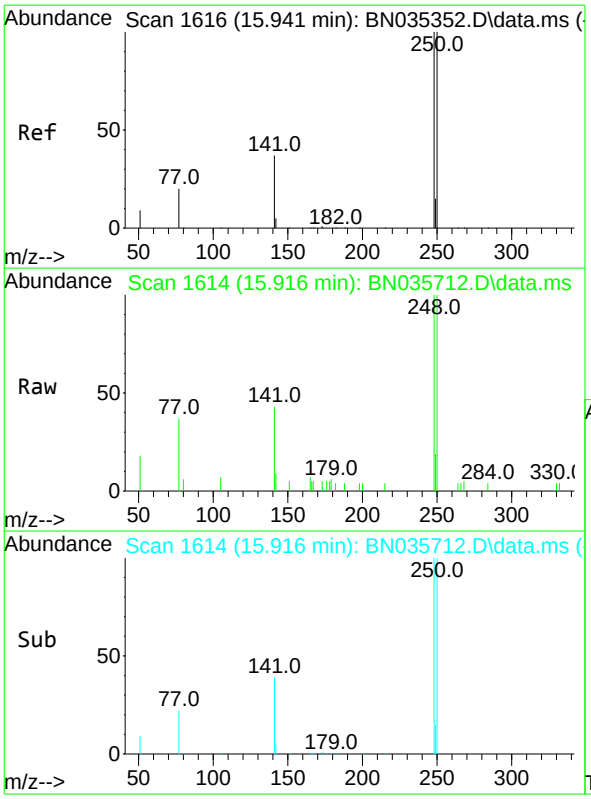


#20
4,6-Dinitro-2-methylphenol
Concen: 0.086 ng
RT: 15.122 min Scan# 1545
Delta R.T. 0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Tgt Ion:198 Resp: 96

Ion	Ratio	Lower	Upper
198	100		
51	170.7	46.5	69.7#
105	138.7	45.3	67.9#

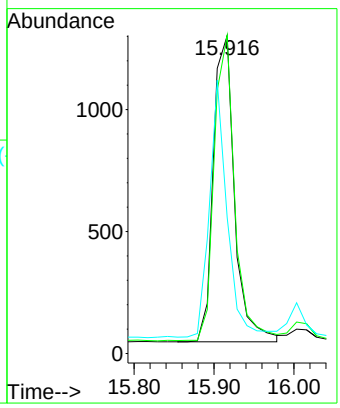




#21
4-Bromophenyl-phenylether
Concen: 0.348 ng
RT: 15.916 min Scan# 16
Delta R.T. 0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Tgt Ion:248 Resp: 2317

Ion	Ratio	Lower	Upper
248	100		
250	100.1	80.6	120.8
141	42.8	31.5	47.3



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

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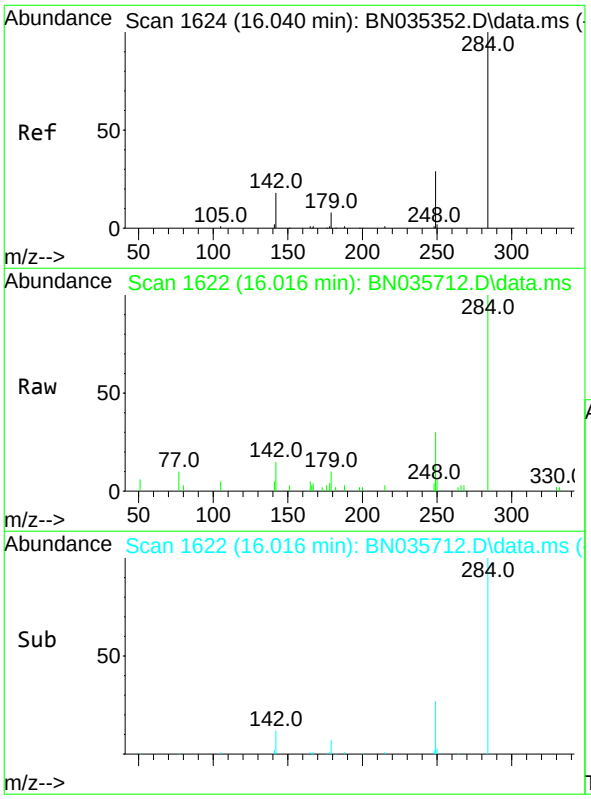
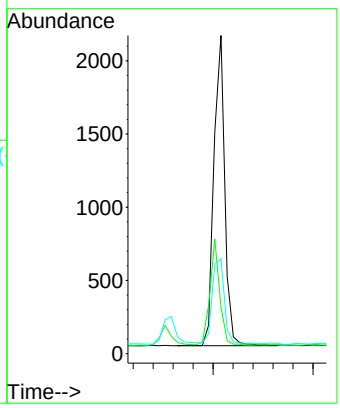
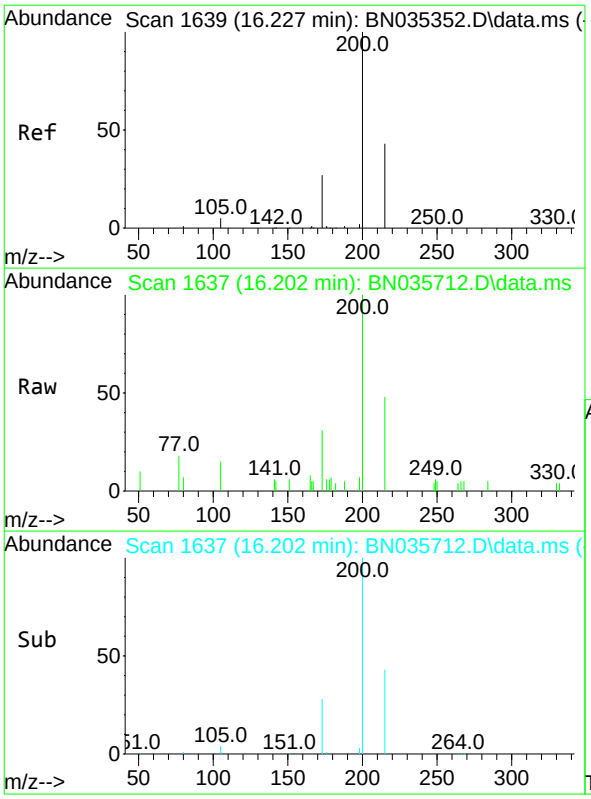


#22
Hexachlorobenzene
Concen: 0.412 ng
RT: 16.016 min Scan# 1622
Delta R.T. 0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Tgt Ion:284 Resp: 3215

Ion	Ratio	Lower	Upper
284	100		
142	30.7	26.7	40.1
249	30.6	24.6	36.8

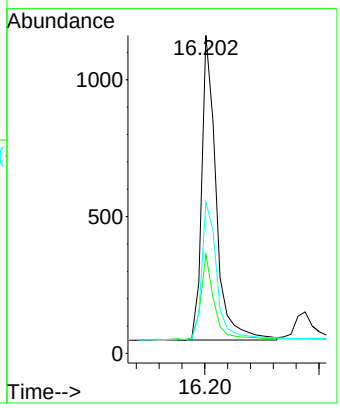




#23
Atrazine
Concen: 0.411 ng
RT: 16.202 min Scan# 16
Delta R.T. 0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Tgt Ion:200 Resp: 1947

Ion	Ratio	Lower	Upper
200	100		
173	31.2	24.1	36.1
215	47.6	36.9	55.3



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

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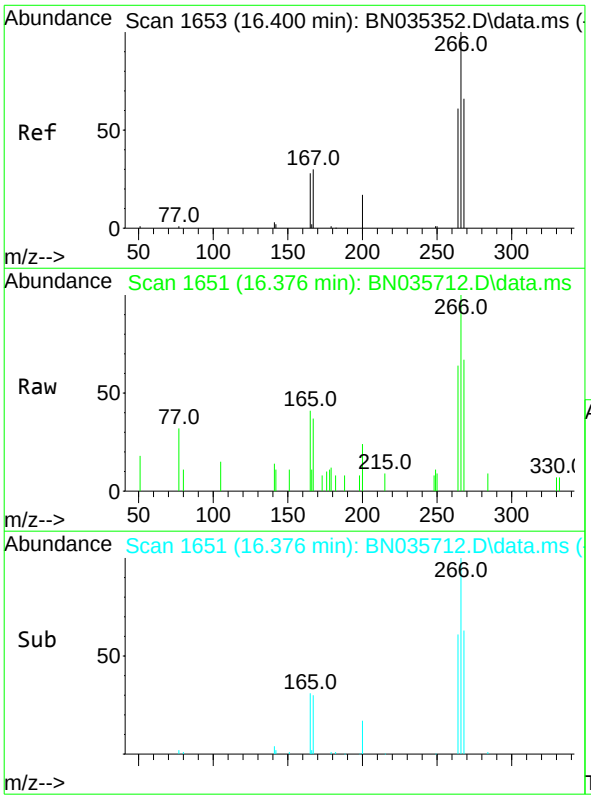
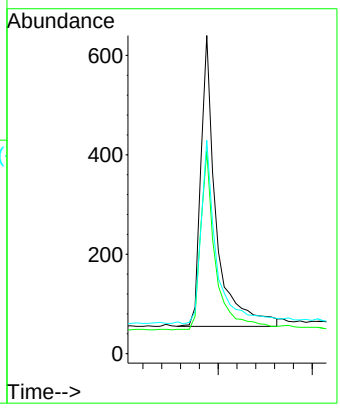
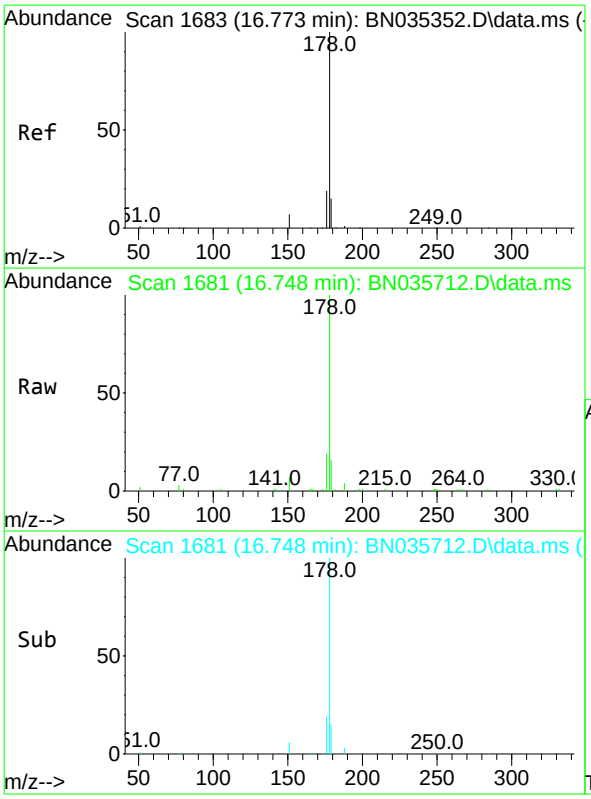


#24
Pentachlorophenol
Concen: 0.389 ng
RT: 16.376 min Scan# 1651
Delta R.T. 0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Tgt Ion:266 Resp: 1321

Ion	Ratio	Lower	Upper
266	100		
264	60.0	42.3	63.5
268	62.8	43.3	64.9

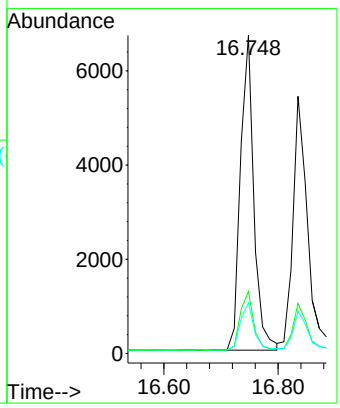




#25
Phenanthrene
Concen: 0.347 ng
RT: 16.748 min Scan# 16
Delta R.T. 0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Tgt Ion:178 Resp: 10836

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	15.4	12.3	18.5



Instrument :
BNA_N
ClientSampleId :
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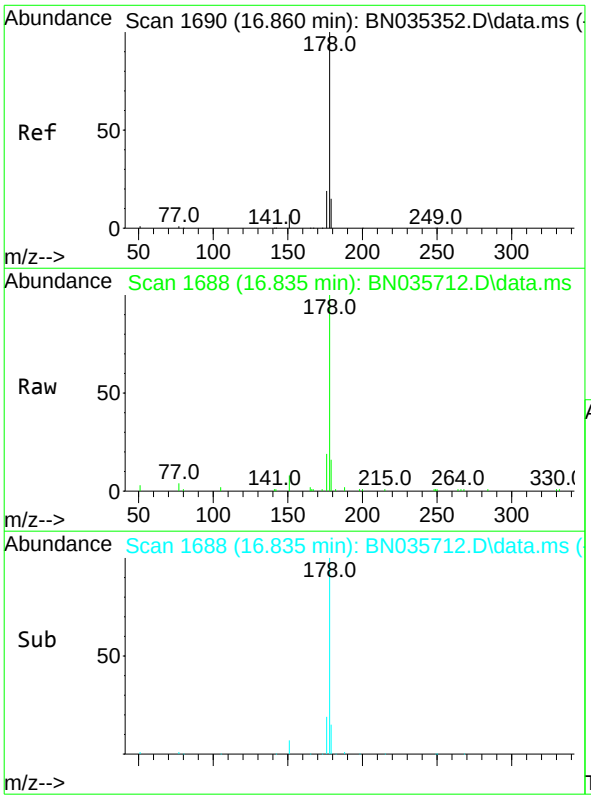
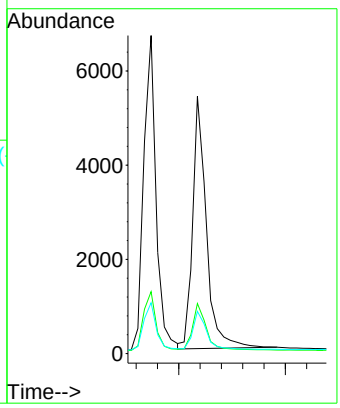
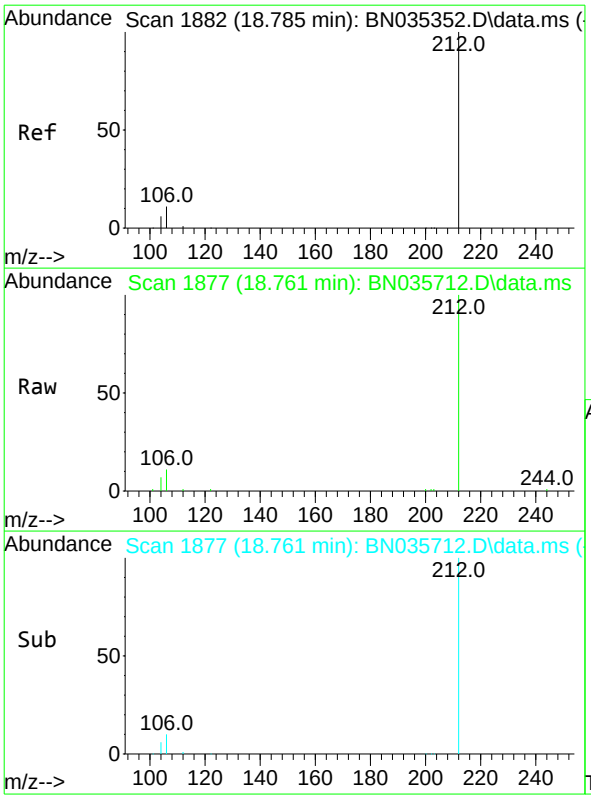


#26
Anthracene
Concen: 0.338 ng
RT: 16.835 min Scan# 1688
Delta R.T. 0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Tgt Ion:178 Resp: 9563

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.6
179	15.4	12.6	18.8

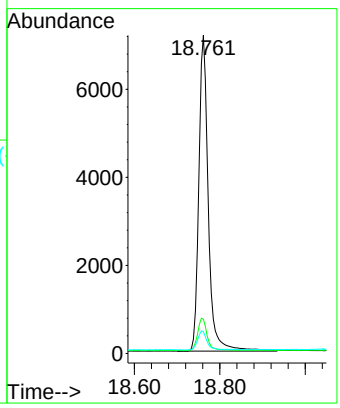




#27
Fluoranthene-d10
Concen: 0.343 ng
RT: 18.761 min Scan# 18
Delta R.T. 0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Tgt Ion:212 Resp: 11047

Ion	Ratio	Lower	Upper
212	100		
106	10.4	9.2	13.8
104	6.0	5.3	7.9



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

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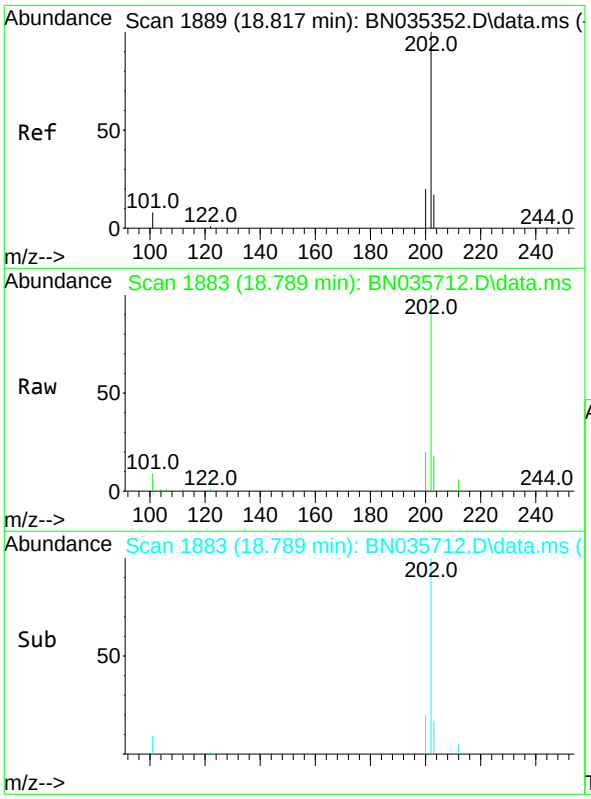
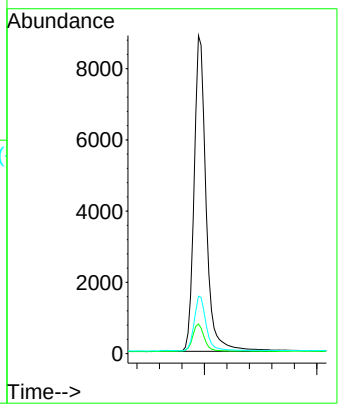
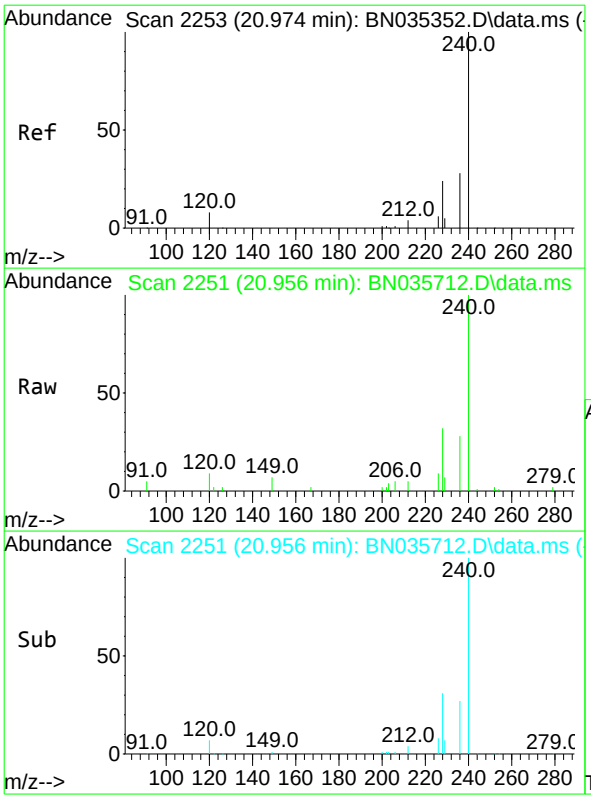


#28
Fluoranthene
Concen: 0.313 ng
RT: 18.789 min Scan# 1883
Delta R.T. 0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Tgt Ion:202 Resp: 13173

Ion	Ratio	Lower	Upper
202	100		
101	9.0	7.4	11.0
203	17.2	13.7	20.5

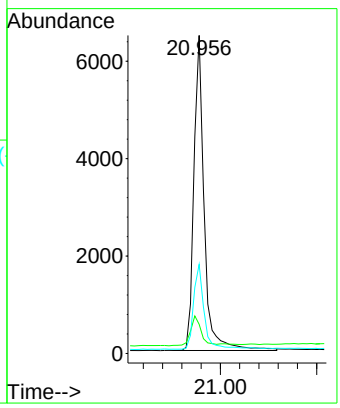




#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.956 min Scan# 22
Delta R.T. 0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Tgt Ion:240 Resp: 9644

Ion	Ratio	Lower	Upper
240	100		
120	9.2	7.9	11.9
236	28.0	22.9	34.3



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

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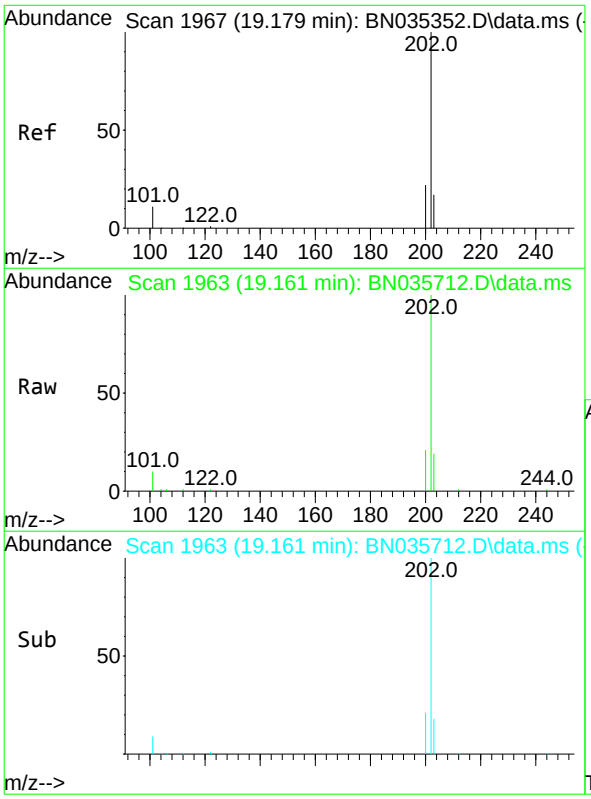
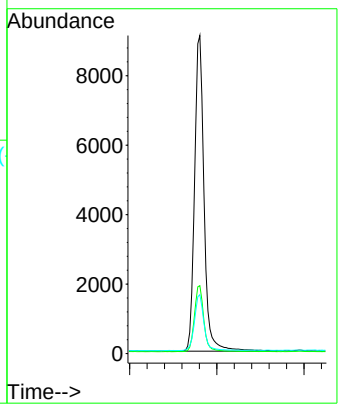
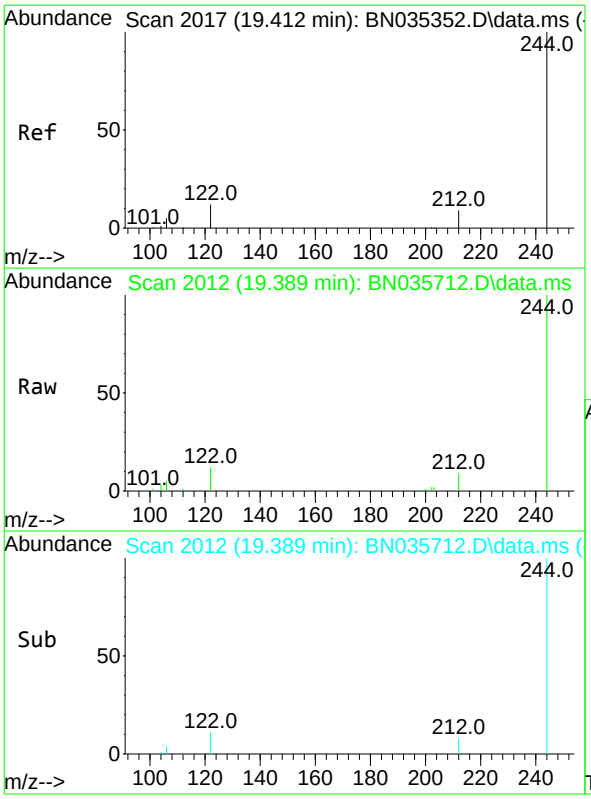


#30
Pyrene
Concen: 0.387 ng
RT: 19.161 min Scan# 1963
Delta R.T. 0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Tgt Ion:202 Resp: 13762

Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.0	25.4
203	17.7	14.3	21.5

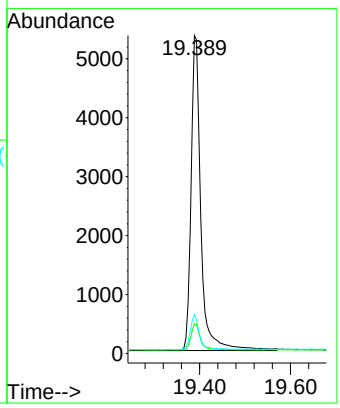




#31
Terphenyl-d14
Concen: 0.420 ng
RT: 19.389 min Scan# 20
Delta R.T. 0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Tgt Ion:244 Resp: 7984

Ion	Ratio	Lower	Upper
244	100		
212	9.4	8.1	12.1
122	12.2	10.3	15.5



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

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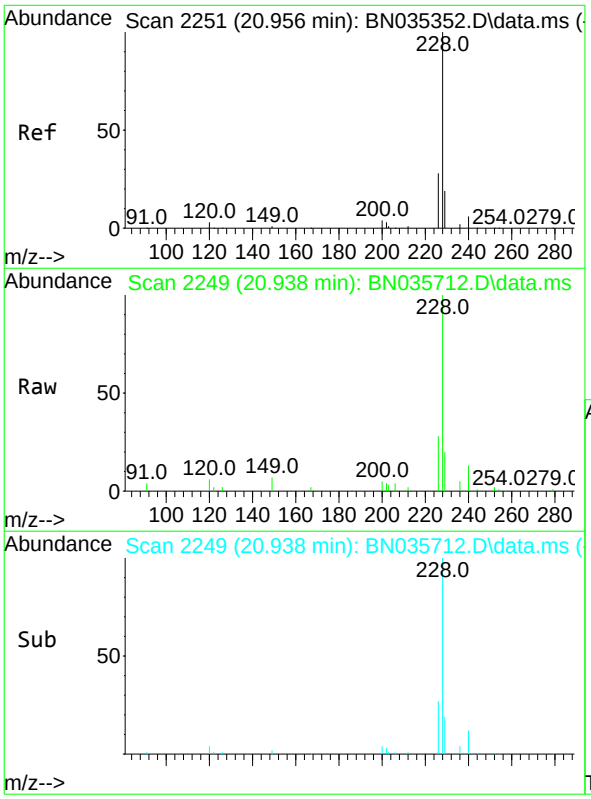
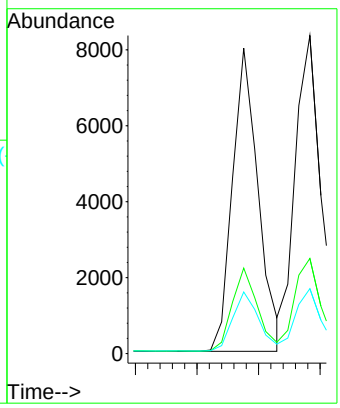
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

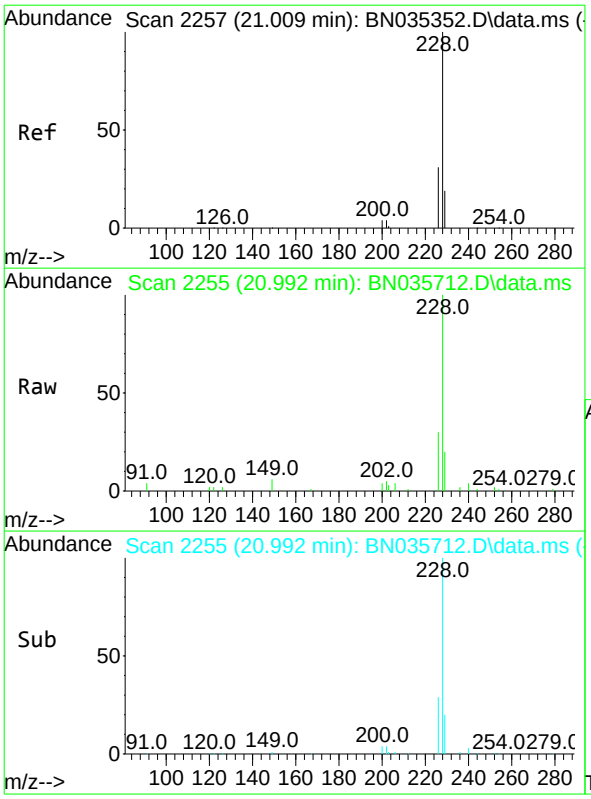


#32
Benzo(a)anthracene
Concen: 0.344 ng
RT: 20.938 min Scan# 2249
Delta R.T. 0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Tgt Ion:228 Resp: 11616

Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.5	33.7
229	20.2	15.8	23.8

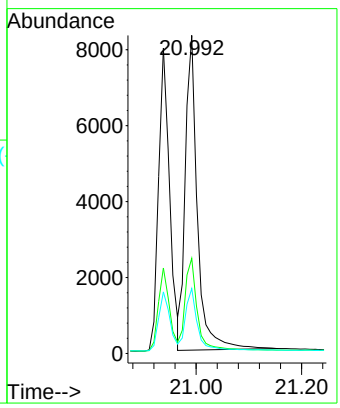




#33
Chrysene
Concen: 0.380 ng
RT: 20.992 min Scan# 22
Delta R.T. 0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Tgt Ion:228 Resp: 13207

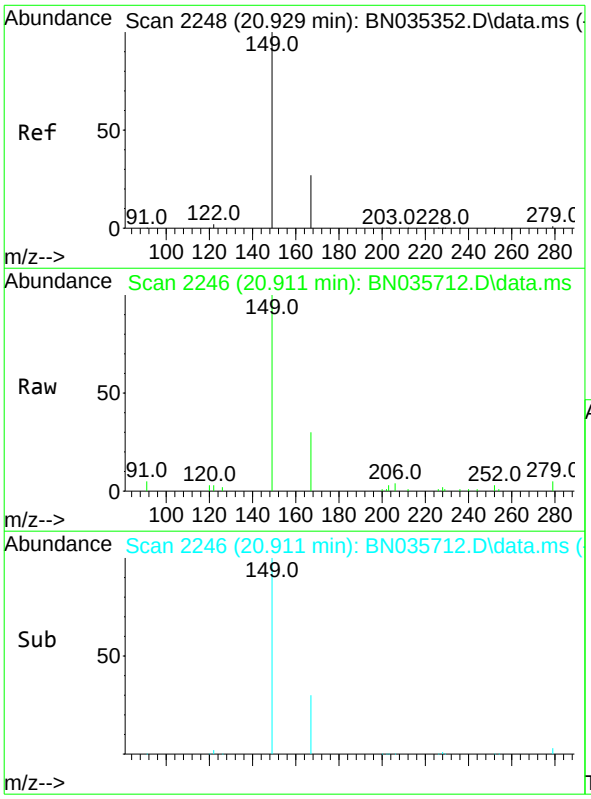
Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.6	37.0
229	20.4	15.9	23.9



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Manual Integrations
APPROVED

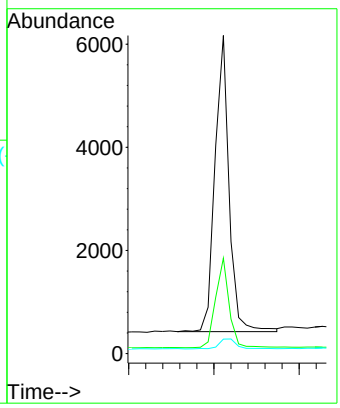
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

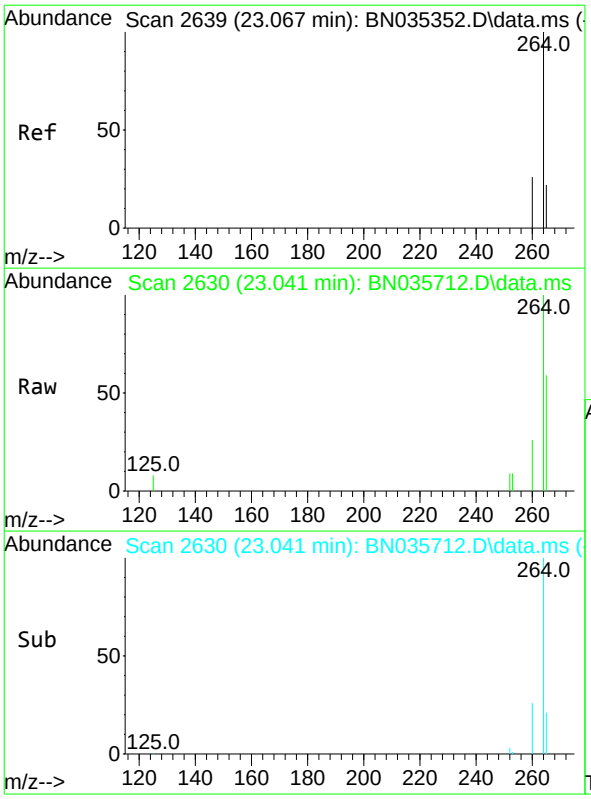


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.496 ng
RT: 20.911 min Scan# 2246
Delta R.T. 0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Tgt Ion:149 Resp: 6603

Ion	Ratio	Lower	Upper
149	100		
167	29.0	22.2	33.4
279	4.2	2.7	4.1#

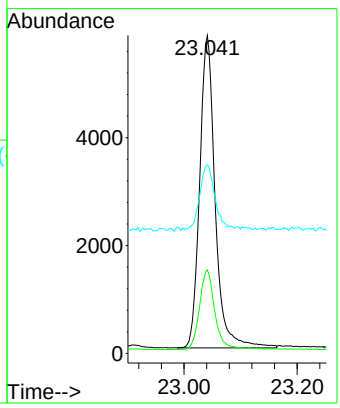




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.041 min Scan# 26
Delta R.T. 0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Tgt Ion:264 Resp: 11002

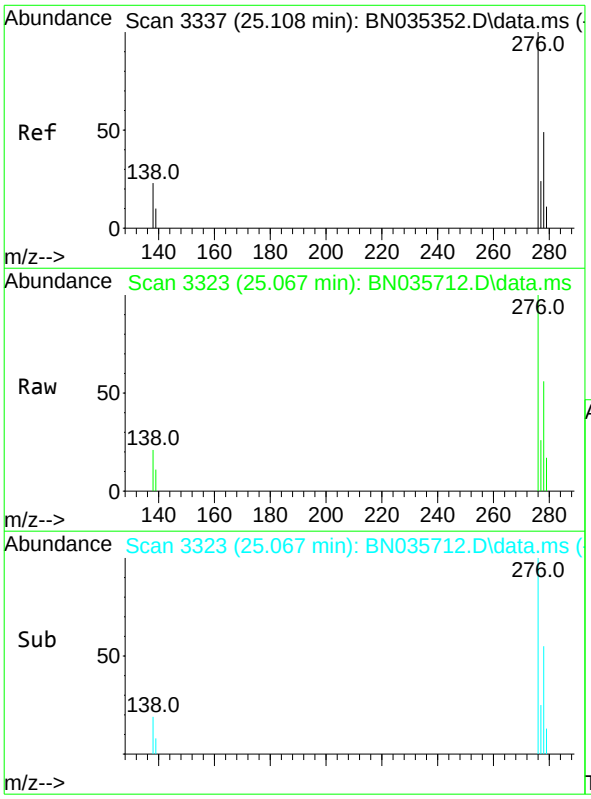
Ion	Ratio	Lower	Upper
264	100		
260	26.3	21.4	32.2
265	59.3	40.2	60.4



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Manual Integrations
APPROVED

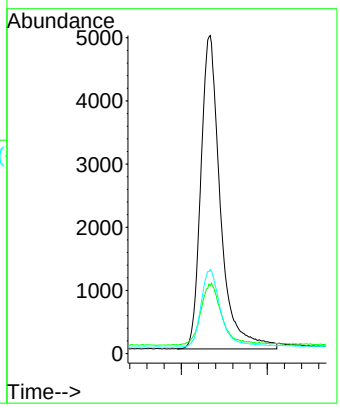
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

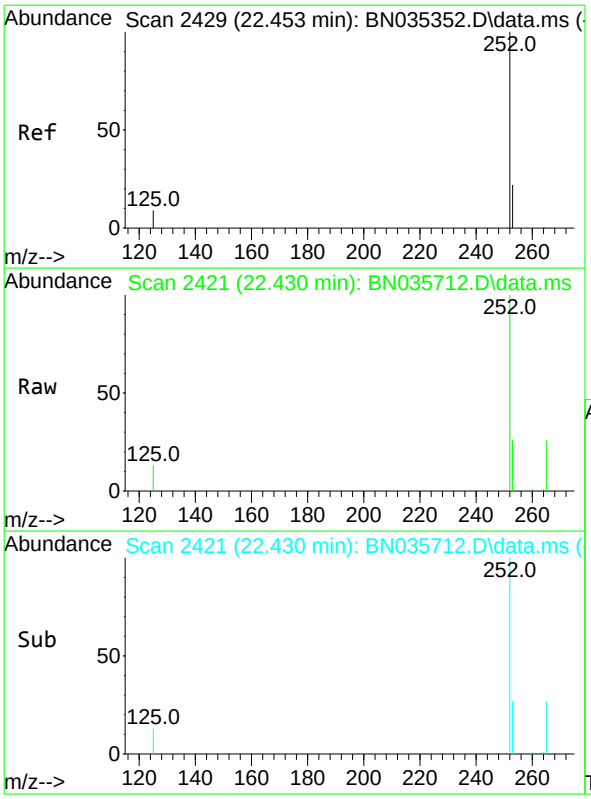


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.366 ng
RT: 25.067 min Scan# 3323
Delta R.T. 0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Tgt Ion:276 Resp: 15727

Ion	Ratio	Lower	Upper
276	100		
138	20.5	19.4	29.0
277	24.8	19.8	29.6





#37
Benzo(b)fluoranthene
Concen: 0.435 ng
RT: 22.430 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

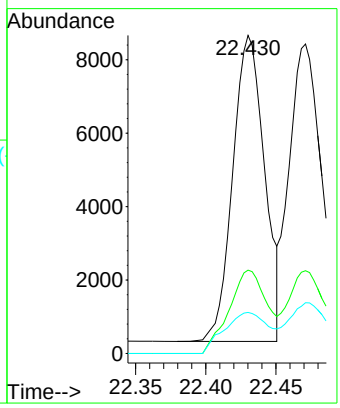
Tgt Ion:252 Resp: 17502

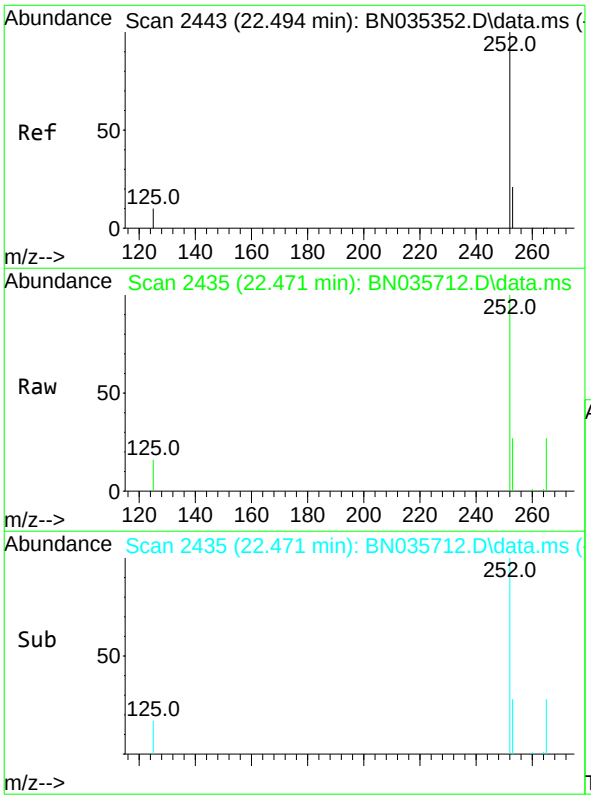
Ion	Ratio	Lower	Upper
252	100		
253	26.2	19.6	29.4
125	12.9	9.6	14.4

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

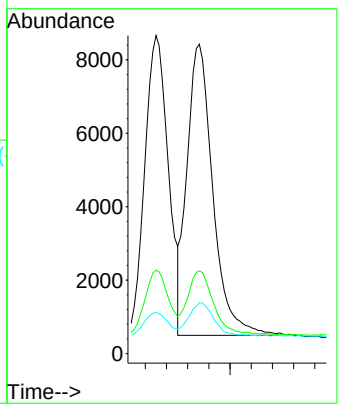


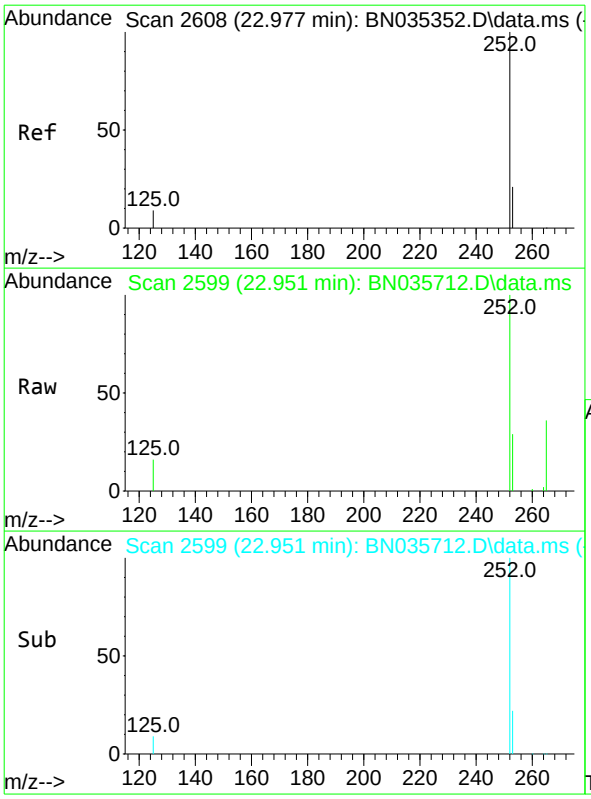


#38
Benzo(k)fluoranthene
Concen: 0.339 ng m
RT: 22.471 min Scan# 2435
Delta R.T. 0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Tgt Ion:252 Resp: 13440

Ion	Ratio	Lower	Upper
252	100		
253	26.7	19.5	29.3
125	16.4	10.2	15.4#

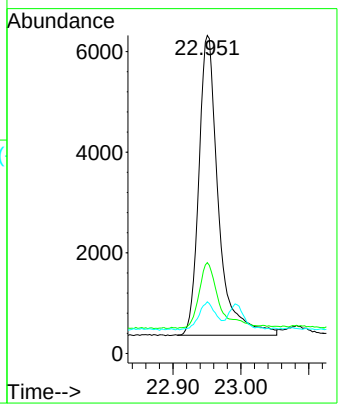




#39
Benzo(a)pyrene
Concen: 0.359 ng
RT: 22.951 min Scan# 25
Delta R.T. 0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Tgt Ion:252 Resp: 11908

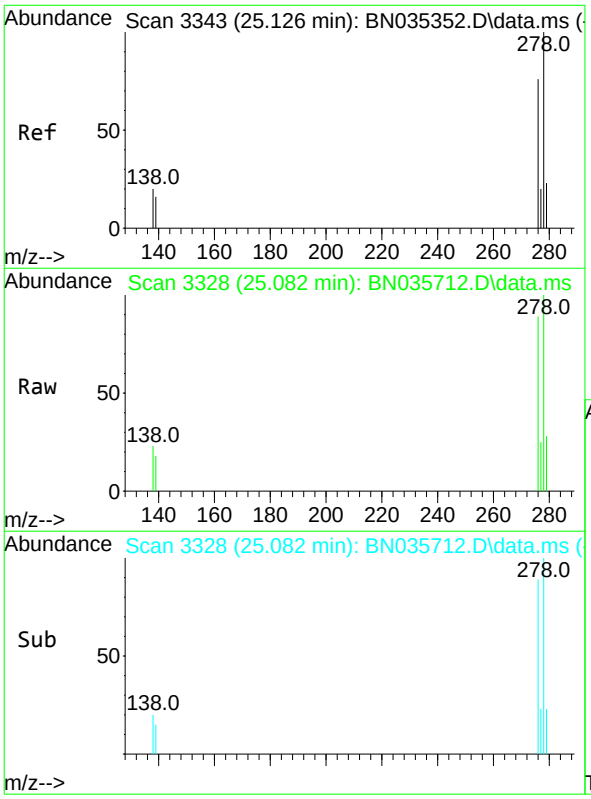
Ion	Ratio	Lower	Upper
252	100		
253	28.6	20.2	30.4
125	16.2	10.9	16.3



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Manual Integrations
APPROVED

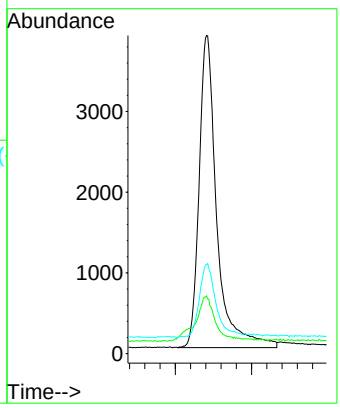
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

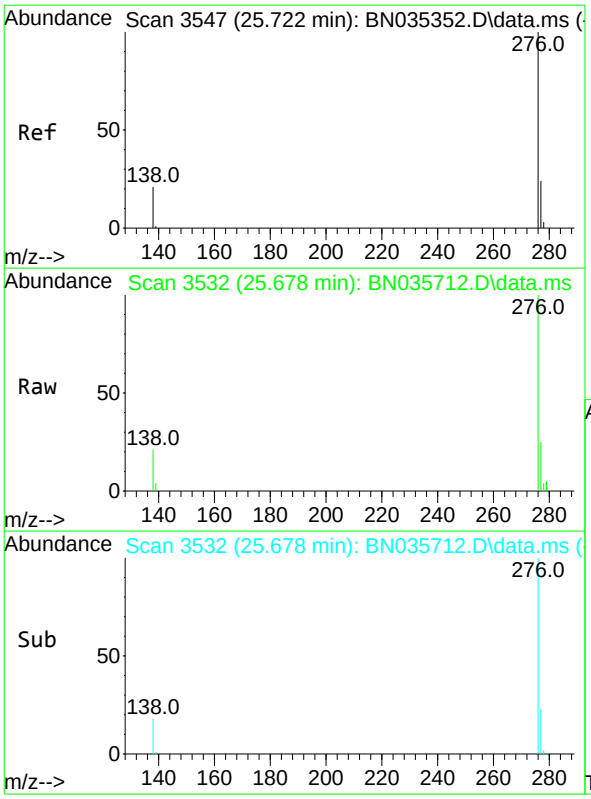


#40
Dibenzo(a,h)anthracene
Concen: 0.366 ng
RT: 25.082 min Scan# 3328
Delta R.T. 0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Tgt Ion:278 Resp: 12408

Ion	Ratio	Lower	Upper
278	100		
139	18.1	14.2	21.4
279	28.0	20.5	30.7

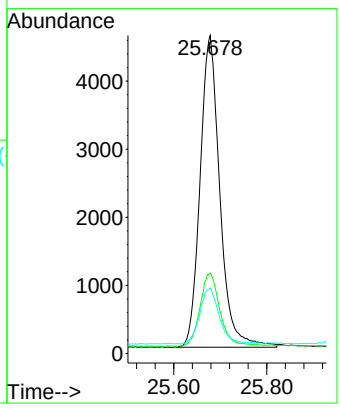




#41
Benzo(g,h,i)perylene
Concen: 0.381 ng
RT: 25.678 min Scan# 35
Delta R.T. 0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Tgt Ion:276 Resp: 13508

Ion	Ratio	Lower	Upper
276	100		
277	25.3	19.9	29.9
138	20.7	17.8	26.8



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035712.D
Acq On : 19 Dec 2024 19:23
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Quant Time: Dec 19 23:11:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	148	0.00
2		1,4-Dioxane	0.382	0.401	-5.0	157#	0.00
3		n-Nitrosodimethylamine	0.319	0.318	0.3	144	0.00
4	S	2-Fluorophenol	1.001	1.050	-4.9	152#	0.00
5	S	Phenol-d6	1.204	1.220	-1.3	151#	0.00
6		bis(2-Chloroethyl)ether	1.012	0.944	6.7	140	0.00
7	I	Naphthalene-d8	1.000	1.000	0.0	159#	0.00
8	S	Nitrobenzene-d5	0.244	0.281	-15.2	190#	0.00
9		Naphthalene	1.055	0.991	6.1	151#	0.00
10		Hexachlorobutadiene	0.243	0.261	-7.4	168#	0.00
11	SURR	2-Methylnaphthalene-d10	0.626	0.594	5.1	153#	0.00
12		2-Methylnaphthalene	0.755	0.666	11.8	143	0.00
13	I	Acenaphthene-d10	1.000	1.000	0.0	140	0.00
14	S	2,4,6-Tribromophenol	0.284	0.247	13.0	134	0.00
15	S	2-Fluorobiphenyl	1.512	1.414	6.5	131	0.00
16		Acenaphthylene	1.680	1.483	11.7	130	0.00
17		Acenaphthene	1.115	0.998	10.5	128	0.00
18		Fluorene	1.596	1.376	13.8	124	0.00
19	I	Phenanthrene-d10	1.000	1.000	0.0	120	0.00
20		4,6-Dinitro-2-methylphenol	0.039	0.008	79.5#	28#	0.00
21		4-Bromophenyl-phenylether	0.234	0.204	12.8	108	0.00
22		Hexachlorobenzene	0.275	0.283	-2.9	124	0.00
23		Atrazine	0.167	0.171	-2.4	133	0.00
24		Pentachlorophenol	0.120	0.116	3.3	146	0.00
25		Phenanthrene	1.099	0.953	13.3	107	0.00
26		Anthracene	0.994	0.841	15.4	107	0.00
27	SURR	Fluoranthene-d10	1.134	0.971	14.4	108	0.00
28		Fluoranthene	1.481	1.158	21.8	98	0.00
29	I	Chrysene-d12	1.000	1.000	0.0	101	0.00
30		Pyrene	1.477	1.427	3.4	98	0.00
31	S	Terphenyl-d14	0.789	0.828	-4.9	106	0.00
32		Benzo(a)anthracene	1.399	1.204	13.9	90	0.00
33		Chrysene	1.443	1.369	5.1	96	0.00
34		Bis(2-ethylhexyl)phthalate	0.553	0.685	-23.9	134	0.00
35	I	Perylene-d12	1.000	1.000	0.0	101	0.00
36		Indeno(1,2,3-cd)pyrene	1.564	1.429	8.6	95	0.00
37		Benzo(b)fluoranthene	1.463	1.591	-8.7	123	0.00
38		Benzo(k)fluoranthene	1.440	1.222	15.1	88	0.00
39	C	Benzo(a)pyrene	1.205	1.082	10.2	96	0.00
40		Dibenzo(a,h)anthracene	1.234	1.128	8.6	96	0.00
41		Benzo(g,h,i)perylene	1.289	1.228	4.7	100	0.00

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035712.D
Acq On : 19 Dec 2024 19:23
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Quant Time: Dec 19 23:11:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	0.400	0.400	0.0	148	0.00
2		1,4-Dioxane	0.400	0.420	-5.0	157	0.00
3		n-Nitrosodimethylamine	0.400	0.400	0.0	144	0.00
4	S	2-Fluorophenol	0.400	0.419	-4.7	152	0.00
5	S	Phenol-d6	0.400	0.405	-1.3	151	0.00
6		bis(2-Chloroethyl)ether	0.400	0.373	6.8	140	0.00
7	I	Naphthalene-d8	0.400	0.400	0.0	159	0.00
8	S	Nitrobenzene-d5	0.400	0.460	-15.0	190	0.00
9		Naphthalene	0.400	0.376	6.0	151	0.00
10		Hexachlorobutadiene	0.400	0.429	-7.2	168	0.00
11	SURR	2-Methylnaphthalene-d10	0.400	0.379	5.3	153	0.00
12		2-Methylnaphthalene	0.400	0.352	12.0	143	0.00
13	I	Acenaphthene-d10	0.400	0.400	0.0	140	0.00
14	S	2,4,6-Tribromophenol	0.400	0.348	13.0	134	0.00
15	S	2-Fluorobiphenyl	0.400	0.374	6.5	131	0.00
16		Acenaphthylene	0.400	0.353	11.8	130	0.00
17		Acenaphthene	0.400	0.358	10.5	128	0.00
18		Fluorene	0.400	0.345	13.8	124	0.00
19	I	Phenanthrene-d10	0.400	0.400	0.0	120	0.00
20		4,6-Dinitro-2-methylphenol	0.400	0.086	78.5#	28	0.00
21		4-Bromophenyl-phenylether	0.400	0.348	13.0	108	0.00
22		Hexachlorobenzene	0.400	0.412	-3.0	124	0.00
23		Atrazine	0.400	0.411	-2.7	133	0.00
24		Pentachlorophenol	0.400	0.389	2.8	146	0.00
25		Phenanthrene	0.400	0.347	13.3	107	0.00
26		Anthracene	0.400	0.338	15.5	107	0.00
27	SURR	Fluoranthene-d10	0.400	0.343	14.2	108	0.00
28		Fluoranthene	0.400	0.313	21.8	98	0.00
29	I	Chrysene-d12	0.400	0.400	0.0	101	0.00
30		Pyrene	0.400	0.387	3.3	98	0.00
31	S	Terphenyl-d14	0.400	0.420	-5.0	106	0.00
32		Benzo(a)anthracene	0.400	0.344	14.0	90	0.00
33		Chrysene	0.400	0.380	5.0	96	0.00
34		Bis(2-ethylhexyl)phthalate	0.400	0.496	-24.0	134	0.00
35	I	Perylene-d12	0.400	0.400	0.0	101	0.00
36		Indeno(1,2,3-cd)pyrene	0.400	0.366	8.5	95	0.00
37		Benzo(b)fluoranthene	0.400	0.435	-8.7	123	0.00
38		Benzo(k)fluoranthene	0.400	0.339	15.3	88	0.00
39	C	Benzo(a)pyrene	0.400	0.359	10.3	96	0.00
40		Dibenzo(a,h)anthracene	0.400	0.366	8.5	96	0.00
41		Benzo(g,h,i)perylene	0.400	0.381	4.8	100	0.00

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

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: P5261 SAS No.: P5261 SDG No.: P5261

Instrument ID: BNA_N Calibration Date/Time: 12/20/2024 06:10

Lab File ID: BN035729.D Init. Calib. Date(s): 11/27/2024 11/27/2024

EPA Sample No.: SSTDCCC0.4EC Init. Calib. Time(s): 15:34 19:09

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.626	0.556		-11.2	50.0
Fluoranthene-d10	1.134	0.989		-12.8	50.0
2-Fluorophenol	1.001	0.994		-0.7	50.0
Phenol-d6	1.204	1.157		-3.9	50.0
Nitrobenzene-d5	0.244	0.289		18.4	50.0
2-Fluorobiphenyl	1.512	1.466		-3.0	50.0
2,4,6-Tribromophenol	0.284	0.212		-25.4	50.0
Terphenyl-d14	0.789	0.830		5.2	50.0
1,4-Dioxane	0.382	0.384		0.5	50.0

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035729.D
Acq On : 20 Dec 2024 06:10
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Dec 20 06:34:16 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.272	152	3165	0.400	ng	0.00
7) Naphthalene-d8	10.020	136	8502	0.400	ng	# 0.00
13) Acenaphthene-d10	13.924	164	4899	0.400	ng	-0.01
19) Phenanthrene-d10	16.698	188	9568	0.400	ng	# 0.00
29) Chrysene-d12	20.956	240	8180	0.400	ng	0.00
35) Perylene-d12	23.038	264	9191	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.939	112	3146	0.397	ng	0.00
5) Phenol-d6	6.484	99	3662	0.384	ng	0.00
8) Nitrobenzene-d5	8.408	82	2456m	0.473	ng	0.00
11) 2-Methylnaphthalene-d10	11.621	152	4731	0.356	ng	0.00
14) 2,4,6-Tribromophenol	15.453	330	1038	0.298	ng	0.00
15) 2-Fluorobiphenyl	12.544	172	7182	0.388	ng	0.00
27) Fluoranthene-d10	18.761	212	9464	0.349	ng	0.00
31) Terphenyl-d14	19.393	244	6786	0.421	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.982	88	1215	0.402	ng	# 95
3) n-Nitrosodimethylamine	3.278	42	1040	0.413	ng	# 94
6) bis(2-Chloroethyl)ether	6.723	93	2915	0.364	ng	97
9) Naphthalene	10.063	128	8361	0.373	ng	100
10) Hexachlorobutadiene	10.362	225	2218	0.429	ng	# 100
12) 2-Methylnaphthalene	11.697	142	5342	0.333	ng	99
16) Acenaphthylene	13.646	152	7309	0.355	ng	99
17) Acenaphthene	13.989	154	4928	0.361	ng	98
18) Fluorene	15.004	166	6392	0.327	ng	100
20) 4,6-Dinitro-2-methylph...	15.122	198	83	0.088	ng	# 1
21) 4-Bromophenyl-phenylether	15.916	248	1999	0.357	ng	96
22) Hexachlorobenzene	16.016	284	2823	0.430	ng	97
23) Atrazine	16.202	200	1573	0.395	ng	97
24) Pentachlorophenol	16.376	266	893	0.312	ng	# 87
25) Phenanthrene	16.748	178	9182	0.349	ng	100
26) Anthracene	16.835	178	8187	0.344	ng	100
28) Fluoranthene	18.789	202	11532	0.325	ng	99
30) Pyrene	19.161	202	11959	0.396	ng	99
32) Benzo(a)anthracene	20.938	228	9399	0.328	ng	100
33) Chrysene	20.992	228	11530	0.391	ng	99
34) Bis(2-ethylhexyl)phtha...	20.911	149	4956	0.439	ng	98
36) Indeno(1,2,3-cd)pyrene	25.067	276	13154	0.366	ng	95
37) Benzo(b)fluoranthene	22.430	252	14730	0.438	ng	97
38) Benzo(k)fluoranthene	22.471	252	11629m	0.351	ng	
39) Benzo(a)pyrene	22.950	252	9834	0.355	ng	# 92
40) Dibenzo(a,h)anthracene	25.085	278	10124	0.357	ng	96
41) Benzo(g,h,i)perylene	25.678	276	11607	0.392	ng	98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035729.D
Acq On : 20 Dec 2024 06:10
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Dec 20 06:34:16 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations APPROVED

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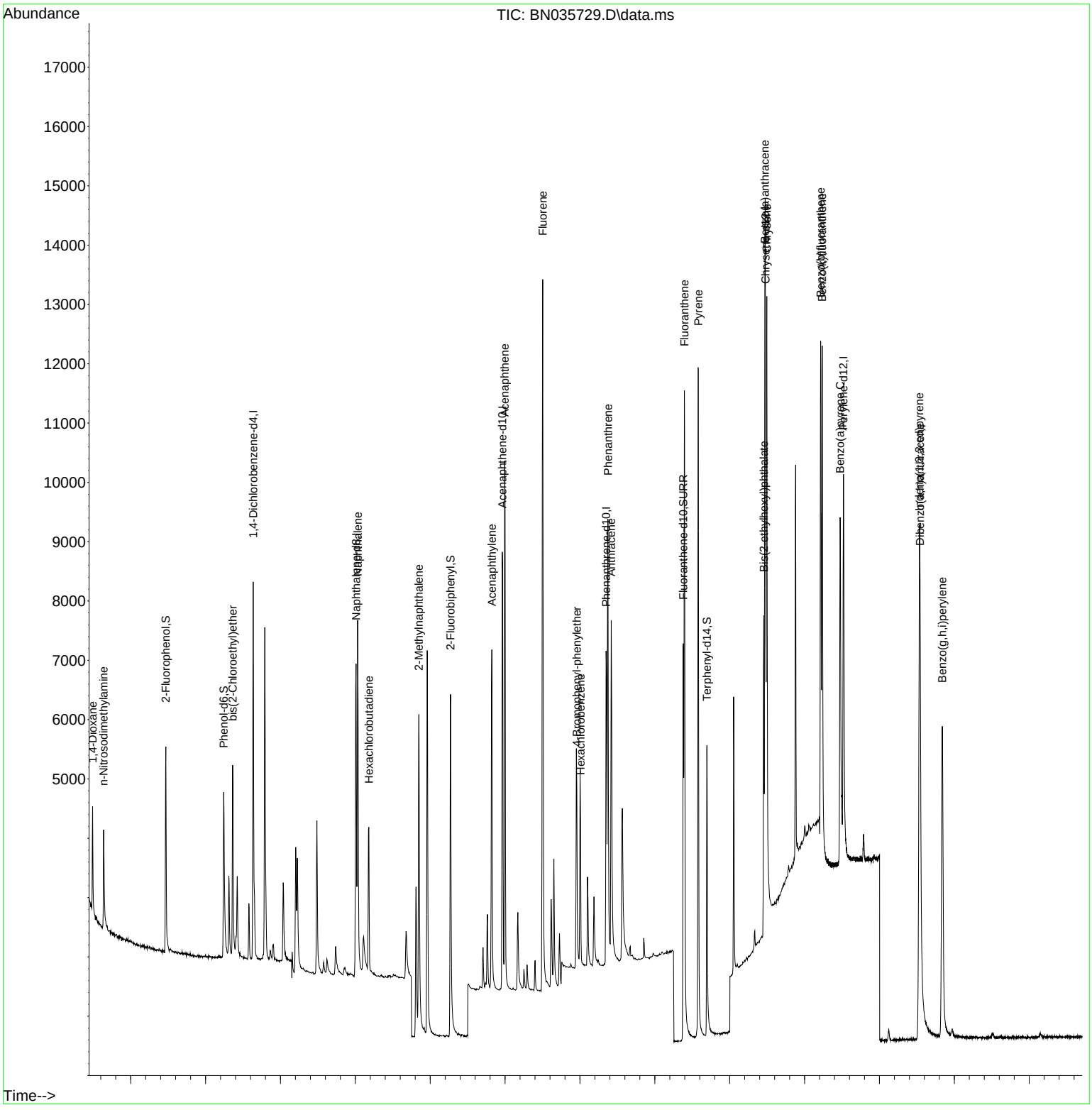
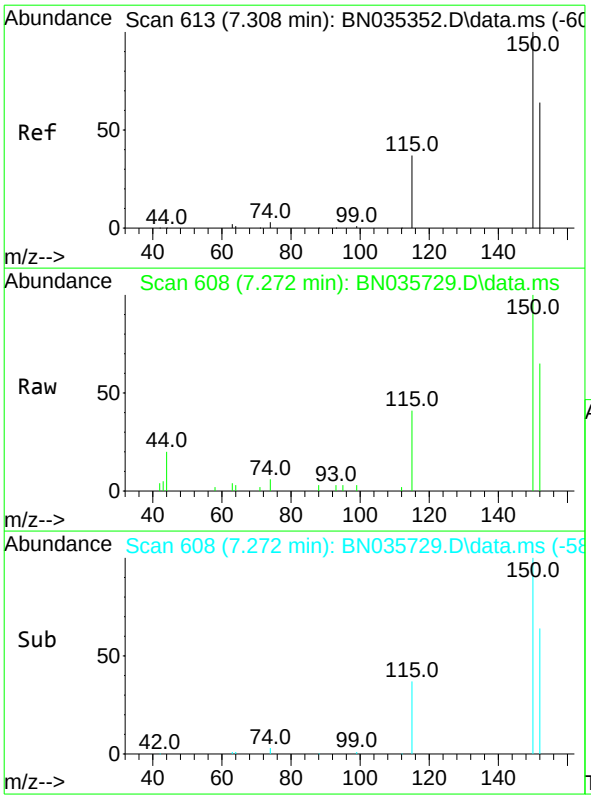
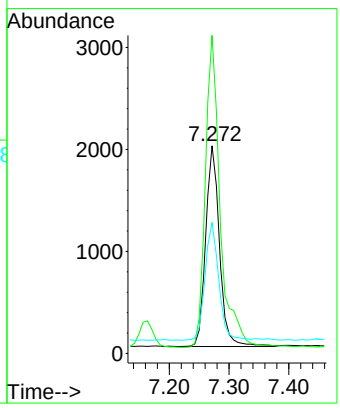




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.272 min Scan# 60
Delta R.T. -0.000 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Tgt Ion:152 Resp: 3165

Ion	Ratio	Lower	Upper
152	100		
150	153.1	124.0	186.0
115	62.9	49.6	74.4



Instrument :
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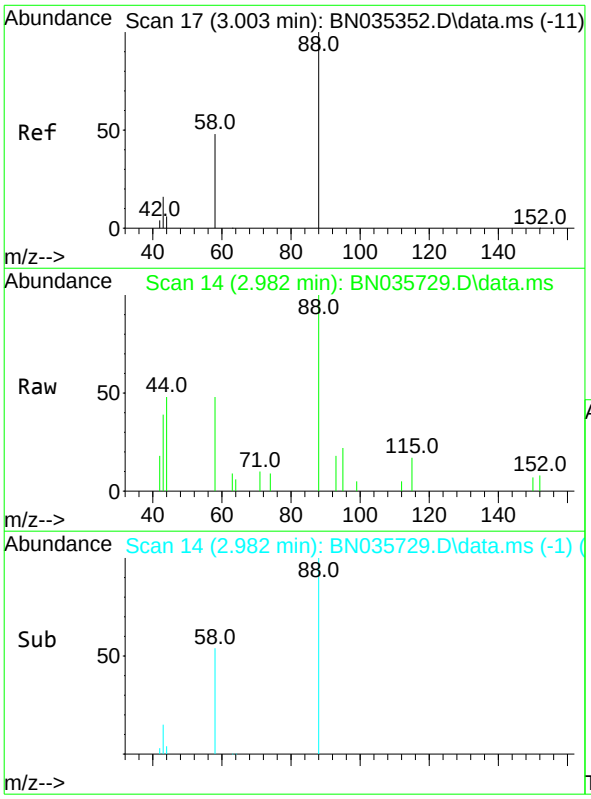
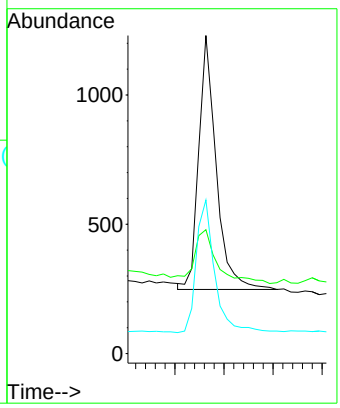
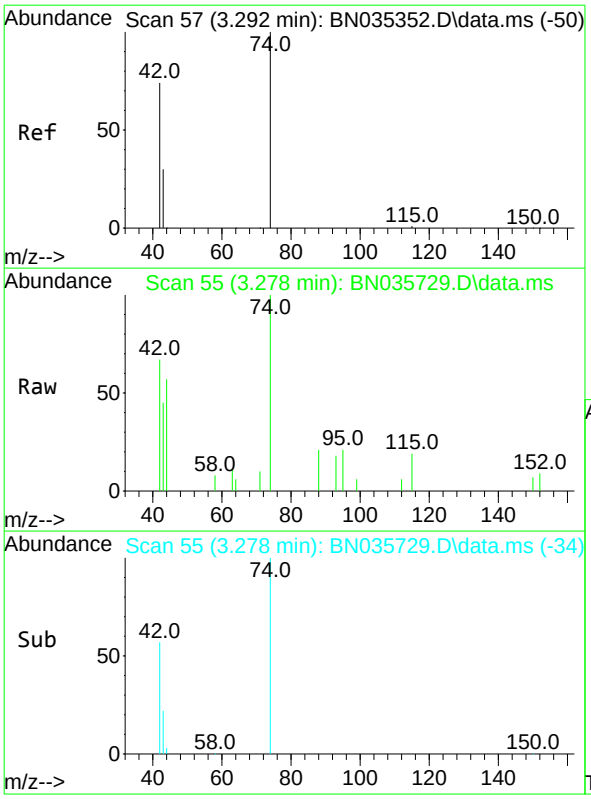


#2
1,4-Dioxane
Concen: 0.402 ng
RT: 2.982 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Tgt Ion: 88 Resp: 1215

Ion	Ratio	Lower	Upper
88	100		
43	28.4	17.2	25.8#
58	55.0	44.5	66.7

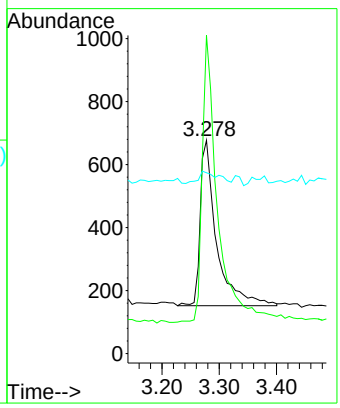




#3
n-Nitrosodimethylamine
Concen: 0.413 ng
RT: 3.278 min Scan# 55
Delta R.T. -0.000 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Tgt Ion: 42 Resp: 1040

Ion	Ratio	Lower	Upper
42	100		
74	163.8	124.9	187.3
44	8.6	2.2	3.4#



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

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Reviewed By :Yogesh Patel 12/21/2024
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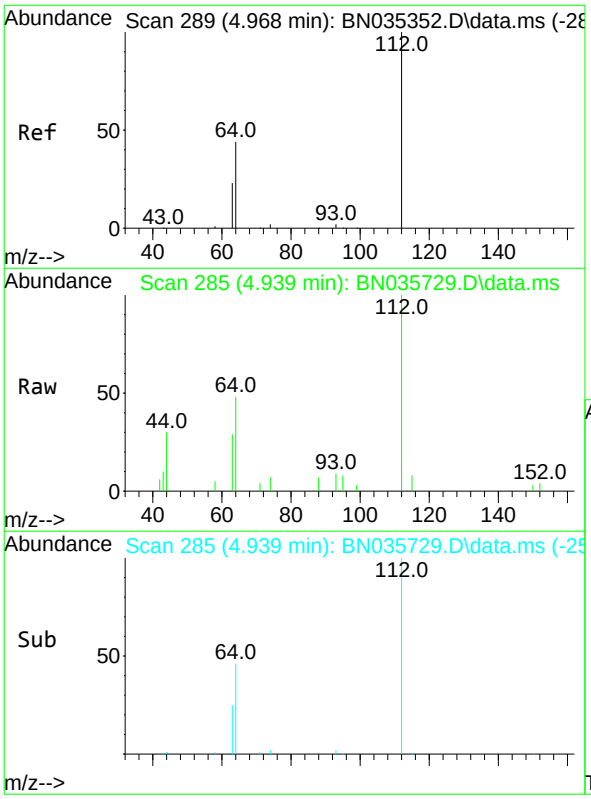
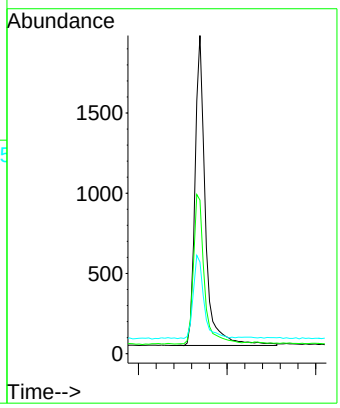
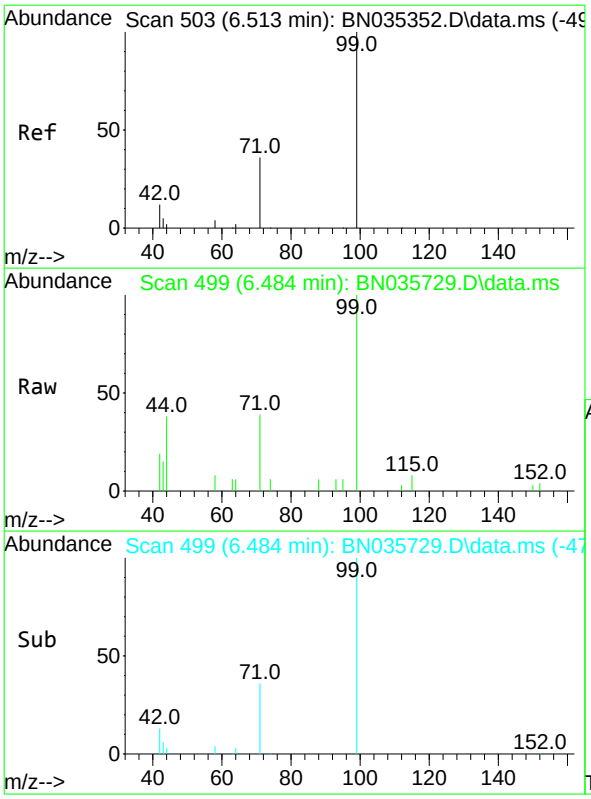


#4
2-Fluorophenol
Concen: 0.397 ng
RT: 4.939 min Scan# 285
Delta R.T. -0.000 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Tgt Ion:112 Resp: 3146

Ion	Ratio	Lower	Upper
112	100		
64	50.4	39.8	59.8
63	27.7	21.0	31.6

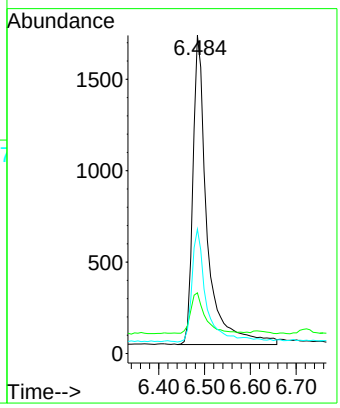




#5
Phenol-d6
Concen: 0.384 ng
RT: 6.484 min Scan# 49
Delta R.T. -0.007 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Tgt Ion: 99 Resp: 3662

Ion	Ratio	Lower	Upper
99	100		
42	13.1	11.4	17.2
71	35.0	29.3	43.9



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations
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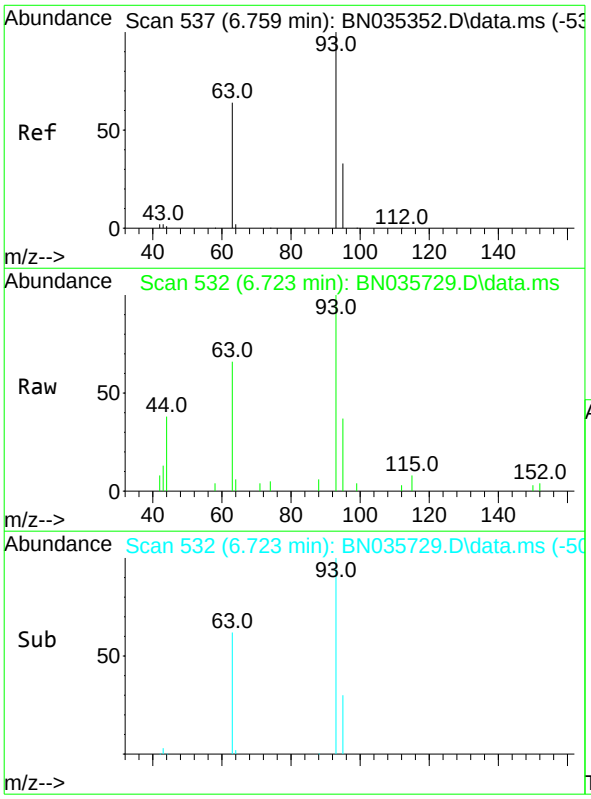
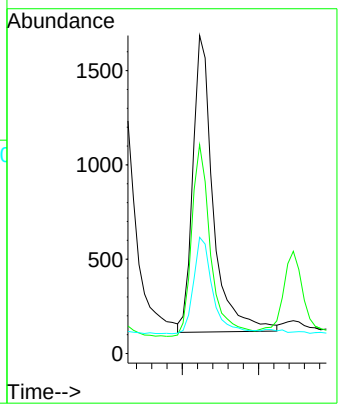
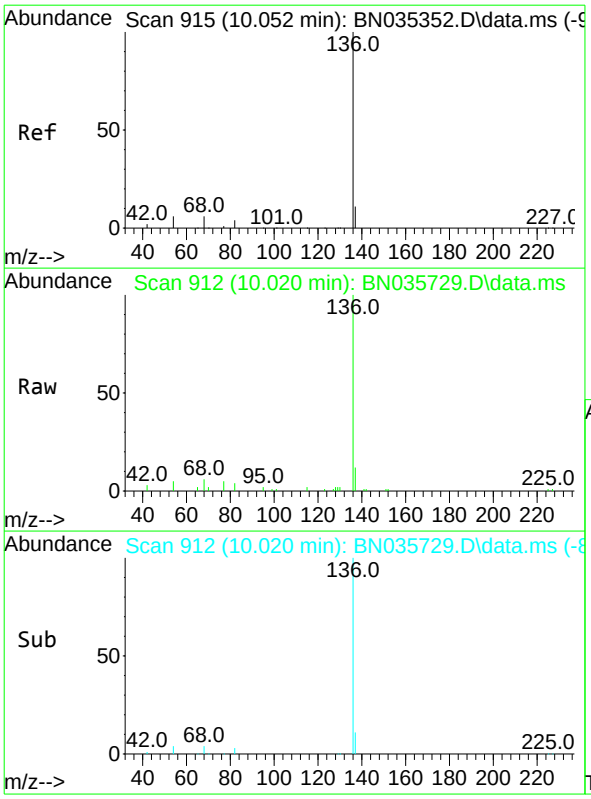


#6
bis(2-Chloroethyl)ether
Concen: 0.364 ng
RT: 6.723 min Scan# 532
Delta R.T. -0.007 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Tgt Ion: 93 Resp: 2915

Ion	Ratio	Lower	Upper
93	100		
63	60.8	50.4	75.6
95	30.7	25.7	38.5

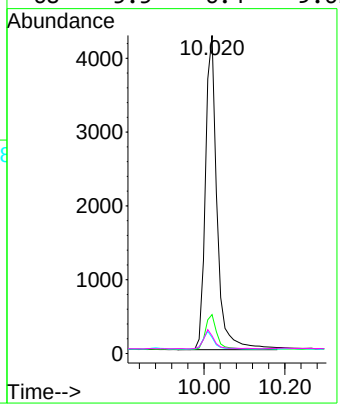




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.020 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Tgt Ion:136 Resp: 8502

Ion	Ratio	Lower	Upper
136	100		
137	12.2	10.2	15.2
54	5.1	6.1	9.1#
68	5.5	6.4	9.6#



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

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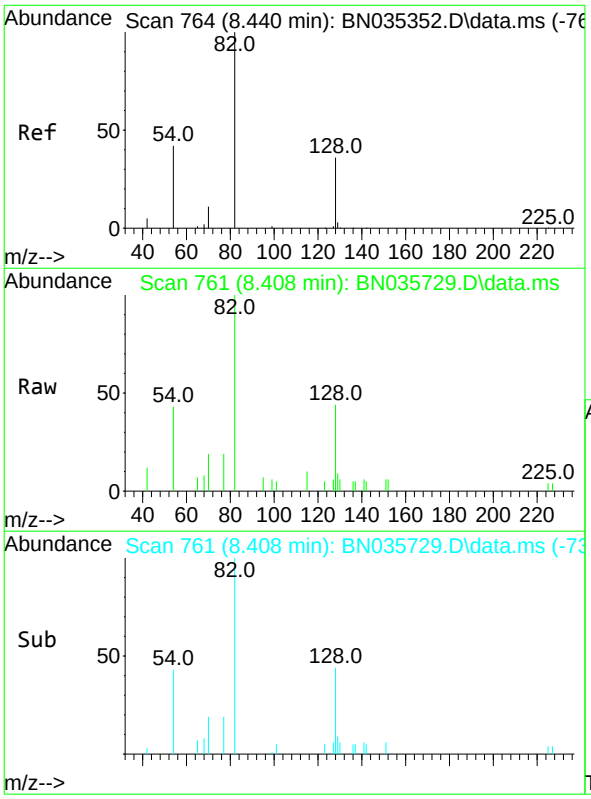
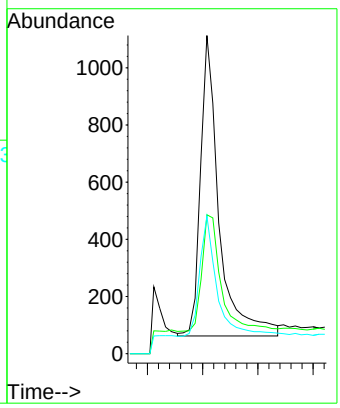
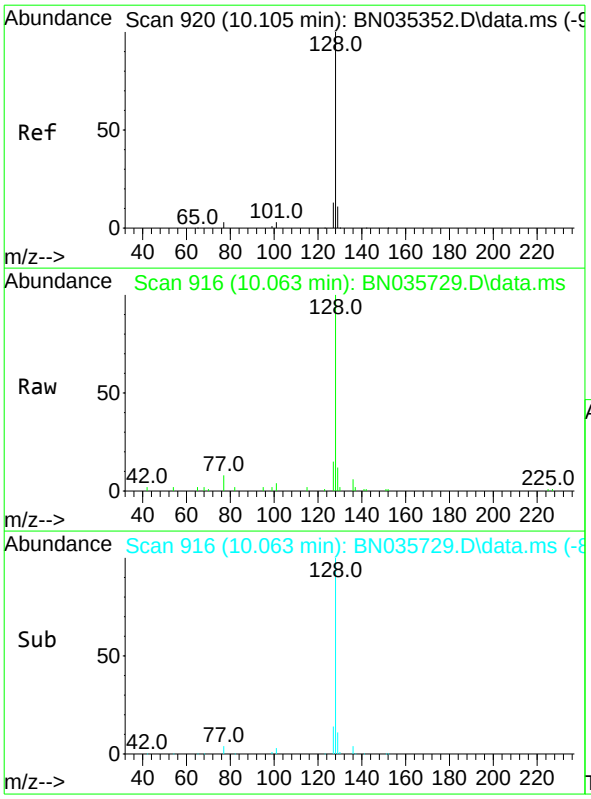


#8
Nitrobenzene-d5
Concen: 0.473 ng m
RT: 8.408 min Scan# 761
Delta R.T. -0.000 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Tgt Ion: 82 Resp: 2456

Ion	Ratio	Lower	Upper
82	100		
128	43.7	33.4	50.0
54	43.2	36.7	55.1

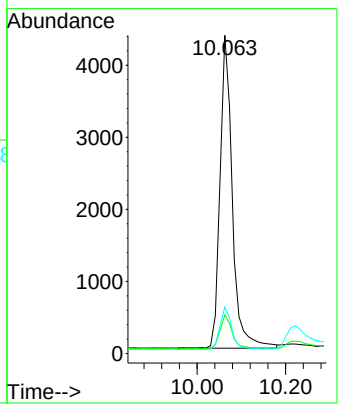




#9
Naphthalene
Concen: 0.373 ng
RT: 10.063 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Tgt Ion:128 Resp: 8361

Ion	Ratio	Lower	Upper
128	100		
129	12.1	9.8	14.6
127	14.6	11.4	17.2



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

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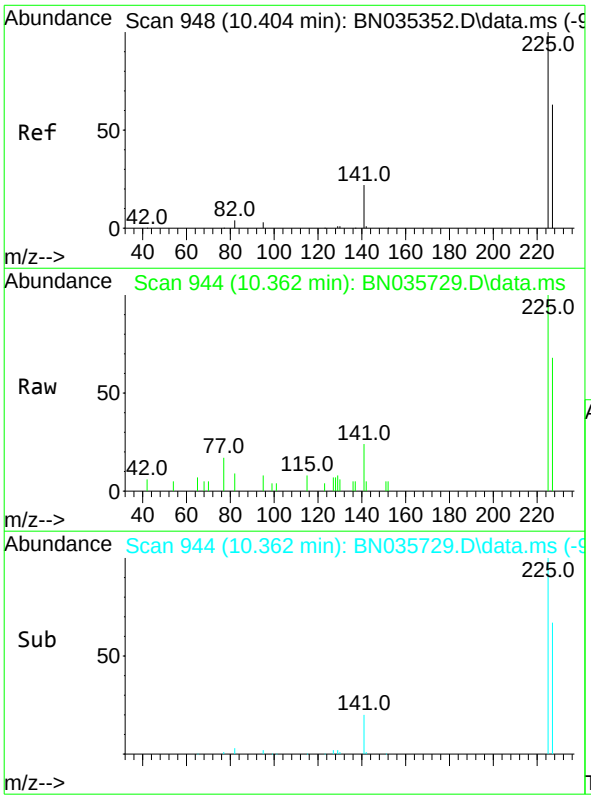
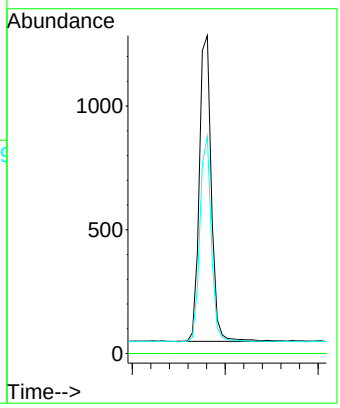
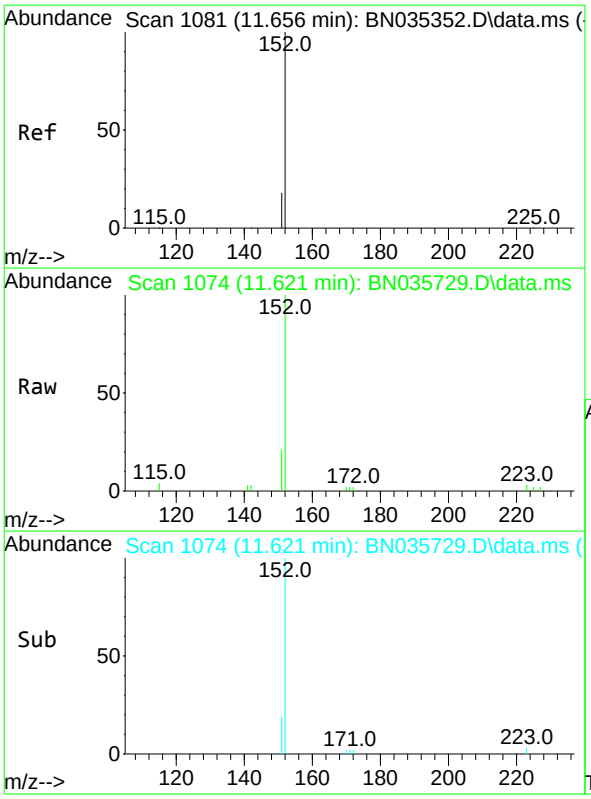


#10
Hexachlorobutadiene
Concen: 0.429 ng
RT: 10.362 min Scan# 944
Delta R.T. -0.000 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Tgt Ion:225 Resp: 2218

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.2	51.3	76.9

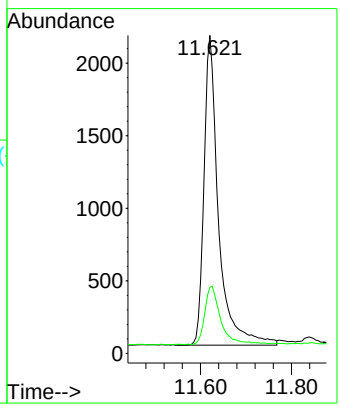




#11
2-Methylnaphthalene-d10
Concen: 0.356 ng
RT: 11.621 min Scan# 10
Delta R.T. -0.000 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Tgt Ion:152 Resp: 4731

Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.6	25.0



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

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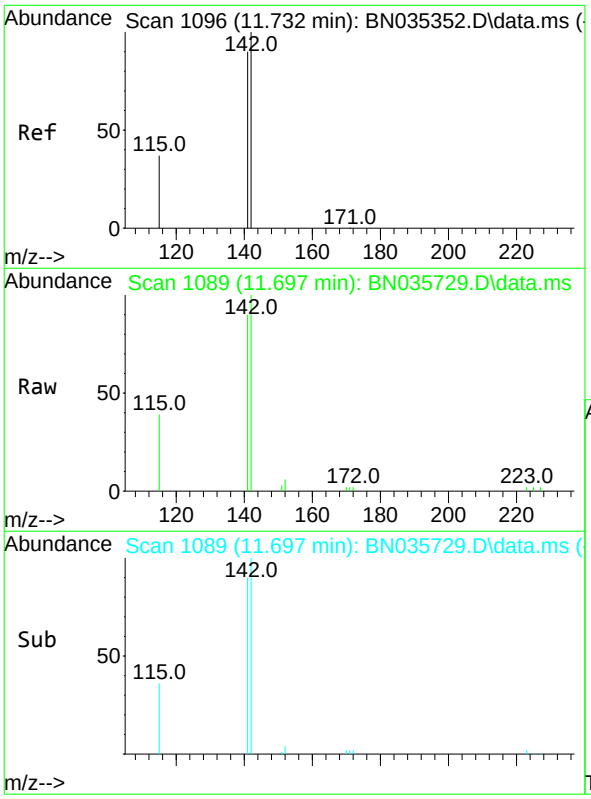
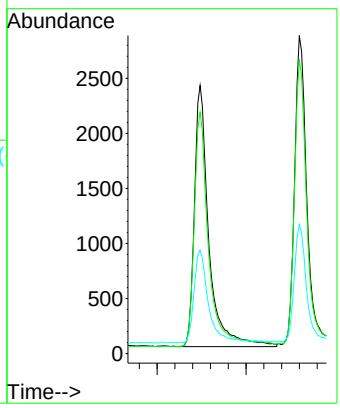
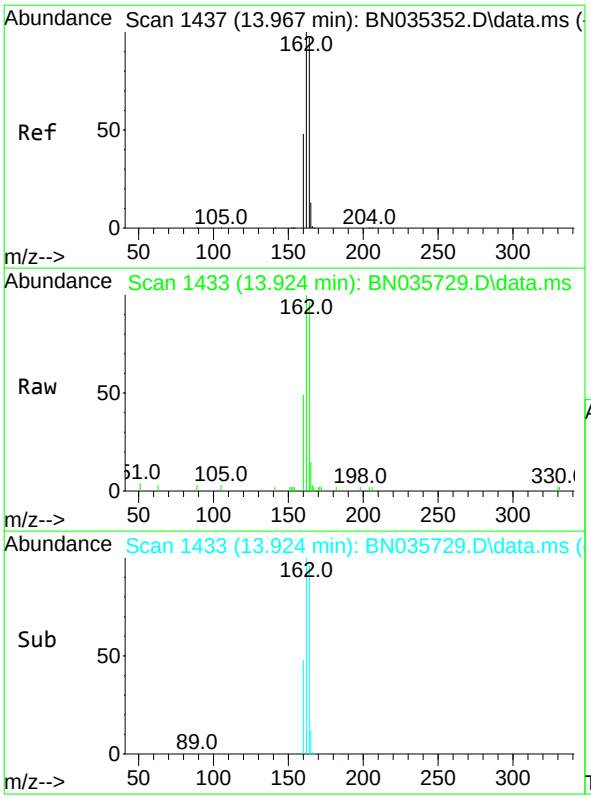


#12
2-Methylnaphthalene
Concen: 0.333 ng
RT: 11.697 min Scan# 1089
Delta R.T. -0.000 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Tgt Ion:142 Resp: 5342

Ion	Ratio	Lower	Upper
142	100		
141	90.0	72.2	108.4
115	38.5	31.4	47.0

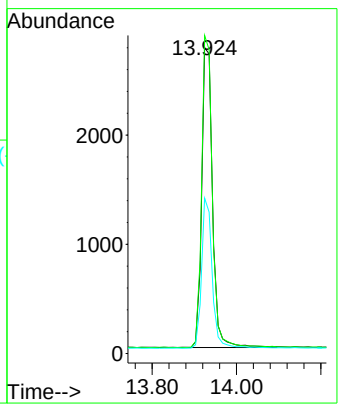




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.924 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Tgt Ion:164 Resp: 4899

Ion	Ratio	Lower	Upper
164	100		
162	104.0	82.2	123.2
160	50.8	40.1	60.1



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

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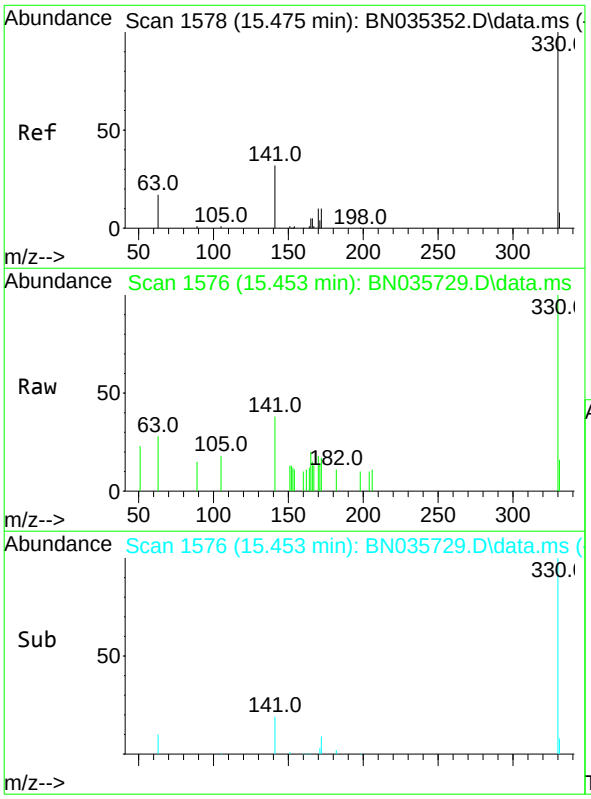
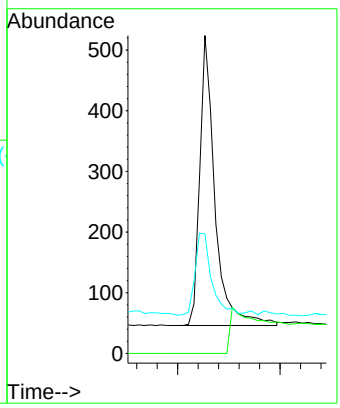
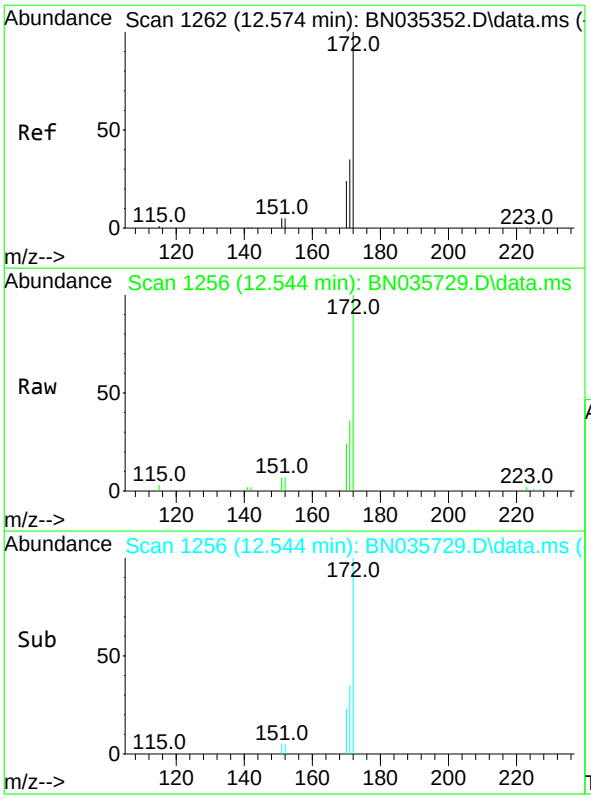


#14
2,4,6-Tribromophenol
Concen: 0.298 ng
RT: 15.453 min Scan# 1576
Delta R.T. -0.000 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Tgt Ion:330 Resp: 1038

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	30.1	26.6	40.0





#15
2-Fluorobiphenyl
Concen: 0.388 ng
RT: 12.544 min Scan# 12
Delta R.T. -0.000 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Tgt Ion:172 Resp: 7182

Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.0	43.4
170	24.3	19.8	29.8

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

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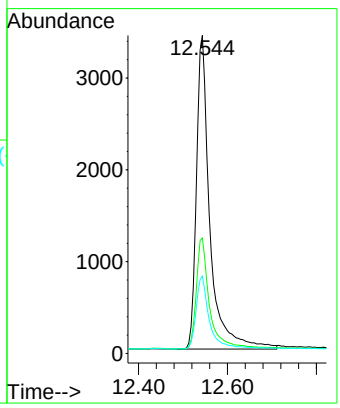
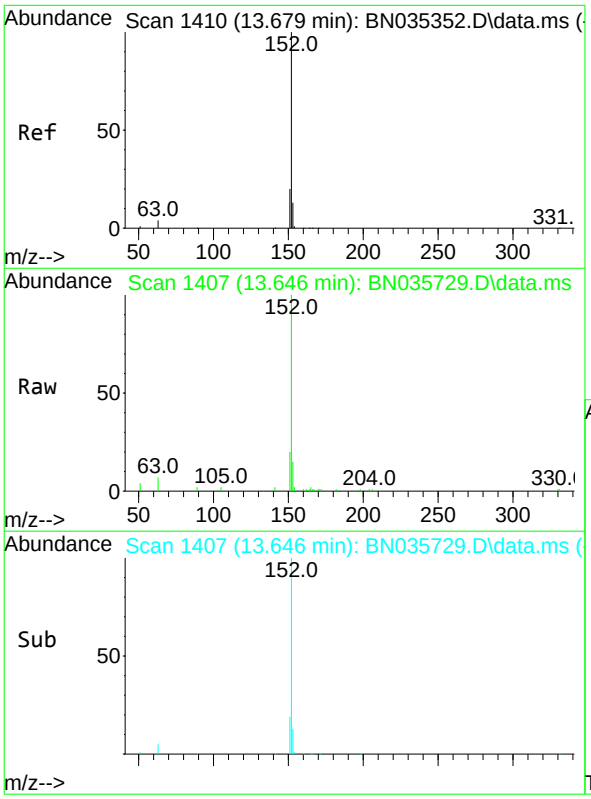
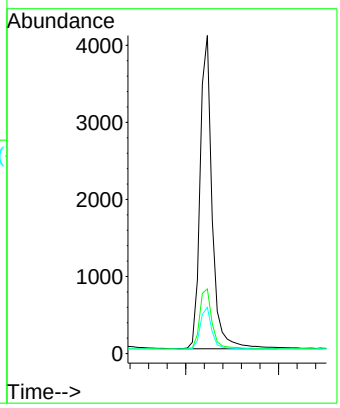


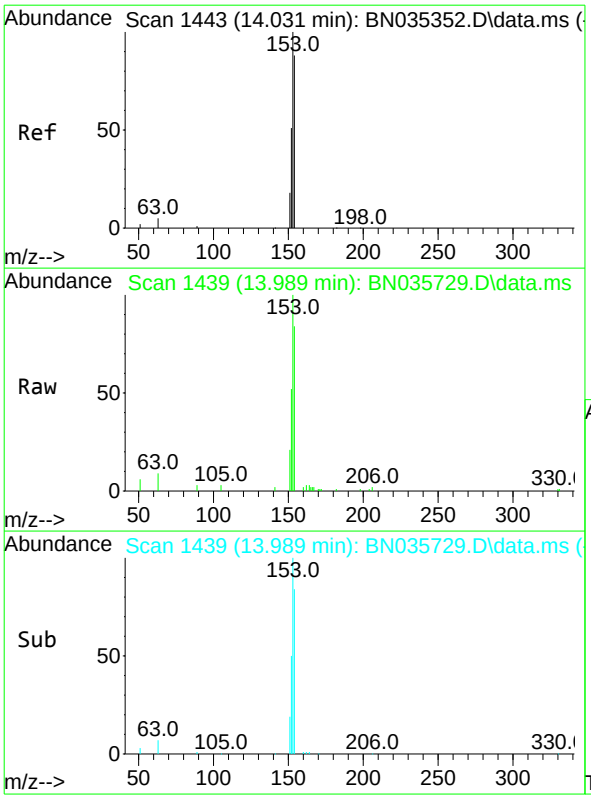


#16
Acenaphthylene
Concen: 0.355 ng
RT: 13.646 min Scan# 1407
Delta R.T. -0.000 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Tgt Ion:152 Resp: 7309

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.2	24.2
153	13.1	10.4	15.6

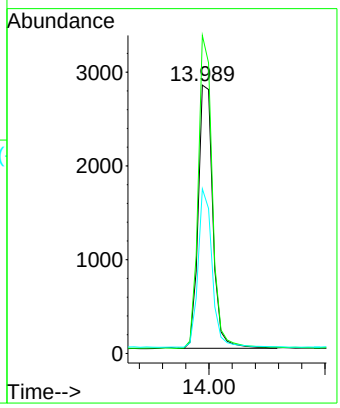




#17
Acenaphthene
Concen: 0.361 ng
RT: 13.989 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Tgt Ion:154 Resp: 4928

Ion	Ratio	Lower	Upper
154	100		
153	115.2	92.6	139.0
152	57.9	49.0	73.6



Instrument :
BNA_N
ClientSampleId :
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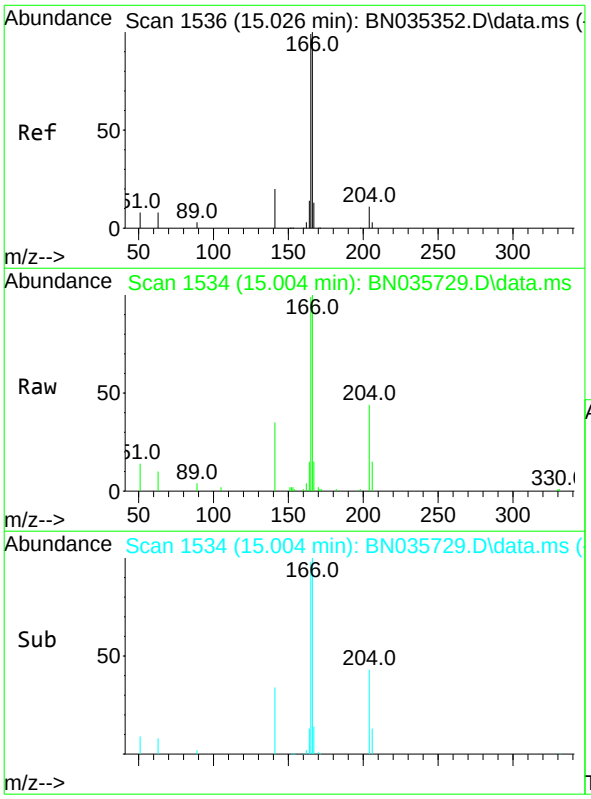
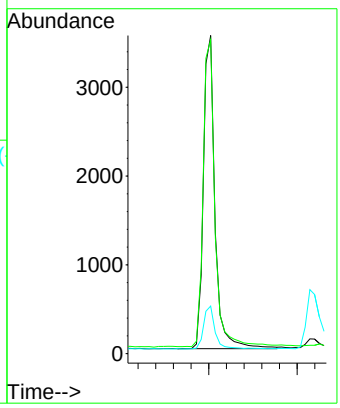
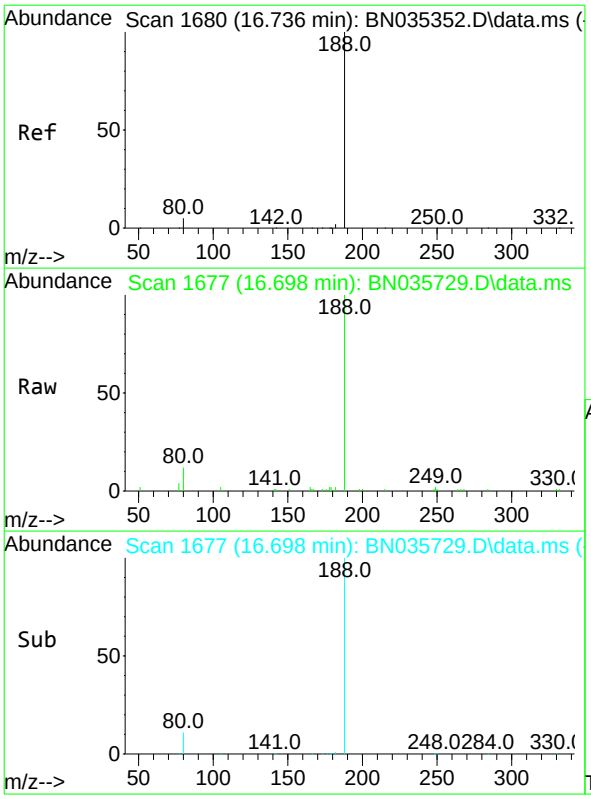


#18
Fluorene
Concen: 0.327 ng
RT: 15.004 min Scan# 1534
Delta R.T. -0.000 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Tgt Ion:166 Resp: 6392

Ion	Ratio	Lower	Upper
166	100		
165	99.1	79.7	119.5
167	13.7	10.8	16.2





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.698 min Scan# 16
Delta R.T. -0.000 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Tgt Ion:188 Resp: 9568

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.7	4.6	6.8#

Instrument :
BNA_N
ClientSampleId :
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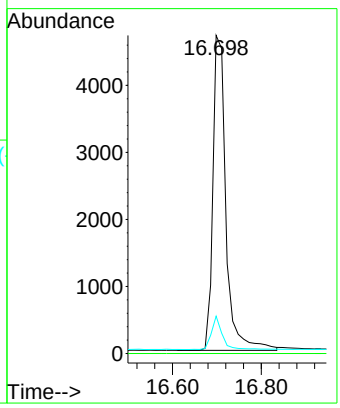
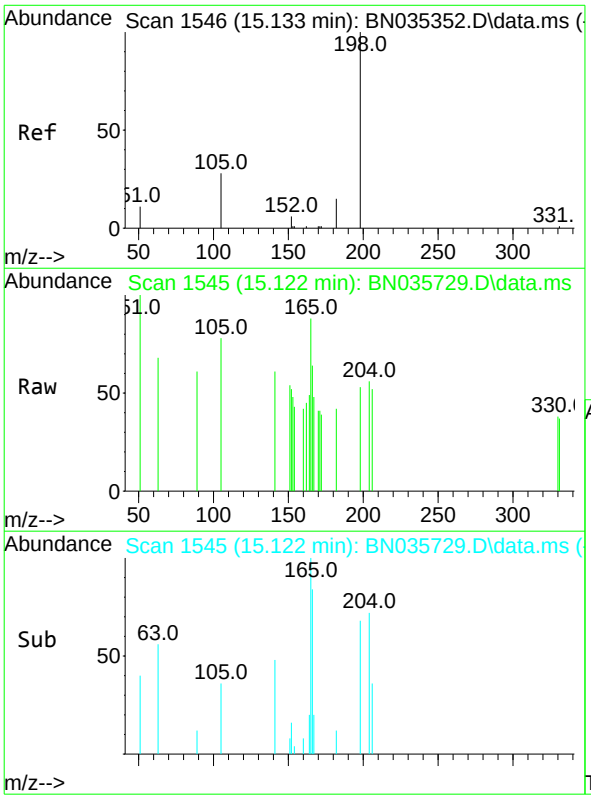
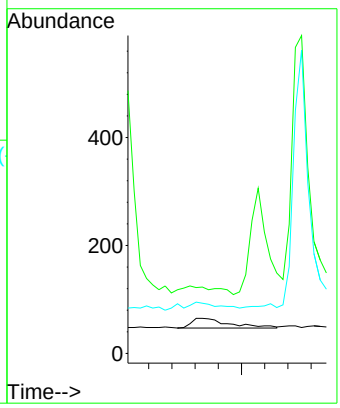


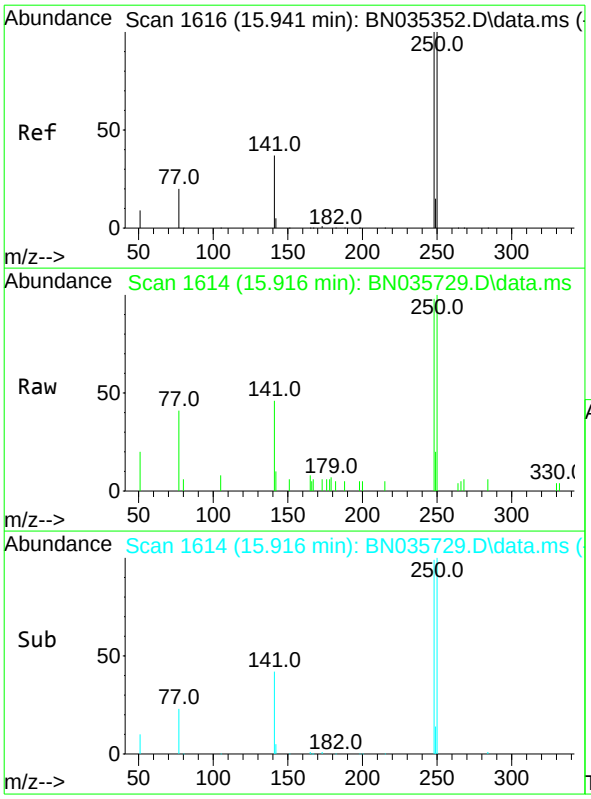


#20
4,6-Dinitro-2-methylphenol
Concen: 0.088 ng
RT: 15.122 min Scan# 1545
Delta R.T. -0.000 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Tgt Ion:198 Resp: 83

Ion	Ratio	Lower	Upper
198	100		
51	187.7	46.5	69.7#
105	146.2	45.3	67.9#

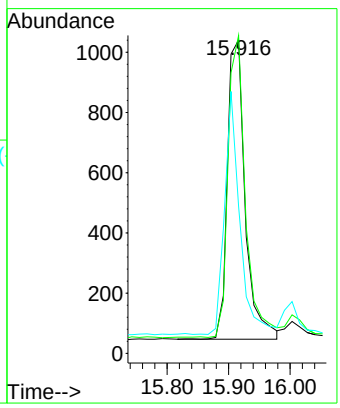




#21
4-Bromophenyl-phenylether
Concen: 0.357 ng
RT: 15.916 min Scan# 16
Delta R.T. -0.000 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Tgt Ion:248 Resp: 1999

Ion	Ratio	Lower	Upper
248	100		
250	101.5	80.6	120.8
141	46.9	31.5	47.3



Instrument :
BNA_N
ClientSampleId :
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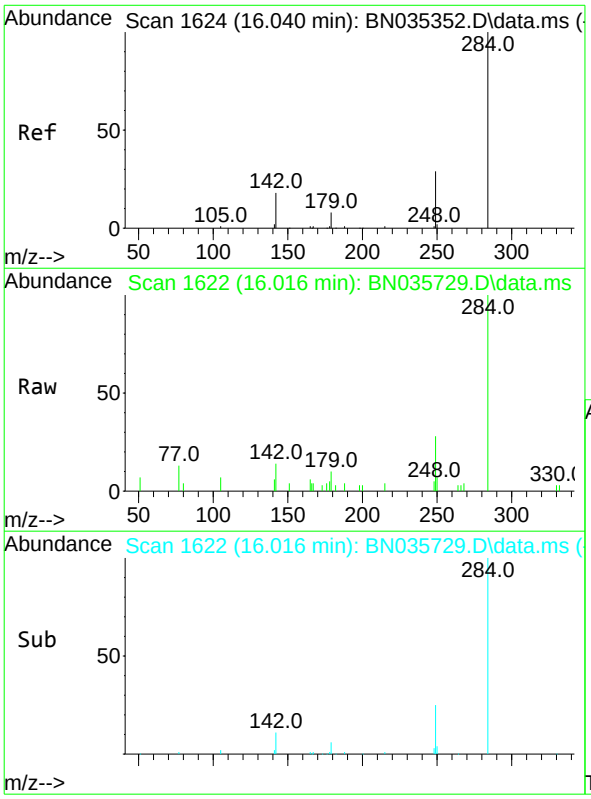
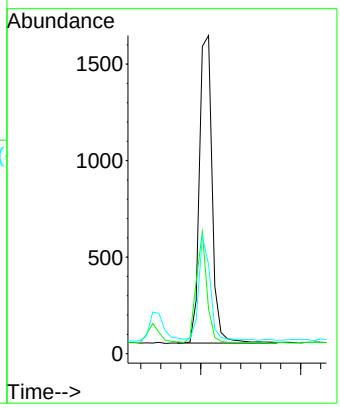
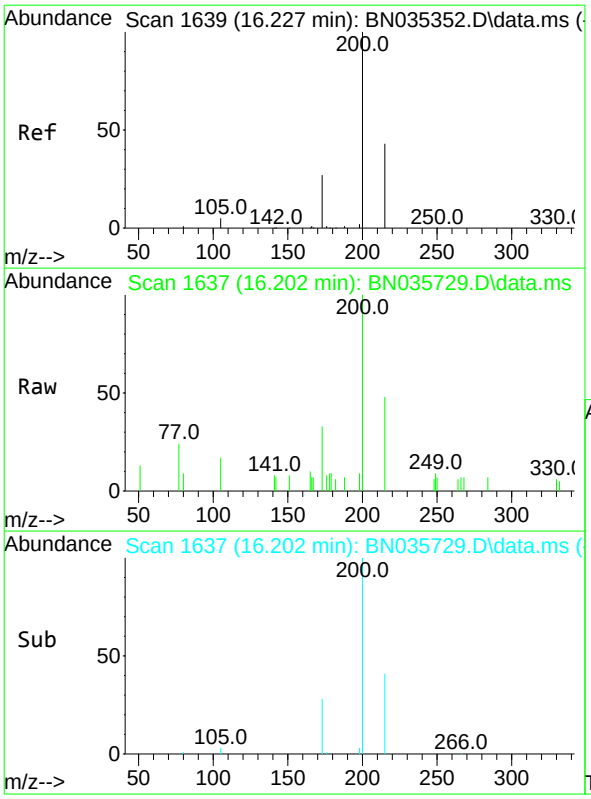


#22
Hexachlorobenzene
Concen: 0.430 ng
RT: 16.016 min Scan# 1622
Delta R.T. -0.000 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Tgt Ion:284 Resp: 2823

Ion	Ratio	Lower	Upper
284	100		
142	29.9	26.7	40.1
249	30.8	24.6	36.8

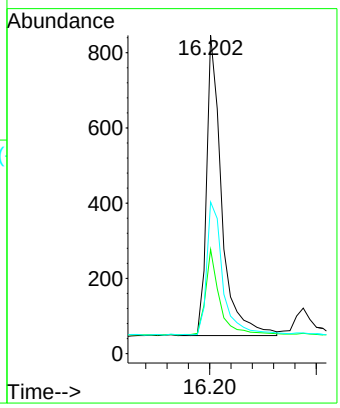




#23
Atrazine
Concen: 0.395 ng
RT: 16.202 min Scan# 16
Delta R.T. -0.000 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Tgt Ion:200 Resp: 1573

Ion	Ratio	Lower	Upper
200	100		
173	32.7	24.1	36.1
215	47.6	36.9	55.3



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

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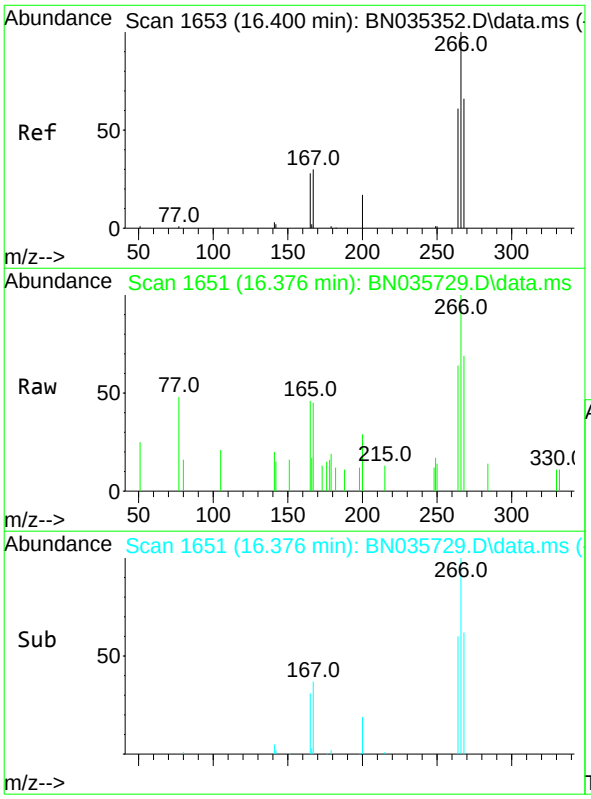
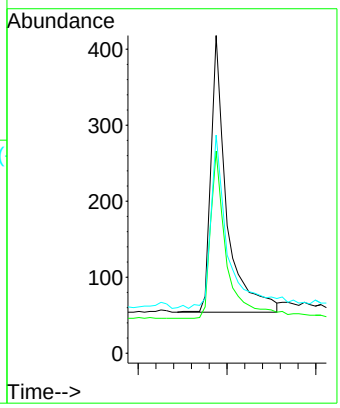
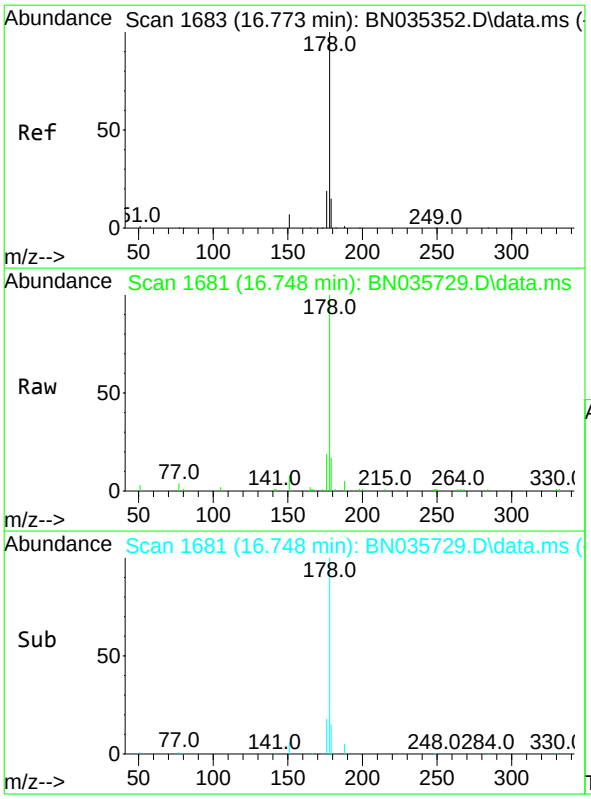


#24
Pentachlorophenol
Concen: 0.312 ng
RT: 16.376 min Scan# 1651
Delta R.T. -0.000 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Tgt Ion:266 Resp: 893

Ion	Ratio	Lower	Upper
266	100		
264	60.9	42.3	63.5
268	65.2	43.3	64.9#

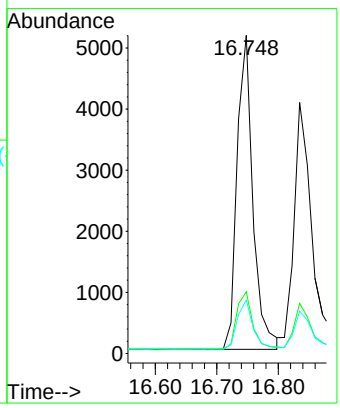




#25
Phenanthrene
Concen: 0.349 ng
RT: 16.748 min Scan# 16
Delta R.T. -0.000 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Tgt Ion:178 Resp: 9182

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	15.5	12.3	18.5



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

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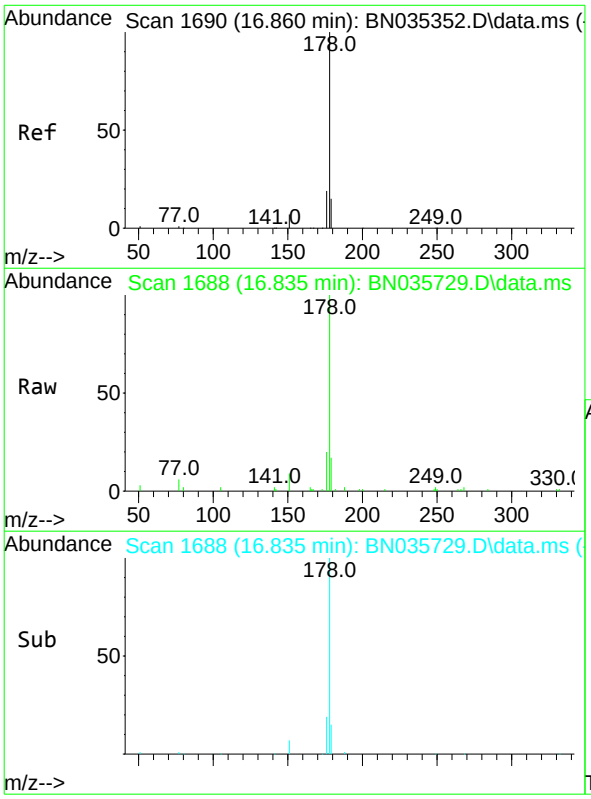
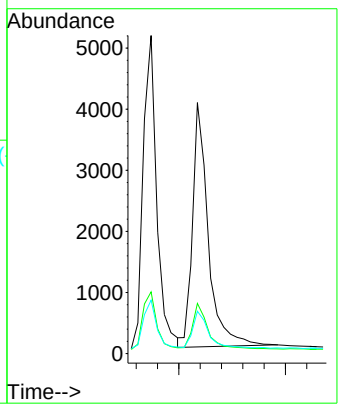
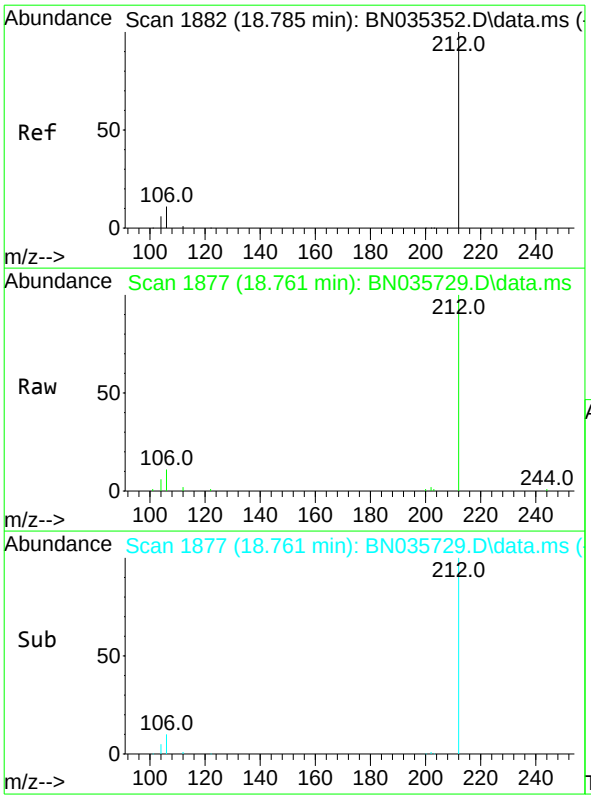


#26
Anthracene
Concen: 0.344 ng
RT: 16.835 min Scan# 1688
Delta R.T. -0.000 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Tgt Ion:178 Resp: 8187

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.6
179	15.7	12.6	18.8

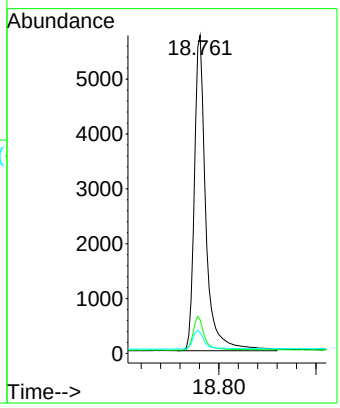




#27
Fluoranthene-d10
Concen: 0.349 ng
RT: 18.761 min Scan# 18
Delta R.T. -0.000 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Tgt Ion:212 Resp: 9464

Ion	Ratio	Lower	Upper
212	100		
106	10.3	9.2	13.8
104	5.9	5.3	7.9



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

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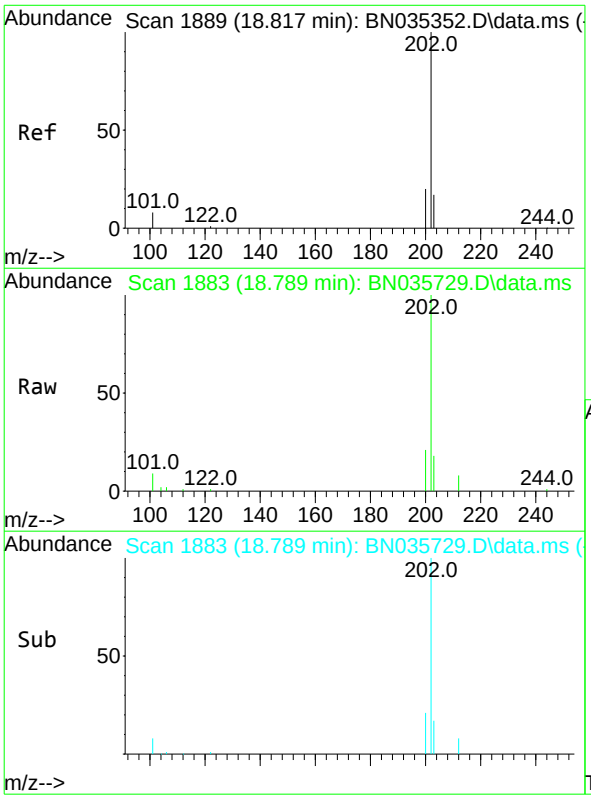
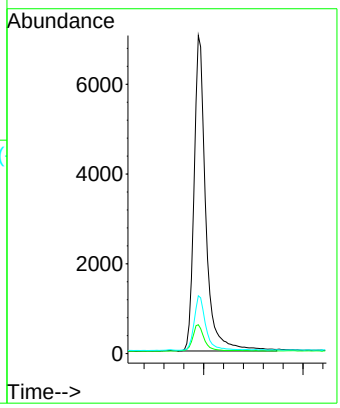
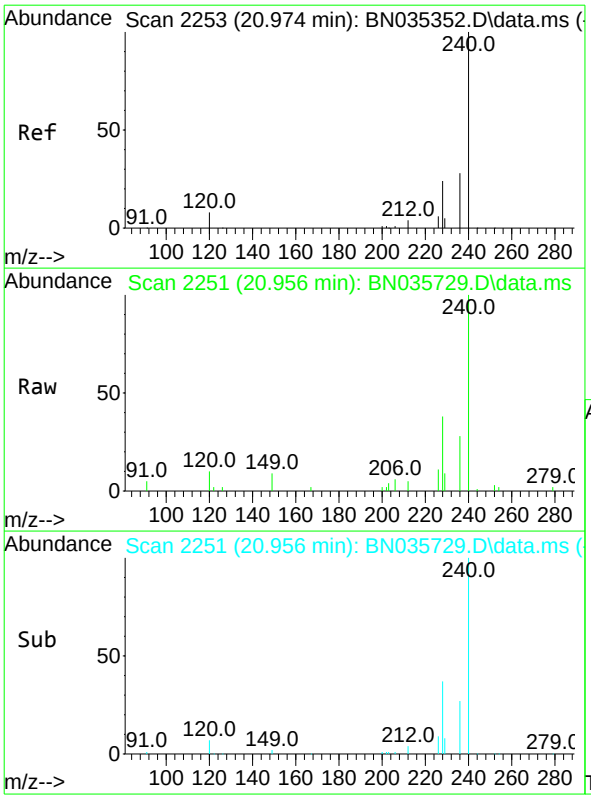


#28
Fluoranthene
Concen: 0.325 ng
RT: 18.789 min Scan# 1883
Delta R.T. -0.000 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Tgt Ion:202 Resp: 11532

Ion	Ratio	Lower	Upper
202	100		
101	8.4	7.4	11.0
203	16.9	13.7	20.5

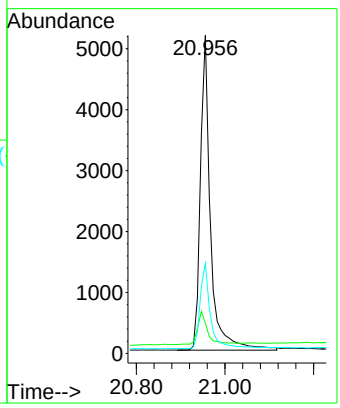




#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.956 min Scan# 22
Delta R.T. -0.000 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Tgt Ion:240 Resp: 8180

Ion	Ratio	Lower	Upper
240	100		
120	9.5	7.9	11.9
236	28.3	22.9	34.3



Instrument :
BNA_N
ClientSampleId :
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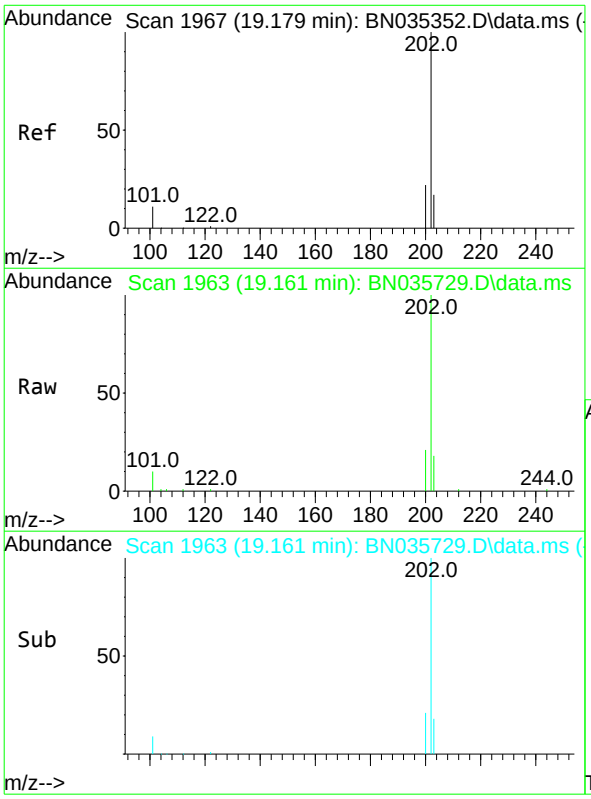
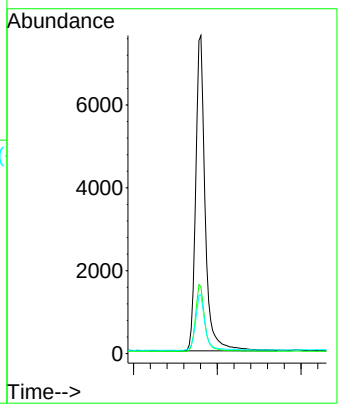
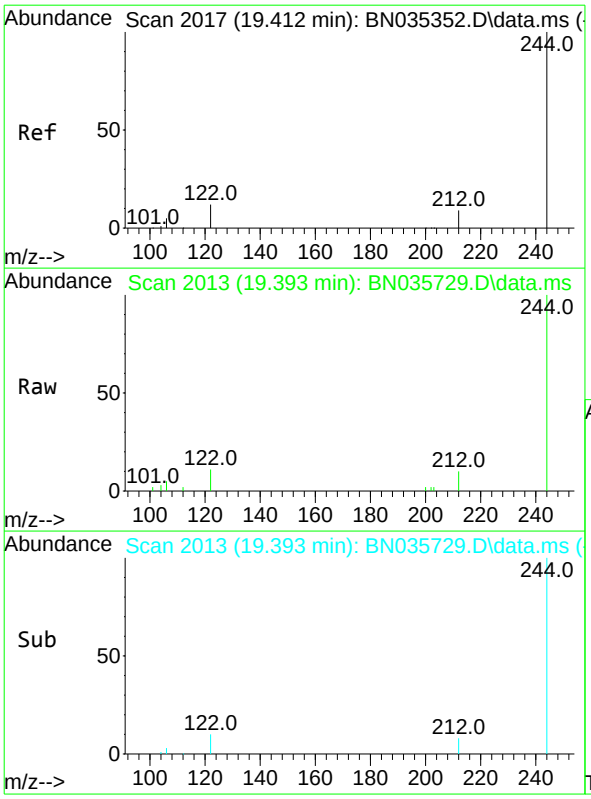


#30
Pyrene
Concen: 0.396 ng
RT: 19.161 min Scan# 1963
Delta R.T. -0.000 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Tgt Ion:202 Resp: 11959

Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.0	25.4
203	18.2	14.3	21.5

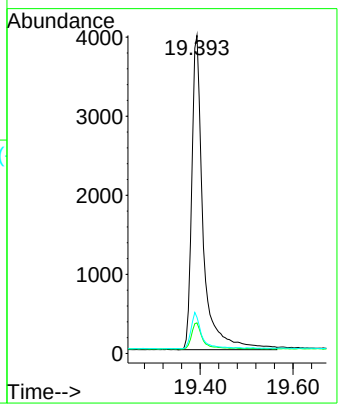




#31
Terphenyl-d14
Concen: 0.421 ng
RT: 19.393 min Scan# 20
Delta R.T. 0.005 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Tgt Ion:244 Resp: 6786

Ion	Ratio	Lower	Upper
244	100		
212	9.6	8.1	12.1
122	11.4	10.3	15.5



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

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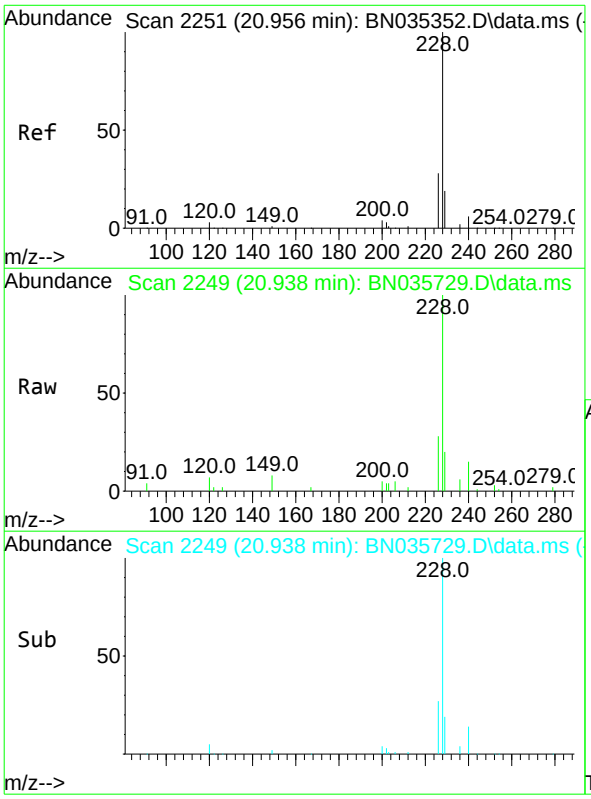
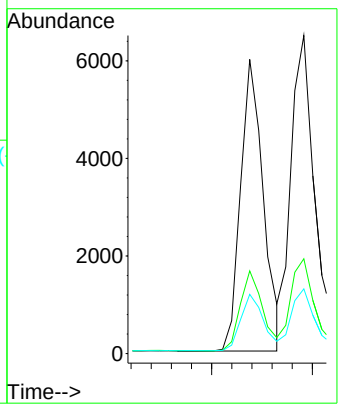
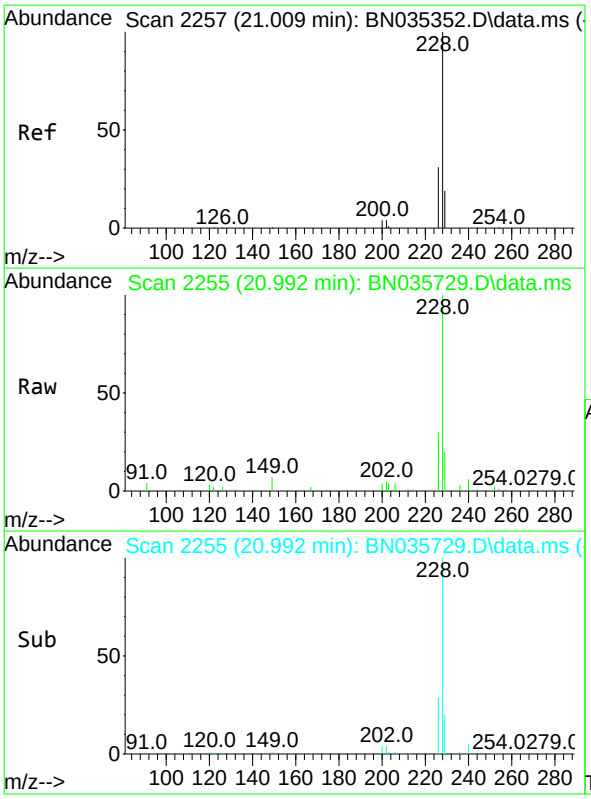


#32
Benzo(a)anthracene
Concen: 0.328 ng
RT: 20.938 min Scan# 2249
Delta R.T. -0.000 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Tgt Ion:228 Resp: 9399

Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.5	33.7
229	20.1	15.8	23.8

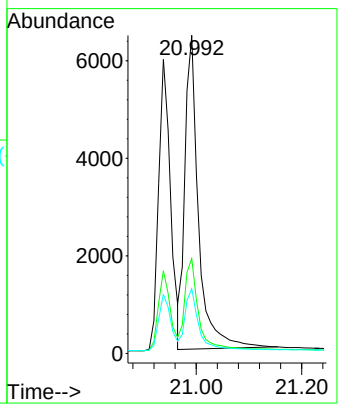




#33
Chrysene
Concen: 0.391 ng
RT: 20.992 min Scan# 22
Delta R.T. -0.000 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Tgt Ion:228 Resp: 11530

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.6	37.0
229	20.3	15.9	23.9



Instrument :
BNA_N
ClientSampleId :
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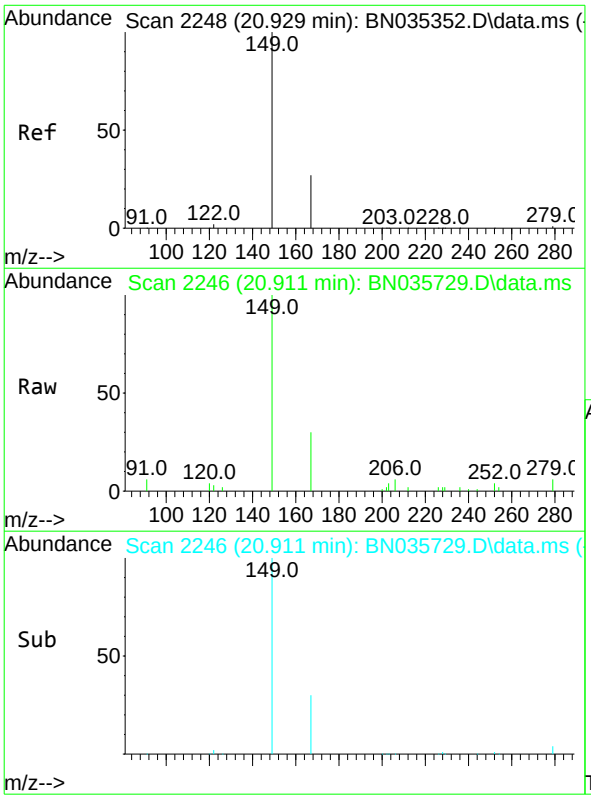
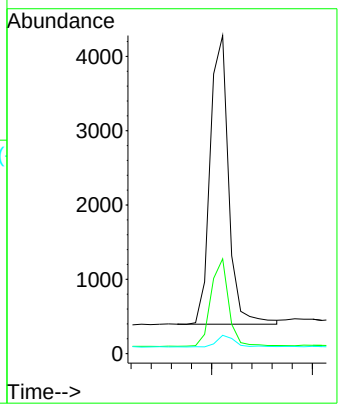
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

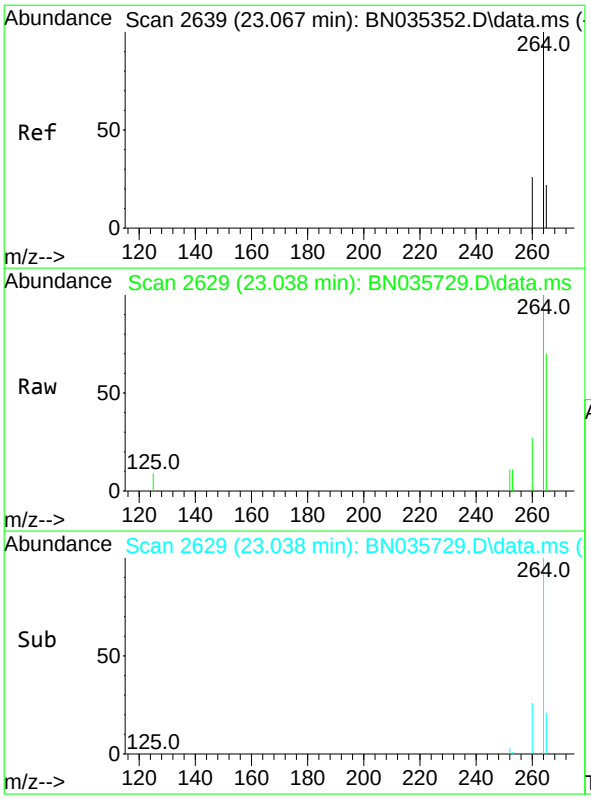


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.439 ng
RT: 20.911 min Scan# 2246
Delta R.T. -0.000 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Tgt Ion:149 Resp: 4956

Ion	Ratio	Lower	Upper
149	100		
167	29.1	22.2	33.4
279	4.0	2.7	4.1

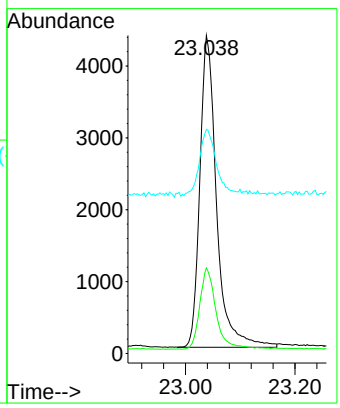




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.038 min Scan# 26
Delta R.T. -0.003 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Tgt Ion:264 Resp: 9191

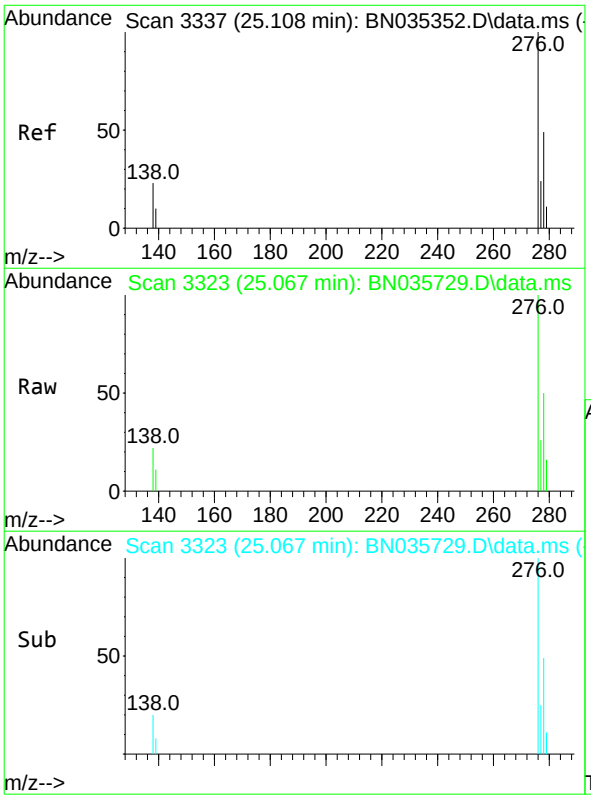
Ion	Ratio	Lower	Upper
264	100		
260	26.9	21.4	32.2
265	70.5	40.2	60.4#



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations APPROVED

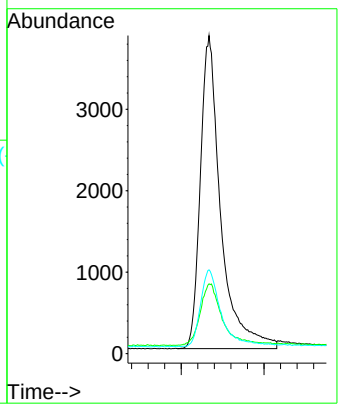
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

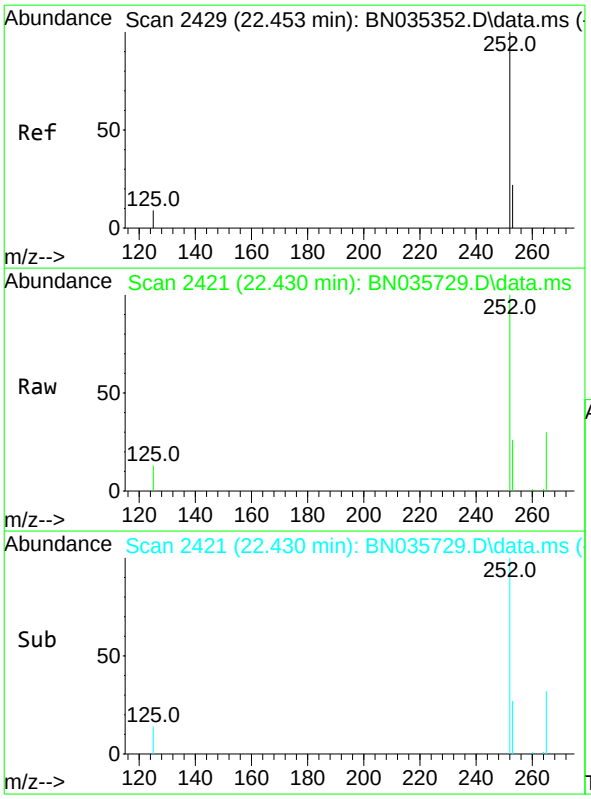


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.366 ng
RT: 25.067 min Scan# 3323
Delta R.T. -0.000 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Tgt Ion:276 Resp: 13154

Ion	Ratio	Lower	Upper
276	100		
138	20.1	19.4	29.0
277	23.9	19.8	29.6





#37
Benzo(b)fluoranthene
Concen: 0.438 ng
RT: 22.430 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

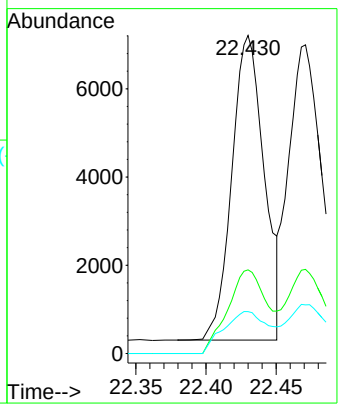
Tgt Ion:252 Resp: 14730

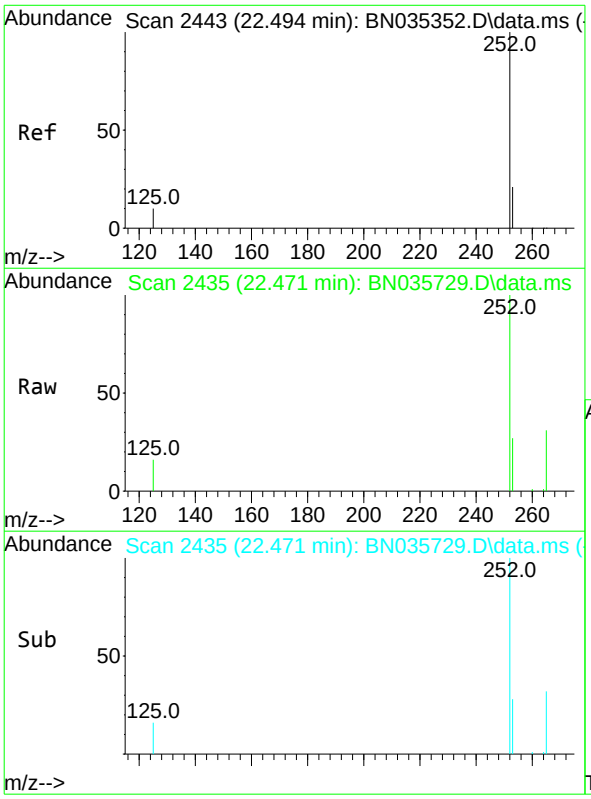
Ion	Ratio	Lower	Upper
252	100		
253	26.3	19.6	29.4
125	13.2	9.6	14.4

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

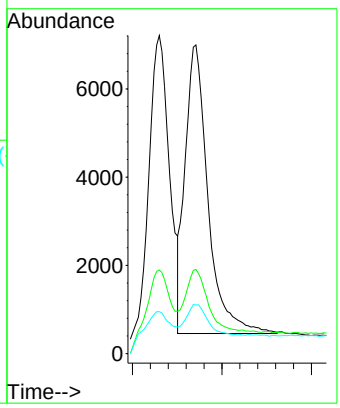


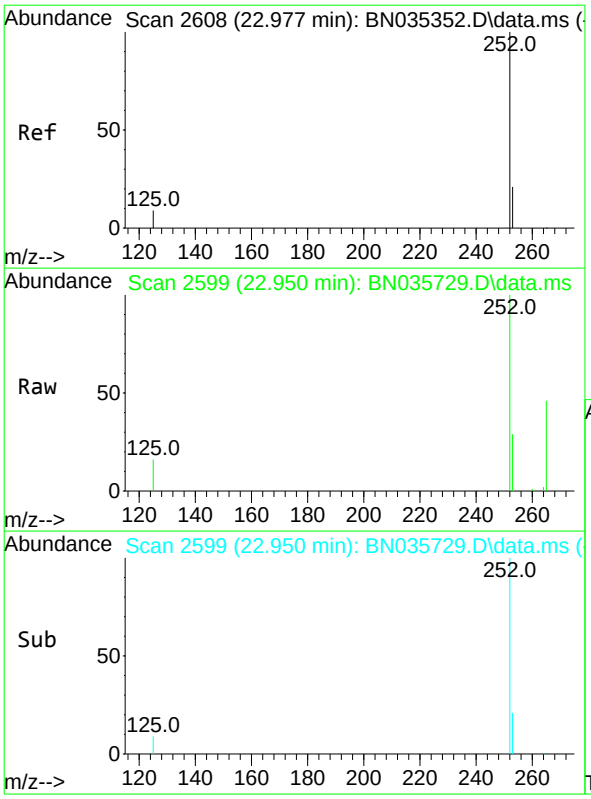


#38
Benzo(k)fluoranthene
Concen: 0.351 ng m
RT: 22.471 min Scan# 2435
Delta R.T. -0.000 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Tgt Ion:252 Resp: 11629

Ion	Ratio	Lower	Upper
252	100		
253	27.3	19.5	29.3
125	15.7	10.2	15.4#





#39
Benzo(a)pyrene
Concen: 0.355 ng
RT: 22.950 min Scan# 25
Delta R.T. -0.000 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

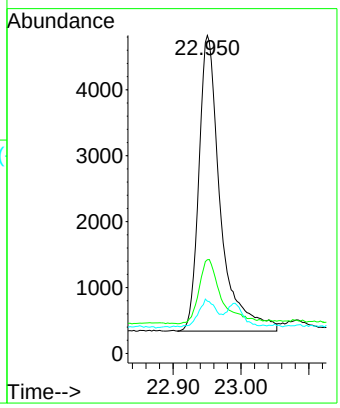
Tgt Ion:252 Resp: 9834

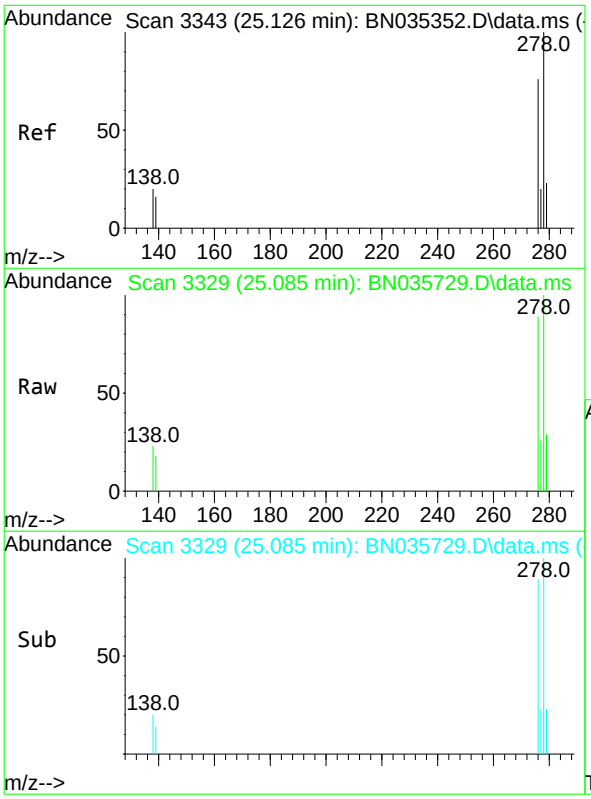
Ion	Ratio	Lower	Upper
252	100		
253	29.5	20.2	30.4
125	16.5	10.9	16.3#

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

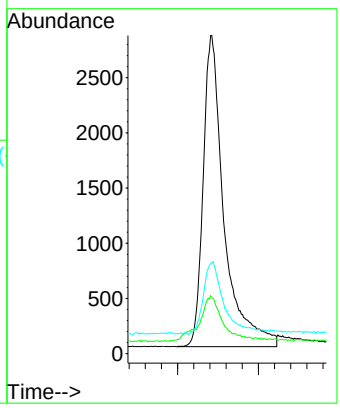


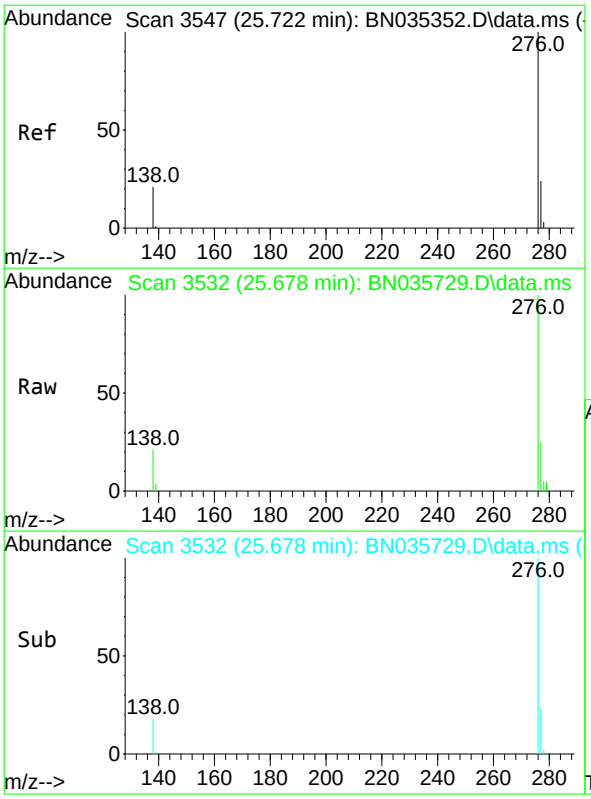


#40
Dibenzo(a,h)anthracene
Concen: 0.357 ng
RT: 25.085 min Scan# 3329
Delta R.T. 0.003 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Tgt Ion:278 Resp: 10124

Ion	Ratio	Lower	Upper
278	100		
139	17.6	14.2	21.4
279	28.6	20.5	30.7

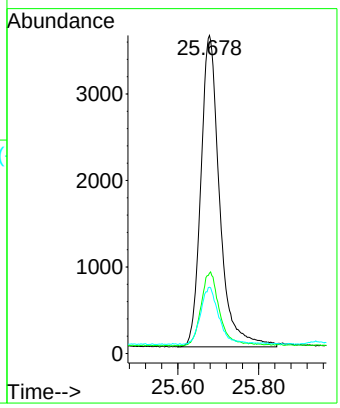




#41
Benzo(g,h,i)perylene
Concen: 0.392 ng
RT: 25.678 min Scan# 35
Delta R.T. -0.000 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Tgt Ion:276 Resp: 11607

Ion	Ratio	Lower	Upper
276	100		
277	25.3	19.9	29.9
138	20.8	17.8	26.8



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035729.D
Acq On : 20 Dec 2024 06:10
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Quant Time: Dec 20 06:34:16 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	155#	0.00
2		1,4-Dioxane	0.382	0.384	-0.5	158#	0.00
3		n-Nitrosodimethylamine	0.319	0.329	-3.1	156#	0.00
4	S	2-Fluorophenol	1.001	0.994	0.7	151#	0.00
5	S	Phenol-d6	1.204	1.157	3.9	150	0.00
6		bis(2-Chloroethyl)ether	1.012	0.921	9.0	143	0.00
7	I	Naphthalene-d8	1.000	1.000	0.0	163#	0.00
8	S	Nitrobenzene-d5	0.244	0.289	-18.4	200#	0.00
9		Naphthalene	1.055	0.983	6.8	153#	0.00
10		Hexachlorobutadiene	0.243	0.261	-7.4	172#	0.00
11	SURR	2-Methylnaphthalene-d10	0.626	0.556	11.2	146	0.00
12		2-Methylnaphthalene	0.755	0.628	16.8	138	0.00
13	I	Acenaphthene-d10	1.000	1.000	0.0	129	-0.01
14	S	2,4,6-Tribromophenol	0.284	0.212	25.4#	106	0.00
15	S	2-Fluorobiphenyl	1.512	1.466	3.0	125	0.00
16		Acenaphthylene	1.680	1.492	11.2	121	0.00
17		Acenaphthene	1.115	1.006	9.8	119	-0.01
18		Fluorene	1.596	1.305	18.2	109	0.00
19	I	Phenanthrene-d10	1.000	1.000	0.0	101	0.00
20		4,6-Dinitro-2-methylphenol	0.039	0.009	76.9#	25#	0.00
21		4-Bromophenyl-phenylether	0.234	0.209	10.7	93	0.00
22		Hexachlorobenzene	0.275	0.295	-7.3	109	0.00
23		Atrazine	0.167	0.164	1.8	108	0.00
24		Pentachlorophenol	0.120	0.093	22.5	99	0.00
25		Phenanthrene	1.099	0.960	12.6	91	0.00
26		Anthracene	0.994	0.856	13.9	92	0.00
27	SURR	Fluoranthene-d10	1.134	0.989	12.8	93	0.00
28		Fluoranthene	1.481	1.205	18.6	86	0.00
29	I	Chrysene-d12	1.000	1.000	0.0	86	0.00
30		Pyrene	1.477	1.462	1.0	85	0.00
31	S	Terphenyl-d14	0.789	0.830	-5.2	90	0.00
32		Benzo(a)anthracene	1.399	1.149	17.9	73	0.00
33		Chrysene	1.443	1.410	2.3	84	0.00
34		Bis(2-ethylhexyl)phthalate	0.553	0.606	-9.6	101	0.00
35	I	Perylene-d12	1.000	1.000	0.0	85	0.00
36		Indeno(1,2,3-cd)pyrene	1.564	1.431	8.5	79	0.00
37		Benzo(b)fluoranthene	1.463	1.603	-9.6	103	0.00
38		Benzo(k)fluoranthene	1.440	1.265	12.2	77	0.00
39	C	Benzo(a)pyrene	1.205	1.070	11.2	79	0.00
40		Dibenzo(a,h)anthracene	1.234	1.102	10.7	78	0.00
41		Benzo(g,h,i)perylene	1.289	1.263	2.0	86	0.00

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035729.D
Acq On : 20 Dec 2024 06:10
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Quant Time: Dec 20 06:34:16 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	0.400	0.400	0.0	155	0.00
2		1,4-Dioxane	0.400	0.402	-0.5	158	0.00
3		n-Nitrosodimethylamine	0.400	0.413	-3.2	156	0.00
4	S	2-Fluorophenol	0.400	0.397	0.8	151	0.00
5	S	Phenol-d6	0.400	0.384	4.0	150	0.00
6		bis(2-Chloroethyl)ether	0.400	0.364	9.0	143	0.00
7	I	Naphthalene-d8	0.400	0.400	0.0	163	0.00
8	S	Nitrobenzene-d5	0.400	0.473	-18.2	200	0.00
9		Naphthalene	0.400	0.373	6.8	153	0.00
10		Hexachlorobutadiene	0.400	0.429	-7.2	172	0.00
11	SURR	2-Methylnaphthalene-d10	0.400	0.356	11.0	146	0.00
12		2-Methylnaphthalene	0.400	0.333	16.8	138	0.00
13	I	Acenaphthene-d10	0.400	0.400	0.0	129	-0.01
14	S	2,4,6-Tribromophenol	0.400	0.298	25.5#	106	0.00
15	S	2-Fluorobiphenyl	0.400	0.388	3.0	125	0.00
16		Acenaphthylene	0.400	0.355	11.3	121	0.00
17		Acenaphthene	0.400	0.361	9.8	119	-0.01
18		Fluorene	0.400	0.327	18.3	109	0.00
19	I	Phenanthrene-d10	0.400	0.400	0.0	101	0.00
20		4,6-Dinitro-2-methylphenol	0.400	0.088	78.0#	25	0.00
21		4-Bromophenyl-phenylether	0.400	0.357	10.8	93	0.00
22		Hexachlorobenzene	0.400	0.430	-7.5	109	0.00
23		Atrazine	0.400	0.395	1.3	108	0.00
24		Pentachlorophenol	0.400	0.312	22.0	99	0.00
25		Phenanthrene	0.400	0.349	12.8	91	0.00
26		Anthracene	0.400	0.344	14.0	92	0.00
27	SURR	Fluoranthene-d10	0.400	0.349	12.8	93	0.00
28		Fluoranthene	0.400	0.325	18.8	86	0.00
29	I	Chrysene-d12	0.400	0.400	0.0	86	0.00
30		Pyrene	0.400	0.396	1.0	85	0.00
31	S	Terphenyl-d14	0.400	0.421	-5.2	90	0.00
32		Benzo(a)anthracene	0.400	0.328	18.0	73	0.00
33		Chrysene	0.400	0.391	2.3	84	0.00
34		Bis(2-ethylhexyl)phthalate	0.400	0.439	-9.7	101	0.00
35	I	Perylene-d12	0.400	0.400	0.0	85	0.00
36		Indeno(1,2,3-cd)pyrene	0.400	0.366	8.5	79	0.00
37		Benzo(b)fluoranthene	0.400	0.438	-9.5	103	0.00
38		Benzo(k)fluoranthene	0.400	0.351	12.3	77	0.00
39	C	Benzo(a)pyrene	0.400	0.355	11.3	79	0.00
40		Dibenzo(a,h)anthracene	0.400	0.357	10.8	78	0.00
41		Benzo(g,h,i)perylene	0.400	0.392	2.0	86	0.00

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

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: P5261 SAS No.: P5261 SDG No.: P5261

Instrument ID: BNA_N Calibration Date/Time: 12/20/2024 08:04

Lab File ID: BN035731.D Init. Calib. Date(s): 11/27/2024 11/27/2024

EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 15:34 19:09

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.626	0.562		-10.2	20.0
Fluoranthene-d10	1.134	0.985		-13.1	20.0
2-Fluorophenol	1.001	0.990		-1.1	20.0
Phenol-d6	1.204	1.140		-5.3	20.0
Nitrobenzene-d5	0.244	0.284		16.4	20.0
2-Fluorobiphenyl	1.512	1.376		-9.0	20.0
2,4,6-Tribromophenol	0.284	0.221		-22.2	20.0
Terphenyl-d14	0.789	0.839		6.3	20.0
1,4-Dioxane	0.382	0.405		6.0	20.0

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035731.D
Acq On : 20 Dec 2024 08:04
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Dec 20 08:27:53 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.271	152	3239	0.400	ng		0.00
7) Naphthalene-d8	10.020	136	8431	0.400	ng		# 0.00
13) Acenaphthene-d10	13.924	164	5341	0.400	ng		-0.01
19) Phenanthrene-d10	16.698	188	10575	0.400	ng		# 0.00
29) Chrysene-d12	20.956	240	8878	0.400	ng		0.00
35) Perylene-d12	23.038	264	9229	0.400	ng		# 0.00
System Monitoring Compounds							
4) 2-Fluorophenol	4.939	112	3206	0.396	ng		0.00
5) Phenol-d6	6.484	99	3691	0.379	ng		0.00
8) Nitrobenzene-d5	8.408	82	2398m	0.466	ng		0.00
11) 2-Methylnaphthalene-d10	11.621	152	4741	0.359	ng		0.00
14) 2,4,6-Tribromophenol	15.453	330	1180	0.311	ng		0.00
15) 2-Fluorobiphenyl	12.538	172	7347	0.364	ng		0.00
27) Fluoranthene-d10	18.761	212	10416	0.347	ng		0.00
31) Terphenyl-d14	19.388	244	7453	0.426	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.981	88	1312	0.424	ng		96
3) n-Nitrosodimethylamine	3.278	42	1070	0.415	ng	#	94
6) bis(2-Chloroethyl)ether	6.723	93	2987	0.365	ng		100
9) Naphthalene	10.062	128	8331	0.375	ng		100
10) Hexachlorobutadiene	10.351	225	2194	0.428	ng	#	99
12) 2-Methylnaphthalene	11.697	142	5286	0.332	ng		100
16) Acenaphthylene	13.646	152	7931	0.354	ng		100
17) Acenaphthene	13.989	154	5347	0.359	ng		99
18) Fluorene	14.993	166	7004	0.329	ng		99
20) 4,6-Dinitro-2-methylph...	15.122	198	83	0.080	ng	#	1
21) 4-Bromophenyl-phenylether	15.904	248	2216	0.358	ng	#	71
22) Hexachlorobenzene	16.003	284	3183	0.438	ng		97
23) Atrazine	16.202	200	1696	0.385	ng		98
24) Pentachlorophenol	16.375	266	1107	0.350	ng	#	83
25) Phenanthrene	16.748	178	10192	0.351	ng		100
26) Anthracene	16.835	178	9082	0.346	ng		99
28) Fluoranthene	18.789	202	12678	0.324	ng		99
30) Pyrene	19.156	202	13069	0.399	ng		100
32) Benzo(a)anthracene	20.938	228	10542	0.339	ng		100
33) Chrysene	20.991	228	12448	0.389	ng		99
34) Bis(2-ethylhexyl)phtha...	20.902	149	5271	0.430	ng		99
36) Indeno(1,2,3-cd)pyrene	25.061	276	13578	0.376	ng		96
37) Benzo(b)fluoranthene	22.427	252	14777	0.438	ng		97
38) Benzo(k)fluoranthene	22.468	252	12300m	0.370	ng		
39) Benzo(a)pyrene	22.947	252	10146	0.365	ng	#	92
40) Dibenzo(a,h)anthracene	25.079	278	10523	0.370	ng		97
41) Benzo(g,h,i)perylene	25.672	276	11906	0.400	ng		98

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

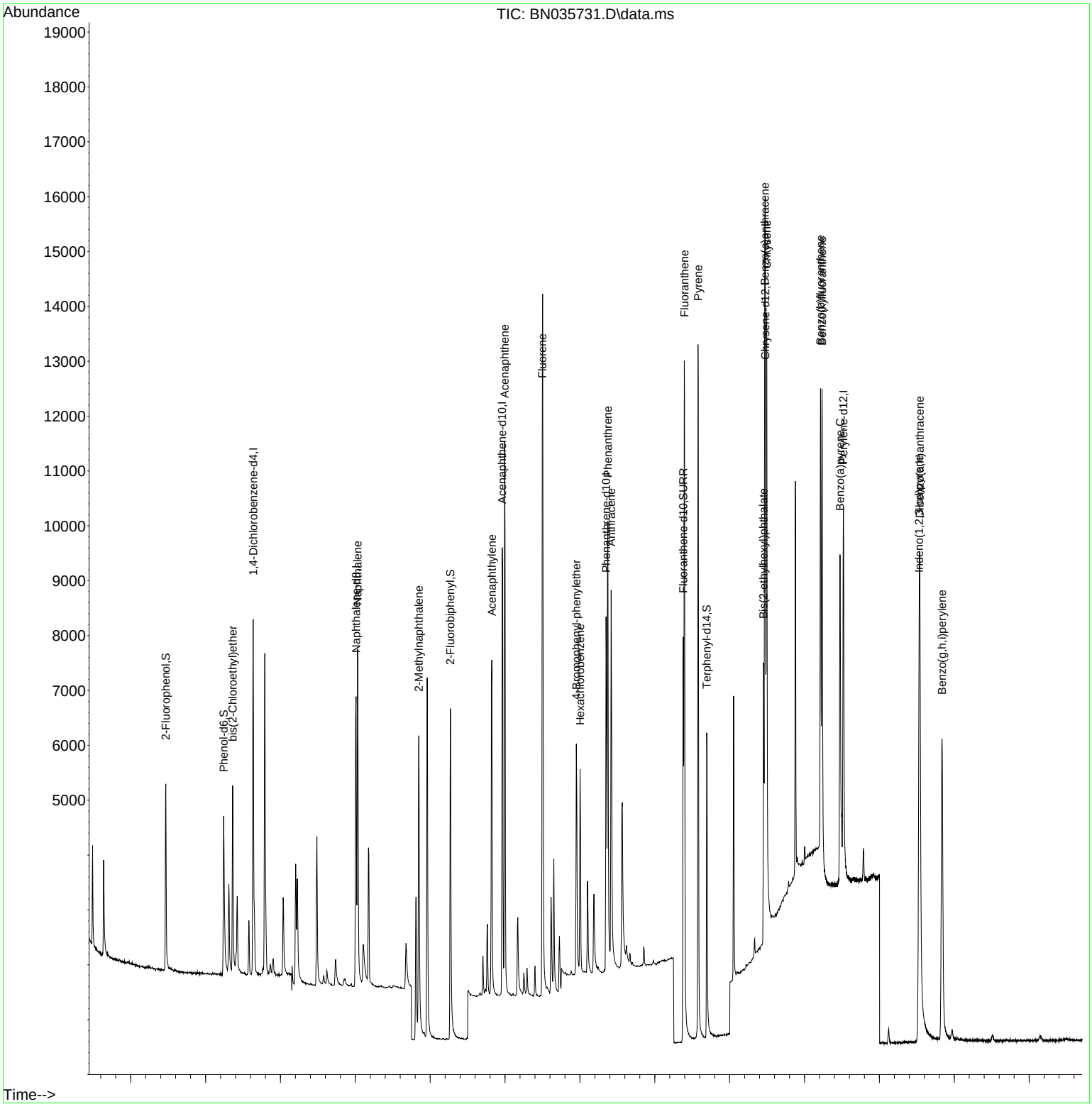
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035731.D
Acq On : 20 Dec 2024 08:04
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 22 Sample Multiplier: 1

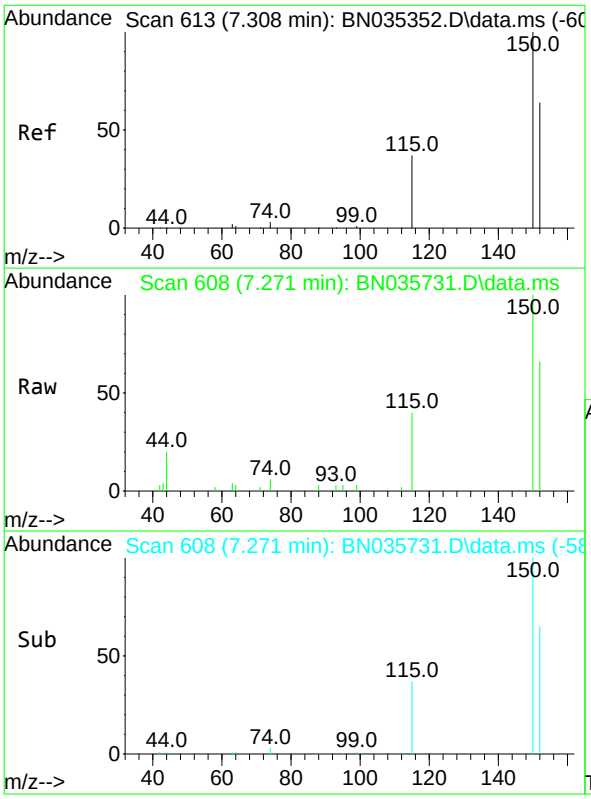
Quant Time: Dec 20 08:27:53 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

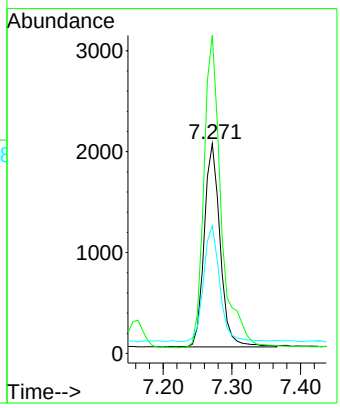




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.271 min Scan# 60
Delta R.T. -0.001 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Tgt Ion:152 Resp: 3239

Ion	Ratio	Lower	Upper
152	100		
150	151.6	124.0	186.0
115	60.9	49.6	74.4



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

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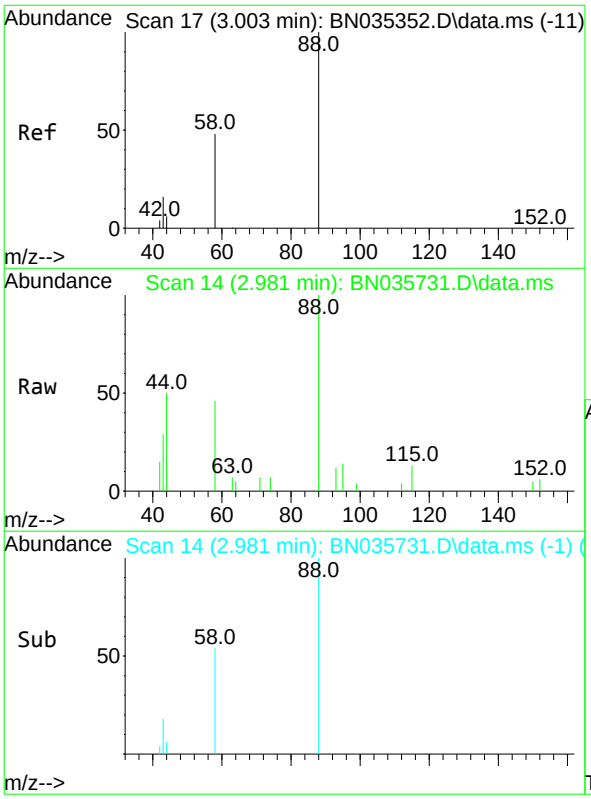
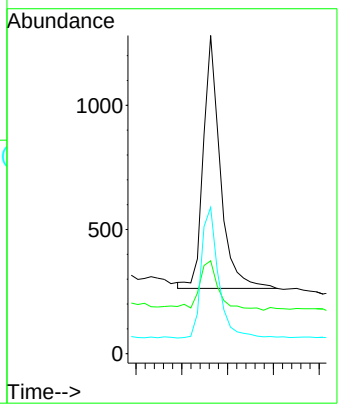
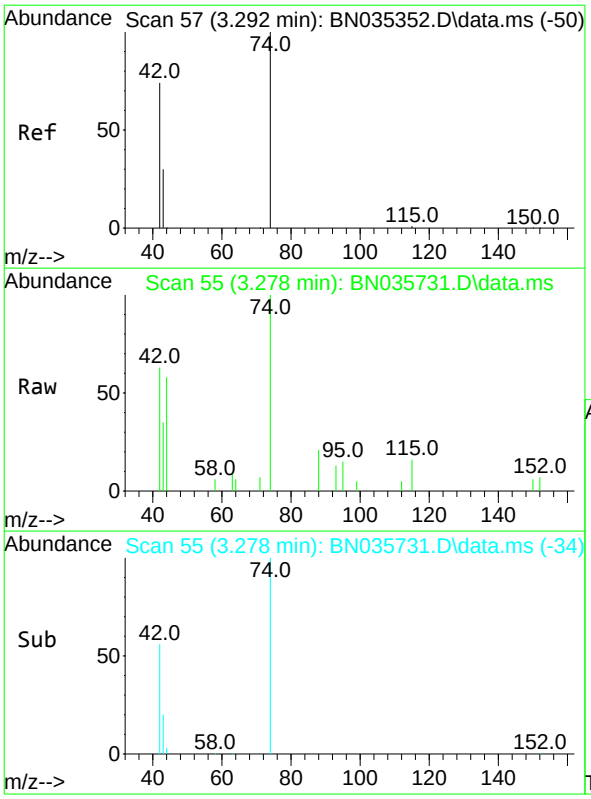


#2
1,4-Dioxane
Concen: 0.424 ng
RT: 2.981 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Tgt Ion: 88 Resp: 1312

Ion	Ratio	Lower	Upper
88	100		
43	23.4	17.2	25.8
58	52.7	44.5	66.7

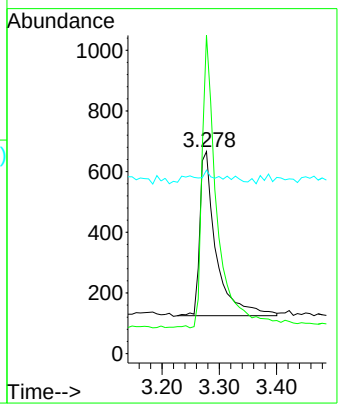




#3
n-Nitrosodimethylamine
Concen: 0.415 ng
RT: 3.278 min Scan# 55
Delta R.T. -0.000 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Tgt Ion: 42 Resp: 1070

Ion	Ratio	Lower	Upper
42	100		
74	163.5	124.9	187.3
44	1.8	2.2	3.4#



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

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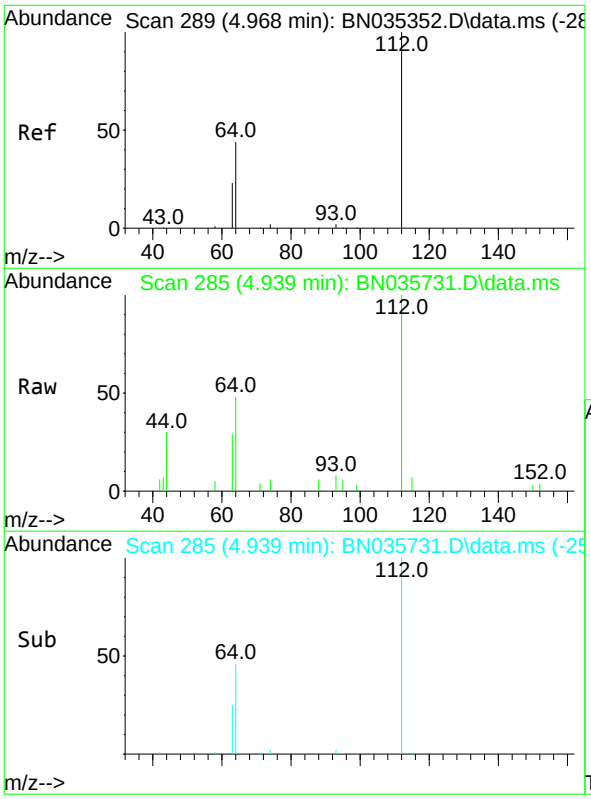
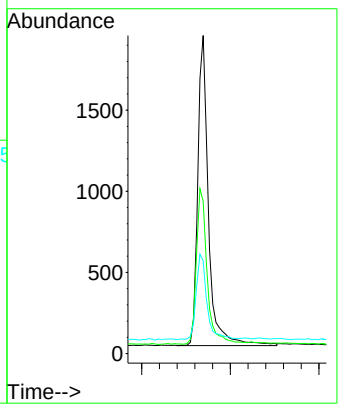
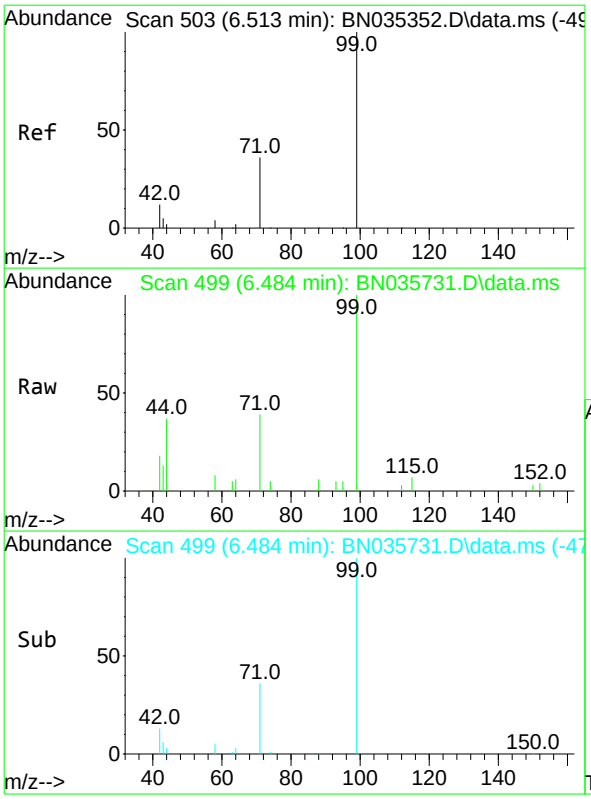


#4
2-Fluorophenol
Concen: 0.396 ng
RT: 4.939 min Scan# 285
Delta R.T. -0.000 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Tgt Ion:112 Resp: 3206

Ion	Ratio	Lower	Upper
112	100		
64	50.6	39.8	59.8
63	27.8	21.0	31.6





#5
Phenol-d6
Concen: 0.379 ng
RT: 6.484 min Scan# 49
Delta R.T. -0.007 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Tgt Ion: 99 Resp: 3691

Ion	Ratio	Lower	Upper
99	100		
42	13.8	11.4	17.2
71	36.7	29.3	43.9

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

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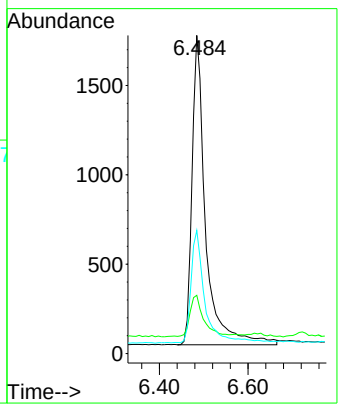
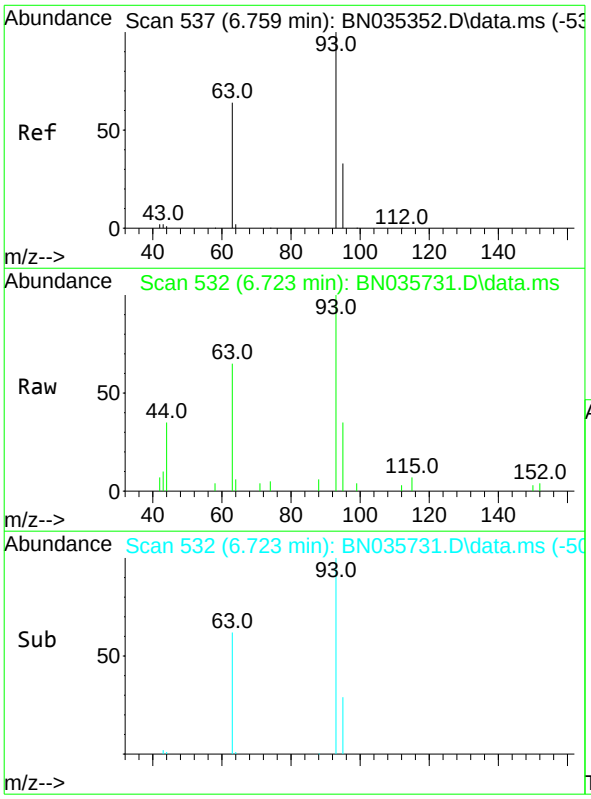
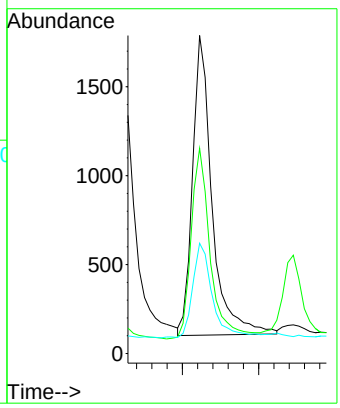


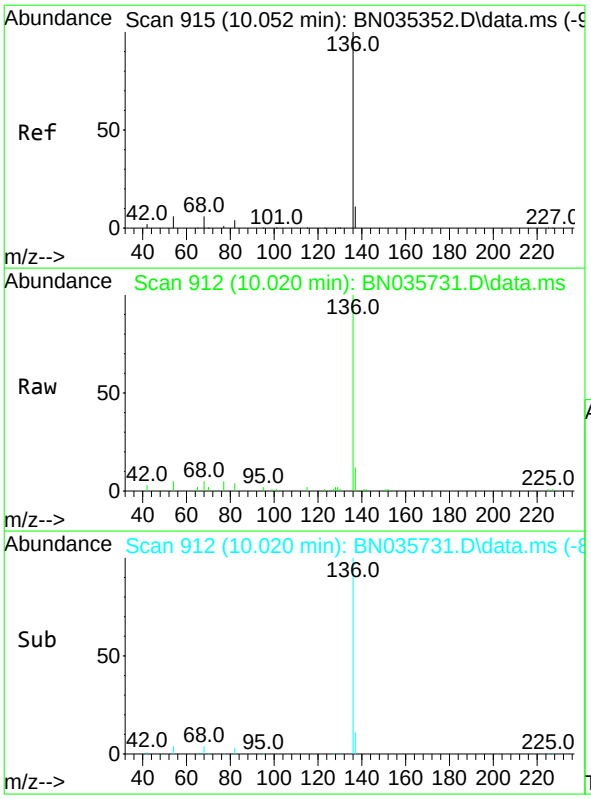


#6
bis(2-Chloroethyl)ether
Concen: 0.365 ng
RT: 6.723 min Scan# 532
Delta R.T. -0.007 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Tgt Ion: 93 Resp: 2987

Ion	Ratio	Lower	Upper
93	100		
63	62.5	50.4	75.6
95	32.2	25.7	38.5

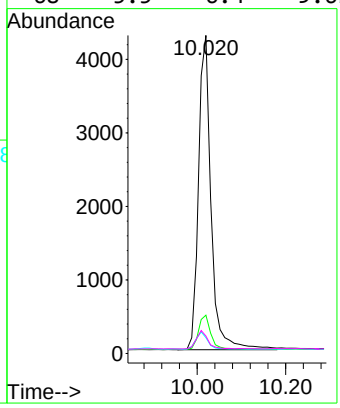




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.020 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Tgt Ion:136 Resp: 8431

Ion	Ratio	Lower	Upper
136	100		
137	12.0	10.2	15.2
54	5.0	6.1	9.1#
68	5.5	6.4	9.6#



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

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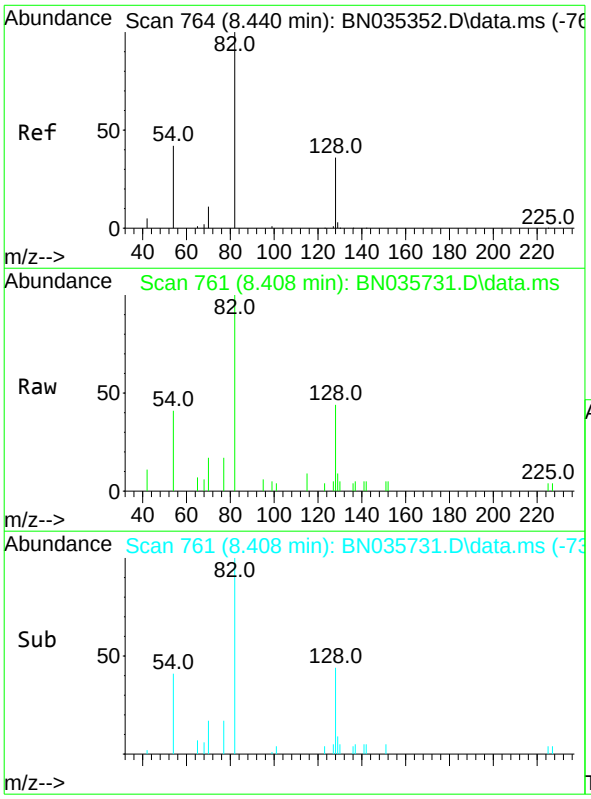
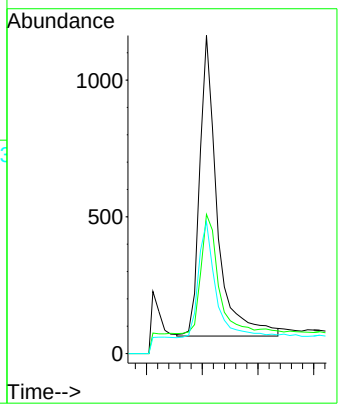
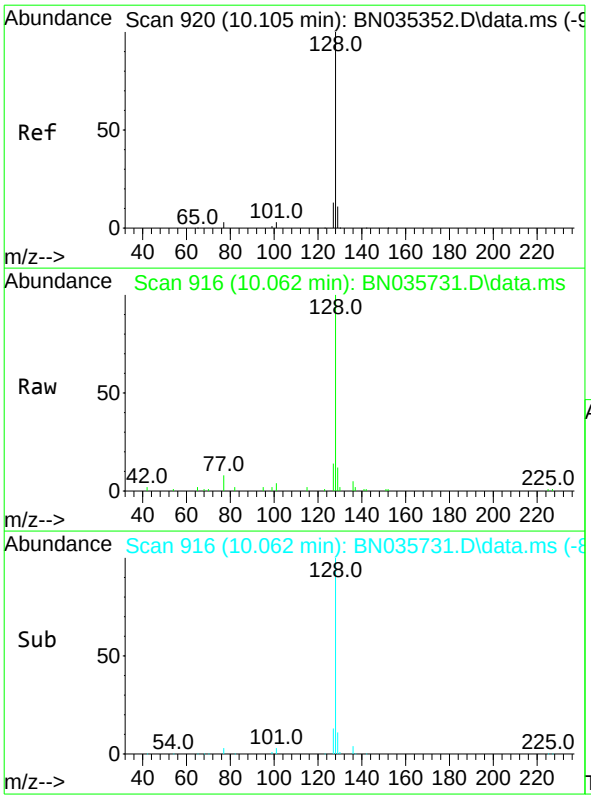


#8
Nitrobenzene-d5
Concen: 0.466 ng m
RT: 8.408 min Scan# 761
Delta R.T. -0.000 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Tgt Ion: 82 Resp: 2398

Ion	Ratio	Lower	Upper
82	100		
128	43.8	33.4	50.0
54	41.4	36.7	55.1

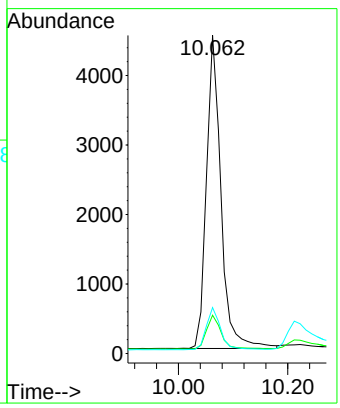




#9
Naphthalene
Concen: 0.375 ng
RT: 10.062 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Tgt Ion:128 Resp: 8331

Ion	Ratio	Lower	Upper
128	100		
129	12.0	9.8	14.6
127	14.4	11.4	17.2



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Manual Integrations
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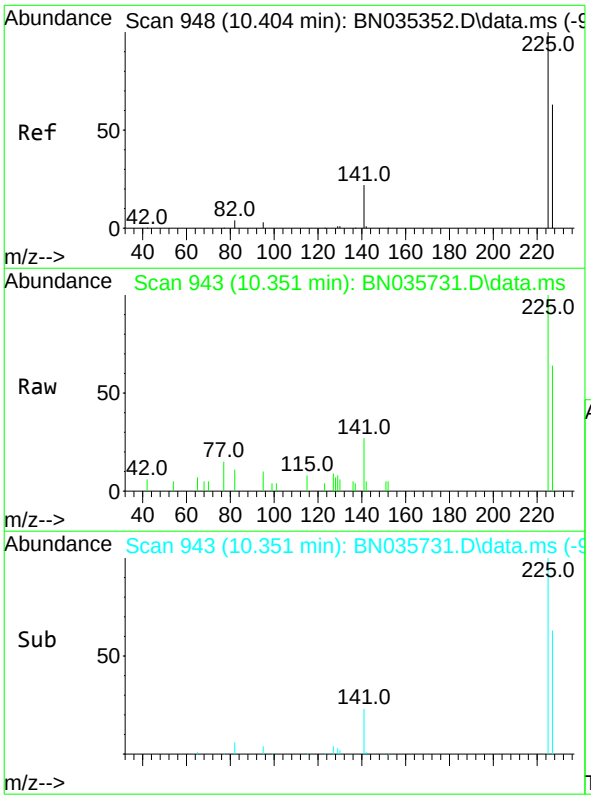
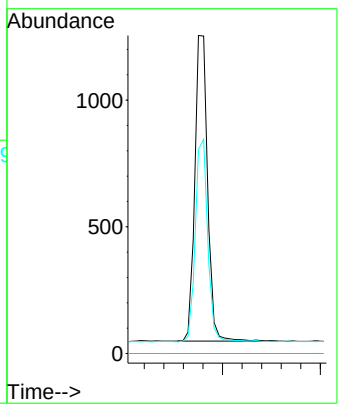
Supervised By :mohammad ahmed 12/24/2024

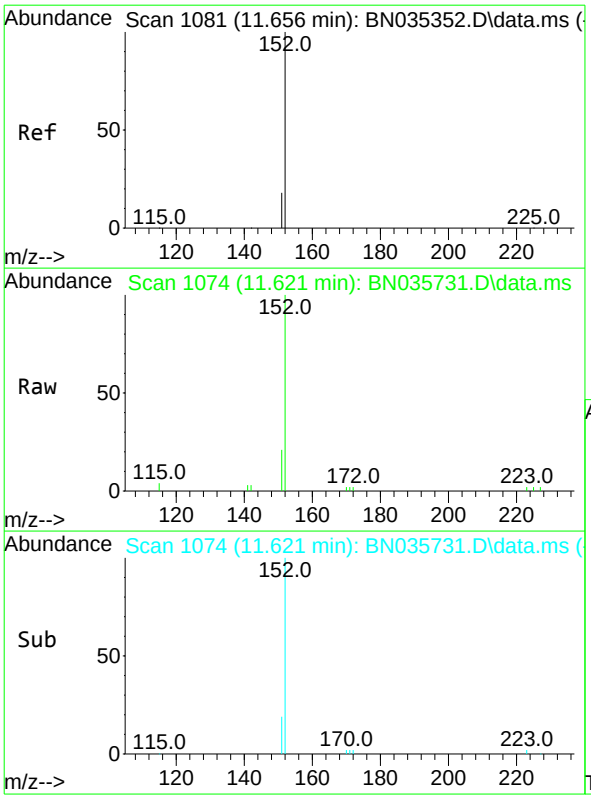


#10
Hexachlorobutadiene
Concen: 0.428 ng
RT: 10.351 min Scan# 943
Delta R.T. -0.011 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Tgt Ion:225 Resp: 2194

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	65.1	51.3	76.9





#11
2-Methylnaphthalene-d10
Concen: 0.359 ng
RT: 11.621 min Scan# 10
Delta R.T. -0.000 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Tgt Ion:152 Resp: 4741

Ion	Ratio	Lower	Upper
152	100		
151	20.9	16.6	25.0

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Manual Integrations
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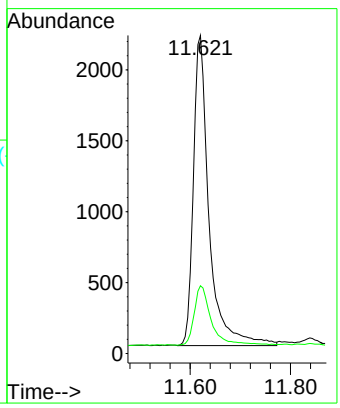
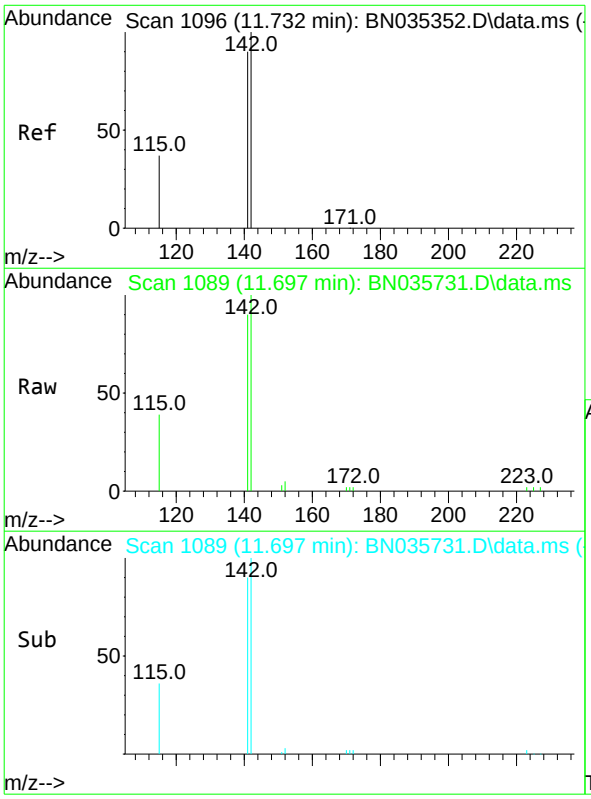
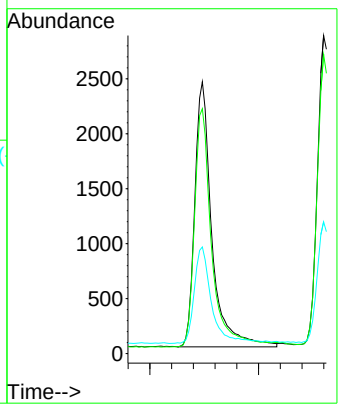


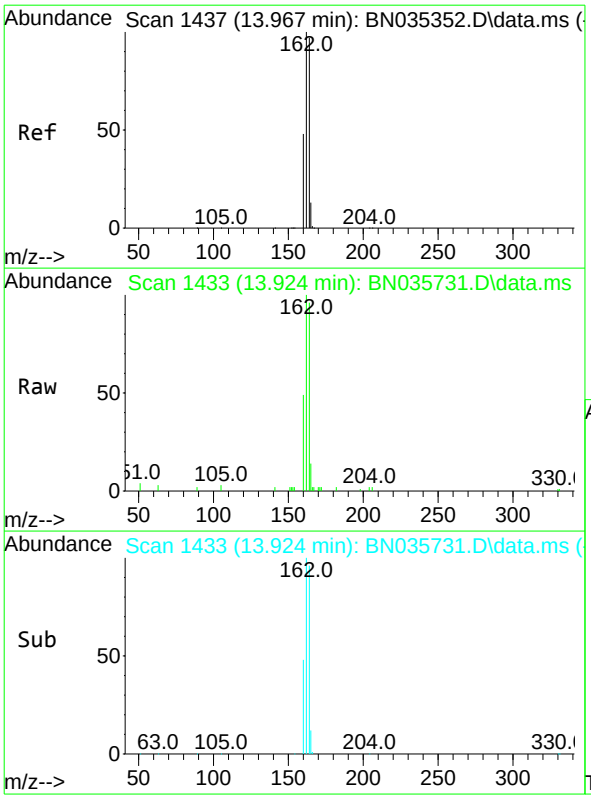


#12
2-Methylnaphthalene
Concen: 0.332 ng
RT: 11.697 min Scan# 1089
Delta R.T. -0.000 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Tgt Ion:142 Resp: 5286

Ion	Ratio	Lower	Upper
142	100		
141	90.1	72.2	108.4
115	39.2	31.4	47.0

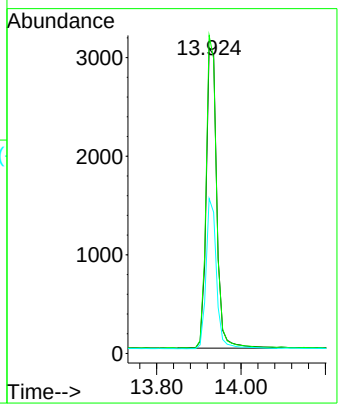




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.924 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Tgt Ion:164 Resp: 5341

Ion	Ratio	Lower	Upper
164	100		
162	104.3	82.2	123.2
160	50.8	40.1	60.1



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

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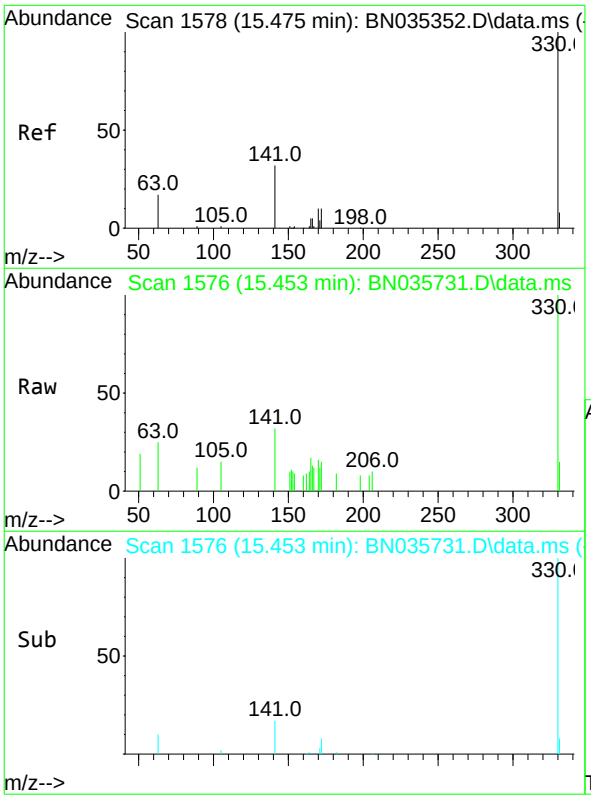
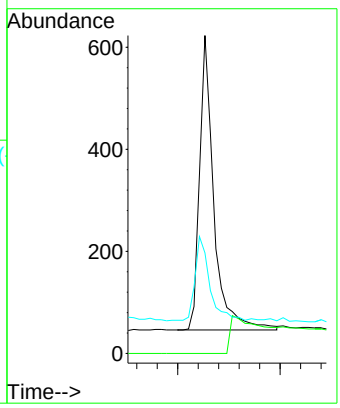
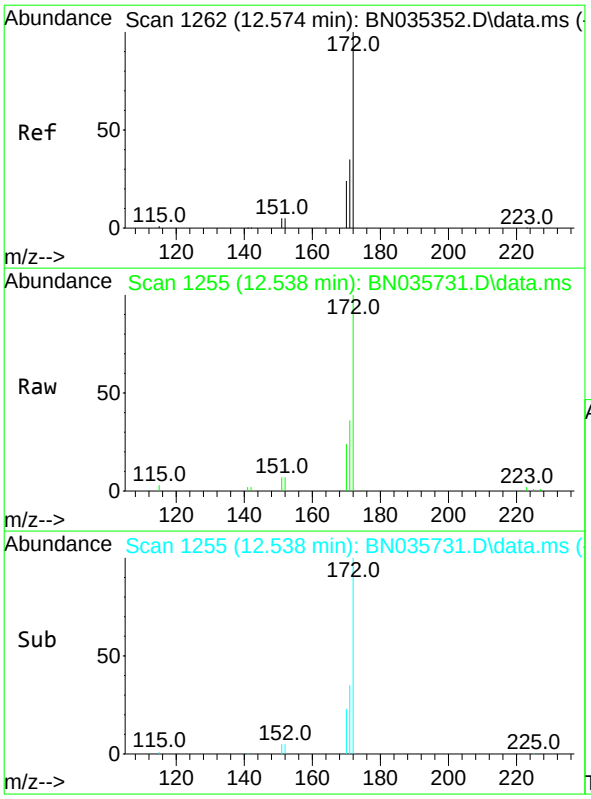


#14
2,4,6-Tribromophenol
Concen: 0.311 ng
RT: 15.453 min Scan# 1576
Delta R.T. -0.000 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Tgt Ion:330 Resp: 1180

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	28.6	26.6	40.0

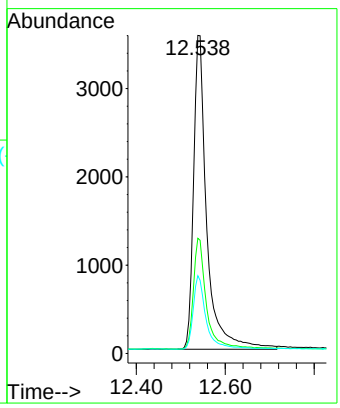




#15
2-Fluorobiphenyl
Concen: 0.364 ng
RT: 12.538 min Scan# 12
Delta R.T. -0.005 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Tgt Ion:172 Resp: 7347

Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.0	43.4
170	24.5	19.8	29.8



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Manual Integrations
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Reviewed By :Yogesh Patel 12/21/2024
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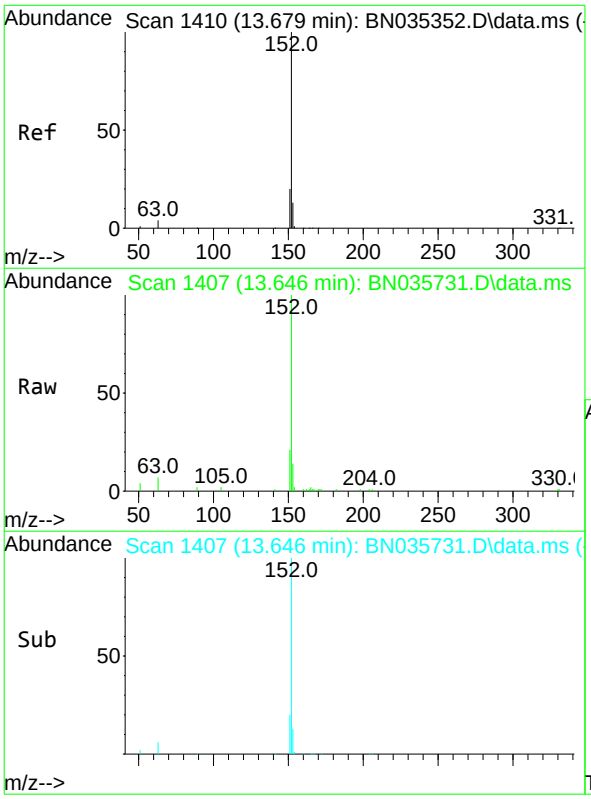
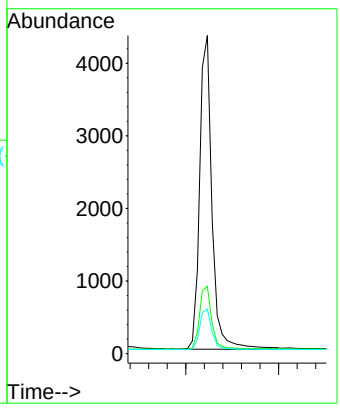
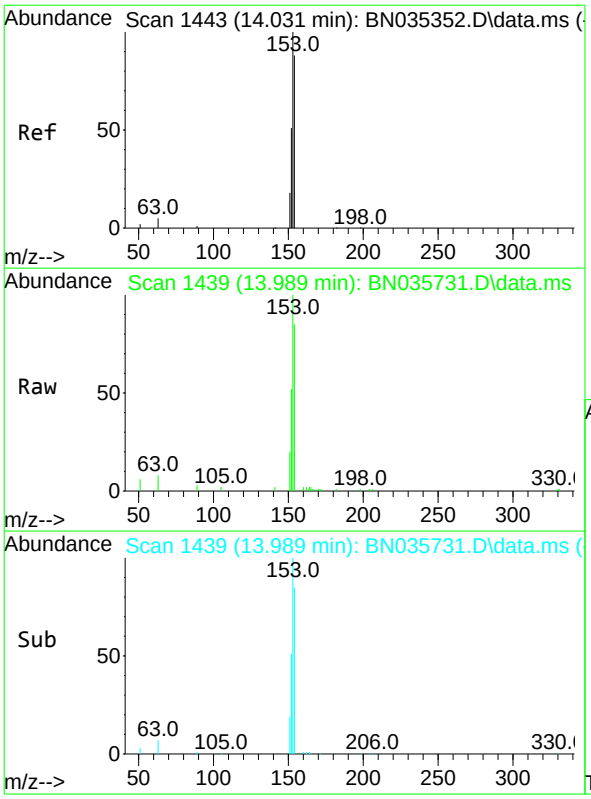


#16
Acenaphthylene
Concen: 0.354 ng
RT: 13.646 min Scan# 1407
Delta R.T. -0.000 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Tgt Ion:152 Resp: 7931

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.2	24.2
153	13.0	10.4	15.6

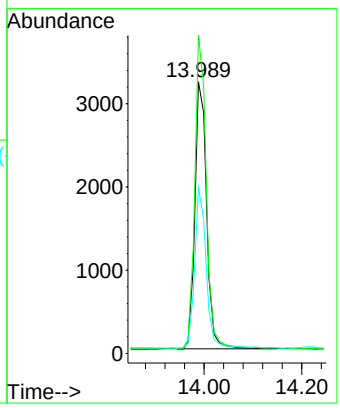




#17
Acenaphthene
Concen: 0.359 ng
RT: 13.989 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Tgt Ion:154 Resp: 5347

Ion	Ratio	Lower	Upper
154	100		
153	116.2	92.6	139.0
152	59.2	49.0	73.6



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

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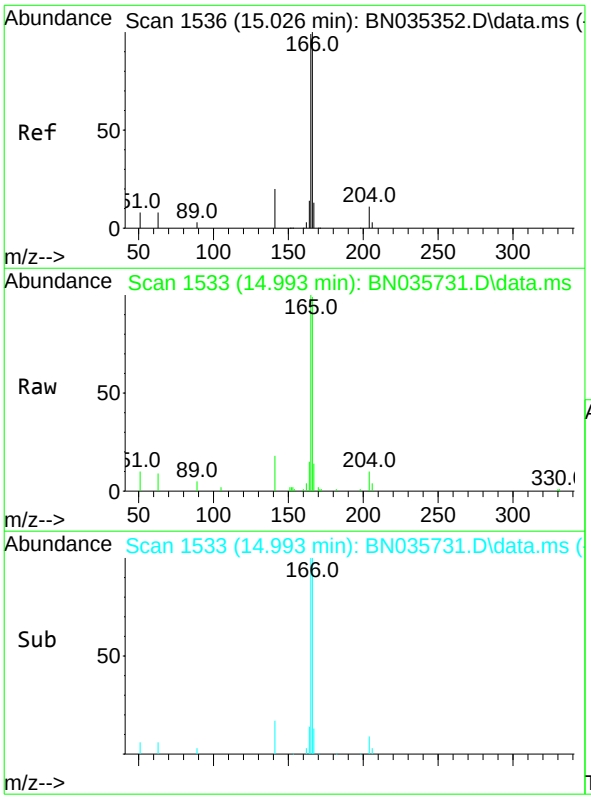
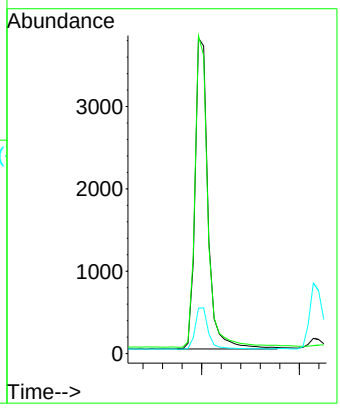
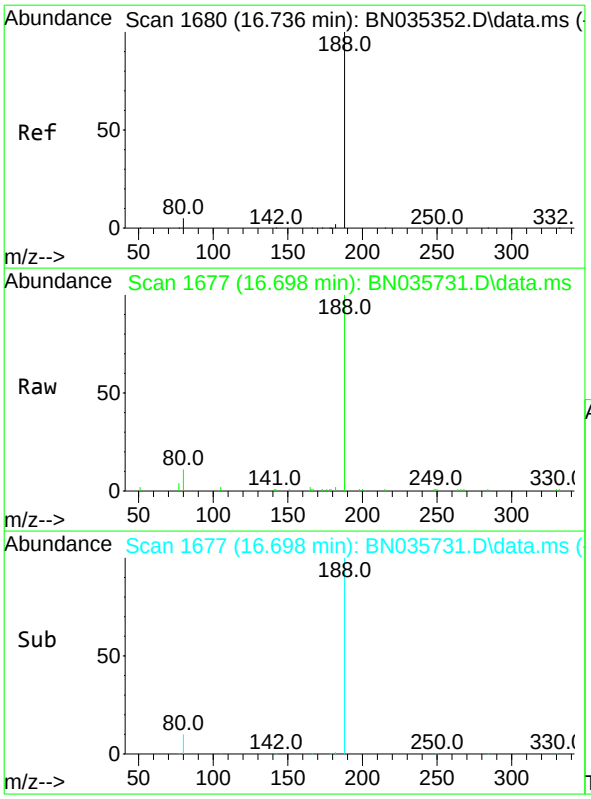


#18
Fluorene
Concen: 0.329 ng
RT: 14.993 min Scan# 1533
Delta R.T. -0.011 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Tgt Ion:166 Resp: 7004

Ion	Ratio	Lower	Upper
166	100		
165	98.3	79.7	119.5
167	13.7	10.8	16.2

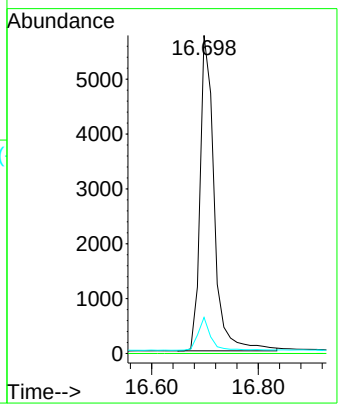




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.698 min Scan# 16
Delta R.T. -0.000 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Tgt Ion:188 Resp: 10575

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.3	4.6	6.8#



Instrument :
BNA_N
ClientSampleId :
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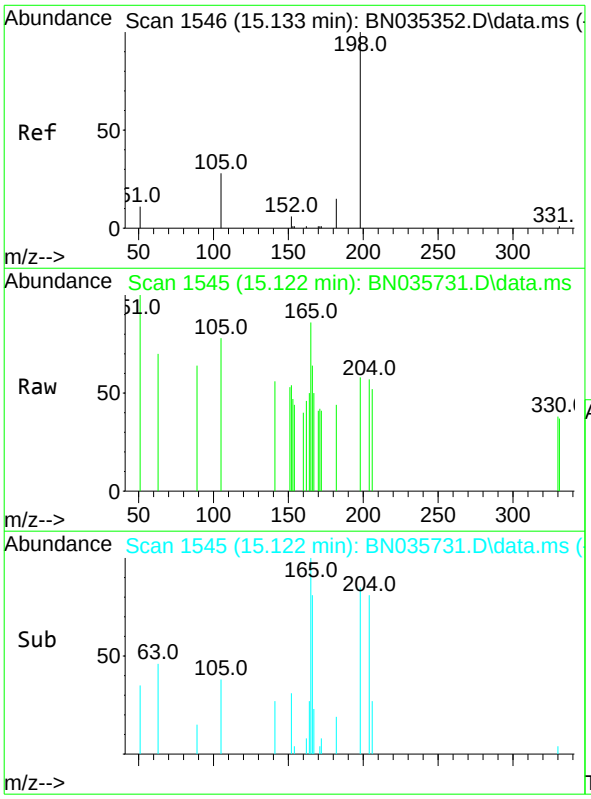
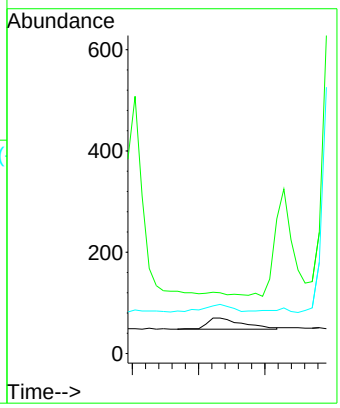
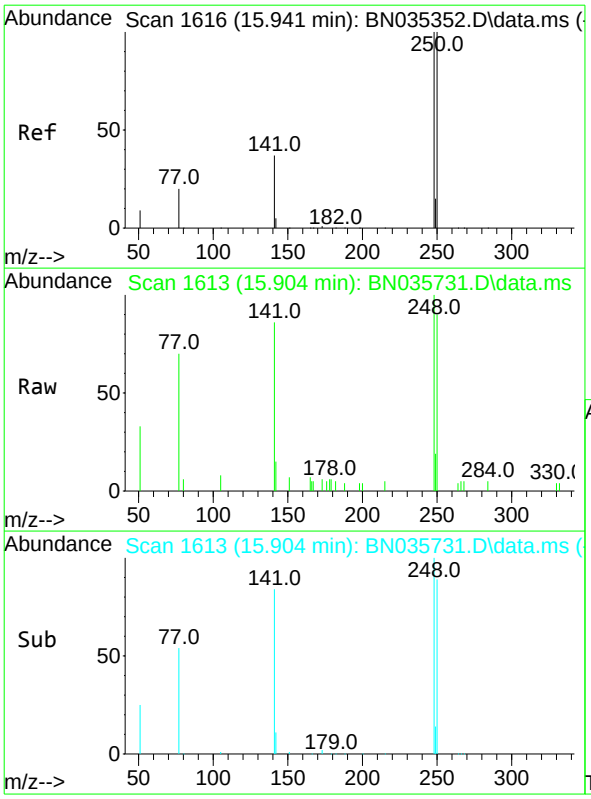


#20
4,6-Dinitro-2-methylphenol
Concen: 0.080 ng
RT: 15.122 min Scan# 1545
Delta R.T. -0.000 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Tgt Ion:198 Resp: 83

Ion	Ratio	Lower	Upper
198	100		
51	172.9	46.5	69.7#
105	134.3	45.3	67.9#

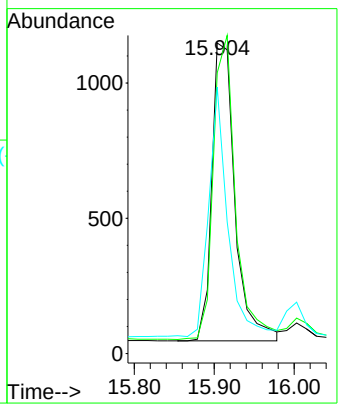




#21
4-Bromophenyl-phenylether
Concen: 0.358 ng
RT: 15.904 min Scan# 16
Delta R.T. -0.013 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Tgt Ion:248 Resp: 2216

Ion	Ratio	Lower	Upper
248	100		
250	90.4	80.6	120.8
141	85.8	31.5	47.3#



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

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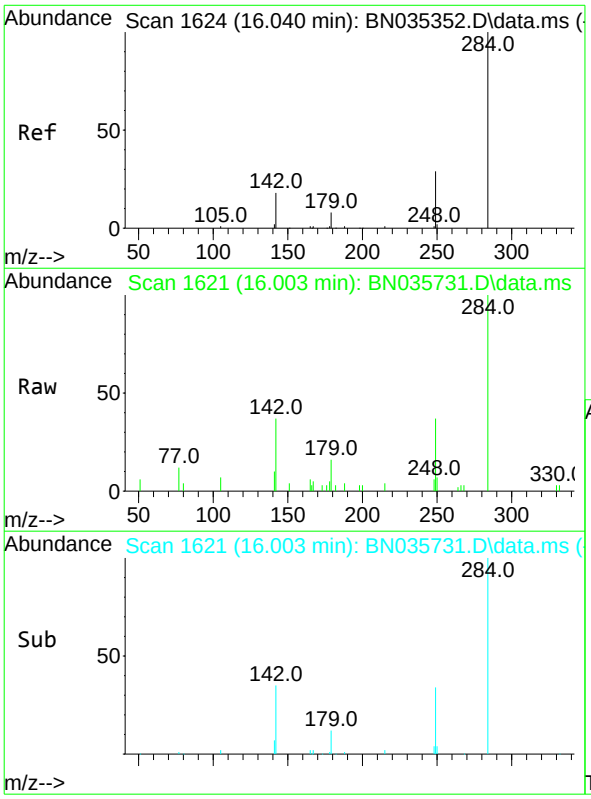
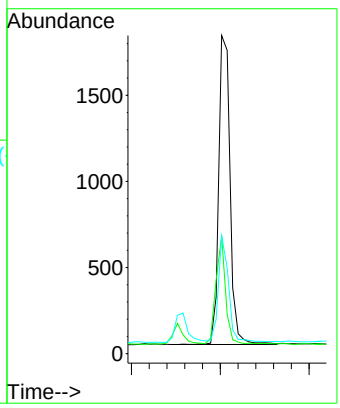
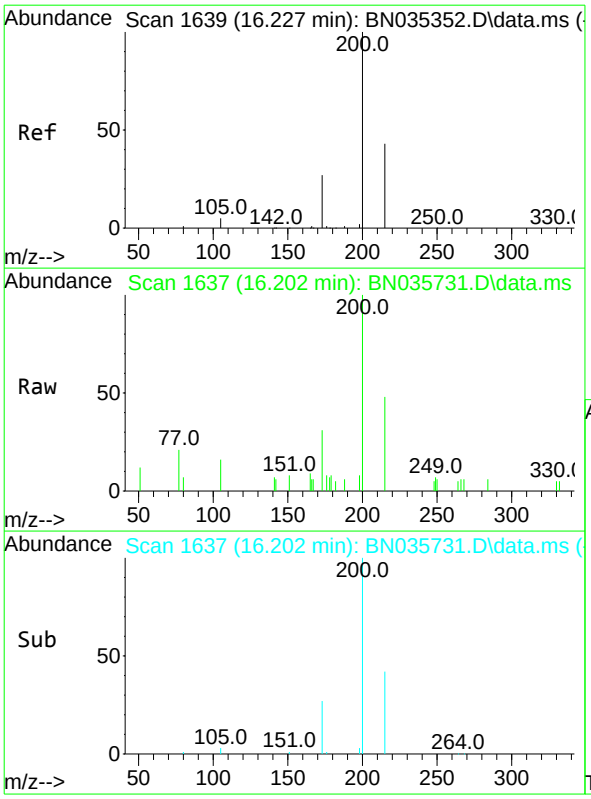


#22
Hexachlorobenzene
Concen: 0.438 ng
RT: 16.003 min Scan# 1621
Delta R.T. -0.013 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Tgt Ion:284 Resp: 3183

Ion	Ratio	Lower	Upper
284	100		
142	30.7	26.7	40.1
249	30.4	24.6	36.8

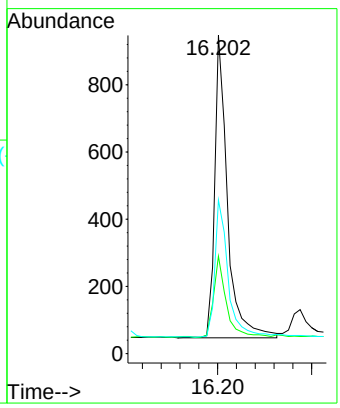




#23
Atrazine
Concen: 0.385 ng
RT: 16.202 min Scan# 16
Delta R.T. -0.000 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Tgt Ion:200 Resp: 1696

Ion	Ratio	Lower	Upper
200	100		
173	30.6	24.1	36.1
215	48.3	36.9	55.3



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

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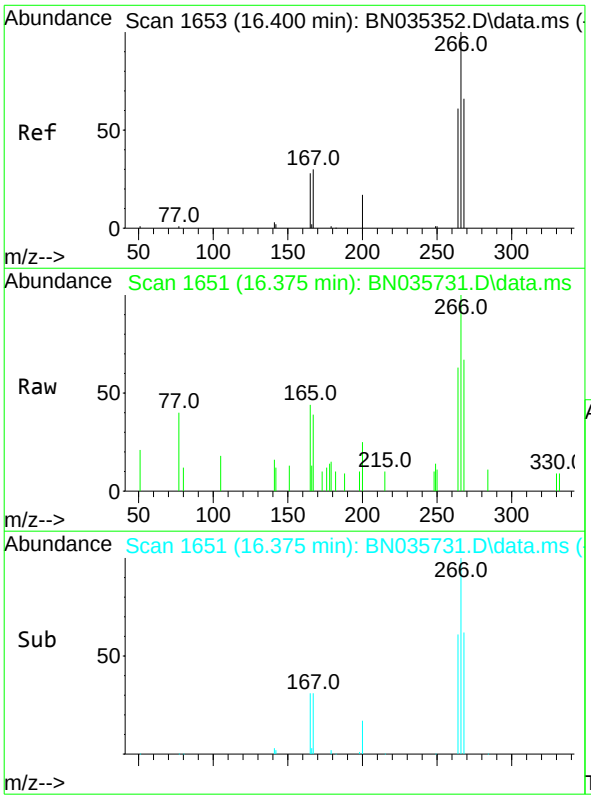
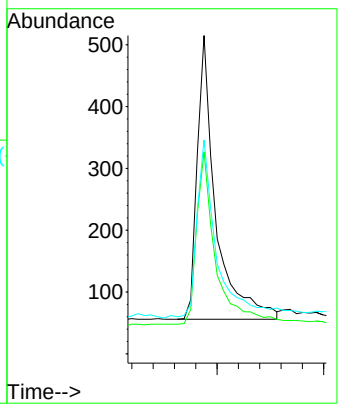
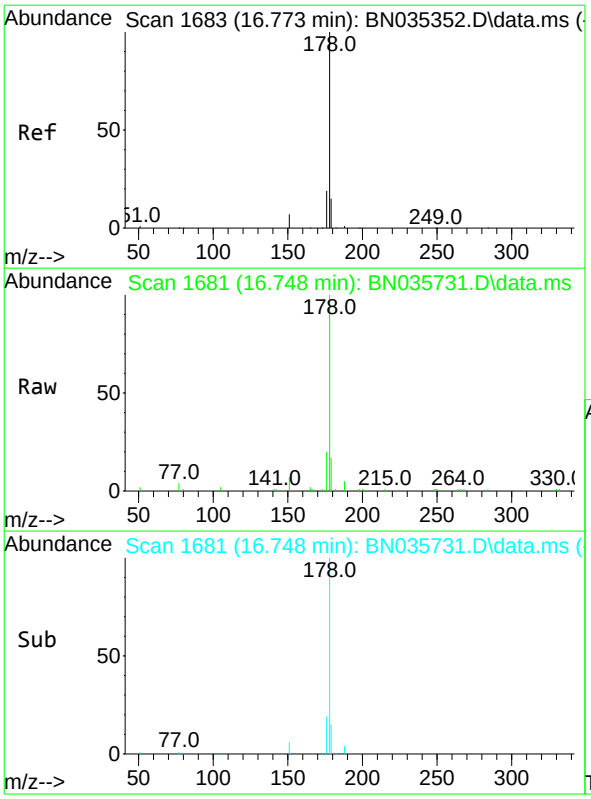


#24
Pentachlorophenol
Concen: 0.350 ng
RT: 16.375 min Scan# 1651
Delta R.T. -0.000 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Tgt Ion:266 Resp: 1107

Ion	Ratio	Lower	Upper
266	100		
264	62.6	42.3	63.5
268	68.5	43.3	64.9#

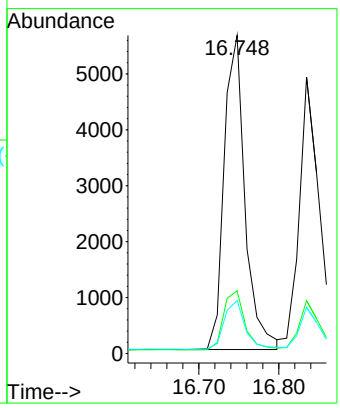




#25
Phenanthrene
Concen: 0.351 ng
RT: 16.748 min Scan# 16
Delta R.T. -0.000 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Tgt Ion:178 Resp: 10192

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	15.7	12.3	18.5



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

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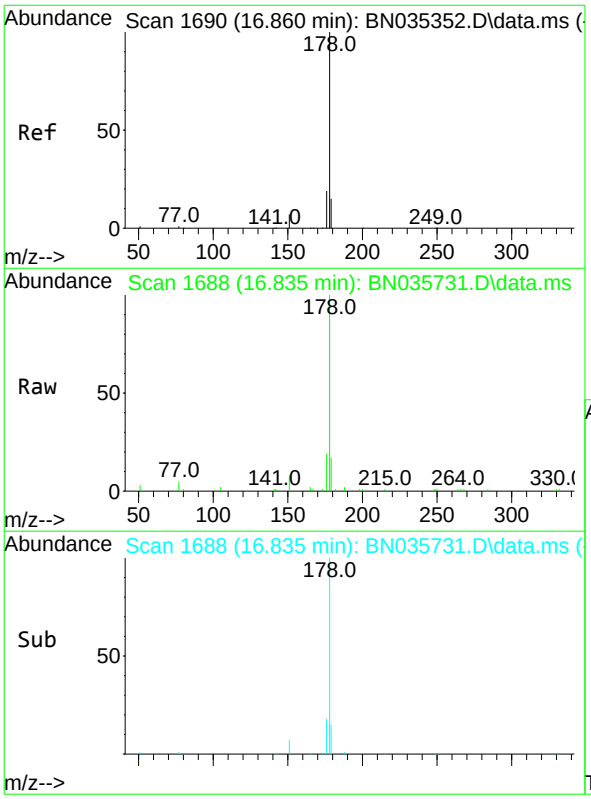
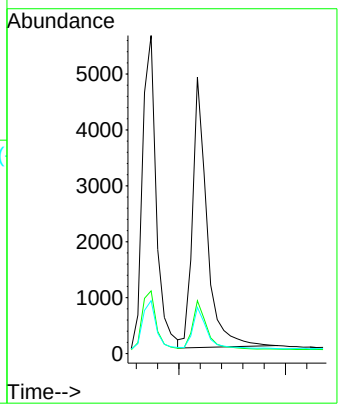
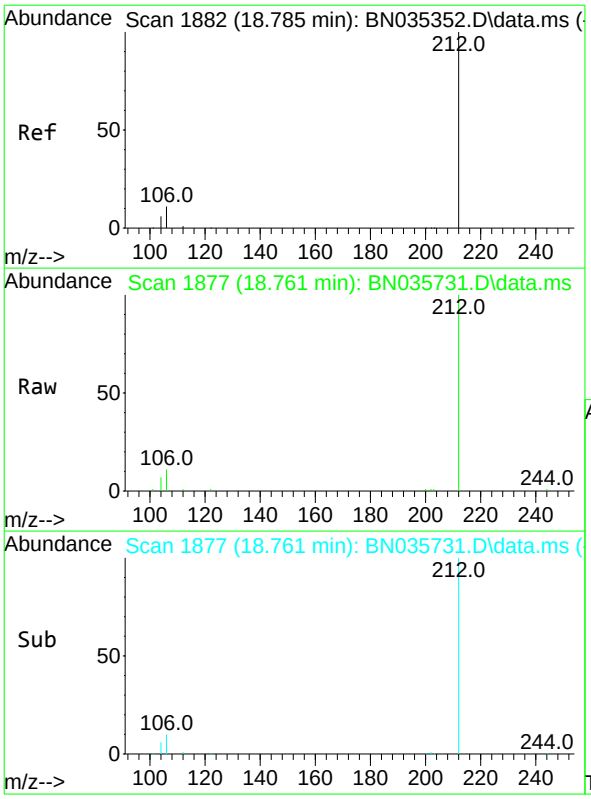


#26
Anthracene
Concen: 0.346 ng
RT: 16.835 min Scan# 1688
Delta R.T. -0.000 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Tgt Ion:178 Resp: 9082

Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.0	22.6
179	15.6	12.6	18.8





#27
Fluoranthene-d10
Concen: 0.347 ng
RT: 18.761 min Scan# 18
Delta R.T. -0.000 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Tgt Ion:212 Resp: 10416

Ion	Ratio	Lower	Upper
212	100		
106	10.8	9.2	13.8
104	6.3	5.3	7.9

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

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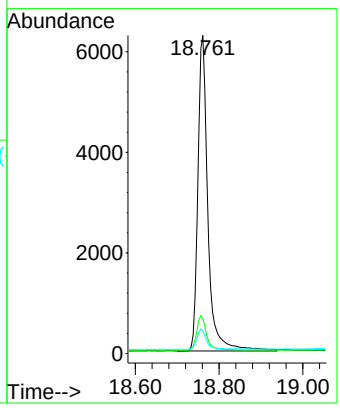
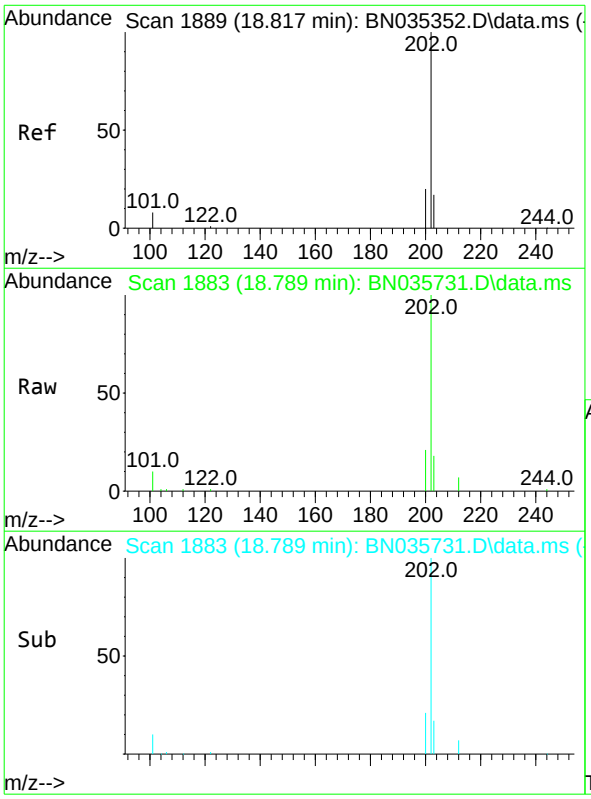
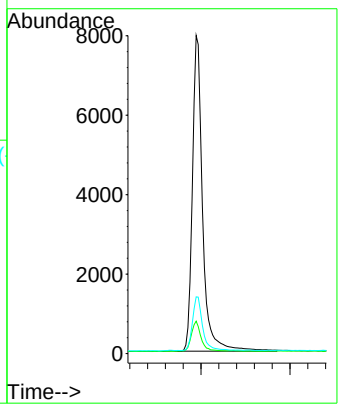


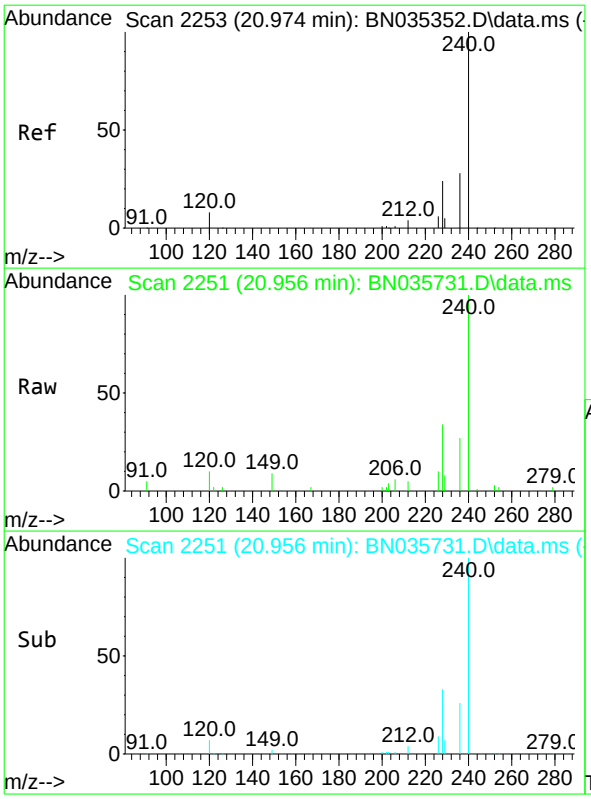


#28
Fluoranthene
Concen: 0.324 ng
RT: 18.789 min Scan# 1883
Delta R.T. -0.000 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Tgt Ion:202 Resp: 12678

Ion	Ratio	Lower	Upper
202	100		
101	9.4	7.4	11.0
203	16.7	13.7	20.5

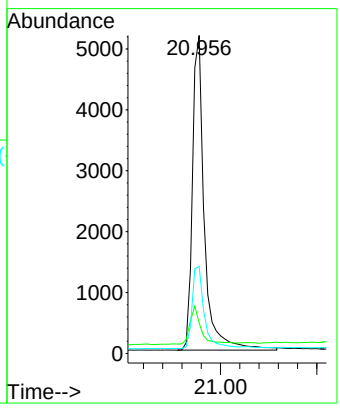




#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.956 min Scan# 22
Delta R.T. -0.000 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Tgt Ion:240 Resp: 8878

Ion	Ratio	Lower	Upper
240	100		
120	9.6	7.9	11.9
236	27.4	22.9	34.3



Instrument :
BNA_N
ClientSampleId :
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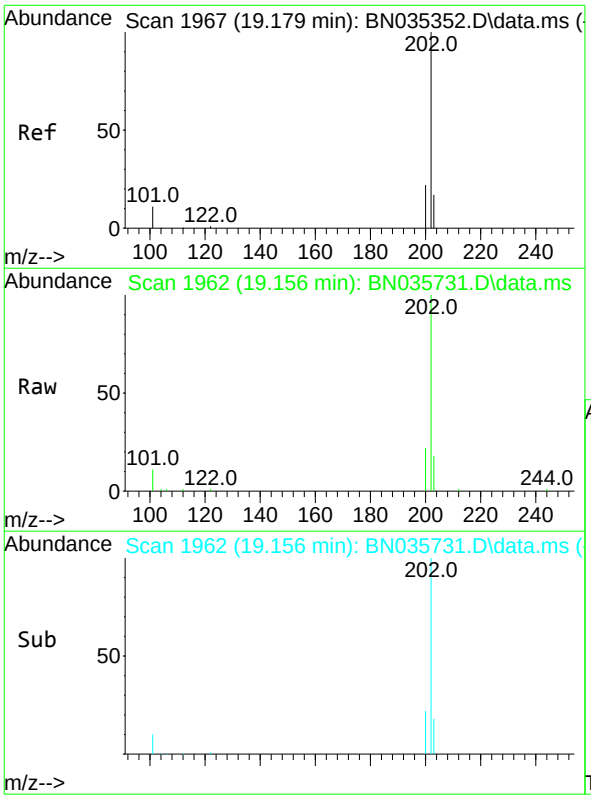
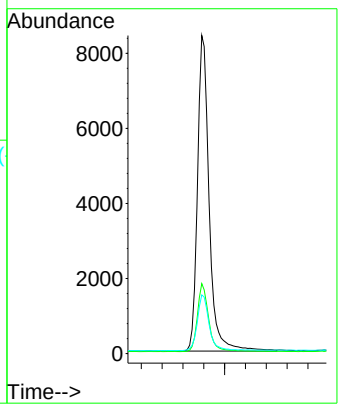
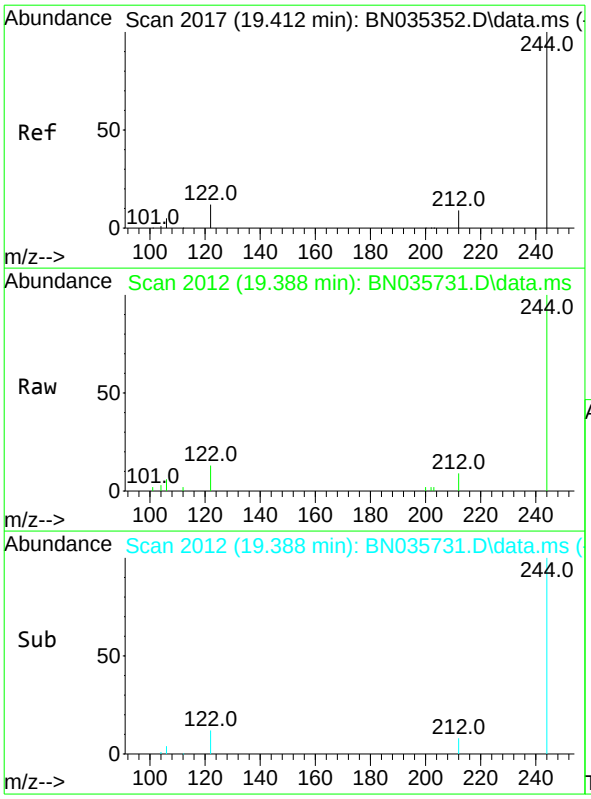


#30
Pyrene
Concen: 0.399 ng
RT: 19.156 min Scan# 1962
Delta R.T. -0.005 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Tgt Ion:202 Resp: 13069

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.0	25.4
203	17.8	14.3	21.5

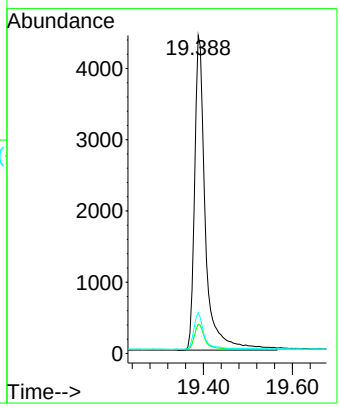




#31
Terphenyl-d14
Concen: 0.426 ng
RT: 19.388 min Scan# 20
Delta R.T. -0.000 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Tgt Ion:244 Resp: 7453

Ion	Ratio	Lower	Upper
244	100		
212	9.2	8.1	12.1
122	12.9	10.3	15.5



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

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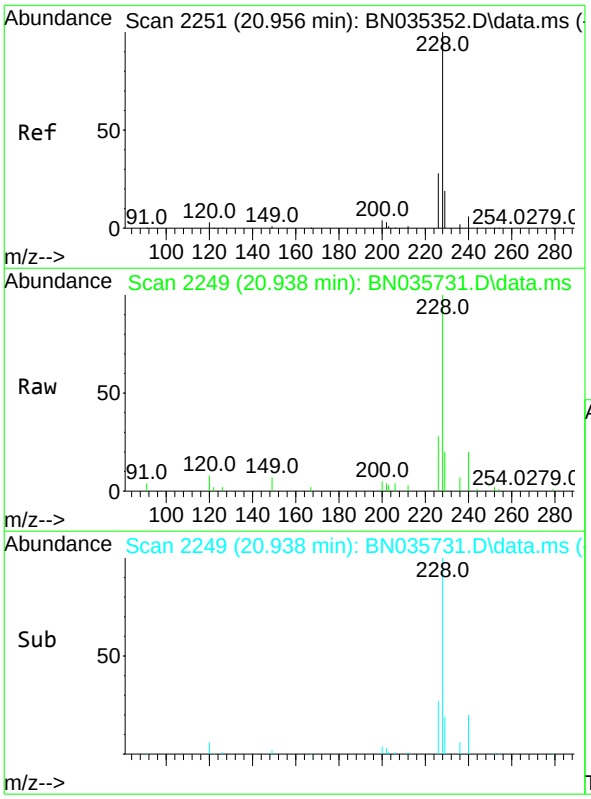
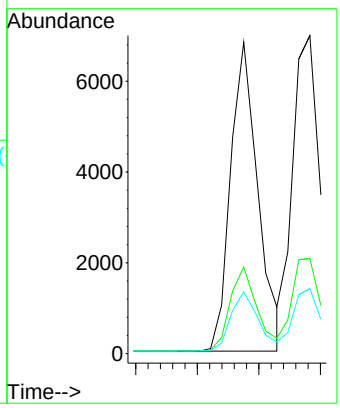
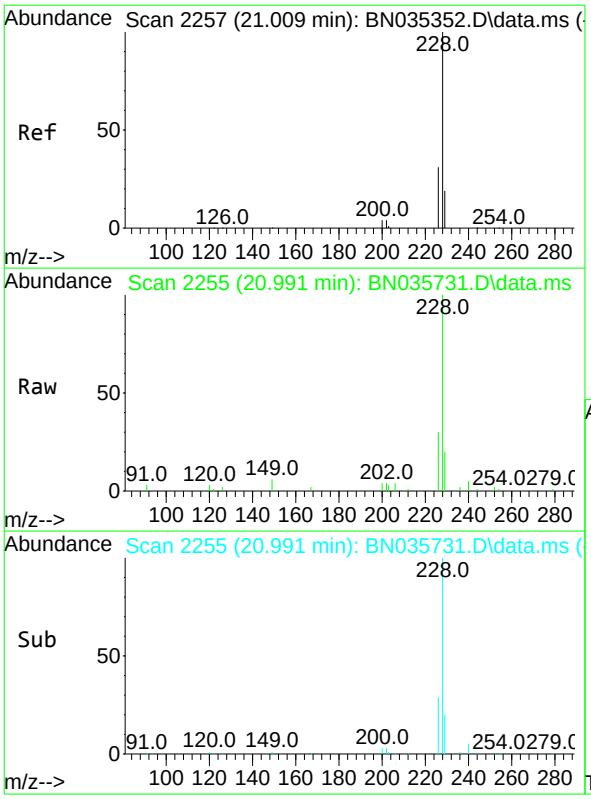


#32
Benzo(a)anthracene
Concen: 0.339 ng
RT: 20.938 min Scan# 2249
Delta R.T. -0.000 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Tgt Ion:228 Resp: 10542

Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.5	33.7
229	19.8	15.8	23.8

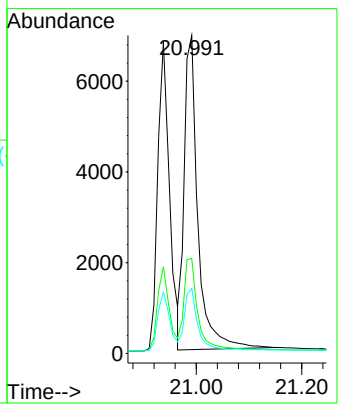




#33
Chrysene
Concen: 0.389 ng
RT: 20.991 min Scan# 22
Delta R.T. -0.000 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Tgt Ion:228 Resp: 12448

Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.6	37.0
229	20.4	15.9	23.9



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

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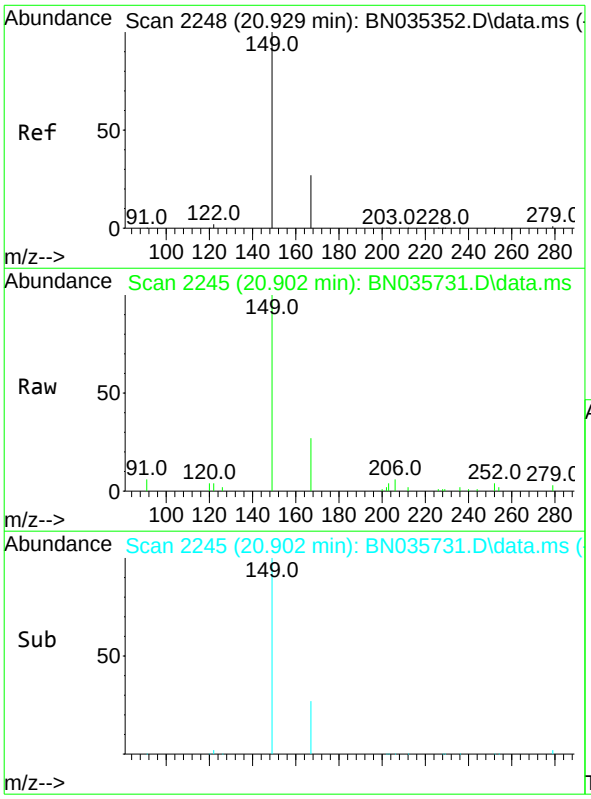
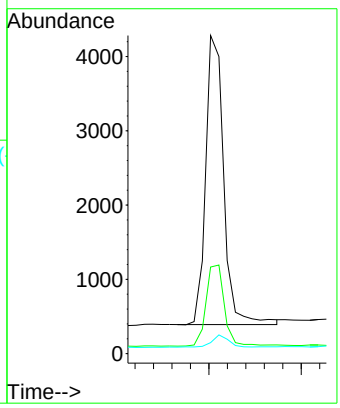
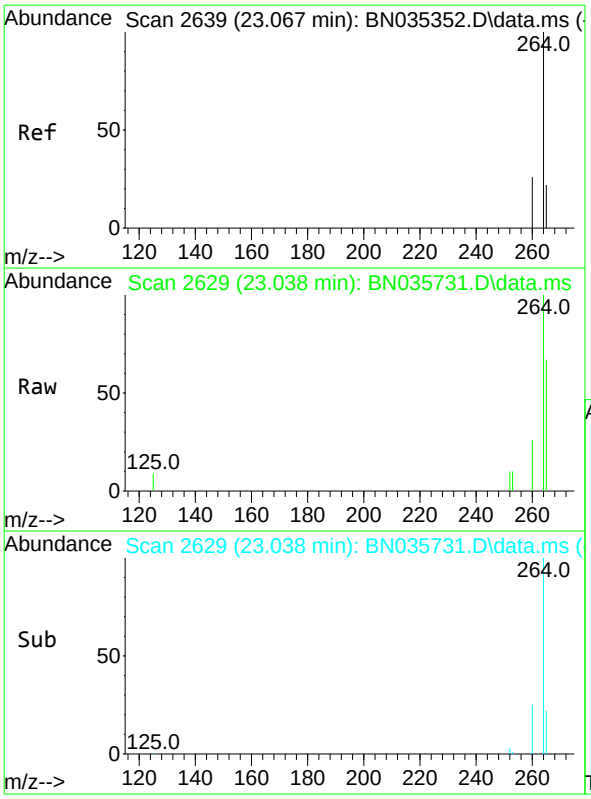


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.430 ng
RT: 20.902 min Scan# 2245
Delta R.T. -0.009 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Tgt Ion:149 Resp: 5271

Ion	Ratio	Lower	Upper
149	100		
167	28.6	22.2	33.4
279	3.9	2.7	4.1

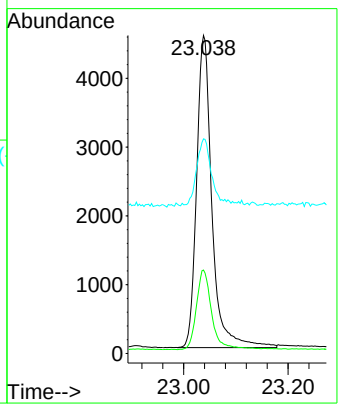




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.038 min Scan# 26
Delta R.T. -0.003 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Tgt Ion:264 Resp: 9229

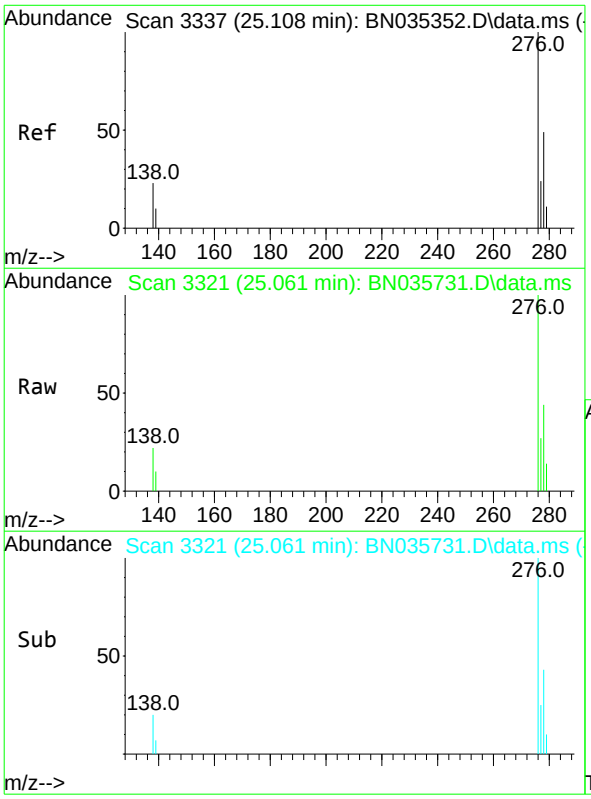
Ion	Ratio	Lower	Upper
264	100		
260	26.2	21.4	32.2
265	67.5	40.2	60.4#



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Manual Integrations
APPROVED

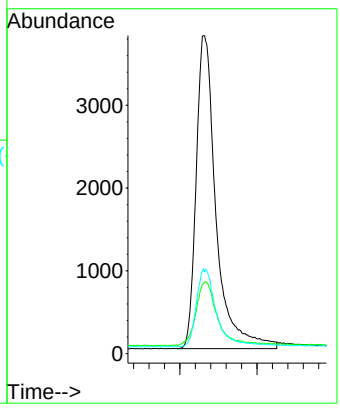
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

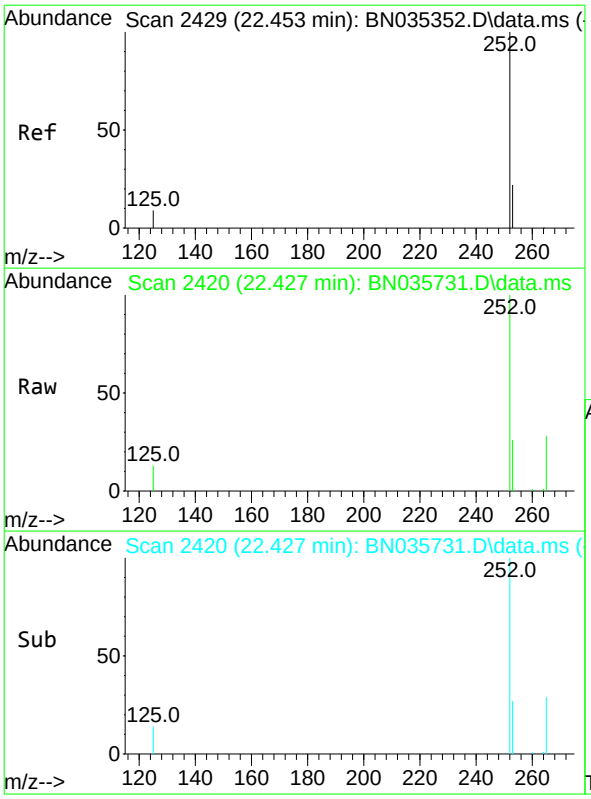


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.376 ng
RT: 25.061 min Scan# 3321
Delta R.T. -0.006 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Tgt Ion:276 Resp: 13578

Ion	Ratio	Lower	Upper
276	100		
138	21.2	19.4	29.0
277	24.0	19.8	29.6





#37
Benzo(b)fluoranthene
Concen: 0.438 ng
RT: 22.427 min Scan# 24
Delta R.T. -0.003 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

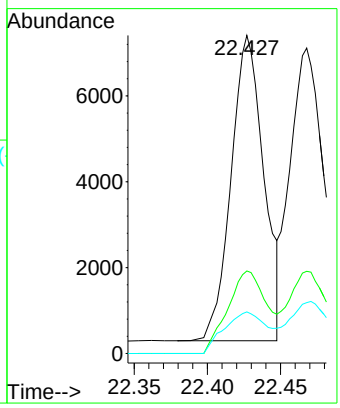
Tgt Ion:252 Resp: 14777

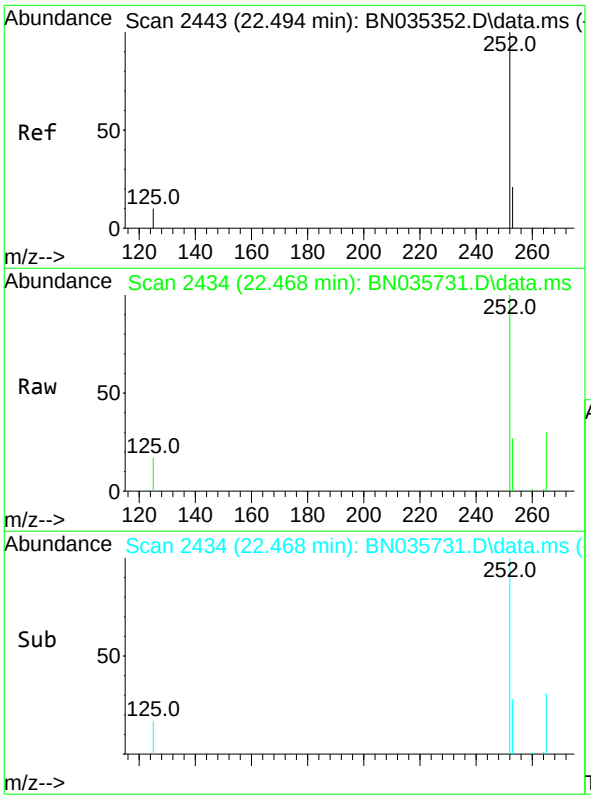
Ion	Ratio	Lower	Upper
252	100		
253	25.9	19.6	29.4
125	13.1	9.6	14.4

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

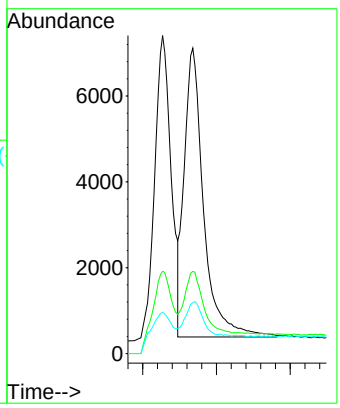


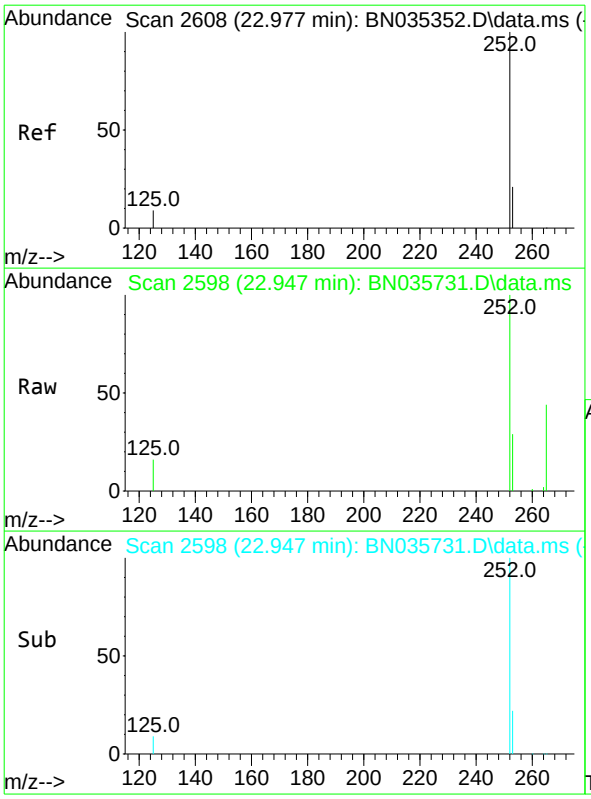


#38
Benzo(k)fluoranthene
Concen: 0.370 ng m
RT: 22.468 min Scan# 2434
Delta R.T. -0.003 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Tgt Ion:252 Resp: 12300

Ion	Ratio	Lower	Upper
252	100		
253	26.9	19.5	29.3
125	16.7	10.2	15.4#





#39
Benzo(a)pyrene
Concen: 0.365 ng
RT: 22.947 min Scan# 25
Delta R.T. -0.003 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

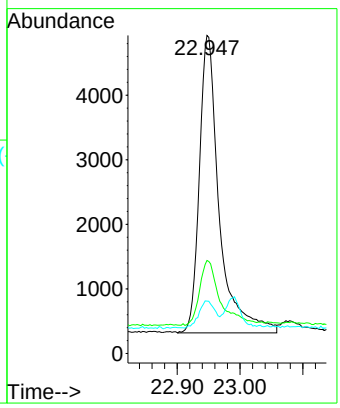
Tgt Ion:252 Resp: 10146

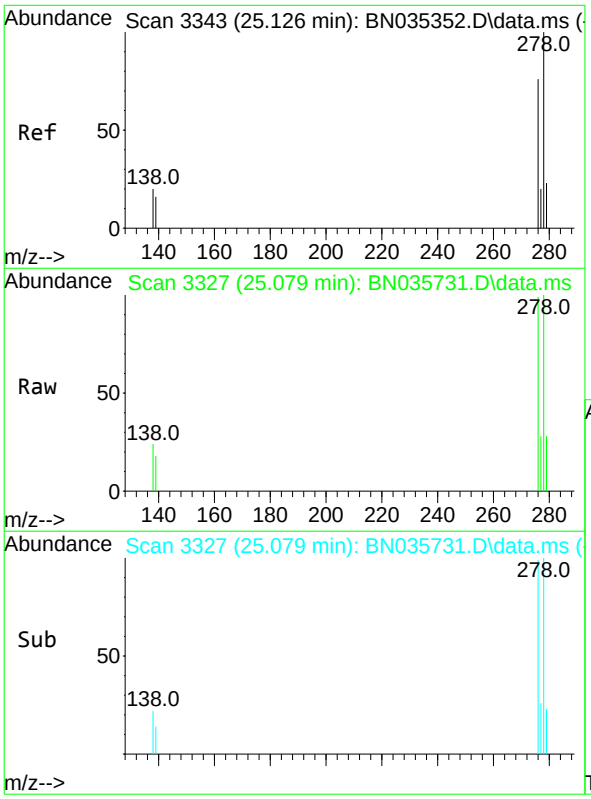
Ion	Ratio	Lower	Upper
252	100		
253	29.2	20.2	30.4
125	16.5	10.9	16.3#

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

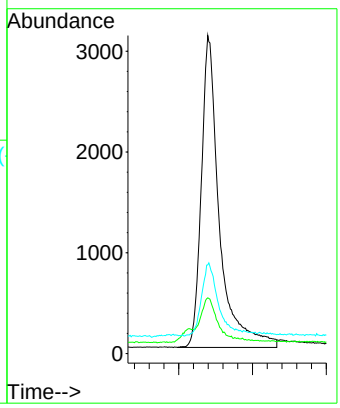


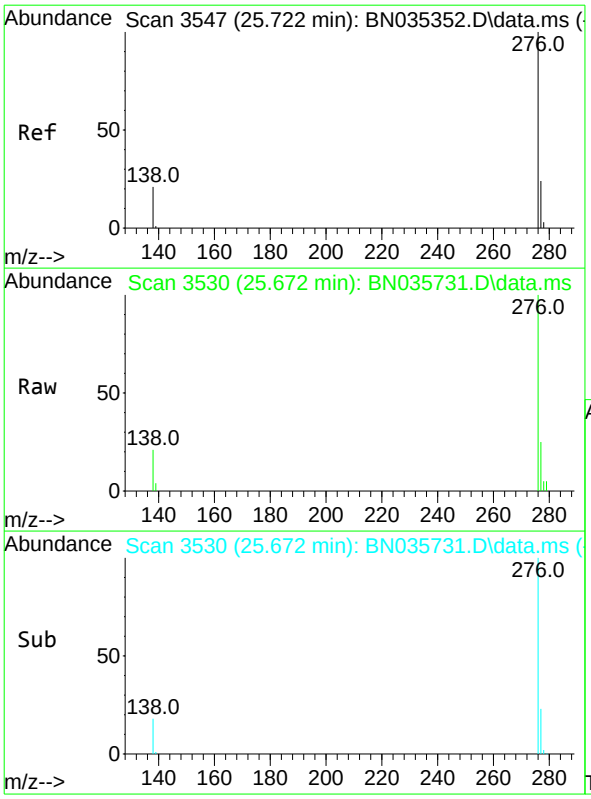


#40
Dibenzo(a,h)anthracene
Concen: 0.370 ng
RT: 25.079 min Scan# 3327
Delta R.T. -0.003 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Tgt Ion:278 Resp: 10523

Ion	Ratio	Lower	Upper
278	100		
139	17.5	14.2	21.4
279	27.9	20.5	30.7

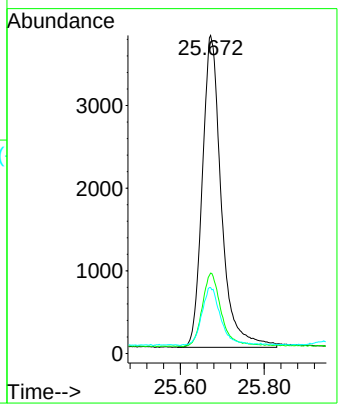




#41
Benzo(g,h,i)perylene
Concen: 0.400 ng
RT: 25.672 min Scan# 35
Delta R.T. -0.006 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Tgt Ion:276 Resp: 11906

Ion	Ratio	Lower	Upper
276	100		
277	25.3	19.9	29.9
138	20.7	17.8	26.8



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035731.D
Acq On : 20 Dec 2024 08:04
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Quant Time: Dec 20 08:27:53 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	158#	0.00
2		1,4-Dioxane	0.382	0.405	-6.0	170#	0.00
3		n-Nitrosodimethylamine	0.319	0.330	-3.4	160#	0.00
4	S	2-Fluorophenol	1.001	0.990	1.1	154#	0.00
5	S	Phenol-d6	1.204	1.140	5.3	151#	0.00
6		bis(2-Chloroethyl)ether	1.012	0.922	8.9	147	0.00
7	I	Naphthalene-d8	1.000	1.000	0.0	161#	0.00
8	S	Nitrobenzene-d5	0.244	0.284	-16.4	195#	0.00
9		Naphthalene	1.055	0.988	6.4	152#	0.00
10		Hexachlorobutadiene	0.243	0.260	-7.0	170#	-0.01
11	SURR	2-Methylnaphthalene-d10	0.626	0.562	10.2	146	0.00
12		2-Methylnaphthalene	0.755	0.627	17.0	137	0.00
13	I	Acenaphthene-d10	1.000	1.000	0.0	141	-0.01
14	S	2,4,6-Tribromophenol	0.284	0.221	22.2	121	0.00
15	S	2-Fluorobiphenyl	1.512	1.376	9.0	128	0.00
16		Acenaphthylene	1.680	1.485	11.6	131	0.00
17		Acenaphthene	1.115	1.001	10.2	130	-0.01
18		Fluorene	1.596	1.311	17.9	119	-0.01
19	I	Phenanthrene-d10	1.000	1.000	0.0	111	0.00
20		4,6-Dinitro-2-methylphenol	0.039	0.008	79.5#	25#	0.00
21		4-Bromophenyl-phenylether	0.234	0.210	10.3	103	-0.01
22		Hexachlorobenzene	0.275	0.301	-9.5	123	-0.01
23		Atrazine	0.167	0.160	4.2	116	0.00
24		Pentachlorophenol	0.120	0.105	12.5	122	0.00
25		Phenanthrene	1.099	0.964	12.3	101	0.00
26		Anthracene	0.994	0.859	13.6	102	0.00
27	SURR	Fluoranthene-d10	1.134	0.985	13.1	102	0.00
28		Fluoranthene	1.481	1.199	19.0	94	0.00
29	I	Chrysene-d12	1.000	1.000	0.0	93	0.00
30		Pyrene	1.477	1.472	0.3	93	0.00
31	S	Terphenyl-d14	0.789	0.839	-6.3	99	0.00
32		Benzo(a)anthracene	1.399	1.187	15.2	82	0.00
33		Chrysene	1.443	1.402	2.8	91	0.00
34		Bis(2-ethylhexyl)phthalate	0.553	0.594	-7.4	107	0.00
35	I	Perylene-d12	1.000	1.000	0.0	85	0.00
36		Indeno(1,2,3-cd)pyrene	1.564	1.471	5.9	82	0.00
37		Benzo(b)fluoranthene	1.463	1.601	-9.4	104	0.00
38		Benzo(k)fluoranthene	1.440	1.333	7.4	81	0.00
39	C	Benzo(a)pyrene	1.205	1.099	8.8	82	0.00
40		Dibenzo(a,h)anthracene	1.234	1.140	7.6	81	0.00
41		Benzo(g,h,i)perylene	1.289	1.290	-0.1	88	0.00

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035731.D
Acq On : 20 Dec 2024 08:04
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Quant Time: Dec 20 08:27:53 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	0.400	0.400	0.0	158	0.00
2		1,4-Dioxane	0.400	0.424	-6.0	170	0.00
3		n-Nitrosodimethylamine	0.400	0.415	-3.7	160	0.00
4	S	2-Fluorophenol	0.400	0.396	1.0	154	0.00
5	S	Phenol-d6	0.400	0.379	5.3	151	0.00
6		bis(2-Chloroethyl)ether	0.400	0.365	8.8	147	0.00
7	I	Naphthalene-d8	0.400	0.400	0.0	161	0.00
8	S	Nitrobenzene-d5	0.400	0.466	-16.5	195	0.00
9		Naphthalene	0.400	0.375	6.3	152	0.00
10		Hexachlorobutadiene	0.400	0.428	-7.0	170	-0.01
11	SURR	2-Methylnaphthalene-d10	0.400	0.359	10.3	146	0.00
12		2-Methylnaphthalene	0.400	0.332	17.0	137	0.00
13	I	Acenaphthene-d10	0.400	0.400	0.0	141	-0.01
14	S	2,4,6-Tribromophenol	0.400	0.311	22.3	121	0.00
15	S	2-Fluorobiphenyl	0.400	0.364	9.0	128	0.00
16		Acenaphthylene	0.400	0.354	11.5	131	0.00
17		Acenaphthene	0.400	0.359	10.3	130	-0.01
18		Fluorene	0.400	0.329	17.8	119	-0.01
19	I	Phenanthrene-d10	0.400	0.400	0.0	111	0.00
20		4,6-Dinitro-2-methylphenol	0.400	0.080	80.0#	25	0.00
21		4-Bromophenyl-phenylether	0.400	0.358	10.5	103	-0.01
22		Hexachlorobenzene	0.400	0.438	-9.5	123	-0.01
23		Atrazine	0.400	0.385	3.8	116	0.00
24		Pentachlorophenol	0.400	0.350	12.5	122	0.00
25		Phenanthrene	0.400	0.351	12.3	101	0.00
26		Anthracene	0.400	0.346	13.5	102	0.00
27	SURR	Fluoranthene-d10	0.400	0.347	13.3	102	0.00
28		Fluoranthene	0.400	0.324	19.0	94	0.00
29	I	Chrysene-d12	0.400	0.400	0.0	93	0.00
30		Pyrene	0.400	0.399	0.3	93	0.00
31	S	Terphenyl-d14	0.400	0.426	-6.5	99	0.00
32		Benzo(a)anthracene	0.400	0.339	15.3	82	0.00
33		Chrysene	0.400	0.389	2.8	91	0.00
34		Bis(2-ethylhexyl)phthalate	0.400	0.430	-7.5	107	0.00
35	I	Perylene-d12	0.400	0.400	0.0	85	0.00
36		Indeno(1,2,3-cd)pyrene	0.400	0.376	6.0	82	0.00
37		Benzo(b)fluoranthene	0.400	0.438	-9.5	104	0.00
38		Benzo(k)fluoranthene	0.400	0.370	7.5	81	0.00
39	C	Benzo(a)pyrene	0.400	0.365	8.8	82	0.00
40		Dibenzo(a,h)anthracene	0.400	0.370	7.5	81	0.00
41		Benzo(g,h,i)perylene	0.400	0.400	0.0	88	0.00

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

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: P5261 SAS No.: P5261 SDG No.: P5261

Instrument ID: BNA_N Calibration Date/Time: 12/20/2024 18:18

Lab File ID: BN035747.D Init. Calib. Date(s): 11/27/2024 11/27/2024

EPA Sample No.: SSTDCCC0.4EC Init. Calib. Time(s): 15:34 19:09

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.626	0.618		-1.3	50.0
Fluoranthene-d10	1.134	1.034		-8.8	50.0
2-Fluorophenol	1.001	0.002		-99.8	50.0
Phenol-d6	1.204	0.025		-97.9	50.0
Nitrobenzene-d5	0.244	0.005		-98.0	50.0
2-Fluorobiphenyl	1.512	0.002		-99.9	50.0
2,4,6-Tribromophenol	0.284	0.001		-99.6	50.0
Terphenyl-d14	0.789	0.003		-99.6	50.0
1,4-Dioxane	0.382	0.448		17.3	50.0

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035747.D
Acq On : 20 Dec 2024 18:18
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Dec 21 01:42:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.272	152	4145	0.400	ng	0.00
7) Naphthalene-d8	10.009	136	11402	0.400	ng	-0.01
13) Acenaphthene-d10	13.924	164	7019	0.400	ng	-0.01
19) Phenanthrene-d10	16.698	188	13951	0.400	ng	# 0.00
29) Chrysene-d12	20.956	240	11878	0.400	ng	0.00
35) Perylene-d12	23.038	264	12200	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.924	112	10	0.001	ng	-0.01
5) Phenol-d6	6.484	99	102	0.008	ng	0.00
8) Nitrobenzene-d5	8.408	82	53m	0.008	ng	0.00
11) 2-Methylnaphthalene-d10	11.616	152	7049	0.395	ng	0.00
14) 2,4,6-Tribromophenol	15.443	330	9	0.002	ng	-0.01
15) 2-Fluorobiphenyl	12.544	172	12	0.000	ng	0.00
27) Fluoranthene-d10	18.757	212	14421	0.365	ng	0.00
31) Terphenyl-d14	19.393	244	35	0.001	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.982	88	1859	0.469	ng	99
3) n-Nitrosodimethylamine	3.234	42	56	0.017	ng	# 1
6) bis(2-Chloroethyl)ether	6.723	93	4332	0.413	ng	98
9) Naphthalene	10.063	128	12423	0.413	ng	99
10) Hexachlorobutadiene	10.351	225	3142	0.453	ng	# 99
12) 2-Methylnaphthalene	11.692	142	8345	0.388	ng	99
16) Acenaphthylene	13.636	152	11936	0.405	ng	100
17) Acenaphthene	13.989	154	8162	0.417	ng	98
18) Fluorene	14.993	166	10307	0.368	ng	99
20) 4,6-Dinitro-2-methylph...	15.122	198	168	0.122	ng	# 3
21) 4-Bromophenyl-phenylether	15.904	248	3188	0.391	ng	# 83
22) Hexachlorobenzene	16.003	284	4408	0.460	ng	97
23) Atrazine	16.202	200	27	0.005	ng	# 1
24) Pentachlorophenol	16.376	266	1329	0.319	ng	86
25) Phenanthrene	16.735	178	15452	0.403	ng	100
26) Anthracene	16.835	178	14156	0.408	ng	99
28) Fluoranthene	18.789	202	18255	0.353	ng	100
30) Pyrene	19.156	202	19874	0.453	ng	100
32) Benzo(a)anthracene	20.938	228	16354	0.394	ng	99
33) Chrysene	20.991	228	18340	0.428	ng	98
34) Bis(2-ethylhexyl)phtha...	20.911	149	7490	0.456	ng	98
36) Indeno(1,2,3-cd)pyrene	25.061	276	21102	0.442	ng	99
37) Benzo(b)fluoranthene	22.427	252	21982	0.493	ng	99
38) Benzo(k)fluoranthene	22.468	252	19139m	0.436	ng	
39) Benzo(a)pyrene	22.947	252	15636	0.425	ng	98
40) Dibenzo(a,h)anthracene	25.082	278	15847	0.421	ng	98
41) Benzo(g,h,i)perylene	25.675	276	16995	0.432	ng	98

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

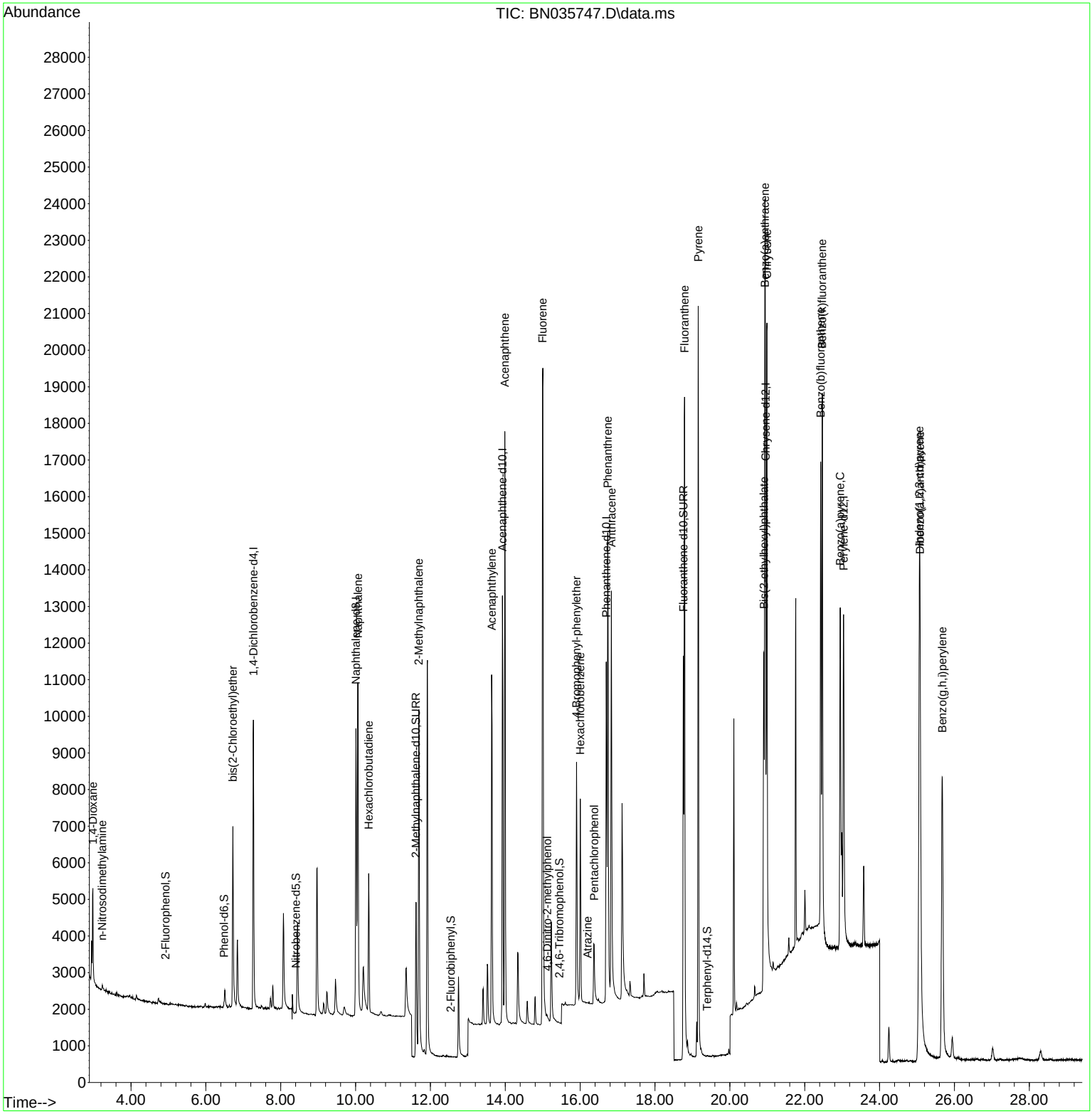
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035747.D
Acq On : 20 Dec 2024 18:18
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 38 Sample Multiplier: 1

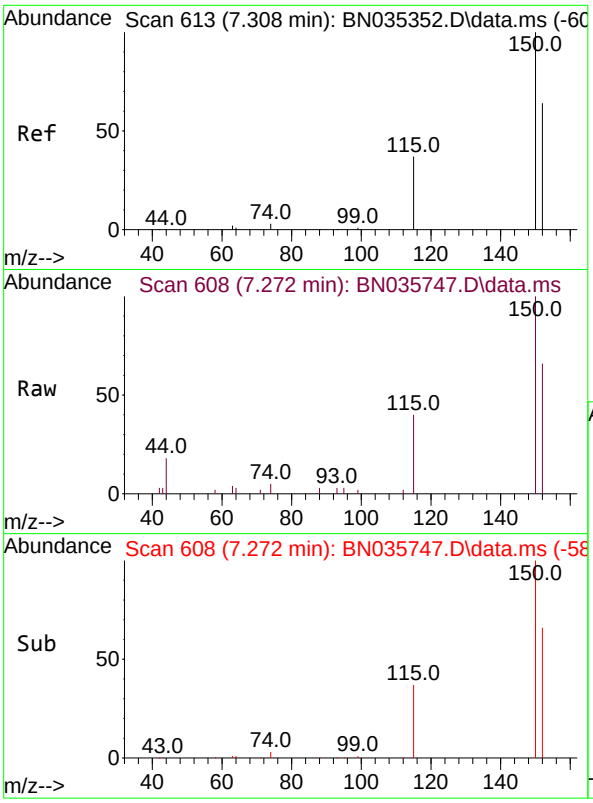
Quant Time: Dec 21 01:42:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

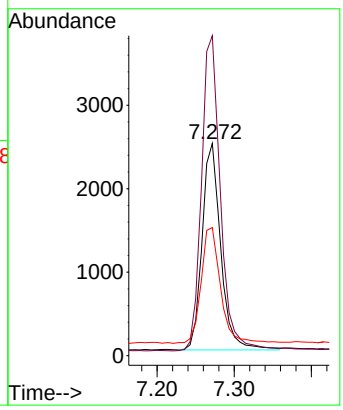




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.272 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Tgt Ion:152 Resp: 414

Ion	Ratio	Lower	Upper
152	100		
150	150.8	124.0	186.0
115	60.4	49.6	74.4



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

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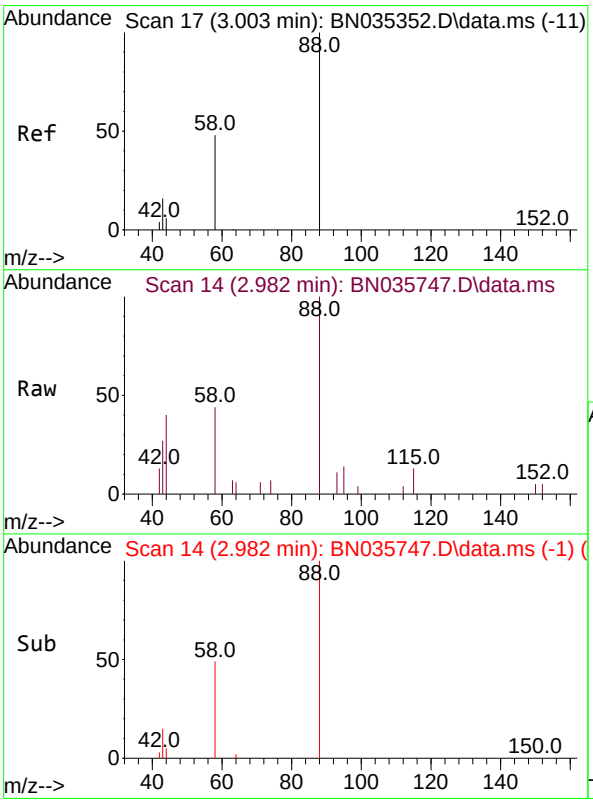
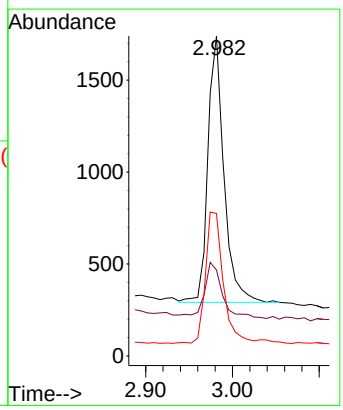
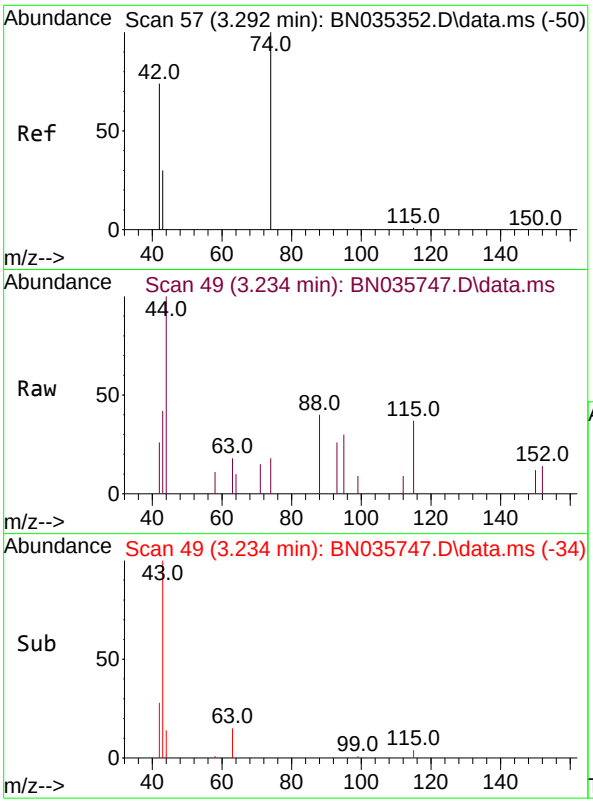


#2
1,4-Dioxane
Concen: 0.469 ng
RT: 2.982 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Tgt Ion: 88 Resp: 1859

Ion	Ratio	Lower	Upper
88	100		
43	23.8	17.2	25.8
58	55.6	44.5	66.7

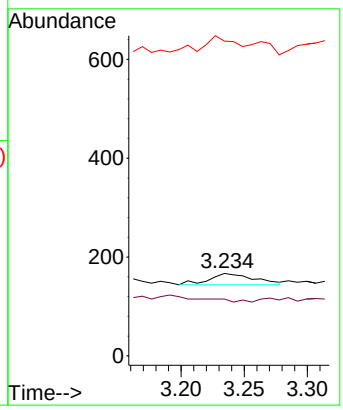




#3
n-Nitrosodimethylamine
Concen: 0.017 ng
RT: 3.234 min Scan# 4
Delta R.T. -0.044 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Tgt Ion: 42 Resp: 5

Ion	Ratio	Lower	Upper
42	100		
74	0.0	124.9	187.3#
44	94.6	2.2	3.4#



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

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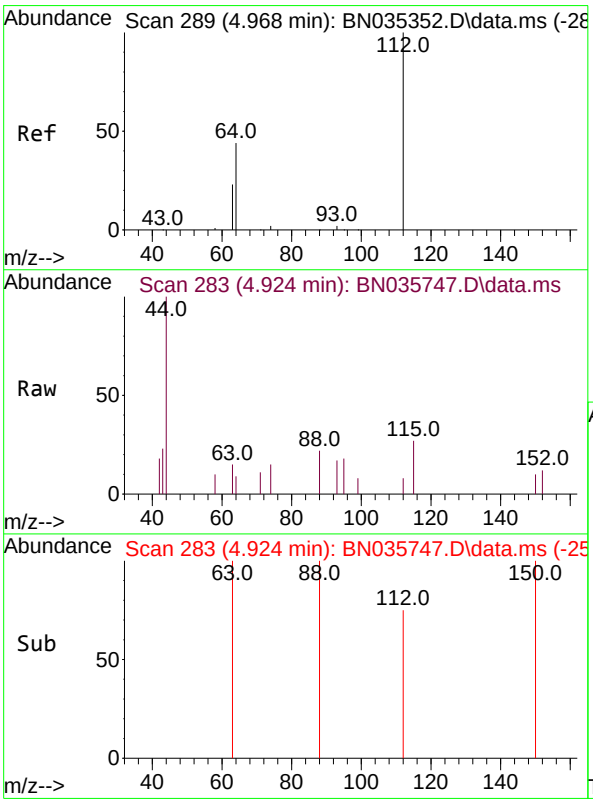
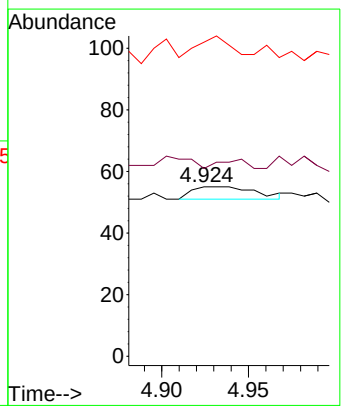
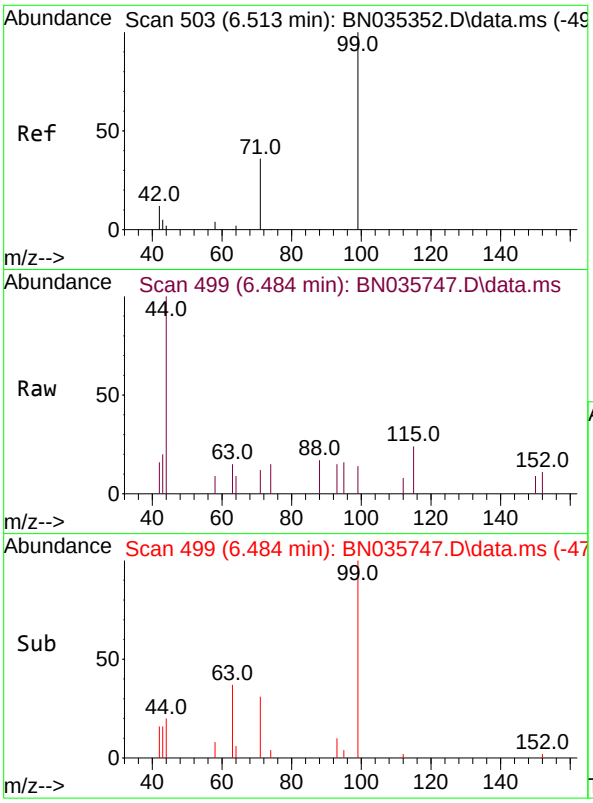


#4
2-Fluorophenol
Concen: 0.001 ng
RT: 4.924 min Scan# 283
Delta R.T. -0.015 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Tgt Ion:112 Resp: 10

Ion	Ratio	Lower	Upper
112	100		
64	0.0	39.8	59.8#
63	140.0	21.0	31.6#

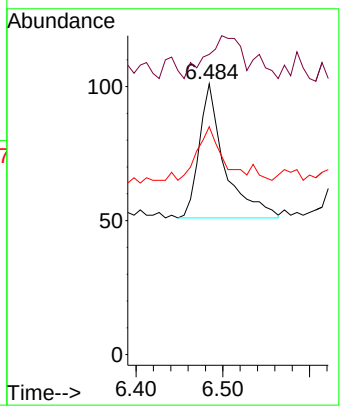




#5
Phenol-d6
Concen: 0.008 ng
RT: 6.484 min Scan# 4
Delta R.T. -0.007 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Tgt Ion: 99 Resp: 10

Ion	Ratio	Lower	Upper
99	100		
42	42.2	11.4	17.2
71	39.2	29.3	43.9



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

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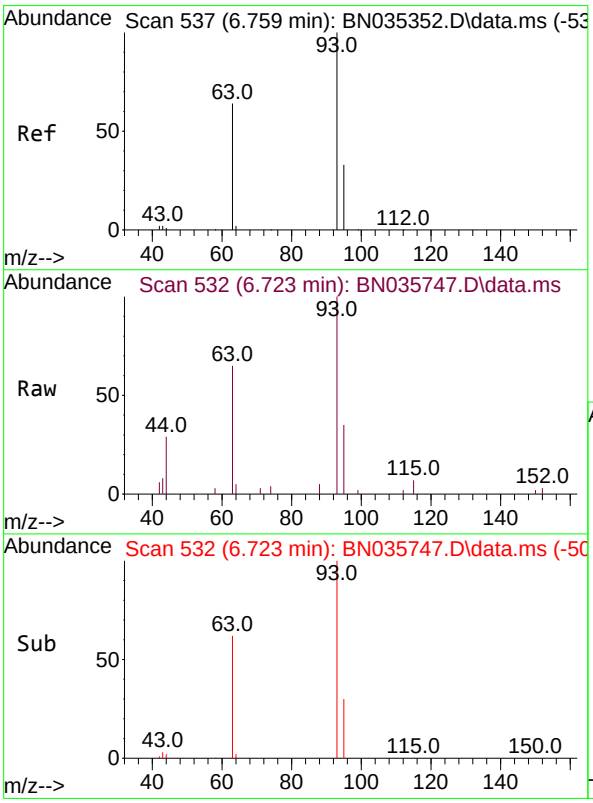
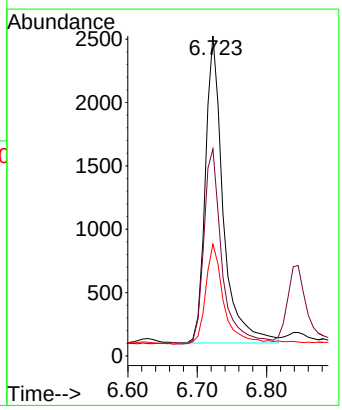
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

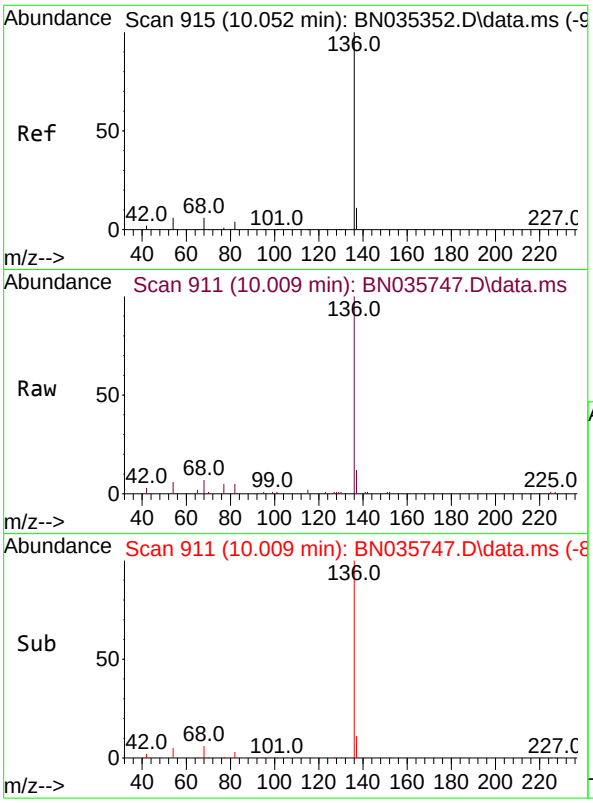


#6
bis(2-Chloroethyl)ether
Concen: 0.413 ng
RT: 6.723 min Scan# 532
Delta R.T. -0.007 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Tgt Ion: 93 Resp: 4332

Ion	Ratio	Lower	Upper
93	100		
63	64.4	50.4	75.6
95	33.6	25.7	38.5

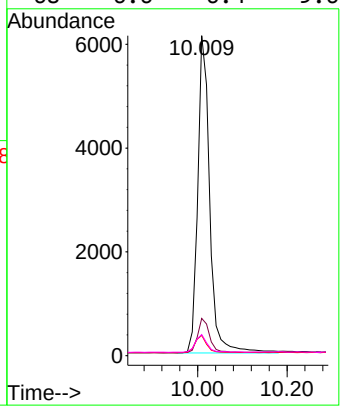




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.009 min Scan# 9
Delta R.T. -0.011 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Tgt Ion:136 Resp: 1140

Ion	Ratio	Lower	Upper
136	100		
137	11.7	10.2	15.2
54	6.3	6.1	9.1
68	6.6	6.4	9.6



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

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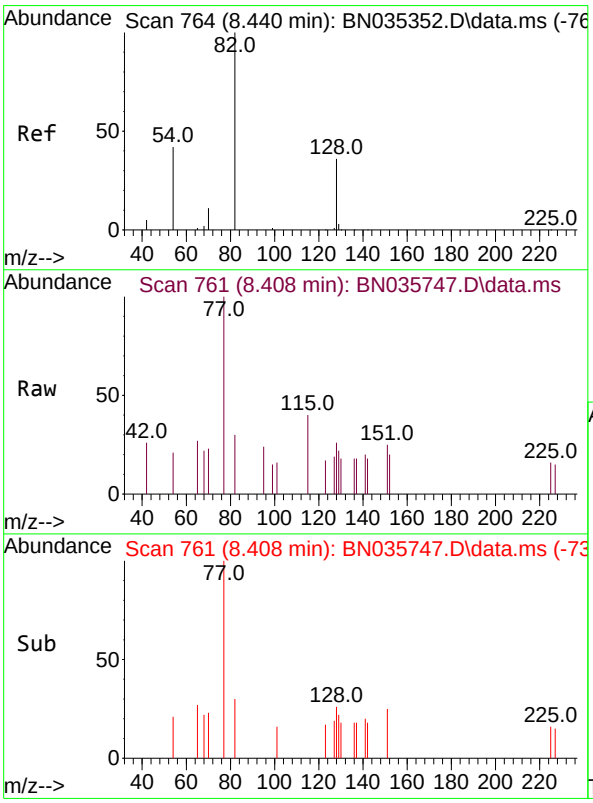
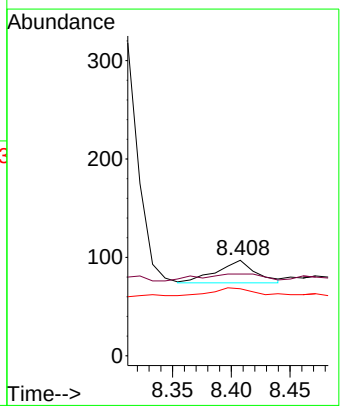
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

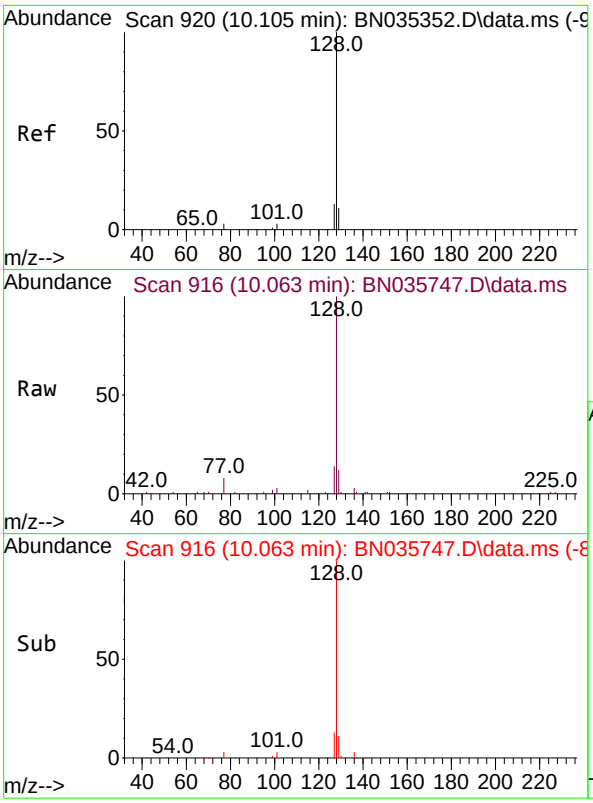


#8
Nitrobenzene-d5
Concen: 0.008 ng m
RT: 8.408 min Scan# 761
Delta R.T. -0.000 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Tgt Ion: 82 Resp: 53

Ion	Ratio	Lower	Upper
82	100		
128	85.6	33.4	50.0#
54	70.1	36.7	55.1#

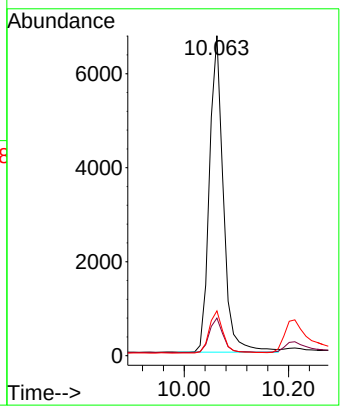




#9
Naphthalene
Concen: 0.413 ng
RT: 10.063 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Tgt Ion:128 Resp: 1242

Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.8	14.6
127	14.0	11.4	17.2



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations
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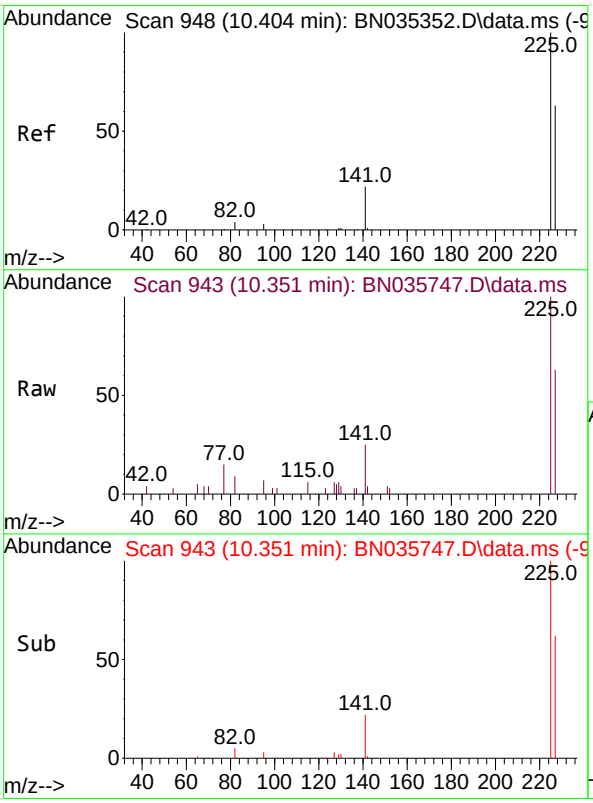
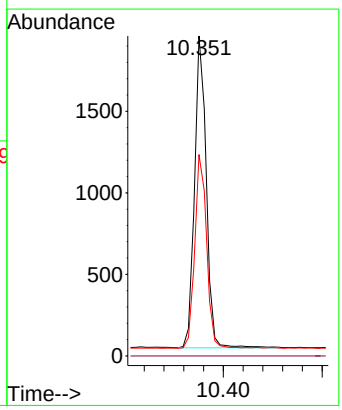
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

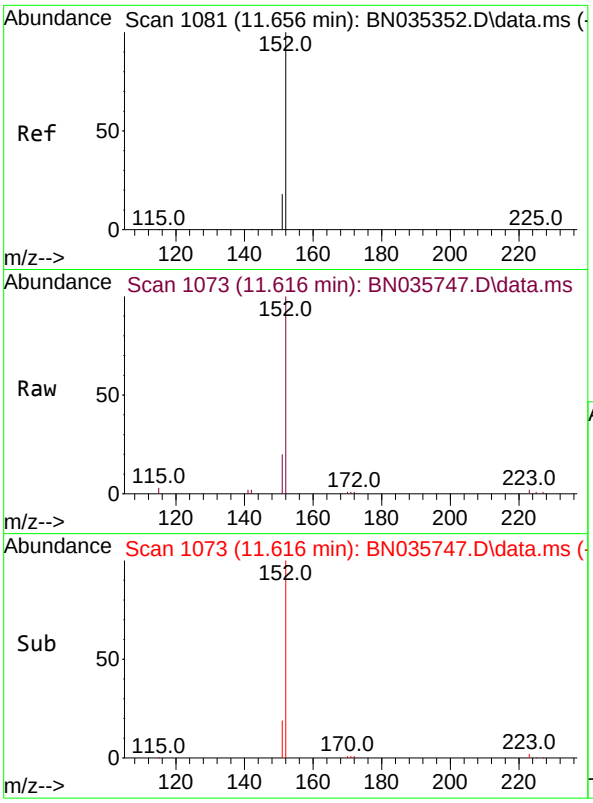


#10
Hexachlorobutadiene
Concen: 0.453 ng
RT: 10.351 min Scan# 943
Delta R.T. -0.011 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Tgt Ion:225 Resp: 3142

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.3	51.3	76.9

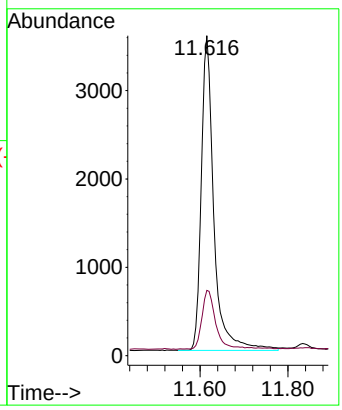




#11
2-Methylnaphthalene-d10
Concen: 0.395 ng
RT: 11.616 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Tgt Ion:152 Resp: 704

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.6	25.0



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations
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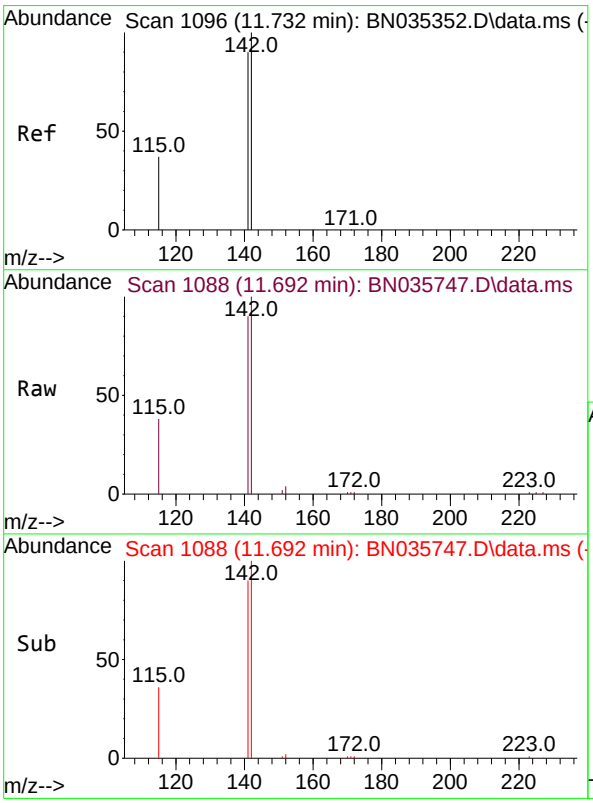
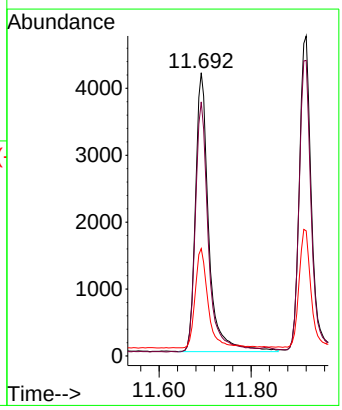
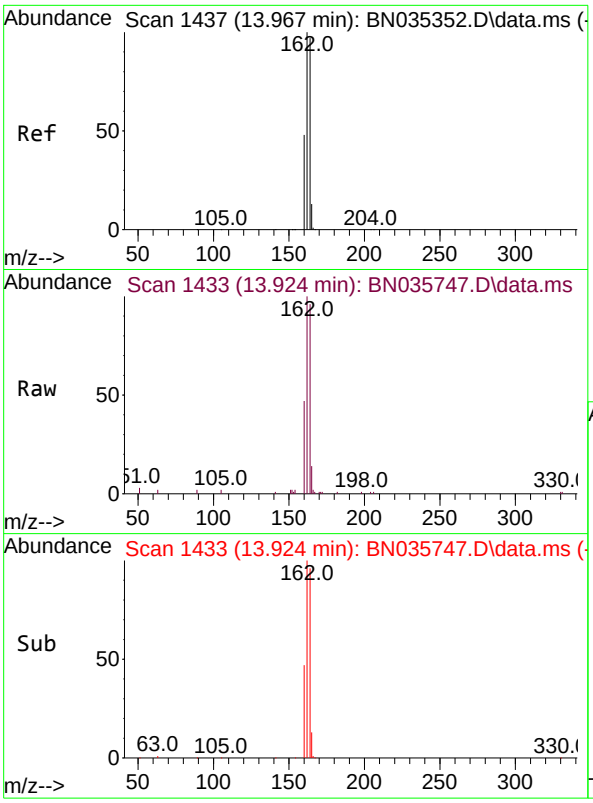


#12
2-Methylnaphthalene
Concen: 0.388 ng
RT: 11.692 min Scan# 1088
Delta R.T. -0.005 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Tgt Ion:142 Resp: 8345

Ion	Ratio	Lower	Upper
142	100		
141	89.7	72.2	108.4
115	37.9	31.4	47.0





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.924 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Tgt Ion:164 Resp: 701

Ion	Ratio	Lower	Upper
164	100		
162	104.5	82.2	123.2
160	49.5	40.1	60.1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations
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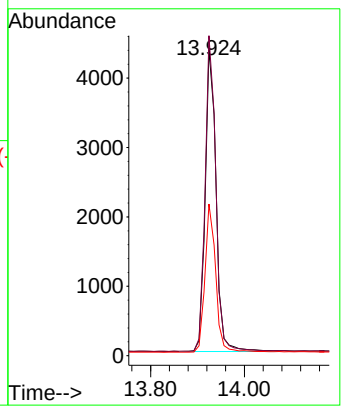
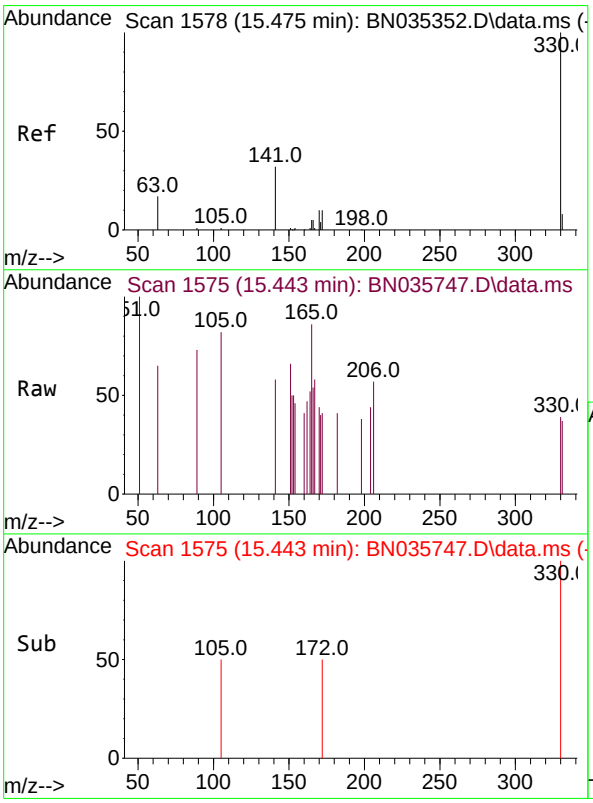
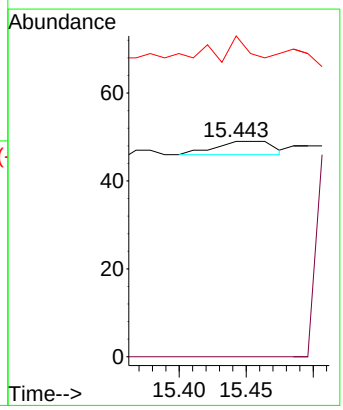


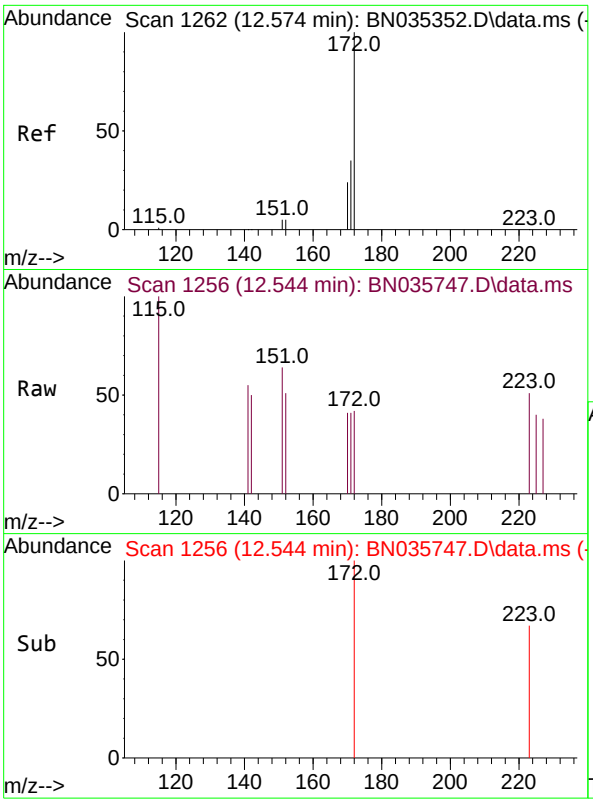


#14
2,4,6-Tribromophenol
Concen: 0.002 ng
RT: 15.443 min Scan# 1575
Delta R.T. -0.011 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Tgt Ion:330 Resp: 9

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	77.8	26.6	40.0#

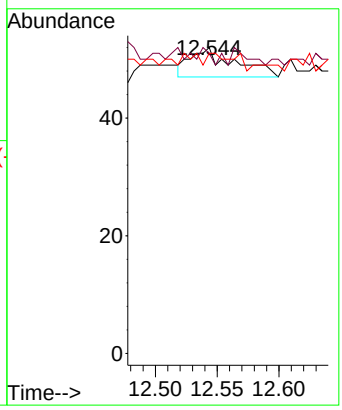




#15
2-Fluorobiphenyl
Concen: 0.000 ng
RT: 12.544 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Tgt Ion:172 Resp: 1

Ion	Ratio	Lower	Upper
172	100		
171	98.1	29.0	43.4#
170	98.1	19.8	29.8#



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

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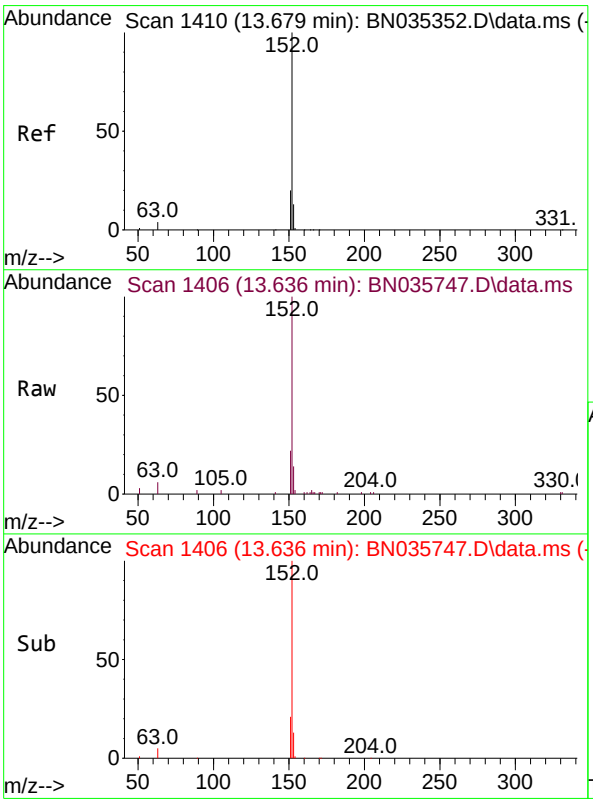
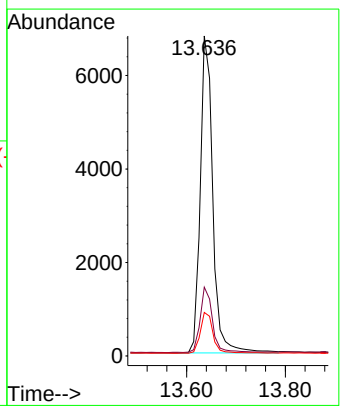
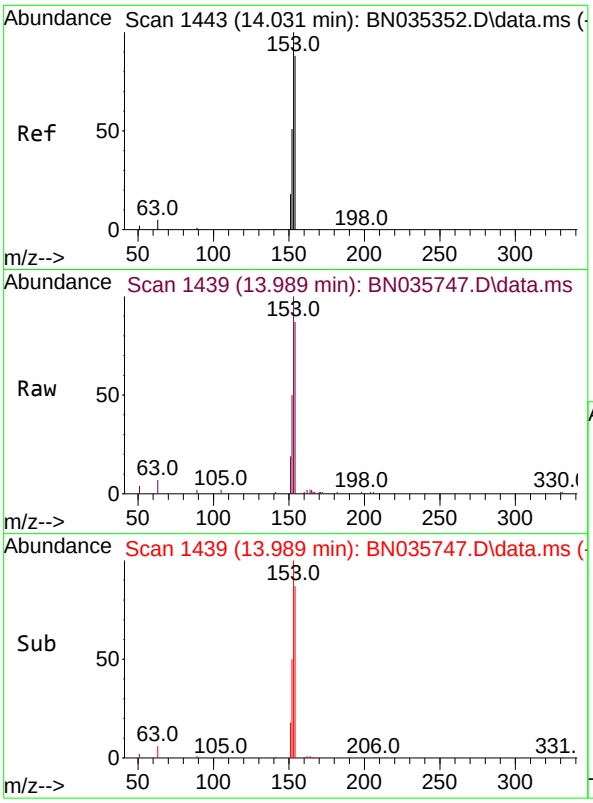


#16
Acenaphthylene
Concen: 0.405 ng
RT: 13.636 min Scan# 1406
Delta R.T. -0.011 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Tgt Ion:152 Resp: 11936

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.2
153	13.1	10.4	15.6

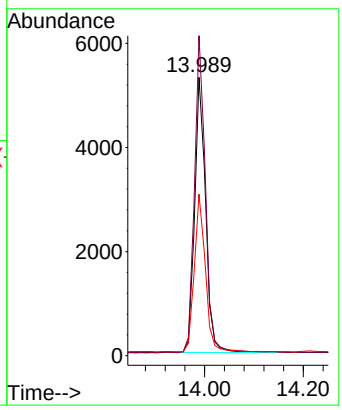




#17
Acenaphthene
Concen: 0.417 ng
RT: 13.989 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Tgt Ion:154 Resp: 816

Ion	Ratio	Lower	Upper
154	100		
153	115.3	92.6	139.0
152	57.6	49.0	73.6



Instrument :
BNA_N
ClientSampleId :
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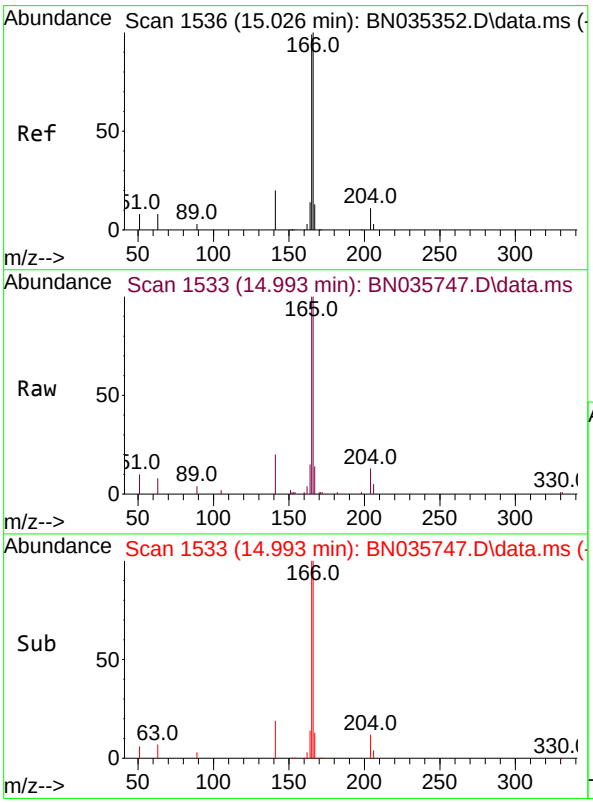
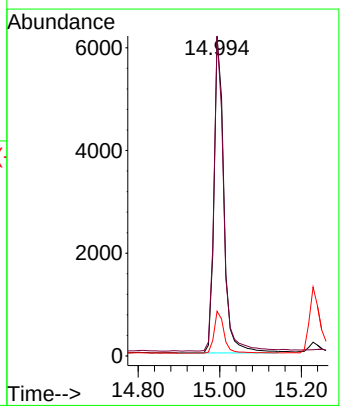
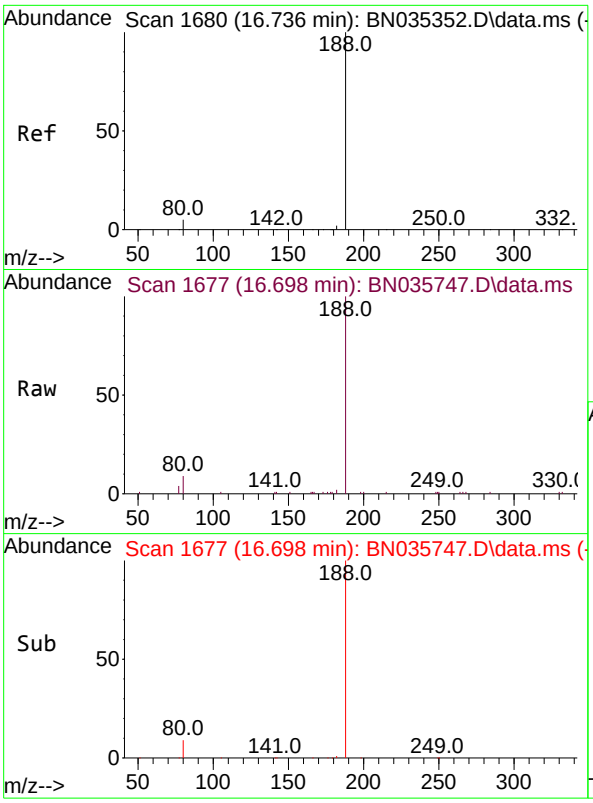


#18
Fluorene
Concen: 0.368 ng
RT: 14.993 min Scan# 1533
Delta R.T. -0.011 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Tgt Ion:166 Resp: 10307

Ion	Ratio	Lower	Upper
166	100		
165	98.2	79.7	119.5
167	13.4	10.8	16.2

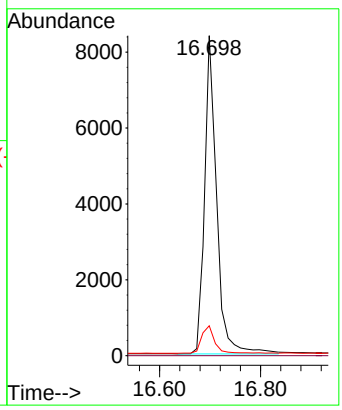




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.698 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Tgt Ion:188 Resp: 1395

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.4	4.6	6.8#



Instrument :
BNA_N
ClientSampleId :
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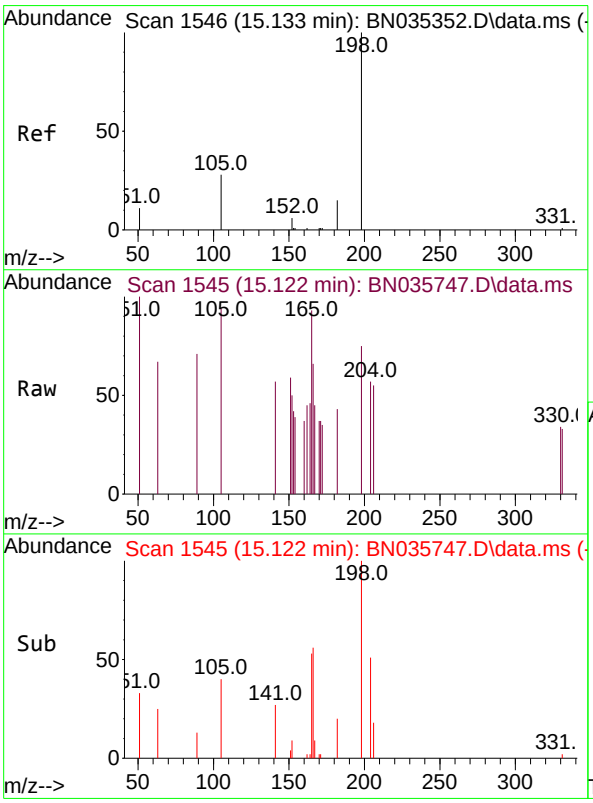
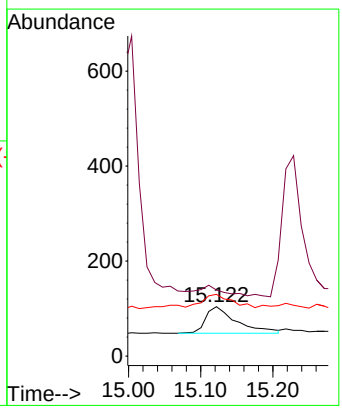
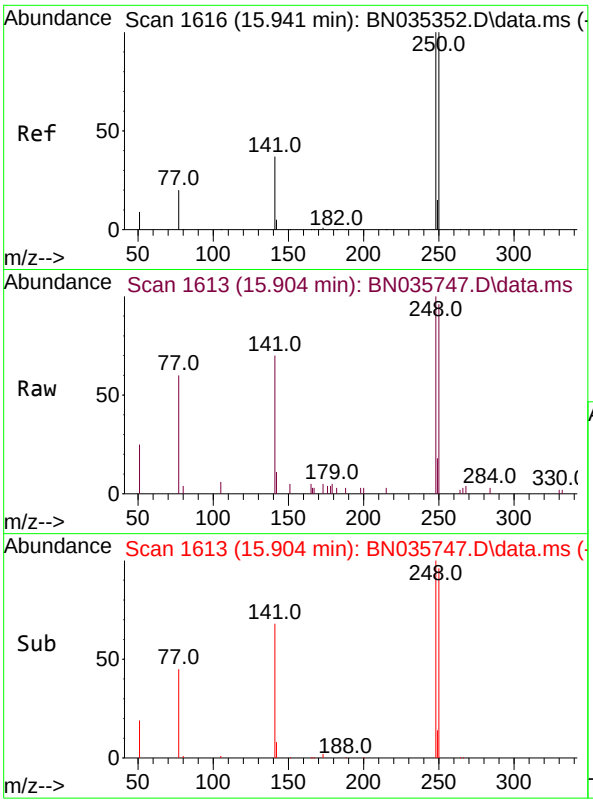


#20
4,6-Dinitro-2-methylphenol
Concen: 0.122 ng
RT: 15.122 min Scan# 1545
Delta R.T. -0.000 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Tgt Ion:198 Resp: 168

Ion	Ratio	Lower	Upper
198	100		
51	133.7	46.5	69.7#
105	125.0	45.3	67.9#

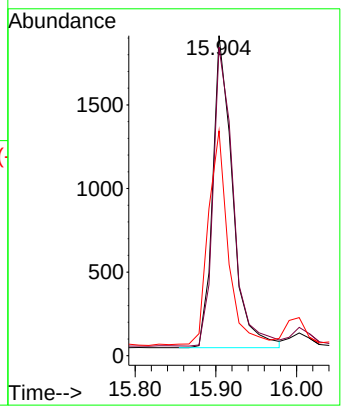




#21
4-Bromophenyl-phenylether
Concen: 0.391 ng
RT: 15.904 min Scan# 1(
Delta R.T. -0.013 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Tgt Ion:248 Resp: 318

Ion	Ratio	Lower	Upper
248	100		
250	96.4	80.6	120.8
141	70.3	31.5	47.3



Instrument :
BNA_N
ClientSampleId :
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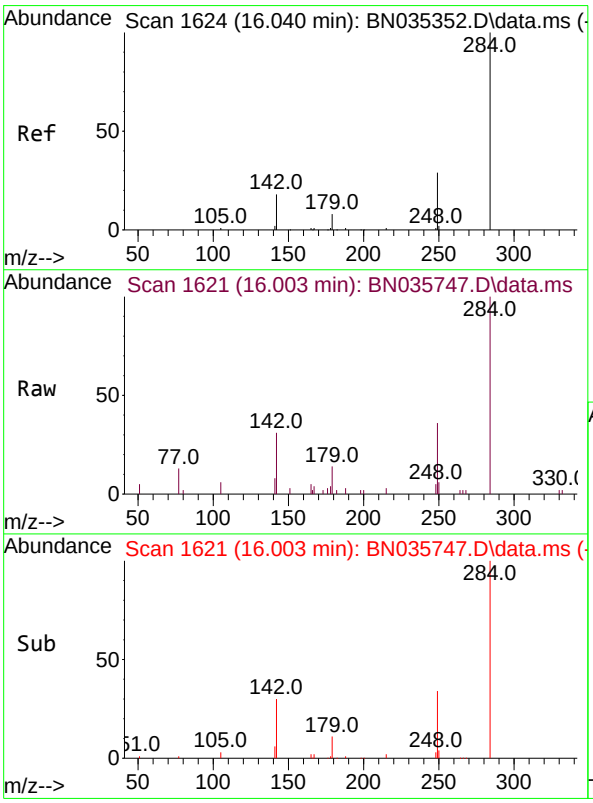
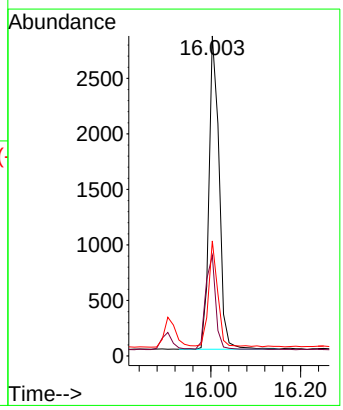
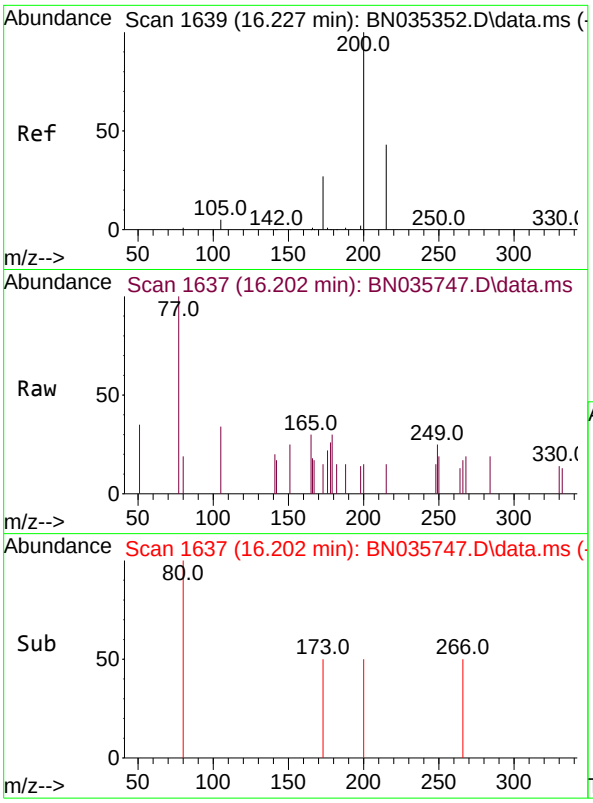


#22
Hexachlorobenzene
Concen: 0.460 ng
RT: 16.003 min Scan# 1621
Delta R.T. -0.013 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Tgt Ion:284 Resp: 4408

Ion	Ratio	Lower	Upper
284	100		
142	29.9	26.7	40.1
249	30.7	24.6	36.8

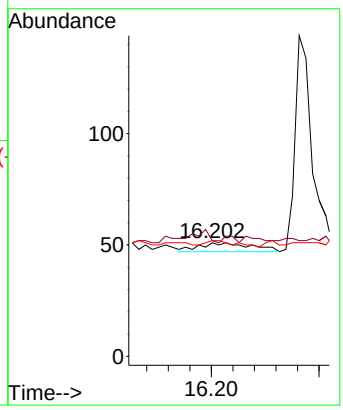




#23
Atrazine
Concen: 0.005 ng
RT: 16.202 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Tgt Ion:200 Resp: 2

Ion	Ratio	Lower	Upper
200	100		
173	102.0	24.1	36.1#
215	102.0	36.9	55.3#



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

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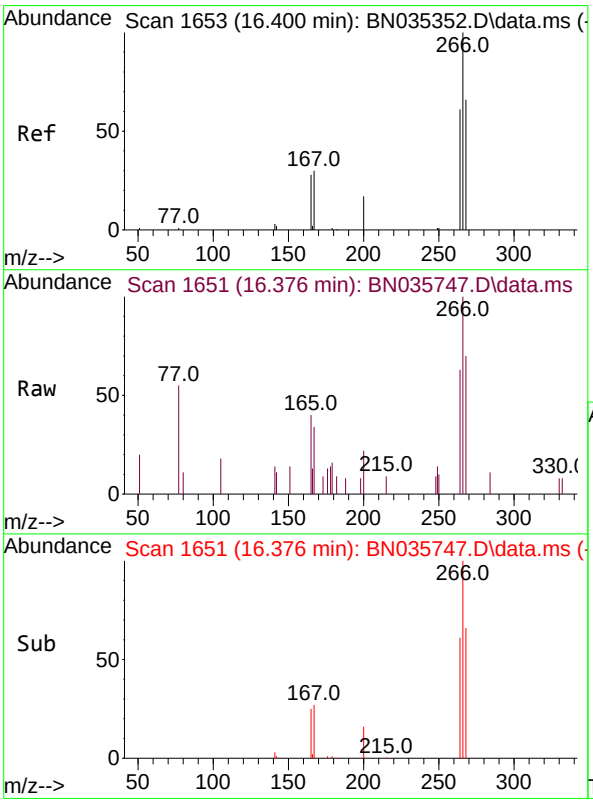
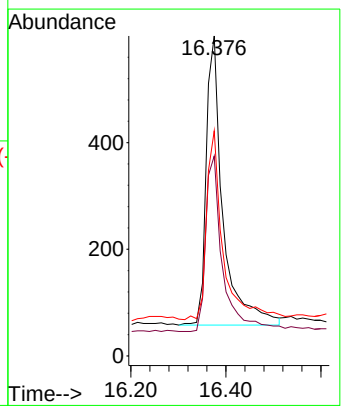
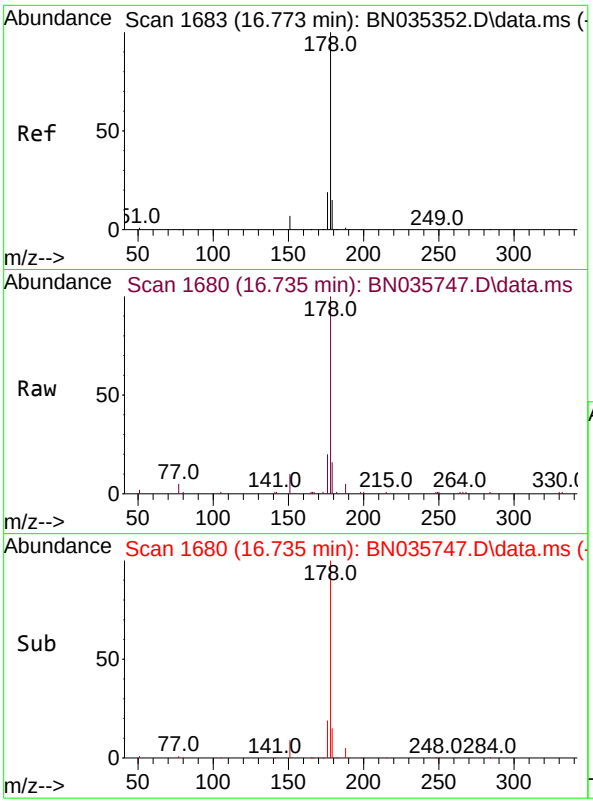


#24
Pentachlorophenol
Concen: 0.319 ng
RT: 16.376 min Scan# 1651
Delta R.T. -0.000 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Tgt Ion:266 Resp: 1329

Ion	Ratio	Lower	Upper
266	100		
264	61.8	42.3	63.5
268	64.7	43.3	64.9

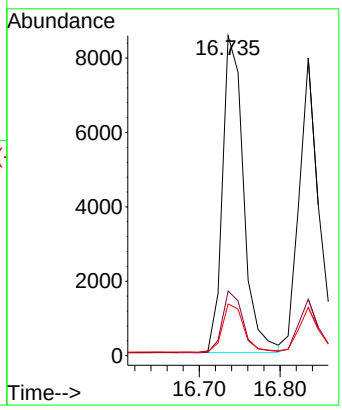




#25
Phenanthrene
Concen: 0.403 ng
RT: 16.735 min Scan# 1(
Delta R.T. -0.013 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Tgt Ion:178 Resp: 1545

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	15.4	12.3	18.5



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

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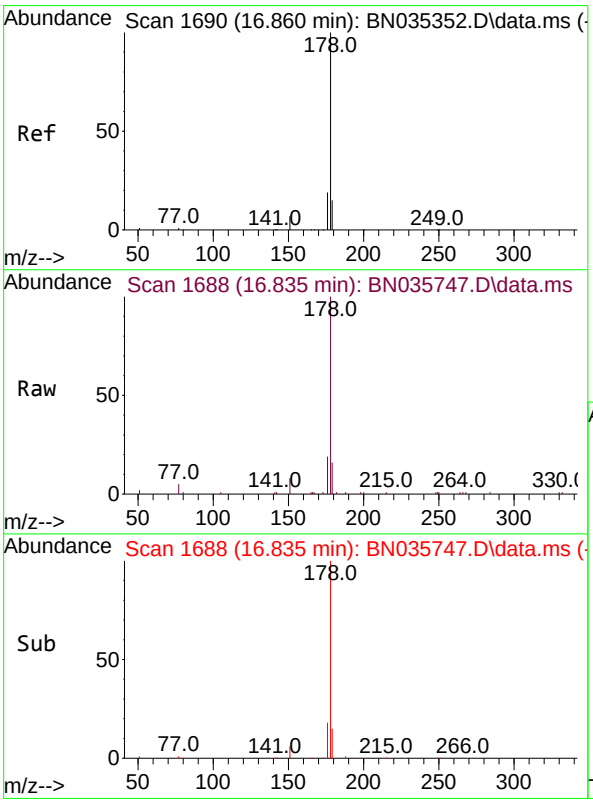
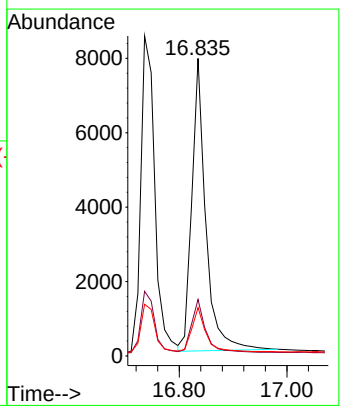
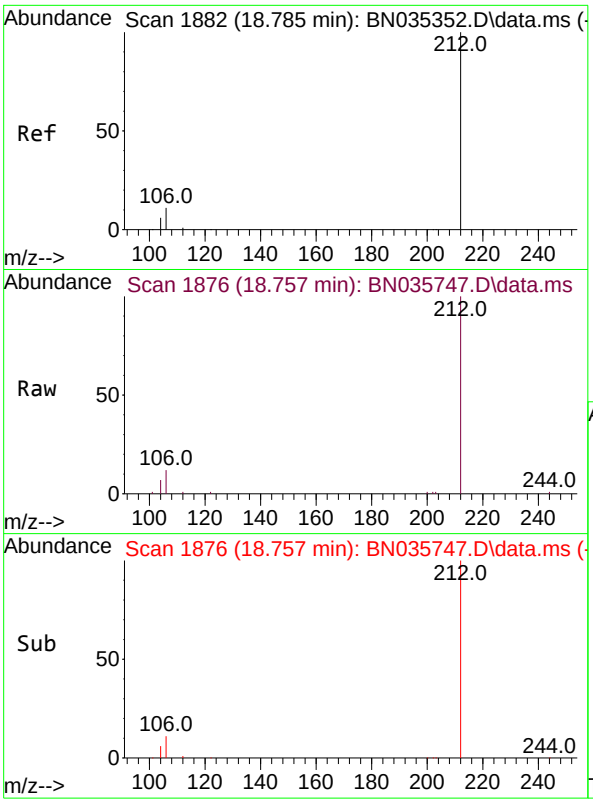


#26
Anthracene
Concen: 0.408 ng
RT: 16.835 min Scan# 1688
Delta R.T. -0.000 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Tgt Ion:178 Resp: 14156

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.0	22.6
179	15.5	12.6	18.8

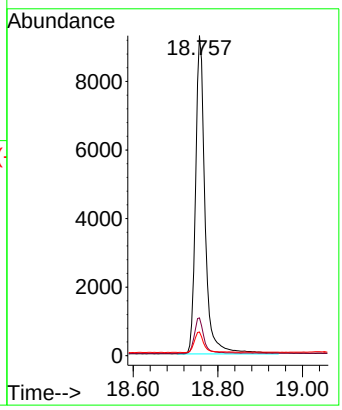




#27
Fluoranthene-d10
Concen: 0.365 ng
RT: 18.757 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Tgt Ion:212 Resp: 1442

Ion	Ratio	Lower	Upper
212	100		
106	11.1	9.2	13.8
104	6.3	5.3	7.9



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

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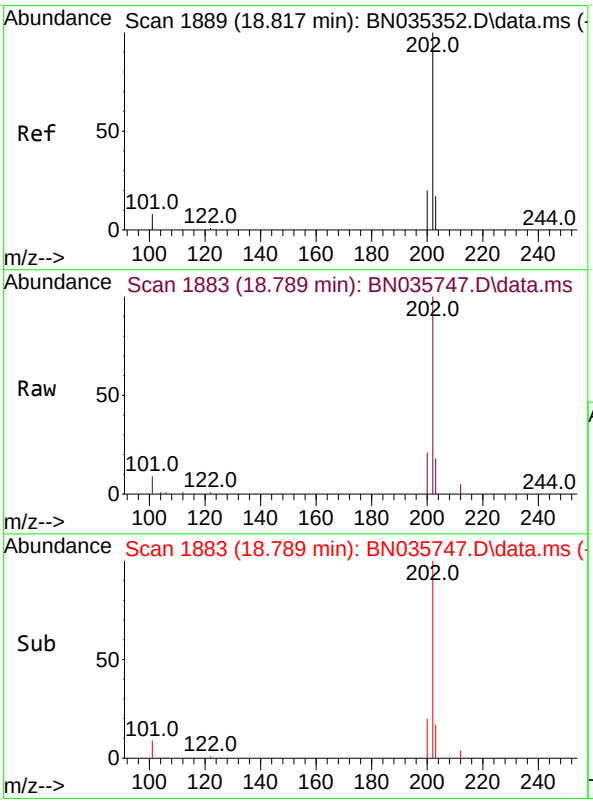
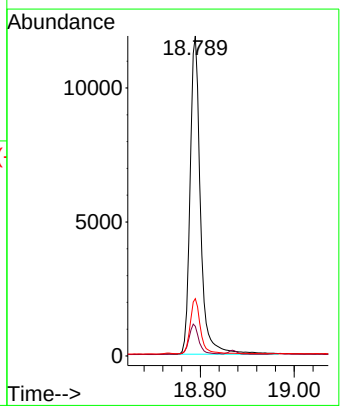
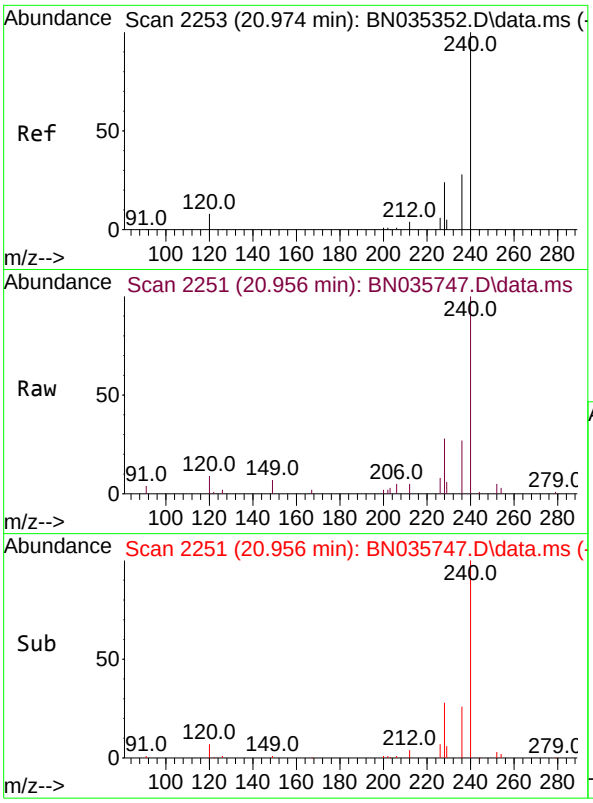


#28
Fluoranthene
Concen: 0.353 ng
RT: 18.789 min Scan# 1883
Delta R.T. -0.000 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Tgt Ion:202 Resp: 18255

Ion	Ratio	Lower	Upper
202	100		
101	9.4	7.4	11.0
203	17.0	13.7	20.5

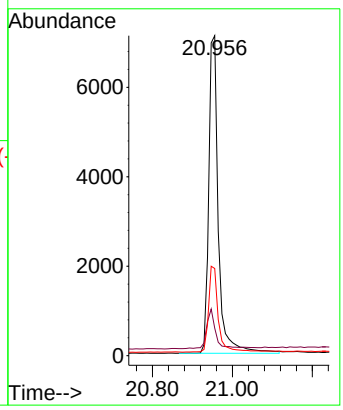




#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.956 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Tgt Ion:240 Resp: 1187

Ion	Ratio	Lower	Upper
240	100		
120	8.6	7.9	11.9
236	27.2	22.9	34.3



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

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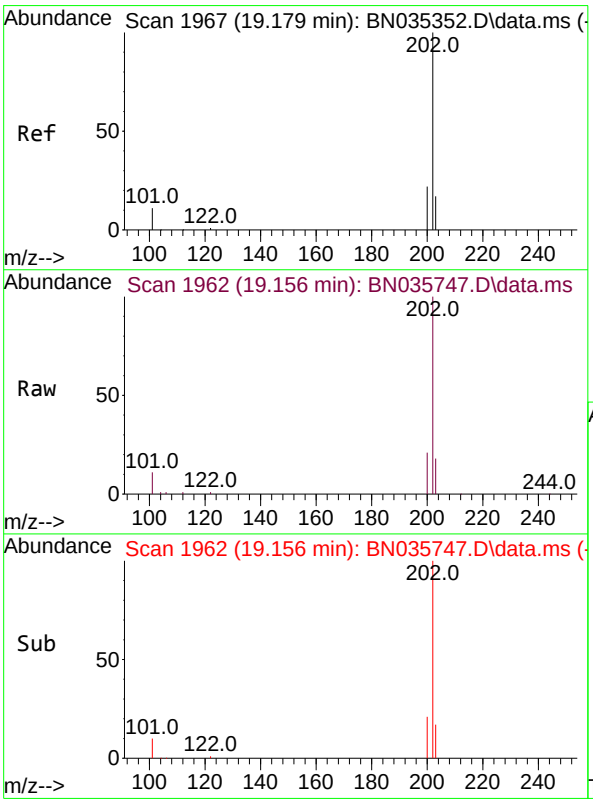
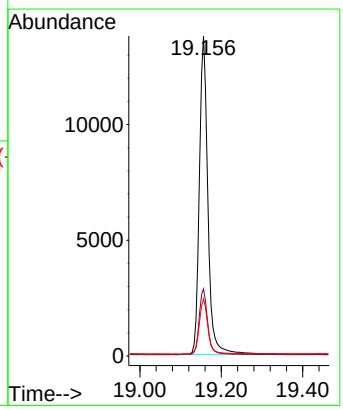
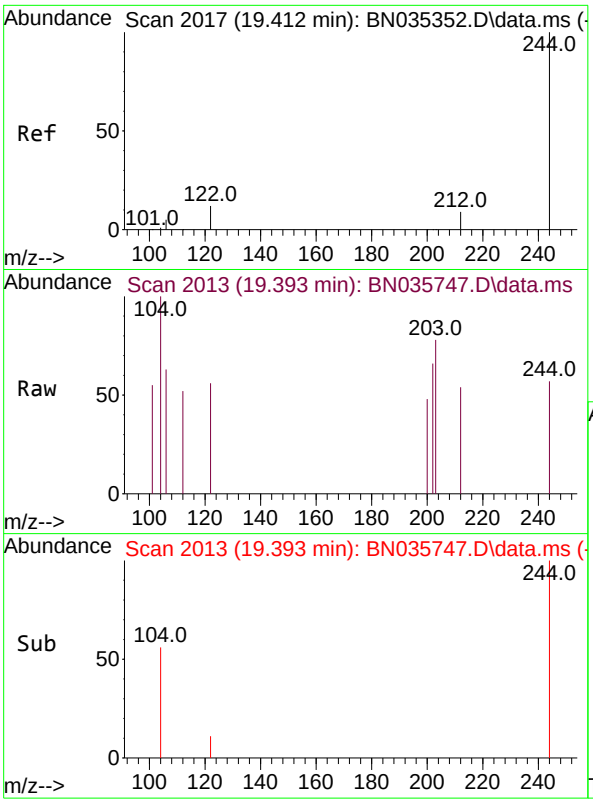


#30
Pyrene
Concen: 0.453 ng
RT: 19.156 min Scan# 1962
Delta R.T. -0.005 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Tgt Ion:202 Resp: 19874

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.0	25.4
203	17.9	14.3	21.5

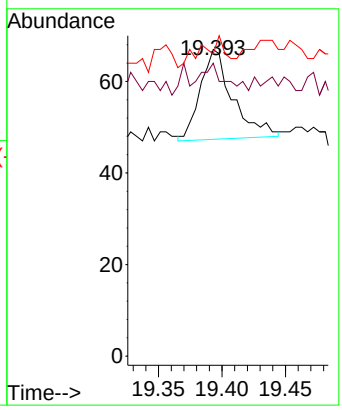




#31
Terphenyl-d14
Concen: 0.001 ng
RT: 19.393 min Scan# 2
Delta R.T. 0.004 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Tgt Ion:244 Resp: 3

Ion	Ratio	Lower	Upper
244	100		
212	95.5	8.1	12.1#
122	98.5	10.3	15.5#



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

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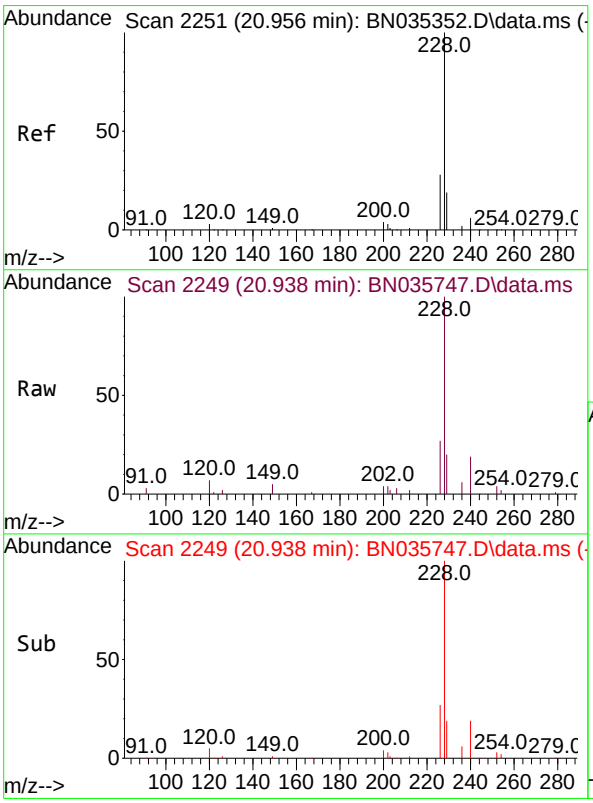
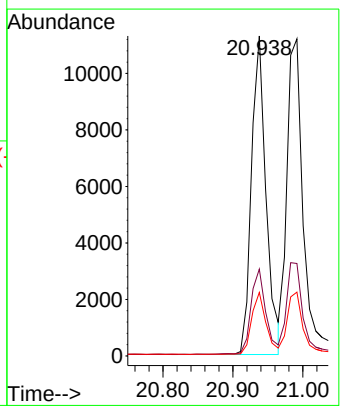
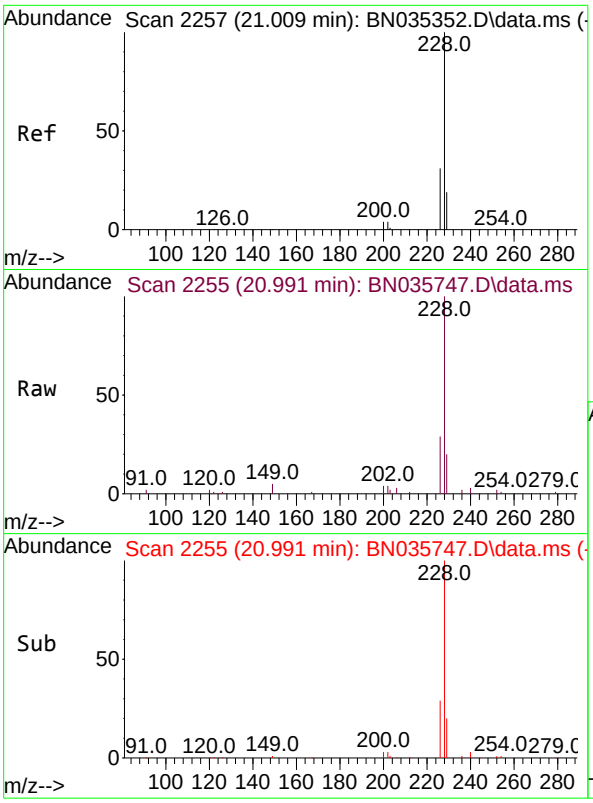


#32
Benzo(a)anthracene
Concen: 0.394 ng
RT: 20.938 min Scan# 2249
Delta R.T. -0.000 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Tgt Ion:228 Resp: 16354

Ion	Ratio	Lower	Upper
228	100		
226	27.2	22.5	33.7
229	19.9	15.8	23.8

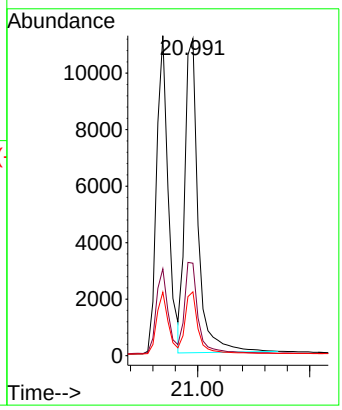




#33
Chrysene
Concen: 0.428 ng
RT: 20.991 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Tgt Ion:228 Resp: 1834

Ion	Ratio	Lower	Upper
228	100		
226	29.2	24.6	37.0
229	20.1	15.9	23.9



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

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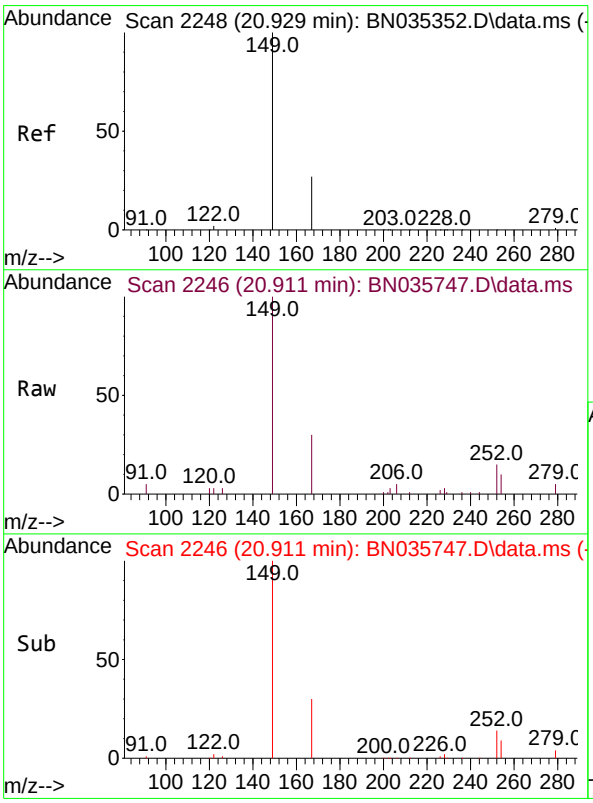
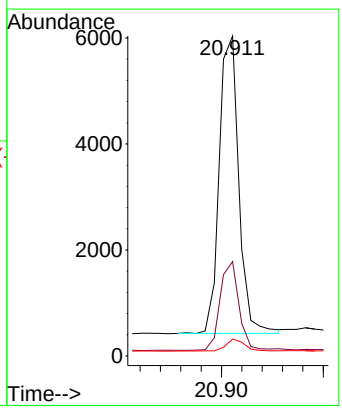
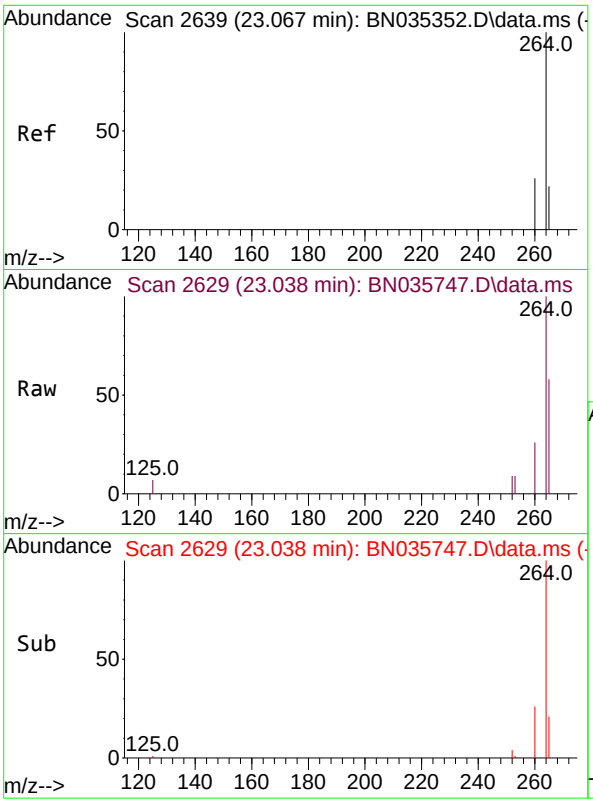


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.456 ng
RT: 20.911 min Scan# 2246
Delta R.T. -0.000 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Tgt Ion:149 Resp: 7490

Ion	Ratio	Lower	Upper
149	100		
167	29.2	22.2	33.4
279	3.7	2.7	4.1





#35
Perylene-d12
Concen: 0.400 ng
RT: 23.038 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Tgt Ion:264 Resp: 1220

Ion	Ratio	Lower	Upper
264	100		
260	26.2	21.4	32.2
265	58.1	40.2	60.4

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

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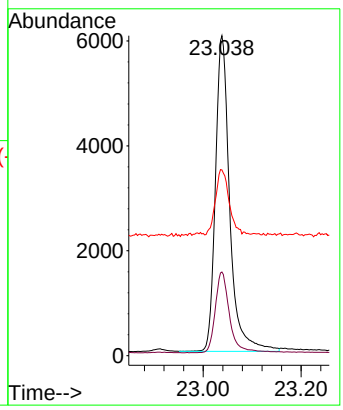
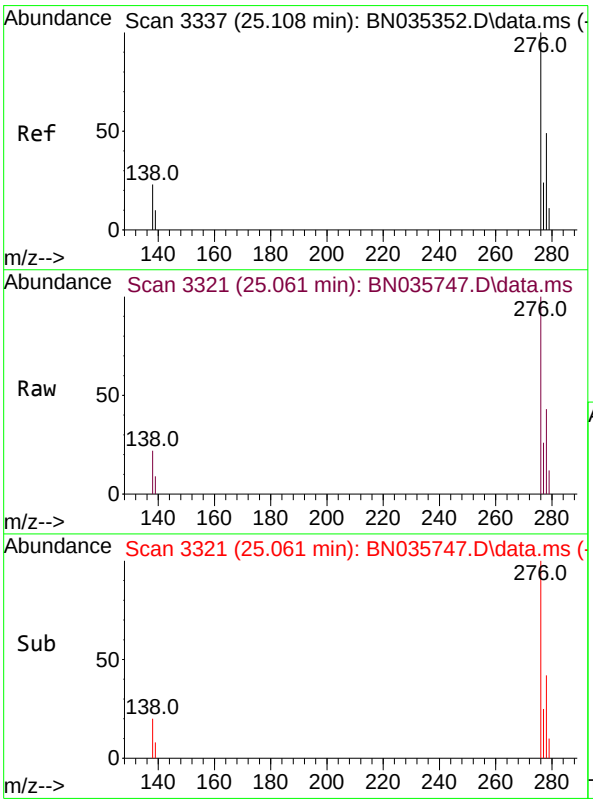
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

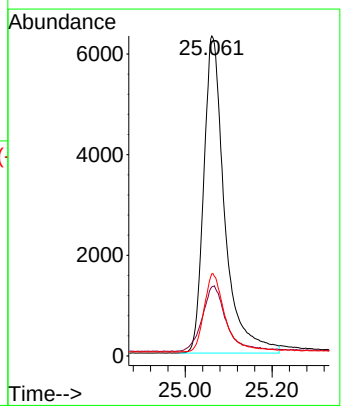


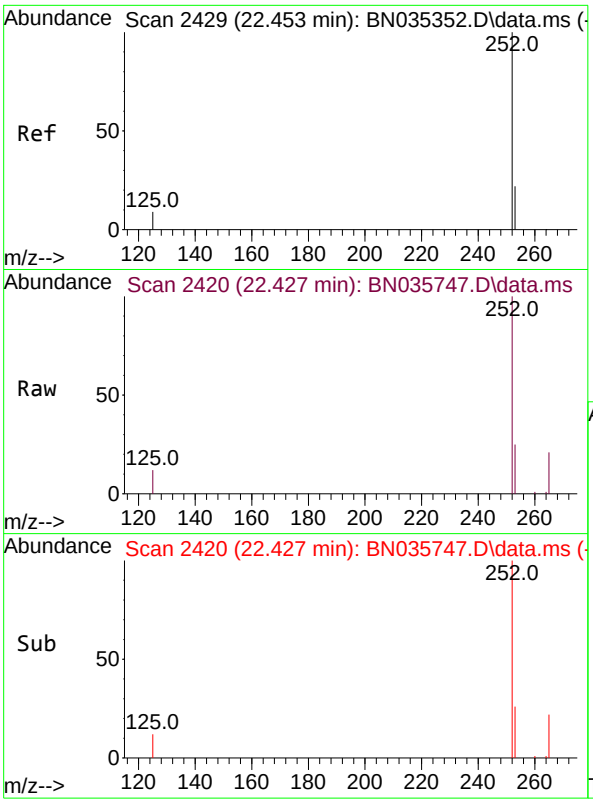


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.442 ng
RT: 25.061 min Scan# 3321
Delta R.T. -0.006 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Tgt Ion:276 Resp: 21102

Ion	Ratio	Lower	Upper
276	100		
138	23.7	19.4	29.0
277	25.2	19.8	29.6

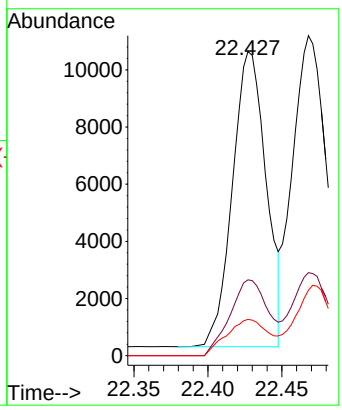




#37
Benzo(b)fluoranthene
Concen: 0.493 ng
RT: 22.427 min Scan# 24
Delta R.T. -0.003 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Tgt Ion:252 Resp: 2198

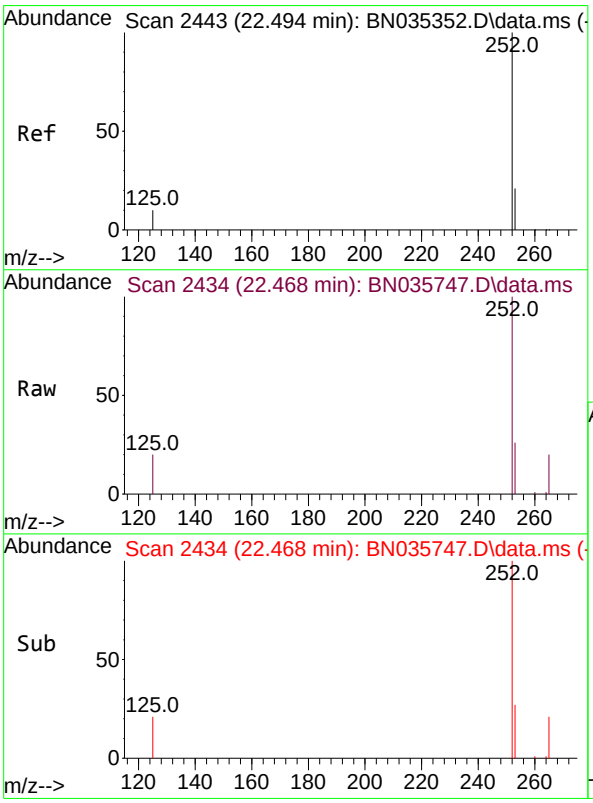
Ion	Ratio	Lower	Upper
252	100		
253	25.0	19.6	29.4
125	12.0	9.6	14.4



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations
APPROVED

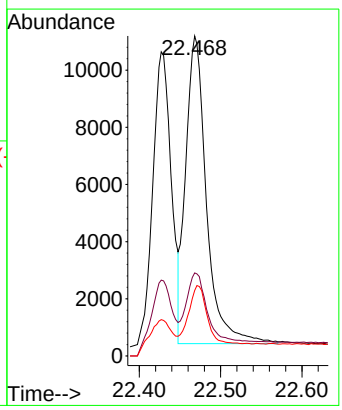
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

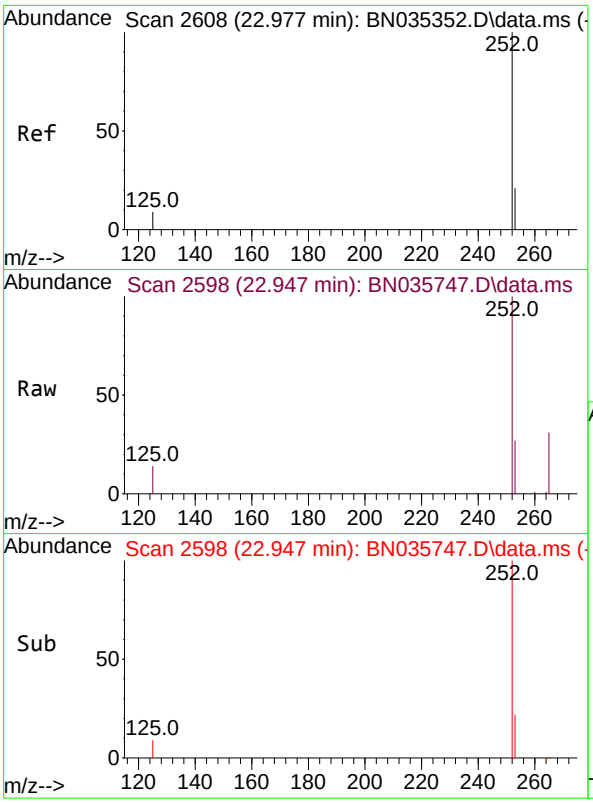


#38
Benzo(k)fluoranthene
Concen: 0.436 ng m
RT: 22.468 min Scan# 2434
Delta R.T. -0.003 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Tgt Ion:252 Resp: 19139

Ion	Ratio	Lower	Upper
252	100		
253	26.0	19.5	29.3
125	20.5	10.2	15.4#

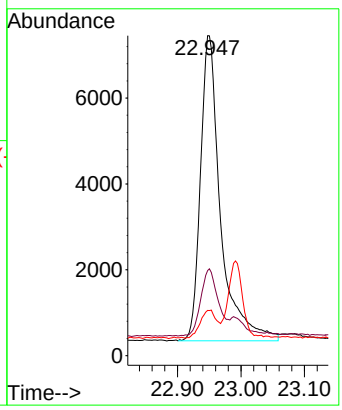




#39
Benzo(a)pyrene
Concen: 0.425 ng
RT: 22.947 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Tgt Ion:252 Resp: 1563

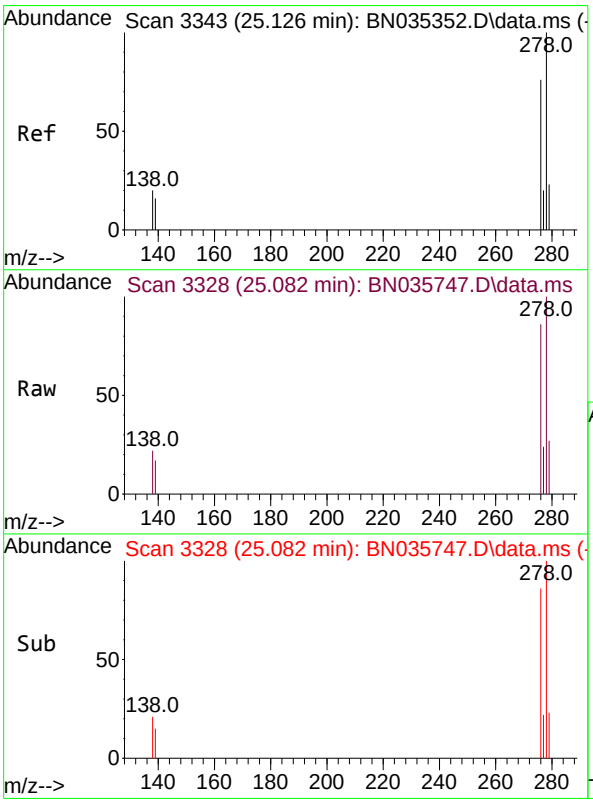
Ion	Ratio	Lower	Upper
252	100		
253	26.6	20.2	30.4
125	14.2	10.9	16.3



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations
APPROVED

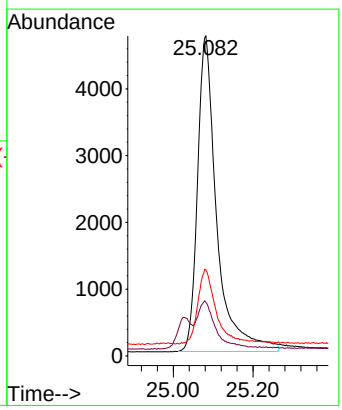
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

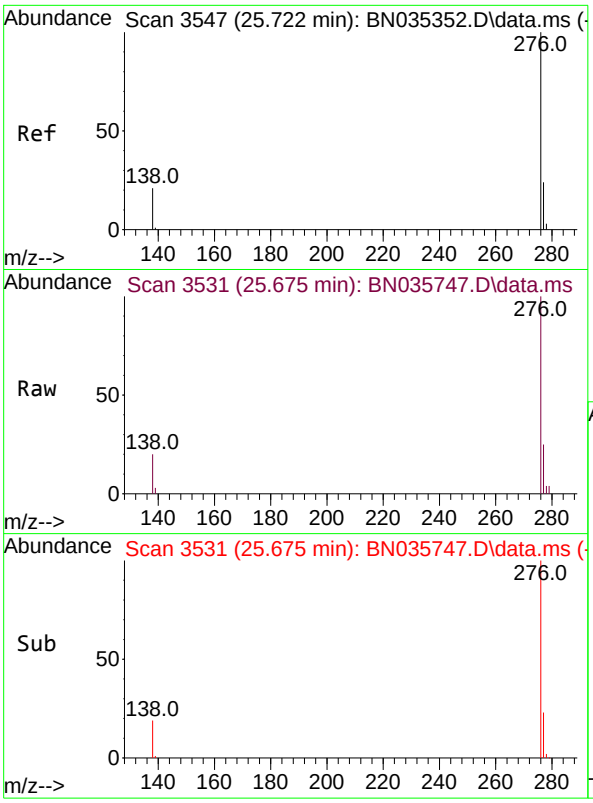


#40
Dibenzo(a,h)anthracene
Concen: 0.421 ng
RT: 25.082 min Scan# 3328
Delta R.T. -0.000 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Tgt Ion:278 Resp: 15847

Ion	Ratio	Lower	Upper
278	100		
139	16.8	14.2	21.4
279	26.9	20.5	30.7

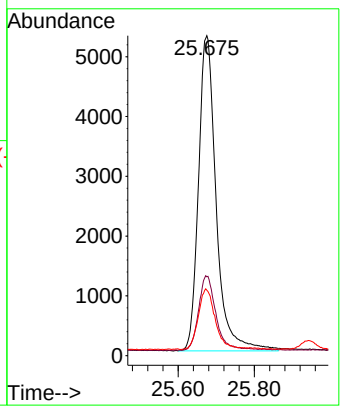




#41
Benzo(g,h,i)perylene
Concen: 0.432 ng
RT: 25.675 min Scan# 3
Delta R.T. -0.003 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Tgt Ion:276 Resp: 1699

Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.9	29.9
138	20.4	17.8	26.8



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035747.D
Acq On : 20 Dec 2024 18:18
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Quant Time: Dec 21 01:42:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	202#	0.00
2		1,4-Dioxane	0.382	0.448	-17.3	241#	0.00
3		n-Nitrosodimethylamine	0.319	0.014	95.6#	8#	-0.04
4	S	2-Fluorophenol	1.001	0.002	99.8#	0#	-0.01
5	S	Phenol-d6	1.204	0.025	97.9#	4#	0.00
6		bis(2-Chloroethyl)ether	1.012	1.045	-3.3	213#	0.00
7	I	Naphthalene-d8	1.000	1.000	0.0	218#	-0.01
8	S	Nitrobenzene-d5	0.244	0.005	98.0#	4#	0.00
9		Naphthalene	1.055	1.090	-3.3	227#	0.00
10		Hexachlorobutadiene	0.243	0.276	-13.6	243#	-0.01
11	SURR	2-Methylnaphthalene-d10	0.626	0.618	1.3	218#	0.00
12		2-Methylnaphthalene	0.755	0.732	3.0	216#	0.00
13	I	Acenaphthene-d10	1.000	1.000	0.0	185#	-0.01
14	S	2,4,6-Tribromophenol	0.284	0.001	99.6#	1#	-0.01
15	S	2-Fluorobiphenyl	1.512	0.002	99.9#	0#	0.00
16		Acenaphthylene	1.680	1.701	-1.3	197#	-0.01
17		Acenaphthene	1.115	1.163	-4.3	198#	-0.01
18		Fluorene	1.596	1.468	8.0	176#	-0.01
19	I	Phenanthrene-d10	1.000	1.000	0.0	147	0.00
20		4,6-Dinitro-2-methylphenol	0.039	0.012	69.2#	50#	0.00
21		4-Bromophenyl-phenylether	0.234	0.229	2.1	149	-0.01
22		Hexachlorobenzene	0.275	0.316	-14.9	170#	-0.01
23		Atrazine	0.167	0.002	98.8#	2#	0.00
24		Pentachlorophenol	0.120	0.095	20.8	147	0.00
25		Phenanthrene	1.099	1.108	-0.8	153#	-0.01
26		Anthracene	0.994	1.015	-2.1	159#	0.00
27	SURR	Fluoranthene-d10	1.134	1.034	8.8	141	0.00
28		Fluoranthene	1.481	1.309	11.6	136	0.00
29	I	Chrysene-d12	1.000	1.000	0.0	125	0.00
30		Pyrene	1.477	1.673	-13.3	141	0.00
31	S	Terphenyl-d14	0.789	0.003	99.6#	0#	0.00
32		Benzo(a)anthracene	1.399	1.377	1.6	127	0.00
33		Chrysene	1.443	1.544	-7.0	134	0.00
34		Bis(2-ethylhexyl)phthalate	0.553	0.631	-14.1	152#	0.00
35	I	Perylene-d12	1.000	1.000	0.0	113	0.00
36		Indeno(1,2,3-cd)pyrene	1.564	1.730	-10.6	127	0.00
37		Benzo(b)fluoranthene	1.463	1.802	-23.2	154#	0.00
38		Benzo(k)fluoranthene	1.440	1.569	-9.0	126	0.00
39	C	Benzo(a)pyrene	1.205	1.282	-6.4	126	0.00
40		Dibenzo(a,h)anthracene	1.234	1.299	-5.3	122	0.00
41		Benzo(g,h,i)perylene	1.289	1.393	-8.1	126	0.00

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035747.D
Acq On : 20 Dec 2024 18:18
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Quant Time: Dec 21 01:42:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	0.400	0.400	0.0	202	0.00
2		1,4-Dioxane	0.400	0.469	-17.2	241	0.00
3		n-Nitrosodimethylamine	0.400	0.017	95.8#	8	-0.04
4	S	2-Fluorophenol	0.400	0.001	99.8#	0	-0.01
5	S	Phenol-d6	0.400	0.008	98.0#	4	0.00
6		bis(2-Chloroethyl)ether	0.400	0.413	-3.2	213	0.00
7	I	Naphthalene-d8	0.400	0.400	0.0	218	-0.01
8	S	Nitrobenzene-d5	0.400	0.008	98.0#	4	0.00
9		Naphthalene	0.400	0.413	-3.2	227	0.00
10		Hexachlorobutadiene	0.400	0.453	-13.2	243	-0.01
11	SURR	2-Methylnaphthalene-d10	0.400	0.395	1.3	218	0.00
12		2-Methylnaphthalene	0.400	0.388	3.0	216	0.00
13	I	Acenaphthene-d10	0.400	0.400	0.0	185	-0.01
14	S	2,4,6-Tribromophenol	0.400	0.002	99.5#	1	-0.01
15	S	2-Fluorobiphenyl	0.400	0.000	100.0#	0	0.00
16		Acenaphthylene	0.400	0.405	-1.3	197	-0.01
17		Acenaphthene	0.400	0.417	-4.2	198	-0.01
18		Fluorene	0.400	0.368	8.0	176	-0.01
19	I	Phenanthrene-d10	0.400	0.400	0.0	147	0.00
20		4,6-Dinitro-2-methylphenol	0.400	0.122	69.5#	50	0.00
21		4-Bromophenyl-phenylether	0.400	0.391	2.3	149	-0.01
22		Hexachlorobenzene	0.400	0.460	-15.0	170	-0.01
23		Atrazine	0.400	0.005	98.8#	2	0.00
24		Pentachlorophenol	0.400	0.319	20.3	147	0.00
25		Phenanthrene	0.400	0.403	-0.8	153	-0.01
26		Anthracene	0.400	0.408	-2.0	159	0.00
27	SURR	Fluoranthene-d10	0.400	0.365	8.8	141	0.00
28		Fluoranthene	0.400	0.353	11.8	136	0.00
29	I	Chrysene-d12	0.400	0.400	0.0	125	0.00
30		Pyrene	0.400	0.453	-13.2	141	0.00
31	S	Terphenyl-d14	0.400	0.001	99.8#	0	0.00
32		Benzo(a)anthracene	0.400	0.394	1.5	127	0.00
33		Chrysene	0.400	0.428	-7.0	134	0.00
34		Bis(2-ethylhexyl)phthalate	0.400	0.456	-14.0	152	0.00
35	I	Perylene-d12	0.400	0.400	0.0	113	0.00
36		Indeno(1,2,3-cd)pyrene	0.400	0.442	-10.5	127	0.00
37		Benzo(b)fluoranthene	0.400	0.493	-23.2	154	0.00
38		Benzo(k)fluoranthene	0.400	0.436	-9.0	126	0.00
39	C	Benzo(a)pyrene	0.400	0.425	-6.2	126	0.00
40		Dibenzo(a,h)anthracene	0.400	0.421	-5.2	122	0.00
41		Benzo(g,h,i)perylene	0.400	0.432	-8.0	126	0.00

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

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: P5261 SAS No.: P5261 SDG No.: P5261

Instrument ID: BNA_N Calibration Date/Time: 12/20/2024 19:33

Lab File ID: BN035749.D Init. Calib. Date(s): 11/27/2024 11/27/2024

EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 15:34 19:09

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.626	0.622		-0.6	20.0
Fluoranthene-d10	1.134	1.074		-5.3	20.0
2-Fluorophenol	1.001	1.021		2.0	20.0
Phenol-d6	1.204	1.178		-2.2	20.0
Nitrobenzene-d5	0.244	0.294		20.5	20.0
2-Fluorobiphenyl	1.512	1.560		3.2	20.0
2,4,6-Tribromophenol	0.284	0.235		-17.3	20.0
Terphenyl-d14	0.789	0.891		12.9	20.0
1,4-Dioxane	0.382	0.445		16.5	20.0

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035749.D
Acq On : 20 Dec 2024 19:33
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 40 Sample Multiplier: 1

Quant Time: Dec 21 01:43:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.272	152	2885	0.400	ng		0.00
7) Naphthalene-d8	10.009	136	7460	0.400	ng		-0.01
13) Acenaphthene-d10	13.925	164	4592	0.400	ng		-0.01
19) Phenanthrene-d10	16.698	188	9182	0.400	ng	#	0.00
29) Chrysene-d12	20.956	240	7719	0.400	ng		0.00
35) Perylene-d12	23.038	264	7943	0.400	ng	#	0.00
System Monitoring Compounds							
4) 2-Fluorophenol	4.932	112	2946	0.408	ng		0.00
5) Phenol-d6	6.484	99	3398	0.391	ng		0.00
8) Nitrobenzene-d5	8.408	82	2193m	0.481	ng		0.00
11) 2-Methylnaphthalene-d10	11.616	152	4637	0.397	ng		0.00
14) 2,4,6-Tribromophenol	15.453	330	1079	0.331	ng		0.00
15) 2-Fluorobiphenyl	12.539	172	7163	0.413	ng		0.00
27) Fluoranthene-d10	18.761	212	9858	0.379	ng		0.00
31) Terphenyl-d14	19.393	244	6880	0.452	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.982	88	1284	0.466	ng		96
3) n-Nitrosodimethylamine	3.271	42	1037	0.451	ng	#	96
6) bis(2-Chloroethyl)ether	6.723	93	2618m	0.359	ng		
9) Naphthalene	10.063	128	8115	0.412	ng		99
10) Hexachlorobutadiene	10.351	225	2104	0.464	ng	#	98
12) 2-Methylnaphthalene	11.697	142	5318	0.378	ng		99
16) Acenaphthylene	13.636	152	7458	0.387	ng		100
17) Acenaphthene	13.989	154	5179	0.405	ng		99
18) Fluorene	14.994	166	6721	0.367	ng		100
20) 4,6-Dinitro-2-methylph...	15.133	198	99	0.110	ng	#	1
21) 4-Bromophenyl-phenylether	15.904	248	2111	0.393	ng	#	80
22) Hexachlorobenzene	16.003	284	3074	0.487	ng		96
23) Atrazine	16.202	200	1584	0.414	ng		97
24) Pentachlorophenol	16.376	266	1014	0.370	ng		87
25) Phenanthrene	16.748	178	9861	0.391	ng		100
26) Anthracene	16.835	178	8624	0.378	ng		99
28) Fluoranthene	18.789	202	12002	0.353	ng		100
30) Pyrene	19.156	202	12468	0.438	ng		99
32) Benzo(a)anthracene	20.938	228	9472	0.351	ng		99
33) Chrysene	20.992	228	11952	0.429	ng		99
34) Bis(2-ethylhexyl)phtha...	20.902	149	4632	0.434	ng	#	98
36) Indeno(1,2,3-cd)pyrene	25.067	276	12531	0.404	ng		96
37) Benzo(b)fluoranthene	22.427	252	13708	0.472	ng		95
38) Benzo(k)fluoranthene	22.468	252	11604m	0.406	ng		
39) Benzo(a)pyrene	22.950	252	9304	0.389	ng	#	91
40) Dibenzo(a,h)anthracene	25.082	278	9530	0.389	ng		95
41) Benzo(g,h,i)perylene	25.675	276	11213	0.438	ng		99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035749.D
Acq On : 20 Dec 2024 19:33
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 40 Sample Multiplier: 1

Quant Time: Dec 21 01:43:03 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

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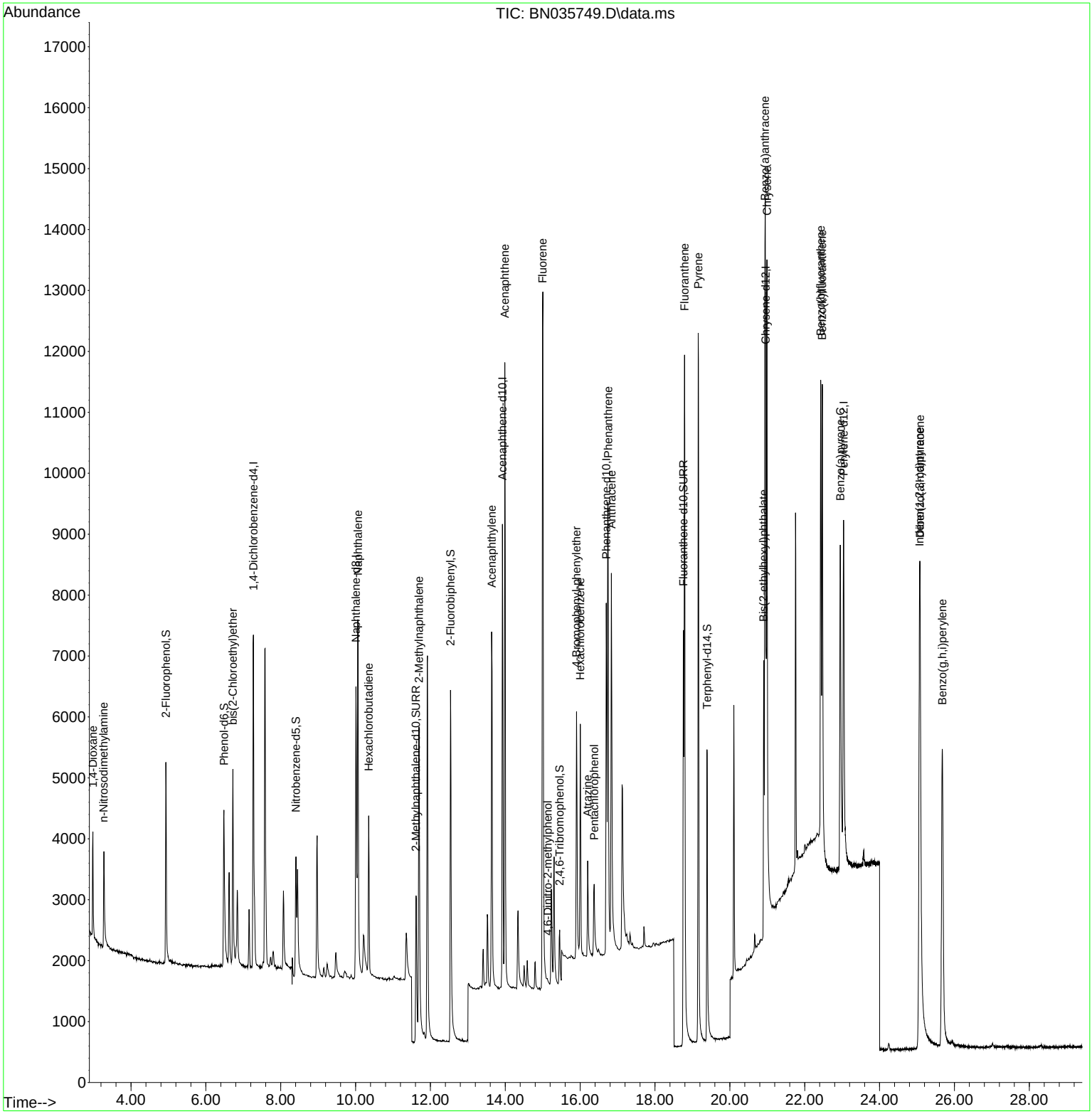
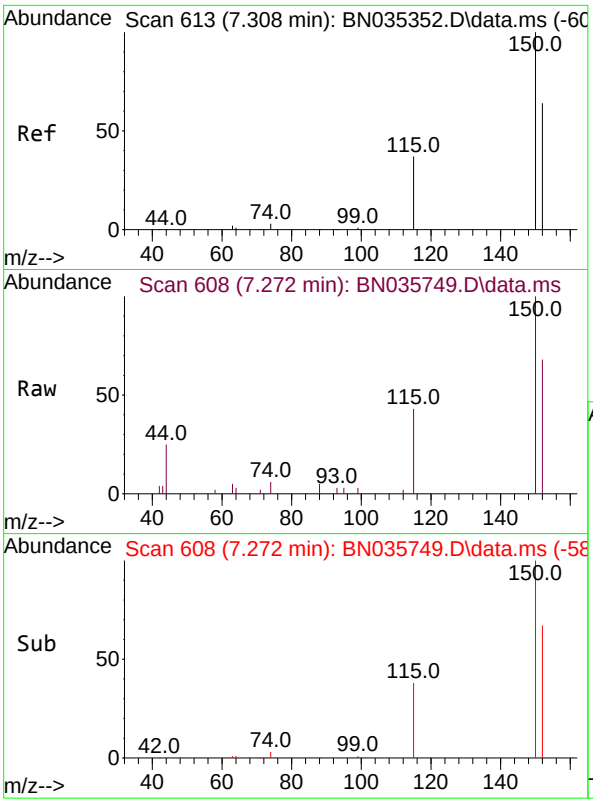
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

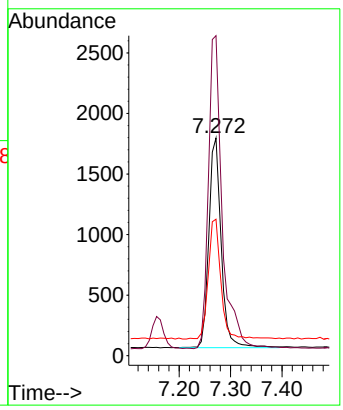




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.272 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Tgt Ion:152 Resp: 288

Ion	Ratio	Lower	Upper
152	100		
150	147.0	124.0	186.0
115	62.7	49.6	74.4



Instrument :
BNA_N
ClientSampleId :
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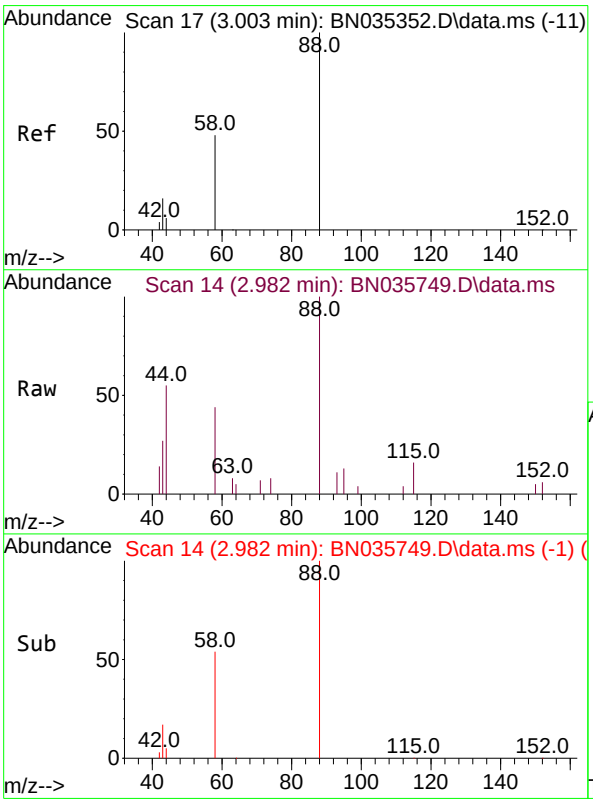
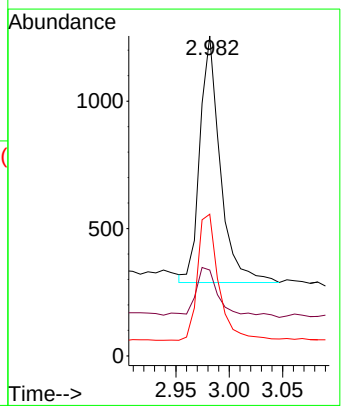
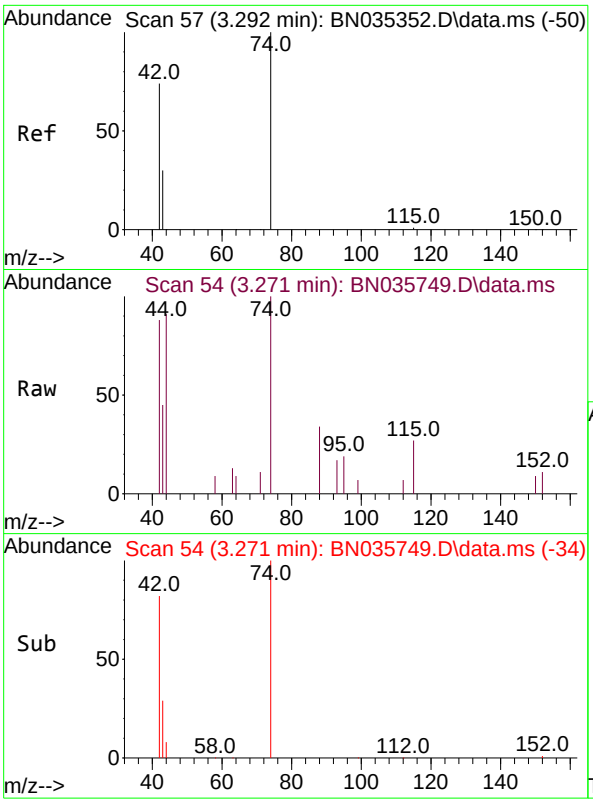


#2
1,4-Dioxane
Concen: 0.466 ng
RT: 2.982 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Tgt Ion: 88 Resp: 1284

Ion	Ratio	Lower	Upper
88	100		
43	24.5	17.2	25.8
58	53.3	44.5	66.7

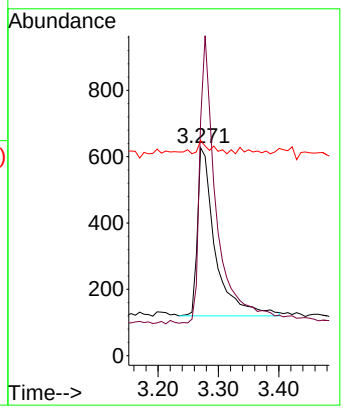




#3
n-Nitrosodimethylamine
Concen: 0.451 ng
RT: 3.271 min Scan# 54
Delta R.T. -0.007 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Tgt Ion: 42 Resp: 103

Ion	Ratio	Lower	Upper
42	100		
74	160.8	124.9	187.3
44	7.0	2.2	3.4



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

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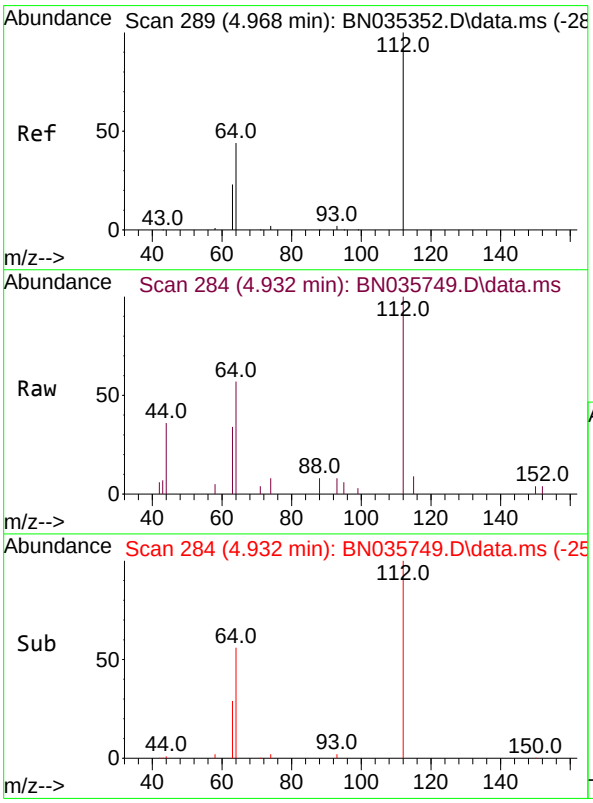
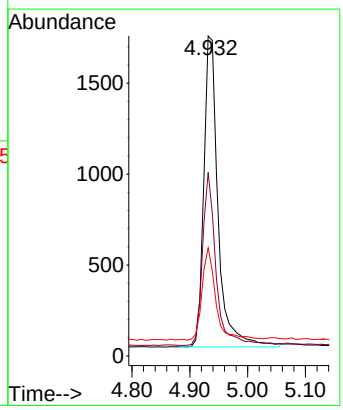
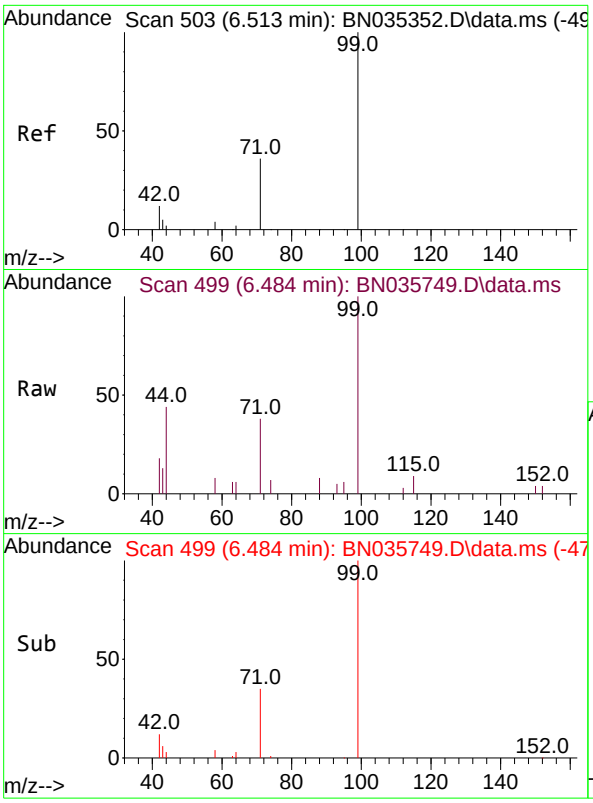


#4
2-Fluorophenol
Concen: 0.408 ng
RT: 4.932 min Scan# 284
Delta R.T. -0.007 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Tgt Ion:112 Resp: 2946

Ion	Ratio	Lower	Upper
112	100		
64	52.4	39.8	59.8
63	28.5	21.0	31.6

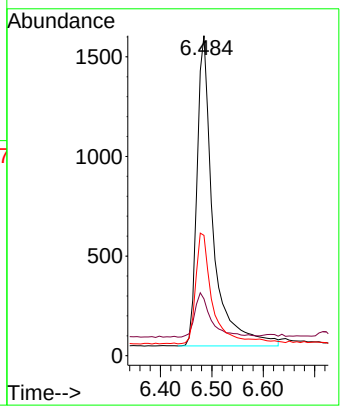




#5
Phenol-d6
Concen: 0.391 ng
RT: 6.484 min Scan# 4
Delta R.T. -0.007 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Tgt Ion: 99 Resp: 339

Ion	Ratio	Lower	Upper
99	100		
42	14.6	11.4	17.2
71	37.5	29.3	43.9



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

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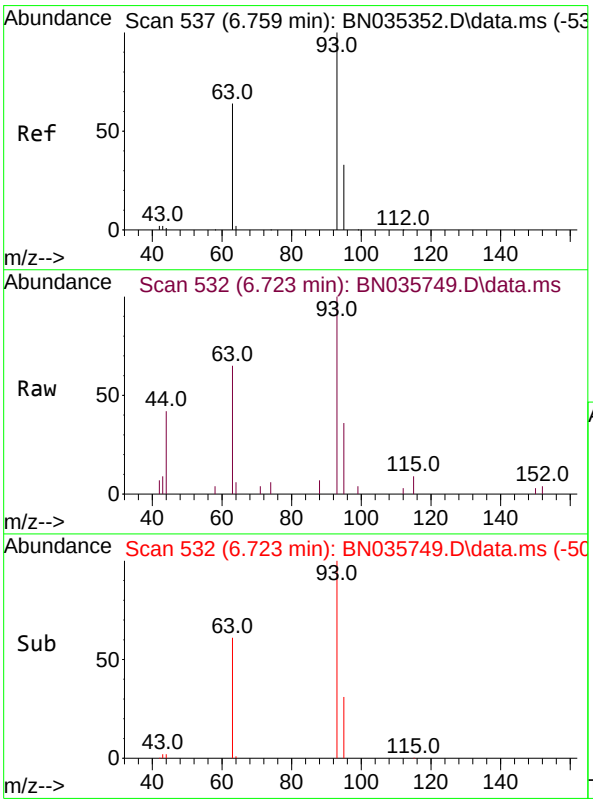
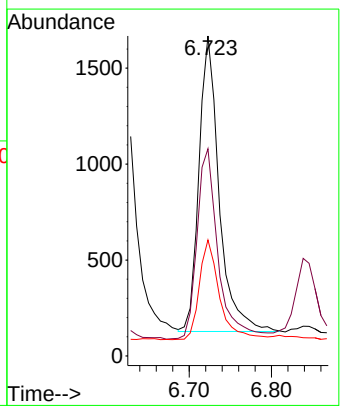
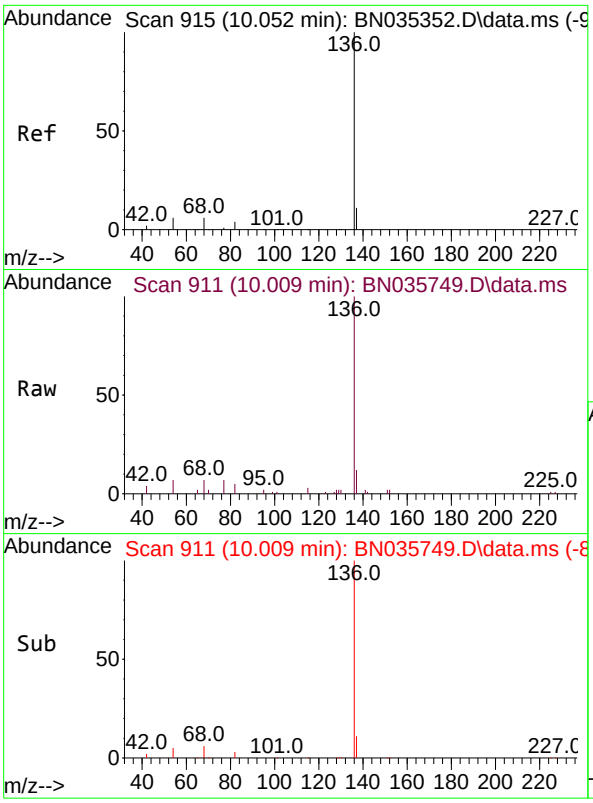


#6
bis(2-Chloroethyl)ether
Concen: 0.359 ng m
RT: 6.723 min Scan# 532
Delta R.T. -0.007 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Tgt Ion: 93 Resp: 2618

Ion	Ratio	Lower	Upper
93	100		
63	67.8	50.4	75.6
95	33.9	25.7	38.5

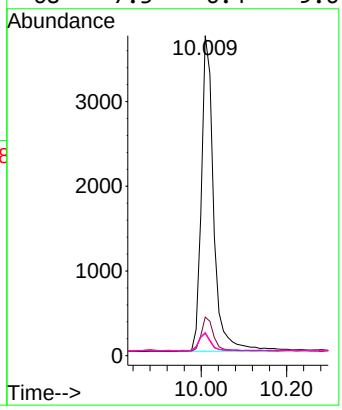




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.009 min Scan# 9
Delta R.T. -0.011 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Tgt Ion:136 Resp: 746

Ion	Ratio	Lower	Upper
136	100		
137	12.0	10.2	15.2
54	6.9	6.1	9.1
68	7.3	6.4	9.6



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

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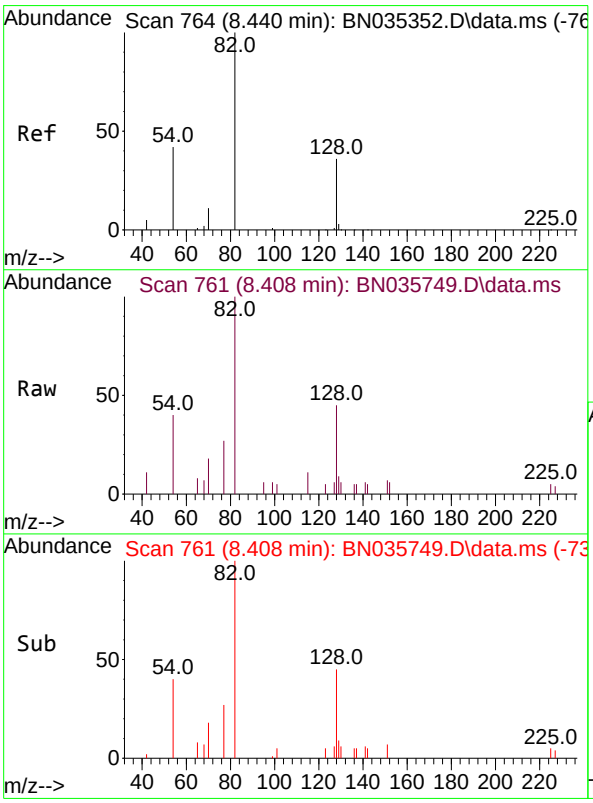
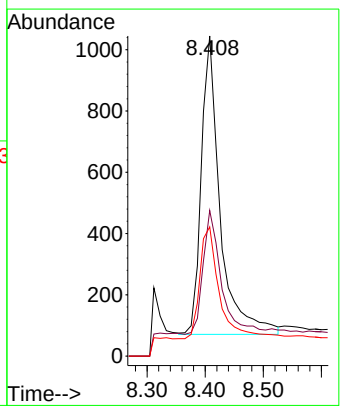
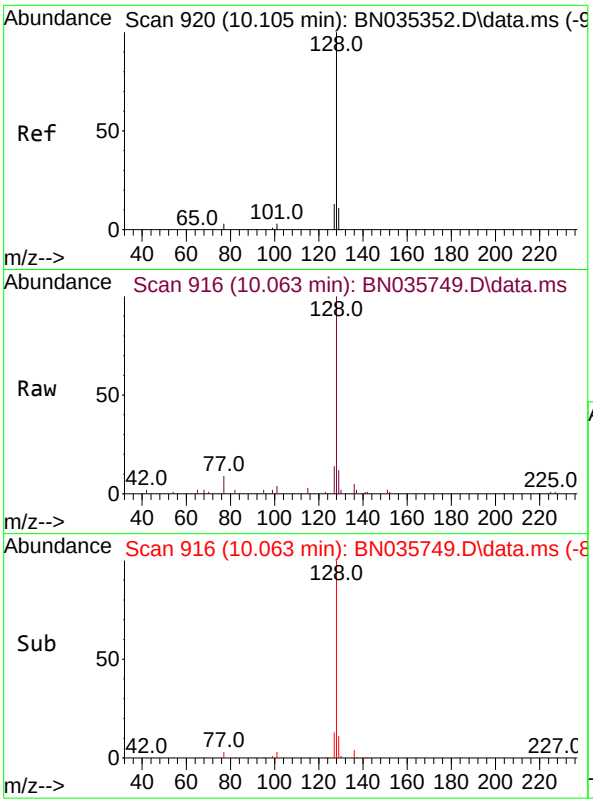


#8
Nitrobenzene-d5
Concen: 0.481 ng m
RT: 8.408 min Scan# 761
Delta R.T. -0.000 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Tgt Ion: 82 Resp: 2193

Ion	Ratio	Lower	Upper
82	100		
128	45.5	33.4	50.0
54	40.4	36.7	55.1

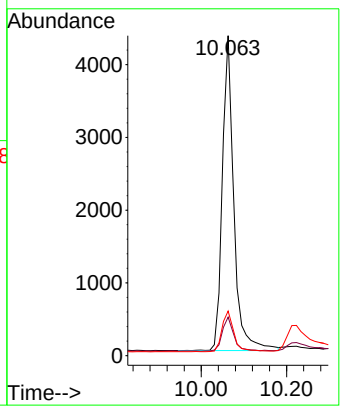




#9
Naphthalene
Concen: 0.412 ng
RT: 10.063 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Tgt Ion:128 Resp: 811

Ion	Ratio	Lower	Upper
128	100		
129	12.1	9.8	14.6
127	13.9	11.4	17.2



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

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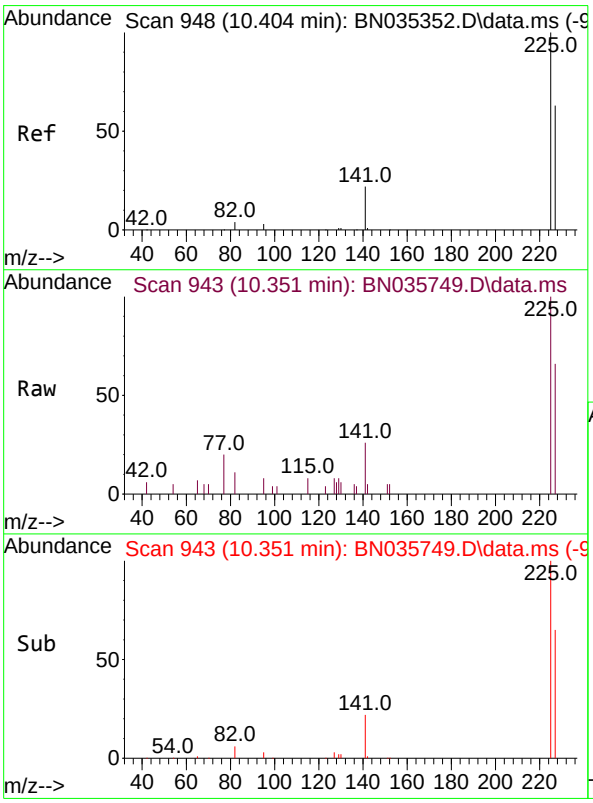
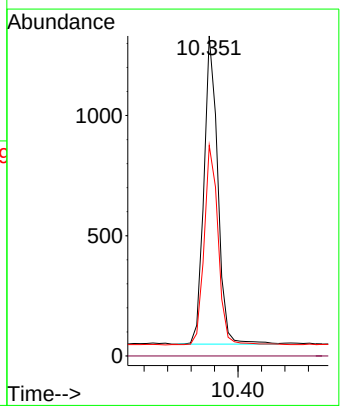
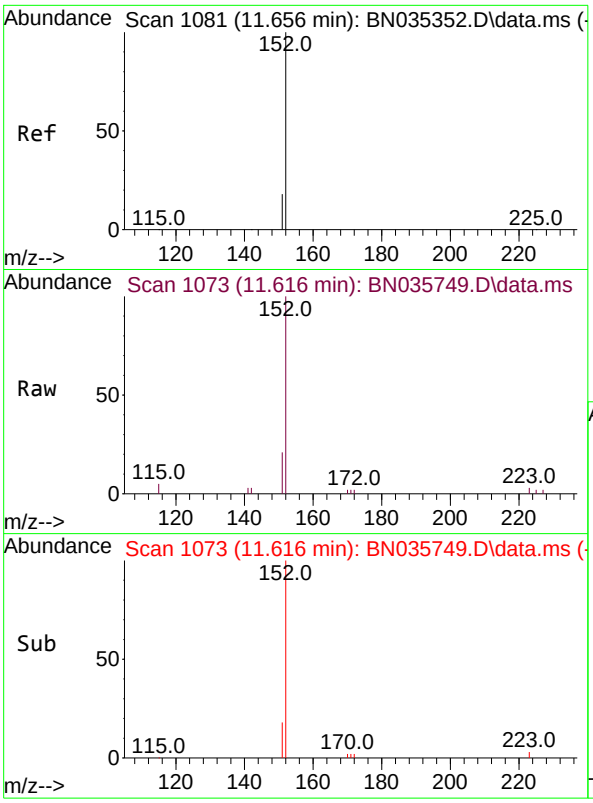


#10
Hexachlorobutadiene
Concen: 0.464 ng
RT: 10.351 min Scan# 943
Delta R.T. -0.011 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Tgt Ion:225 Resp: 2104

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	65.6	51.3	76.9

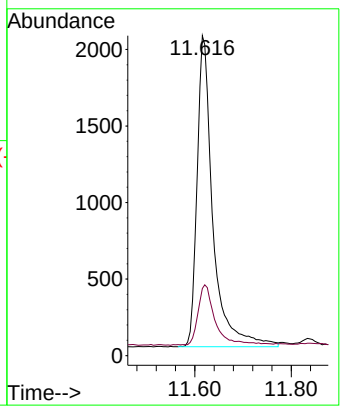




#11
2-Methylnaphthalene-d10
Concen: 0.397 ng
RT: 11.616 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Tgt Ion:152 Resp: 463

Ion	Ratio	Lower	Upper
152	100		
151	21.4	16.6	25.0



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

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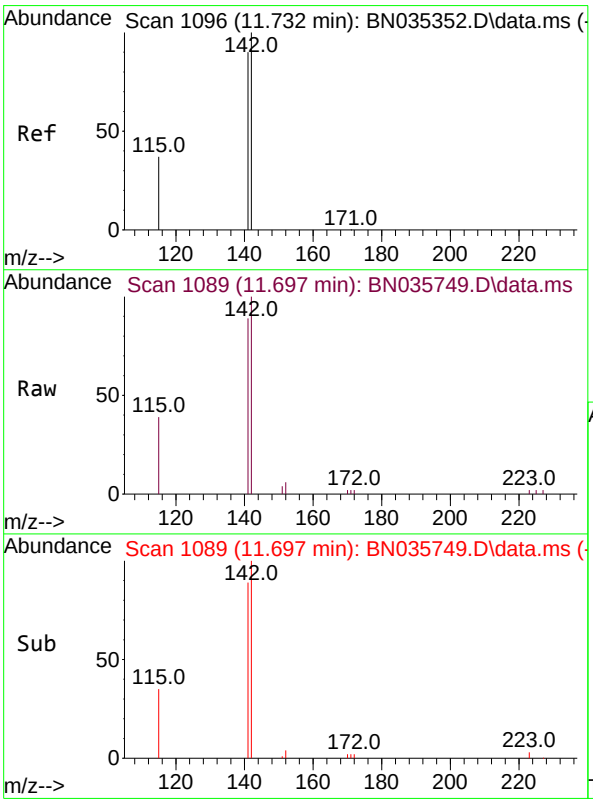
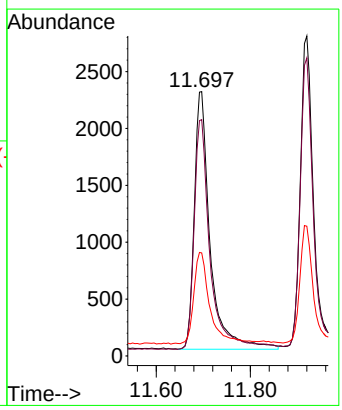
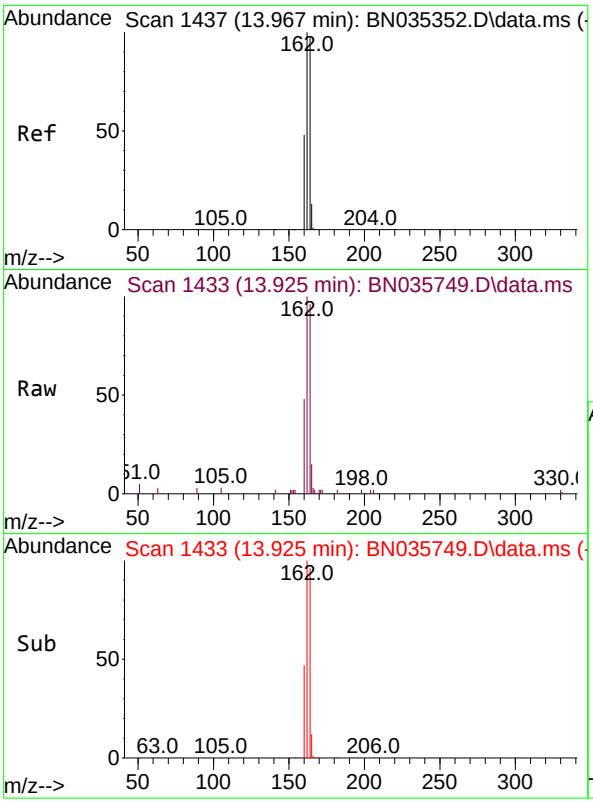


#12
2-Methylnaphthalene
Concen: 0.378 ng
RT: 11.697 min Scan# 1089
Delta R.T. -0.000 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Tgt Ion:142 Resp: 5318

Ion	Ratio	Lower	Upper
142	100		
141	89.4	72.2	108.4
115	39.0	31.4	47.0

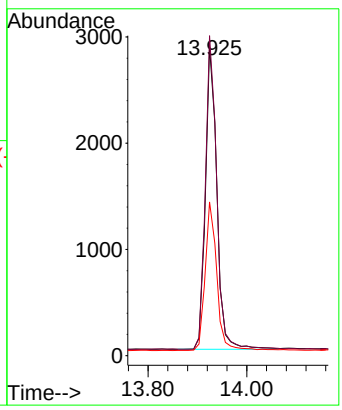




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.925 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Tgt Ion:164 Resp: 459

Ion	Ratio	Lower	Upper
164	100		
162	103.6	82.2	123.2
160	49.8	40.1	60.1



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

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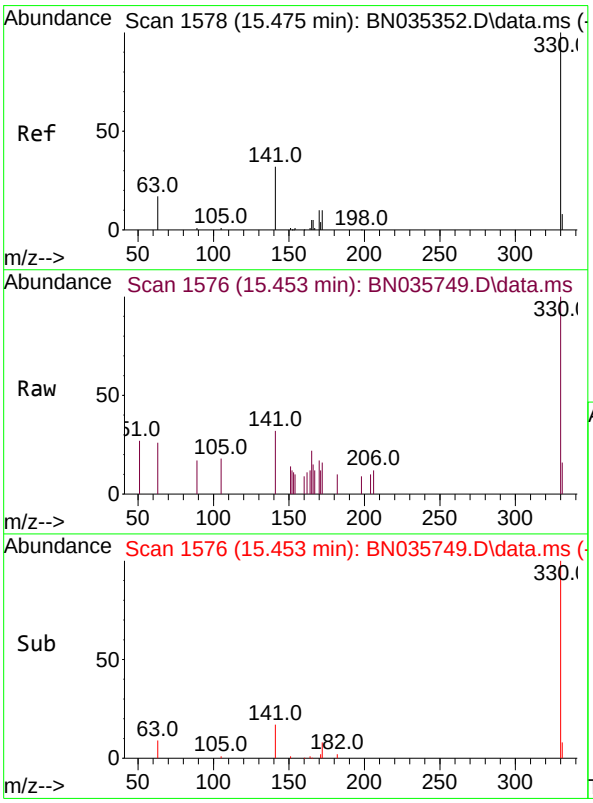
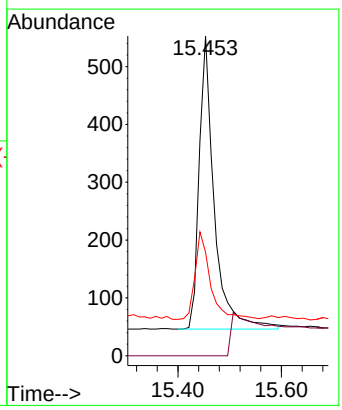
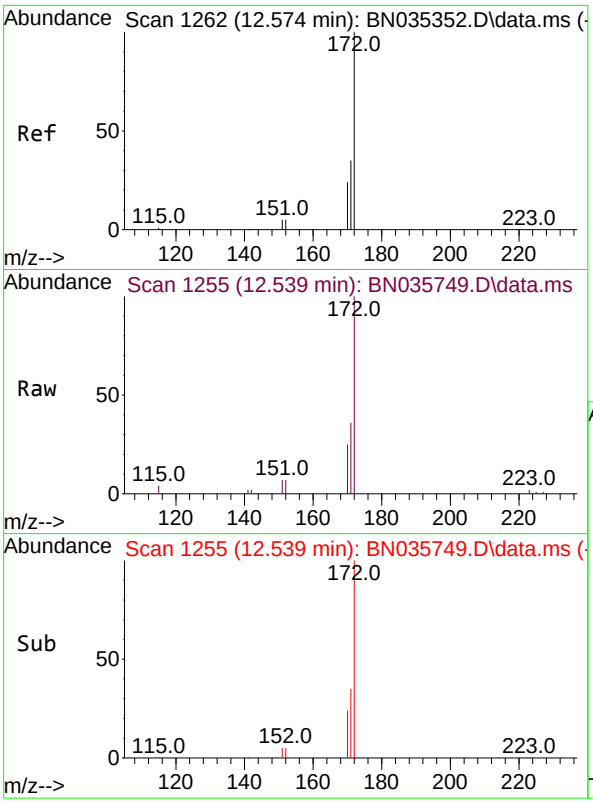


#14
2,4,6-Tribromophenol
Concen: 0.331 ng
RT: 15.453 min Scan# 1576
Delta R.T. -0.000 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Tgt Ion:330 Resp: 1079

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	29.6	26.6	40.0

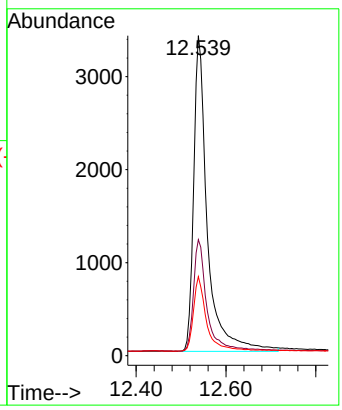




#15
2-Fluorobiphenyl
Concen: 0.413 ng
RT: 12.539 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Tgt Ion:172 Resp: 716

Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.0	43.4
170	24.7	19.8	29.8



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

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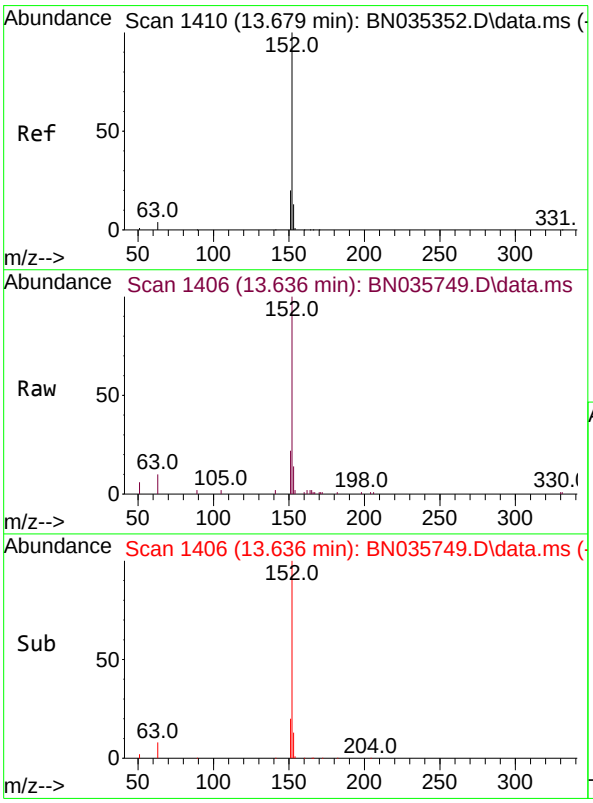
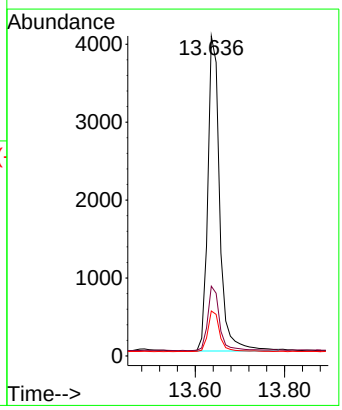
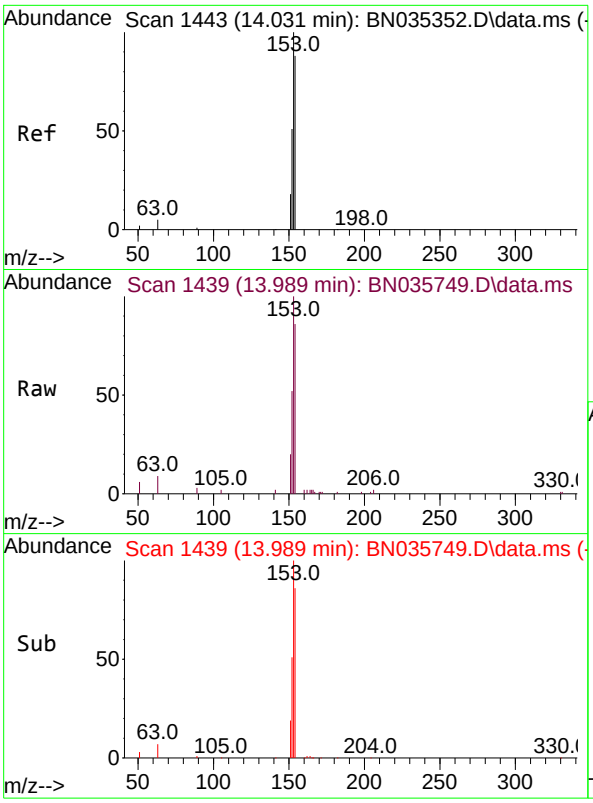


#16
Acenaphthylene
Concen: 0.387 ng
RT: 13.636 min Scan# 1406
Delta R.T. -0.011 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Tgt Ion:152 Resp: 7458

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.2	24.2
153	13.2	10.4	15.6

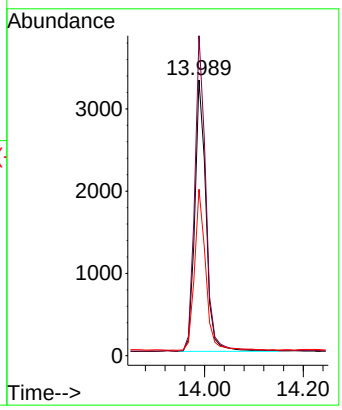




#17
Acenaphthene
Concen: 0.405 ng
RT: 13.989 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Tgt Ion:154 Resp: 517

Ion	Ratio	Lower	Upper
154	100		
153	115.5	92.6	139.0
152	59.2	49.0	73.6



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

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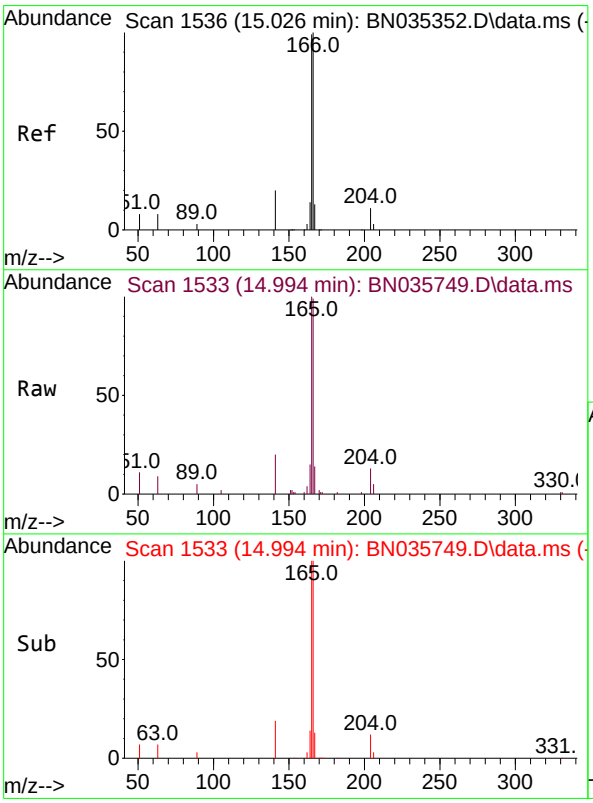
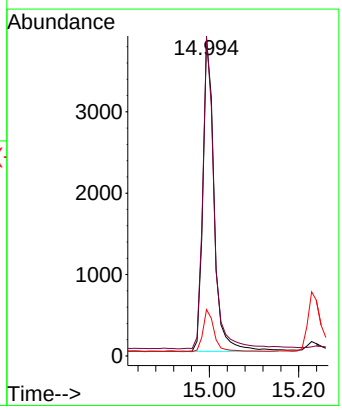
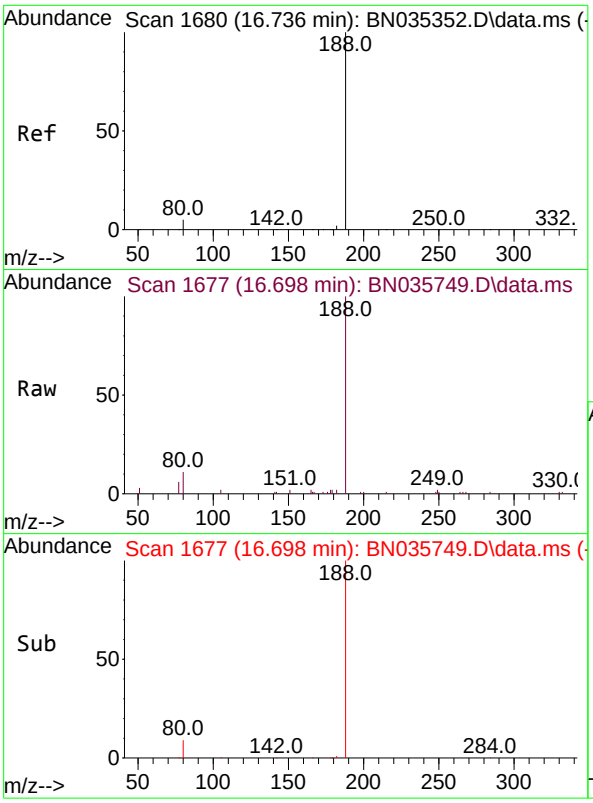


#18
Fluorene
Concen: 0.367 ng
RT: 14.994 min Scan# 1533
Delta R.T. -0.011 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Tgt Ion:166 Resp: 6721

Ion	Ratio	Lower	Upper
166	100		
165	99.7	79.7	119.5
167	13.6	10.8	16.2

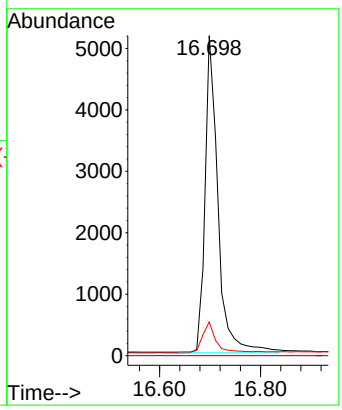




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.698 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Tgt Ion:188 Resp: 918

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.6	4.6	6.8#



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

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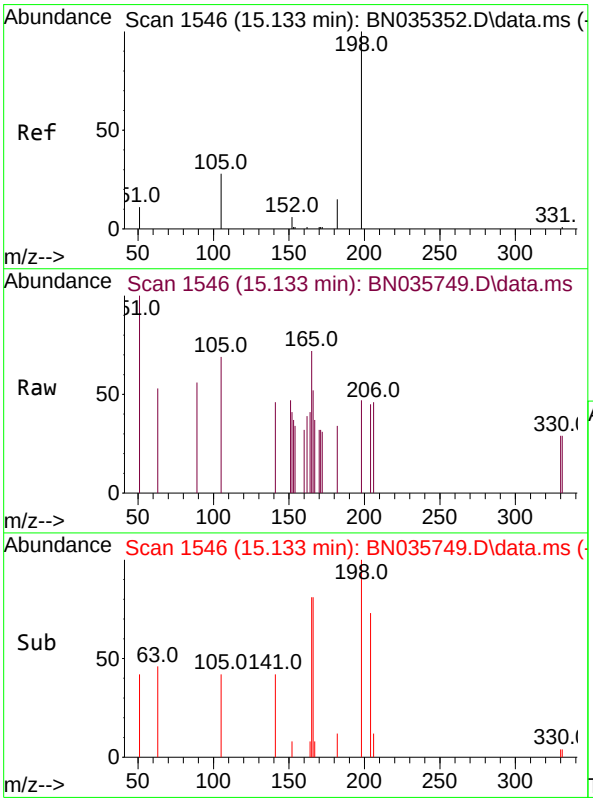
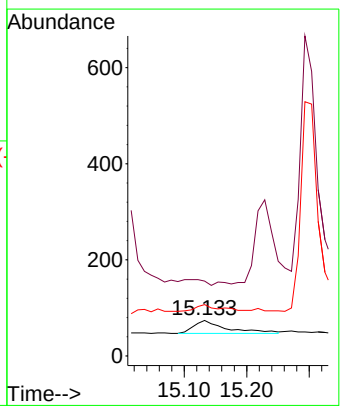
Supervised By :mohammad ahmed 12/24/2024

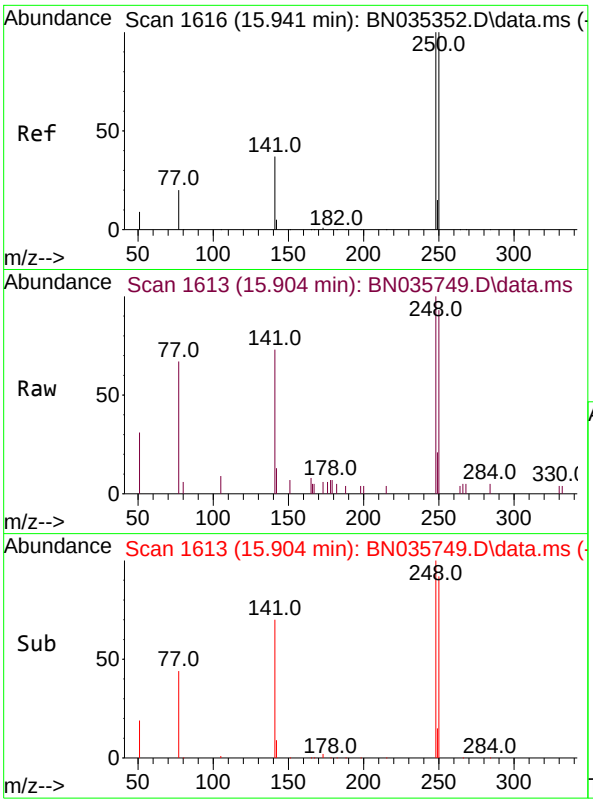


#20
4,6-Dinitro-2-methylphenol
Concen: 0.110 ng
RT: 15.133 min Scan# 1546
Delta R.T. 0.011 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Tgt Ion:198 Resp: 99

Ion	Ratio	Lower	Upper
198	100		
51	210.8	46.5	69.7#
105	144.6	45.3	67.9#





#21
4-Bromophenyl-phenylether
Concen: 0.393 ng
RT: 15.904 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Tgt Ion:248 Resp: 211

Ion	Ratio	Lower	Upper
248	100		
250	93.4	80.6	120.8
141	72.5	31.5	47.3#

Instrument :
BNA_N
ClientSampleId :
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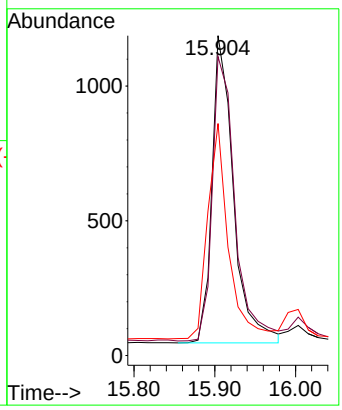
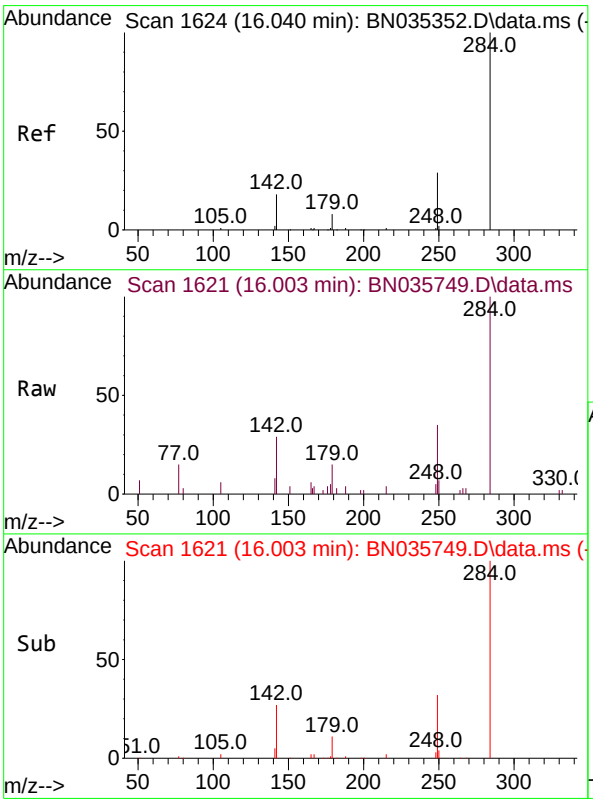
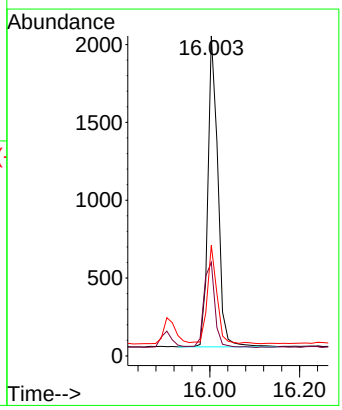


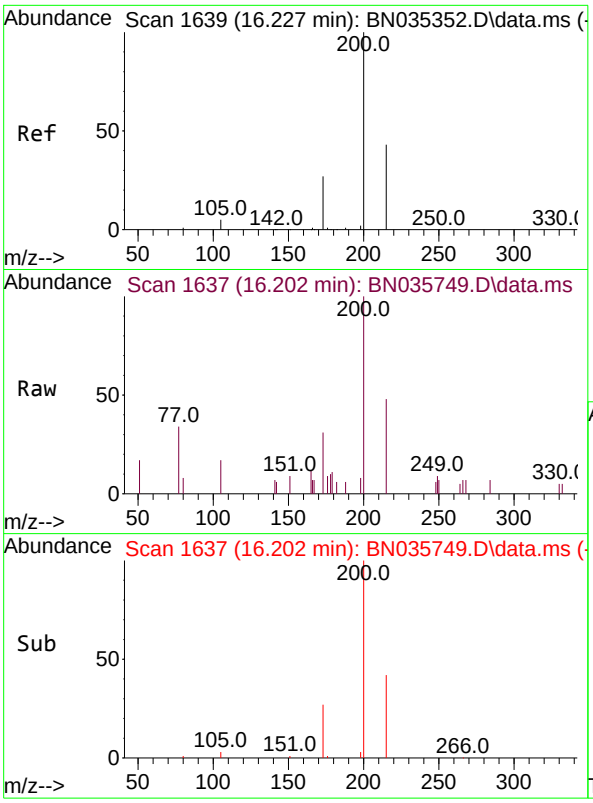


#22
Hexachlorobenzene
Concen: 0.487 ng
RT: 16.003 min Scan# 1621
Delta R.T. -0.012 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Tgt Ion:284 Resp: 3074

Ion	Ratio	Lower	Upper
284	100		
142	30.3	26.7	40.1
249	29.7	24.6	36.8

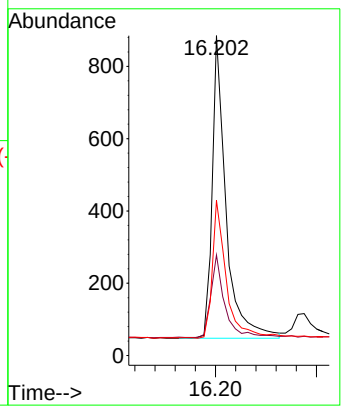




#23
Atrazine
Concen: 0.414 ng
RT: 16.202 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Tgt Ion:200 Resp: 158

Ion	Ratio	Lower	Upper
200	100		
173	31.4	24.1	36.1
215	48.5	36.9	55.3



Instrument :
BNA_N
ClientSampleId :
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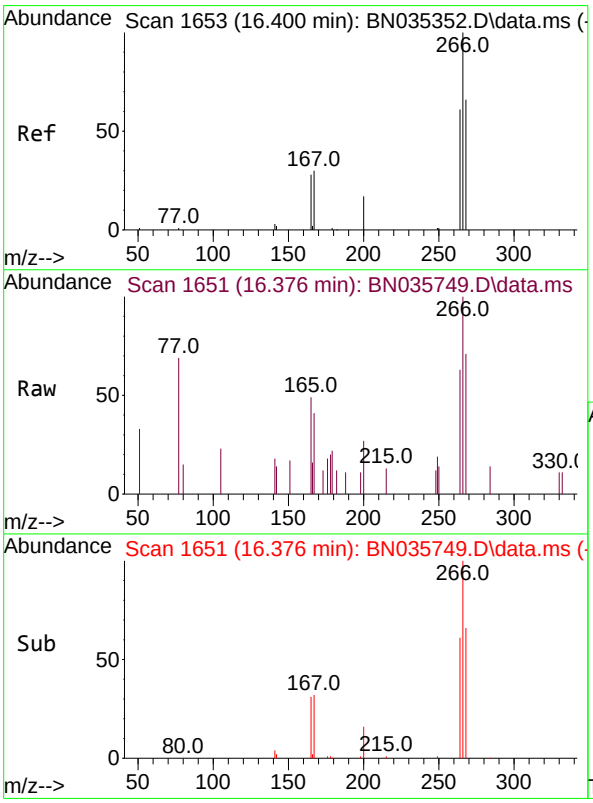
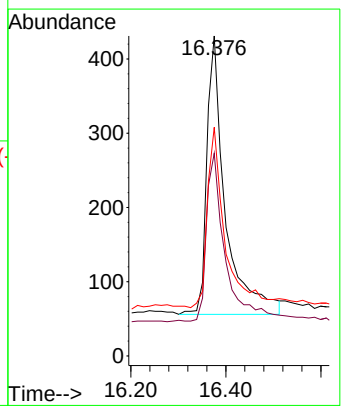
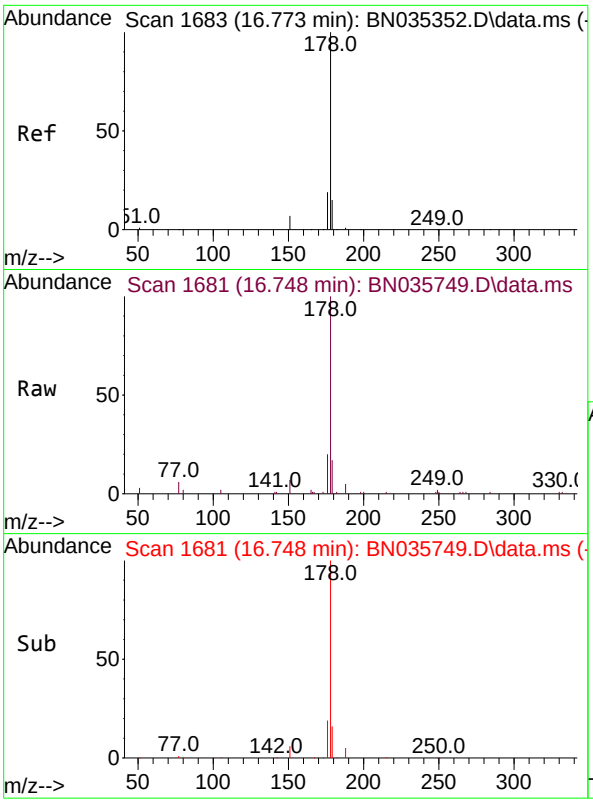


#24
Pentachlorophenol
Concen: 0.370 ng
RT: 16.376 min Scan# 1651
Delta R.T. -0.000 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Tgt Ion:266 Resp: 1014

Ion	Ratio	Lower	Upper
266	100		
264	61.4	42.3	63.5
268	64.0	43.3	64.9

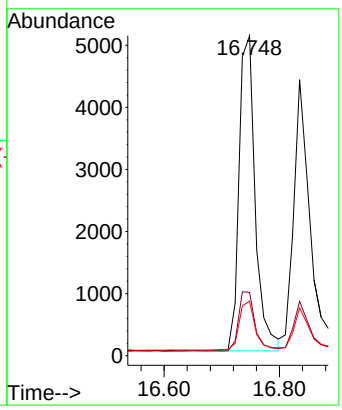




#25
Phenanthrene
Concen: 0.391 ng
RT: 16.748 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Tgt Ion:178 Resp: 986

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	15.4	12.3	18.5



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

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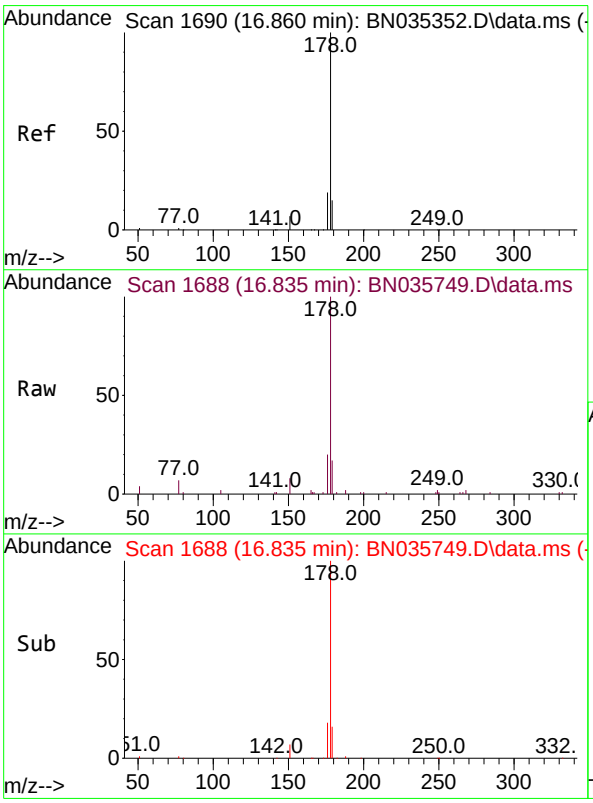
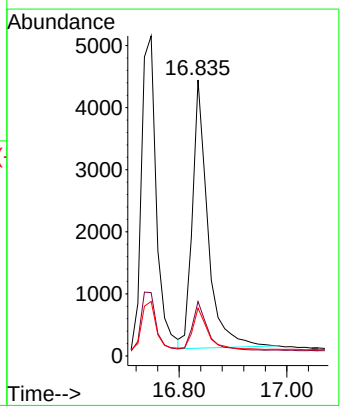
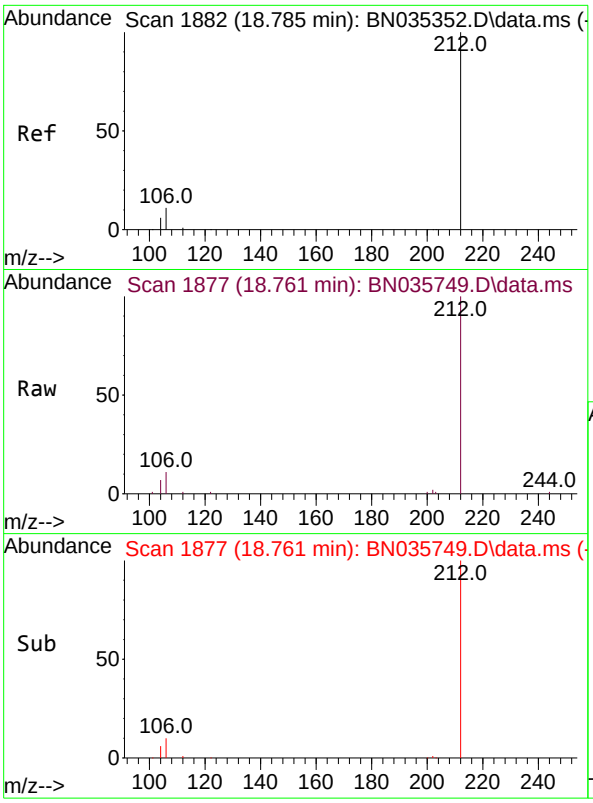


#26
Anthracene
Concen: 0.378 ng
RT: 16.835 min Scan# 1688
Delta R.T. -0.000 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Tgt Ion:178 Resp: 8624

Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.0	22.6
179	15.3	12.6	18.8

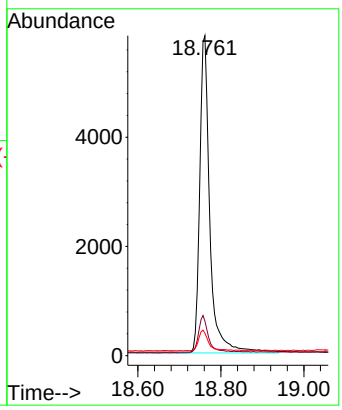




#27
Fluoranthene-d10
Concen: 0.379 ng
RT: 18.761 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Tgt Ion:212 Resp: 985

Ion	Ratio	Lower	Upper
212	100		
106	11.0	9.2	13.8
104	6.4	5.3	7.9



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

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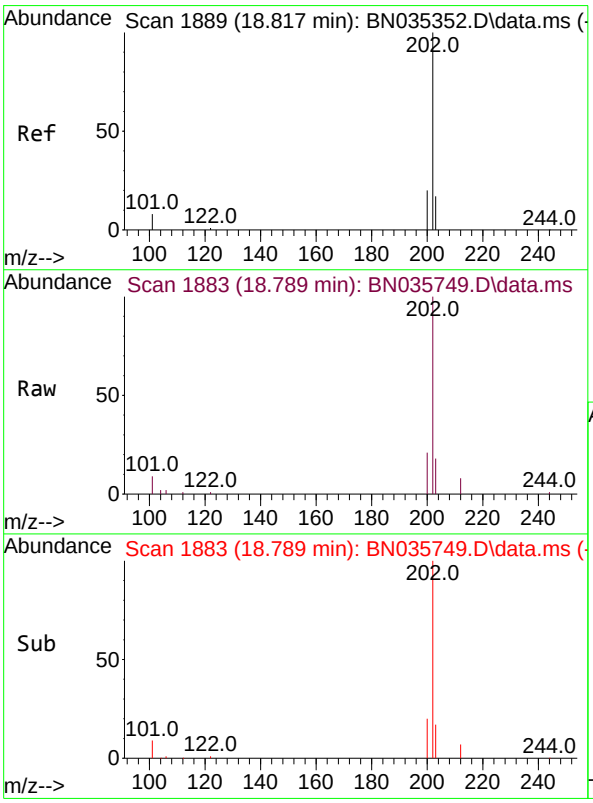
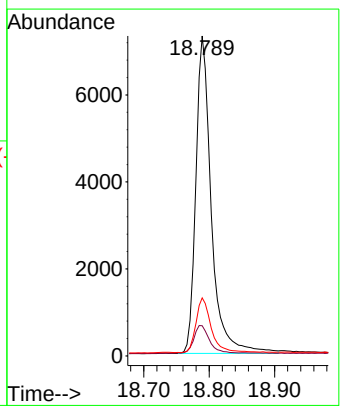
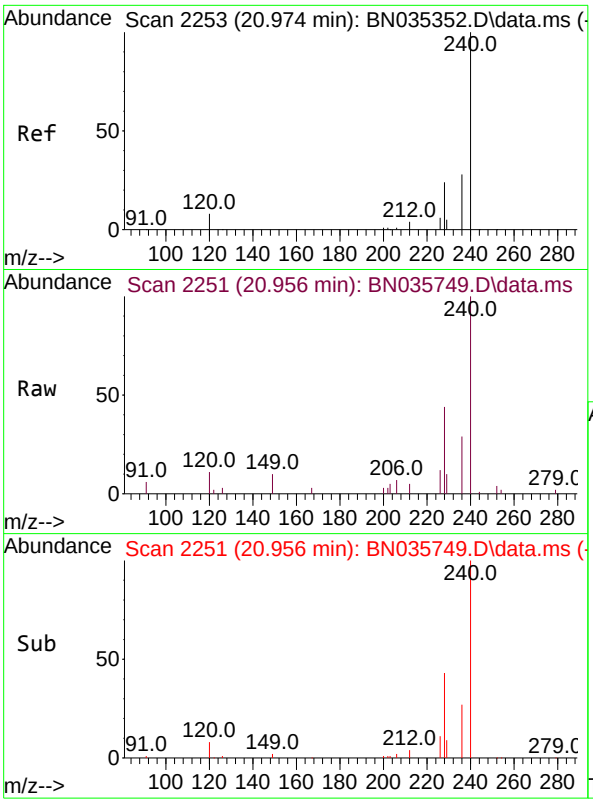


#28
Fluoranthene
Concen: 0.353 ng
RT: 18.789 min Scan# 1883
Delta R.T. -0.000 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Tgt Ion:202 Resp: 12002

Ion	Ratio	Lower	Upper
202	100		
101	9.1	7.4	11.0
203	17.1	13.7	20.5

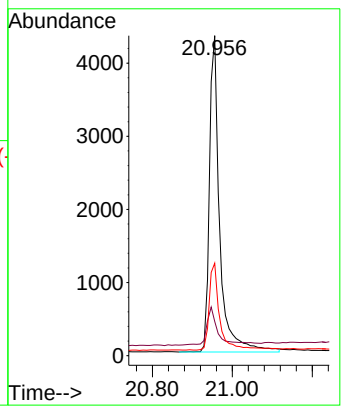




#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.956 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Tgt Ion:240 Resp: 771

Ion	Ratio	Lower	Upper
240	100		
120	10.7	7.9	11.9
236	28.9	22.9	34.3



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

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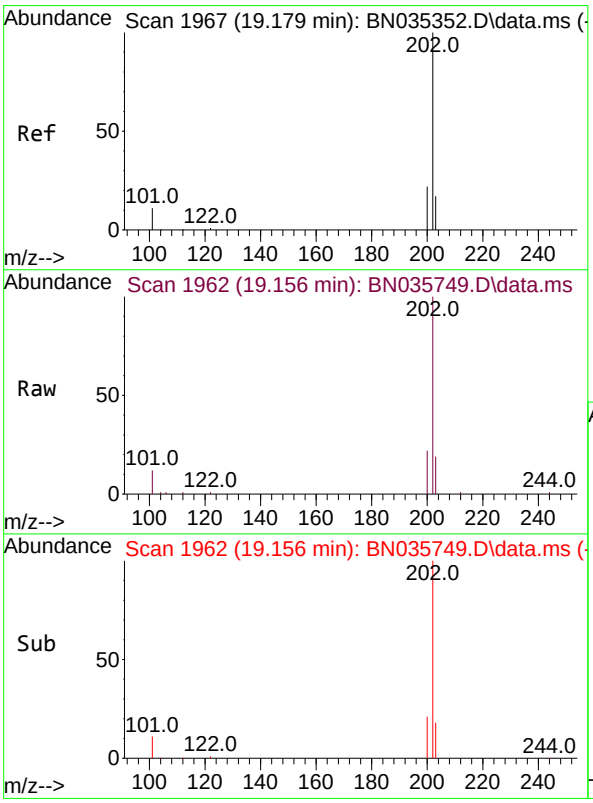
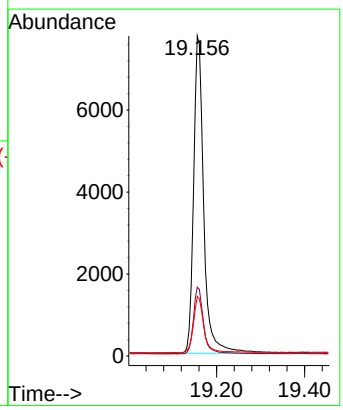
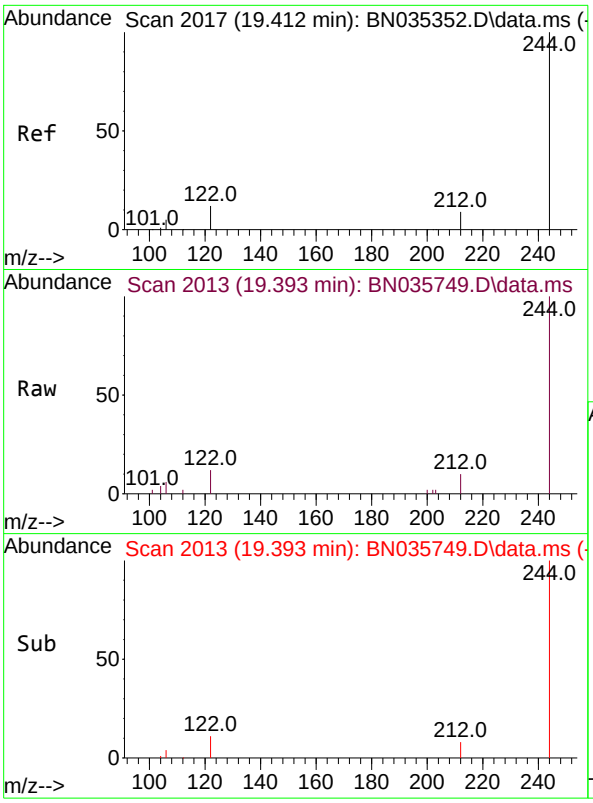


#30
Pyrene
Concen: 0.438 ng
RT: 19.156 min Scan# 1962
Delta R.T. -0.005 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Tgt Ion:202 Resp: 12468

Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.0	25.4
203	17.8	14.3	21.5

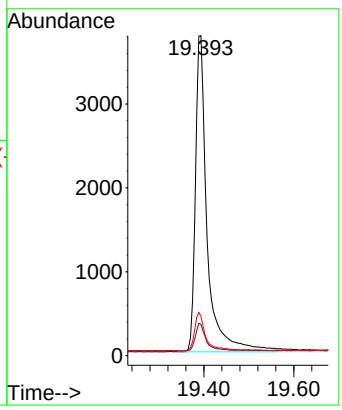




#31
Terphenyl-d14
Concen: 0.452 ng
RT: 19.393 min Scan# 2
Delta R.T. 0.005 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Tgt Ion:244 Resp: 688

Ion	Ratio	Lower	Upper
244	100		
212	9.8	8.1	12.1
122	12.4	10.3	15.5



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

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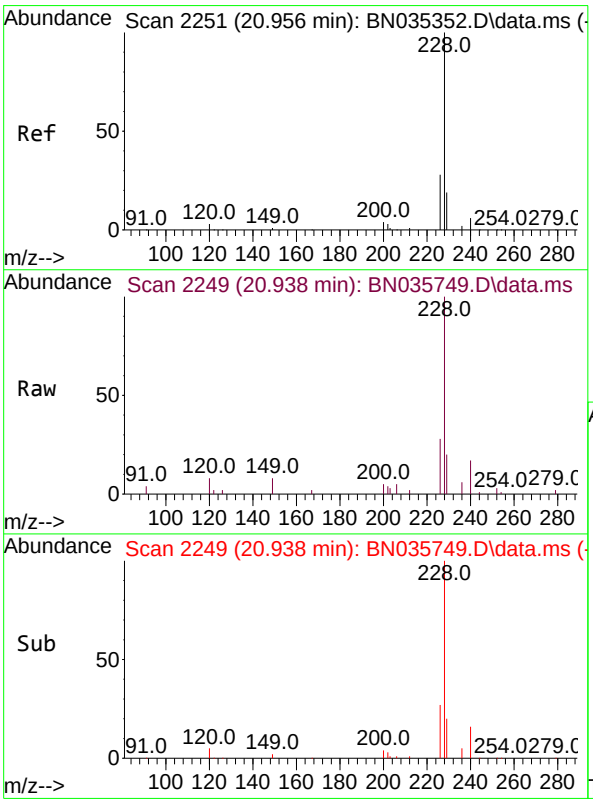
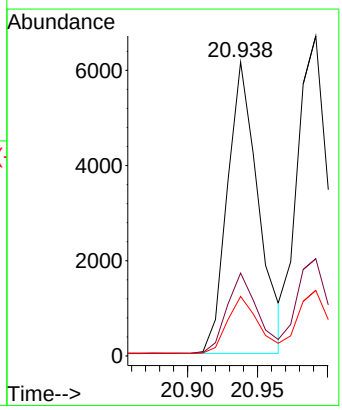
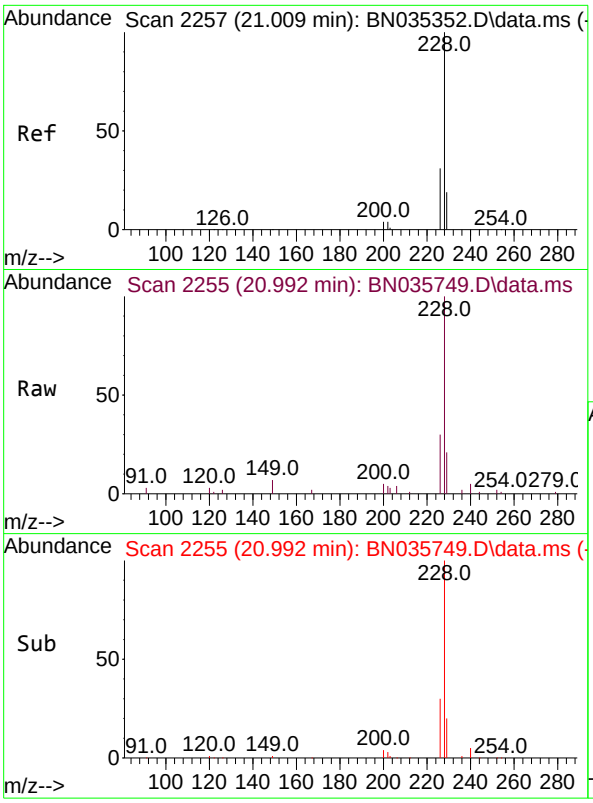


#32
Benzo(a)anthracene
Concen: 0.351 ng
RT: 20.938 min Scan# 2249
Delta R.T. -0.000 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Tgt Ion:228 Resp: 9472

Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.5	33.7
229	20.3	15.8	23.8

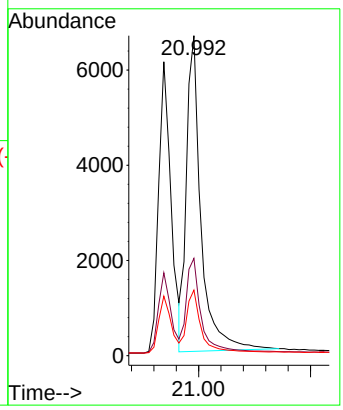




#33
Chrysene
Concen: 0.429 ng
RT: 20.992 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Tgt Ion:228 Resp: 1195

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.6	37.0
229	20.5	15.9	23.9



Instrument :
BNA_N
ClientSampleId :
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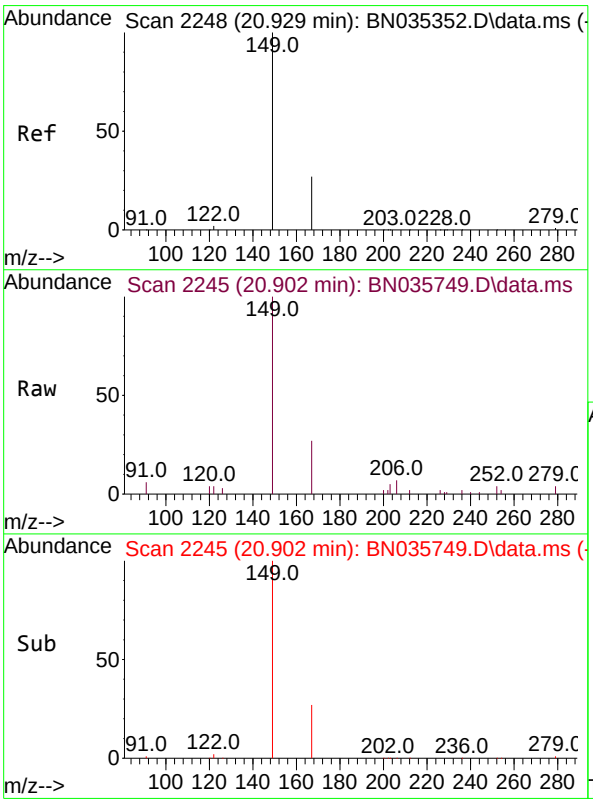
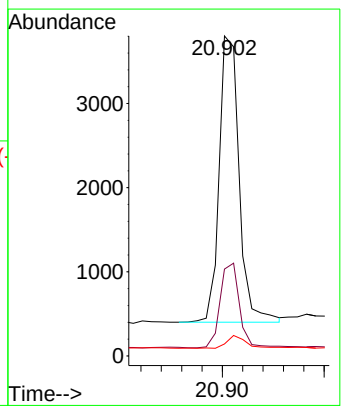
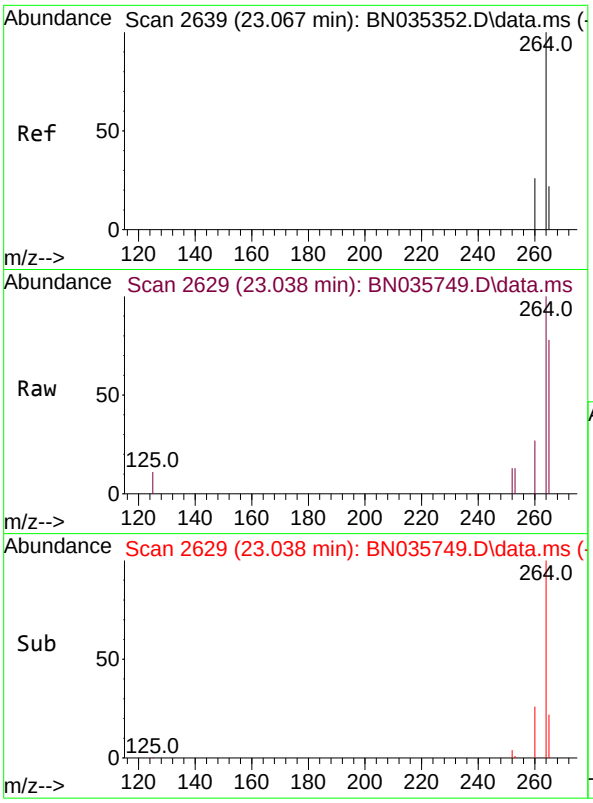


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.434 ng
RT: 20.902 min Scan# 2245
Delta R.T. -0.009 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Tgt Ion:149 Resp: 4632

Ion	Ratio	Lower	Upper
149	100		
167	28.9	22.2	33.4
279	4.5	2.7	4.1#

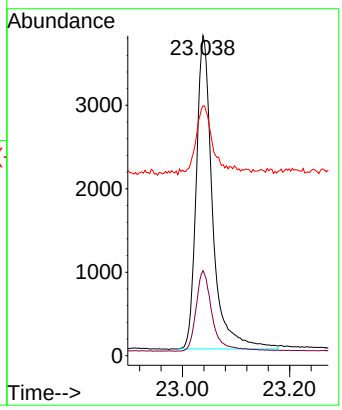




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.038 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Tgt Ion:264 Resp: 794

Ion	Ratio	Lower	Upper
264	100		
260	26.5	21.4	32.2
265	78.1	40.2	60.4



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

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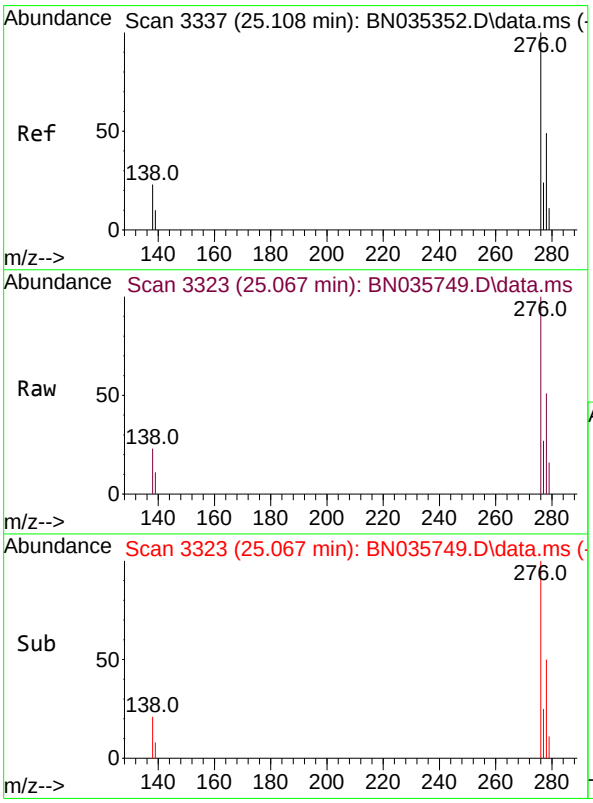
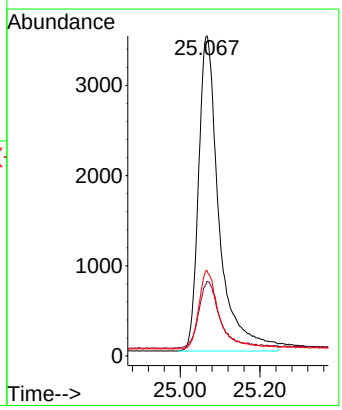
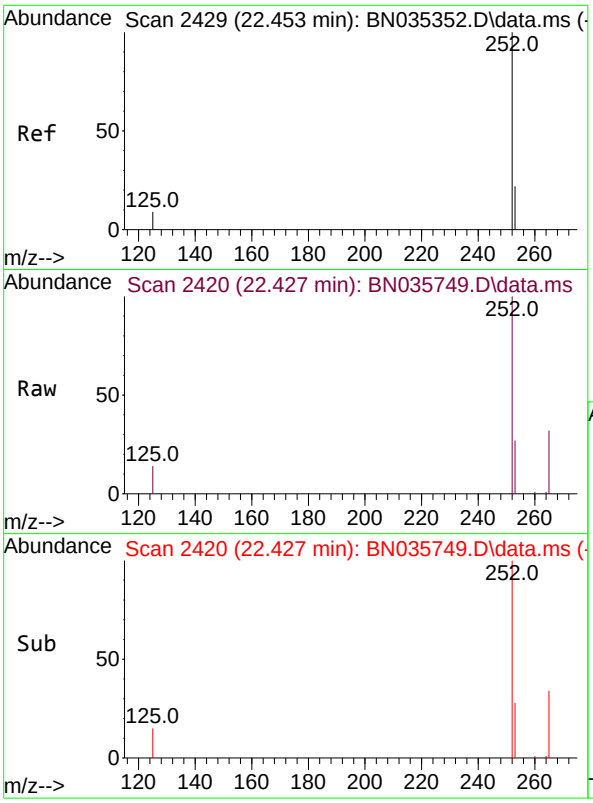


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.404 ng
RT: 25.067 min Scan# 3323
Delta R.T. -0.000 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Tgt Ion:276 Resp: 12531

Ion	Ratio	Lower	Upper
276	100		
138	21.0	19.4	29.0
277	24.2	19.8	29.6

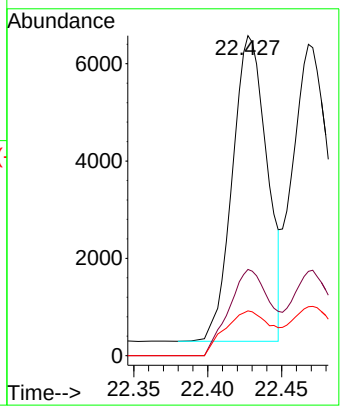




#37
Benzo(b)fluoranthene
Concen: 0.472 ng
RT: 22.427 min Scan# 24
Delta R.T. -0.003 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Tgt Ion:252 Resp: 1370

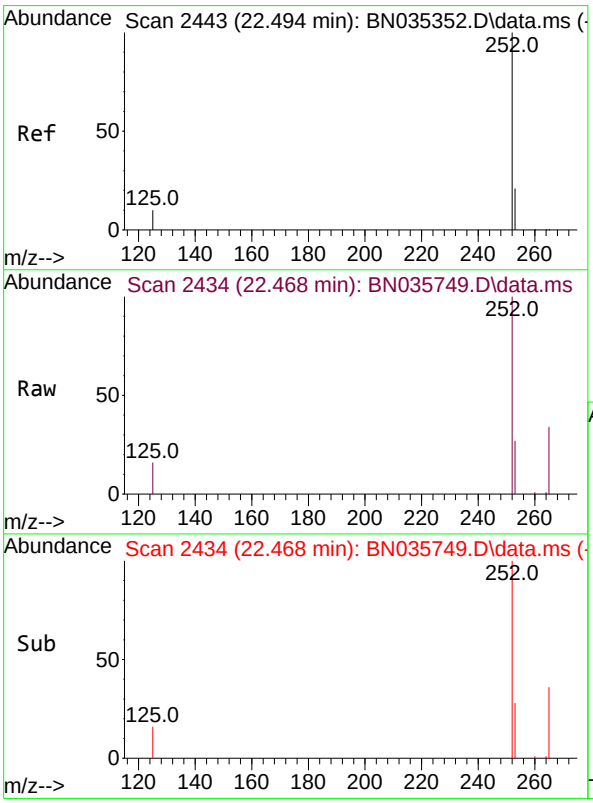
Ion	Ratio	Lower	Upper
252	100		
253	26.9	19.6	29.4
125	14.0	9.6	14.4



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Manual Integrations
APPROVED

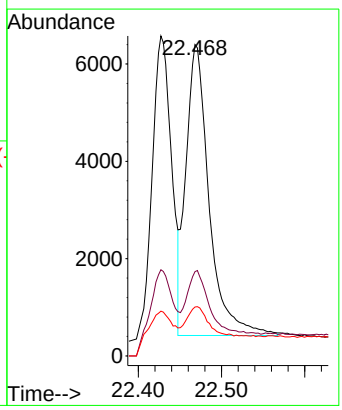
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

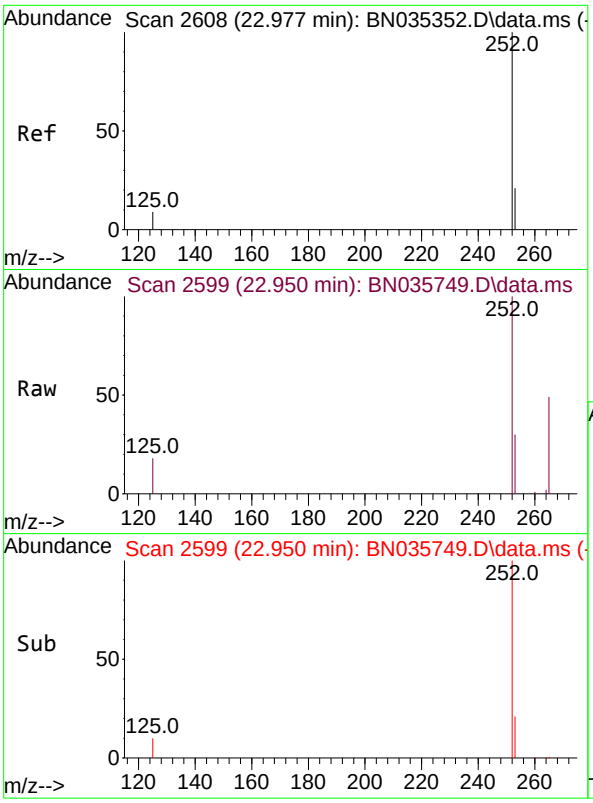


#38
Benzo(k)fluoranthene
Concen: 0.406 ng m
RT: 22.468 min Scan# 2434
Delta R.T. -0.003 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Tgt Ion:252 Resp: 11604

Ion	Ratio	Lower	Upper
252	100		
253	27.1	19.5	29.3
125	15.7	10.2	15.4#

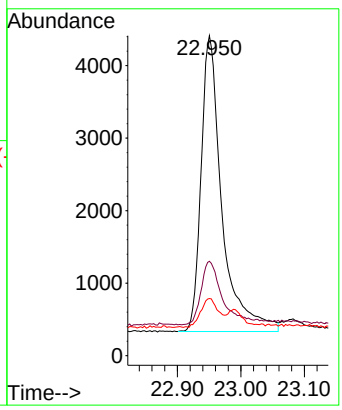




#39
Benzo(a)pyrene
Concen: 0.389 ng
RT: 22.950 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Tgt Ion:252 Resp: 930

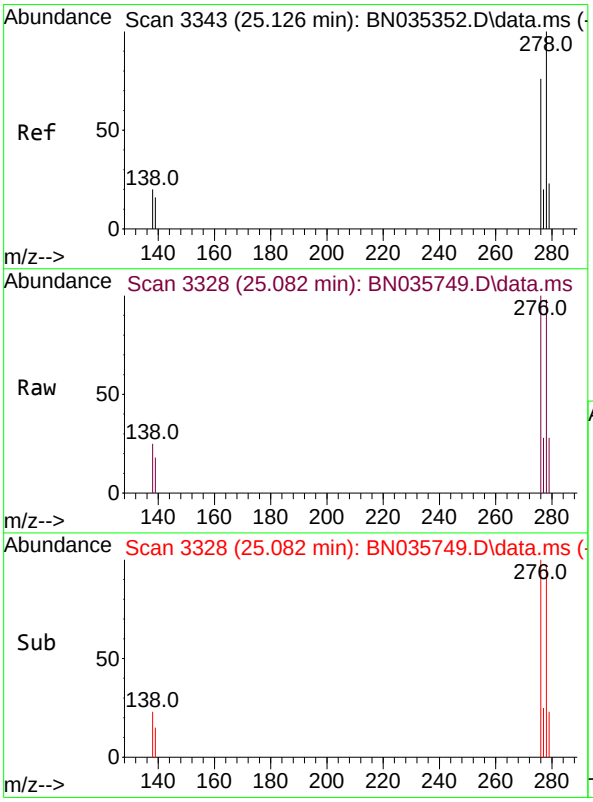
Ion	Ratio	Lower	Upper
252	100		
253	29.5	20.2	30.4
125	17.9	10.9	16.3



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Manual Integrations
APPROVED

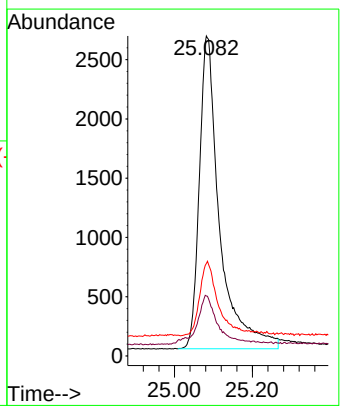
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

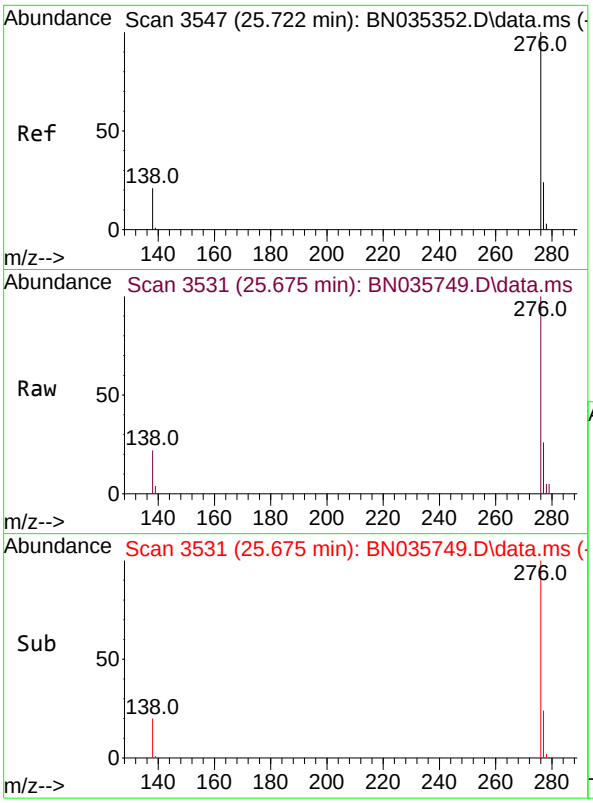


#40
Dibenzo(a,h)anthracene
Concen: 0.389 ng
RT: 25.082 min Scan# 3328
Delta R.T. -0.000 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Tgt Ion:278 Resp: 9530

Ion	Ratio	Lower	Upper
278	100		
139	18.7	14.2	21.4
279	28.9	20.5	30.7

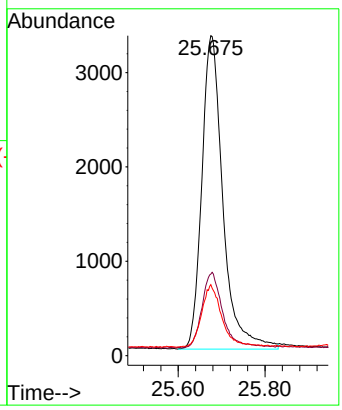




#41
Benzo(g,h,i)perylene
Concen: 0.438 ng
RT: 25.675 min Scan# 3
Delta R.T. -0.003 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Tgt Ion:276 Resp: 1121

Ion	Ratio	Lower	Upper
276	100		
277	25.5	19.9	29.9
138	22.2	17.8	26.8



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035749.D
Acq On : 20 Dec 2024 19:33
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Quant Time: Dec 21 01:43:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	141	0.00
2		1,4-Dioxane	0.382	0.445	-16.5	167#	0.00
3		n-Nitrosodimethylamine	0.319	0.359	-12.5	155#	0.00
4	S	2-Fluorophenol	1.001	1.021	-2.0	141	0.00
5	S	Phenol-d6	1.204	1.178	2.2	139	0.00
6		bis(2-Chloroethyl)ether	1.012	0.907	10.4	129	0.00
7	I	Naphthalene-d8	1.000	1.000	0.0	143	-0.01
8	S	Nitrobenzene-d5	0.244	0.294	-20.5	179#	0.00
9		Naphthalene	1.055	1.088	-3.1	148	0.00
10		Hexachlorobutadiene	0.243	0.282	-16.0	163#	-0.01
11	SURR	2-Methylnaphthalene-d10	0.626	0.622	0.6	143	0.00
12		2-Methylnaphthalene	0.755	0.713	5.6	138	0.00
13	I	Acenaphthene-d10	1.000	1.000	0.0	121	-0.01
14	S	2,4,6-Tribromophenol	0.284	0.235	17.3	111	0.00
15	S	2-Fluorobiphenyl	1.512	1.560	-3.2	125	0.00
16		Acenaphthylene	1.680	1.624	3.3	123	-0.01
17		Acenaphthene	1.115	1.128	-1.2	126	-0.01
18		Fluorene	1.596	1.464	8.3	115	-0.01
19	I	Phenanthrene-d10	1.000	1.000	0.0	97	0.00
20		4,6-Dinitro-2-methylphenol	0.039	0.011	71.8#	29#	0.01
21		4-Bromophenyl-phenylether	0.234	0.230	1.7	98	-0.01
22		Hexachlorobenzene	0.275	0.335	-21.8	119	-0.01
23		Atrazine	0.167	0.173	-3.6	108	0.00
24		Pentachlorophenol	0.120	0.110	8.3	112	0.00
25		Phenanthrene	1.099	1.074	2.3	97	0.00
26		Anthracene	0.994	0.939	5.5	97	0.00
27	SURR	Fluoranthene-d10	1.134	1.074	5.3	96	0.00
28		Fluoranthene	1.481	1.307	11.7	89	0.00
29	I	Chrysene-d12	1.000	1.000	0.0	81	0.00
30		Pyrene	1.477	1.615	-9.3	89	0.00
31	S	Terphenyl-d14	0.789	0.891	-12.9	91	0.00
32		Benzo(a)anthracene	1.399	1.227	12.3	73	0.00
33		Chrysene	1.443	1.548	-7.3	87	0.00
34		Bis(2-ethylhexyl)phthalate	0.553	0.600	-8.5	94	0.00
35	I	Perylene-d12	1.000	1.000	0.0	73	0.00
36		Indeno(1,2,3-cd)pyrene	1.564	1.578	-0.9	75	0.00
37		Benzo(b)fluoranthene	1.463	1.726	-18.0	96	0.00
38		Benzo(k)fluoranthene	1.440	1.461	-1.5	76	0.00
39	C	Benzo(a)pyrene	1.205	1.171	2.8	75	0.00
40		Dibenzo(a,h)anthracene	1.234	1.200	2.8	74	0.00
41		Benzo(g,h,i)perylene	1.289	1.412	-9.5	83	0.00

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035749.D
Acq On : 20 Dec 2024 19:33
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Quant Time: Dec 21 01:43:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	0.400	0.400	0.0	141	0.00
2		1,4-Dioxane	0.400	0.466	-16.5	167	0.00
3		n-Nitrosodimethylamine	0.400	0.451	-12.7	155	0.00
4	S	2-Fluorophenol	0.400	0.408	-2.0	141	0.00
5	S	Phenol-d6	0.400	0.391	2.3	139	0.00
6		bis(2-Chloroethyl)ether	0.400	0.359	10.3	129	0.00
7	I	Naphthalene-d8	0.400	0.400	0.0	143	-0.01
8	S	Nitrobenzene-d5	0.400	0.481	-20.2	179	0.00
9		Naphthalene	0.400	0.412	-3.0	148	0.00
10		Hexachlorobutadiene	0.400	0.464	-16.0	163	-0.01
11	SURR	2-Methylnaphthalene-d10	0.400	0.397	0.8	143	0.00
12		2-Methylnaphthalene	0.400	0.378	5.5	138	0.00
13	I	Acenaphthene-d10	0.400	0.400	0.0	121	-0.01
14	S	2,4,6-Tribromophenol	0.400	0.331	17.3	111	0.00
15	S	2-Fluorobiphenyl	0.400	0.413	-3.2	125	0.00
16		Acenaphthylene	0.400	0.387	3.3	123	-0.01
17		Acenaphthene	0.400	0.405	-1.3	126	-0.01
18		Fluorene	0.400	0.367	8.3	115	-0.01
19	I	Phenanthrene-d10	0.400	0.400	0.0	97	0.00
20		4,6-Dinitro-2-methylphenol	0.400	0.110	72.5#	29	0.01
21		4-Bromophenyl-phenylether	0.400	0.393	1.8	98	-0.01
22		Hexachlorobenzene	0.400	0.487	-21.7	119	-0.01
23		Atrazine	0.400	0.414	-3.5	108	0.00
24		Pentachlorophenol	0.400	0.370	7.5	112	0.00
25		Phenanthrene	0.400	0.391	2.3	97	0.00
26		Anthracene	0.400	0.378	5.5	97	0.00
27	SURR	Fluoranthene-d10	0.400	0.379	5.3	96	0.00
28		Fluoranthene	0.400	0.353	11.8	89	0.00
29	I	Chrysene-d12	0.400	0.400	0.0	81	0.00
30		Pyrene	0.400	0.438	-9.5	89	0.00
31	S	Terphenyl-d14	0.400	0.452	-13.0	91	0.00
32		Benzo(a)anthracene	0.400	0.351	12.3	73	0.00
33		Chrysene	0.400	0.429	-7.2	87	0.00
34		Bis(2-ethylhexyl)phthalate	0.400	0.434	-8.5	94	0.00
35	I	Perylene-d12	0.400	0.400	0.0	73	0.00
36		Indeno(1,2,3-cd)pyrene	0.400	0.404	-1.0	75	0.00
37		Benzo(b)fluoranthene	0.400	0.472	-18.0	96	0.00
38		Benzo(k)fluoranthene	0.400	0.406	-1.5	76	0.00
39	C	Benzo(a)pyrene	0.400	0.389	2.8	75	0.00
40		Dibenzo(a,h)anthracene	0.400	0.389	2.8	74	0.00
41		Benzo(g,h,i)perylene	0.400	0.438	-9.5	83	0.00

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

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: P5261 SAS No.: P5261 SDG No.: P5261

Instrument ID: BNA_N Calibration Date/Time: 12/21/2024 05:10

Lab File ID: BN035765.D Init. Calib. Date(s): 11/27/2024 11/27/2024

EPA Sample No.: SSTDCCC0.4EC Init. Calib. Time(s): 15:34 19:09

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.626	0.578		-7.7	50.0
Fluoranthene-d10	1.134	0.989		-12.8	50.0
2-Fluorophenol	1.001	0.960		-4.1	50.0
Phenol-d6	1.204	1.094		-9.1	50.0
Nitrobenzene-d5	0.244	0.284		16.4	50.0
2-Fluorobiphenyl	1.512	1.389		-8.1	50.0
2,4,6-Tribromophenol	0.284	0.215		-24.3	50.0
Terphenyl-d14	0.789	0.863		9.4	50.0
1,4-Dioxane	0.382	0.439		14.9	50.0

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035765.D
Acq On : 21 Dec 2024 05:10
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 56 Sample Multiplier: 1

Quant Time: Dec 21 05:39:14 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.264	152	3545	0.400	ng	0.00
7) Naphthalene-d8	10.009	136	9106	0.400	ng	#-0.01
13) Acenaphthene-d10	13.924	164	5821	0.400	ng	-0.01
19) Phenanthrene-d10	16.698	188	12321	0.400	ng	# 0.00
29) Chrysene-d12	20.947	240	9836	0.400	ng	# 0.00
35) Perylene-d12	23.035	264	10740	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.932	112	3403	0.384	ng	0.00
5) Phenol-d6	6.477	99	3879	0.364	ng	-0.01
8) Nitrobenzene-d5	8.408	82	2582m	0.464	ng	0.00
11) 2-Methylnaphthalene-d10	11.616	152	5263	0.369	ng	0.00
14) 2,4,6-Tribromophenol	15.453	330	1253	0.303	ng	0.00
15) 2-Fluorobiphenyl	12.538	172	8084	0.367	ng	0.00
27) Fluoranthene-d10	18.757	212	12191	0.349	ng	0.00
31) Terphenyl-d14	19.388	244	8488	0.437	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.982	88	1555	0.459	ng	96
3) n-Nitrosodimethylamine	3.278	42	1104	0.391	ng	# 93
6) bis(2-Chloroethyl)ether	6.723	93	3165	0.353	ng	98
9) Naphthalene	10.063	128	9097	0.379	ng	100
10) Hexachlorobutadiene	10.351	225	2300	0.415	ng	# 99
12) 2-Methylnaphthalene	11.692	142	6016	0.350	ng	99
16) Acenaphthylene	13.636	152	8764	0.359	ng	99
17) Acenaphthene	13.989	154	6047	0.373	ng	98
18) Fluorene	14.993	166	7942	0.342	ng	100
20) 4,6-Dinitro-2-methylph...	15.132	198	142	0.117	ng	# 1
21) 4-Bromophenyl-phenylether	15.904	248	2531	0.351	ng	# 83
22) Hexachlorobenzene	16.003	284	3667	0.433	ng	97
23) Atrazine	16.202	200	1895	0.369	ng	96
24) Pentachlorophenol	16.376	266	1177	0.320	ng	# 86
25) Phenanthrene	16.735	178	12350	0.365	ng	99
26) Anthracene	16.835	178	10612	0.347	ng	99
28) Fluoranthene	18.789	202	15375	0.337	ng	99
30) Pyrene	19.156	202	15587	0.429	ng	100
32) Benzo(a)anthracene	20.938	228	11659	0.339	ng	100
33) Chrysene	20.991	228	14263	0.402	ng	99
34) Bis(2-ethylhexyl)phtha...	20.902	149	5697	0.419	ng	99
36) Indeno(1,2,3-cd)pyrene	25.064	276	15666	0.373	ng	99
37) Benzo(b)fluoranthene	22.427	252	19003	0.484	ng	98
38) Benzo(k)fluoranthene	22.468	252	15020m	0.388	ng	
39) Benzo(a)pyrene	22.947	252	11742	0.363	ng	94
40) Dibenzo(a,h)anthracene	25.079	278	11661	0.352	ng	97
41) Benzo(g,h,i)perylene	25.675	276	14236	0.411	ng	99

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

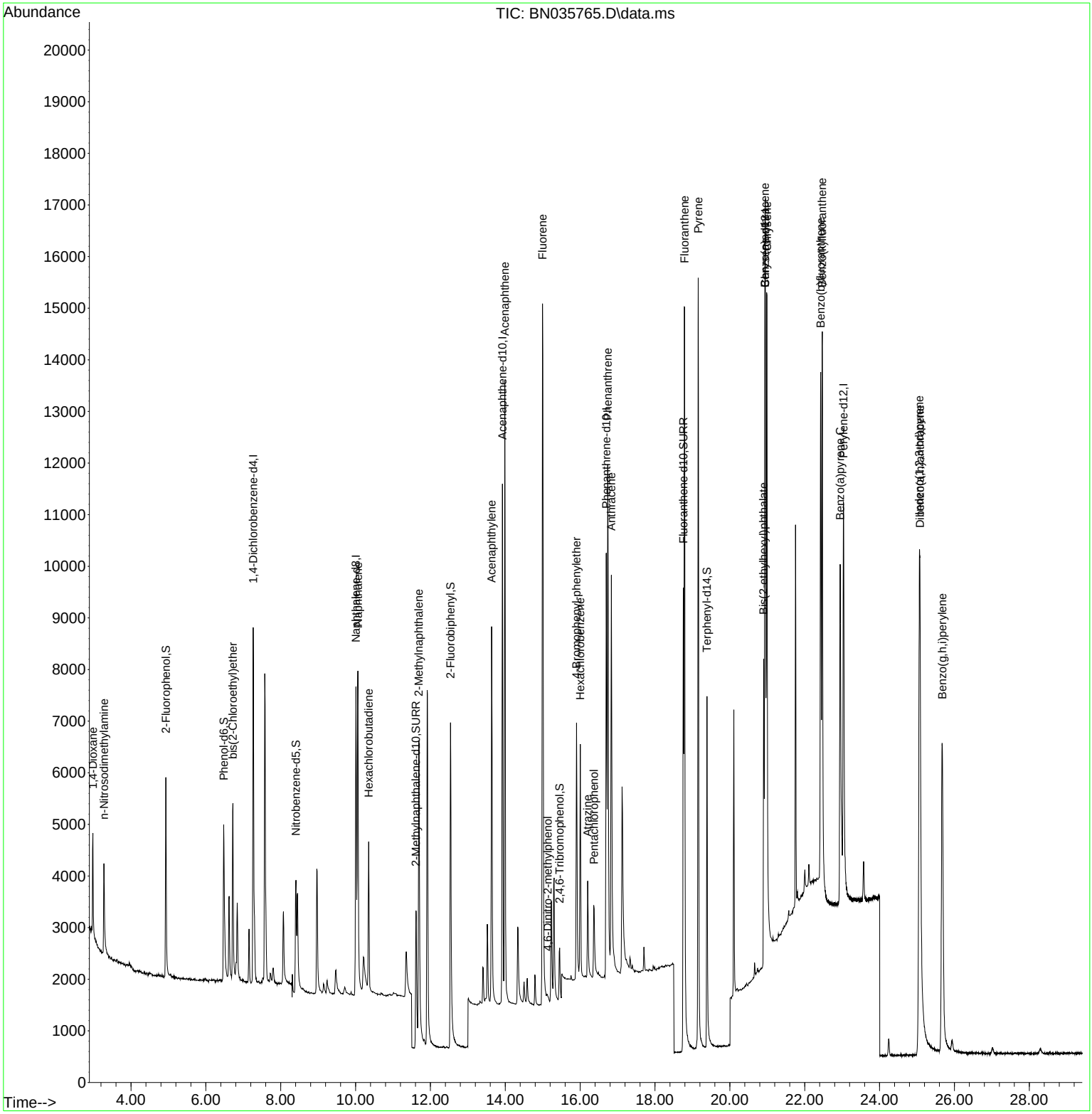
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035765.D
Acq On : 21 Dec 2024 05:10
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 56 Sample Multiplier: 1

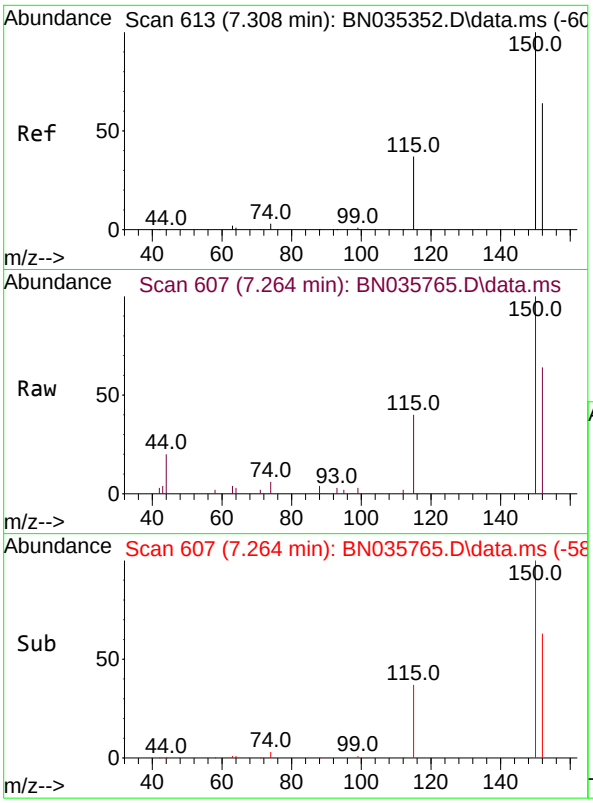
Quant Time: Dec 21 05:39:14 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

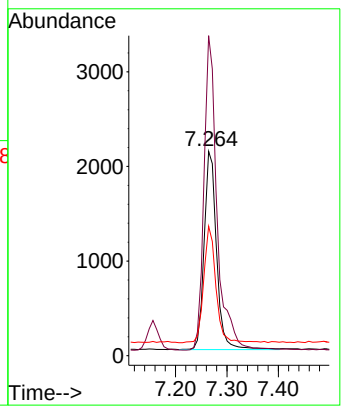




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.264 min Scan# 6
Delta R.T. -0.008 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Tgt Ion:152 Resp: 354

Ion	Ratio	Lower	Upper
152	100		
150	156.6	124.0	186.0
115	63.3	49.6	74.4



Instrument :
BNA_N
ClientSampleId :
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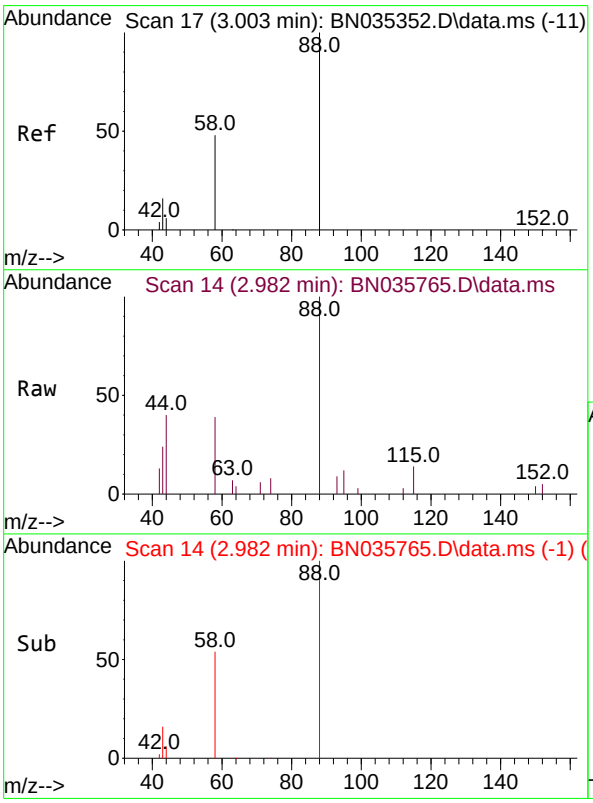
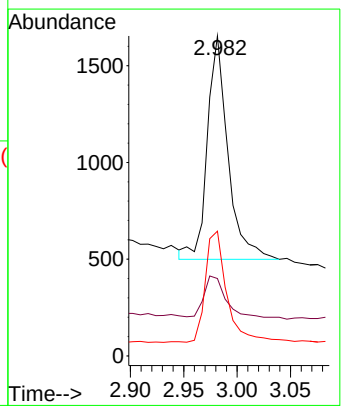
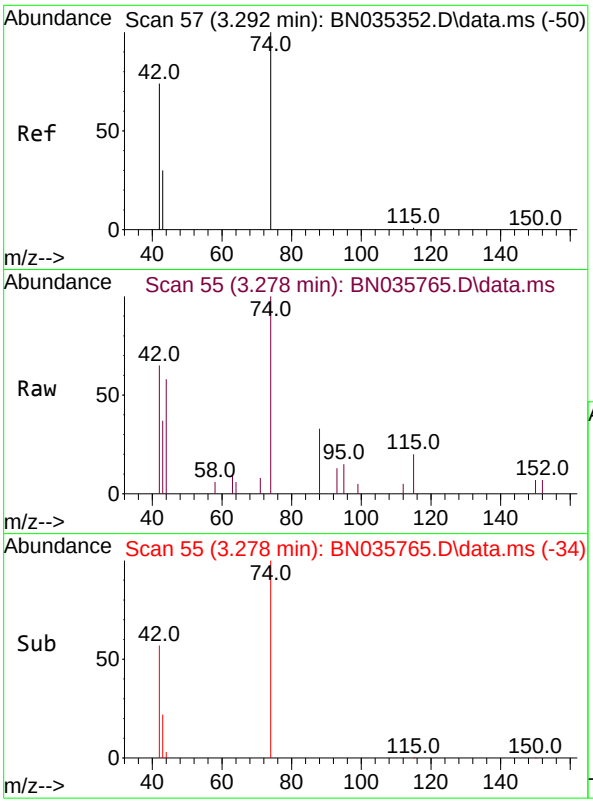


#2
1,4-Dioxane
Concen: 0.459 ng
RT: 2.982 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Tgt Ion: 88 Resp: 1555

Ion	Ratio	Lower	Upper
88	100		
43	22.1	17.2	25.8
58	52.2	44.5	66.7

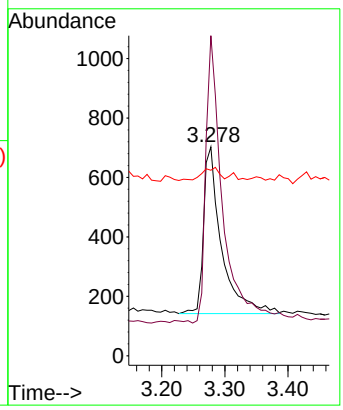




#3
n-Nitrosodimethylamine
Concen: 0.391 ng
RT: 3.278 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Tgt Ion: 42 Resp: 110

Ion	Ratio	Lower	Upper
42	100		
74	165.7	124.9	187.3
44	6.3	2.2	3.4



Instrument :
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ClientSampleId :
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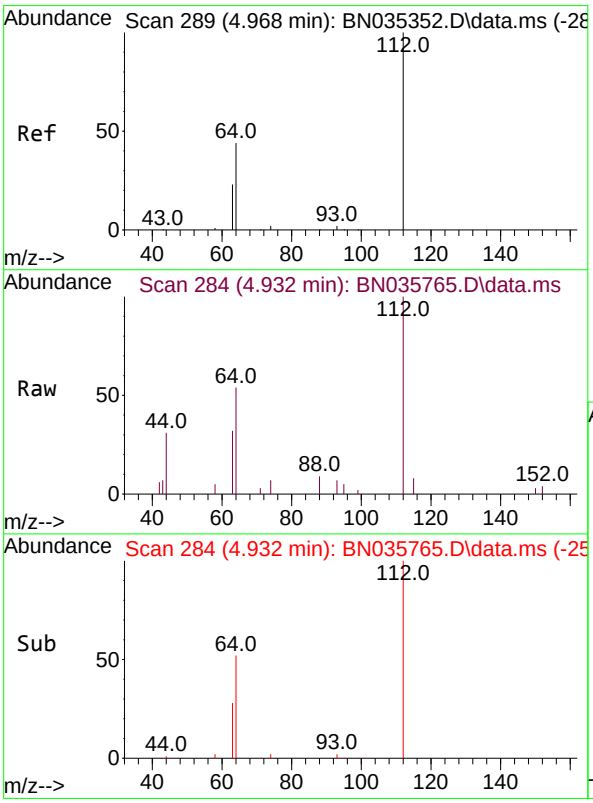
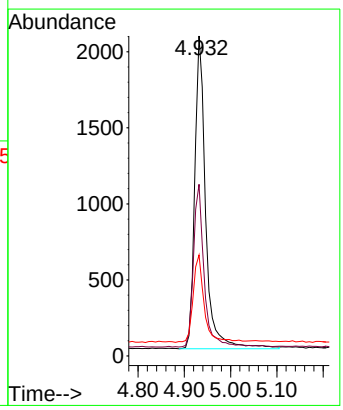
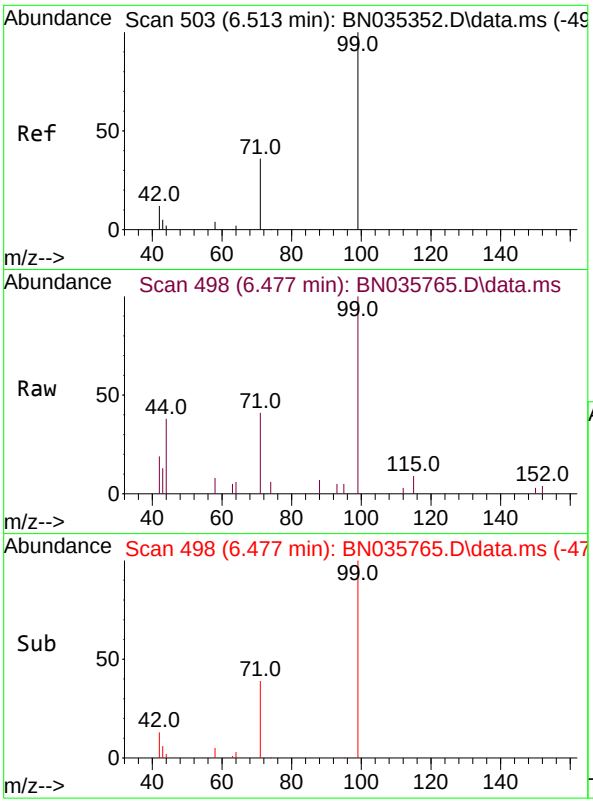


#4
2-Fluorophenol
Concen: 0.384 ng
RT: 4.932 min Scan# 284
Delta R.T. -0.007 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Tgt Ion:112 Resp: 3403

Ion	Ratio	Lower	Upper
112	100		
64	51.2	39.8	59.8
63	28.0	21.0	31.6

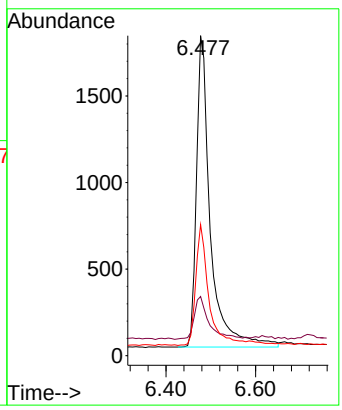




#5
Phenol-d6
Concen: 0.364 ng
RT: 6.477 min Scan# 4
Delta R.T. -0.015 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Tgt Ion: 99 Resp: 387

Ion	Ratio	Lower	Upper
99	100		
42	14.6	11.4	17.2
71	35.9	29.3	43.9



Instrument :
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ClientSampleId :
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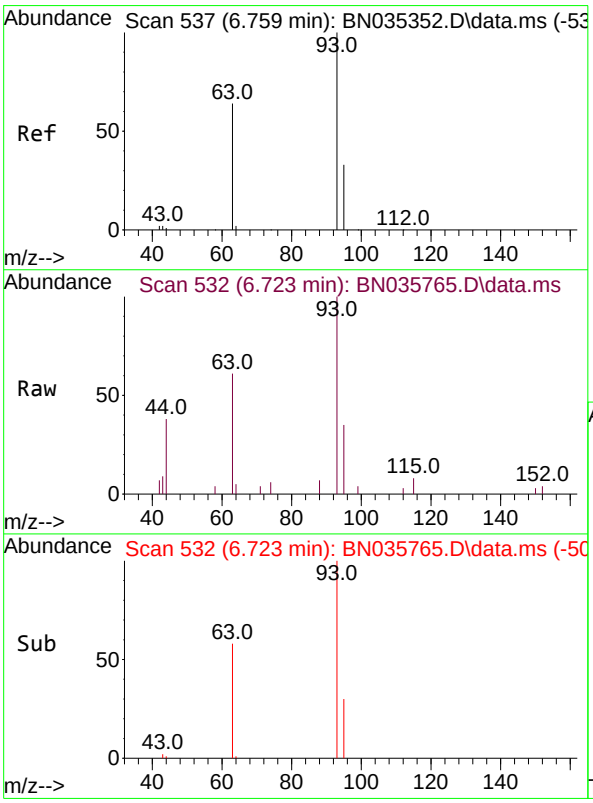
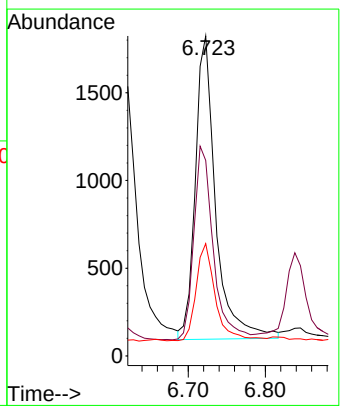
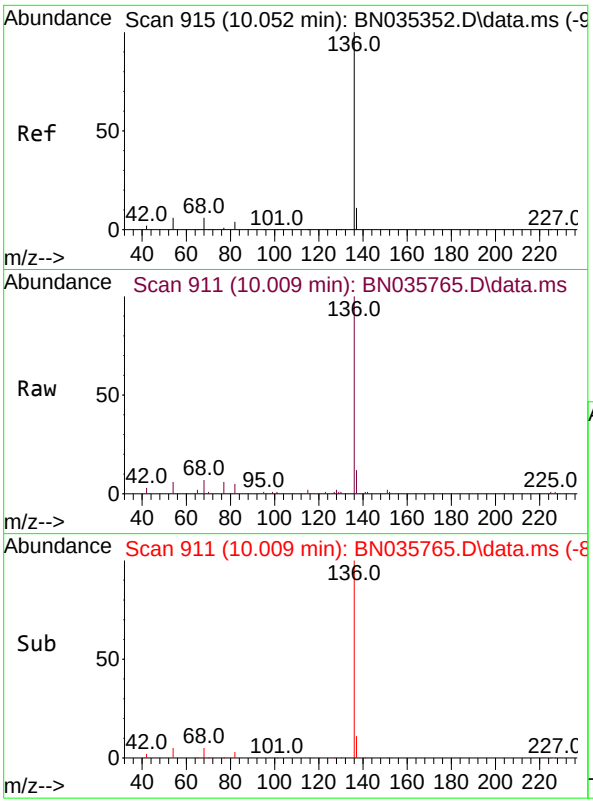


#6
bis(2-Chloroethyl)ether
Concen: 0.353 ng
RT: 6.723 min Scan# 532
Delta R.T. -0.007 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Tgt Ion: 93 Resp: 3165

Ion	Ratio	Lower	Upper
93	100		
63	61.5	50.4	75.6
95	30.6	25.7	38.5

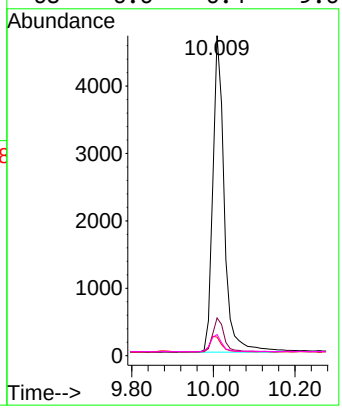




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.009 min Scan# 9
Delta R.T. -0.011 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Tgt Ion:136 Resp: 910

Ion	Ratio	Lower	Upper
136	100		
137	11.8	10.2	15.2
54	5.8	6.1	9.1
68	6.6	6.4	9.6



Instrument :
BNA_N
ClientSampleId :
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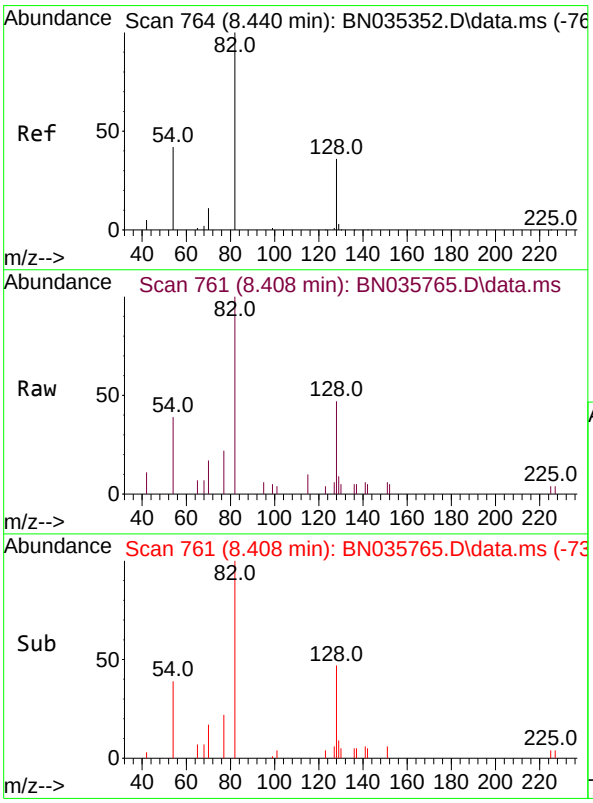
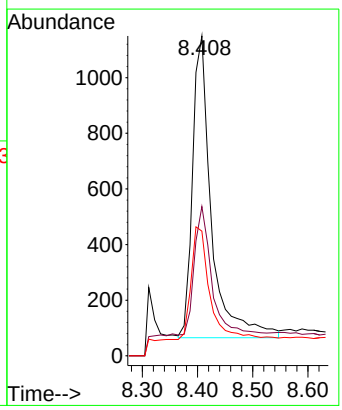
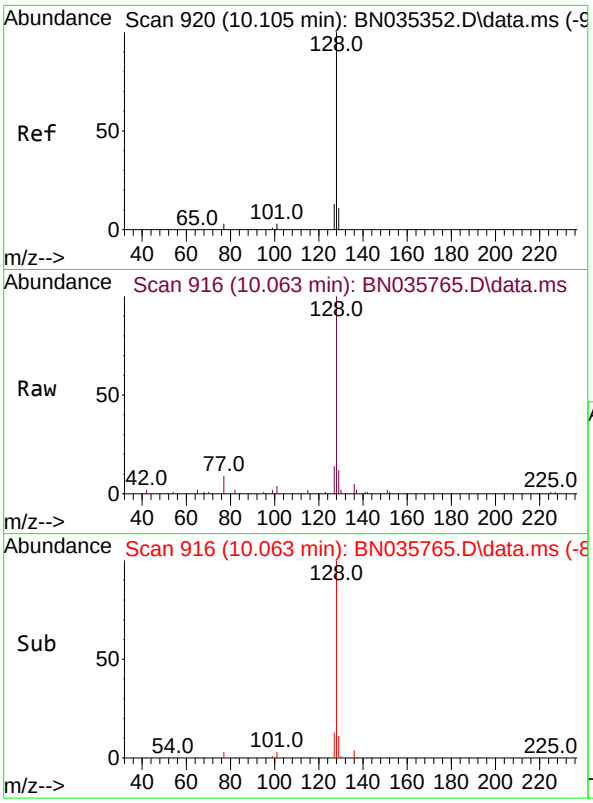


#8
Nitrobenzene-d5
Concen: 0.464 ng m
RT: 8.408 min Scan# 761
Delta R.T. -0.000 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Tgt Ion: 82 Resp: 2582

Ion	Ratio	Lower	Upper
82	100		
128	46.7	33.4	50.0
54	39.0	36.7	55.1

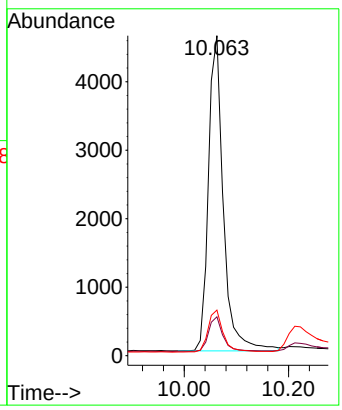




#9
Naphthalene
Concen: 0.379 ng
RT: 10.063 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Tgt Ion:128 Resp: 909

Ion	Ratio	Lower	Upper
128	100		
129	12.2	9.8	14.6
127	14.3	11.4	17.2



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

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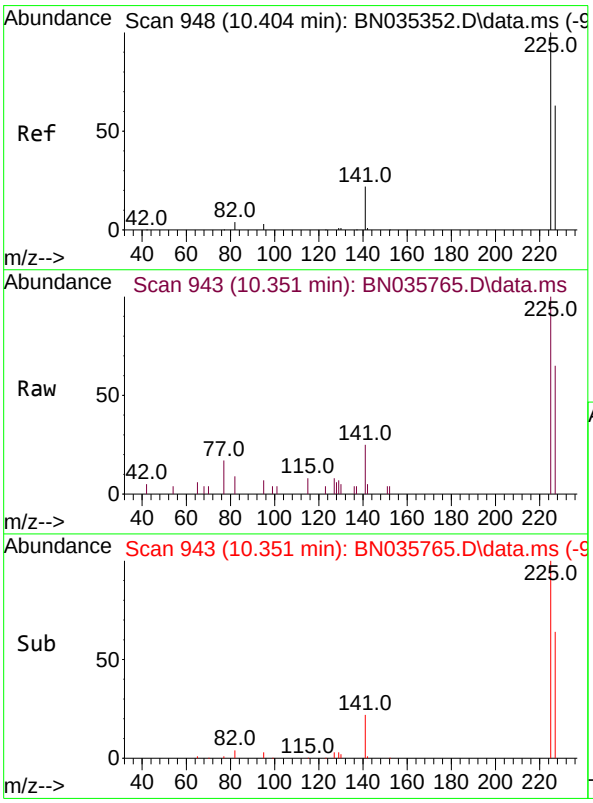
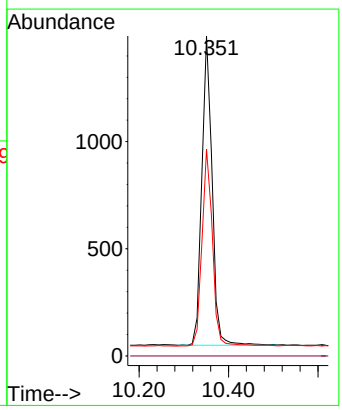
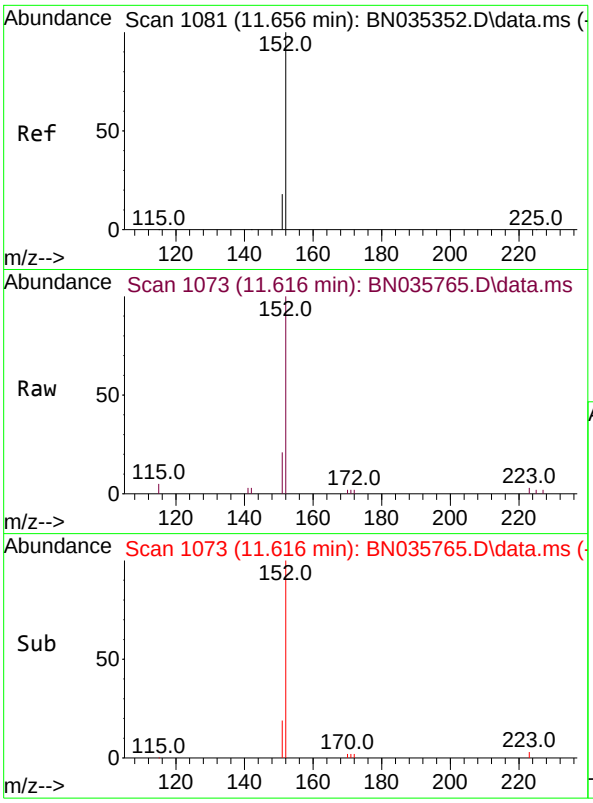


#10
Hexachlorobutadiene
Concen: 0.415 ng
RT: 10.351 min Scan# 943
Delta R.T. -0.011 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Tgt Ion:225 Resp: 2300

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	65.0	51.3	76.9





#11
2-Methylnaphthalene-d10
Concen: 0.369 ng
RT: 11.616 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Tgt Ion:152 Resp: 526

Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.6	25.0

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

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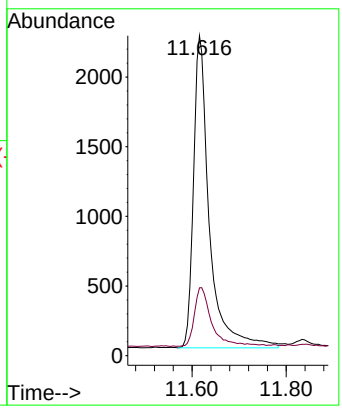
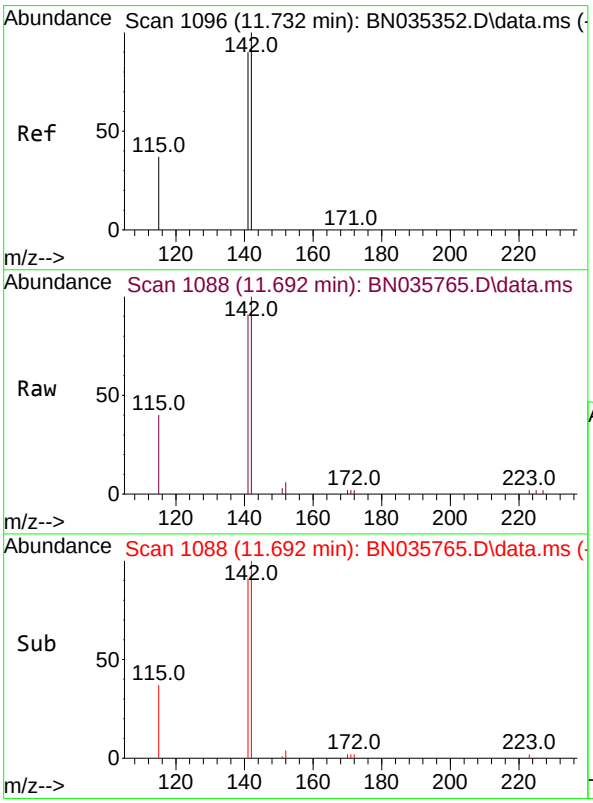
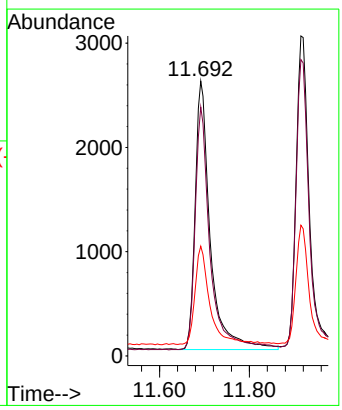


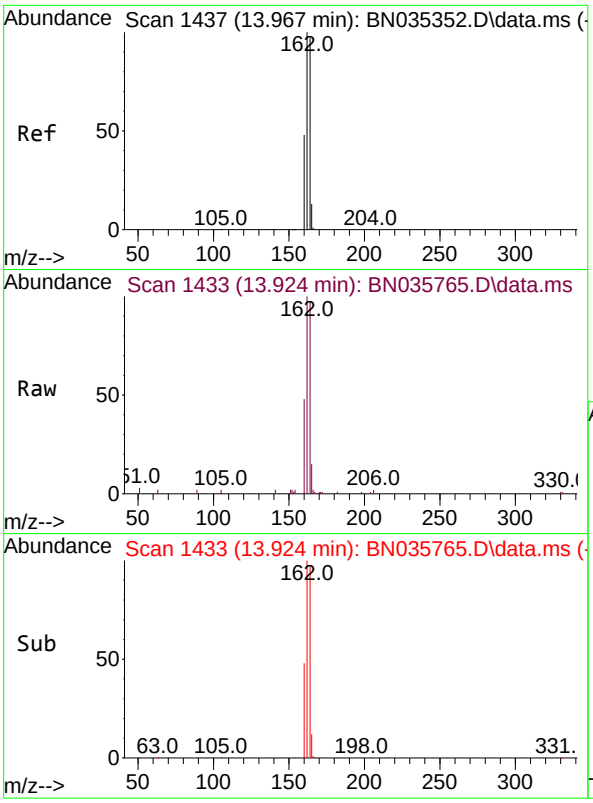


#12
2-Methylnaphthalene
Concen: 0.350 ng
RT: 11.692 min Scan# 1088
Delta R.T. -0.005 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Tgt Ion:142 Resp: 6016

Ion	Ratio	Lower	Upper
142	100		
141	90.5	72.2	108.4
115	39.9	31.4	47.0

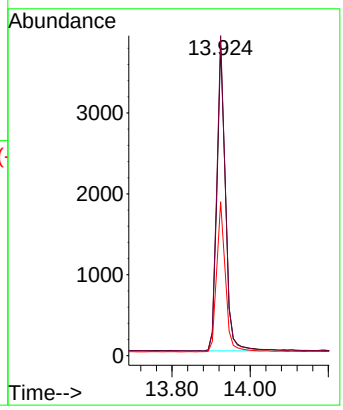




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.924 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Tgt Ion:164 Resp: 582

Ion	Ratio	Lower	Upper
164	100		
162	103.2	82.2	123.2
160	49.6	40.1	60.1



Instrument :
BNA_N
ClientSampleId :
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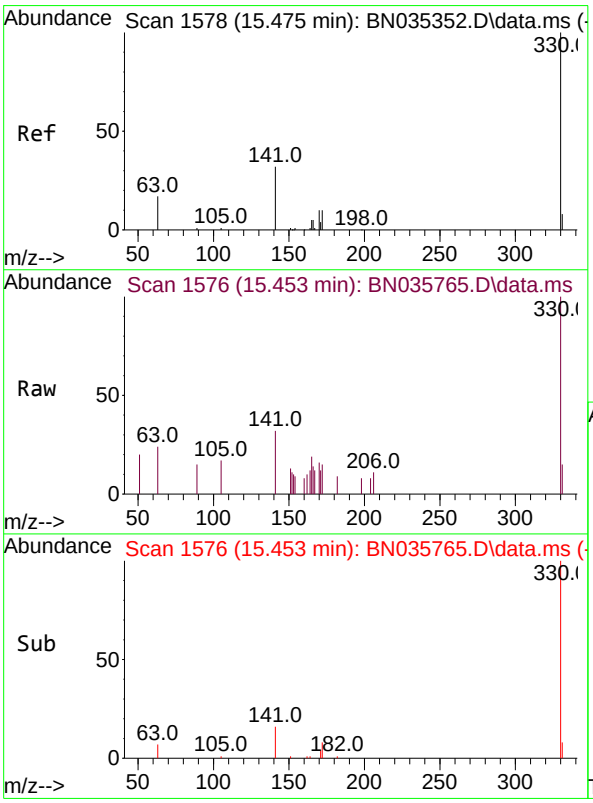
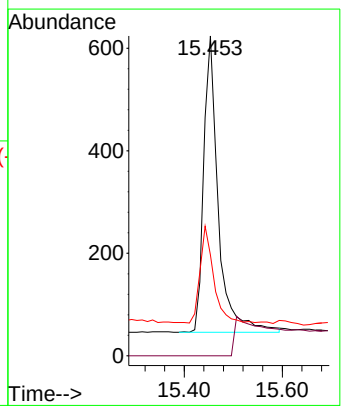
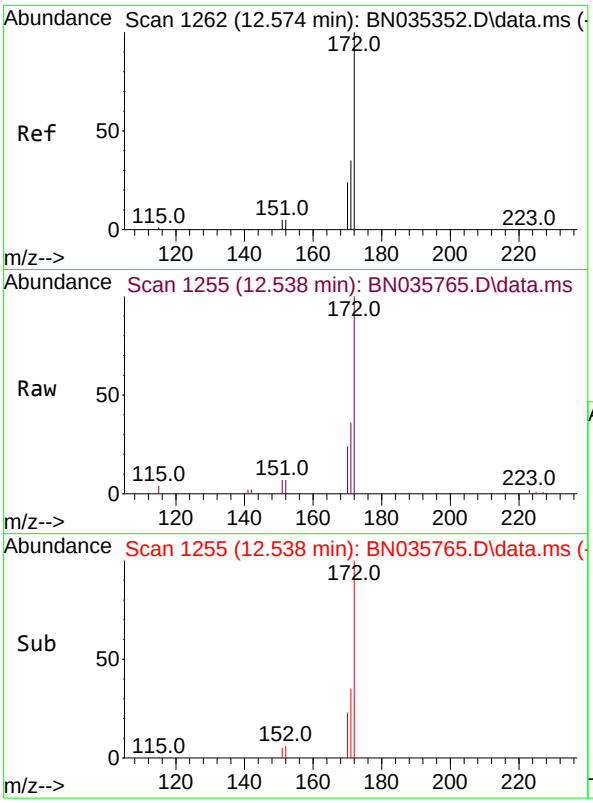


#14
2,4,6-Tribromophenol
Concen: 0.303 ng
RT: 15.453 min Scan# 1576
Delta R.T. -0.000 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Tgt Ion:330 Resp: 1253

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	29.6	26.6	40.0

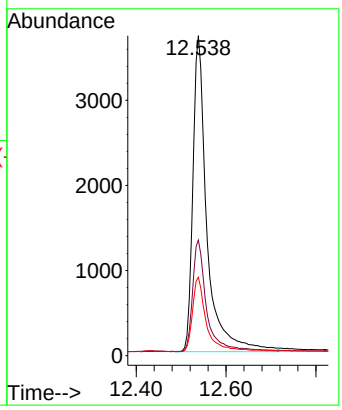




#15
2-Fluorobiphenyl
Concen: 0.367 ng
RT: 12.538 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Tgt Ion:172 Resp: 808

Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.0	43.4
170	24.5	19.8	29.8



Instrument :
BNA_N
ClientSampleId :
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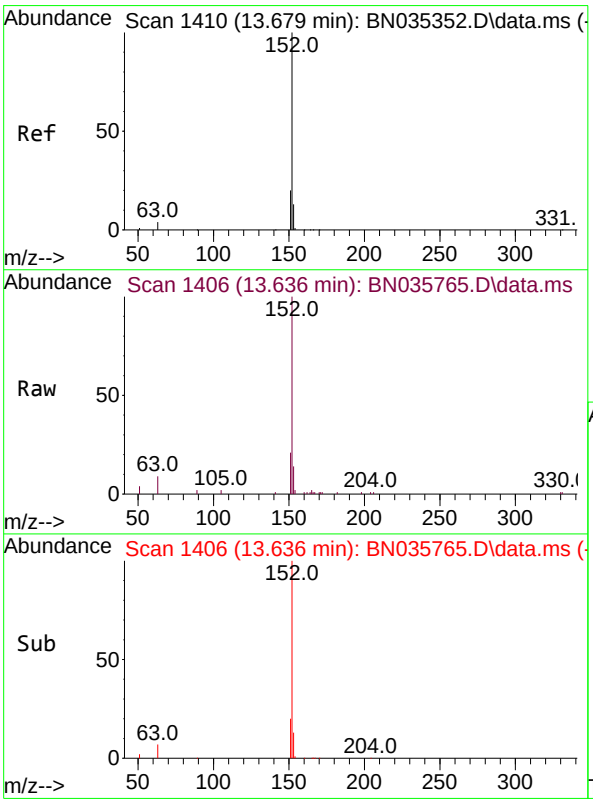
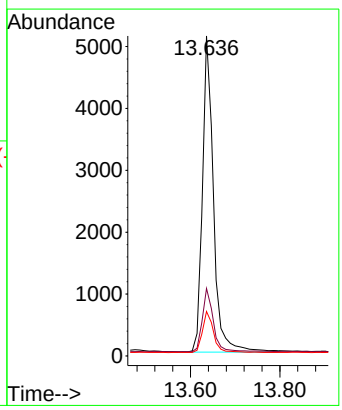
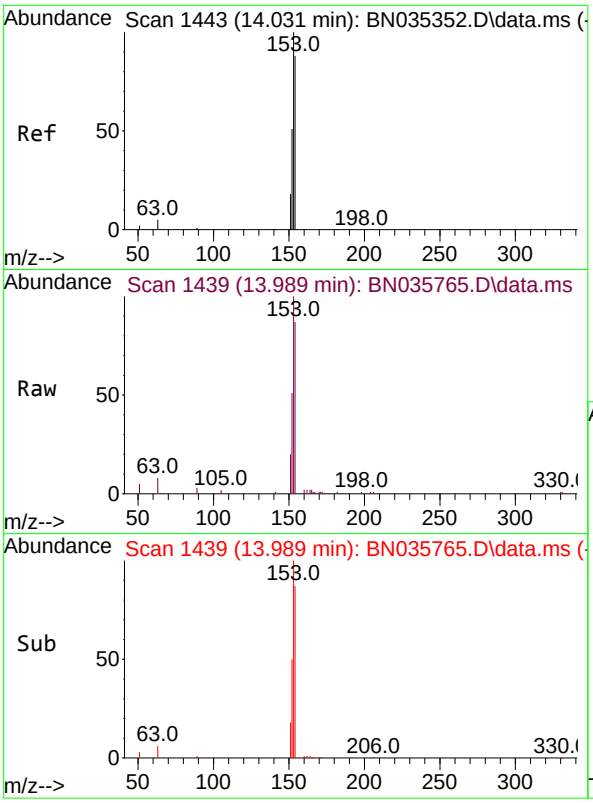


#16
Acenaphthylene
Concen: 0.359 ng
RT: 13.636 min Scan# 1406
Delta R.T. -0.011 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Tgt Ion:152 Resp: 8764

Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.2	24.2
153	13.0	10.4	15.6

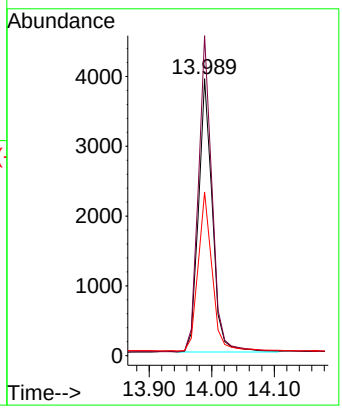




#17
Acenaphthene
Concen: 0.373 ng
RT: 13.989 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Tgt Ion:154 Resp: 604

Ion	Ratio	Lower	Upper
154	100		
153	114.7	92.6	139.0
152	58.8	49.0	73.6



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

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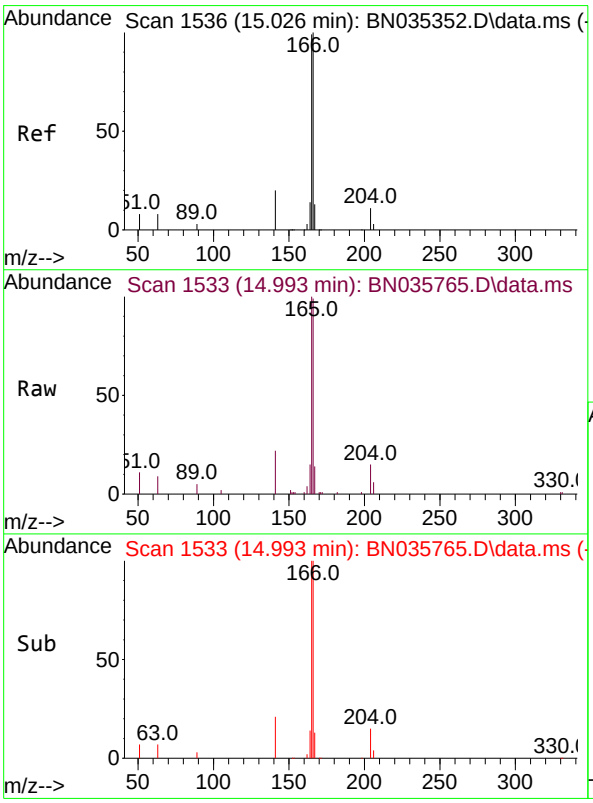
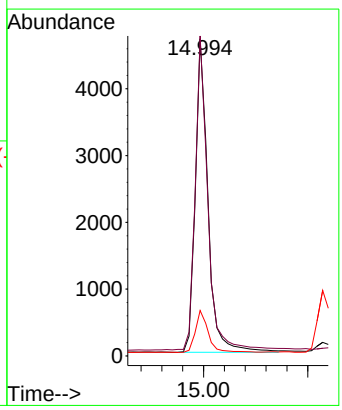
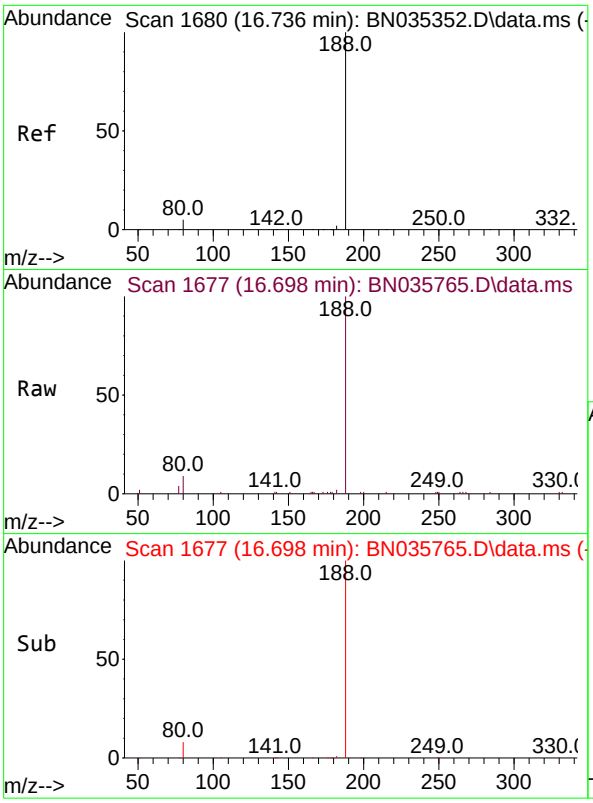


#18
Fluorene
Concen: 0.342 ng
RT: 14.993 min Scan# 1533
Delta R.T. -0.011 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Tgt Ion:166 Resp: 7942

Ion	Ratio	Lower	Upper
166	100		
165	99.1	79.7	119.5
167	13.6	10.8	16.2

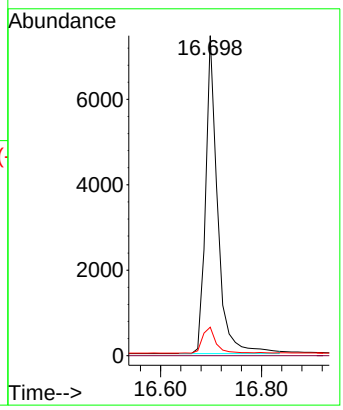




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.698 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Tgt Ion:188 Resp: 1232

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.9	4.6	6.8#



Instrument :
BNA_N
ClientSampleId :
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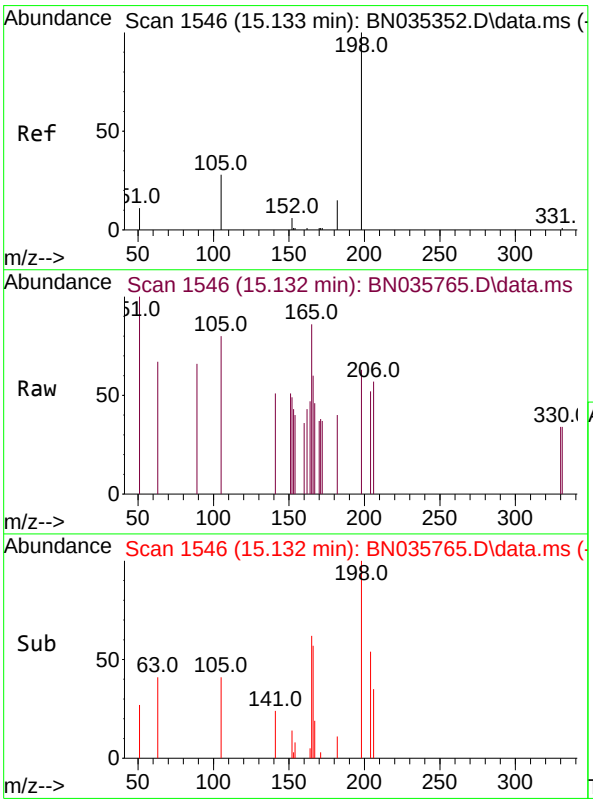
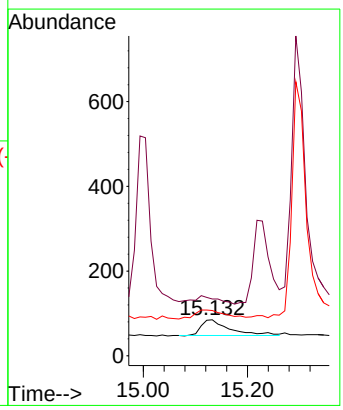
Supervised By :mohammad ahmed 12/24/2024

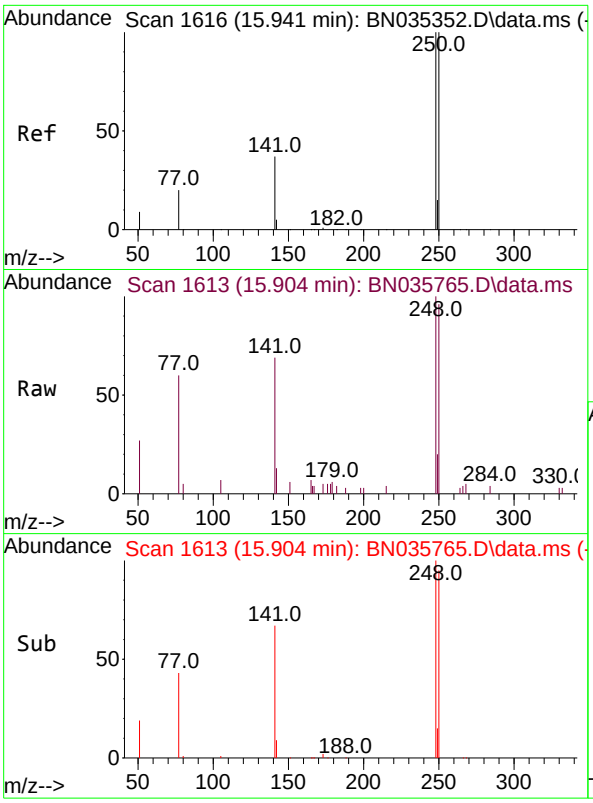


#20
4,6-Dinitro-2-methylphenol
Concen: 0.117 ng
RT: 15.132 min Scan# 1546
Delta R.T. 0.011 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Tgt Ion:198 Resp: 142

Ion	Ratio	Lower	Upper
198	100		
51	157.6	46.5	69.7#
105	125.9	45.3	67.9#

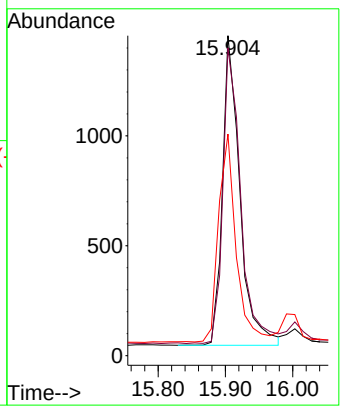




#21
4-Bromophenyl-phenylether
Concen: 0.351 ng
RT: 15.904 min Scan# 1(
Delta R.T. -0.013 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Tgt Ion:248 Resp: 253

Ion	Ratio	Lower	Upper
248	100		
250	96.2	80.6	120.8
141	69.2	31.5	47.3#



Instrument :
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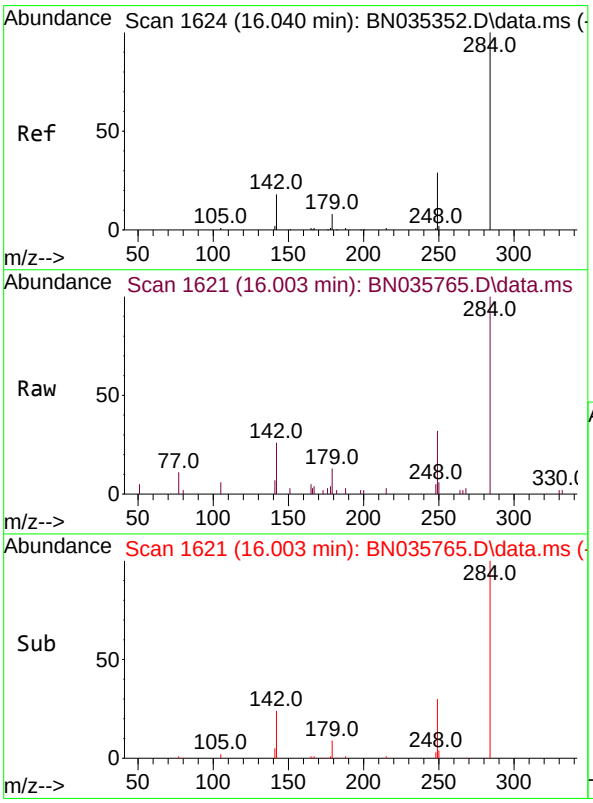
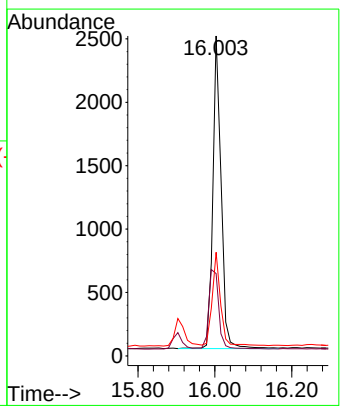
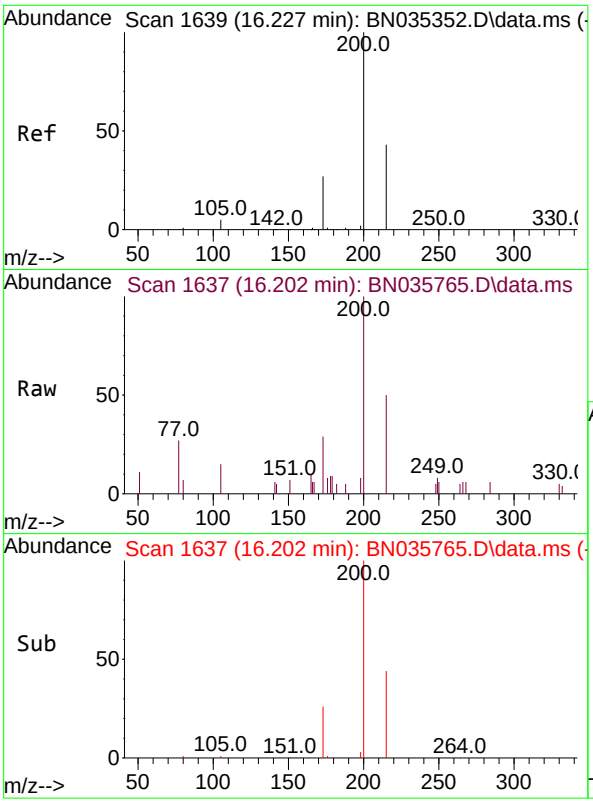


#22
Hexachlorobenzene
Concen: 0.433 ng
RT: 16.003 min Scan# 1621
Delta R.T. -0.013 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Tgt Ion:284 Resp: 3667

Ion	Ratio	Lower	Upper
284	100		
142	30.7	26.7	40.1
249	29.9	24.6	36.8

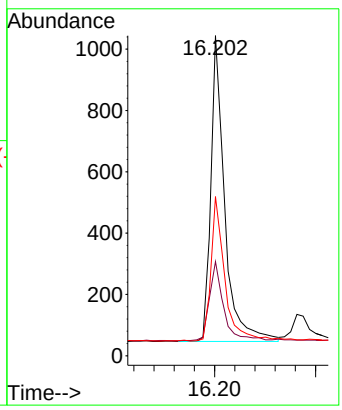




#23
Atrazine
Concen: 0.369 ng
RT: 16.202 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Tgt Ion:200 Resp: 189

Ion	Ratio	Lower	Upper
200	100		
173	29.4	24.1	36.1
215	49.7	36.9	55.3



Instrument :
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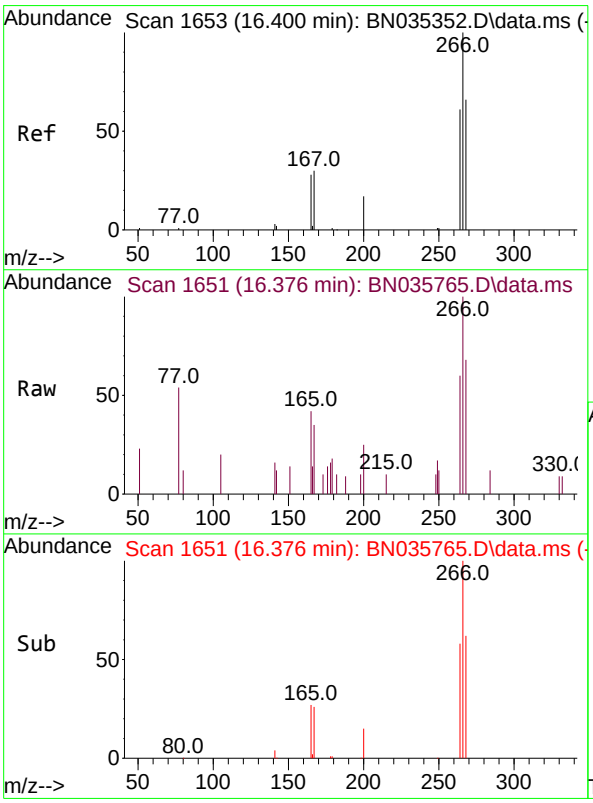
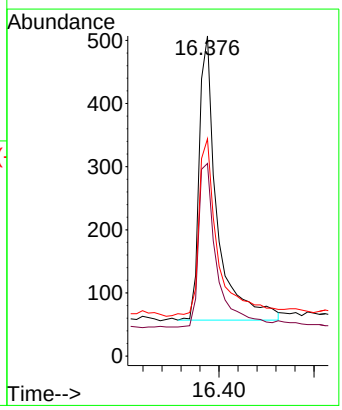
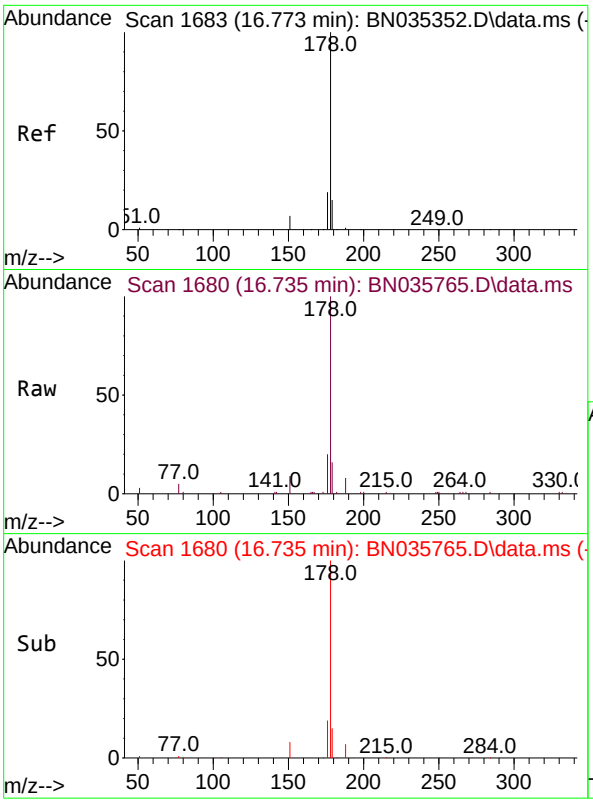


#24
Pentachlorophenol
Concen: 0.320 ng
RT: 16.376 min Scan# 1651
Delta R.T. -0.000 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Tgt Ion:266 Resp: 1177

Ion	Ratio	Lower	Upper
266	100		
264	59.3	42.3	63.5
268	67.2	43.3	64.9#

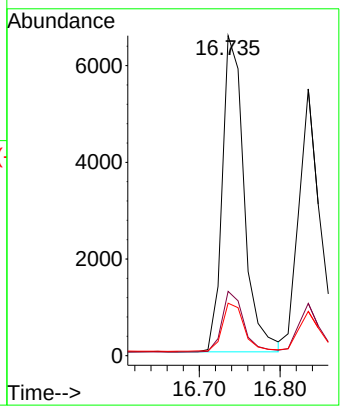




#25
Phenanthrene
Concen: 0.365 ng
RT: 16.735 min Scan# 1(
Delta R.T. -0.013 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Tgt Ion:178 Resp: 1235(

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.2
179	15.4	12.3	18.5



Instrument :
BNA_N
ClientSampleId :
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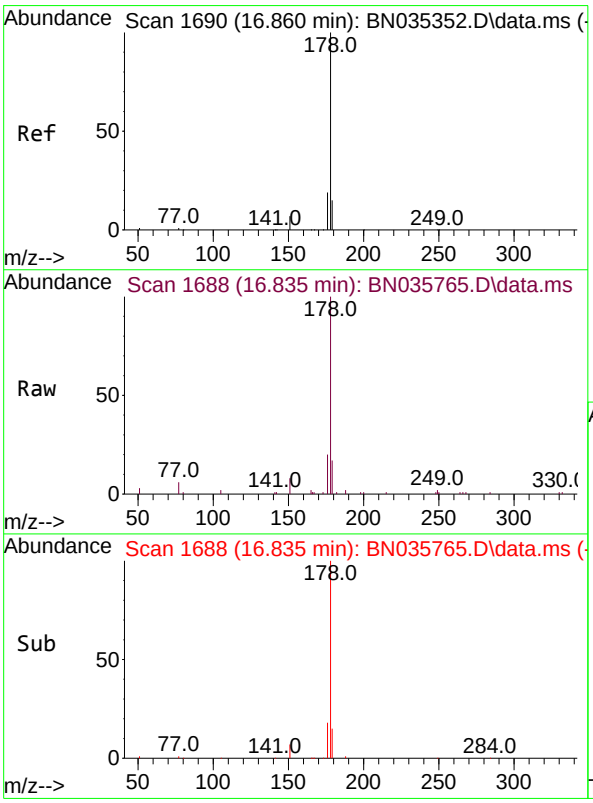
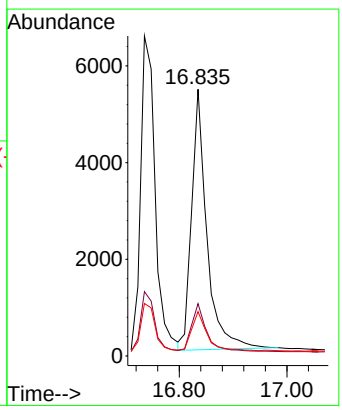
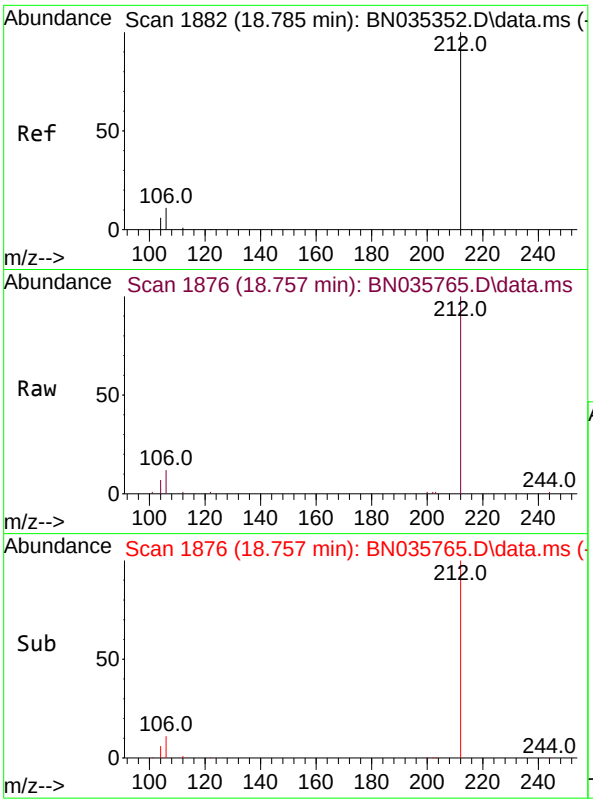


#26
Anthracene
Concen: 0.347 ng
RT: 16.835 min Scan# 1688
Delta R.T. -0.000 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Tgt Ion:178 Resp: 10612

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.0	22.6
179	15.2	12.6	18.8

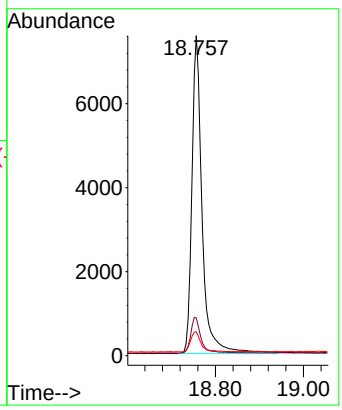




#27
Fluoranthene-d10
Concen: 0.349 ng
RT: 18.757 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Tgt Ion:212 Resp: 1219

Ion	Ratio	Lower	Upper
212	100		
106	11.4	9.2	13.8
104	6.5	5.3	7.9



Instrument :
BNA_N
ClientSampleId :
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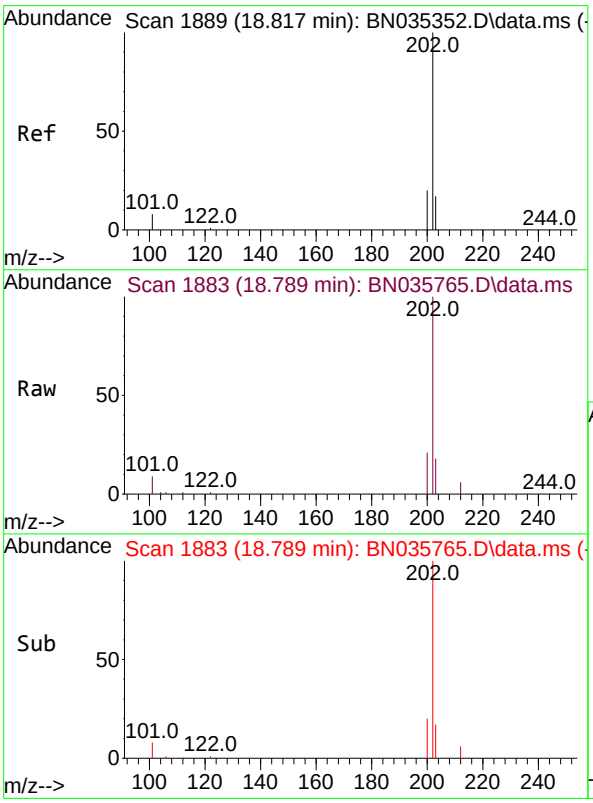
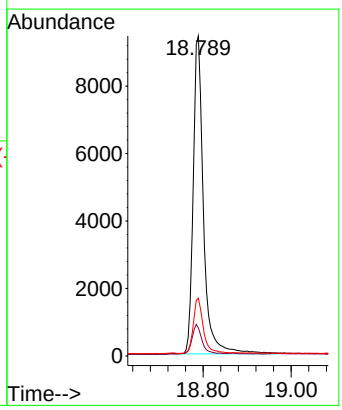
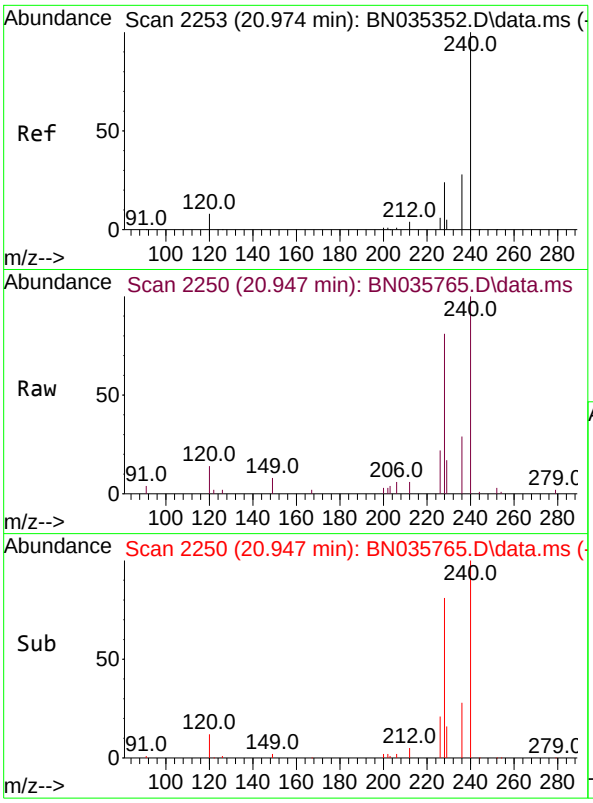


#28
Fluoranthene
Concen: 0.337 ng
RT: 18.789 min Scan# 1883
Delta R.T. -0.000 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Tgt Ion:202 Resp: 15375

Ion	Ratio	Lower	Upper
202	100		
101	9.2	7.4	11.0
203	16.8	13.7	20.5

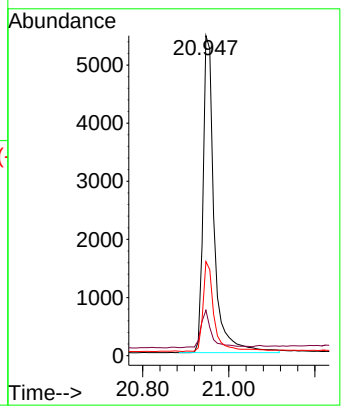




#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.947 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Tgt Ion:240 Resp: 983

Ion	Ratio	Lower	Upper
240	100		
120	14.2	7.9	11.9
236	29.4	22.9	34.3



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

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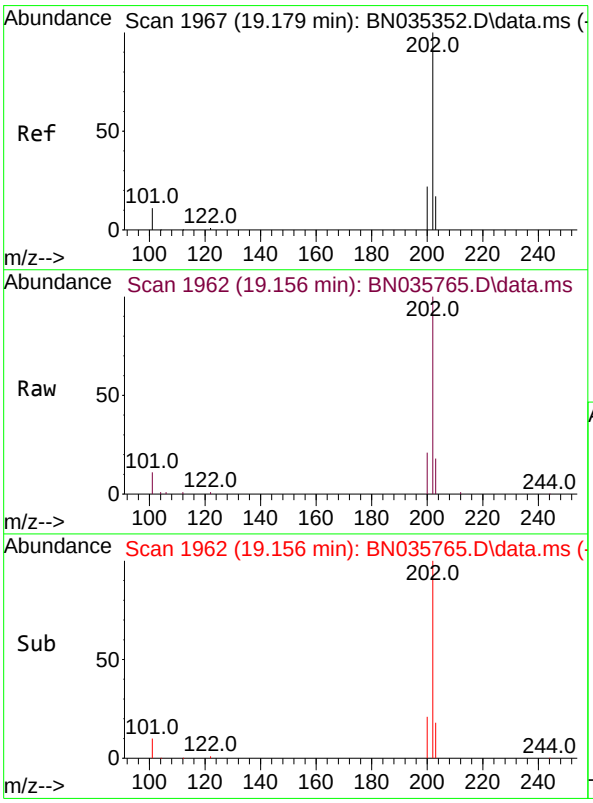
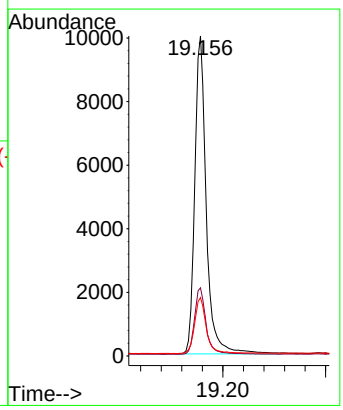
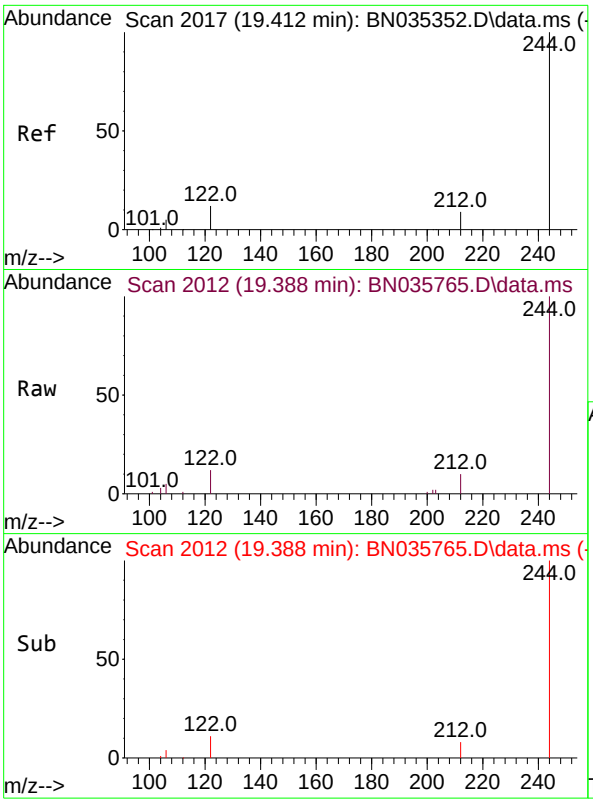


#30
Pyrene
Concen: 0.429 ng
RT: 19.156 min Scan# 1962
Delta R.T. -0.005 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Tgt Ion:202 Resp: 15587

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.0	25.4
203	18.0	14.3	21.5

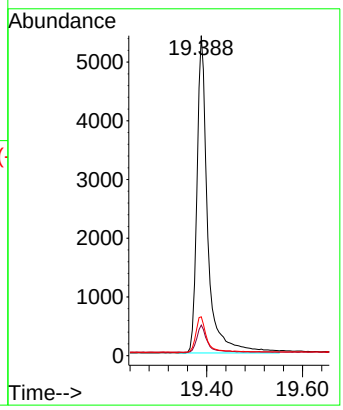




#31
Terphenyl-d14
Concen: 0.437 ng
RT: 19.388 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Tgt Ion:244 Resp: 848

Ion	Ratio	Lower	Upper
244	100		
212	9.6	8.1	12.1
122	12.1	10.3	15.5



Instrument :
BNA_N
ClientSampleId :
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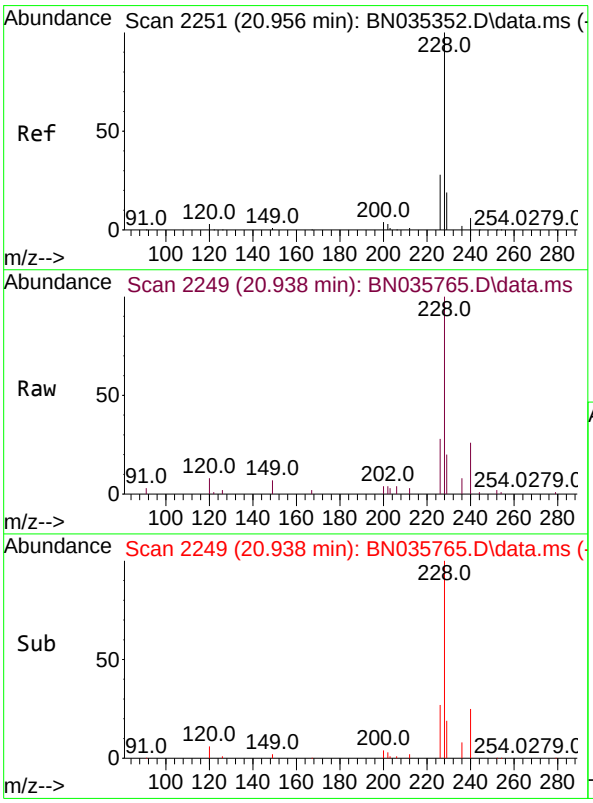
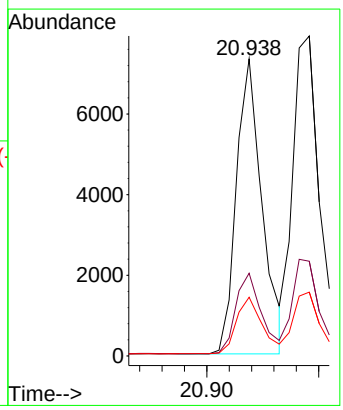
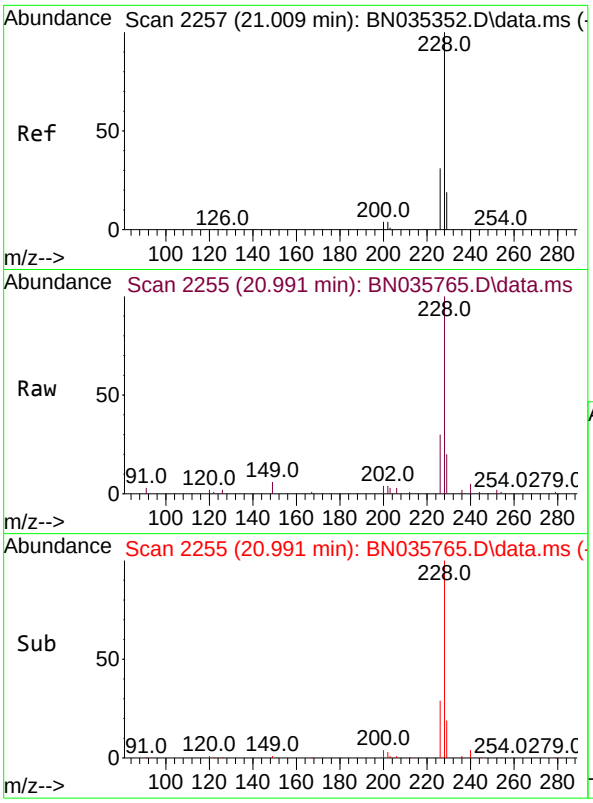


#32
Benzo(a)anthracene
Concen: 0.339 ng
RT: 20.938 min Scan# 2249
Delta R.T. -0.000 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Tgt Ion:228 Resp: 11659

Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.5	33.7
229	19.8	15.8	23.8

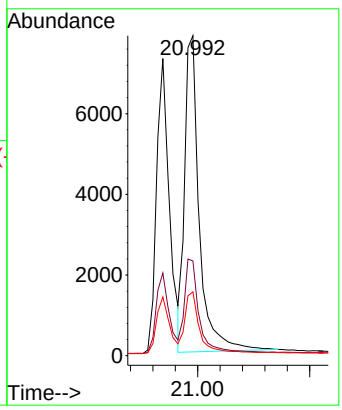




#33
Chrysene
Concen: 0.402 ng
RT: 20.991 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Tgt Ion:228 Resp: 1426

Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.6	37.0
229	20.0	15.9	23.9



Instrument :
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ClientSampleId :
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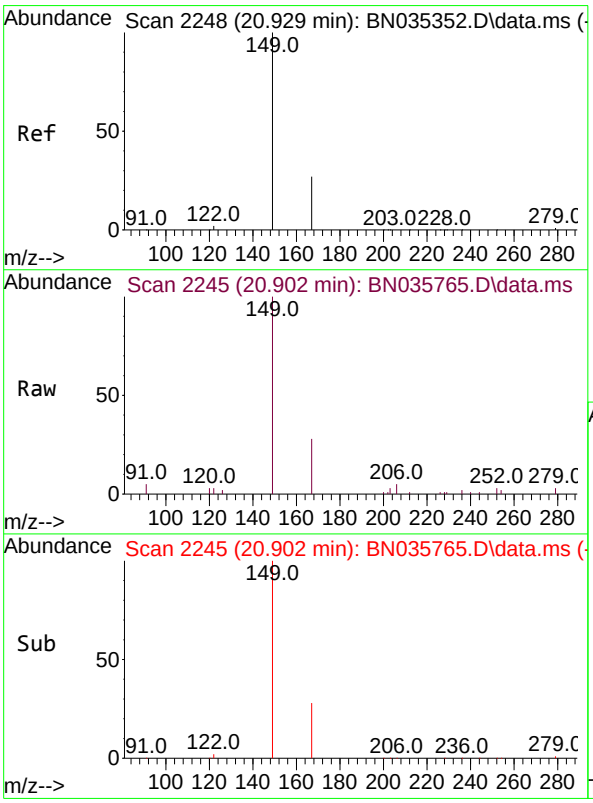
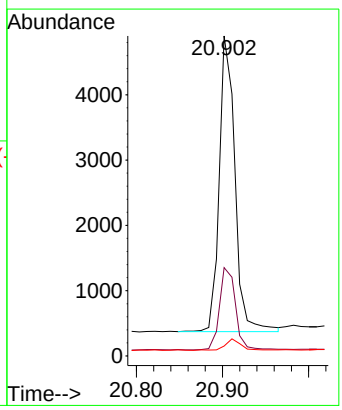
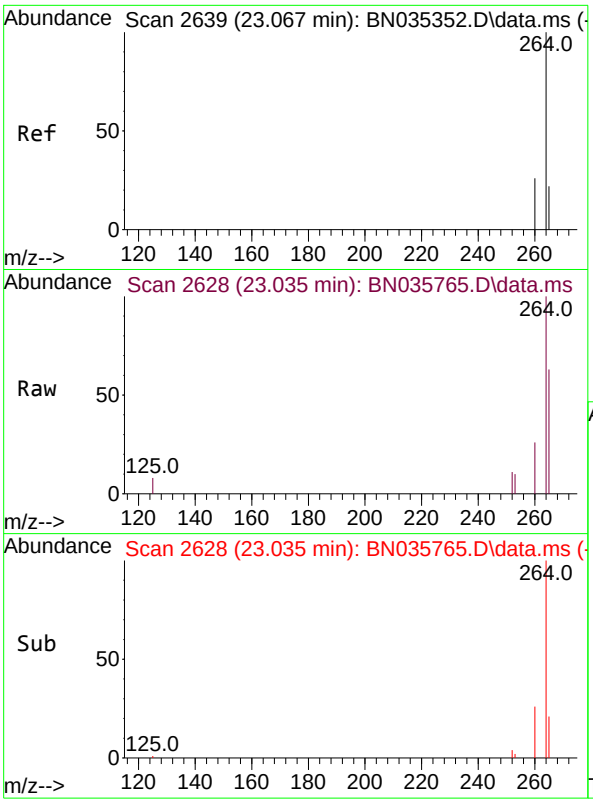


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.419 ng
RT: 20.902 min Scan# 2245
Delta R.T. -0.009 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Tgt Ion:149 Resp: 5697

Ion	Ratio	Lower	Upper
149	100		
167	28.5	22.2	33.4
279	3.9	2.7	4.1

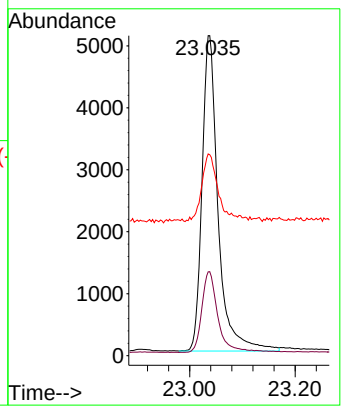




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.035 min Scan# 2
Delta R.T. -0.006 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Tgt Ion:264 Resp: 1074

Ion	Ratio	Lower	Upper
264	100		
260	26.2	21.4	32.2
265	63.0	40.2	60.4



Instrument :
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ClientSampleId :
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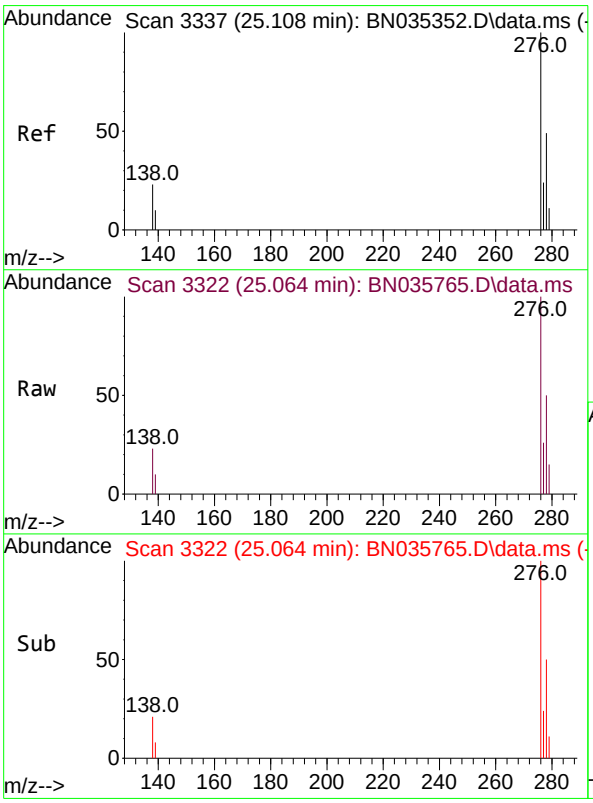
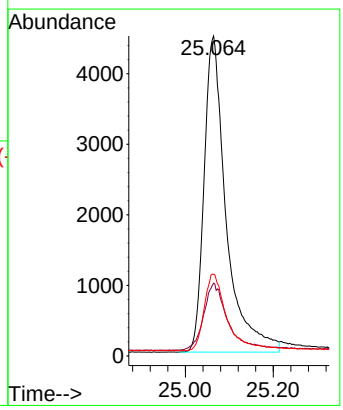
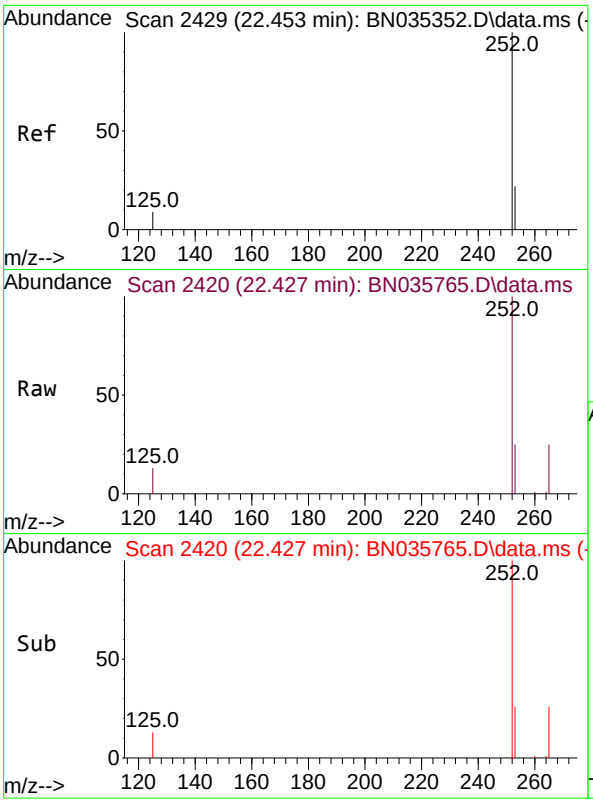


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.373 ng
RT: 25.064 min Scan# 3322
Delta R.T. -0.003 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Tgt Ion:276 Resp: 15666

Ion	Ratio	Lower	Upper
276	100		
138	22.9	19.4	29.0
277	24.7	19.8	29.6





#37
Benzo(b)fluoranthene
Concen: 0.484 ng
RT: 22.427 min Scan# 24
Delta R.T. -0.003 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Tgt Ion:252 Resp: 1900

Ion	Ratio	Lower	Upper
252	100		
253	25.5	19.6	29.4
125	12.7	9.6	14.4

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

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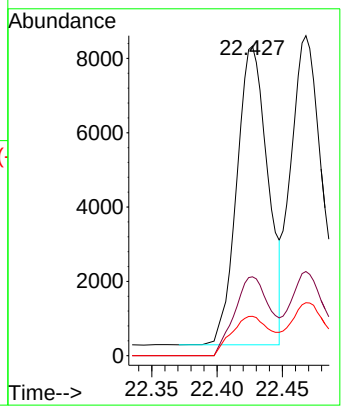
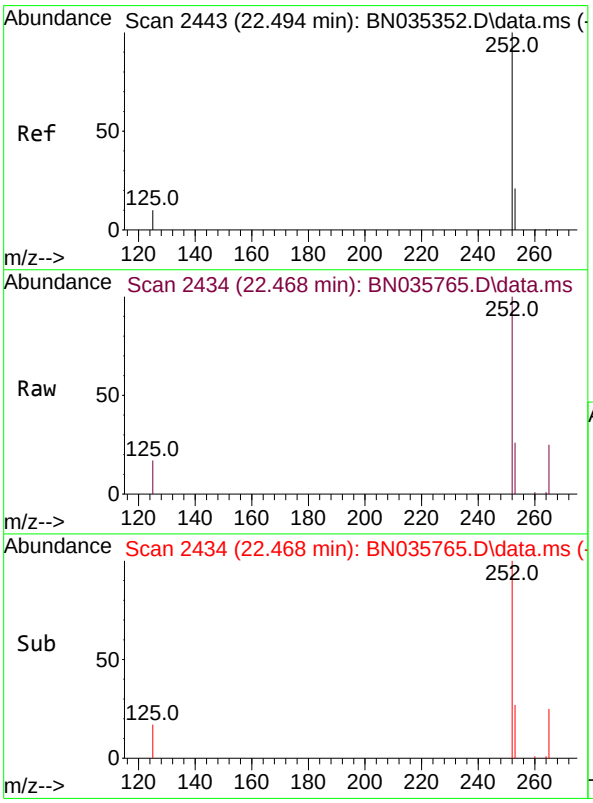
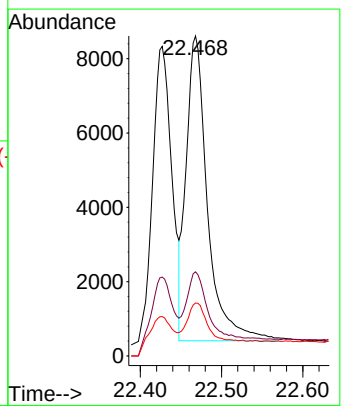


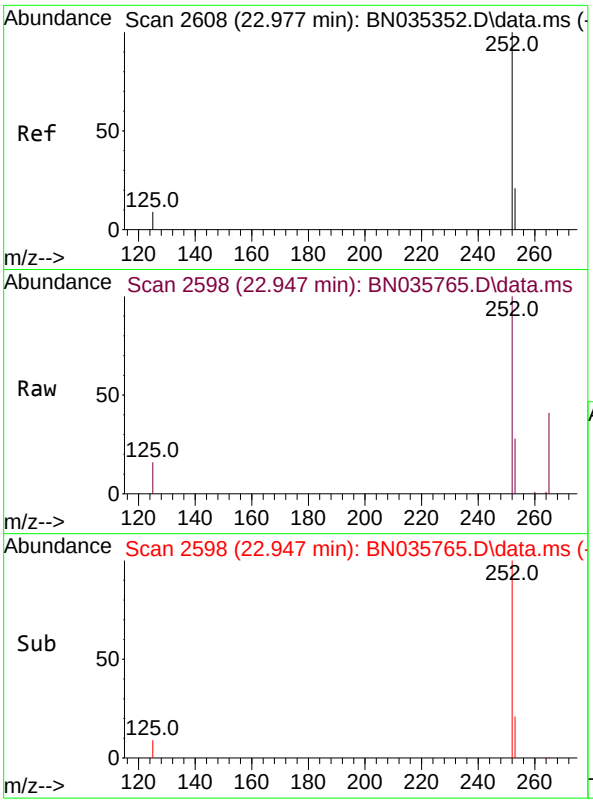


#38
Benzo(k)fluoranthene
Concen: 0.388 ng m
RT: 22.468 min Scan# 2434
Delta R.T. -0.003 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Tgt Ion:252 Resp: 15020

Ion	Ratio	Lower	Upper
252	100		
253	26.3	19.5	29.3
125	16.6	10.2	15.4#

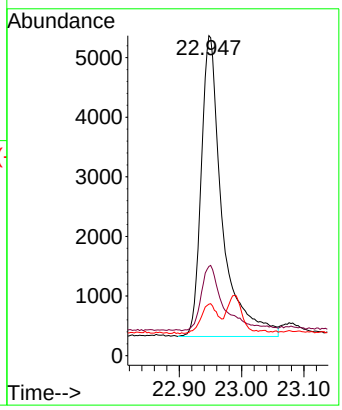




#39
Benzo(a)pyrene
Concen: 0.363 ng
RT: 22.947 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Tgt Ion:252 Resp: 1174

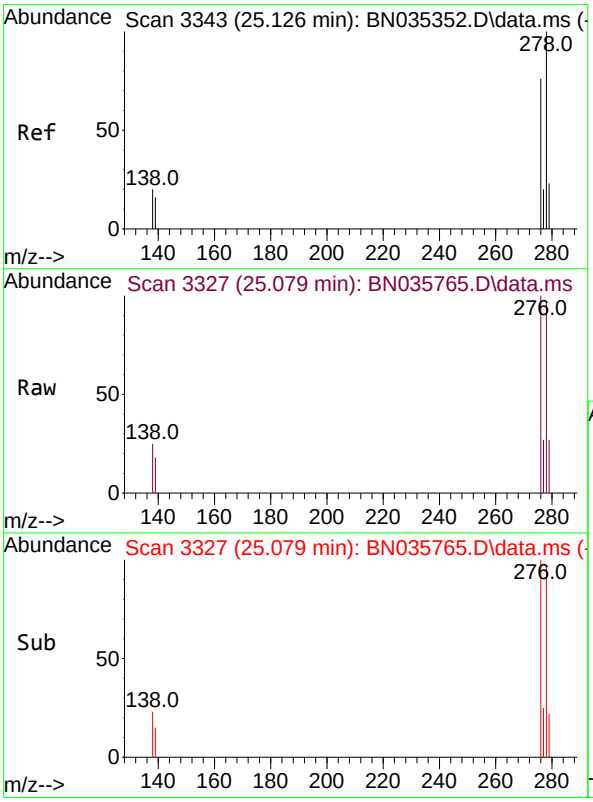
Ion	Ratio	Lower	Upper
252	100		
253	27.9	20.2	30.4
125	16.1	10.9	16.3



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations
APPROVED

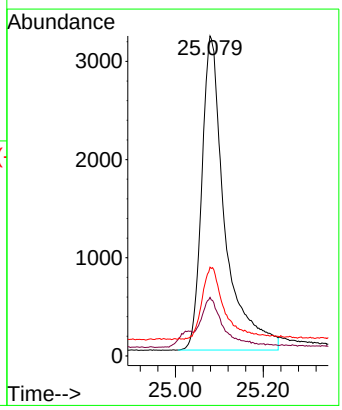
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

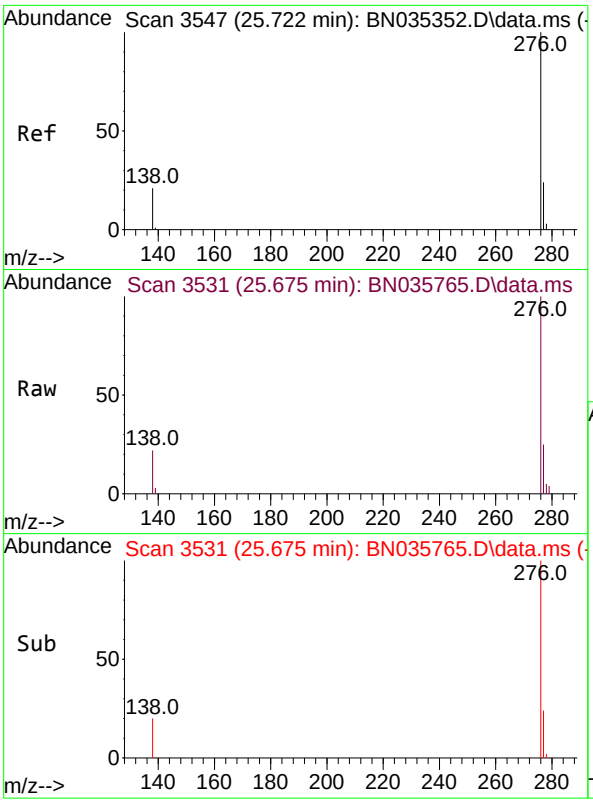


#40
Dibenzo(a,h)anthracene
Concen: 0.352 ng
RT: 25.079 min Scan# 3327
Delta R.T. -0.003 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Tgt Ion:278 Resp: 11661

Ion	Ratio	Lower	Upper
278	100		
139	18.3	14.2	21.4
279	27.7	20.5	30.7

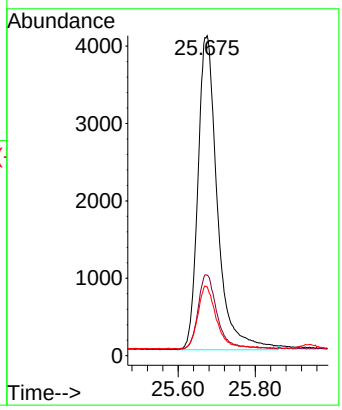




#41
Benzo(g,h,i)perylene
Concen: 0.411 ng
RT: 25.675 min Scan# 3
Delta R.T. -0.003 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Tgt Ion:276 Resp: 1423

Ion	Ratio	Lower	Upper
276	100		
277	25.2	19.9	29.9
138	21.5	17.8	26.8



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035765.D
Acq On : 21 Dec 2024 05:10
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 56 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Quant Time: Dec 21 05:39:14 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	173#	0.00
2		1,4-Dioxane	0.382	0.439	-14.9	202#	0.00
3		n-Nitrosodimethylamine	0.319	0.311	2.5	165#	0.00
4	S	2-Fluorophenol	1.001	0.960	4.1	163#	0.00
5	S	Phenol-d6	1.204	1.094	9.1	159#	-0.01
6		bis(2-Chloroethyl)ether	1.012	0.893	11.8	156#	0.00
7	I	Naphthalene-d8	1.000	1.000	0.0	174#	-0.01
8	S	Nitrobenzene-d5	0.244	0.284	-16.4	210#	0.00
9		Naphthalene	1.055	0.999	5.3	166#	0.00
10		Hexachlorobutadiene	0.243	0.253	-4.1	178#	-0.01
11	SURR	2-Methylnaphthalene-d10	0.626	0.578	7.7	163#	0.00
12		2-Methylnaphthalene	0.755	0.661	12.5	156#	0.00
13	I	Acenaphthene-d10	1.000	1.000	0.0	153#	-0.01
14	S	2,4,6-Tribromophenol	0.284	0.215	24.3	129	0.00
15	S	2-Fluorobiphenyl	1.512	1.389	8.1	141	0.00
16		Acenaphthylene	1.680	1.506	10.4	145	-0.01
17		Acenaphthene	1.115	1.039	6.8	147	-0.01
18		Fluorene	1.596	1.364	14.5	135	-0.01
19	I	Phenanthrene-d10	1.000	1.000	0.0	130	0.00
20		4,6-Dinitro-2-methylphenol	0.039	0.012	69.2#	42#	0.01
21		4-Bromophenyl-phenylether	0.234	0.205	12.4	118	-0.01
22		Hexachlorobenzene	0.275	0.298	-8.4	142	-0.01
23		Atrazine	0.167	0.154	7.8	130	0.00
24		Pentachlorophenol	0.120	0.096	20.0	130	0.00
25		Phenanthrene	1.099	1.002	8.8	122	-0.01
26		Anthracene	0.994	0.861	13.4	119	0.00
27	SURR	Fluoranthene-d10	1.134	0.989	12.8	119	0.00
28		Fluoranthene	1.481	1.248	15.7	114	0.00
29	I	Chrysene-d12	1.000	1.000	0.0	103	0.00
30		Pyrene	1.477	1.585	-7.3	111	0.00
31	S	Terphenyl-d14	0.789	0.863	-9.4	113	0.00
32		Benzo(a)anthracene	1.399	1.185	15.3	90	0.00
33		Chrysene	1.443	1.450	-0.5	104	0.00
34		Bis(2-ethylhexyl)phthalate	0.553	0.579	-4.7	116	0.00
35	I	Perylene-d12	1.000	1.000	0.0	99	0.00
36		Indeno(1,2,3-cd)pyrene	1.564	1.459	6.7	94	0.00
37		Benzo(b)fluoranthene	1.463	1.769	-20.9	133	0.00
38		Benzo(k)fluoranthene	1.440	1.399	2.8	99	0.00
39	C	Benzo(a)pyrene	1.205	1.093	9.3	95	0.00
40		Dibenzo(a,h)anthracene	1.234	1.086	12.0	90	0.00
41		Benzo(g,h,i)perylene	1.289	1.326	-2.9	105	0.00

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035765.D
Acq On : 21 Dec 2024 05:10
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 56 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Quant Time: Dec 21 05:39:14 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	0.400	0.400	0.0	173	0.00
2		1,4-Dioxane	0.400	0.459	-14.8	202	0.00
3		n-Nitrosodimethylamine	0.400	0.391	2.3	165	0.00
4	S	2-Fluorophenol	0.400	0.384	4.0	163	0.00
5	S	Phenol-d6	0.400	0.364	9.0	159	-0.01
6		bis(2-Chloroethyl)ether	0.400	0.353	11.8	156	0.00
7	I	Naphthalene-d8	0.400	0.400	0.0	174	-0.01
8	S	Nitrobenzene-d5	0.400	0.464	-16.0	210	0.00
9		Naphthalene	0.400	0.379	5.3	166	0.00
10		Hexachlorobutadiene	0.400	0.415	-3.7	178	-0.01
11	SURR	2-Methylnaphthalene-d10	0.400	0.369	7.8	163	0.00
12		2-Methylnaphthalene	0.400	0.350	12.5	156	0.00
13	I	Acenaphthene-d10	0.400	0.400	0.0	153	-0.01
14	S	2,4,6-Tribromophenol	0.400	0.303	24.3	129	0.00
15	S	2-Fluorobiphenyl	0.400	0.367	8.3	141	0.00
16		Acenaphthylene	0.400	0.359	10.3	145	-0.01
17		Acenaphthene	0.400	0.373	6.8	147	-0.01
18		Fluorene	0.400	0.342	14.5	135	-0.01
19	I	Phenanthrene-d10	0.400	0.400	0.0	130	0.00
20		4,6-Dinitro-2-methylphenol	0.400	0.117	70.8#	42	0.01
21		4-Bromophenyl-phenylether	0.400	0.351	12.3	118	-0.01
22		Hexachlorobenzene	0.400	0.433	-8.2	142	-0.01
23		Atrazine	0.400	0.369	7.8	130	0.00
24		Pentachlorophenol	0.400	0.320	20.0	130	0.00
25		Phenanthrene	0.400	0.365	8.8	122	-0.01
26		Anthracene	0.400	0.347	13.3	119	0.00
27	SURR	Fluoranthene-d10	0.400	0.349	12.8	119	0.00
28		Fluoranthene	0.400	0.337	15.8	114	0.00
29	I	Chrysene-d12	0.400	0.400	0.0	103	0.00
30		Pyrene	0.400	0.429	-7.2	111	0.00
31	S	Terphenyl-d14	0.400	0.437	-9.2	113	0.00
32		Benzo(a)anthracene	0.400	0.339	15.3	90	0.00
33		Chrysene	0.400	0.402	-0.5	104	0.00
34		Bis(2-ethylhexyl)phthalate	0.400	0.419	-4.7	116	0.00
35	I	Perylene-d12	0.400	0.400	0.0	99	0.00
36		Indeno(1,2,3-cd)pyrene	0.400	0.373	6.8	94	0.00
37		Benzo(b)fluoranthene	0.400	0.484	-21.0	133	0.00
38		Benzo(k)fluoranthene	0.400	0.388	3.0	99	0.00
39	C	Benzo(a)pyrene	0.400	0.363	9.3	95	0.00
40		Dibenzo(a,h)anthracene	0.400	0.352	12.0	90	0.00
41		Benzo(g,h,i)perylene	0.400	0.411	-2.7	105	0.00

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

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: P5261 SAS No.: P5261 SDG No.: P5261

Instrument ID: BNA_N Calibration Date/Time: 12/26/2024 09:58

Lab File ID: BN035845.D Init. Calib. Date(s): 11/27/2024 11/27/2024

EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 15:34 19:09

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.626	0.545		-12.9	20.0
Fluoranthene-d10	1.134	0.991		-12.6	20.0
2-Fluorophenol	1.001	1.006		0.5	20.0
Phenol-d6	1.204	1.112		-7.6	20.0
Nitrobenzene-d5	0.244	0.298		22.1	20.0
2-Fluorobiphenyl	1.512	1.504		-0.5	20.0
2,4,6-Tribromophenol	0.284	0.248		-12.7	20.0
Terphenyl-d14	0.789	0.784		-0.6	20.0
1,4-Dioxane	0.382	0.405		6.0	20.0

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122624\
Data File : BN035845.D
Acq On : 26 Dec 2024 09:58
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 27 00:40:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.257	152	3755	0.400	ng		-0.01
7) Naphthalene-d8	9.999	136	9322	0.400	ng		#-0.02
13) Acenaphthene-d10	13.914	164	5387	0.400	ng		-0.02
19) Phenanthrene-d10	16.686	188	11262	0.400	ng		#-0.01
29) Chrysene-d12	20.938	240	9932	0.400	ng		#-0.02
35) Perylene-d12	23.021	264	10817	0.400	ng		#-0.02
System Monitoring Compounds							
4) 2-Fluorophenol	4.924	112	3777	0.402	ng		-0.01
5) Phenol-d6	6.470	99	4175	0.369	ng		-0.02
8) Nitrobenzene-d5	8.397	82	2776m	0.488	ng		-0.01
11) 2-Methylnaphthalene-d10	11.600	152	5080	0.348	ng		-0.02
14) 2,4,6-Tribromophenol	15.432	330	1338	0.350	ng		-0.02
15) 2-Fluorobiphenyl	12.523	172	8104	0.398	ng		-0.02
27) Fluoranthene-d10	18.743	212	11161	0.350	ng		-0.02
31) Terphenyl-d14	19.375	244	7783	0.397	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	2.982	88	1520	0.423	ng		97
3) n-Nitrosodimethylamine	3.270	42	1223	0.409	ng	#	82
6) bis(2-Chloroethyl)ether	6.708	93	3599	0.379	ng		99
9) Naphthalene	10.041	128	9440	0.384	ng		100
10) Hexachlorobutadiene	10.340	225	2352	0.415	ng	#	99
12) 2-Methylnaphthalene	11.676	142	5939	0.337	ng		98
16) Acenaphthylene	13.625	152	8340	0.369	ng		100
17) Acenaphthene	13.978	154	5695	0.379	ng		99
18) Fluorene	14.983	166	7523	0.350	ng		99
20) 4,6-Dinitro-2-methylph...	15.100	198	526	0.475	ng	#	39
21) 4-Bromophenyl-phenylether	15.891	248	2443	0.371	ng	#	87
22) Hexachlorobenzene	15.991	284	3482	0.450	ng		95
23) Atrazine	16.189	200	1843	0.393	ng		97
24) Pentachlorophenol	16.363	266	1383	0.411	ng		87
25) Phenanthrene	16.723	178	11602	0.375	ng		100
26) Anthracene	16.822	178	10005	0.358	ng		100
28) Fluoranthene	18.775	202	14489	0.347	ng		98
30) Pyrene	19.142	202	15278	0.417	ng		100
32) Benzo(a)anthracene	20.920	228	12798	0.368	ng		100
33) Chrysene	20.974	228	14214	0.397	ng		100
34) Bis(2-ethylhexyl)phtha...	20.893	149	6282	0.458	ng		100
36) Indeno(1,2,3-cd)pyrene	25.041	276	15946	0.377	ng		97
37) Benzo(b)fluoranthene	22.412	252	19565	0.494	ng	#	96
38) Benzo(k)fluoranthene	22.453	252	16469m	0.423	ng		
39) Benzo(a)pyrene	22.933	252	12458	0.382	ng	#	92
40) Dibenzo(a,h)anthracene	25.058	278	12678	0.380	ng		96
41) Benzo(g,h,i)perylene	25.646	276	14614	0.419	ng		98

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

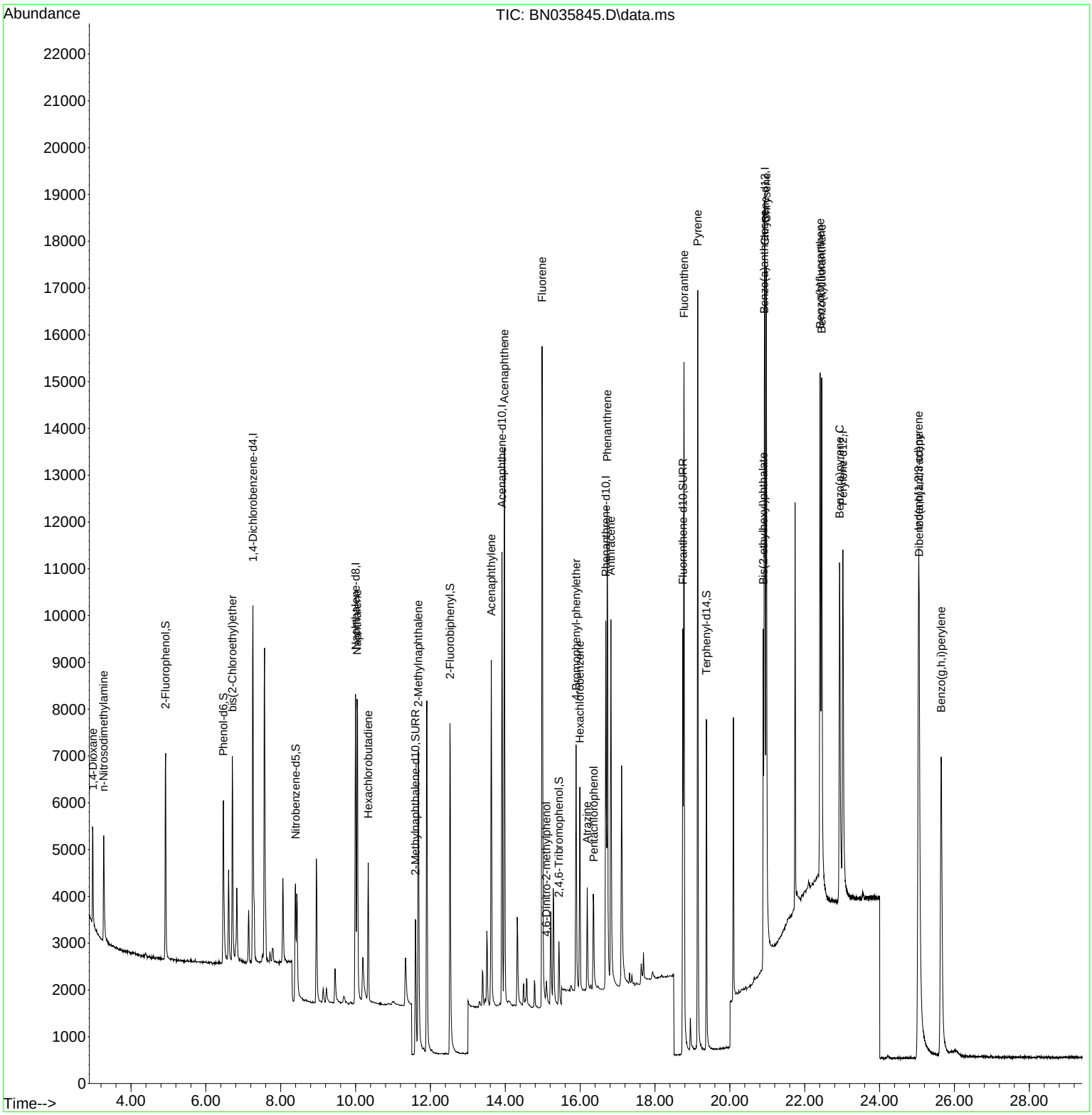
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122624\
Data File : BN035845.D
Acq On : 26 Dec 2024 09:58
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

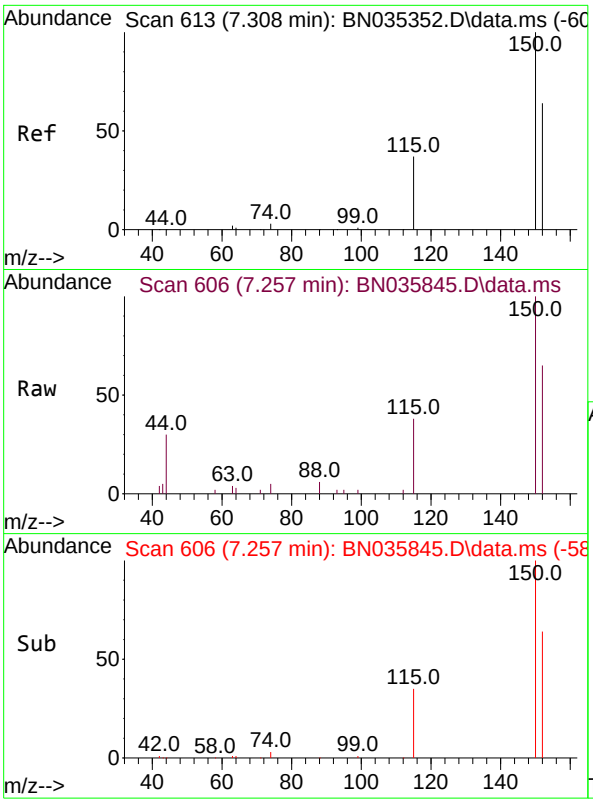
Quant Time: Dec 27 00:40:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

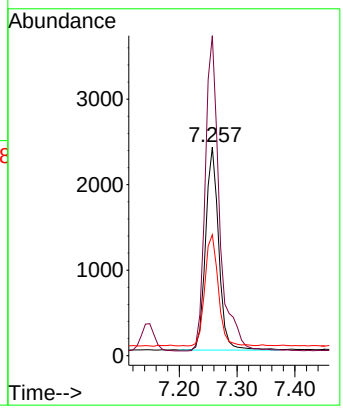




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.257 min Scan# 6(
Delta R.T. -0.015 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Tgt Ion:152 Resp: 375

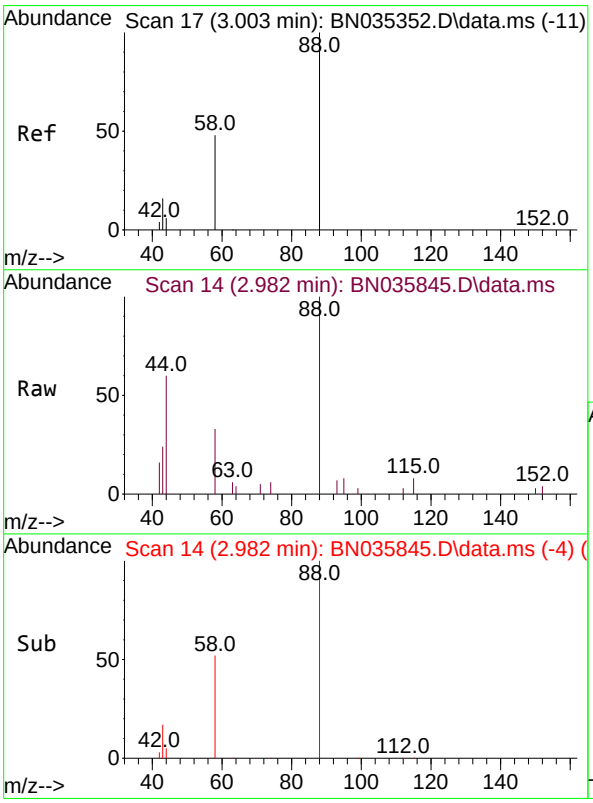
Ion	Ratio	Lower	Upper
152	100		
150	153.5	124.0	186.0
115	58.0	49.6	74.4



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Manual Integrations
APPROVED

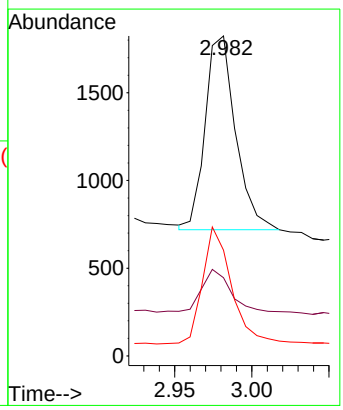
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

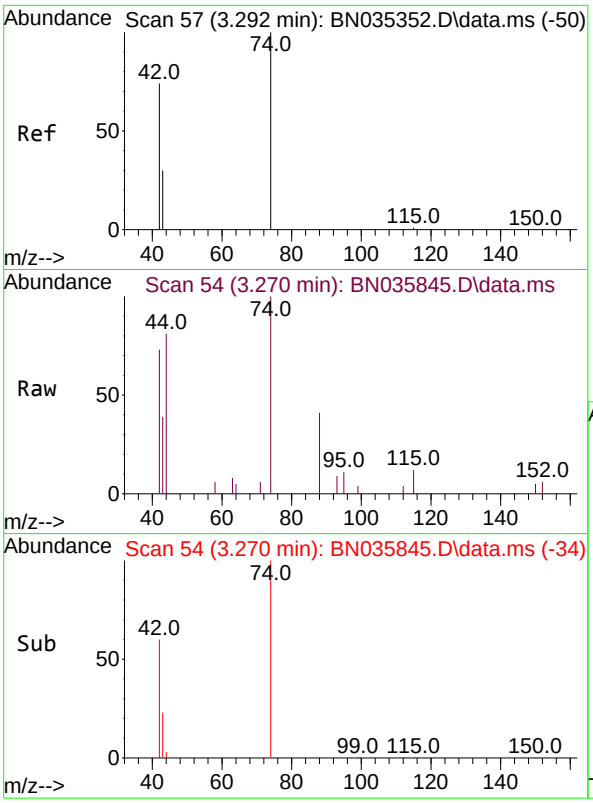


#2
1,4-Dioxane
Concen: 0.423 ng
RT: 2.982 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Tgt Ion: 88 Resp: 1520

Ion	Ratio	Lower	Upper
88	100		
43	19.9	17.2	25.8
58	57.5	44.5	66.7

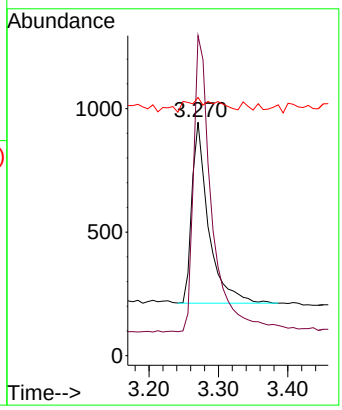




#3
n-Nitrosodimethylamine
Concen: 0.409 ng
RT: 3.270 min Scan# 54
Delta R.T. -0.007 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Tgt Ion: 42 Resp: 122

Ion	Ratio	Lower	Upper
42	100		
74	179.4	124.9	187.3
44	16.9	2.2	3.4



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

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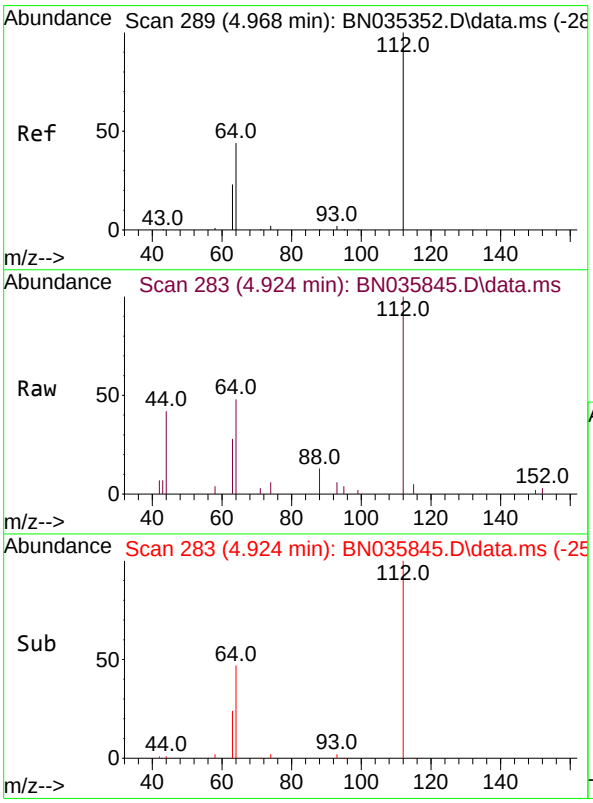
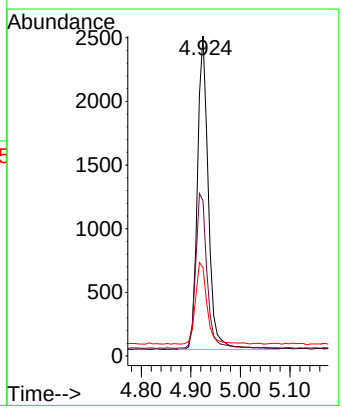
Supervised By :mohammad ahmed 12/27/2024

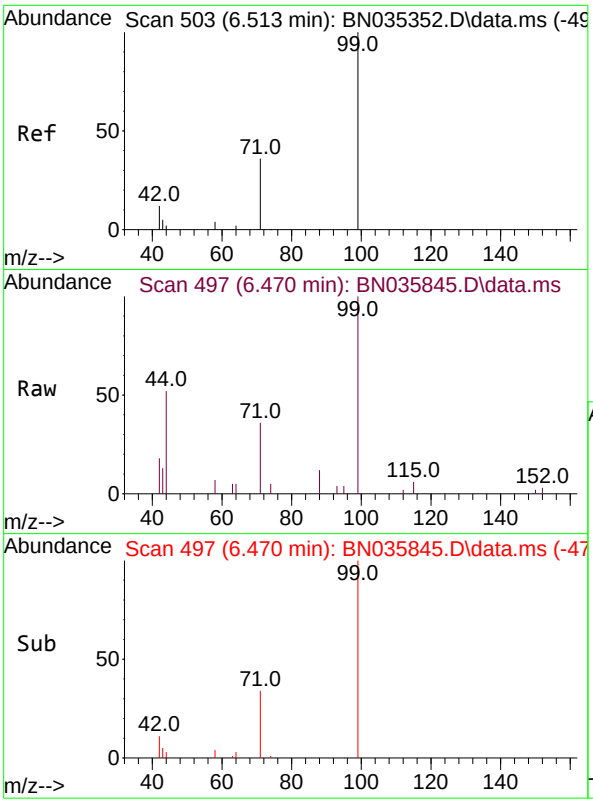


#4
2-Fluorophenol
Concen: 0.402 ng
RT: 4.924 min Scan# 283
Delta R.T. -0.015 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Tgt Ion:112 Resp: 3777

Ion	Ratio	Lower	Upper
112	100		
64	51.0	39.8	59.8
63	27.5	21.0	31.6

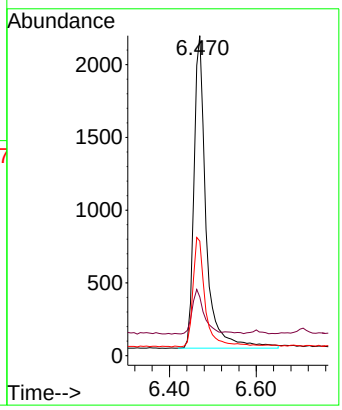




#5
Phenol-d6
Concen: 0.369 ng
RT: 6.470 min Scan# 4
Delta R.T. -0.022 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Tgt Ion: 99 Resp: 417

Ion	Ratio	Lower	Upper
99	100		
42	14.0	11.4	17.2
71	35.3	29.3	43.9



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

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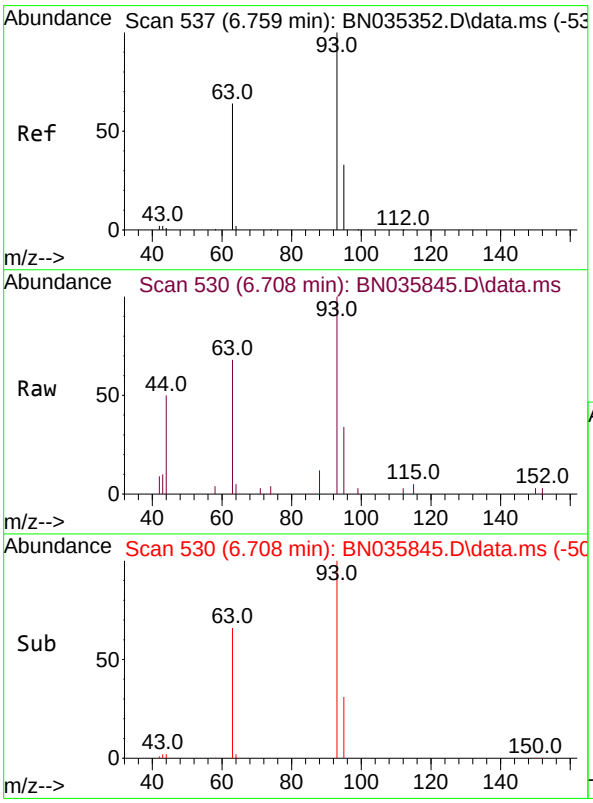
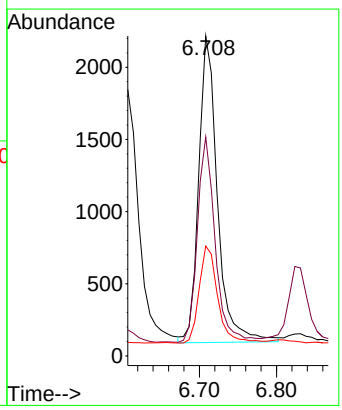
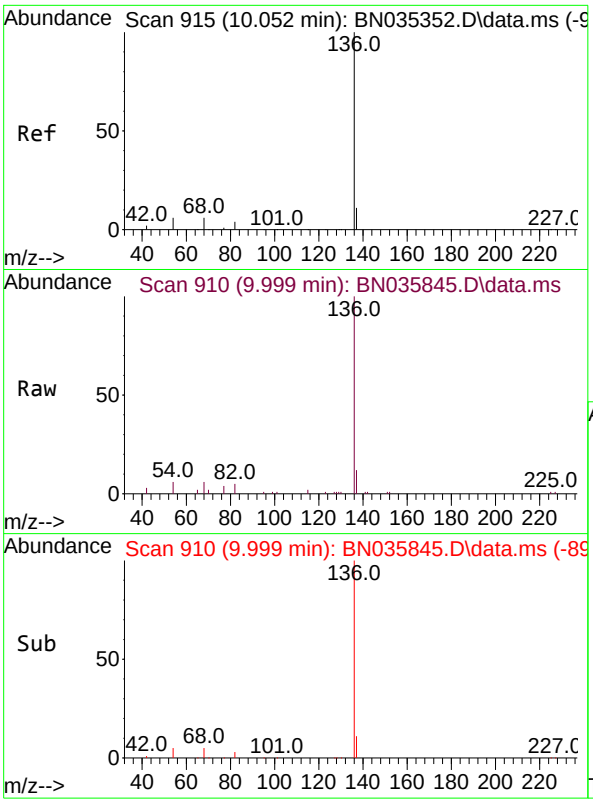


#6
bis(2-Chloroethyl)ether
Concen: 0.379 ng
RT: 6.708 min Scan# 530
Delta R.T. -0.022 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Tgt Ion: 93 Resp: 3599

Ion	Ratio	Lower	Upper
93	100		
63	63.3	50.4	75.6
95	31.3	25.7	38.5

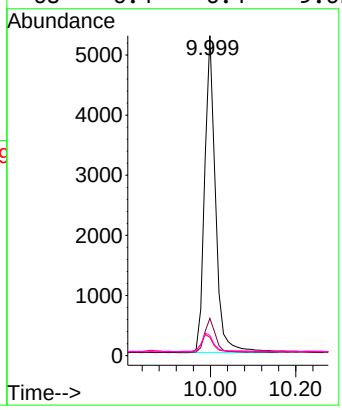




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 9.999 min Scan# 91
Delta R.T. -0.022 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Tgt Ion:136 Resp: 932

Ion	Ratio	Lower	Upper
136	100		
137	11.6	10.2	15.2
54	5.8	6.1	9.1#
68	6.4	6.4	9.6#



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

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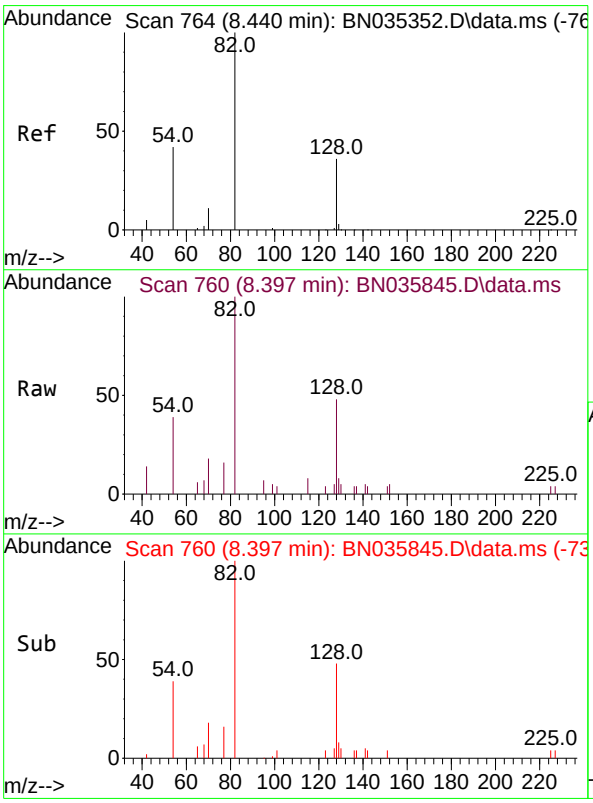
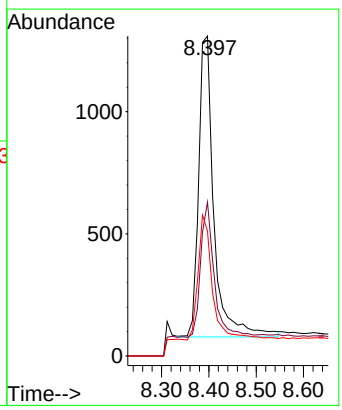
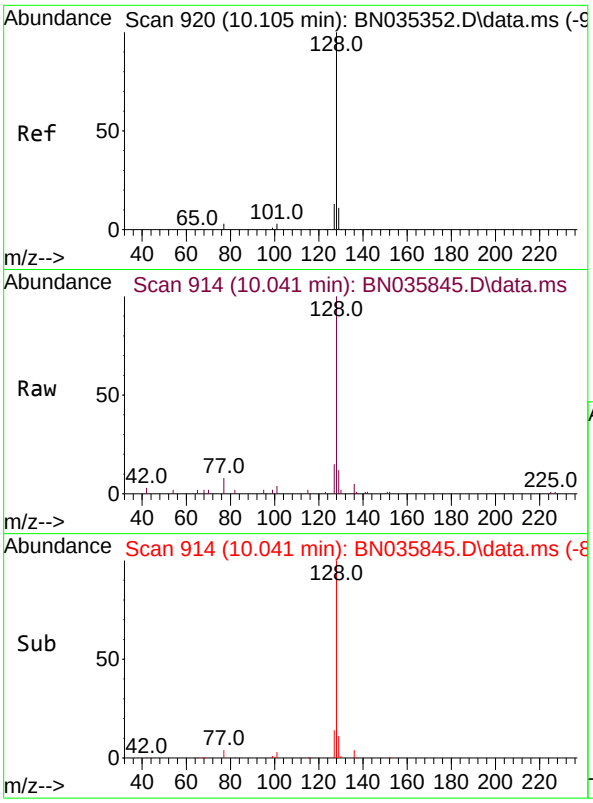


#8
Nitrobenzene-d5
Concen: 0.488 ng m
RT: 8.397 min Scan# 760
Delta R.T. -0.011 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Tgt Ion: 82 Resp: 2776

Ion	Ratio	Lower	Upper
82	100		
128	48.1	33.4	50.0
54	39.1	36.7	55.1

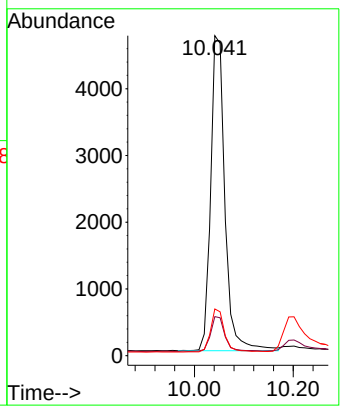




#9
Naphthalene
Concen: 0.384 ng
RT: 10.041 min Scan# 9
Delta R.T. -0.021 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Tgt Ion:128 Resp: 944

Ion	Ratio	Lower	Upper
128	100		
129	12.2	9.8	14.6
127	14.6	11.4	17.2



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

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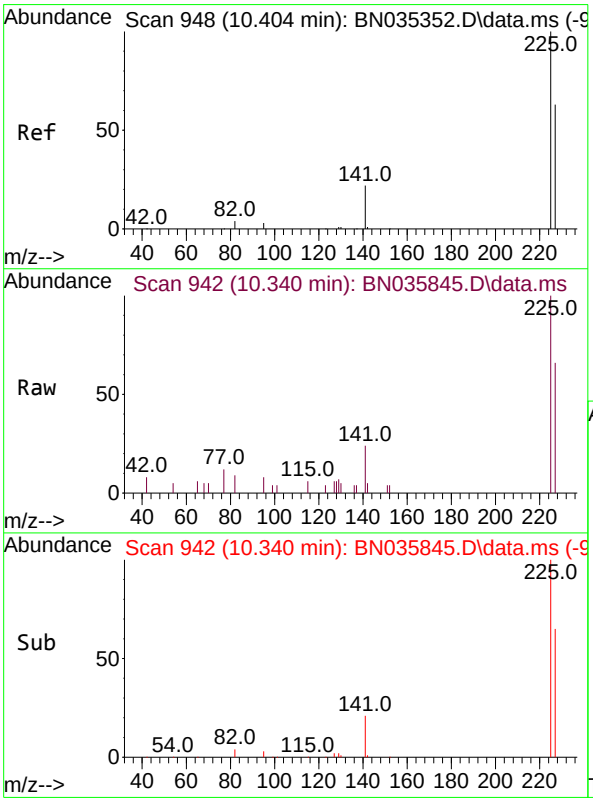
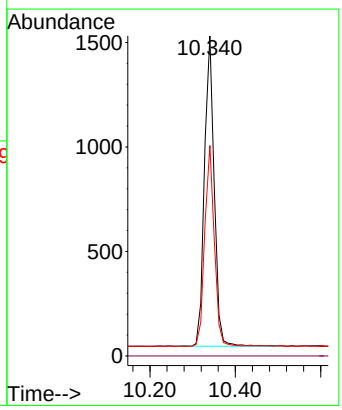
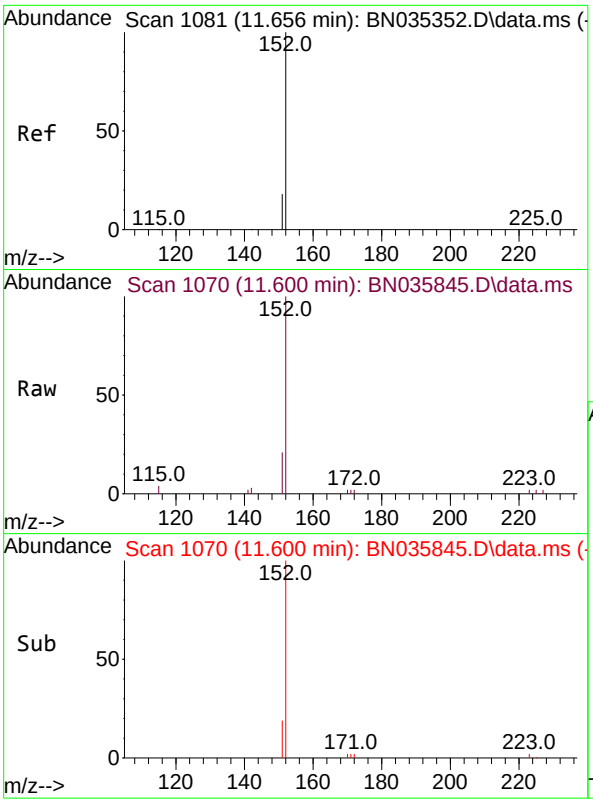


#10
Hexachlorobutadiene
Concen: 0.415 ng
RT: 10.340 min Scan# 942
Delta R.T. -0.021 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Tgt Ion:225 Resp: 2352

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.7	51.3	76.9

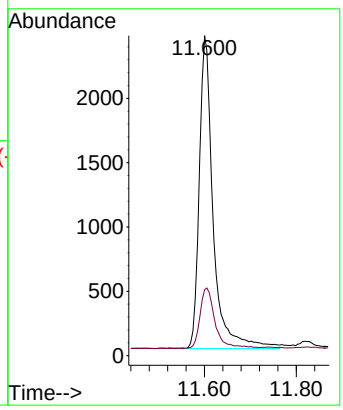




#11
2-Methylnaphthalene-d10
Concen: 0.348 ng
RT: 11.600 min Scan# 1
Delta R.T. -0.020 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Tgt Ion:152 Resp: 508

Ion	Ratio	Lower	Upper
152	100		
151	21.0	16.6	25.0



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

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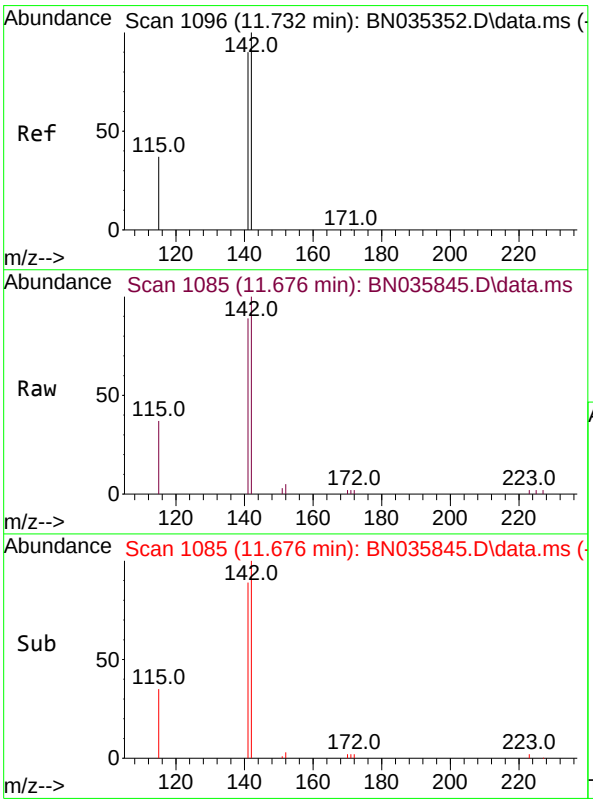
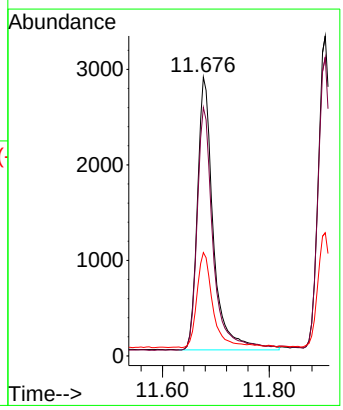
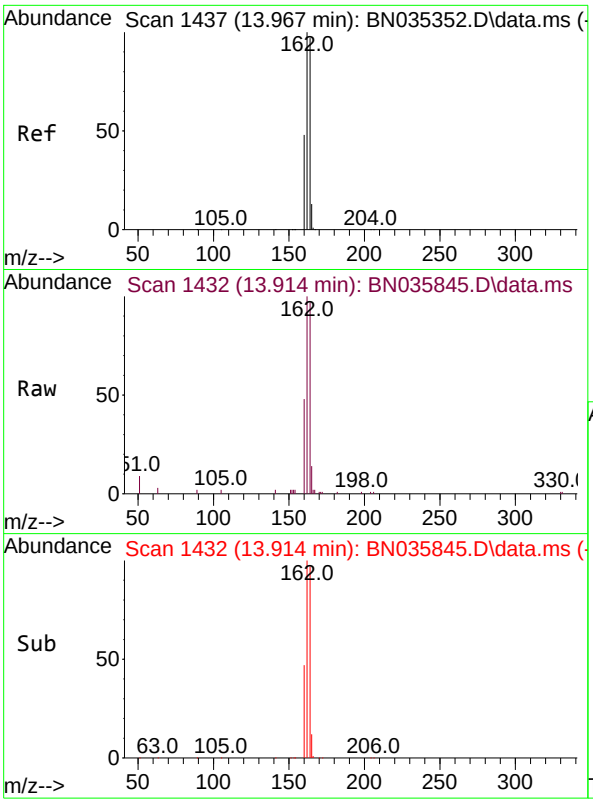


#12
2-Methylnaphthalene
Concen: 0.337 ng
RT: 11.676 min Scan# 1085
Delta R.T. -0.020 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Tgt Ion:142 Resp: 5939

Ion	Ratio	Lower	Upper
142	100		
141	89.1	72.2	108.4
115	37.1	31.4	47.0

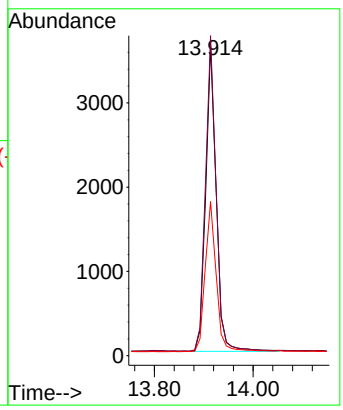




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.914 min Scan# 14
Delta R.T. -0.022 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Tgt Ion:164 Resp: 538

Ion	Ratio	Lower	Upper
164	100		
162	103.2	82.2	123.2
160	49.7	40.1	60.1



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

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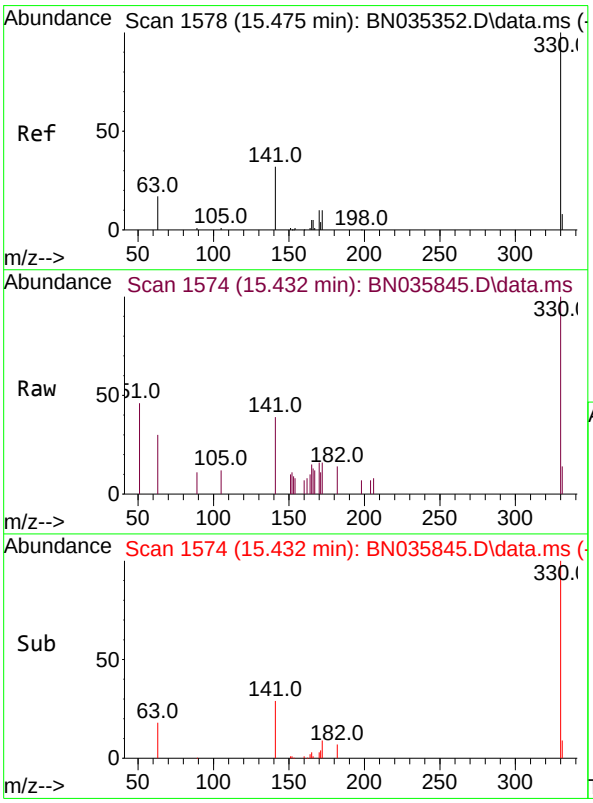
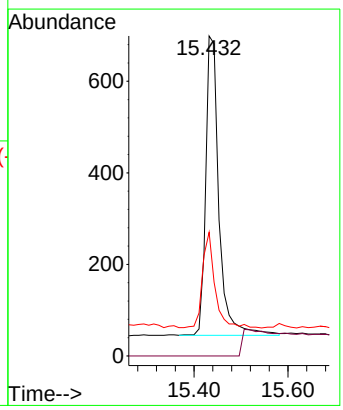
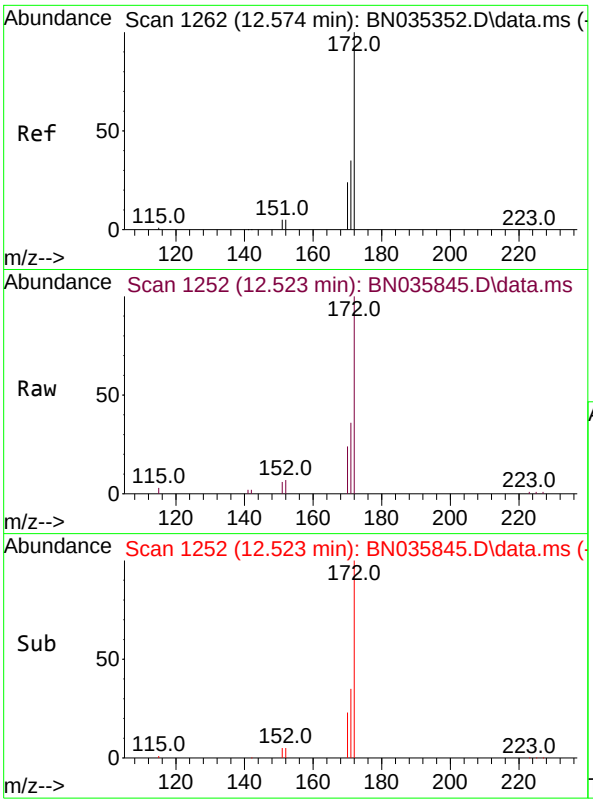


#14
2,4,6-Tribromophenol
Concen: 0.350 ng
RT: 15.432 min Scan# 1574
Delta R.T. -0.022 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Tgt Ion:330 Resp: 1338

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	29.7	26.6	40.0

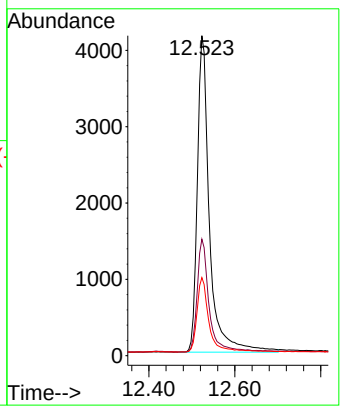




#15
2-Fluorobiphenyl
Concen: 0.398 ng
RT: 12.523 min Scan# 1
Delta R.T. -0.020 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Tgt Ion:172 Resp: 810

Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.0	43.4
170	24.4	19.8	29.8



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

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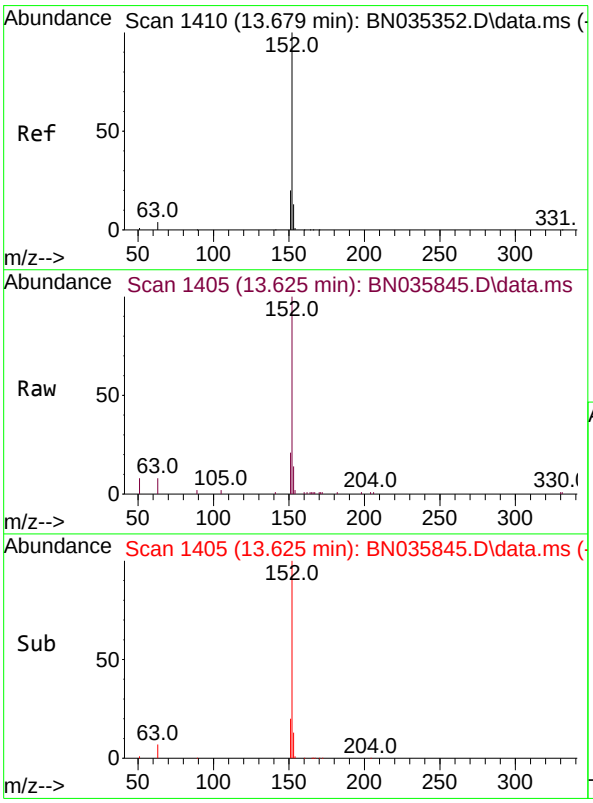
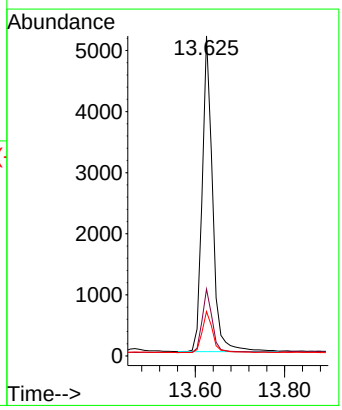
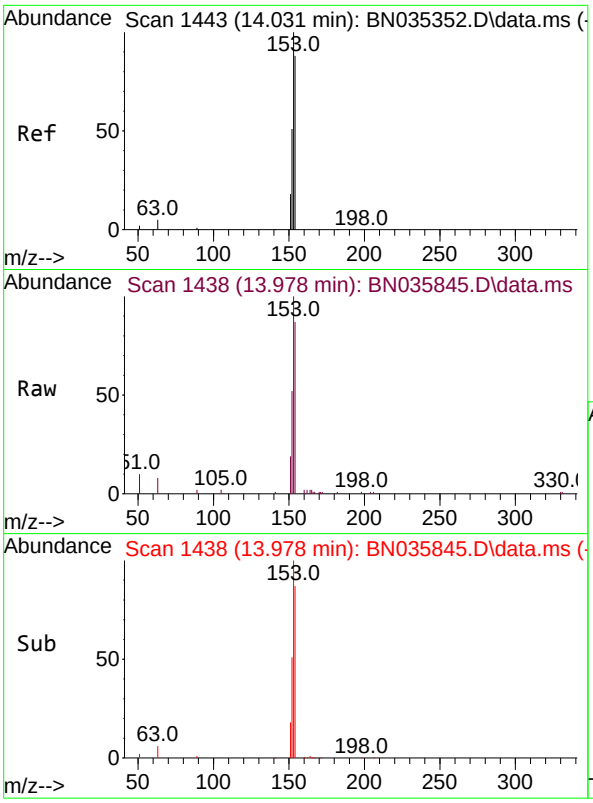


#16
Acenaphthylene
Concen: 0.369 ng
RT: 13.625 min Scan# 1405
Delta R.T. -0.022 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Tgt Ion:152 Resp: 8340

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.2	24.2
153	13.2	10.4	15.6

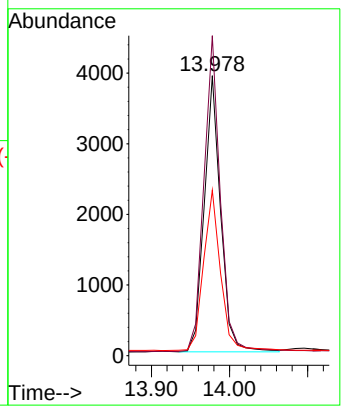




#17
Acenaphthene
Concen: 0.379 ng
RT: 13.978 min Scan# 14
Delta R.T. -0.022 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Tgt Ion:154 Resp: 569

Ion	Ratio	Lower	Upper
154	100		
153	116.1	92.6	139.0
152	60.4	49.0	73.6



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

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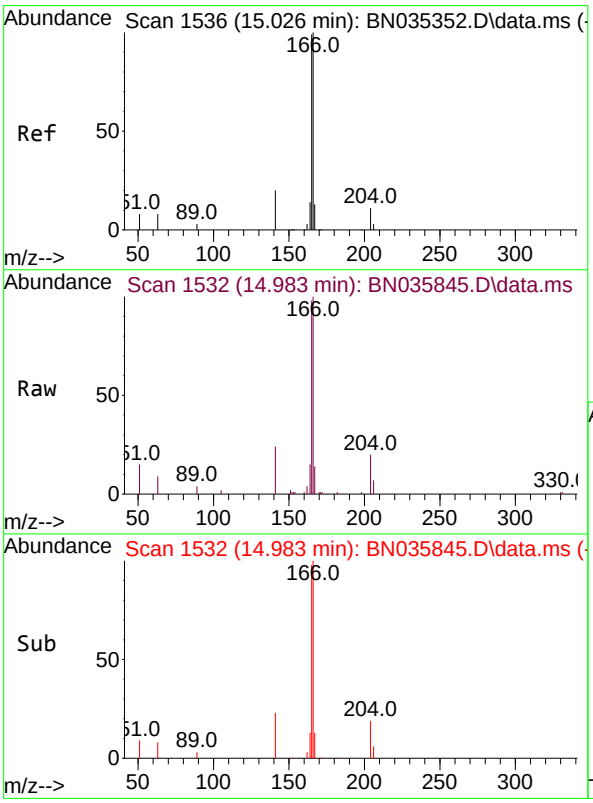
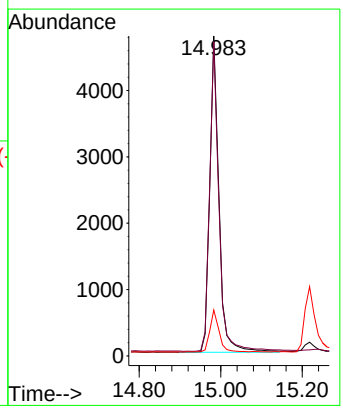
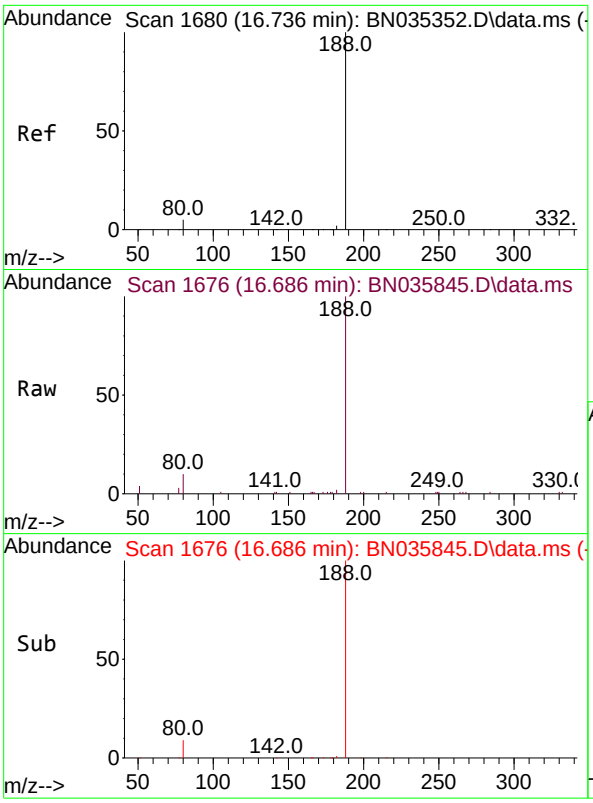


#18
Fluorene
Concen: 0.350 ng
RT: 14.983 min Scan# 1532
Delta R.T. -0.022 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Tgt Ion:166 Resp: 7523

Ion	Ratio	Lower	Upper
166	100		
165	98.0	79.7	119.5
167	13.4	10.8	16.2

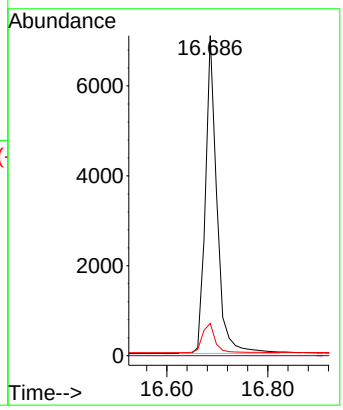




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.686 min Scan# 1
Delta R.T. -0.013 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Tgt Ion:188 Resp: 1126

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.1	4.6	6.8#



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

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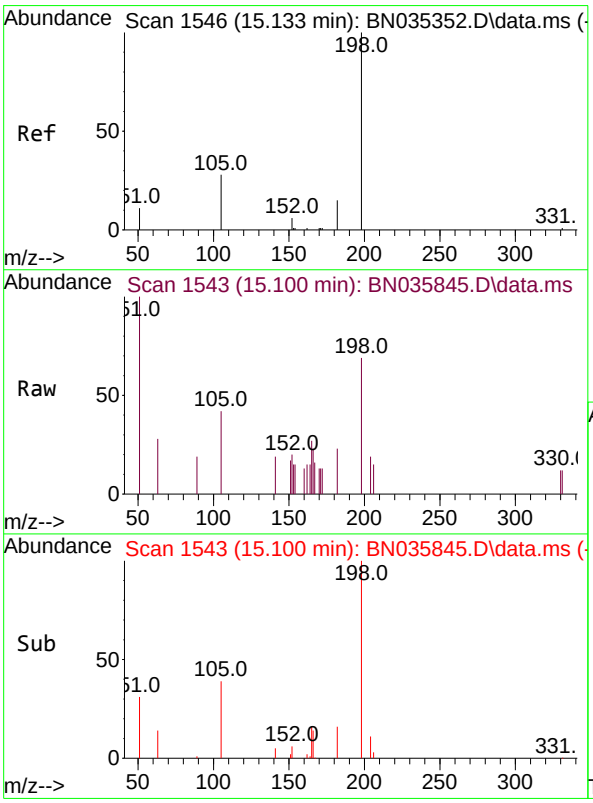
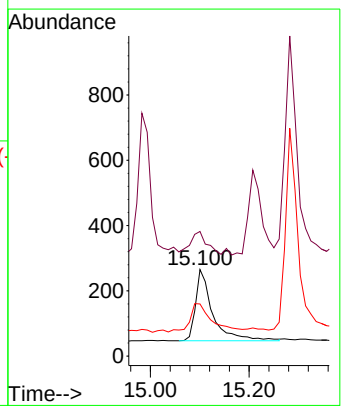
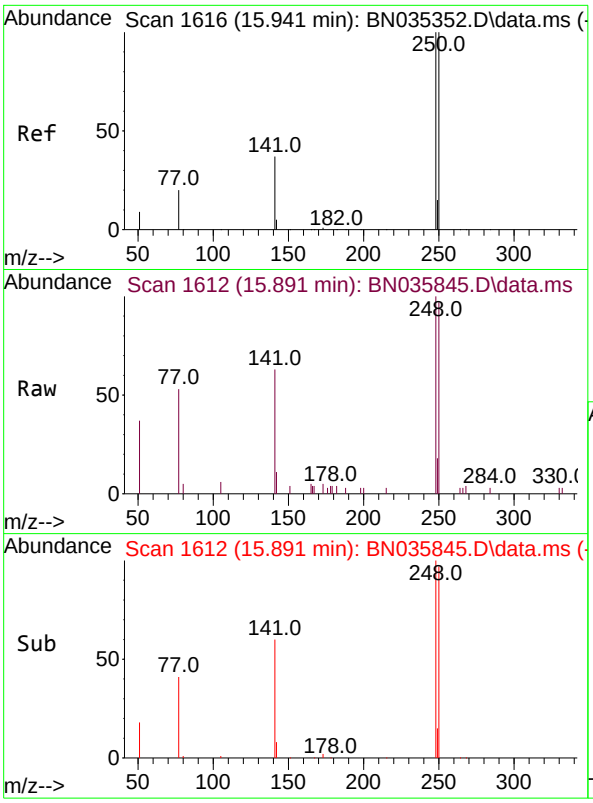


#20
4,6-Dinitro-2-methylphenol
Concen: 0.475 ng
RT: 15.100 min Scan# 1543
Delta R.T. -0.022 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Tgt Ion:198 Resp: 526

Ion	Ratio	Lower	Upper
198	100		
51	144.2	46.5	69.7#
105	60.4	45.3	67.9

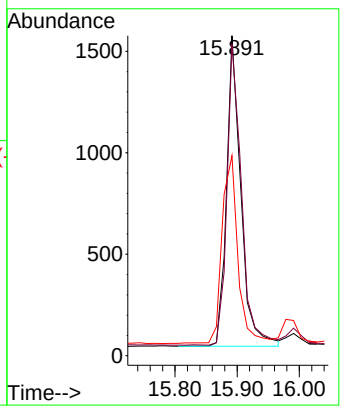




#21
4-Bromophenyl-phenylether
Concen: 0.371 ng
RT: 15.891 min Scan# 1
Delta R.T. -0.025 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Tgt Ion:248 Resp: 244

Ion	Ratio	Lower	Upper
248	100		
250	97.3	80.6	120.8
141	62.5	31.5	47.3#



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

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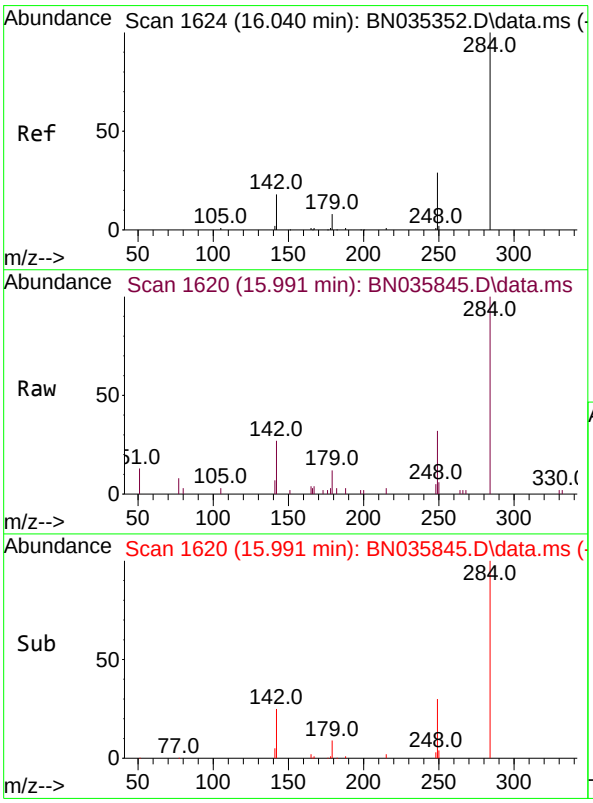
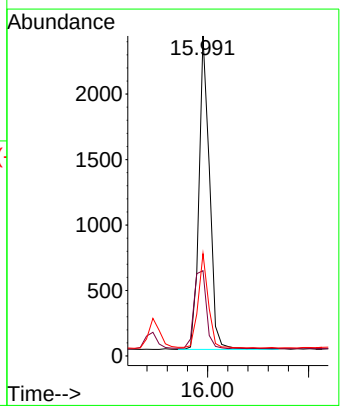
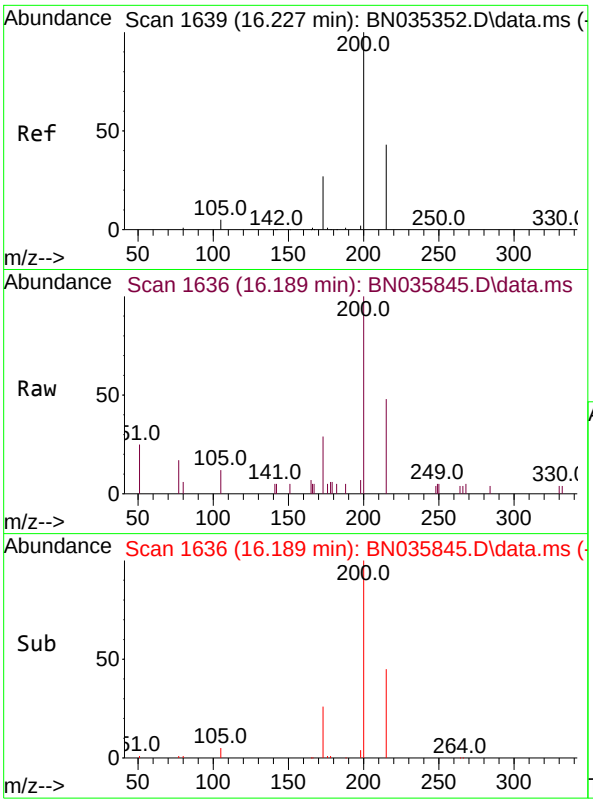


#22
Hexachlorobenzene
Concen: 0.450 ng
RT: 15.991 min Scan# 1620
Delta R.T. -0.025 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Tgt Ion:284 Resp: 3482

Ion	Ratio	Lower	Upper
284	100		
142	29.6	26.7	40.1
249	28.9	24.6	36.8

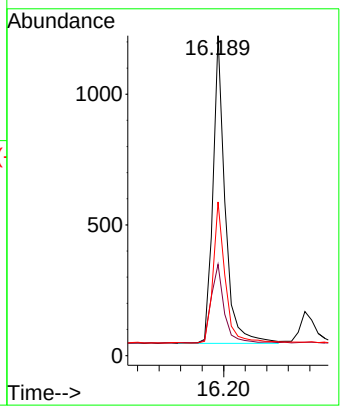




#23
Atrazine
Concen: 0.393 ng
RT: 16.189 min Scan# 1(
Delta R.T. -0.013 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Tgt Ion:200 Resp: 184

Ion	Ratio	Lower	Upper
200	100		
173	28.5	24.1	36.1
215	48.0	36.9	55.3



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

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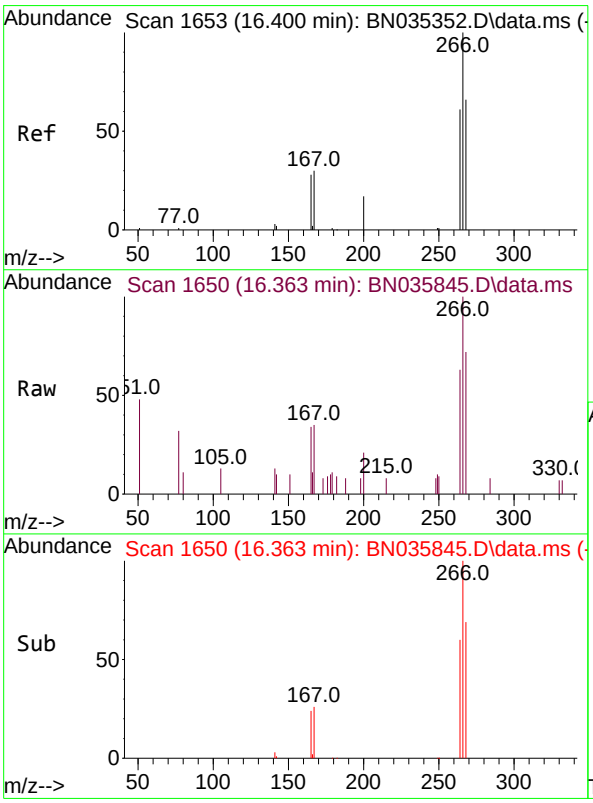
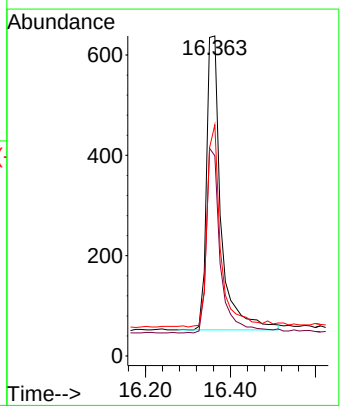
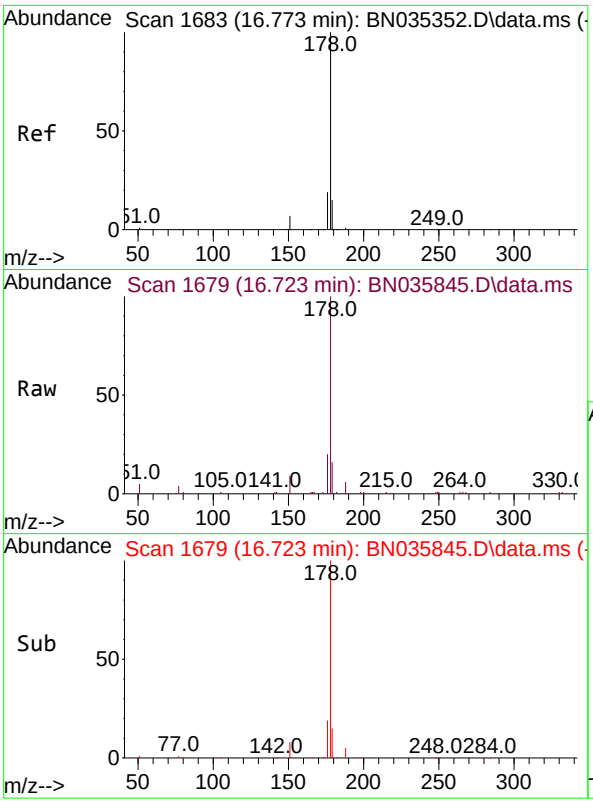


#24
Pentachlorophenol
Concen: 0.411 ng
RT: 16.363 min Scan# 1650
Delta R.T. -0.013 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Tgt Ion:266 Resp: 1383

Ion	Ratio	Lower	Upper
266	100		
264	61.3	42.3	63.5
268	63.8	43.3	64.9

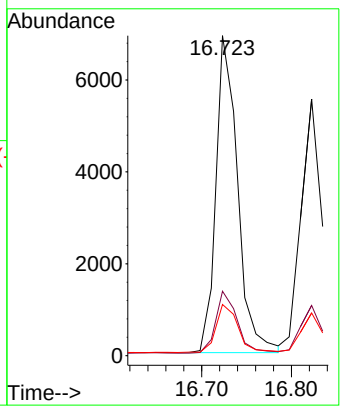




#25
Phenanthrene
Concen: 0.375 ng
RT: 16.723 min Scan# 1
Delta R.T. -0.025 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Tgt Ion:178 Resp: 1160

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	15.7	12.3	18.5



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

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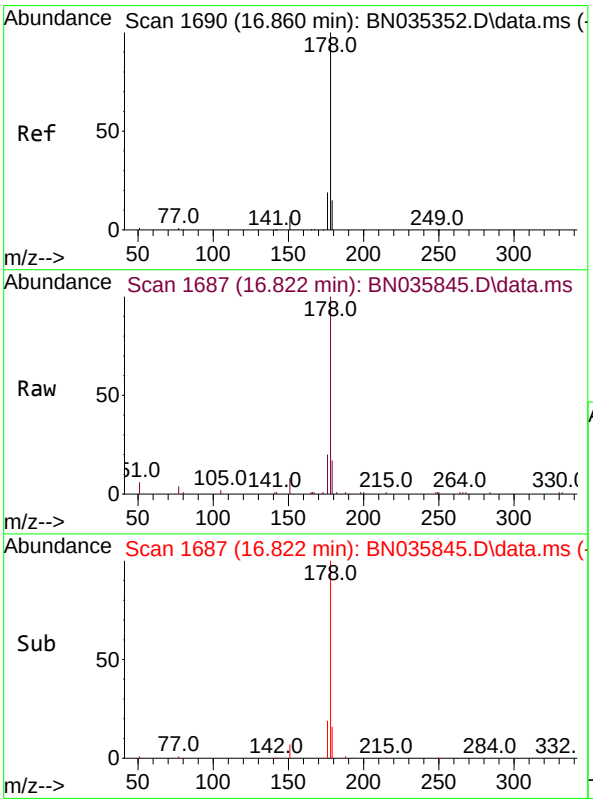
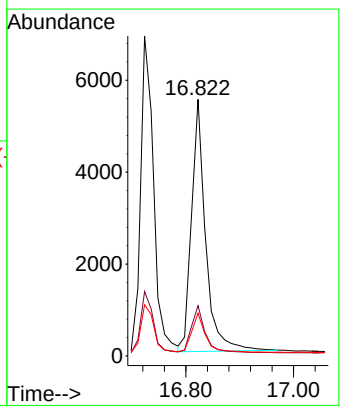
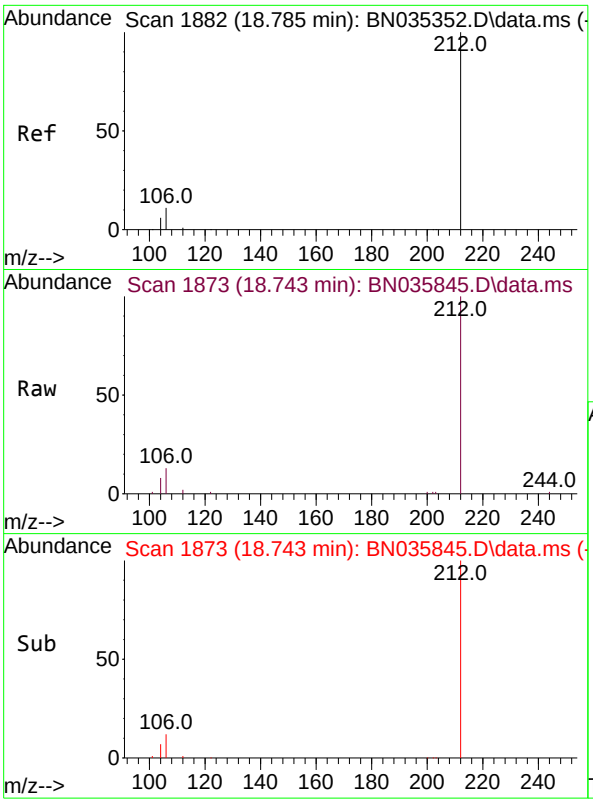


#26
Anthracene
Concen: 0.358 ng
RT: 16.822 min Scan# 1687
Delta R.T. -0.013 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Tgt Ion:178 Resp: 10005

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.6
179	15.3	12.6	18.8

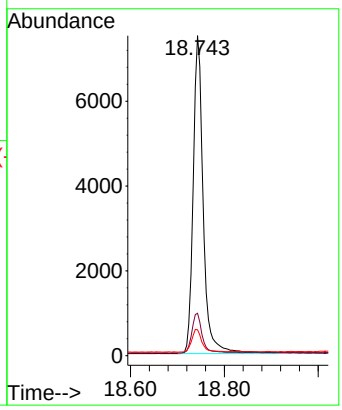




#27
Fluoranthene-d10
Concen: 0.350 ng
RT: 18.743 min Scan# 1
Delta R.T. -0.019 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Tgt Ion:212 Resp: 1116

Ion	Ratio	Lower	Upper
212	100		
106	12.7	9.2	13.8
104	7.4	5.3	7.9



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

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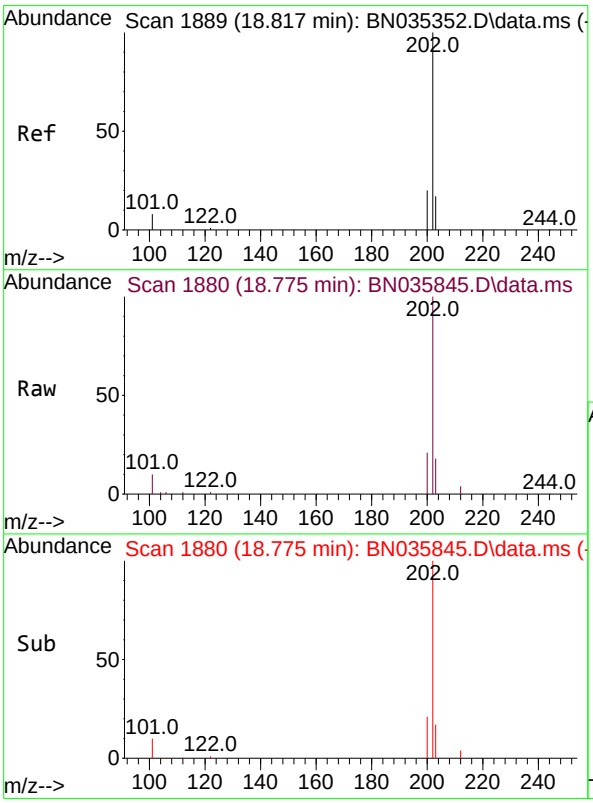
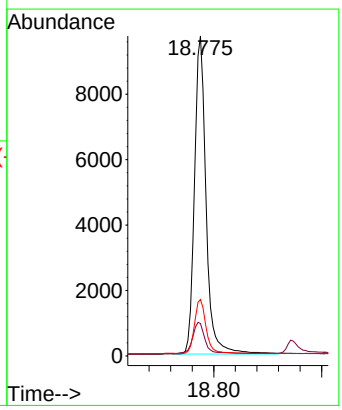
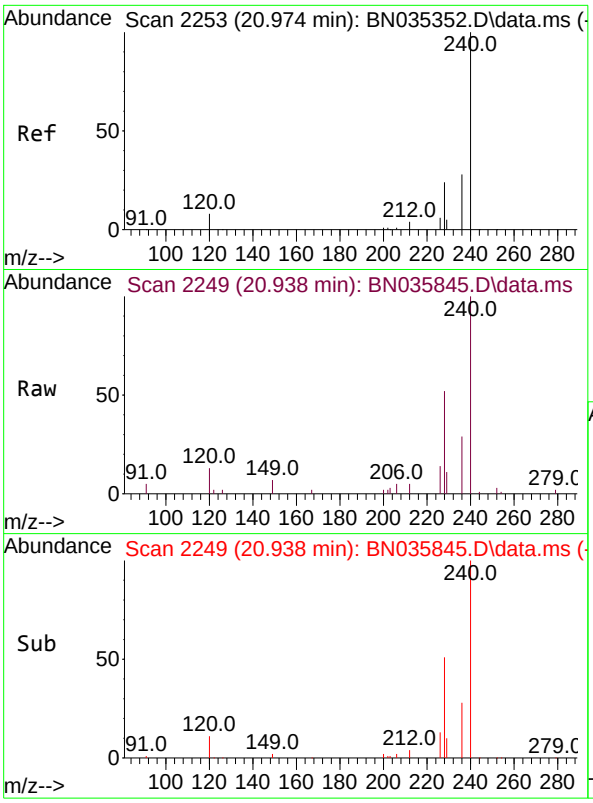


#28
Fluoranthene
Concen: 0.347 ng
RT: 18.775 min Scan# 1880
Delta R.T. -0.014 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Tgt Ion:202 Resp: 14489

Ion	Ratio	Lower	Upper
202	100		
101	10.7	7.4	11.0
203	17.0	13.7	20.5

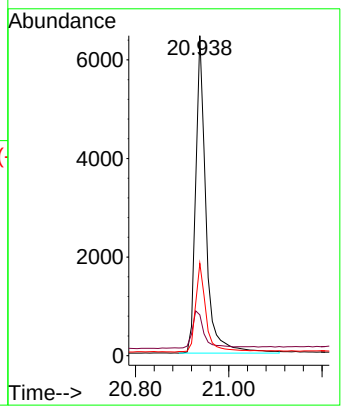




#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.938 min Scan# 2
Delta R.T. -0.018 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Tgt Ion:240 Resp: 993

Ion	Ratio	Lower	Upper
240	100		
120	12.7	7.9	11.9
236	28.9	22.9	34.3



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

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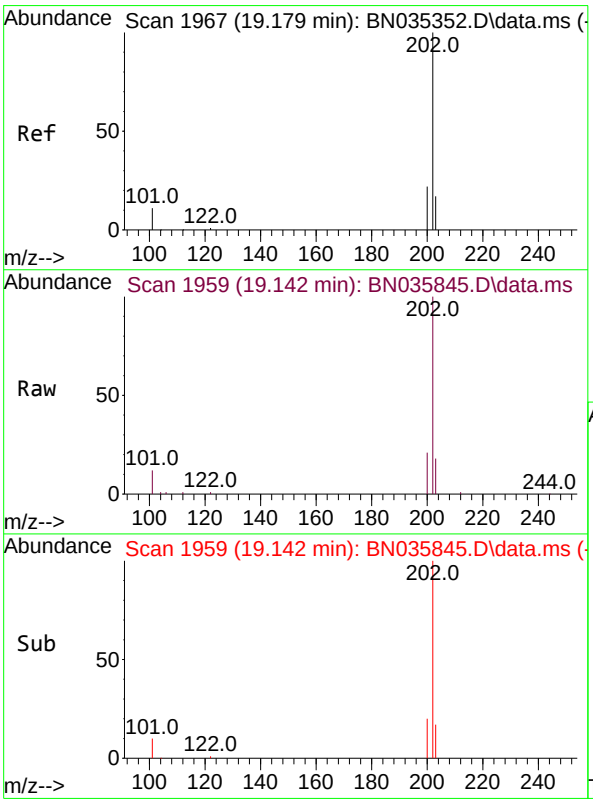
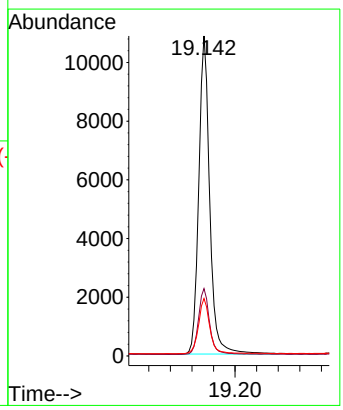
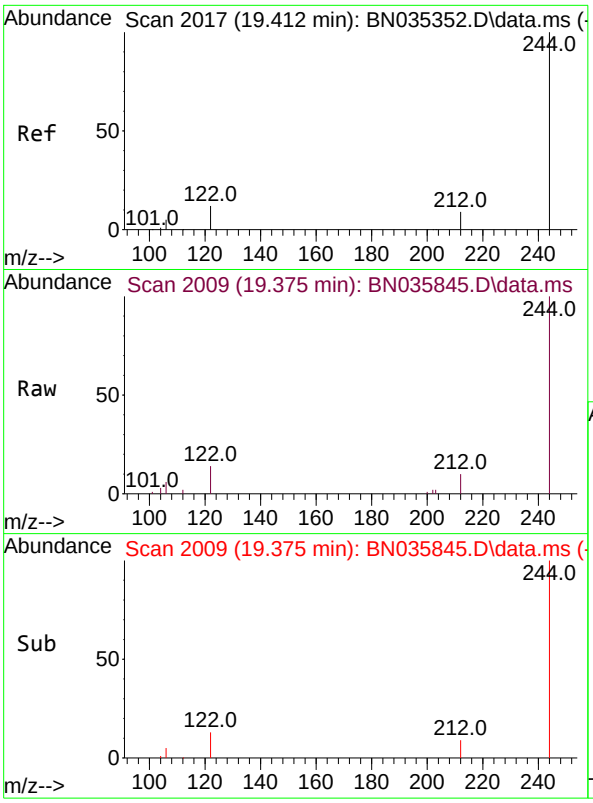


#30
Pyrene
Concen: 0.417 ng
RT: 19.142 min Scan# 1959
Delta R.T. -0.019 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Tgt Ion:202 Resp: 15278

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.0	25.4
203	17.9	14.3	21.5

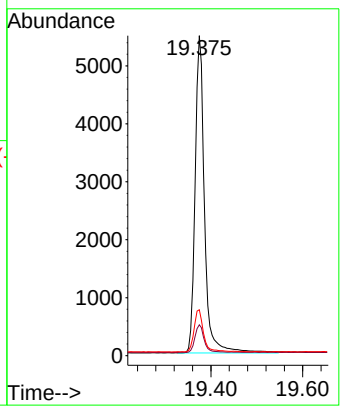




#31
Terphenyl-d14
Concen: 0.397 ng
RT: 19.375 min Scan# 2
Delta R.T. -0.014 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Tgt Ion:244 Resp: 778

Ion	Ratio	Lower	Upper
244	100		
212	9.7	8.1	12.1
122	14.4	10.3	15.5



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

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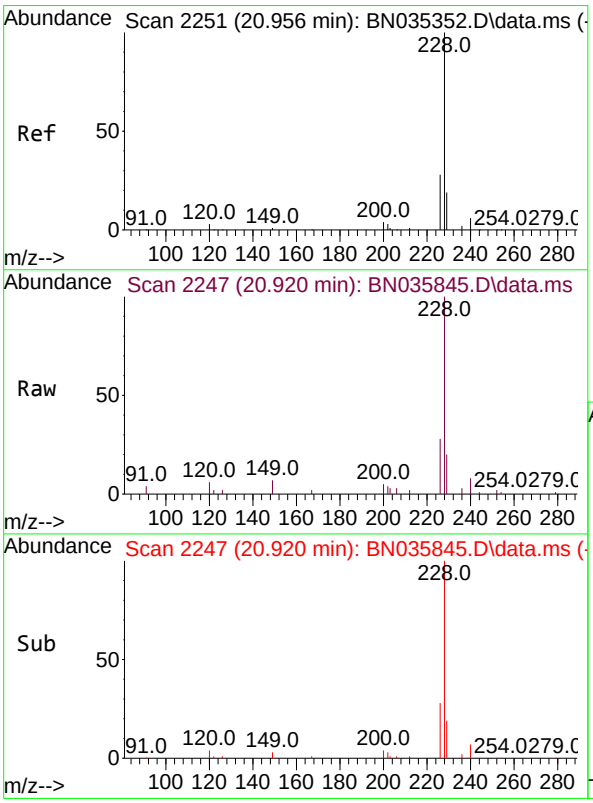
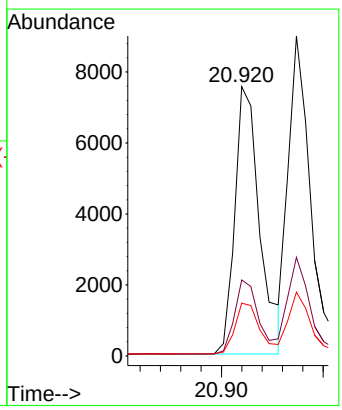
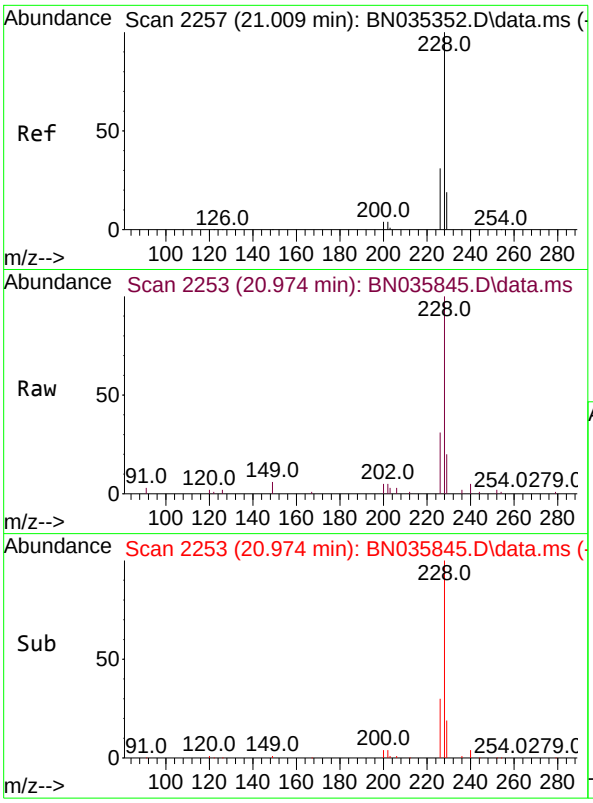


#32
Benzo(a)anthracene
Concen: 0.368 ng
RT: 20.920 min Scan# 2247
Delta R.T. -0.018 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Tgt Ion:228 Resp: 12798

Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.5	33.7
229	19.6	15.8	23.8

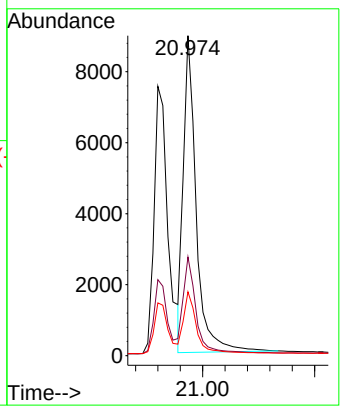




#33
Chrysene
Concen: 0.397 ng
RT: 20.974 min Scan# 2
Delta R.T. -0.018 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Tgt Ion:228 Resp: 1421

Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.6	37.0
229	20.0	15.9	23.9



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

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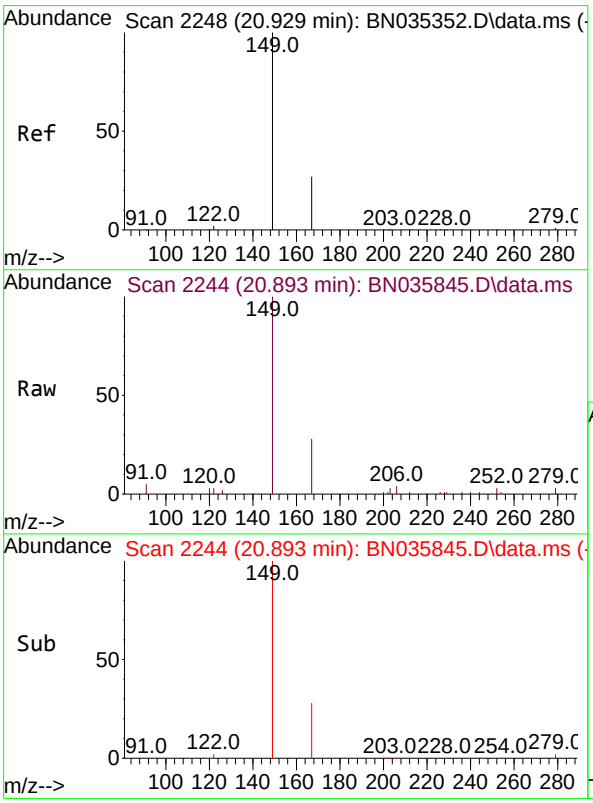
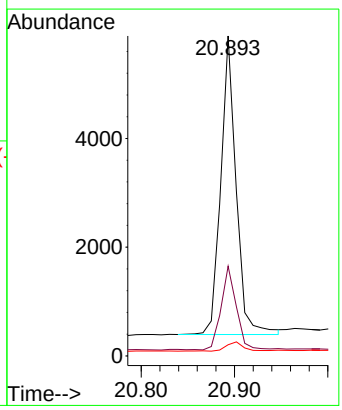
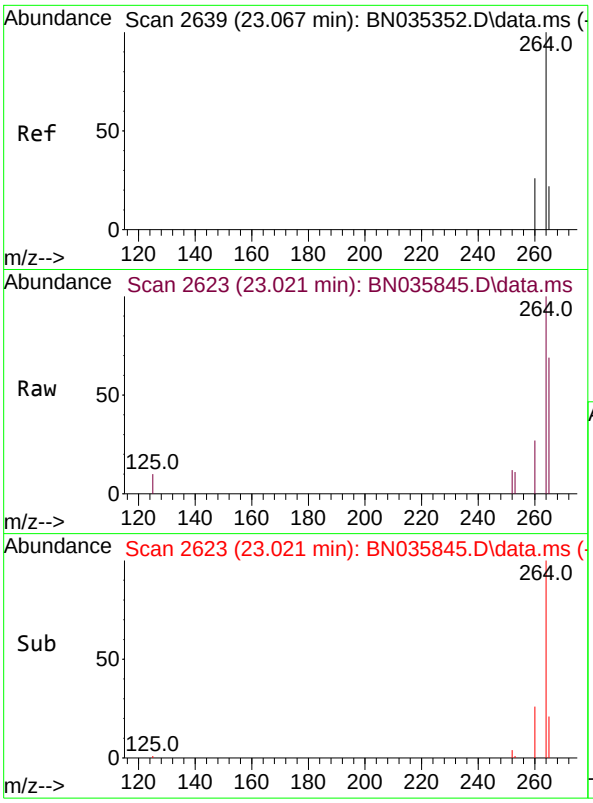


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.458 ng
RT: 20.893 min Scan# 2244
Delta R.T. -0.018 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Tgt Ion:149 Resp: 6282

Ion	Ratio	Lower	Upper
149	100		
167	27.6	22.2	33.4
279	3.4	2.7	4.1

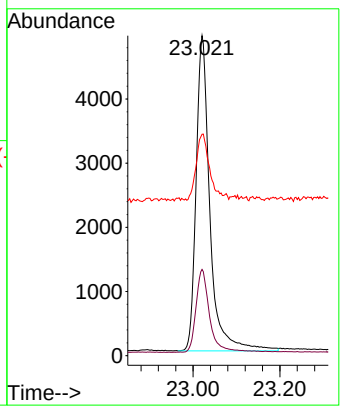




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.021 min Scan# 2
Delta R.T. -0.021 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Tgt Ion:264 Resp: 1081

Ion	Ratio	Lower	Upper
264	100		
260	27.0	21.4	32.2
265	69.2	40.2	60.4



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

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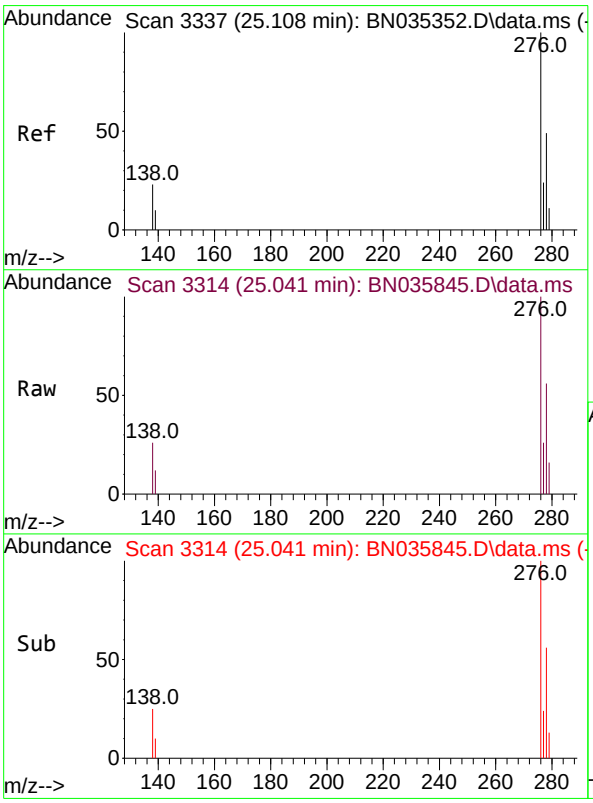
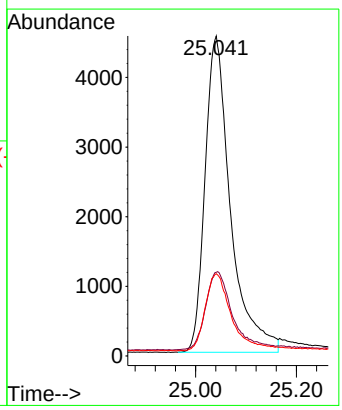
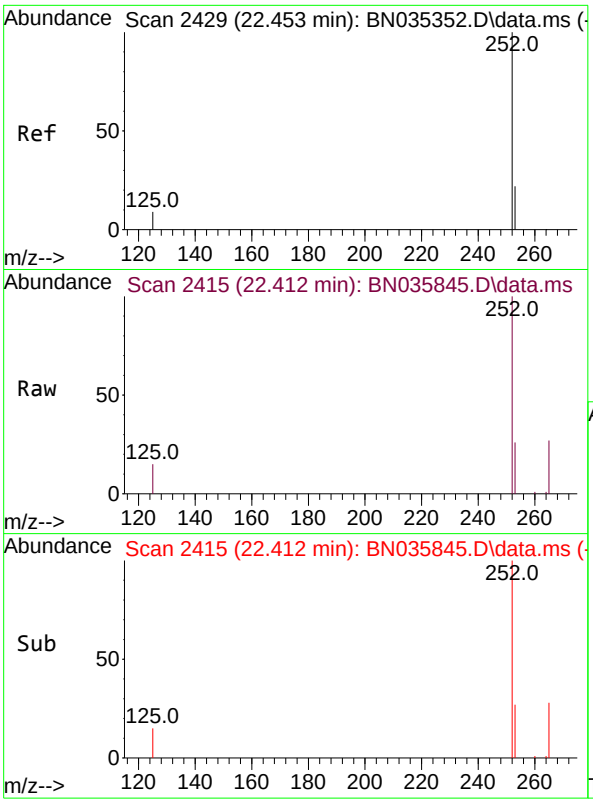


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.377 ng
RT: 25.041 min Scan# 3314
Delta R.T. -0.026 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Tgt Ion:276 Resp: 15946

Ion	Ratio	Lower	Upper
276	100		
138	26.4	19.4	29.0
277	25.7	19.8	29.6

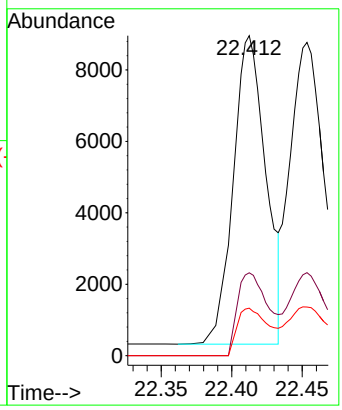




#37
Benzo(b)fluoranthene
Concen: 0.494 ng
RT: 22.412 min Scan# 24
Delta R.T. -0.018 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Tgt Ion:252 Resp: 1956

Ion	Ratio	Lower	Upper
252	100		
253	25.9	19.6	29.4
125	14.9	9.6	14.4#



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

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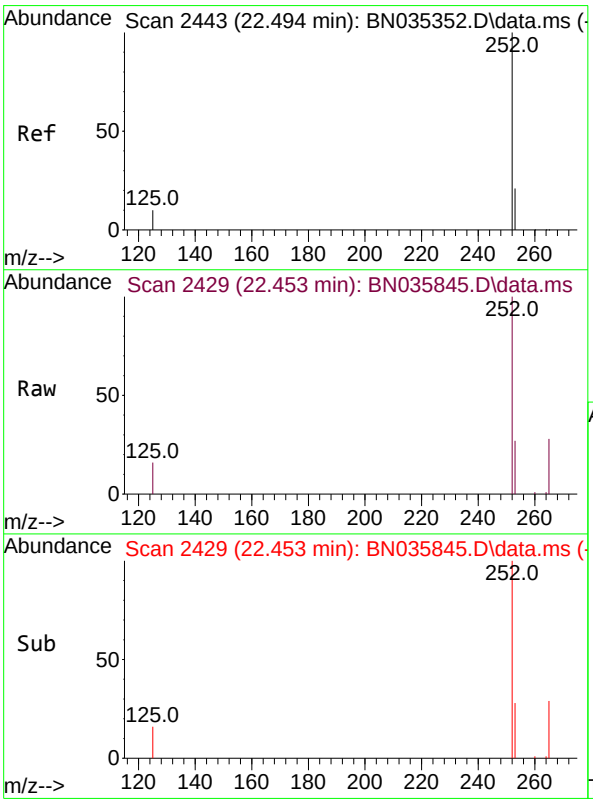
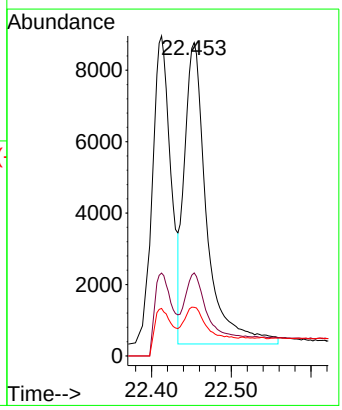
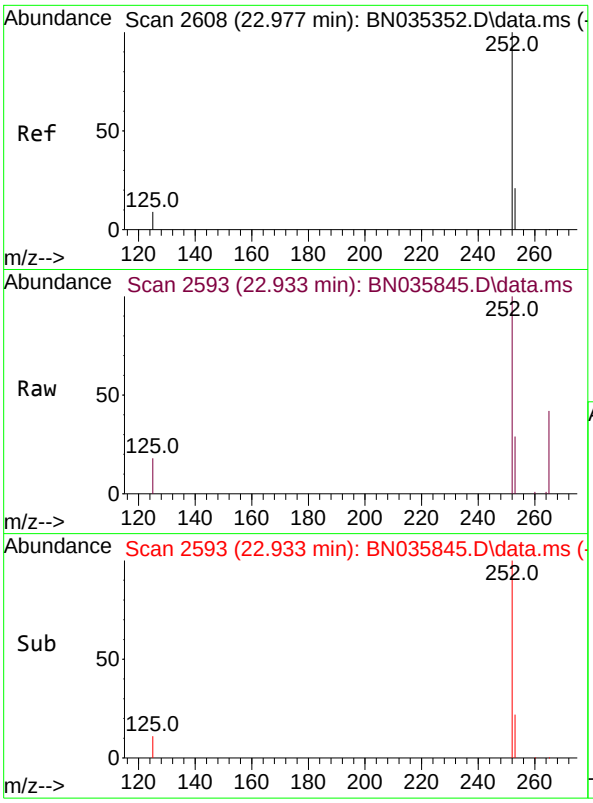


#38
Benzo(k)fluoranthene
Concen: 0.423 ng m
RT: 22.453 min Scan# 2429
Delta R.T. -0.018 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Tgt Ion:252 Resp: 16469

Ion	Ratio	Lower	Upper
252	100		
253	26.5	19.5	29.3
125	15.5	10.2	15.4#

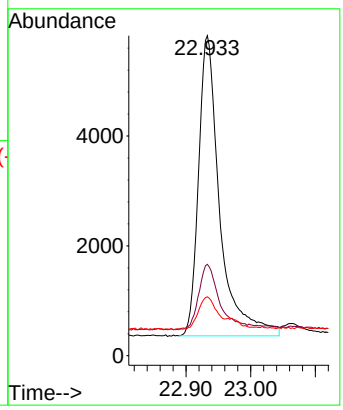




#39
Benzo(a)pyrene
Concen: 0.382 ng
RT: 22.933 min Scan# 2
Delta R.T. -0.018 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Tgt Ion:252 Resp: 1245

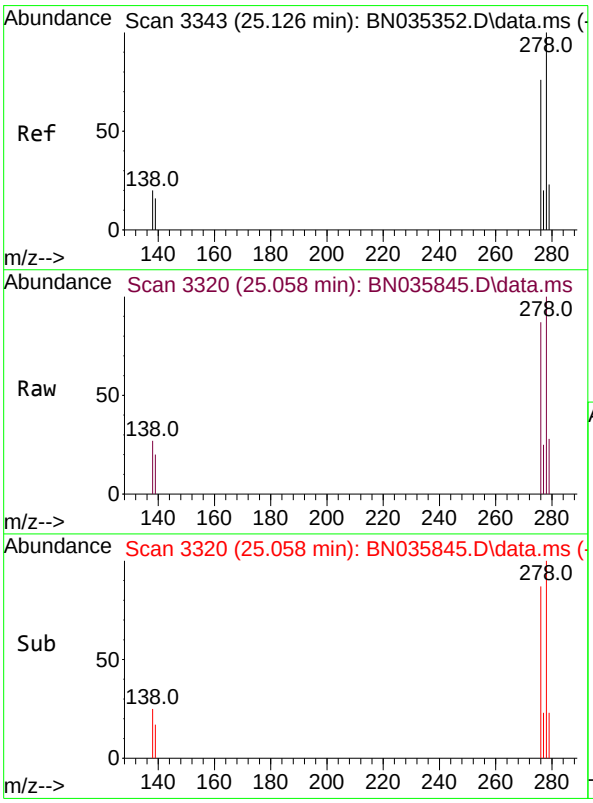
Ion	Ratio	Lower	Upper
252	100		
253	28.6	20.2	30.4
125	18.4	10.9	16.3



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Manual Integrations
APPROVED

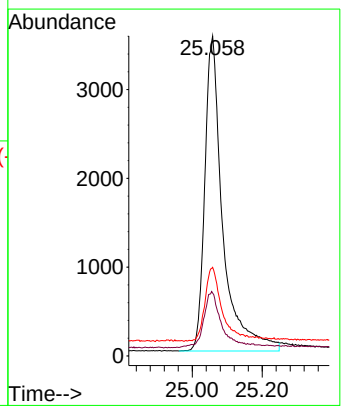
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

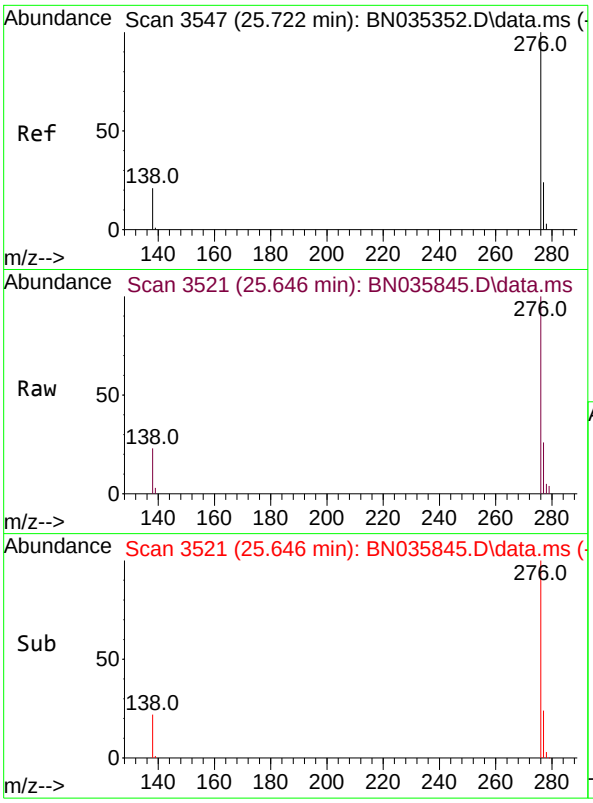


#40
Dibenzo(a,h)anthracene
Concen: 0.380 ng
RT: 25.058 min Scan# 3320
Delta R.T. -0.024 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Tgt Ion:278 Resp: 12678

Ion	Ratio	Lower	Upper
278	100		
139	19.7	14.2	21.4
279	27.7	20.5	30.7

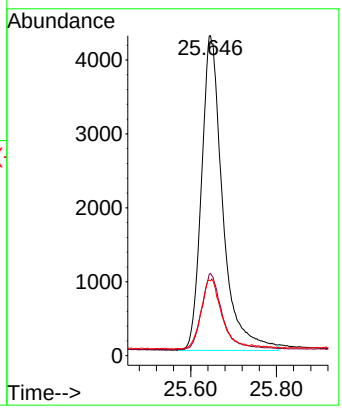




#41
Benzo(g,h,i)perylene
Concen: 0.419 ng
RT: 25.646 min Scan# 3
Delta R.T. -0.032 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Tgt Ion:276 Resp: 1461

Ion	Ratio	Lower	Upper
276	100		
277	25.7	19.9	29.9
138	23.5	17.8	26.8



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122624\
Data File : BN035845.D
Acq On : 26 Dec 2024 09:58
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Quant Time: Dec 27 00:40:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	183#	-0.01
2		1,4-Dioxane	0.382	0.405	-6.0	197#	0.00
3		n-Nitrosodimethylamine	0.319	0.326	-2.2	183#	0.00
4	S	2-Fluorophenol	1.001	1.006	-0.5	181#	-0.01
5	S	Phenol-d6	1.204	1.112	7.6	171#	-0.02
6		bis(2-Chloroethyl)ether	1.012	0.958	5.3	177#	-0.02
7	I	Naphthalene-d8	1.000	1.000	0.0	178#	-0.02
8	S	Nitrobenzene-d5	0.244	0.298	-22.1	226#	-0.01
9		Naphthalene	1.055	1.013	4.0	172#	-0.02
10		Hexachlorobutadiene	0.243	0.252	-3.7	182#	-0.02
11	SURR	2-Methylnaphthalene-d10	0.626	0.545	12.9	157#	-0.02
12		2-Methylnaphthalene	0.755	0.637	15.6	154#	-0.02
13	I	Acenaphthene-d10	1.000	1.000	0.0	142	-0.02
14	S	2,4,6-Tribromophenol	0.284	0.248	12.7	137	-0.02
15	S	2-Fluorobiphenyl	1.512	1.504	0.5	141	-0.02
16		Acenaphthylene	1.680	1.548	7.9	138	-0.02
17		Acenaphthene	1.115	1.057	5.2	138	-0.02
18		Fluorene	1.596	1.397	12.5	128	-0.02
19	I	Phenanthrene-d10	1.000	1.000	0.0	119	-0.01
20		4,6-Dinitro-2-methylphenol	0.039	0.047	-20.5	156#	-0.02
21		4-Bromophenyl-phenylether	0.234	0.217	7.3	114	-0.02
22		Hexachlorobenzene	0.275	0.309	-12.4	134	-0.02
23		Atrazine	0.167	0.164	1.8	126	-0.01
24		Pentachlorophenol	0.120	0.123	-2.5	153#	-0.01
25		Phenanthrene	1.099	1.030	6.3	115	-0.02
26		Anthracene	0.994	0.888	10.7	112	-0.01
27	SURR	Fluoranthene-d10	1.134	0.991	12.6	109	-0.02
28		Fluoranthene	1.481	1.287	13.1	108	-0.01
29	I	Chrysene-d12	1.000	1.000	0.0	104	-0.02
30		Pyrene	1.477	1.538	-4.1	109	-0.02
31	S	Terphenyl-d14	0.789	0.784	0.6	103	-0.01
32		Benzo(a)anthracene	1.399	1.289	7.9	99	-0.02
33		Chrysene	1.443	1.431	0.8	104	-0.02
34		Bis(2-ethylhexyl)phthalate	0.553	0.633	-14.5	128	-0.02
35	I	Perylene-d12	1.000	1.000	0.0	100	-0.02
36		Indeno(1,2,3-cd)pyrene	1.564	1.474	5.8	96	-0.03
37		Benzo(b)fluoranthene	1.463	1.809	-23.7	137	-0.02
38		Benzo(k)fluoranthene	1.440	1.523	-5.8	108	-0.02
39	C	Benzo(a)pyrene	1.205	1.152	4.4	100	-0.02
40		Dibenzo(a,h)anthracene	1.234	1.172	5.0	98	-0.02
41		Benzo(g,h,i)perylene	1.289	1.351	-4.8	108	-0.03

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122624\
Data File : BN035845.D
Acq On : 26 Dec 2024 09:58
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Quant Time: Dec 27 00:40:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	0.400	0.400	0.0	183	-0.01
2		1,4-Dioxane	0.400	0.423	-5.7	197	0.00
3		n-Nitrosodimethylamine	0.400	0.409	-2.2	183	0.00
4	S	2-Fluorophenol	0.400	0.402	-0.5	181	-0.01
5	S	Phenol-d6	0.400	0.369	7.8	171	-0.02
6		bis(2-Chloroethyl)ether	0.400	0.379	5.3	177	-0.02
7	I	Naphthalene-d8	0.400	0.400	0.0	178	-0.02
8	S	Nitrobenzene-d5	0.400	0.488	-22.0	226	-0.01
9		Naphthalene	0.400	0.384	4.0	172	-0.02
10		Hexachlorobutadiene	0.400	0.415	-3.7	182	-0.02
11	SURR	2-Methylnaphthalene-d10	0.400	0.348	13.0	157	-0.02
12		2-Methylnaphthalene	0.400	0.337	15.8	154	-0.02
13	I	Acenaphthene-d10	0.400	0.400	0.0	142	-0.02
14	S	2,4,6-Tribromophenol	0.400	0.350	12.5	137	-0.02
15	S	2-Fluorobiphenyl	0.400	0.398	0.5	141	-0.02
16		Acenaphthylene	0.400	0.369	7.8	138	-0.02
17		Acenaphthene	0.400	0.379	5.3	138	-0.02
18		Fluorene	0.400	0.350	12.5	128	-0.02
19	I	Phenanthrene-d10	0.400	0.400	0.0	119	-0.01
20		4,6-Dinitro-2-methylphenol	0.400	0.475	-18.7	156	-0.02
21		4-Bromophenyl-phenylether	0.400	0.371	7.3	114	-0.02
22		Hexachlorobenzene	0.400	0.450	-12.5	134	-0.02
23		Atrazine	0.400	0.393	1.8	126	-0.01
24		Pentachlorophenol	0.400	0.411	-2.7	153	-0.01
25		Phenanthrene	0.400	0.375	6.3	115	-0.02
26		Anthracene	0.400	0.358	10.5	112	-0.01
27	SURR	Fluoranthene-d10	0.400	0.350	12.5	109	-0.02
28		Fluoranthene	0.400	0.347	13.3	108	-0.01
29	I	Chrysene-d12	0.400	0.400	0.0	104	-0.02
30		Pyrene	0.400	0.417	-4.2	109	-0.02
31	S	Terphenyl-d14	0.400	0.397	0.8	103	-0.01
32		Benzo(a)anthracene	0.400	0.368	8.0	99	-0.02
33		Chrysene	0.400	0.397	0.8	104	-0.02
34		Bis(2-ethylhexyl)phthalate	0.400	0.458	-14.5	128	-0.02
35	I	Perylene-d12	0.400	0.400	0.0	100	-0.02
36		Indeno(1,2,3-cd)pyrene	0.400	0.377	5.8	96	-0.03
37		Benzo(b)fluoranthene	0.400	0.494	-23.5	137	-0.02
38		Benzo(k)fluoranthene	0.400	0.423	-5.7	108	-0.02
39	C	Benzo(a)pyrene	0.400	0.382	4.5	100	-0.02
40		Dibenzo(a,h)anthracene	0.400	0.380	5.0	98	-0.02
41		Benzo(g,h,i)perylene	0.400	0.419	-4.7	108	-0.03

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

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: P5261 SAS No.: P5261 SDG No.: P5261

Instrument ID: BNA_N Calibration Date/Time: 12/26/2024 19:41

Lab File ID: BN035861.D Init. Calib. Date(s): 11/27/2024 11/27/2024

EPA Sample No.: SSTDCCC0.4EC Init. Calib. Time(s): 15:34 19:09

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.626	0.551		-12.0	50.0
Fluoranthene-d10	1.134	0.922		-18.7	50.0
2-Fluorophenol	1.001	0.931		-7.0	50.0
Phenol-d6	1.204	1.022		-15.1	50.0
Nitrobenzene-d5	0.244	0.306		25.4	50.0
2-Fluorobiphenyl	1.512	1.480		-2.1	50.0
2,4,6-Tribromophenol	0.284	0.225		-20.8	50.0
Terphenyl-d14	0.789	0.898		13.8	50.0
1,4-Dioxane	0.382	0.394		3.1	50.0

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122624\
Data File : BN035861.D
Acq On : 26 Dec 2024 19:41
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 27 00:42:36 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.257	152	3087	0.400	ng		-0.01
7) Naphthalene-d8	9.999	136	7239	0.400	ng		-0.02
13) Acenaphthene-d10	13.914	164	4472	0.400	ng		-0.02
19) Phenanthrene-d10	16.686	188	9373	0.400	ng		#-0.01
29) Chrysene-d12	20.947	240	6021	0.400	ng		# 0.00
35) Perylene-d12	23.026	264	5699	0.400	ng		#-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	4.924	112	2874	0.372	ng		-0.01
5) Phenol-d6	6.470	99	3155	0.340	ng		-0.02
8) Nitrobenzene-d5	8.397	82	2215m	0.501	ng		-0.01
11) 2-Methylnaphthalene-d10	11.605	152	3987	0.352	ng		-0.02
14) 2,4,6-Tribromophenol	15.443	330	1008	0.318	ng		-0.01
15) 2-Fluorobiphenyl	12.528	172	6619	0.392	ng		-0.02
27) Fluoranthene-d10	18.747	212	8643	0.325	ng		-0.01
31) Terphenyl-d14	19.379	244	5407	0.455	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.974	88	1215	0.412	ng		96
3) n-Nitrosodimethylamine	3.271	42	1021	0.415	ng	#	90
6) bis(2-Chloroethyl)ether	6.708	93	2725	0.349	ng		98
9) Naphthalene	10.052	128	7516	0.394	ng		100
10) Hexachlorobutadiene	10.340	225	1992	0.452	ng	#	99
12) 2-Methylnaphthalene	11.682	142	4745	0.347	ng		99
16) Acenaphthylene	13.625	152	6923	0.369	ng		100
17) Acenaphthene	13.978	154	4776	0.383	ng		99
18) Fluorene	14.983	166	6478	0.363	ng		99
20) 4,6-Dinitro-2-methylph...	15.111	198	453	0.492	ng	#	67
21) 4-Bromophenyl-phenylether	15.904	248	2071	0.378	ng	#	96
22) Hexachlorobenzene	15.991	284	3015	0.468	ng		98
23) Atrazine	16.202	200	1507	0.386	ng		94
24) Pentachlorophenol	16.363	266	846	0.302	ng	#	84
25) Phenanthrene	16.736	178	9697	0.377	ng		100
26) Anthracene	16.822	178	8100	0.348	ng		99
28) Fluoranthene	18.780	202	11145	0.321	ng		99
30) Pyrene	19.147	202	11492	0.517	ng		99
32) Benzo(a)anthracene	20.929	228	6901	0.328	ng		99
33) Chrysene	20.983	228	9578	0.441	ng		99
34) Bis(2-ethylhexyl)phtha...	20.893	149	4069	0.489	ng		99
36) Indeno(1,2,3-cd)pyrene	25.050	276	9030	0.405	ng		98
37) Benzo(b)fluoranthene	22.418	252	11803	0.566	ng	#	92
38) Benzo(k)fluoranthene	22.459	252	9638	0.470	ng	#	90
39) Benzo(a)pyrene	22.939	252	6641	0.387	ng	#	82
40) Dibenzo(a,h)anthracene	25.070	278	6633	0.377	ng	#	91
41) Benzo(g,h,i)perylene	25.652	276	8300	0.452	ng		95

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

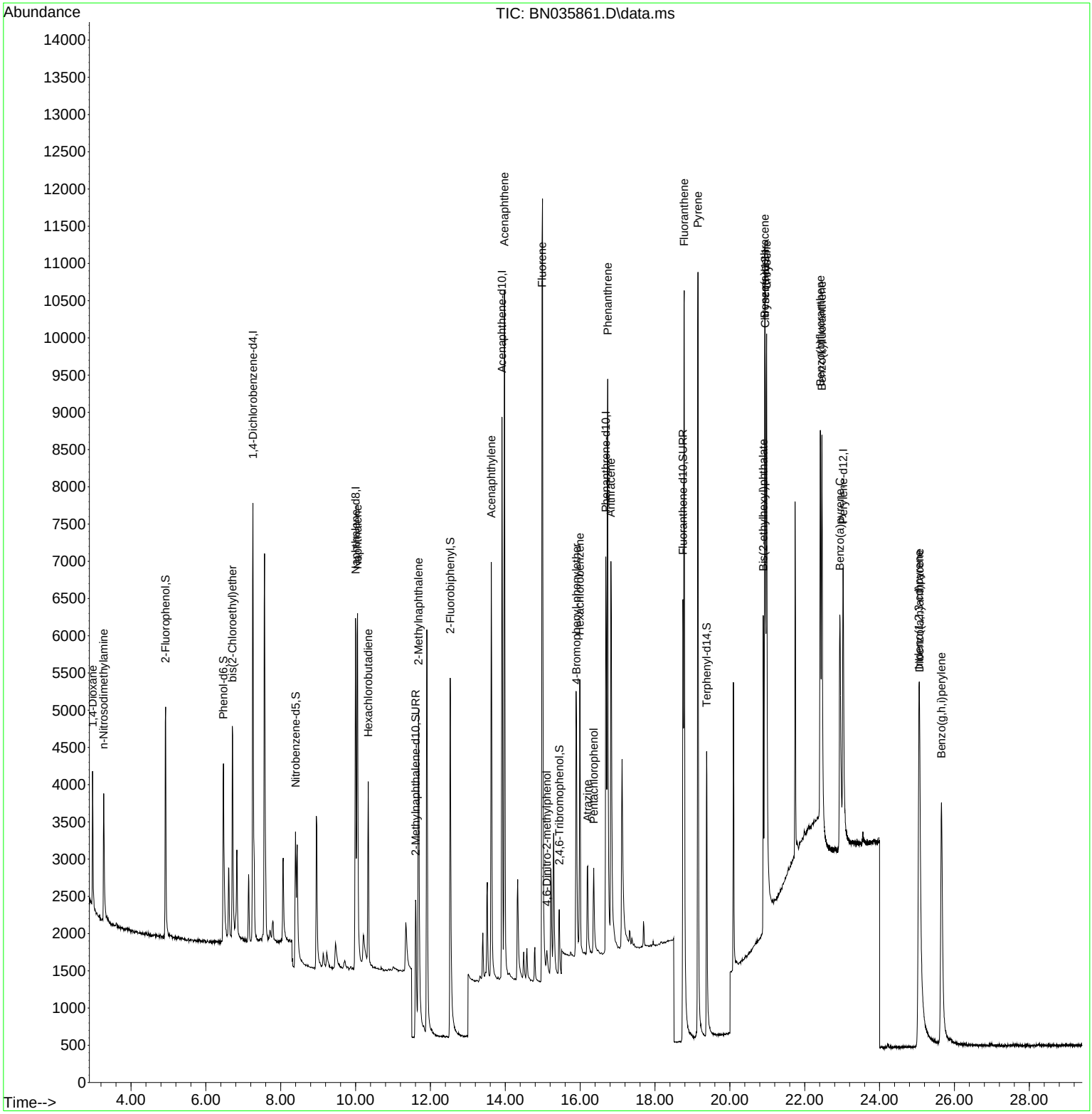
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122624\
Data File : BN035861.D
Acq On : 26 Dec 2024 19:41
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

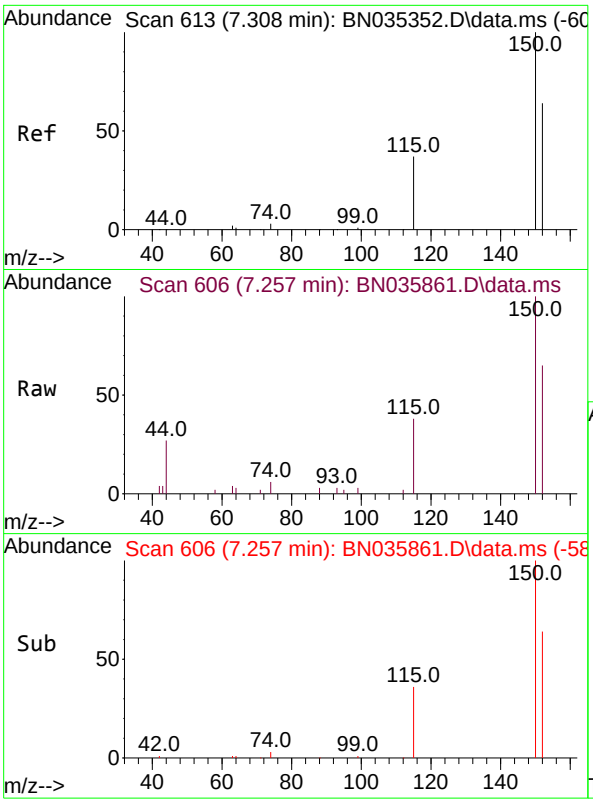
Quant Time: Dec 27 00:42:36 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

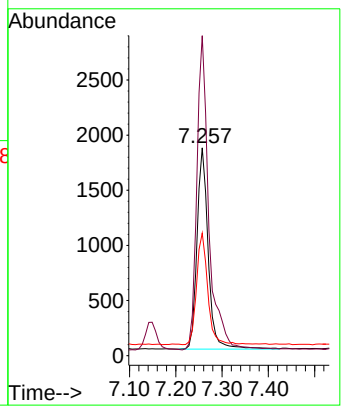




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.257 min Scan# 6
Delta R.T. -0.015 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Tgt Ion:152 Resp: 308

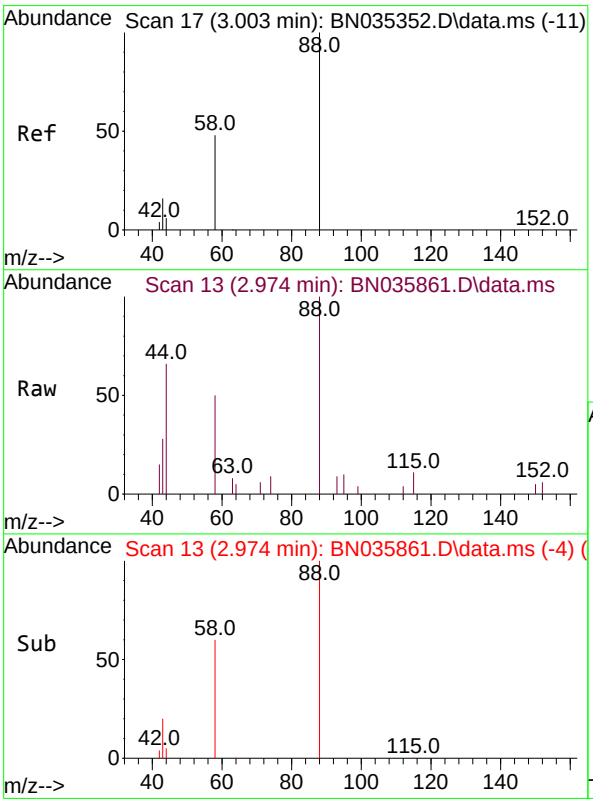
Ion	Ratio	Lower	Upper
152	100		
150	154.0	124.0	186.0
115	58.9	49.6	74.4



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations APPROVED

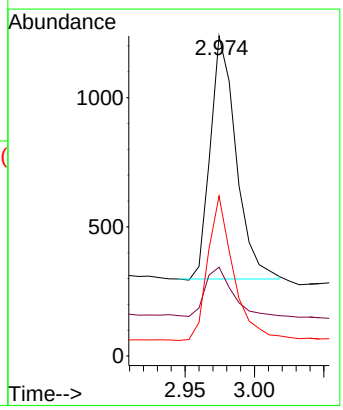
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

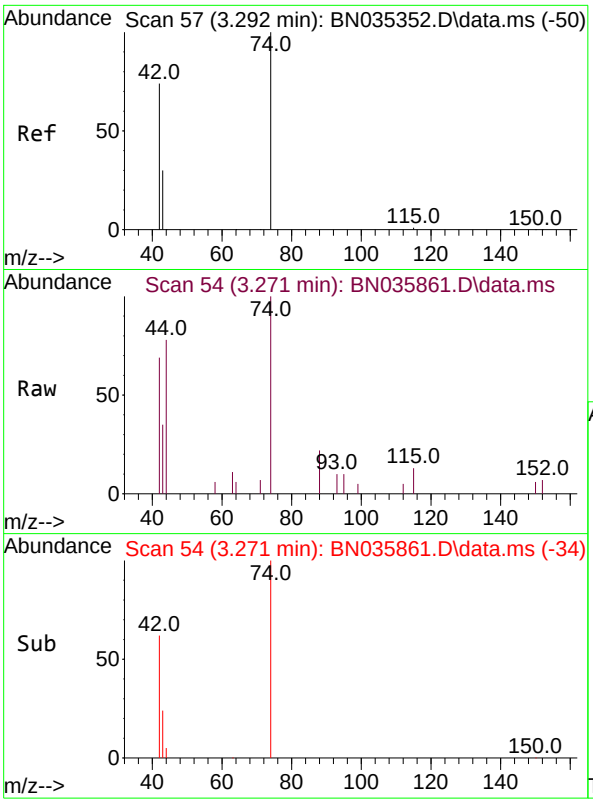


#2
1,4-Dioxane
Concen: 0.412 ng
RT: 2.974 min Scan# 13
Delta R.T. -0.008 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Tgt Ion: 88 Resp: 1215

Ion	Ratio	Lower	Upper
88	100		
43	20.1	17.2	25.8
58	59.1	44.5	66.7

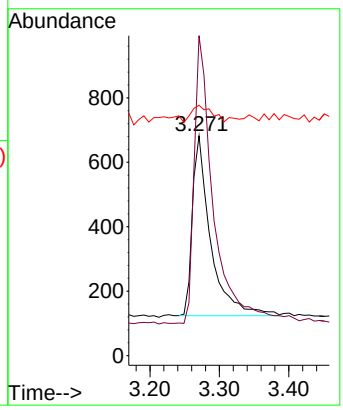




#3
n-Nitrosodimethylamine
Concen: 0.415 ng
RT: 3.271 min Scan# 54
Delta R.T. -0.007 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Tgt Ion: 42 Resp: 102

Ion	Ratio	Lower	Upper
42	100		
74	169.1	124.9	187.3
44	10.6	2.2	3.4



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

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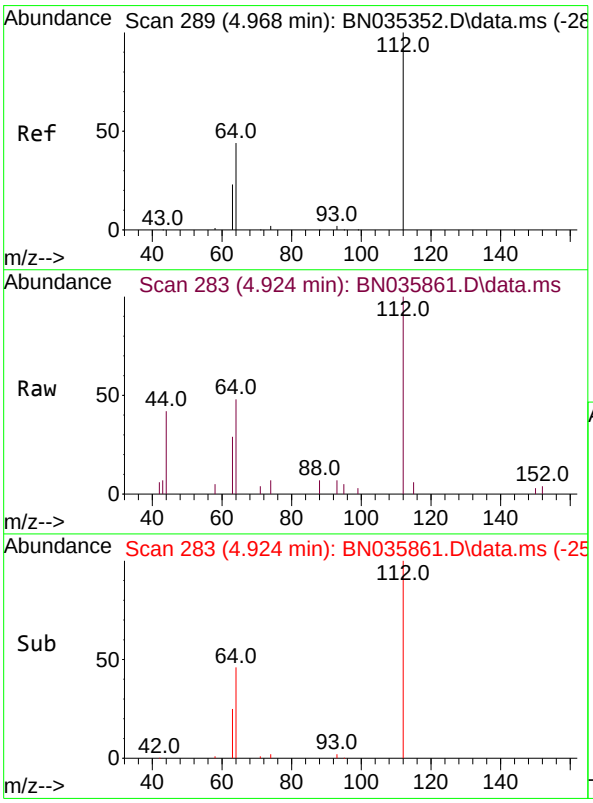
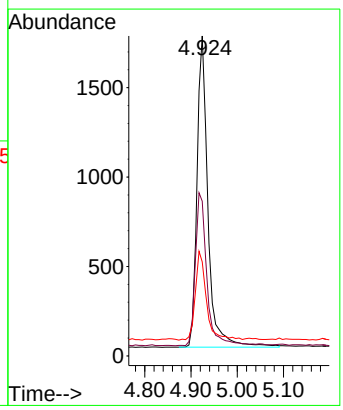
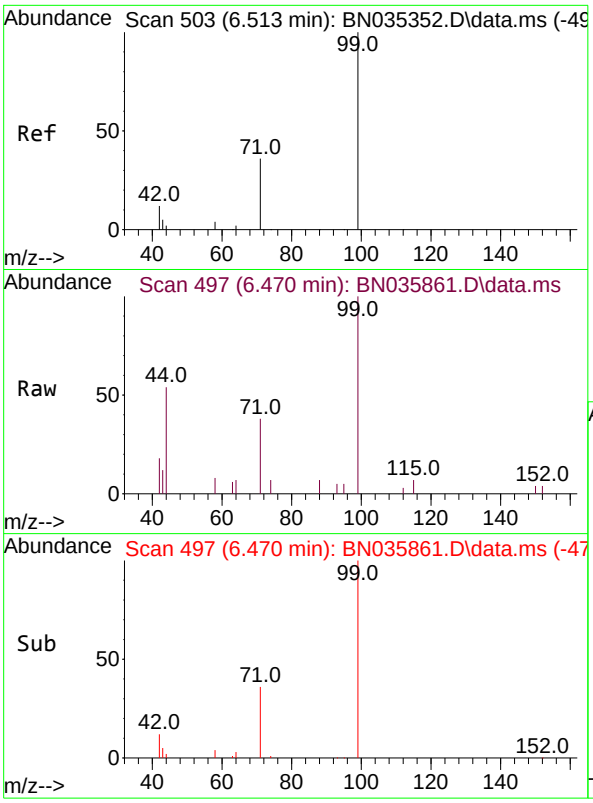


#4
2-Fluorophenol
Concen: 0.372 ng
RT: 4.924 min Scan# 283
Delta R.T. -0.015 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Tgt Ion:112 Resp: 2874

Ion	Ratio	Lower	Upper
112	100		
64	51.6	39.8	59.8
63	28.9	21.0	31.6

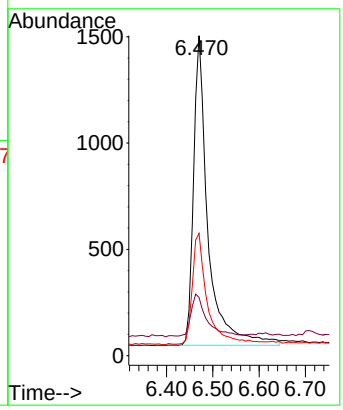




#5
Phenol-d6
Concen: 0.340 ng
RT: 6.470 min Scan# 4
Delta R.T. -0.022 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Tgt Ion: 99 Resp: 315

Ion	Ratio	Lower	Upper
99	100		
42	14.5	11.4	17.2
71	37.3	29.3	43.9



Instrument :
BNA_N
ClientSampleId :
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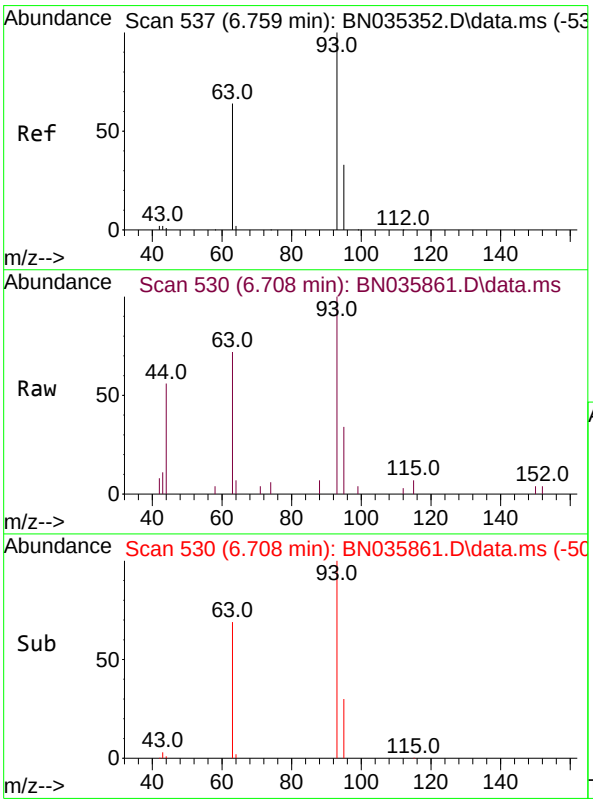
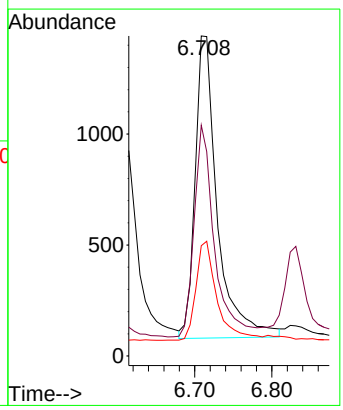
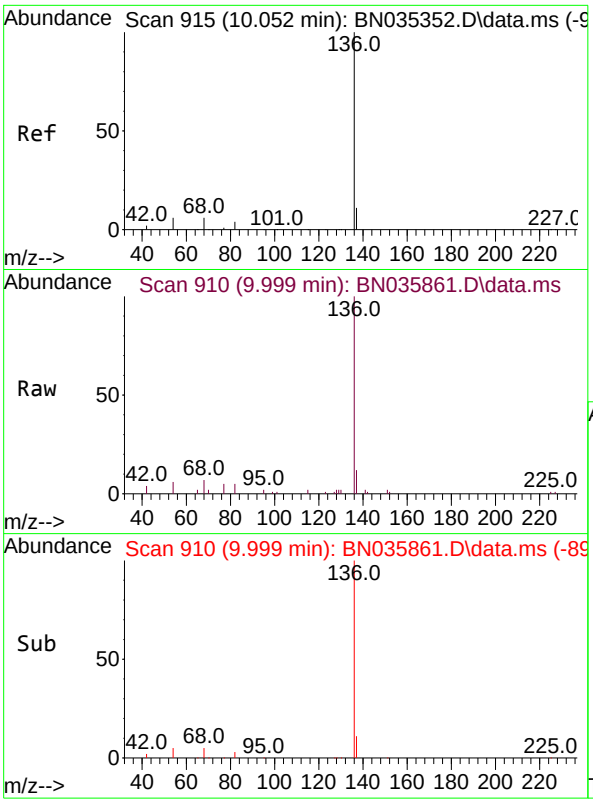


#6
bis(2-Chloroethyl)ether
Concen: 0.349 ng
RT: 6.708 min Scan# 530
Delta R.T. -0.022 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Tgt Ion: 93 Resp: 2725

Ion	Ratio	Lower	Upper
93	100		
63	64.1	50.4	75.6
95	31.0	25.7	38.5

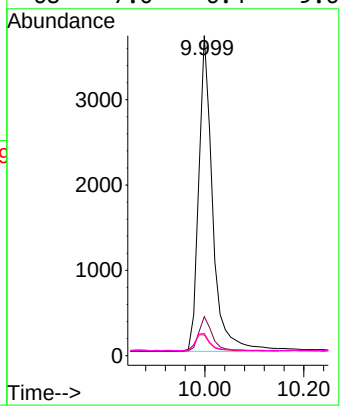




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 9.999 min Scan# 9
Delta R.T. -0.021 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Tgt Ion:136 Resp: 723

Ion	Ratio	Lower	Upper
136	100		
137	12.2	10.2	15.2
54	6.5	6.1	9.1
68	7.0	6.4	9.6



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

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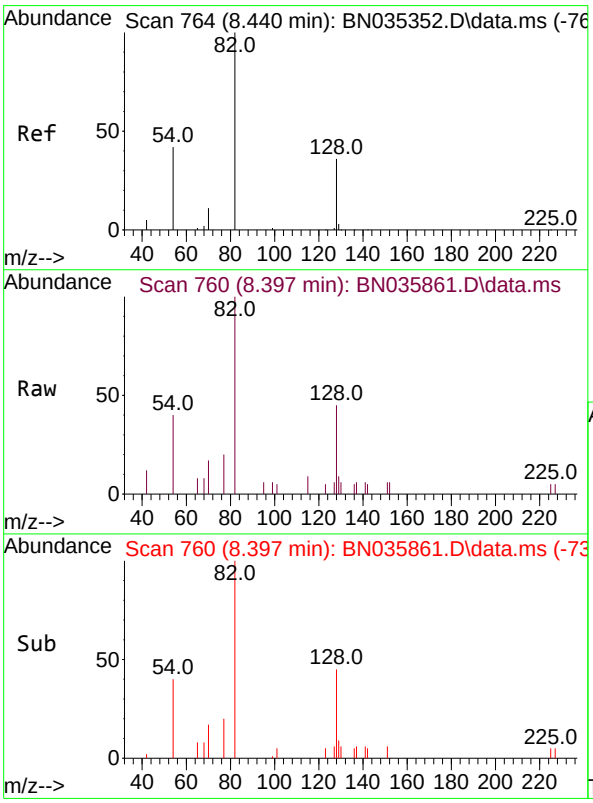
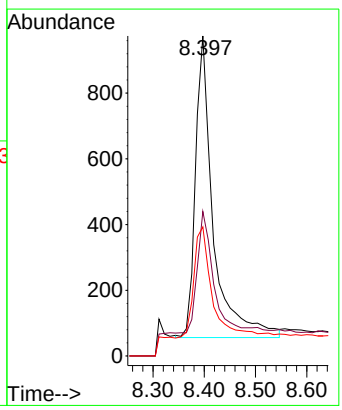
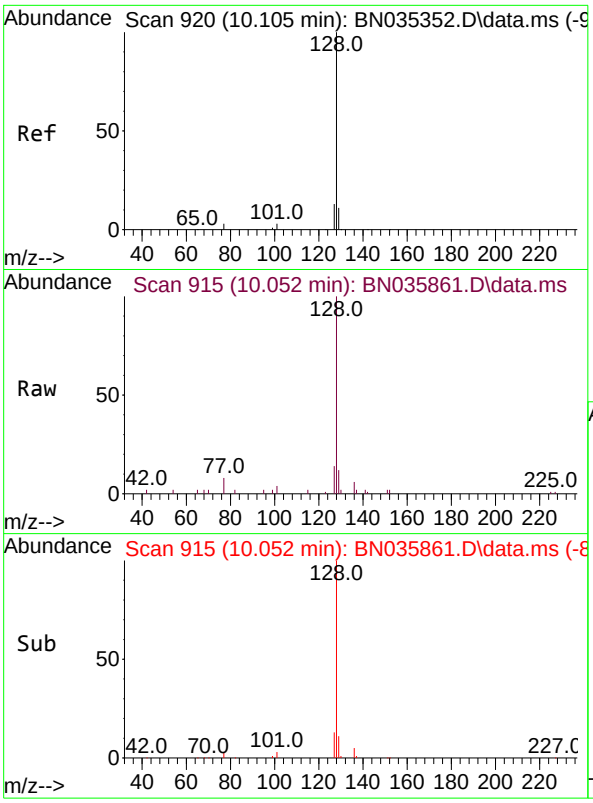


#8
Nitrobenzene-d5
Concen: 0.501 ng m
RT: 8.397 min Scan# 760
Delta R.T. -0.011 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Tgt Ion: 82 Resp: 2215

Ion	Ratio	Lower	Upper
82	100		
128	45.2	33.4	50.0
54	40.3	36.7	55.1

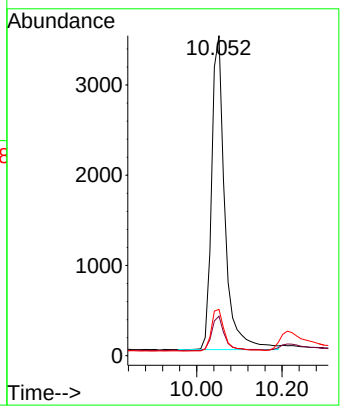




#9
Naphthalene
Concen: 0.394 ng
RT: 10.052 min Scan# 9
Delta R.T. -0.011 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Tgt Ion:128 Resp: 751

Ion	Ratio	Lower	Upper
128	100		
129	12.4	9.8	14.6
127	14.5	11.4	17.2



Instrument :
BNA_N
ClientSampleId :
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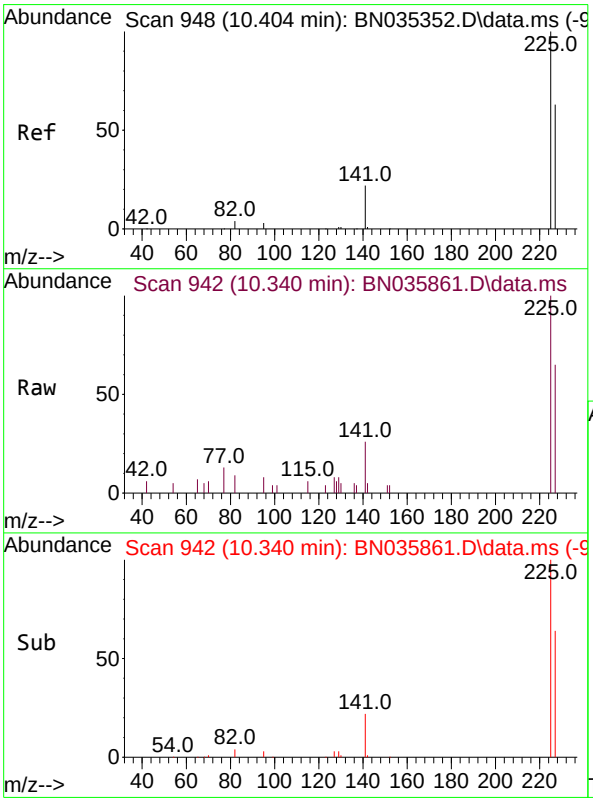
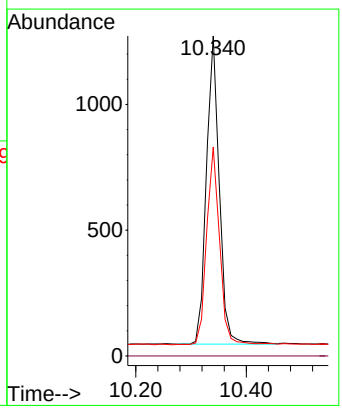
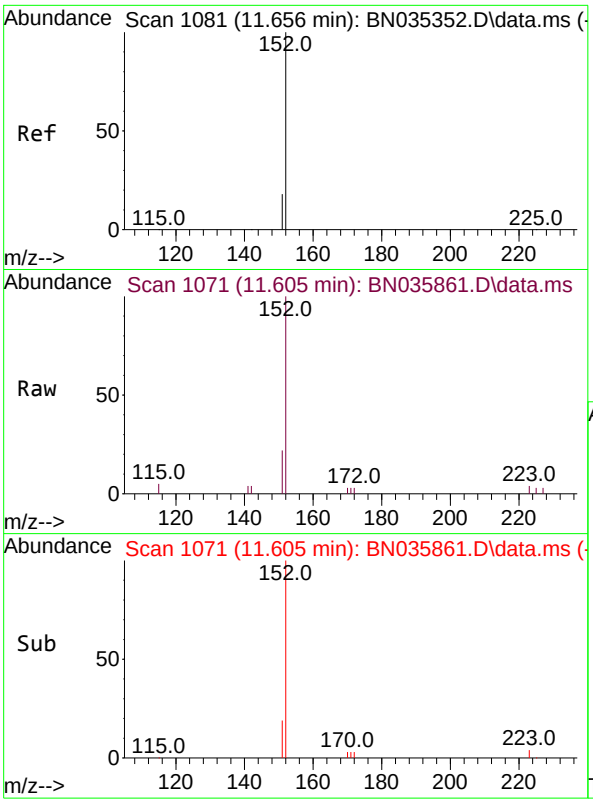


#10
Hexachlorobutadiene
Concen: 0.452 ng
RT: 10.340 min Scan# 942
Delta R.T. -0.021 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Tgt Ion:225 Resp: 1992

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.7	51.3	76.9

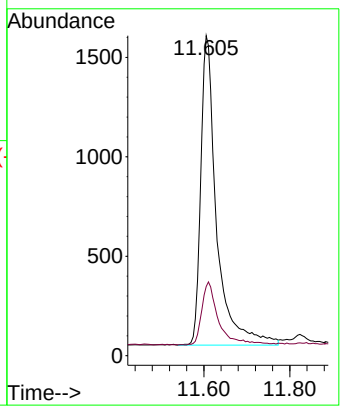




#11
2-Methylnaphthalene-d10
Concen: 0.352 ng
RT: 11.605 min Scan# 1
Delta R.T. -0.015 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Tgt Ion:152 Resp: 398

Ion	Ratio	Lower	Upper
152	100		
151	21.5	16.6	25.0



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

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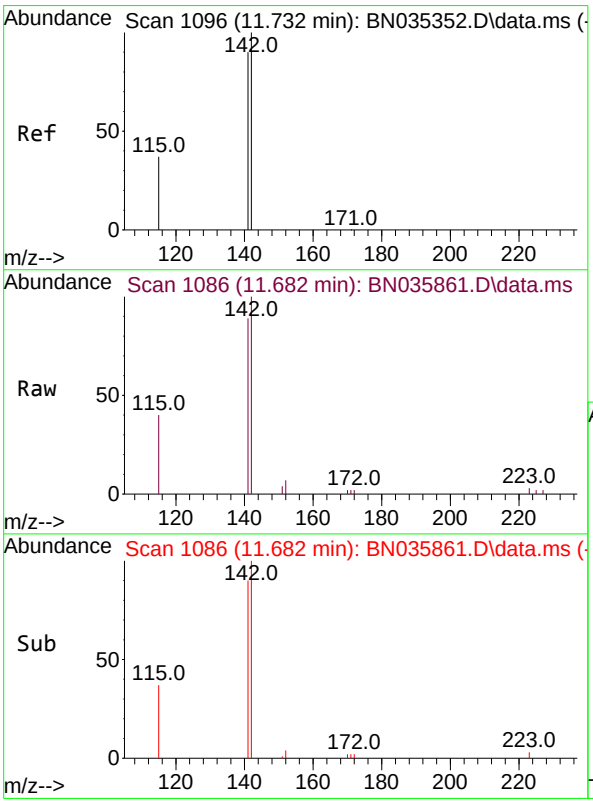
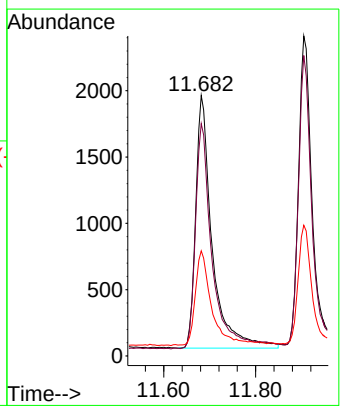
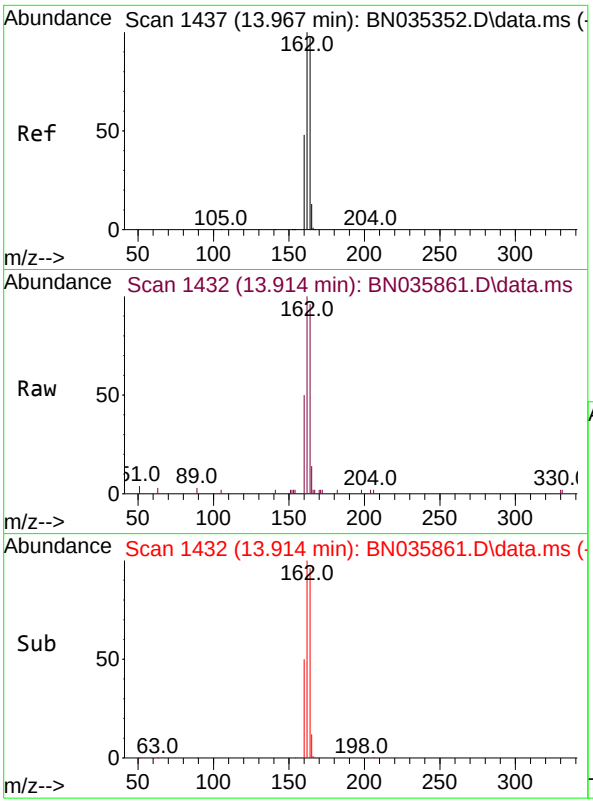


#12
2-Methylnaphthalene
Concen: 0.347 ng
RT: 11.682 min Scan# 1086
Delta R.T. -0.015 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Tgt Ion:142 Resp: 4745

Ion	Ratio	Lower	Upper
142	100		
141	89.2	72.2	108.4
115	40.4	31.4	47.0

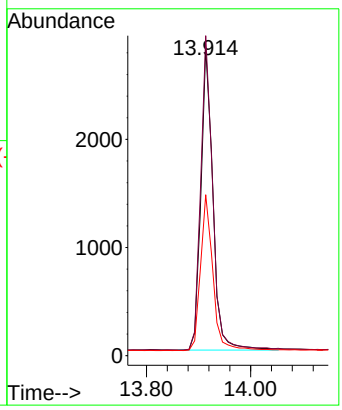




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.914 min Scan# 14
Delta R.T. -0.021 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Tgt Ion:164 Resp: 447

Ion	Ratio	Lower	Upper
164	100		
162	104.0	82.2	123.2
160	52.3	40.1	60.1



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

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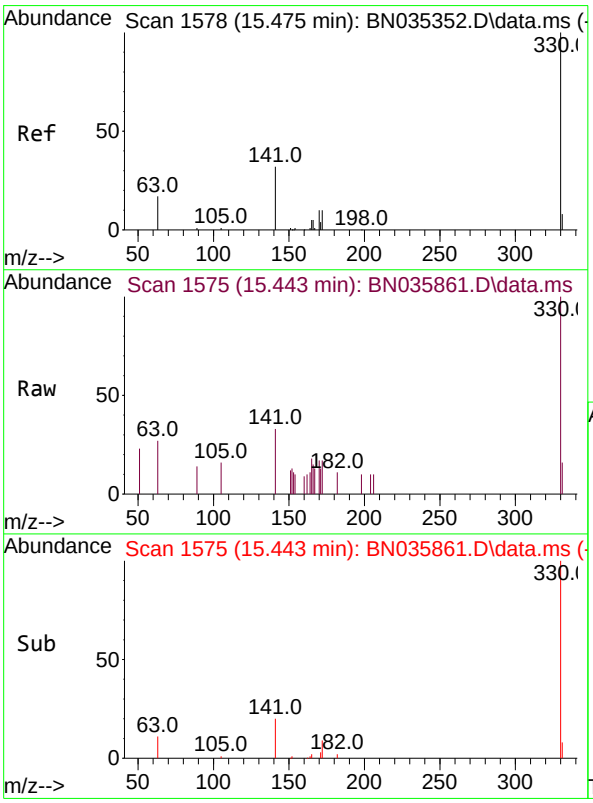
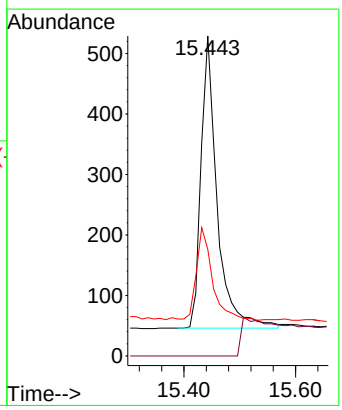
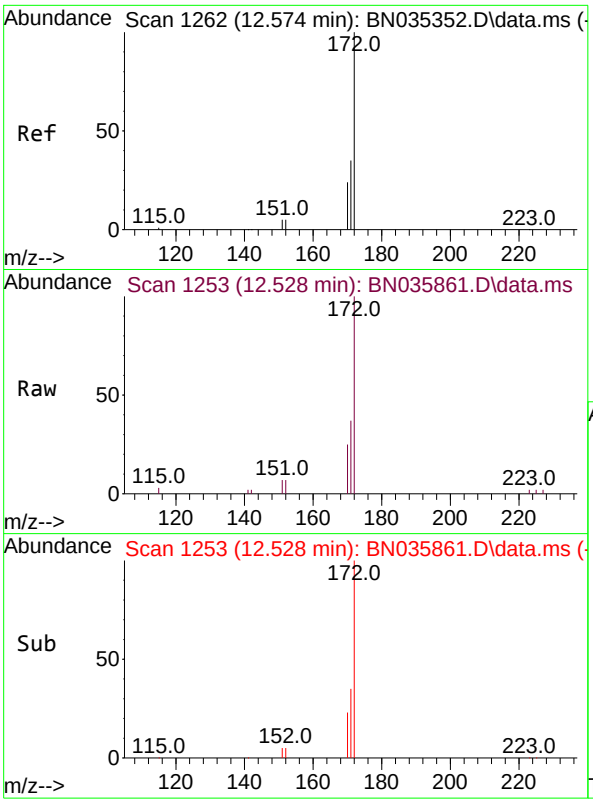


#14
2,4,6-Tribromophenol
Concen: 0.318 ng
RT: 15.443 min Scan# 1575
Delta R.T. -0.011 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Tgt Ion:330 Resp: 1008

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	30.5	26.6	40.0

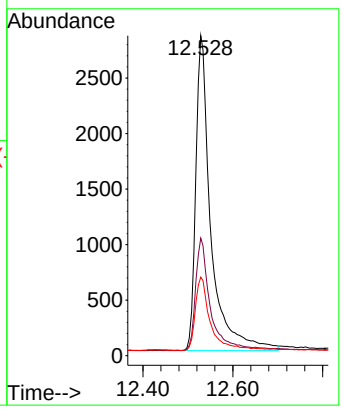




#15
2-Fluorobiphenyl
Concen: 0.392 ng
RT: 12.528 min Scan# 1
Delta R.T. -0.015 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Tgt Ion:172 Resp: 661

Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.0	43.4
170	24.5	19.8	29.8



Instrument :
BNA_N
ClientSampleId :
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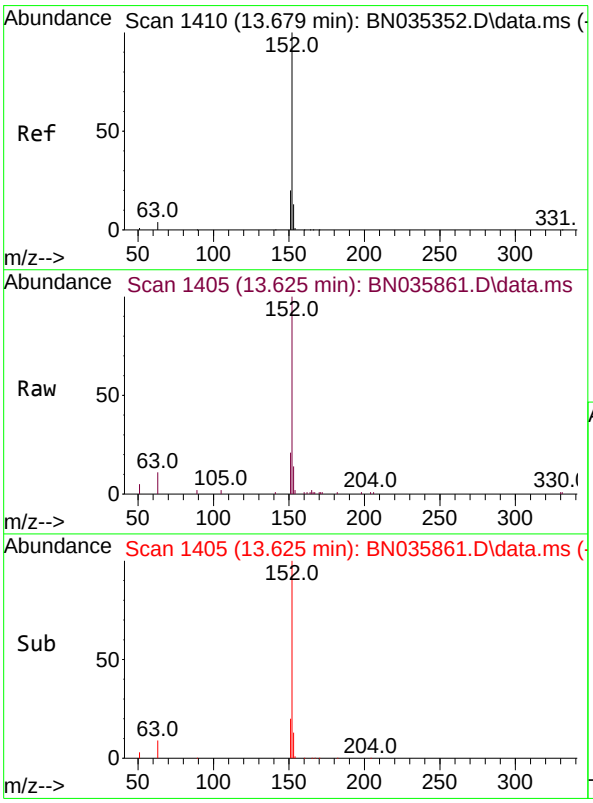
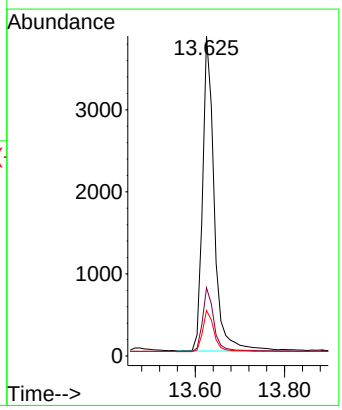
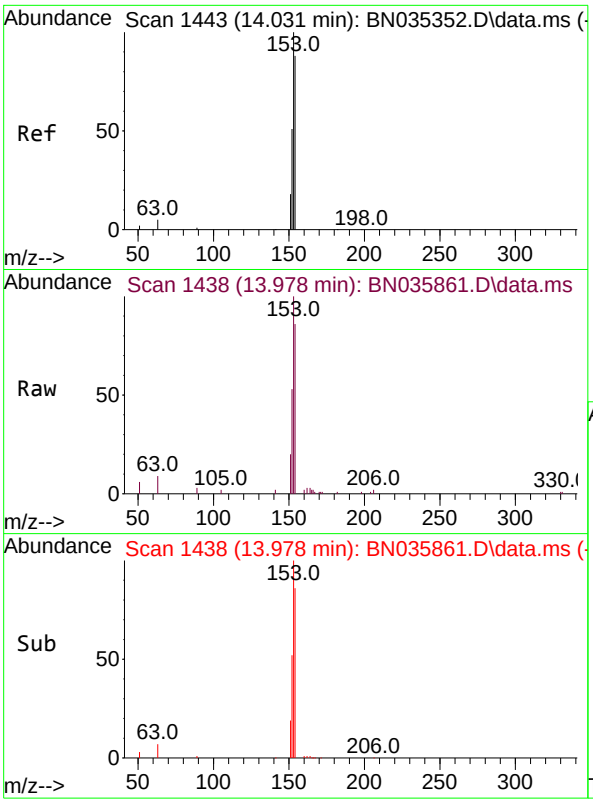


#16
Acenaphthylene
Concen: 0.369 ng
RT: 13.625 min Scan# 1405
Delta R.T. -0.021 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Tgt Ion:152 Resp: 6923

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.2	24.2
153	13.0	10.4	15.6

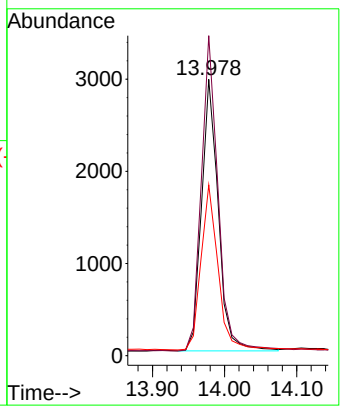




#17
Acenaphthene
Concen: 0.383 ng
RT: 13.978 min Scan# 14
Delta R.T. -0.021 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Tgt Ion:154 Resp: 477

Ion	Ratio	Lower	Upper
154	100		
153	116.3	92.6	139.0
152	62.6	49.0	73.6



Instrument :
BNA_N
ClientSampleId :
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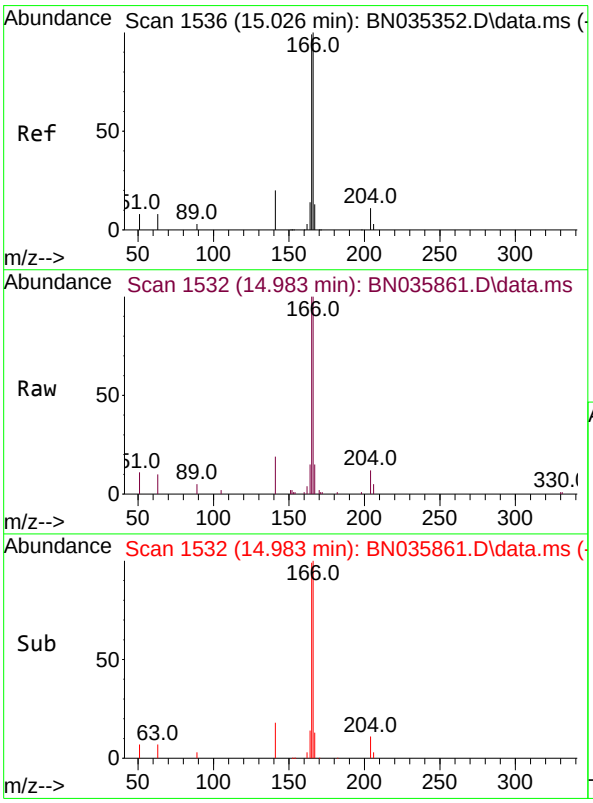
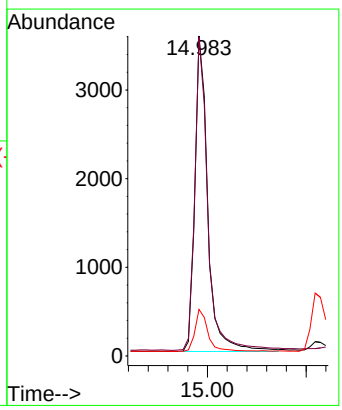
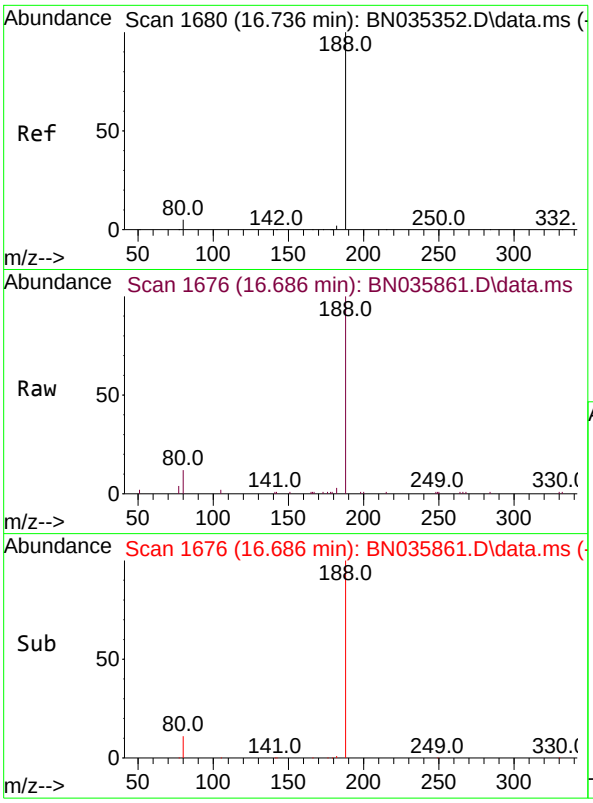


#18
Fluorene
Concen: 0.363 ng
RT: 14.983 min Scan# 1532
Delta R.T. -0.021 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Tgt Ion:166 Resp: 6478

Ion	Ratio	Lower	Upper
166	100		
165	98.7	79.7	119.5
167	13.6	10.8	16.2

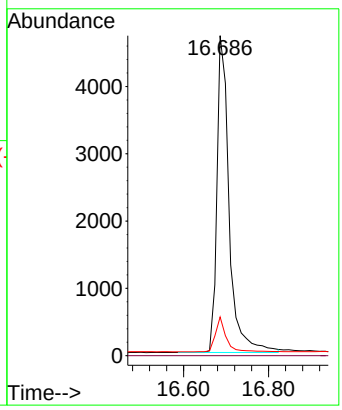




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.686 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Tgt Ion:188 Resp: 937

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	12.1	4.6	6.8#



Instrument :
BNA_N
ClientSampleId :
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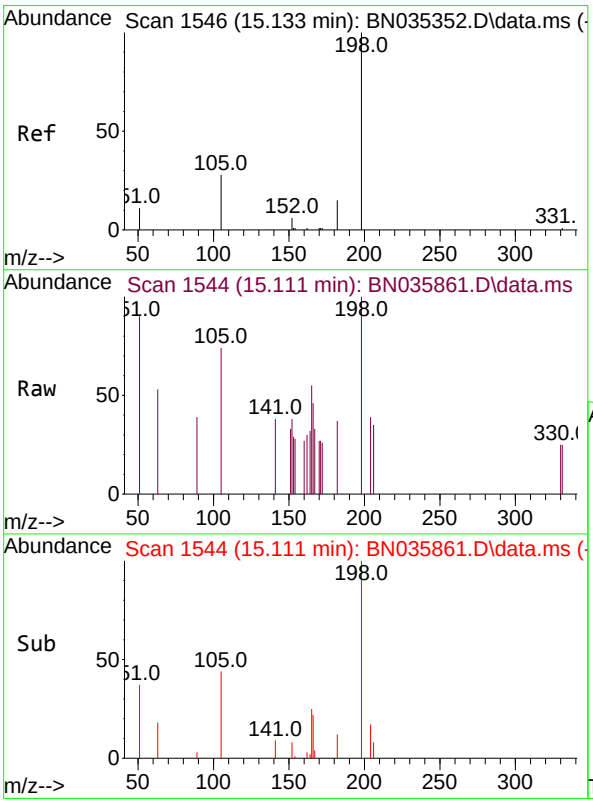
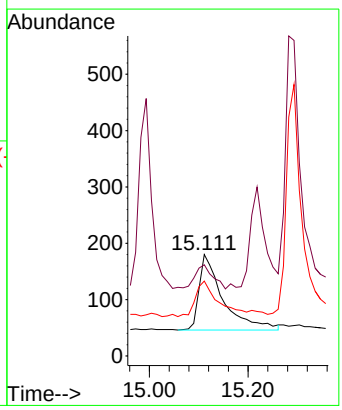
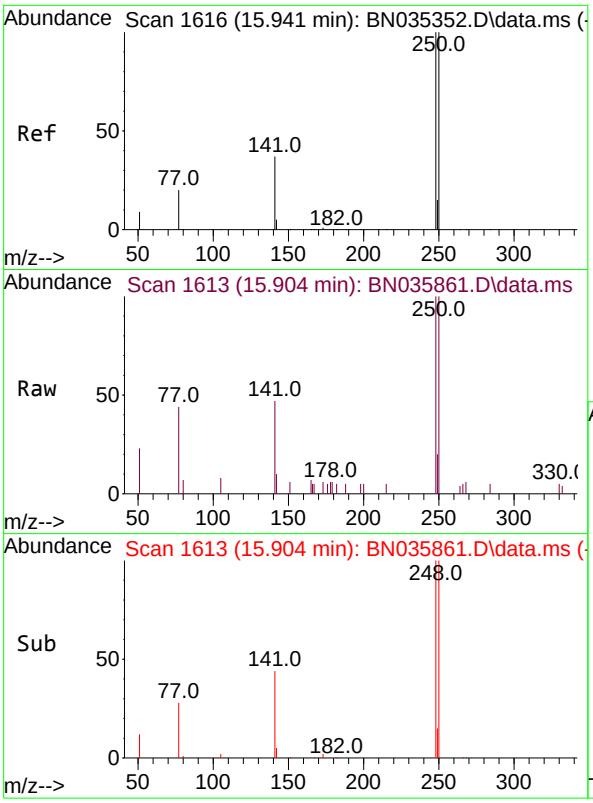


#20
4,6-Dinitro-2-methylphenol
Concen: 0.492 ng
RT: 15.111 min Scan# 1544
Delta R.T. -0.011 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Tgt Ion:198 Resp: 453

Ion	Ratio	Lower	Upper
198	100		
51	90.0	46.5	69.7#
105	73.9	45.3	67.9#

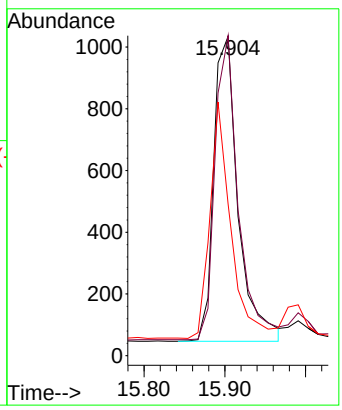




#21
4-Bromophenyl-phenylether
Concen: 0.378 ng
RT: 15.904 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Tgt Ion:248 Resp: 207

Ion	Ratio	Lower	Upper
248	100		
250	100.2	80.6	120.8
141	47.4	31.5	47.3#



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

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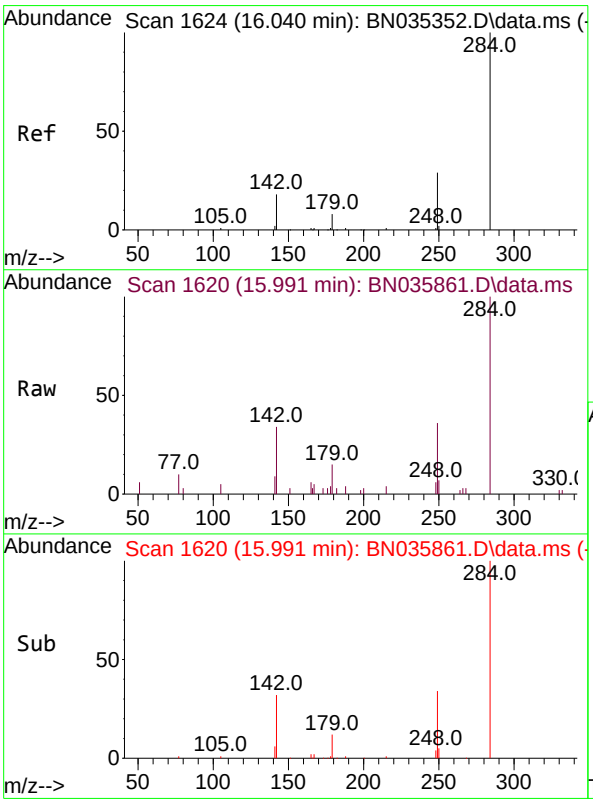
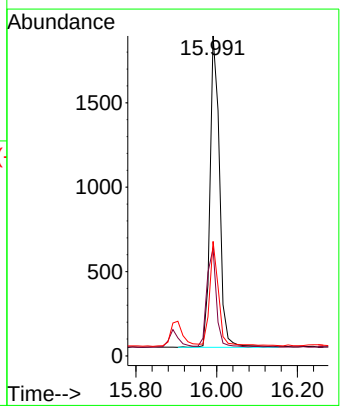
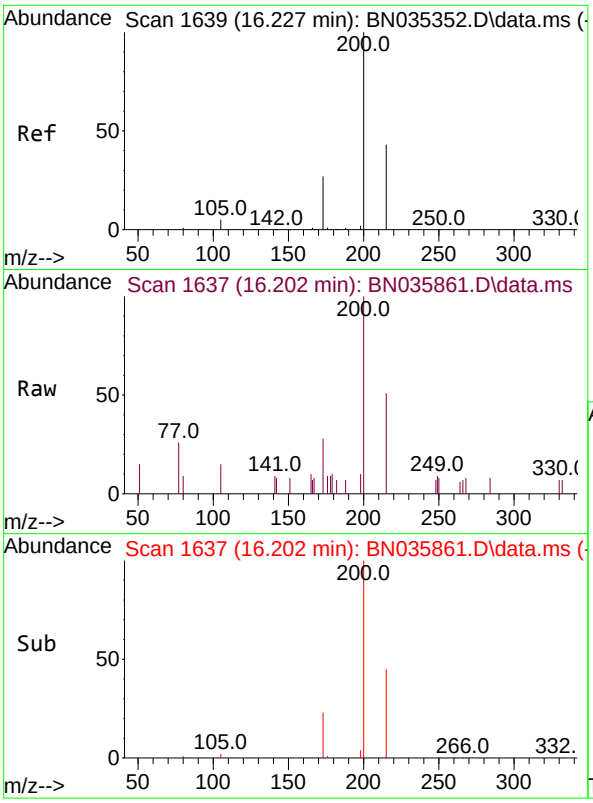


#22
Hexachlorobenzene
Concen: 0.468 ng
RT: 15.991 min Scan# 1620
Delta R.T. -0.025 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Tgt Ion:284 Resp: 3015

Ion	Ratio	Lower	Upper
284	100		
142	31.5	26.7	40.1
249	31.2	24.6	36.8

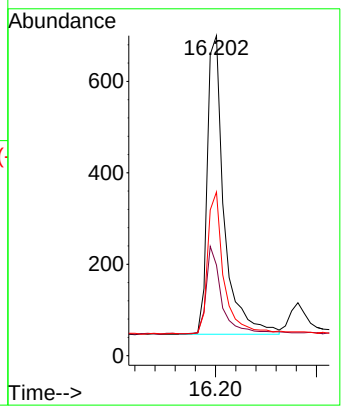




#23
Atrazine
Concen: 0.386 ng
RT: 16.202 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Tgt Ion:200 Resp: 150

Ion	Ratio	Lower	Upper
200	100		
173	28.3	24.1	36.1
215	51.1	36.9	55.3



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

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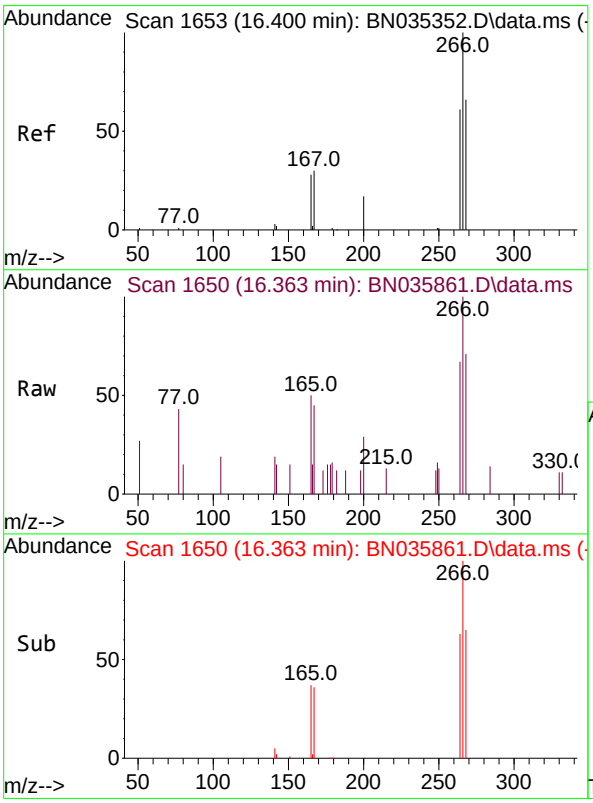
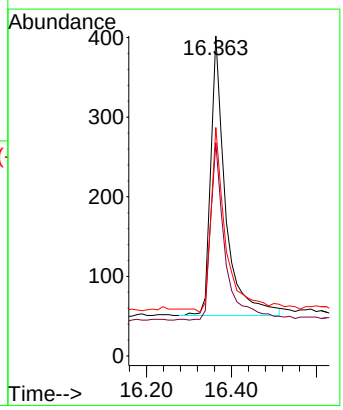
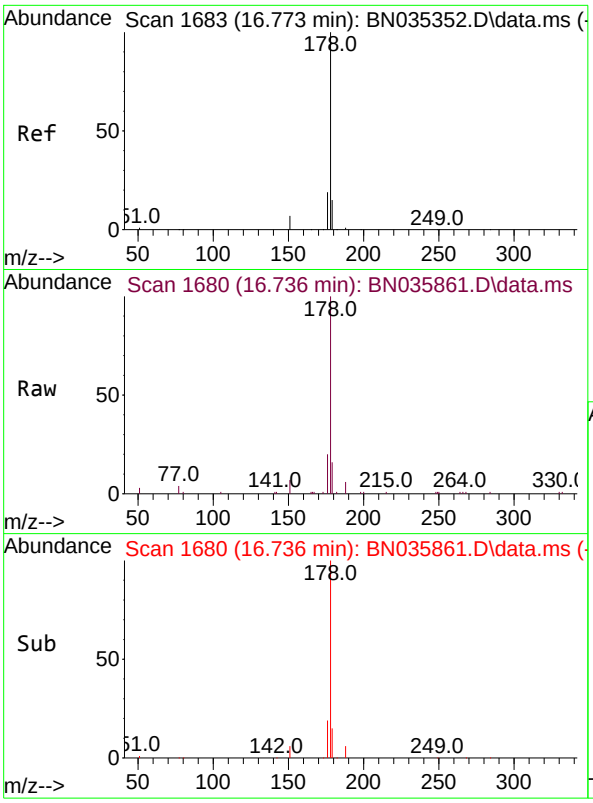


#24
Pentachlorophenol
Concen: 0.302 ng
RT: 16.363 min Scan# 1650
Delta R.T. -0.012 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Tgt Ion:266 Resp: 846

Ion	Ratio	Lower	Upper
266	100		
264	62.3	42.3	63.5
268	67.7	43.3	64.9#

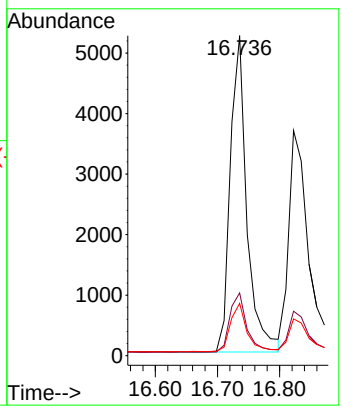




#25
Phenanthrene
Concen: 0.377 ng
RT: 16.736 min Scan# 1(
Delta R.T. -0.012 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Tgt Ion:178 Resp: 969

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.2
179	15.3	12.3	18.5



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

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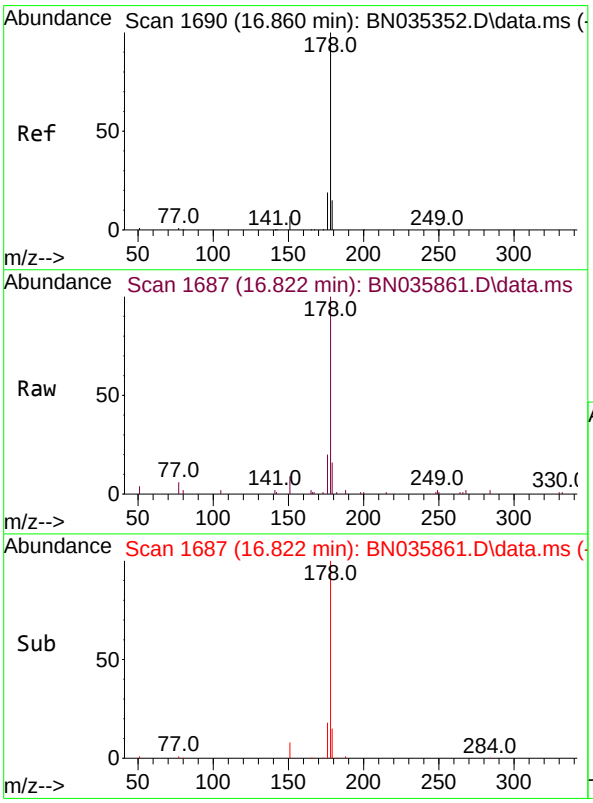
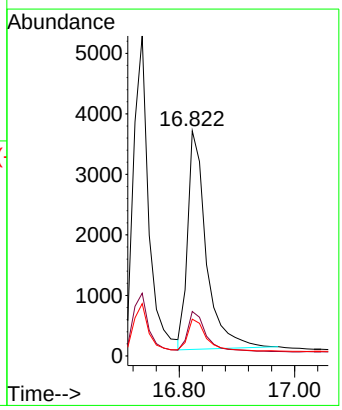
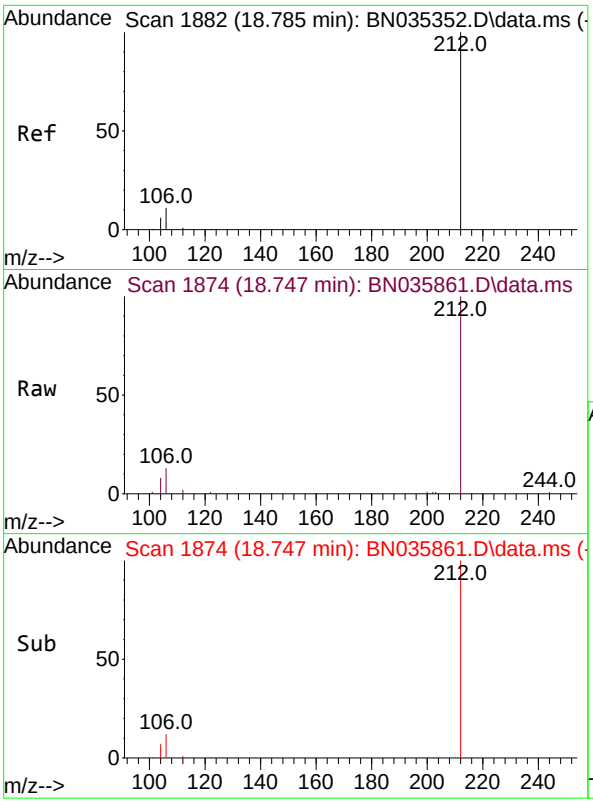


#26
Anthracene
Concen: 0.348 ng
RT: 16.822 min Scan# 1687
Delta R.T. -0.012 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Tgt Ion:178 Resp: 8100

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.0	22.6
179	15.3	12.6	18.8

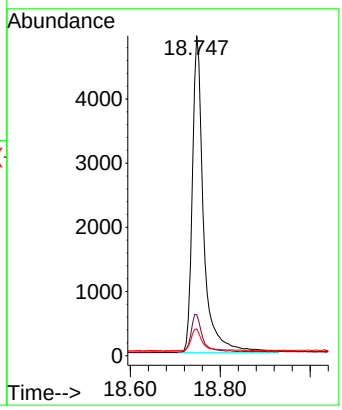




#27
Fluoranthene-d10
Concen: 0.325 ng
RT: 18.747 min Scan# 1
Delta R.T. -0.014 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Tgt Ion:212 Resp: 864

Ion	Ratio	Lower	Upper
212	100		
106	11.7	9.2	13.8
104	7.0	5.3	7.9



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

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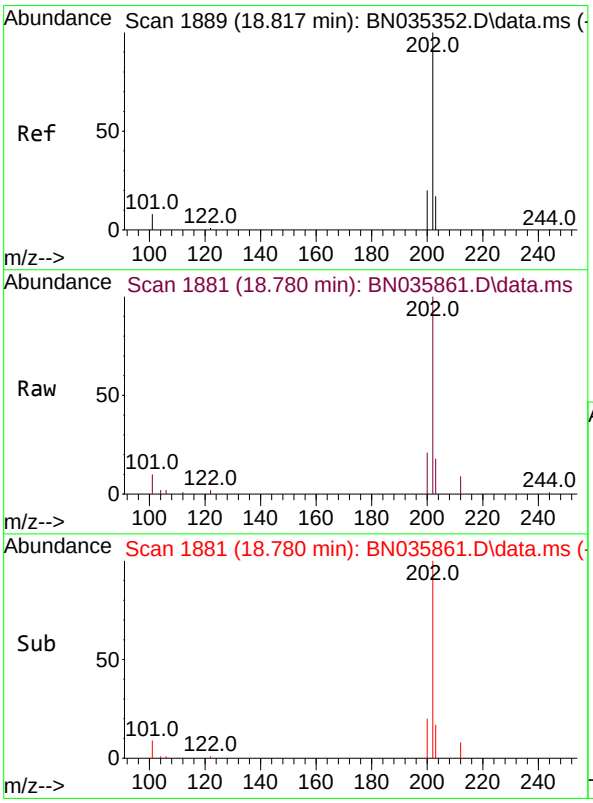
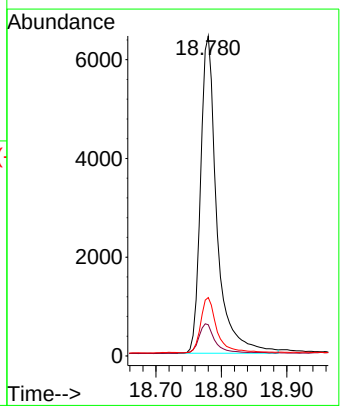
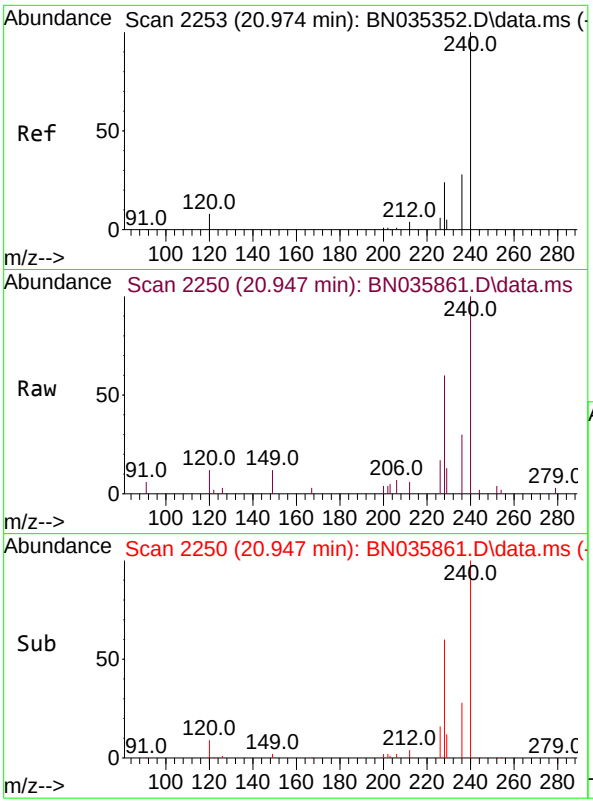


#28
Fluoranthene
Concen: 0.321 ng
RT: 18.780 min Scan# 1881
Delta R.T. -0.009 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Tgt Ion:202 Resp: 11145

Ion	Ratio	Lower	Upper
202	100		
101	9.7	7.4	11.0
203	17.4	13.7	20.5

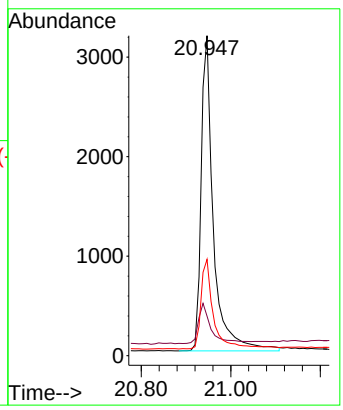




#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.947 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Tgt Ion:240 Resp: 602

Ion	Ratio	Lower	Upper
240	100		
120	12.3	7.9	11.9
236	30.1	22.9	34.3



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

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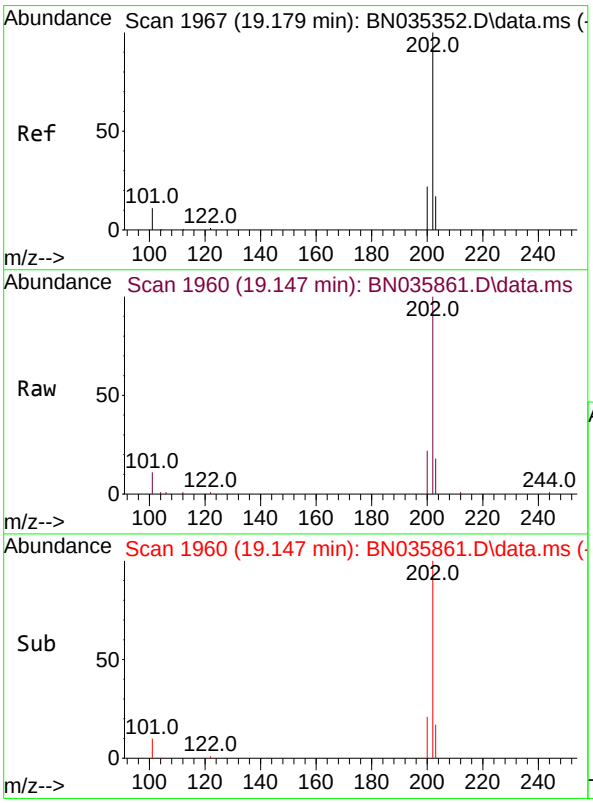
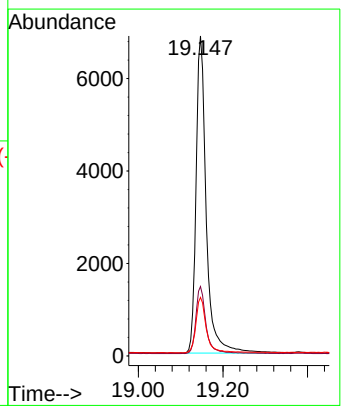
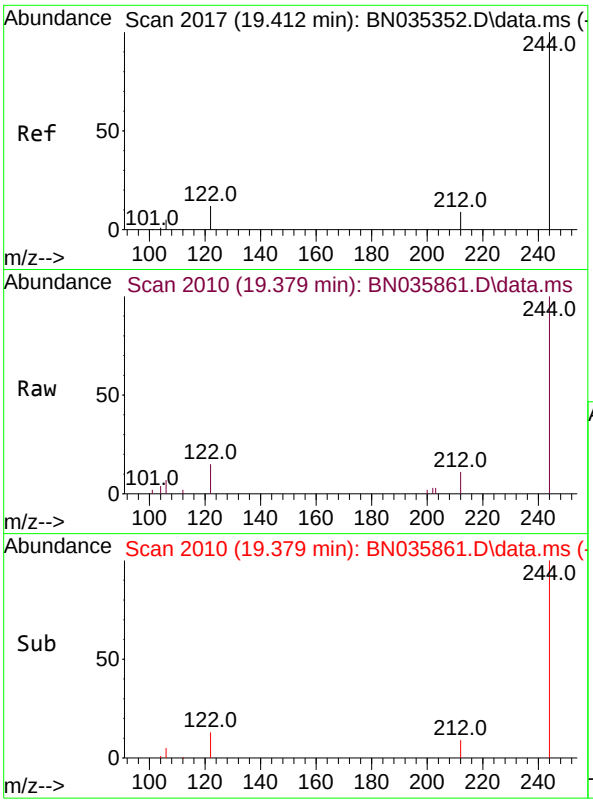


#30
Pyrene
Concen: 0.517 ng
RT: 19.147 min Scan# 1960
Delta R.T. -0.014 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Tgt Ion:202 Resp: 11492

Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.0	25.4
203	18.0	14.3	21.5

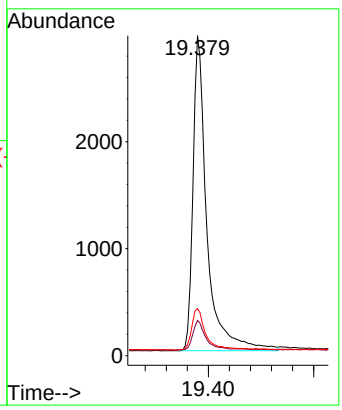




#31
Terphenyl-d14
Concen: 0.455 ng
RT: 19.379 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Tgt Ion:244 Resp: 540

Ion	Ratio	Lower	Upper
244	100		
212	11.0	8.1	12.1
122	14.7	10.3	15.5



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

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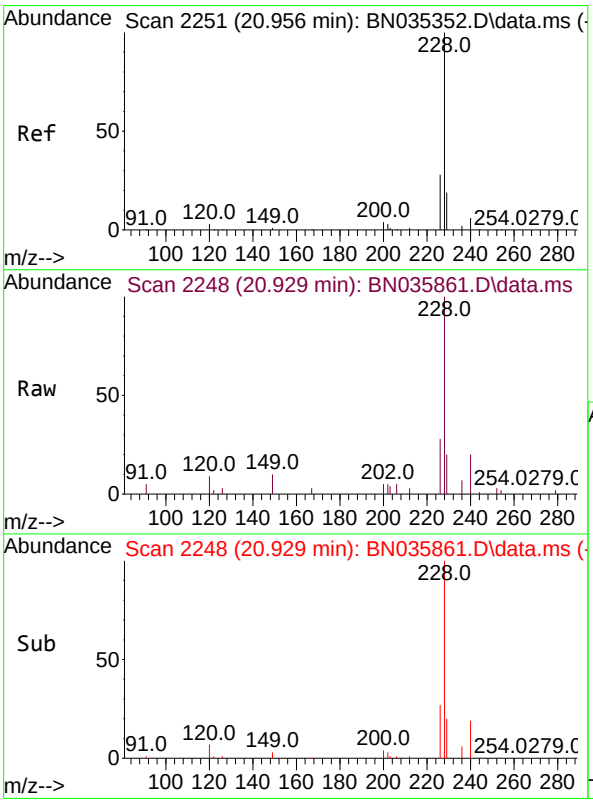
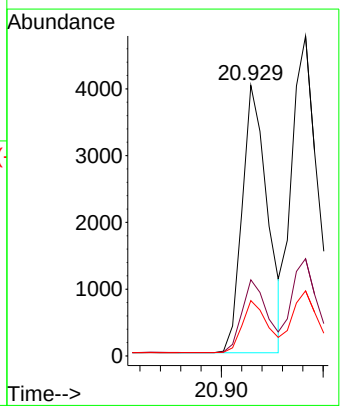
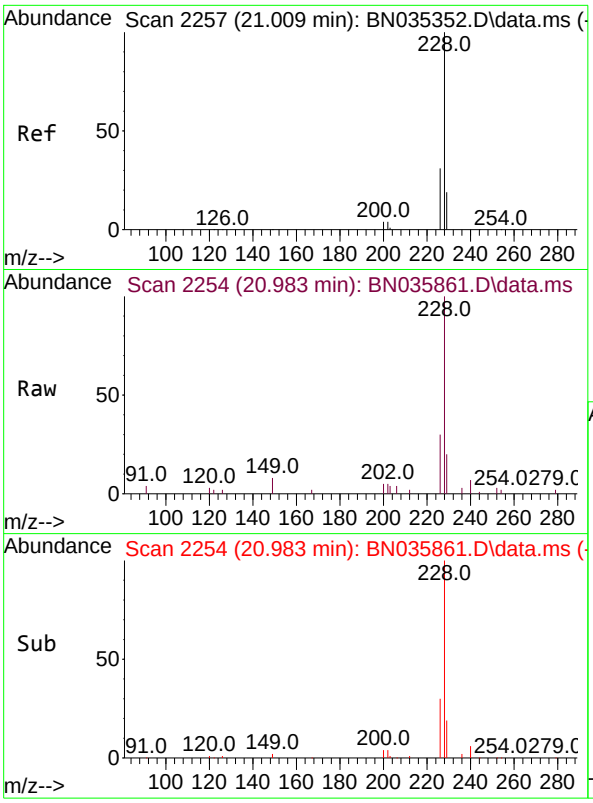


#32
Benzo(a)anthracene
Concen: 0.328 ng
RT: 20.929 min Scan# 2248
Delta R.T. -0.009 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Tgt Ion:228 Resp: 6901

Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.5	33.7
229	20.5	15.8	23.8

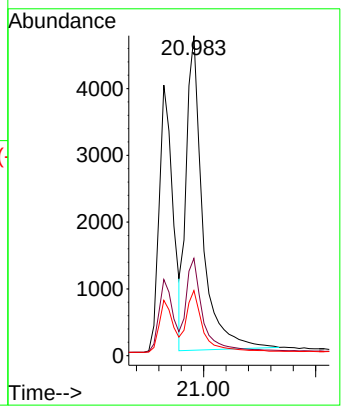




#33
Chrysene
Concen: 0.441 ng
RT: 20.983 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Tgt Ion:228 Resp: 957

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.6	37.0
229	20.3	15.9	23.9



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

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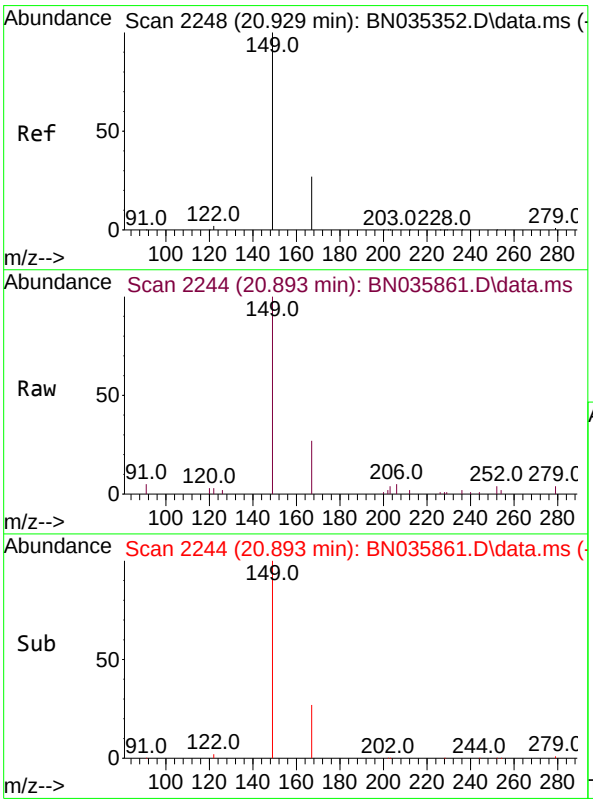
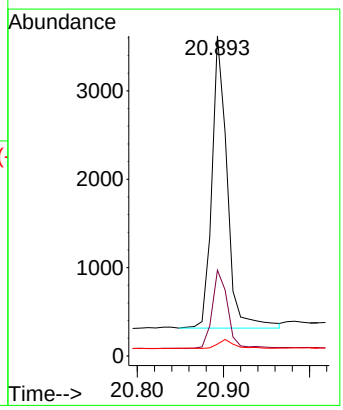
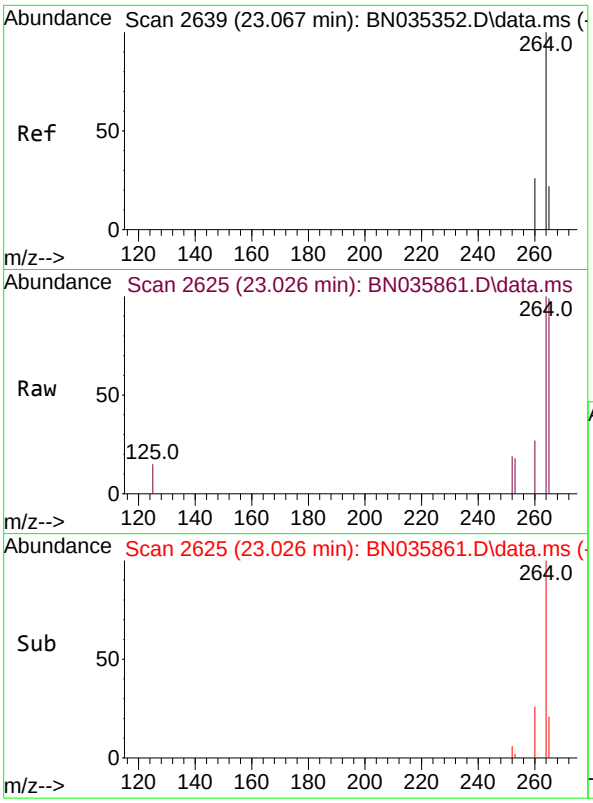


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.489 ng
RT: 20.893 min Scan# 2244
Delta R.T. -0.018 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Tgt Ion:149 Resp: 4069

Ion	Ratio	Lower	Upper
149	100		
167	27.2	22.2	33.4
279	3.2	2.7	4.1

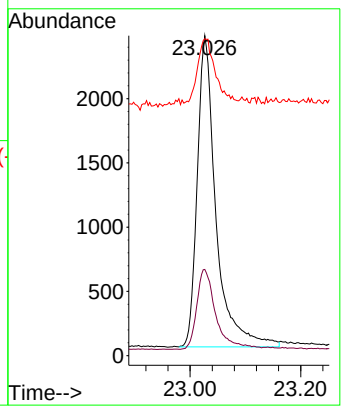




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.026 min Scan# 2
Delta R.T. -0.015 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Tgt Ion:264 Resp: 569

Ion	Ratio	Lower	Upper
264	100		
260	26.9	21.4	32.2
265	99.1	40.2	60.4



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

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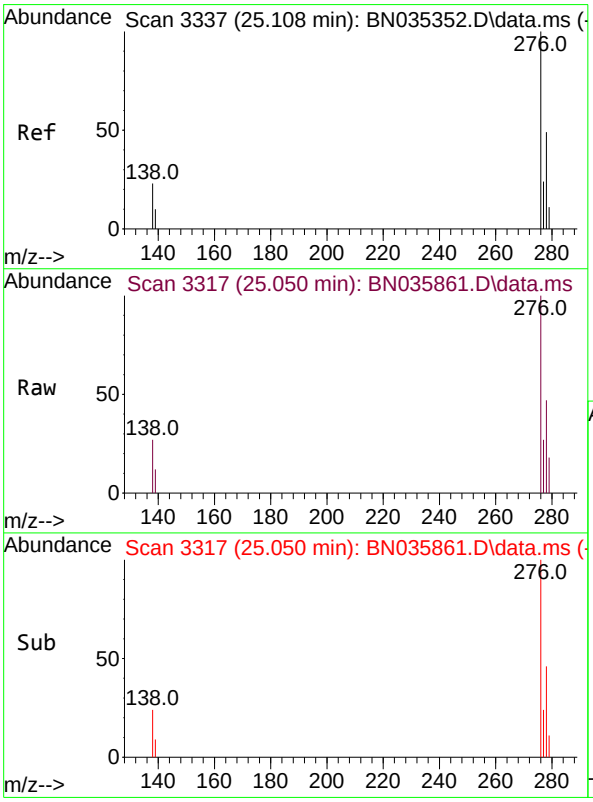
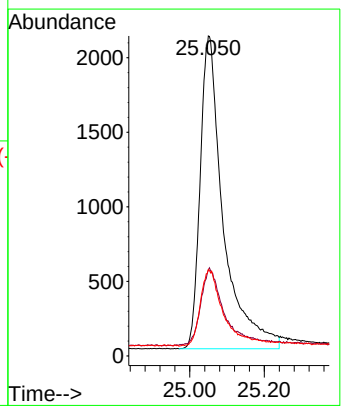
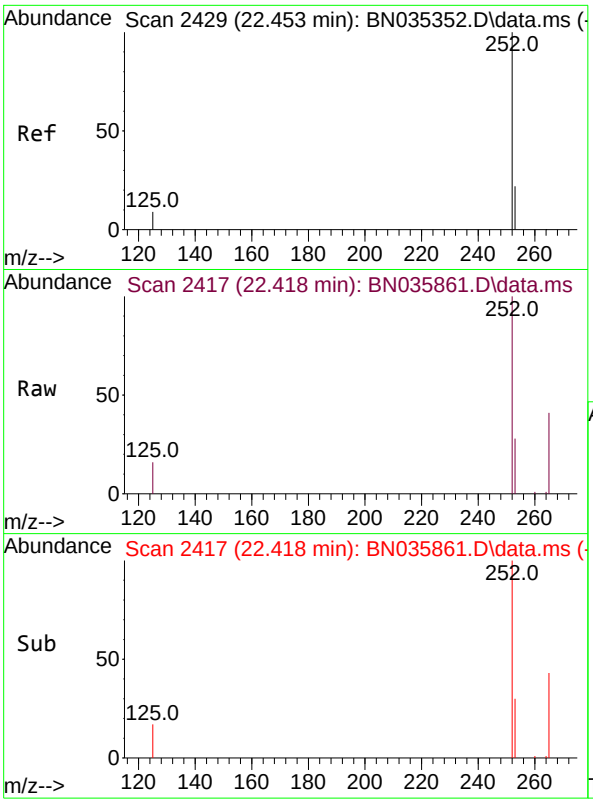


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.405 ng
RT: 25.050 min Scan# 3317
Delta R.T. -0.018 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Tgt Ion:276 Resp: 9030

Ion	Ratio	Lower	Upper
276	100		
138	24.8	19.4	29.0
277	23.4	19.8	29.6

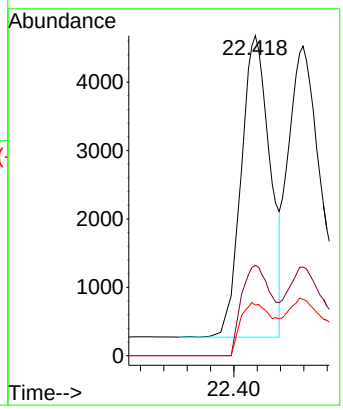




#37
Benzo(b)fluoranthene
Concen: 0.566 ng
RT: 22.418 min Scan# 24
Delta R.T. -0.012 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Tgt Ion:252 Resp: 1180

Ion	Ratio	Lower	Upper
252	100		
253	28.3	19.6	29.4
125	15.8	9.6	14.4#



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

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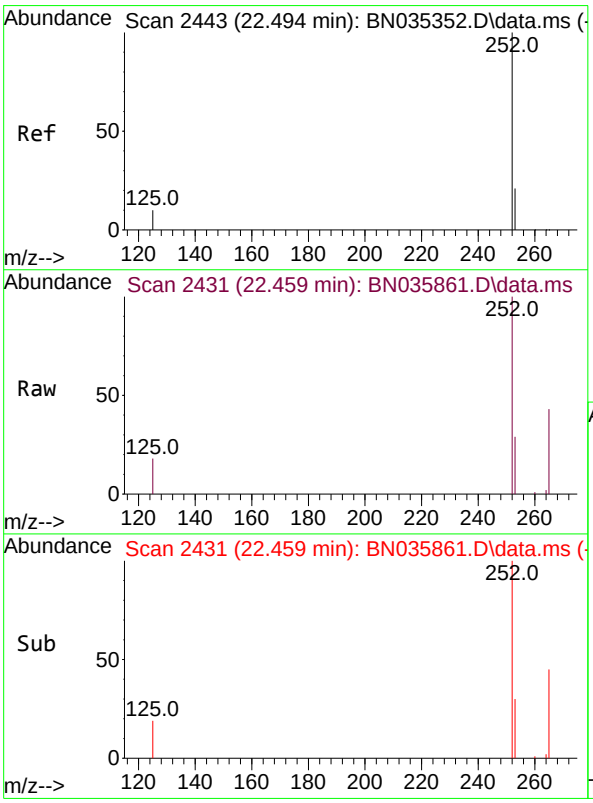
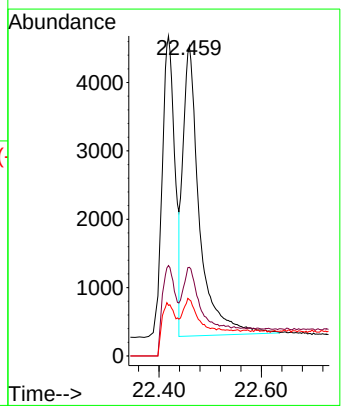
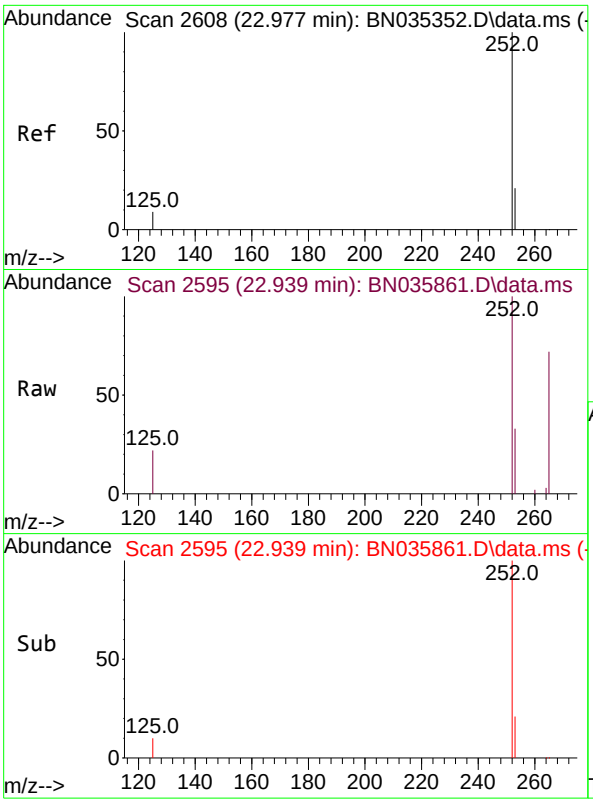


#38
Benzo(k)fluoranthene
Concen: 0.470 ng
RT: 22.459 min Scan# 2431
Delta R.T. -0.012 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Tgt Ion:252 Resp: 9638

Ion	Ratio	Lower	Upper
252	100		
253	28.6	19.5	29.3
125	18.2	10.2	15.4#

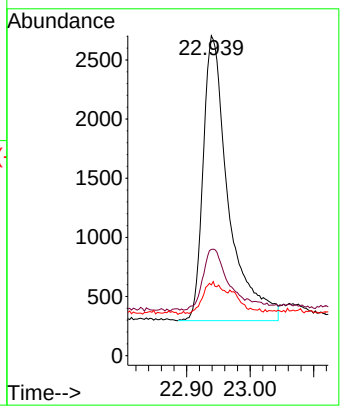




#39
Benzo(a)pyrene
Concen: 0.387 ng
RT: 22.939 min Scan# 2
Delta R.T. -0.012 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Tgt Ion:252 Resp: 664

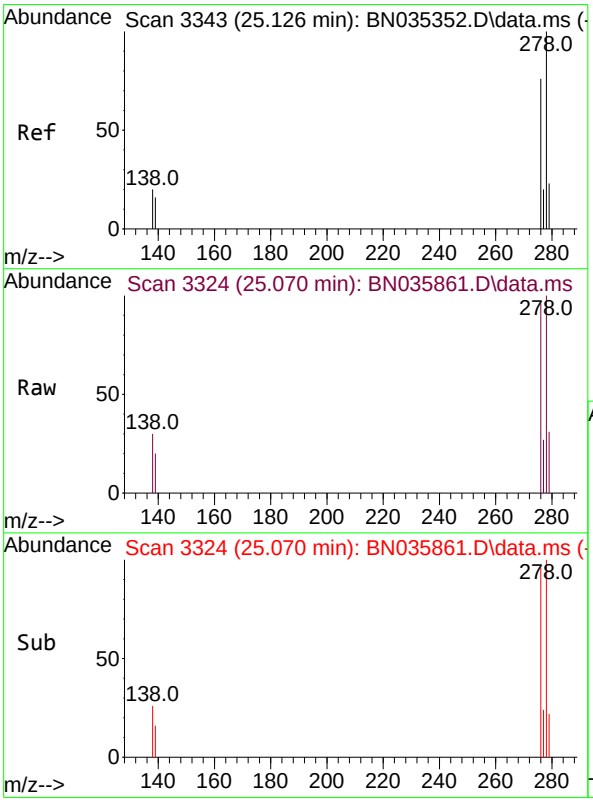
Ion	Ratio	Lower	Upper
252	100		
253	33.2	20.2	30.4#
125	22.1	10.9	16.3#



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations
APPROVED

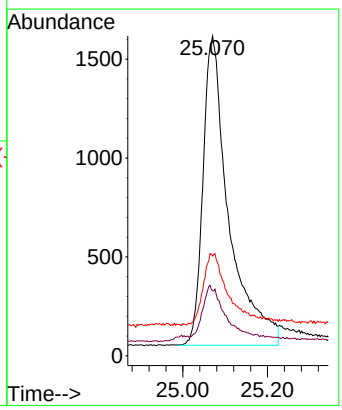
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

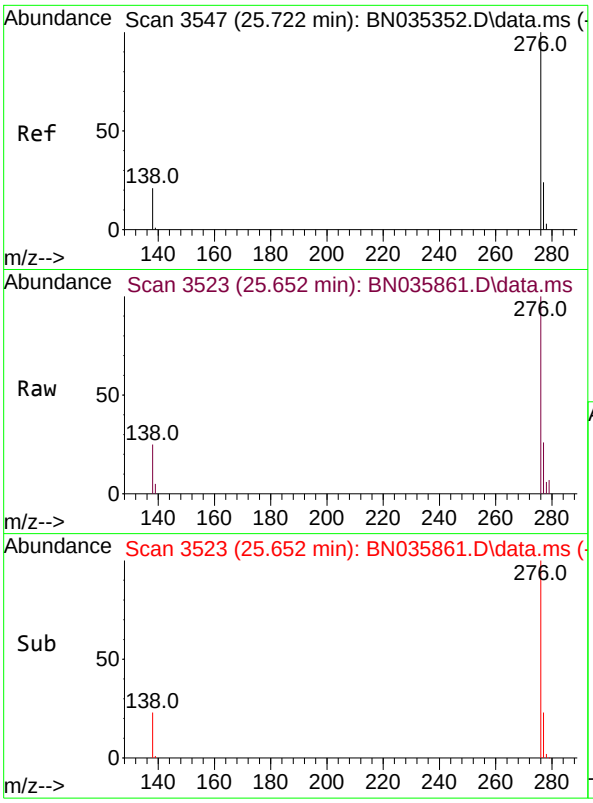


#40
Dibenzo(a,h)anthracene
Concen: 0.377 ng
RT: 25.070 min Scan# 3324
Delta R.T. -0.012 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Tgt Ion:278 Resp: 6633

Ion	Ratio	Lower	Upper
278	100		
139	20.3	14.2	21.4
279	31.2	20.5	30.7#

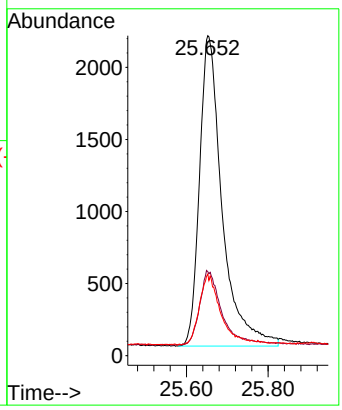




#41
Benzo(g,h,i)perylene
Concen: 0.452 ng
RT: 25.652 min Scan# 3
Delta R.T. -0.026 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Tgt Ion:276 Resp: 830

Ion	Ratio	Lower	Upper
276	100		
277	26.3	19.9	29.9
138	25.5	17.8	26.8



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122624\
Data File : BN035861.D
Acq On : 26 Dec 2024 19:41
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Quant Time: Dec 27 00:42:36 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	151#	-0.01
2		1,4-Dioxane	0.382	0.394	-3.1	158#	0.00
3		n-Nitrosodimethylamine	0.319	0.331	-3.8	153#	0.00
4	S	2-Fluorophenol	1.001	0.931	7.0	138	-0.01
5	S	Phenol-d6	1.204	1.022	15.1	129	-0.02
6		bis(2-Chloroethyl)ether	1.012	0.883	12.7	134	-0.02
7	I	Naphthalene-d8	1.000	1.000	0.0	138	-0.02
8	S	Nitrobenzene-d5	0.244	0.306	-25.4#	180#	-0.01
9		Naphthalene	1.055	1.038	1.6	137	-0.01
10		Hexachlorobutadiene	0.243	0.275	-13.2	154#	-0.02
11	SURR	2-Methylnaphthalene-d10	0.626	0.551	12.0	123	-0.02
12		2-Methylnaphthalene	0.755	0.655	13.2	123	-0.02
13	I	Acenaphthene-d10	1.000	1.000	0.0	118	-0.02
14	S	2,4,6-Tribromophenol	0.284	0.225	20.8	103	-0.01
15	S	2-Fluorobiphenyl	1.512	1.480	2.1	115	-0.02
16		Acenaphthylene	1.680	1.548	7.9	114	-0.02
17		Acenaphthene	1.115	1.068	4.2	116	-0.02
18		Fluorene	1.596	1.449	9.2	110	-0.02
19	I	Phenanthrene-d10	1.000	1.000	0.0	99	-0.01
20		4,6-Dinitro-2-methylphenol	0.039	0.048	-23.1	134	-0.01
21		4-Bromophenyl-phenylether	0.234	0.221	5.6	97	-0.01
22		Hexachlorobenzene	0.275	0.322	-17.1	116	-0.02
23		Atrazine	0.167	0.161	3.6	103	0.00
24		Pentachlorophenol	0.120	0.090	25.0	93	-0.01
25		Phenanthrene	1.099	1.035	5.8	96	-0.01
26		Anthracene	0.994	0.864	13.1	91	-0.01
27	SURR	Fluoranthene-d10	1.134	0.922	18.7	85	-0.01
28		Fluoranthene	1.481	1.189	19.7	83	0.00
29	I	Chrysene-d12	1.000	1.000	0.0	63	0.00
30		Pyrene	1.477	1.909	-29.2#	82	-0.01
31	S	Terphenyl-d14	0.789	0.898	-13.8	72	0.00
32		Benzo(a)anthracene	1.399	1.146	18.1	53	0.00
33		Chrysene	1.443	1.591	-10.3	70	0.00
34		Bis(2-ethylhexyl)phthalate	0.553	0.676	-22.2	83	-0.02
35	I	Perylene-d12	1.000	1.000	0.0	53	-0.01
36		Indeno(1,2,3-cd)pyrene	1.564	1.584	-1.3	54	-0.02
37		Benzo(b)fluoranthene	1.463	2.071	-41.6#	83	-0.01
38		Benzo(k)fluoranthene	1.440	1.691	-17.4	63	-0.01
39	C	Benzo(a)pyrene	1.205	1.165	3.3	53	-0.01
40		Dibenzo(a,h)anthracene	1.234	1.164	5.7	51	-0.01
41		Benzo(g,h,i)perylene	1.289	1.456	-13.0	61	-0.03

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122624\
Data File : BN035861.D
Acq On : 26 Dec 2024 19:41
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Quant Time: Dec 27 00:42:36 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	0.400	0.400	0.0	151	-0.01
2		1,4-Dioxane	0.400	0.412	-3.0	158	0.00
3		n-Nitrosodimethylamine	0.400	0.415	-3.7	153	0.00
4	S	2-Fluorophenol	0.400	0.372	7.0	138	-0.01
5	S	Phenol-d6	0.400	0.340	15.0	129	-0.02
6		bis(2-Chloroethyl)ether	0.400	0.349	12.8	134	-0.02
7	I	Naphthalene-d8	0.400	0.400	0.0	138	-0.02
8	S	Nitrobenzene-d5	0.400	0.501	-25.2#	180	-0.01
9		Naphthalene	0.400	0.394	1.5	137	-0.01
10		Hexachlorobutadiene	0.400	0.452	-13.0	154	-0.02
11	SURR	2-Methylnaphthalene-d10	0.400	0.352	12.0	123	-0.02
12		2-Methylnaphthalene	0.400	0.347	13.3	123	-0.02
13	I	Acenaphthene-d10	0.400	0.400	0.0	118	-0.02
14	S	2,4,6-Tribromophenol	0.400	0.318	20.5	103	-0.01
15	S	2-Fluorobiphenyl	0.400	0.392	2.0	115	-0.02
16		Acenaphthylene	0.400	0.369	7.8	114	-0.02
17		Acenaphthene	0.400	0.383	4.3	116	-0.02
18		Fluorene	0.400	0.363	9.3	110	-0.02
19	I	Phenanthrene-d10	0.400	0.400	0.0	99	-0.01
20		4,6-Dinitro-2-methylphenol	0.400	0.492	-23.0	134	-0.01
21		4-Bromophenyl-phenylether	0.400	0.378	5.5	97	-0.01
22		Hexachlorobenzene	0.400	0.468	-17.0	116	-0.02
23		Atrazine	0.400	0.386	3.5	103	0.00
24		Pentachlorophenol	0.400	0.302	24.5	93	-0.01
25		Phenanthrene	0.400	0.377	5.8	96	-0.01
26		Anthracene	0.400	0.348	13.0	91	-0.01
27	SURR	Fluoranthene-d10	0.400	0.325	18.8	85	-0.01
28		Fluoranthene	0.400	0.321	19.8	83	0.00
29	I	Chrysene-d12	0.400	0.400	0.0	63	0.00
30		Pyrene	0.400	0.517	-29.3#	82	-0.01
31	S	Terphenyl-d14	0.400	0.455	-13.7	72	0.00
32		Benzo(a)anthracene	0.400	0.328	18.0	53	0.00
33		Chrysene	0.400	0.441	-10.2	70	0.00
34		Bis(2-ethylhexyl)phthalate	0.400	0.489	-22.2	83	-0.02
35	I	Perylene-d12	0.400	0.400	0.0	53	-0.01
36		Indeno(1,2,3-cd)pyrene	0.400	0.405	-1.3	54	-0.02
37		Benzo(b)fluoranthene	0.400	0.566	-41.5#	83	-0.01
38		Benzo(k)fluoranthene	0.400	0.470	-17.5	63	-0.01
39	C	Benzo(a)pyrene	0.400	0.387	3.3	53	-0.01
40		Dibenzo(a,h)anthracene	0.400	0.377	5.8	51	-0.01
41		Benzo(g,h,i)perylene	0.400	0.452	-13.0	61	-0.03

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

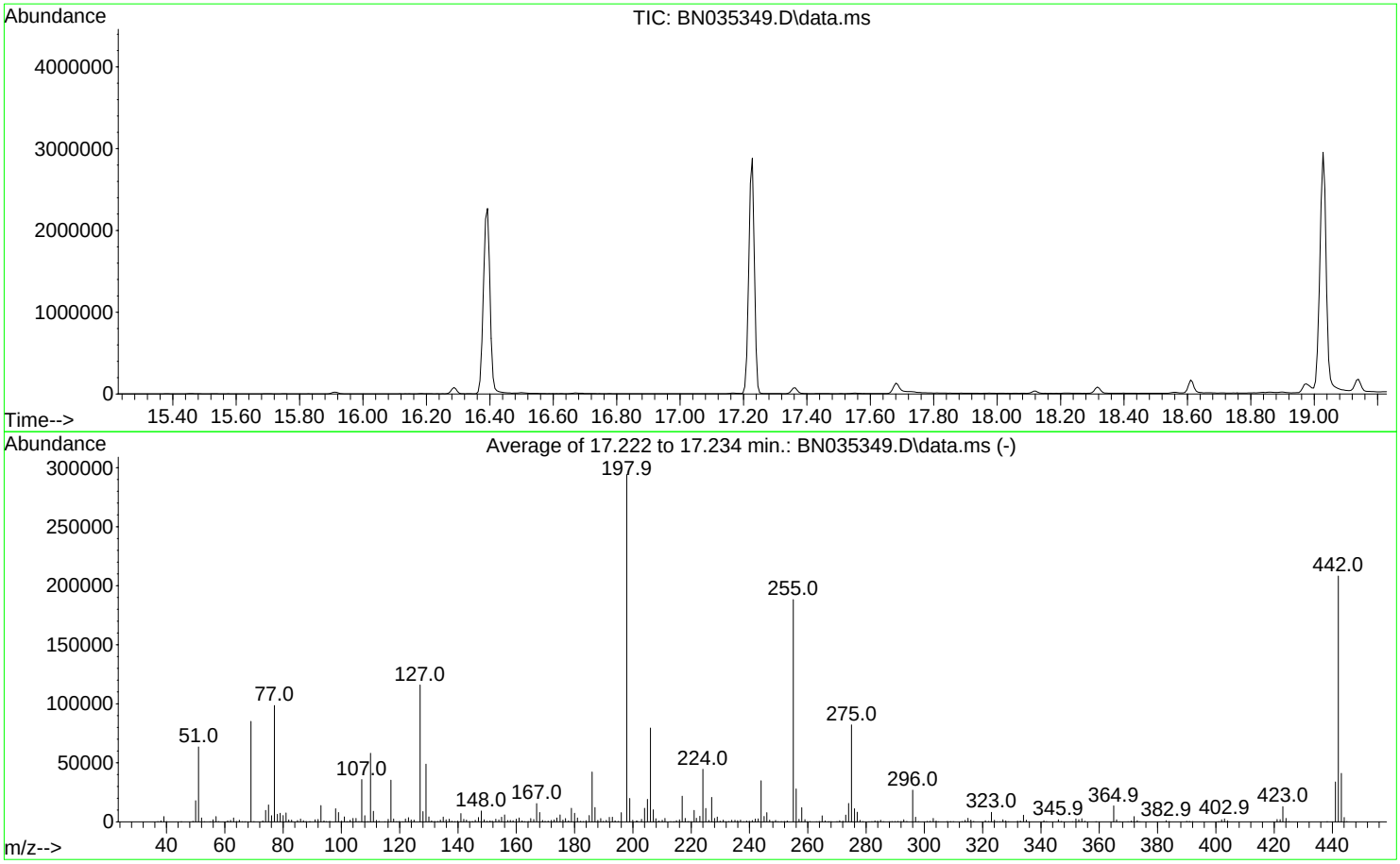
QC SAMPLE DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
Data File : BN035349.D
Acq On : 27 Nov 2024 14:55
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Nov 27 23:03:24 2024



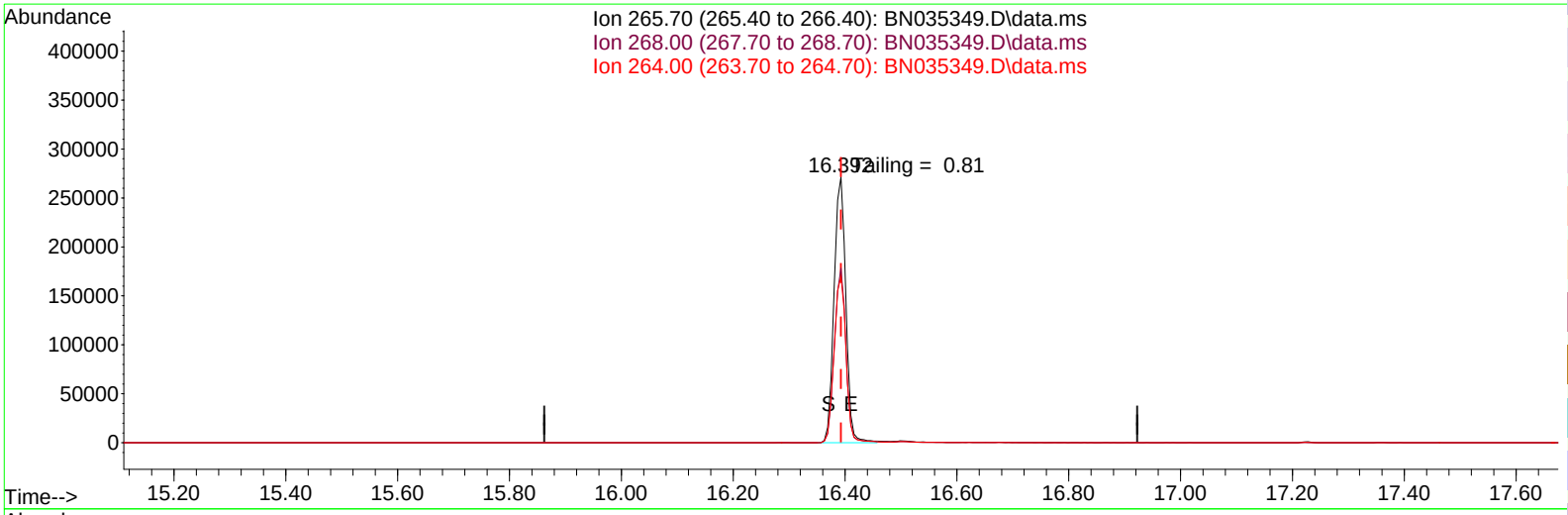
AutoFind: Scans 2437, 2438, 2439; Background Corrected with Scan 2430

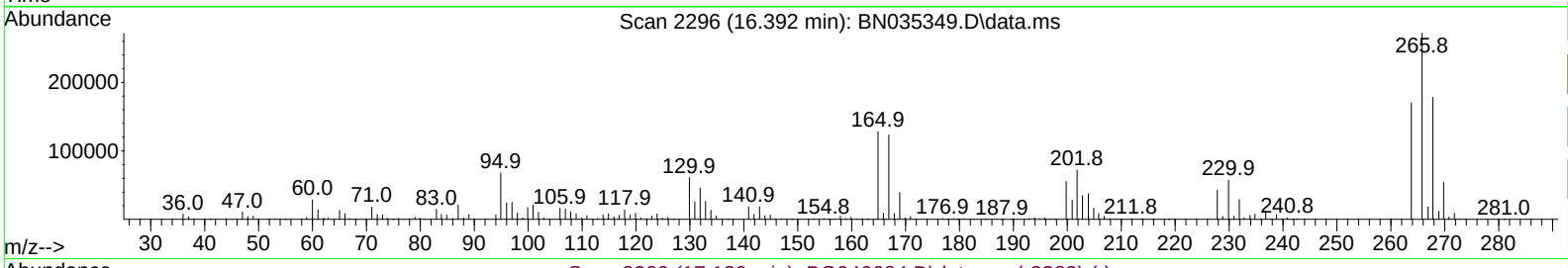
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	21.6	63480	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	28.9	85062	PASS
70	69	0.00	2	0.4	303	PASS
127	198	10	80	39.4	115899	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	294229	PASS
199	198	5	9	6.7	19826	PASS
275	198	10	60	27.9	82149	PASS
365	198	1	100	4.6	13565	PASS
441	198	0.01	100	11.5	33811	PASS
442	442	50	100	100.0	208235	PASS
443	442	15	24	19.7	41045	PASS

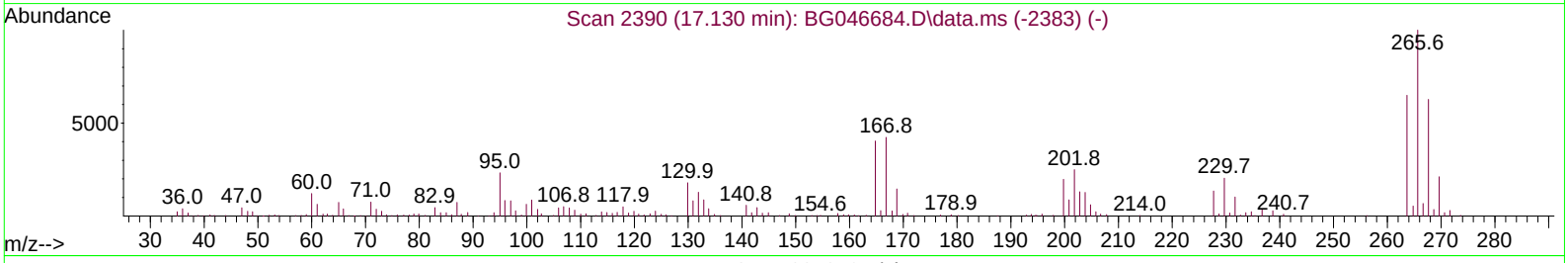
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
Data File : BN035349.D
Acq On : 27 Nov 2024 14:55
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Nov 28 04:07:39 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 28 04:07:30 2024
Response via : Initial Calibration







TIC: BN035349.D\data.ms

(70) Pentachlorophenol (C)

16.392min (0.000) 27794.31 ng

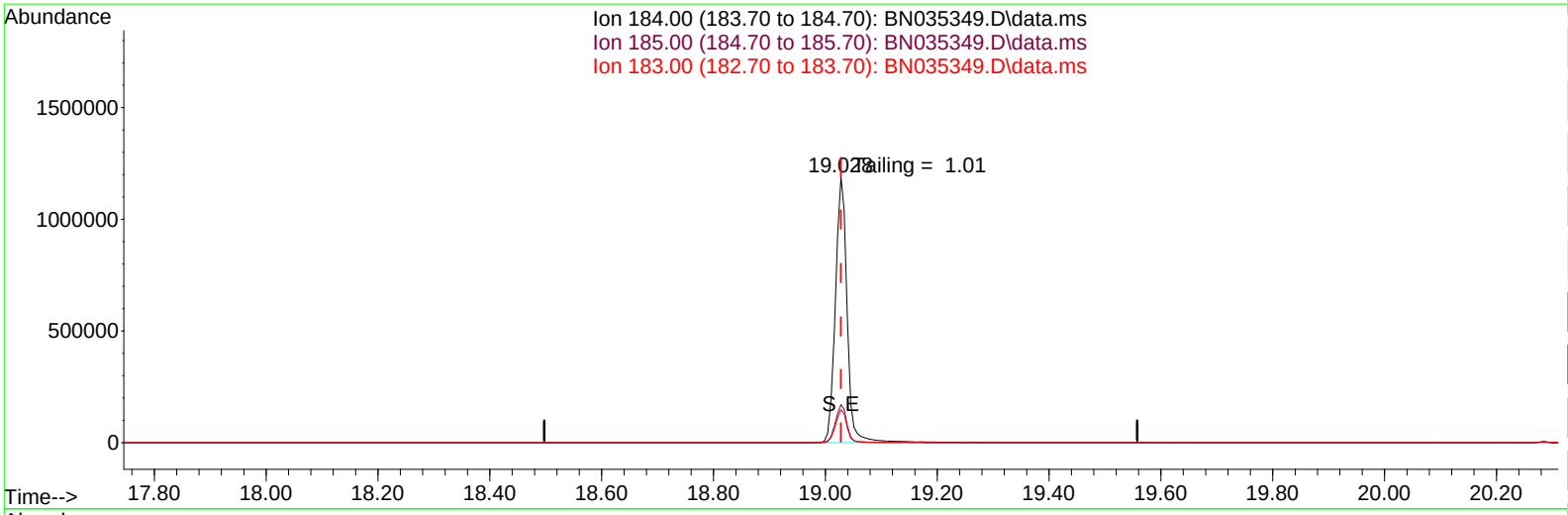
response 398074

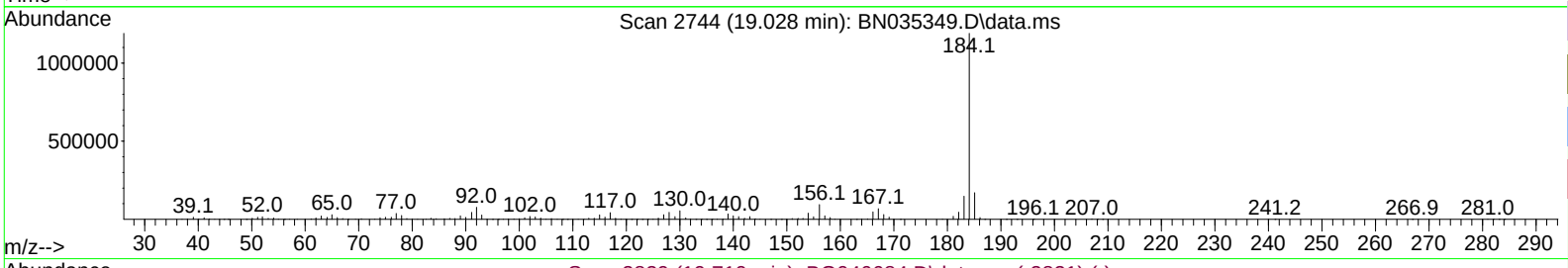
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.20	65.68
264.00	61.60	62.66
0.00	0.00	0.00

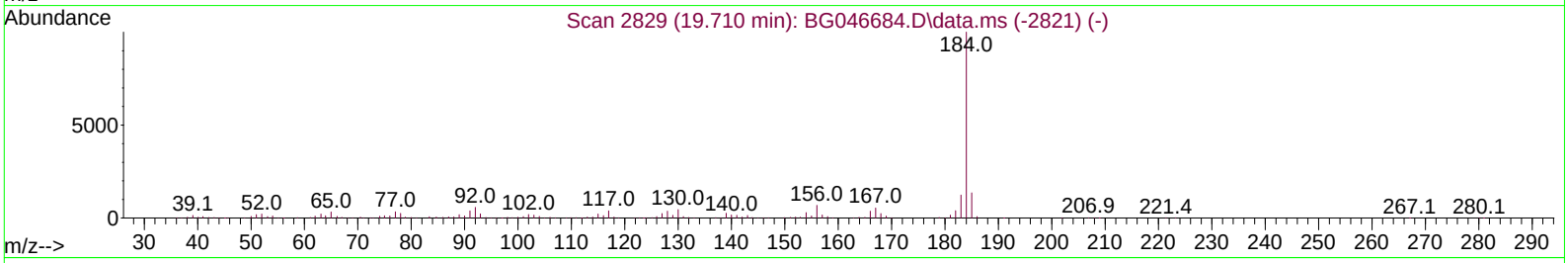
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
Data File : BN035349.D
Acq On : 27 Nov 2024 14:55
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Nov 28 04:07:39 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 28 04:07:30 2024
Response via : Initial Calibration







TIC: BN035349.D\data.ms

(77) Benzidine

19.028min (0.000) 0.00 ng

response 1733630

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.50	14.34
183.00	13.20	12.42
0.00	0.00	0.00

Instrument :
BNA_N
ClientSampleId :
DFTPP

DDT Breakdown

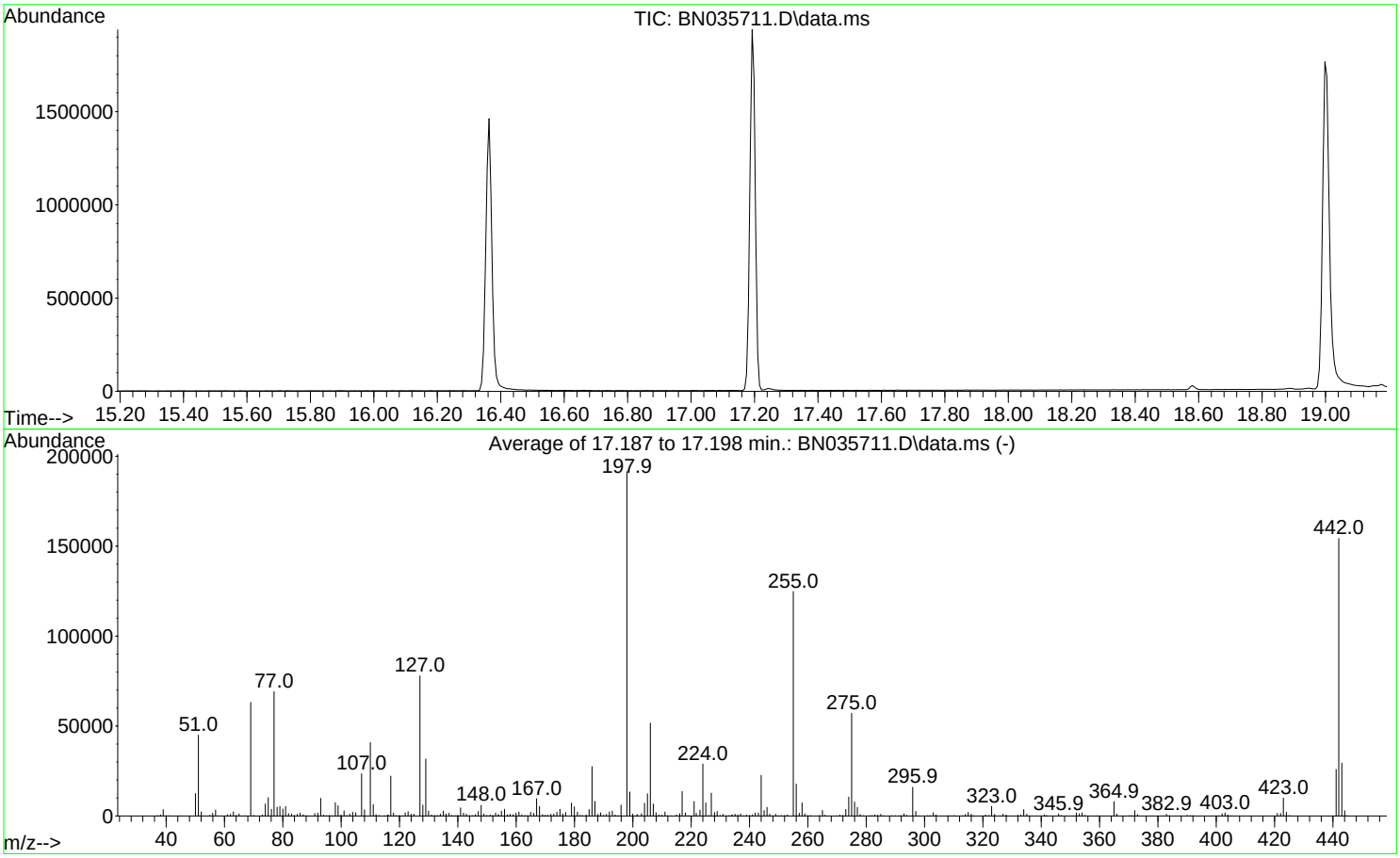
Date	Instrument Name	DFTPP Data File
11/27/2024	BNA_N	BN035349.D
Compound Name	**Response**	**Retention Time**
DDT	985457	20.286
DDD	27636	19.839
DDE	578	19.322
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
28214	1013671	2.78

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035711.D
Acq On : 19 Dec 2024 18:44
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Dec 19 23:06:19 2024



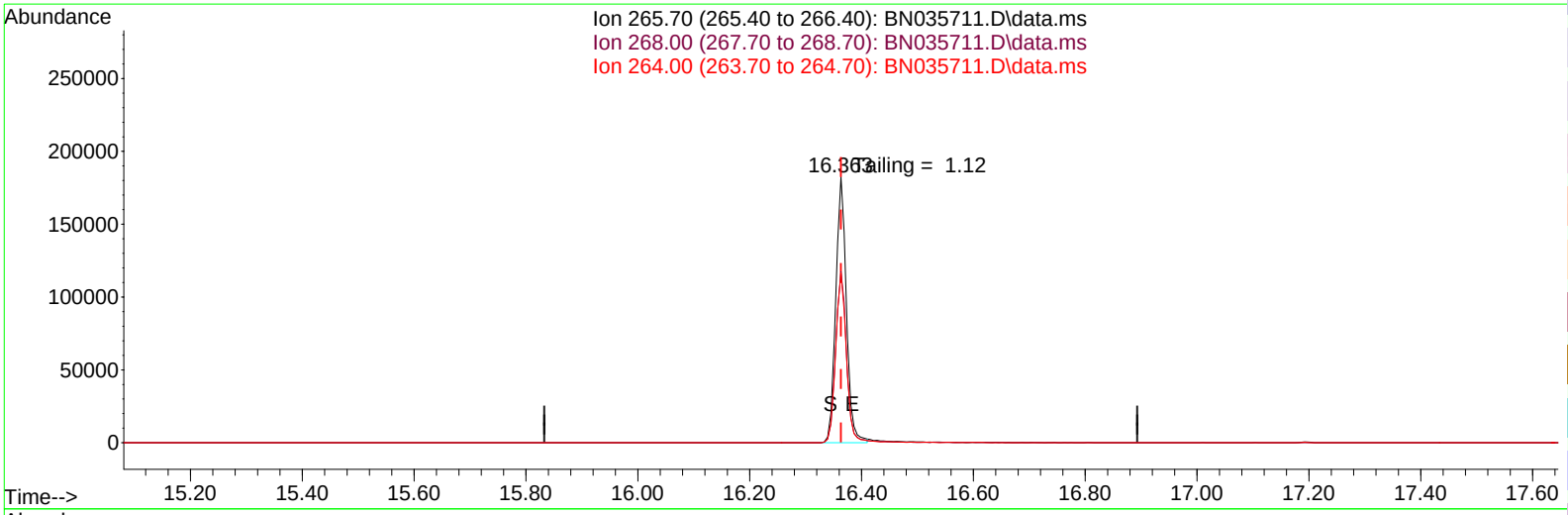
AutoFind: Scans 2431, 2432, 2433; Background Corrected with Scan 2425

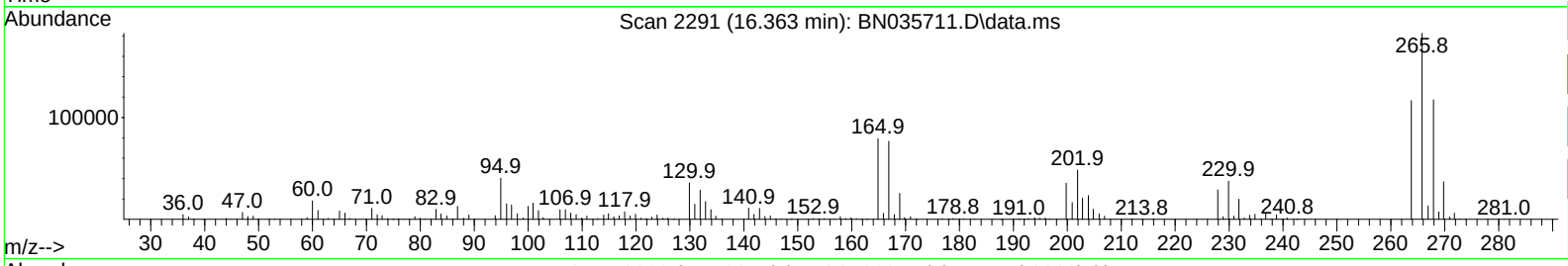
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	23.5	44968	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	33.0	63147	PASS
70	69	0.00	2	0.5	327	PASS
127	198	10	80	40.6	77835	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	191488	PASS
199	198	5	9	7.0	13338	PASS
275	198	10	60	29.9	57160	PASS
365	198	1	100	4.2	8014	PASS
441	198	0.01	100	13.5	25920	PASS
442	442	50	100	100.0	154288	PASS
443	442	15	24	19.1	29413	PASS

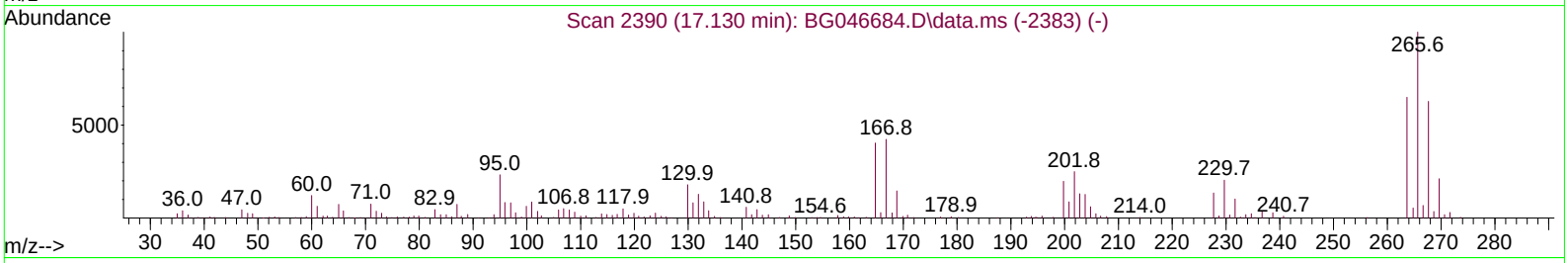
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035711.D
Acq On : 19 Dec 2024 18:44
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Dec 20 01:29:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 20 01:29:08 2024
Response via : Initial Calibration







TIC: BN035711.D\data.ms

(70) Pentachlorophenol (C)

16.363min (0.000) 25694.23 ng

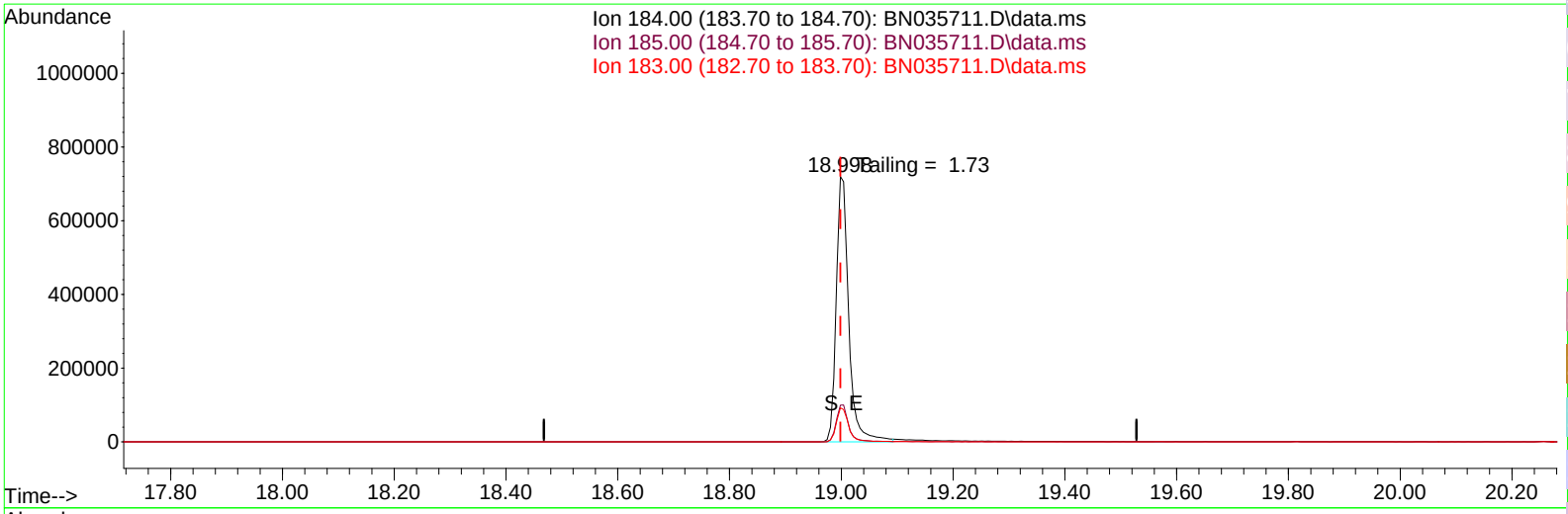
response 246608

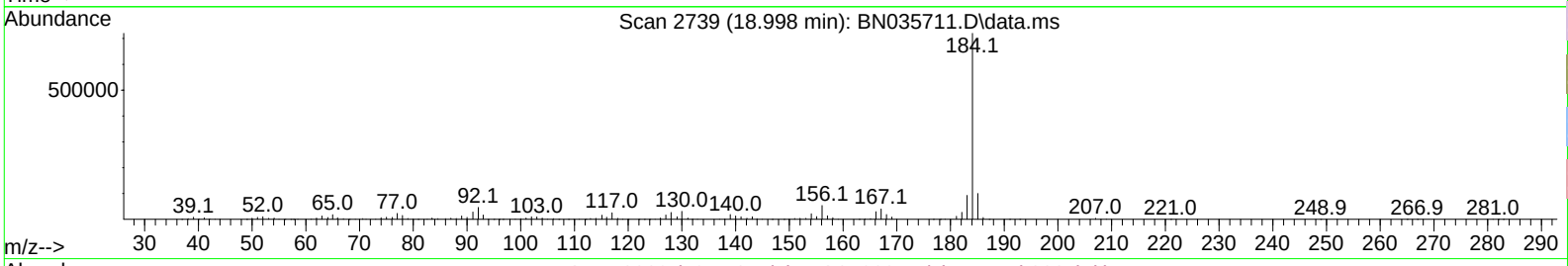
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.20	64.25
264.00	61.60	63.89
0.00	0.00	0.00

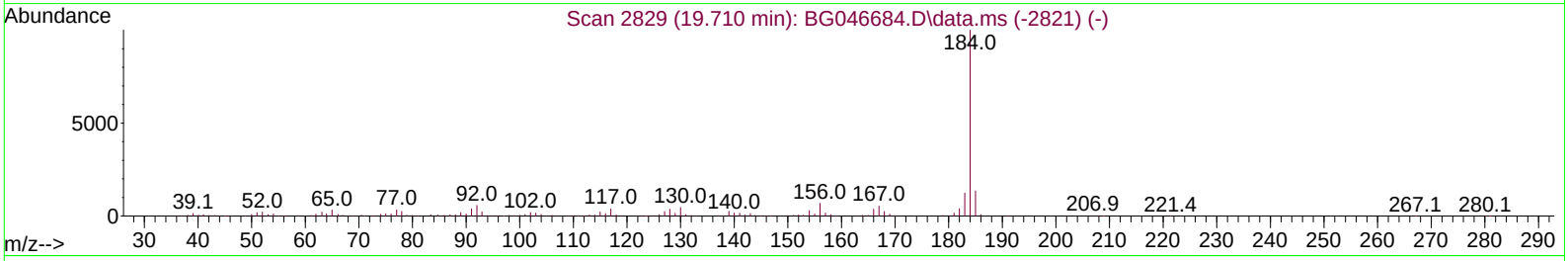
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035711.D
Acq On : 19 Dec 2024 18:44
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Dec 20 01:29:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 20 01:29:08 2024
Response via : Initial Calibration







TIC: BN035711.D\data.ms

(77) Benzidine

18.998min (0.000) 0.00 ng

response 1146216

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.50	13.87
183.00	13.20	12.84
0.00	0.00	0.00

Instrument :
BNA_N
ClientSampleId :
DFTPP

DDT Breakdown

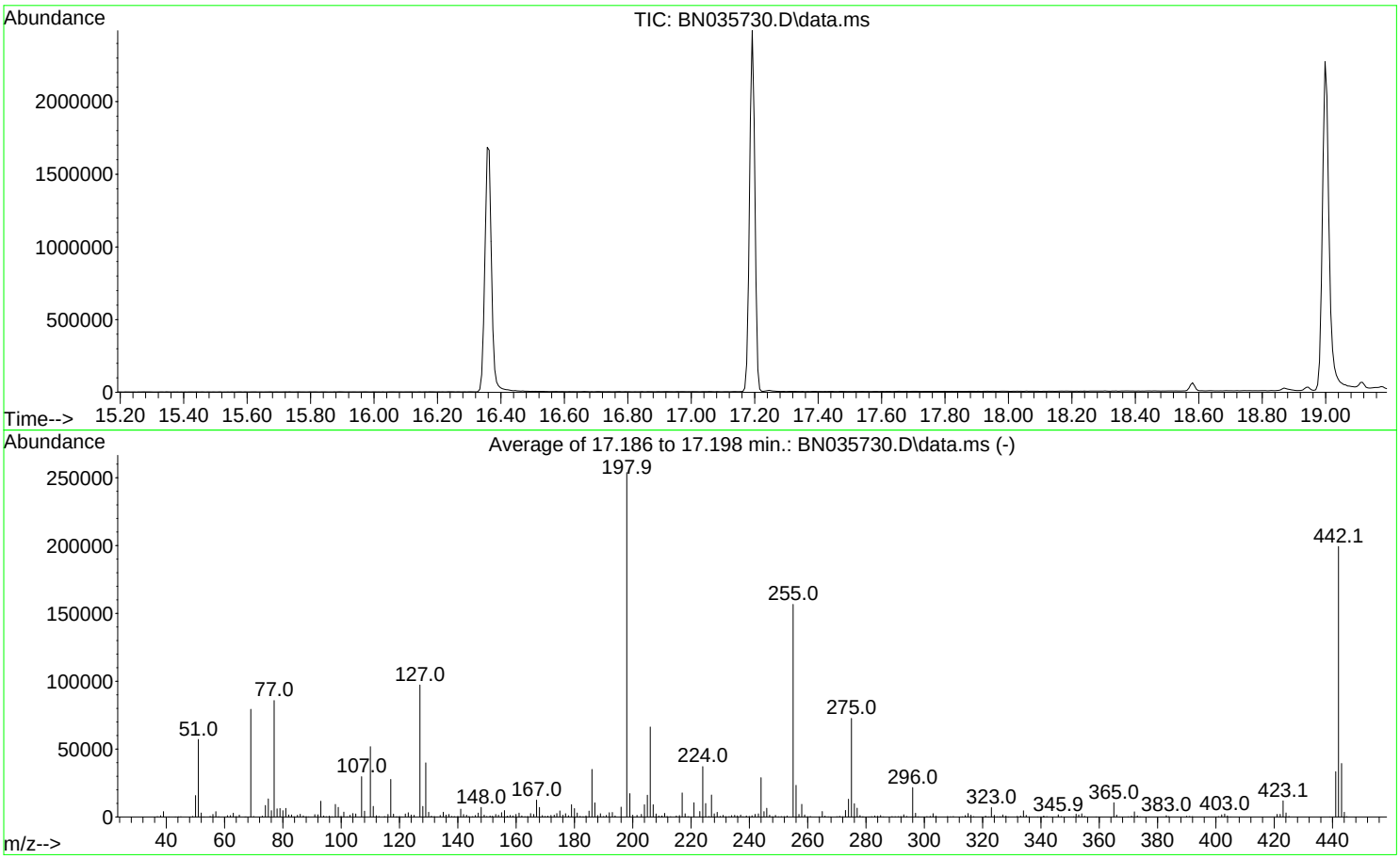
Date	Instrument Name	DFTPP Data File
12/19/2024	BNA_N	BN035711.D
Compound Name	**Response**	**Retention Time**
DDT	267822	20.257
DDD	246838	19.816
DDE	1376	19.298
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
248214	516036	48.10

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035730.D
Acq On : 20 Dec 2024 07:25
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Dec 19 23:06:19 2024



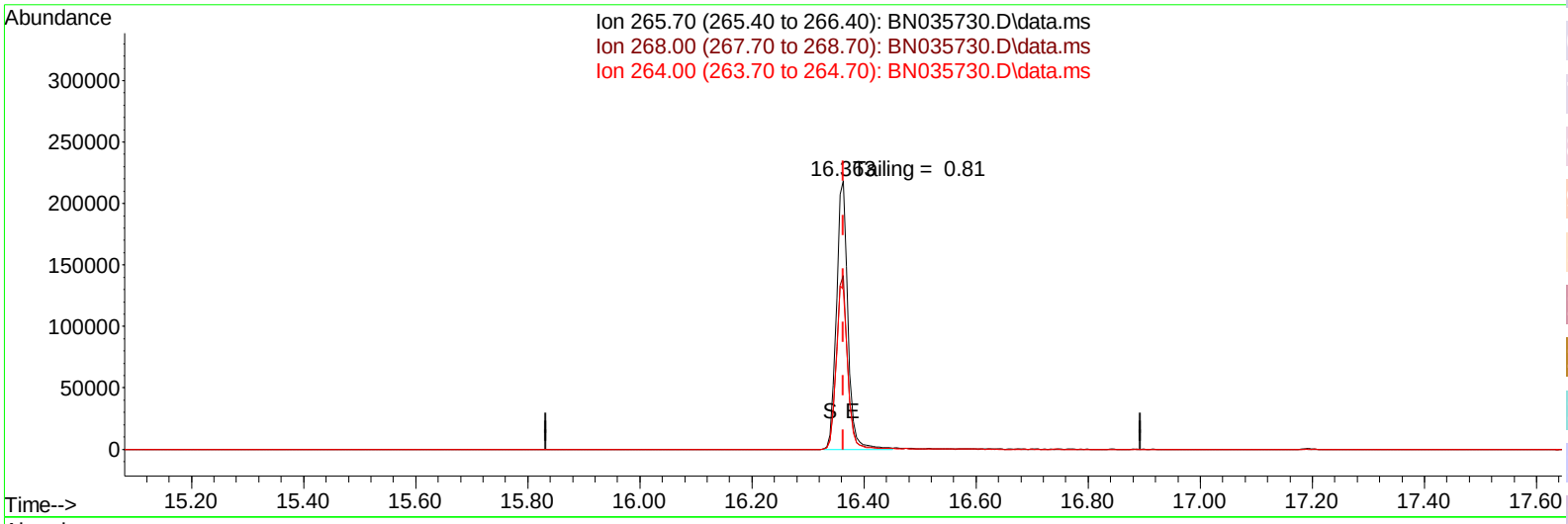
AutoFind: Scans 2431, 2432, 2433; Background Corrected with Scan 2424

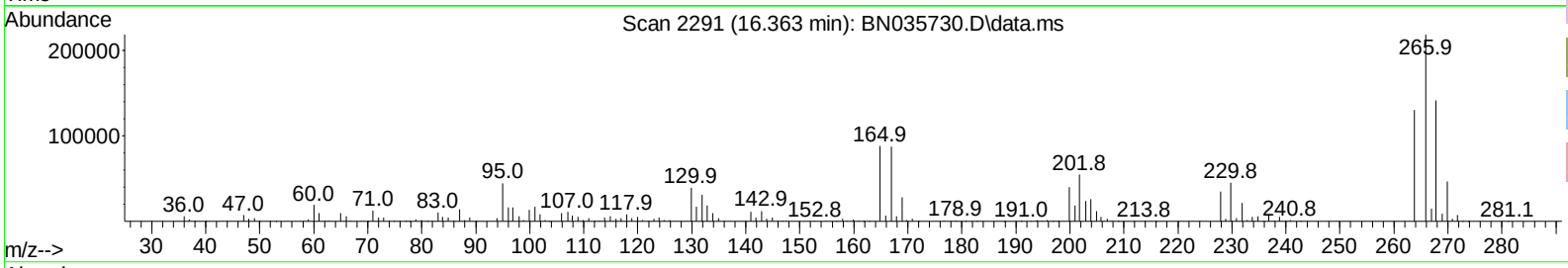
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	22.5	57147	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	31.3	79373	PASS
70	69	0.00	2	0.5	393	PASS
127	198	10	80	38.3	97248	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	253824	PASS
199	198	5	9	6.8	17235	PASS
275	198	10	60	28.6	72629	PASS
365	198	1	100	4.1	10491	PASS
441	198	0.01	100	13.2	33387	PASS
442	442	50	100	100.0	199296	PASS
443	442	15	24	19.8	39411	PASS

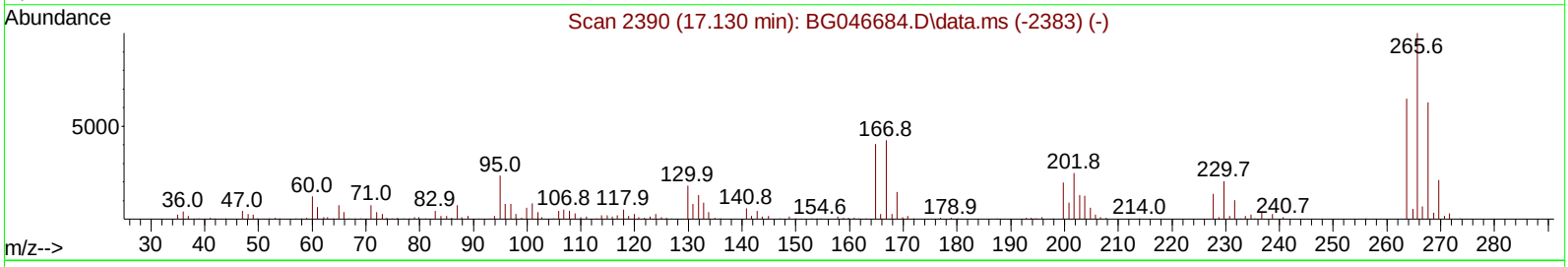
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035730.D
Acq On : 20 Dec 2024 07:25
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Dec 20 08:05:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 20 08:05:13 2024
Response via : Initial Calibration







TIC: BN035730.D\data.ms

(70) Pentachlorophenol (C)

16.363min (0.000) 28931.39 ng

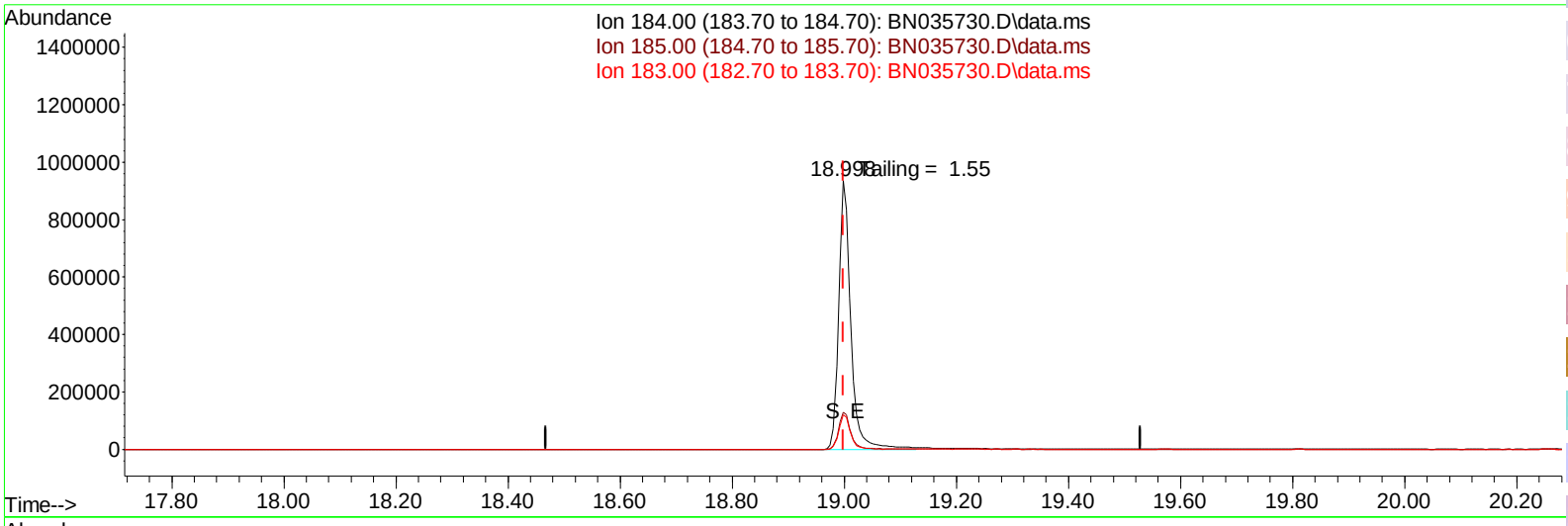
response 314005

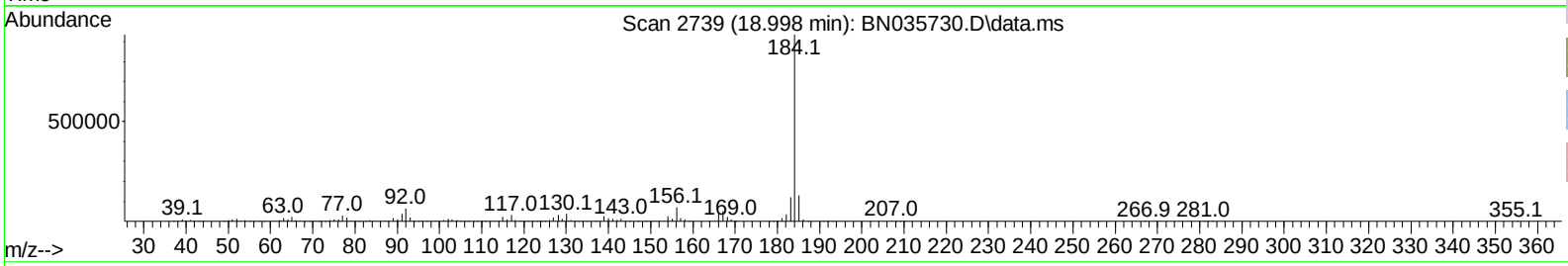
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.20	64.75
264.00	61.60	59.64
0.00	0.00	0.00

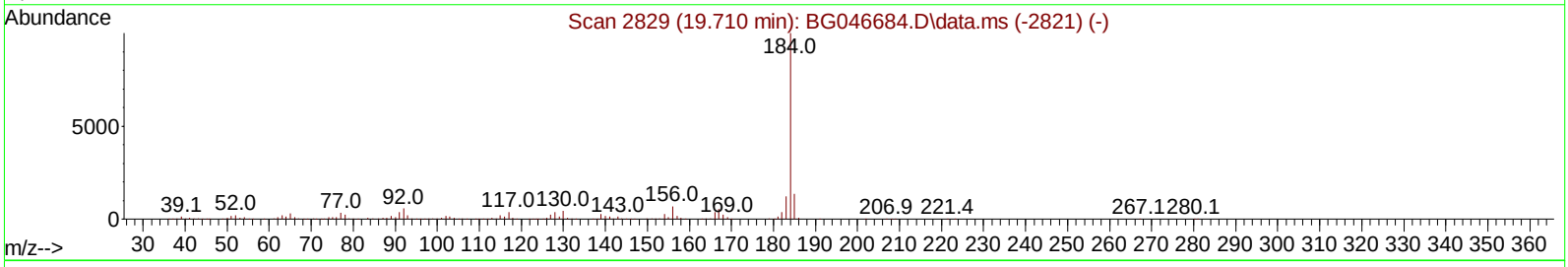
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035730.D
Acq On : 20 Dec 2024 07:25
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Dec 20 08:05:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 20 08:05:13 2024
Response via : Initial Calibration







TIC: BN035730.D\data.ms

(77) Benzidine

18.998min (0.000) 0.00 ng

response 1433915

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.50	13.90
183.00	13.20	12.84
0.00	0.00	0.00

Instrument :
BNA_N
ClientSampleId :
DFTPP

DDT Breakdown

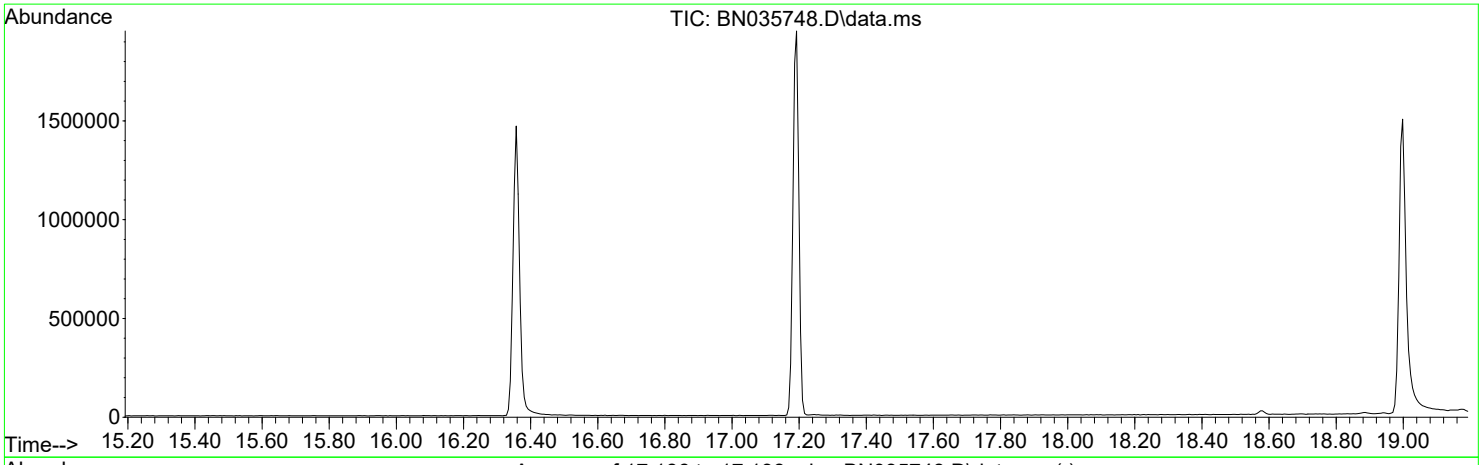
Date	Instrument Name	DFTPP Data File
12/19/2024	BNA_N	BN035730.D
Compound Name	**Response**	**Retention Time**
DDT	433840	20.257
DDD	250906	19.81
DDE	2152	19.292
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
253058	686898	36.84

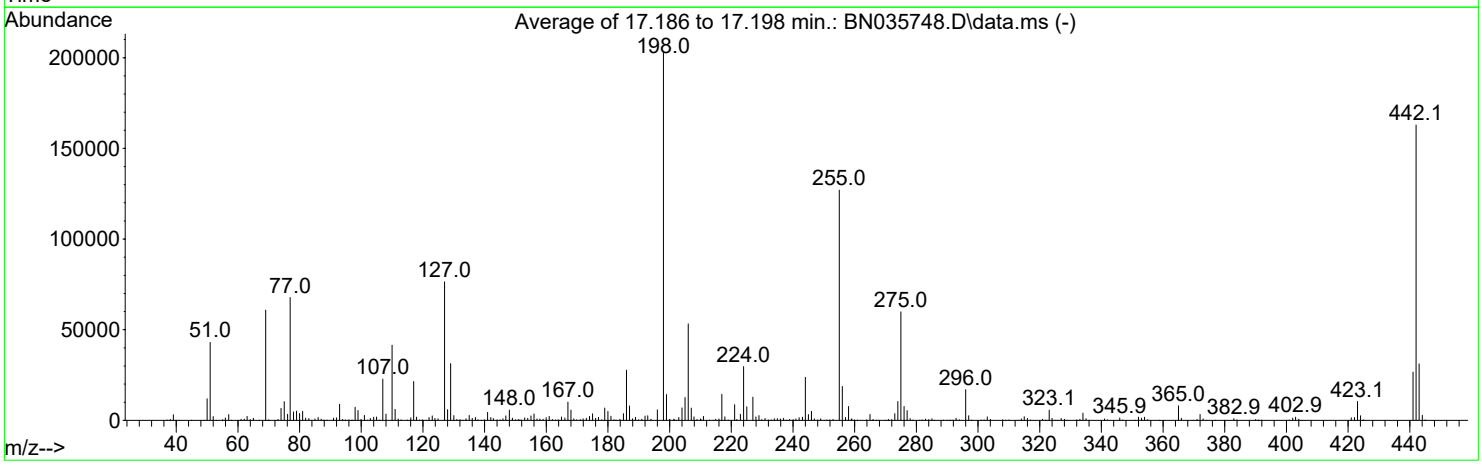
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035748.D
Acq On : 20 Dec 2024 18:54
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Dec 19 23:06:19 2024





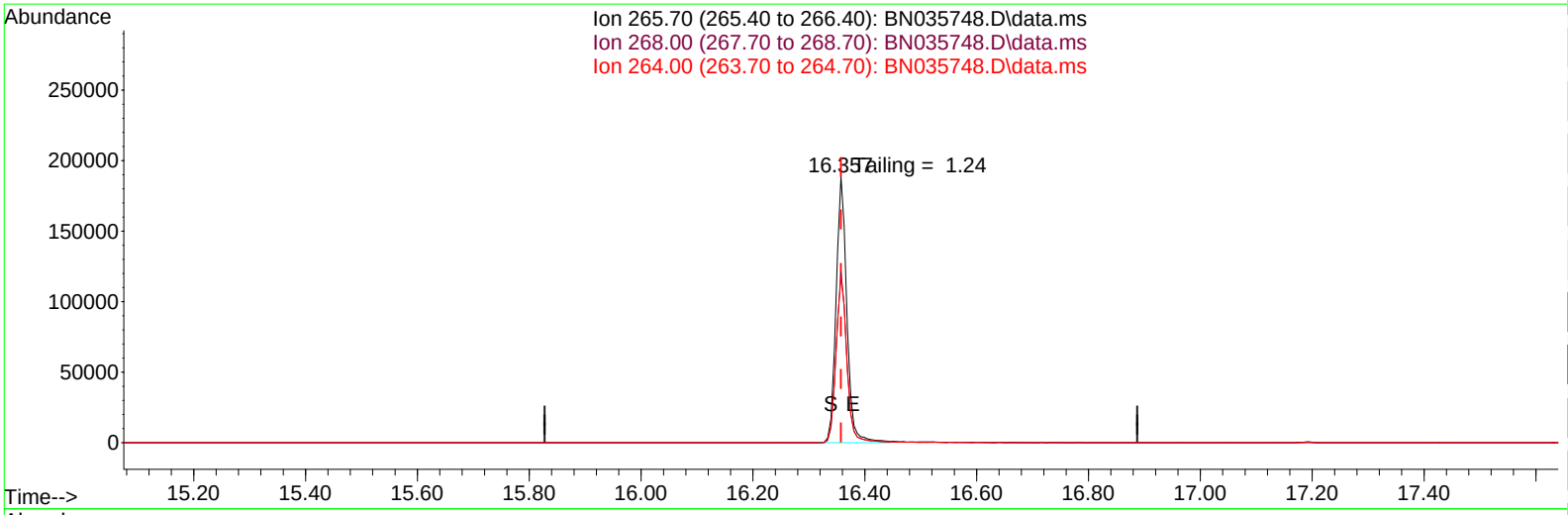
AutoFind: Scans 2431, 2432, 2433; Background Corrected with Scan 2424

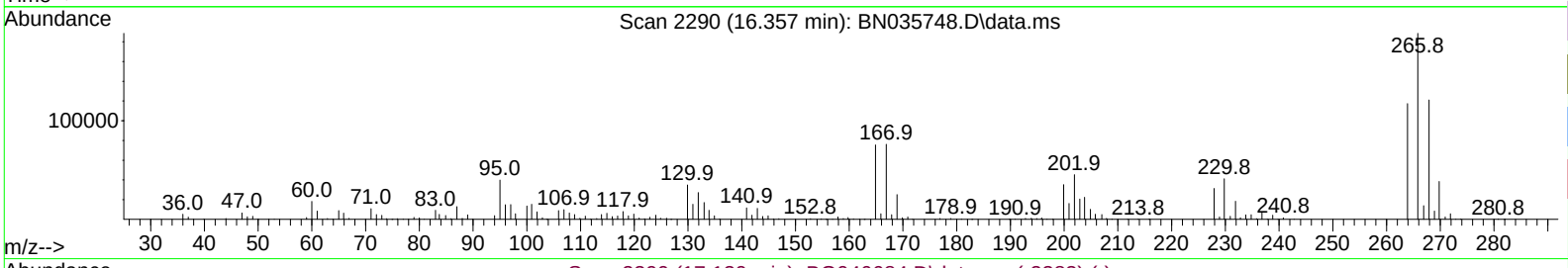
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	21.2	43029	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	30.0	60827	PASS
70	69	0.00	2	0.5	295	PASS
127	198	10	80	37.7	76443	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	202901	PASS
199	198	5	9	7.0	14189	PASS
275	198	10	60	29.5	59856	PASS
365	198	1	100	4.0	8044	PASS
441	198	0.01	100	13.1	26624	PASS
442	442	50	100	100.0	162944	PASS
443	442	15	24	19.1	31128	PASS

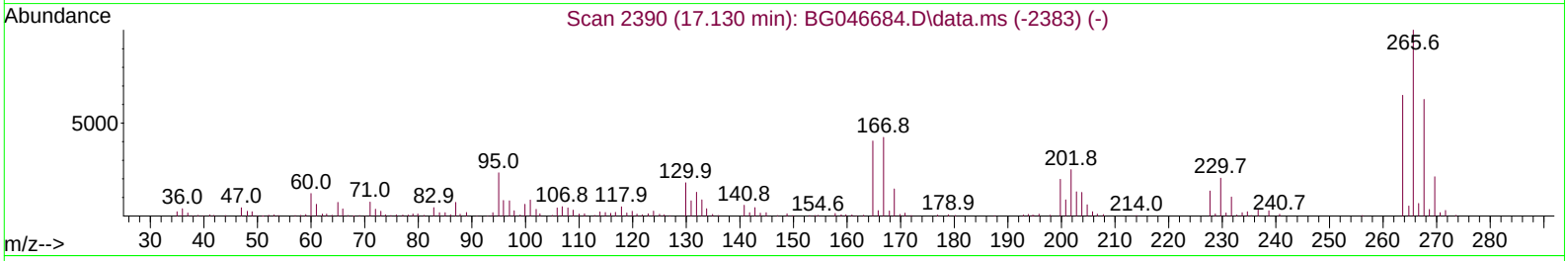
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035748.D
Acq On : 20 Dec 2024 18:54
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Dec 21 02:12:58 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Dec 21 02:12:53 2024
Response via : Initial Calibration







TIC: BN035748.D\data.ms

(70) Pentachlorophenol (C)

16.357min (0.000) 26492.80 ng

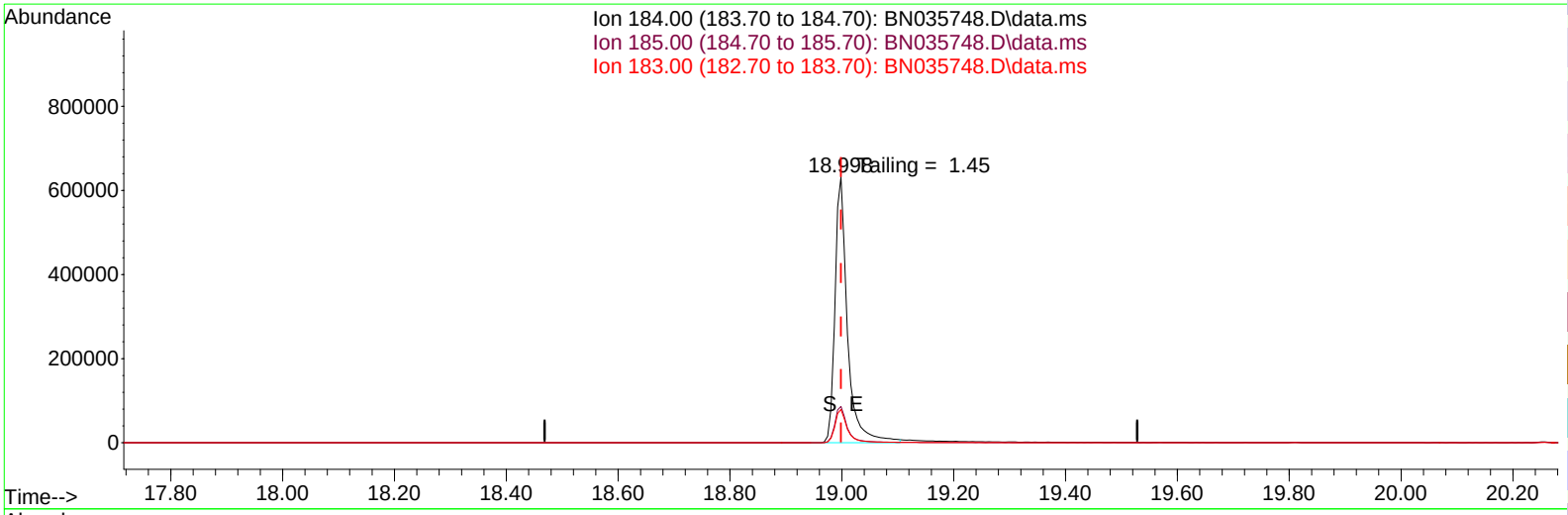
response 255312

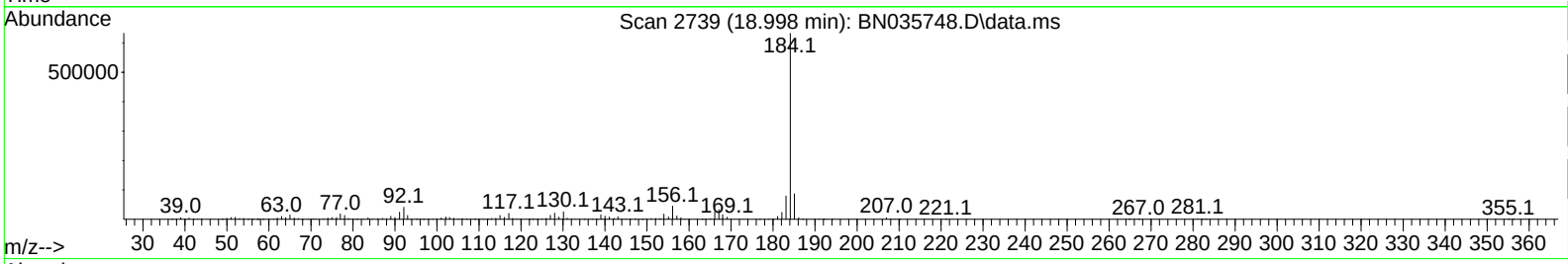
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.20	64.24
264.00	61.60	62.22
0.00	0.00	0.00

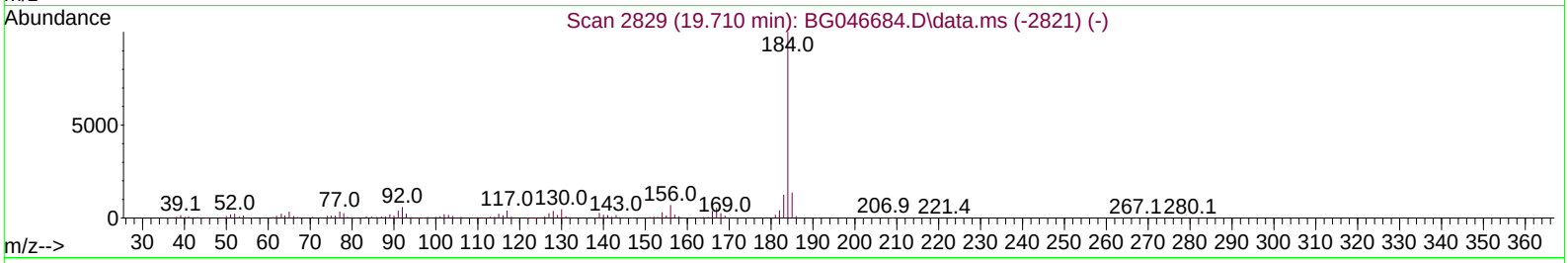
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035748.D
Acq On : 20 Dec 2024 18:54
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Dec 21 02:12:58 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Dec 21 02:12:53 2024
Response via : Initial Calibration







TIC: BN035748.D\data.ms

(77) Benzidine

18.998min (0.000) 0.00 ng

response 1005370

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.50	13.70
183.00	13.20	12.52
0.00	0.00	0.00

Instrument :
BNA_N
ClientSampleId :
DFTPP

DDT Breakdown

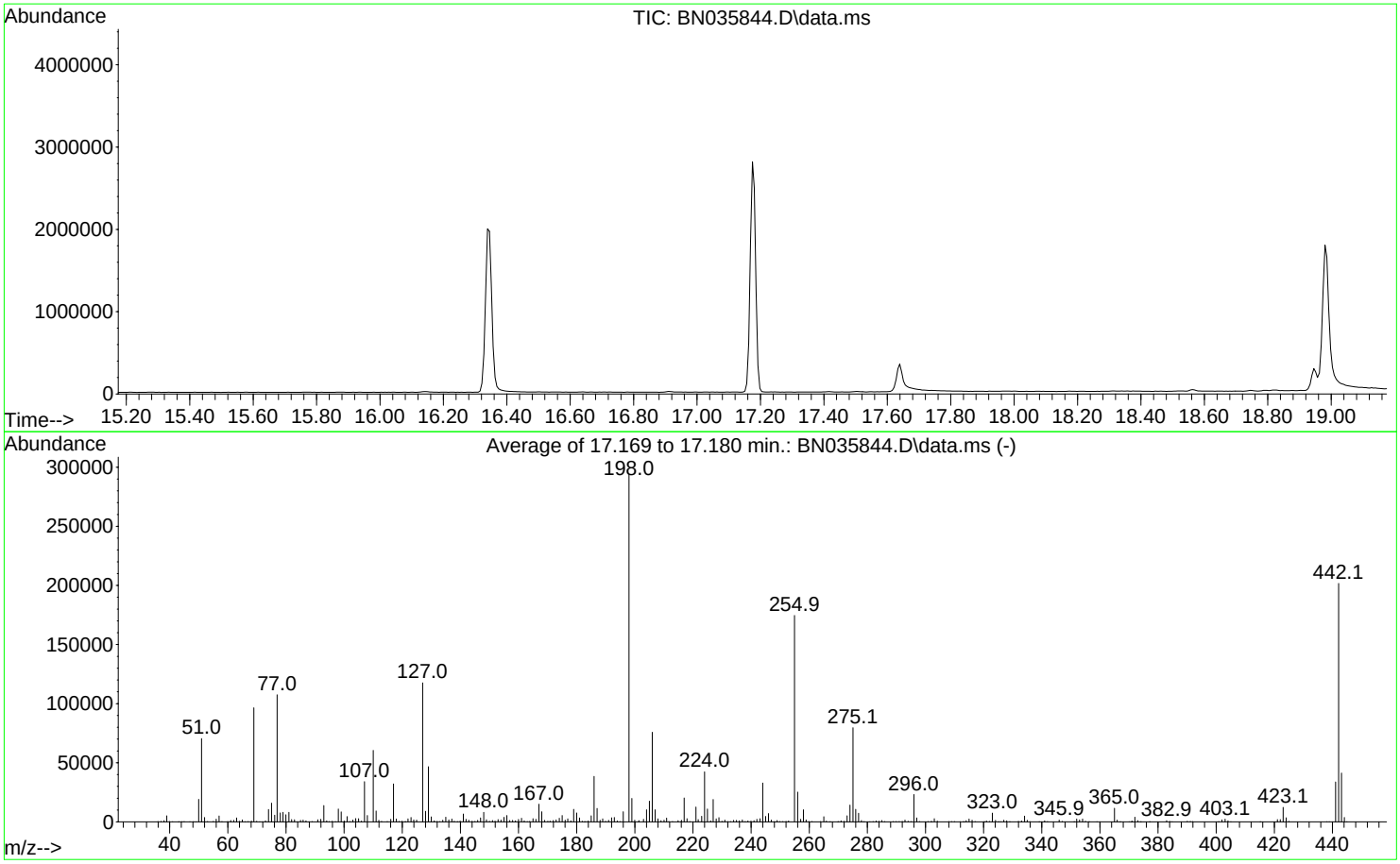
Date	Instrument Name	DFTPP Data File
12/19/2024	BNA_N	BN035748.D
Compound Name	**Response**	**Retention Time**
DDT	418200	20.257
DDD	184217	19.816
DDE	2622	19.292
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
186839	605039	30.88

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122624\
Data File : BN035844.D
Acq On : 26 Dec 2024 09:19
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Dec 19 23:06:19 2024



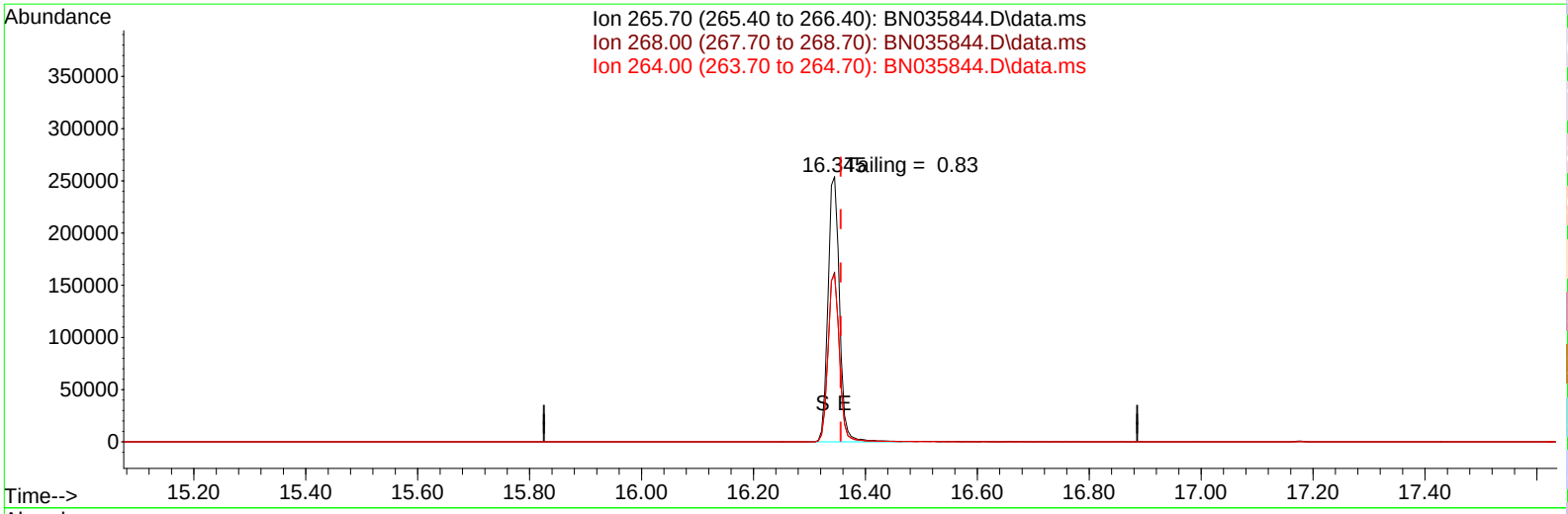
AutoFind: Scans 2428, 2429, 2430; Background Corrected with Scan 2422

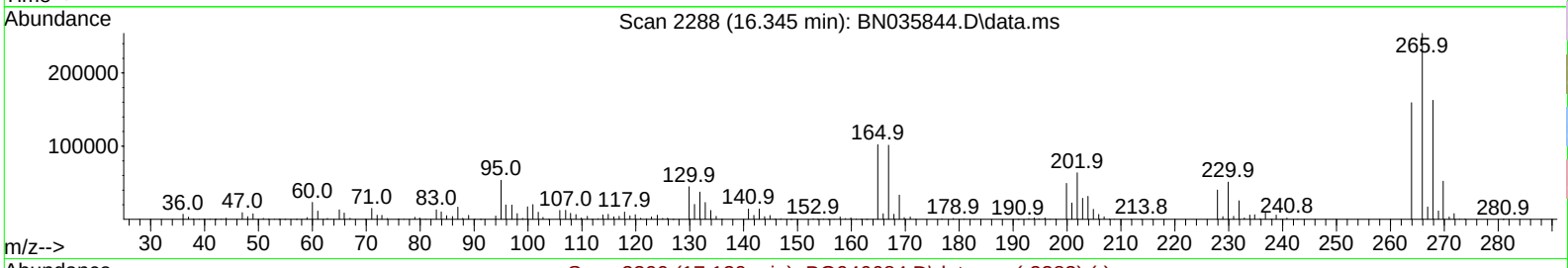
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	24.0	70451	PASS
68	69	0.00	2	0.6	610	PASS
69	198	0.00	100	32.9	96557	PASS
70	69	0.00	2	0.5	480	PASS
127	198	10	80	40.0	117549	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	293824	PASS
199	198	5	9	6.7	19833	PASS
275	198	10	60	27.1	79648	PASS
365	198	1	100	3.9	11517	PASS
441	198	0.01	100	11.5	33733	PASS
442	442	50	100	100.0	201656	PASS
443	442	15	24	20.5	41285	PASS

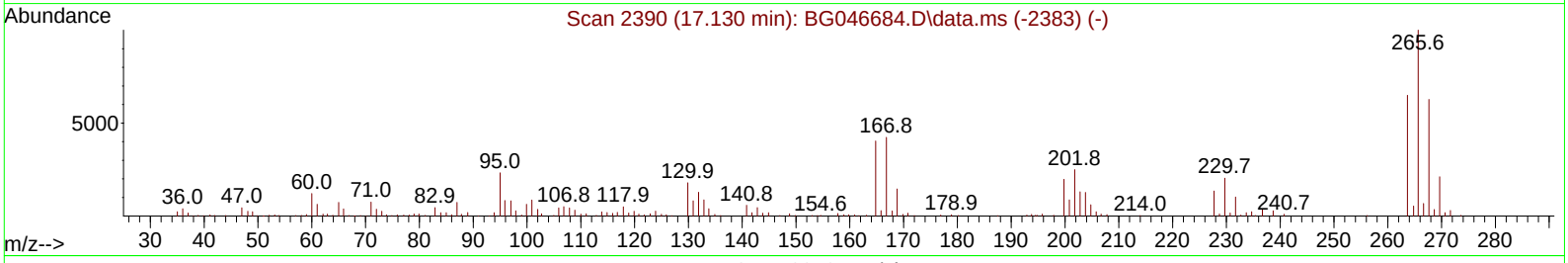
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122624\
Data File : BN035844.D
Acq On : 26 Dec 2024 09:19
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Dec 26 18:22:22 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 25 04:23:53 2024
Response via : Initial Calibration







TIC: BN035844.D\data.ms

(70) Pentachlorophenol (C)

16.345min (-0.011) 24950.02 ng

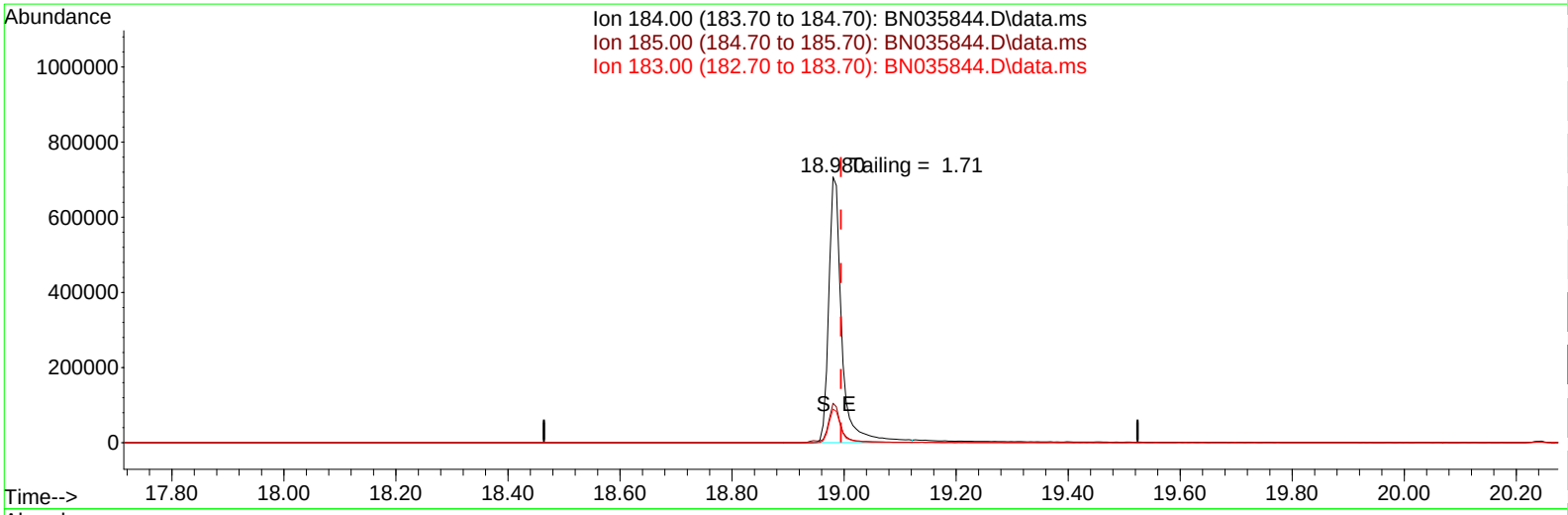
response 363016

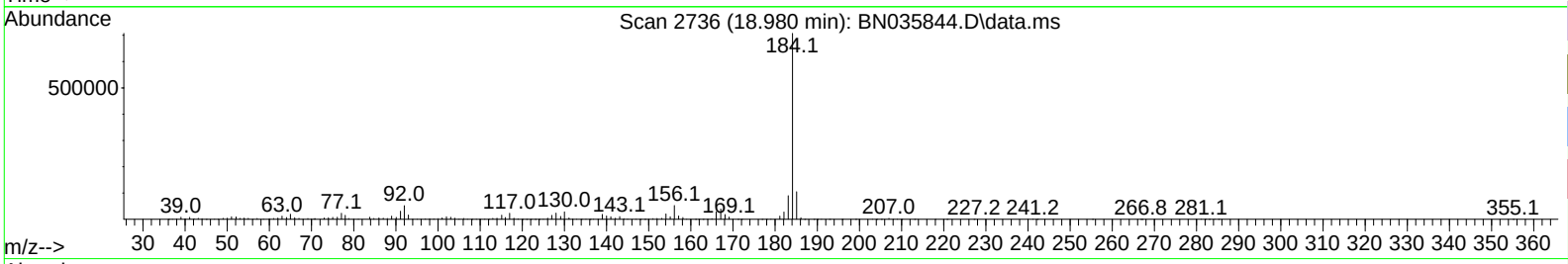
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.20	64.03
264.00	61.60	62.72
0.00	0.00	0.00

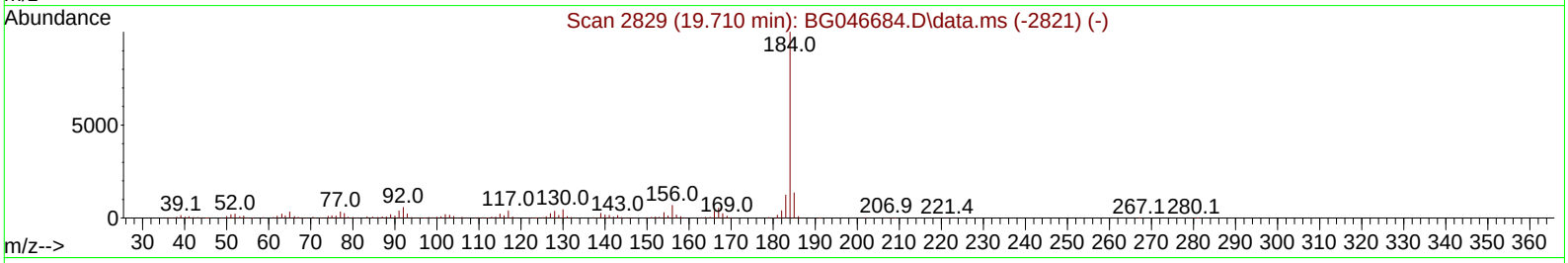
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122624\
Data File : BN035844.D
Acq On : 26 Dec 2024 09:19
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Dec 26 18:24:21 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 25 04:23:53 2024
Response via : Initial Calibration







TIC: BN035844.D\data.ms

(77) Benzidine

18.980min (-0.014) 0.00 ng

response 1183784

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.50	14.84
183.00	13.20	12.69
0.00	0.00	0.00

Instrument :
BNA_N
ClientSampleId :
DFTPP

DDT Breakdown

Date	Instrument Name	DFTPP Data File
12/26/2024	BNA_N	BN035844.D
Compound Name	**Response**	**Retention Time**
DDT	999259	20.239
DDD	18711	19.798
DDE	516	19.28
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
19227	1018486	1.89

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	PB165596BL	SDG No.:	P5261
Lab Sample ID:	PB165596BL	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035713.D	1	12/12/24 10:30	12/19/24 20:35	PB165596

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.20	U	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.38		30 - 150		96%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.39		30 - 150		97%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.44		55 - 111		109%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.32		53 - 106		81%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.52		58 - 132		131%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3230	7.272				
1146-65-2	Naphthalene-d8	8560	10.02				
15067-26-2	Acenaphthene-d10	5770	13.935				
1517-22-2	Phenanthrene-d10	10700	16.711				
1719-03-5	Chrysene-d12	9840	20.956				
1520-96-3	Perylene-d12	11200	23.044				

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_N\Data\BN121924\
Data File : BN035713.D
Acq On : 19 Dec 2024 20:35
Operator : RC/JU
Sample : PB165596BL
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 19 23:11:28 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
PB165596BL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.272	152	3228	0.400	ng	0.00
7) Naphthalene-d8	10.020	136	8561	0.400	ng	0.00
13) Acenaphthene-d10	13.935	164	5768	0.400	ng	0.00
19) Phenanthrene-d10	16.711	188	10744	0.400	ng	# 0.01
29) Chrysene-d12	20.956	240	9839	0.400	ng	# 0.00
35) Perylene-d12	23.044	264	11233	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.939	112	2902	0.359	ng	0.00
5) Phenol-d6	6.492	99	2957	0.304	ng	0.00
8) Nitrobenzene-d5	8.418	82	2280m	0.436	ng	0.01
11) 2-Methylnaphthalene-d10	11.631	152	5143	0.384	ng	0.00
14) 2,4,6-Tribromophenol	15.464	330	464	0.113	ng	0.01
15) 2-Fluorobiphenyl	12.549	172	7059	0.324	ng	0.00
27) Fluoranthene-d10	18.766	212	11890	0.390	ng	0.00
31) Terphenyl-d14	19.393	244	10159	0.523	ng	0.00
Target Compounds						Qvalue

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035713.D
Acq On : 19 Dec 2024 20:35
Operator : RC/JU
Sample : PB165596BL
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 19 23:11:28 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

Instrument :
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ClientSampleId :
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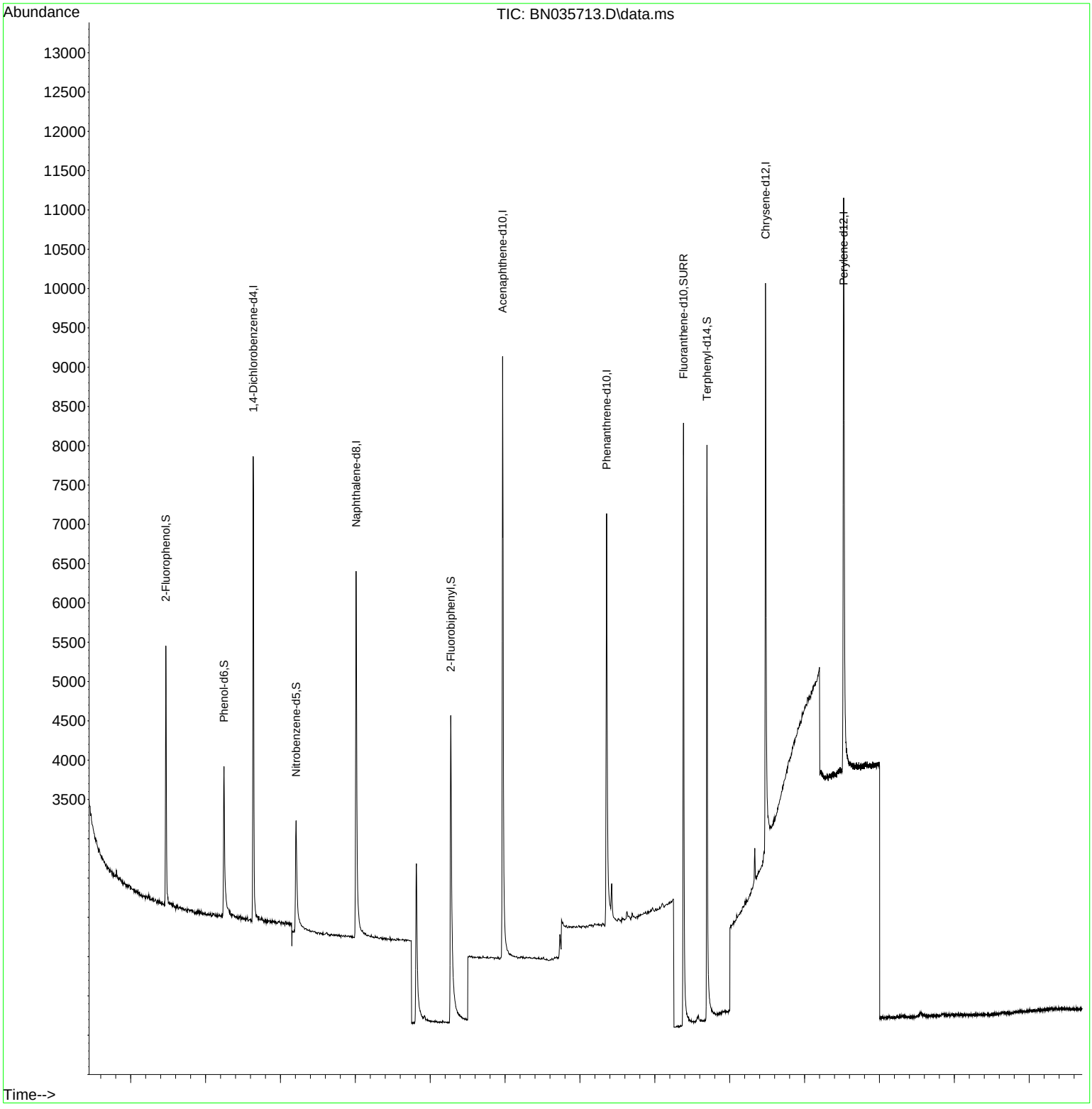
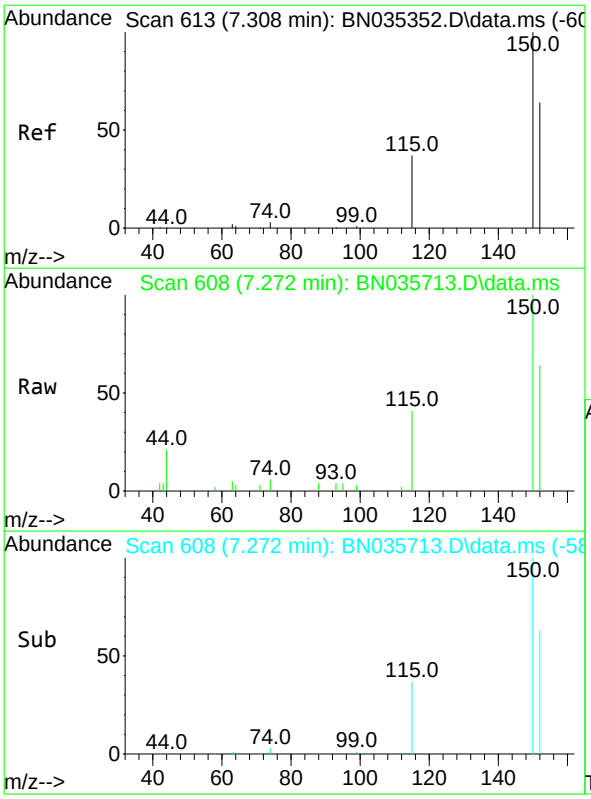
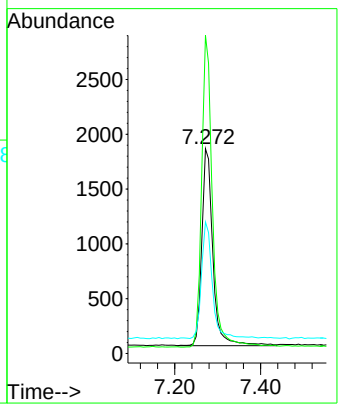




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.272 min Scan# 60
Delta R.T. -0.000 min
Lab File: BN035713.D
Acq: 19 Dec 2024 20:35

Tgt Ion:152 Resp: 3228

Ion	Ratio	Lower	Upper
152	100		
150	155.4	124.0	186.0
115	64.2	49.6	74.4



Instrument :
BNA_N
ClientSampleId :
PB165596BL

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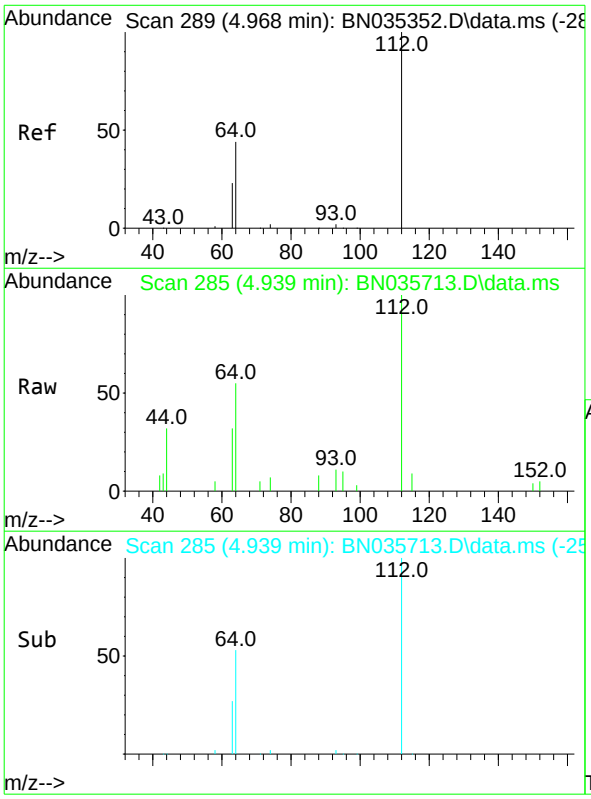
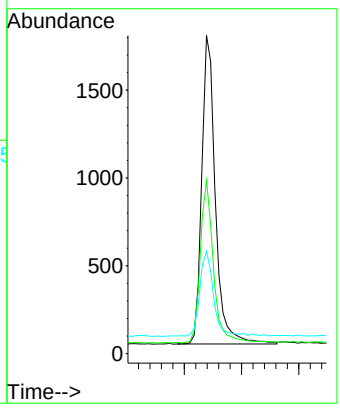
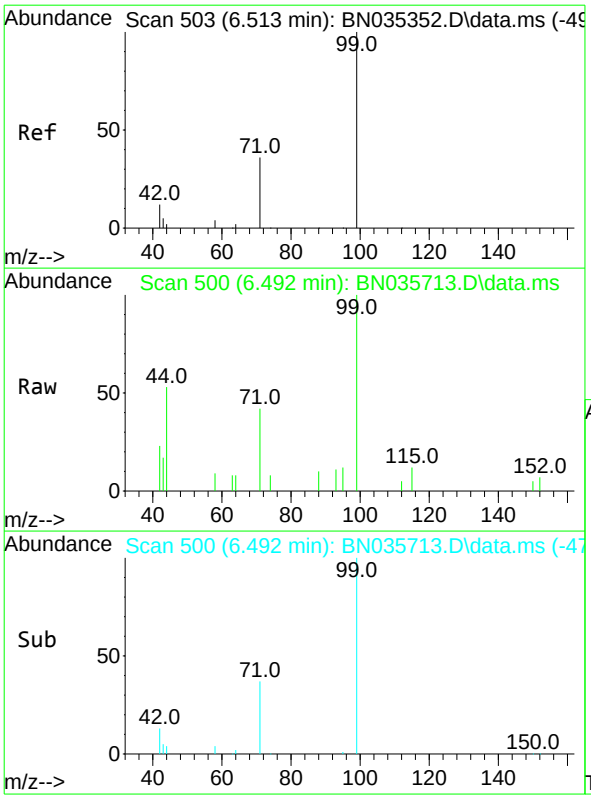


#4
2-Fluorophenol
Concen: 0.359 ng
RT: 4.939 min Scan# 285
Delta R.T. -0.000 min
Lab File: BN035713.D
Acq: 19 Dec 2024 20:35

Tgt Ion:112 Resp: 2902

Ion	Ratio	Lower	Upper
112	100		
64	51.3	39.8	59.8
63	28.8	21.0	31.6

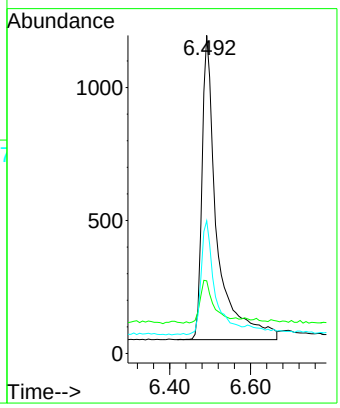




#5
Phenol-d6
Concen: 0.304 ng
RT: 6.492 min Scan# 50
Delta R.T. -0.000 min
Lab File: BN035713.D
Acq: 19 Dec 2024 20:35

Tgt Ion: 99 Resp: 2957

Ion	Ratio	Lower	Upper
99	100		
42	13.5	11.4	17.2
71	34.2	29.3	43.9



Instrument :
BNA_N
ClientSampleId :
PB165596BL

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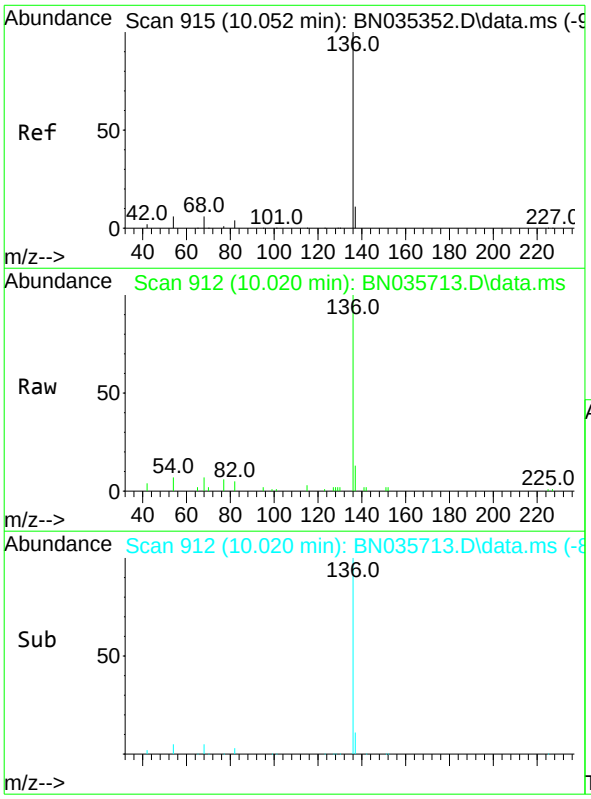
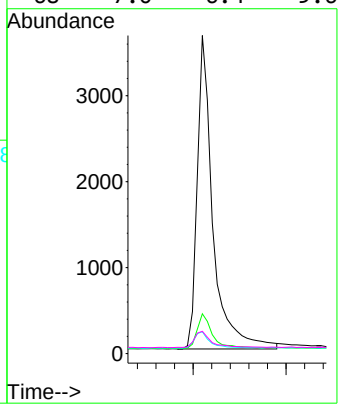
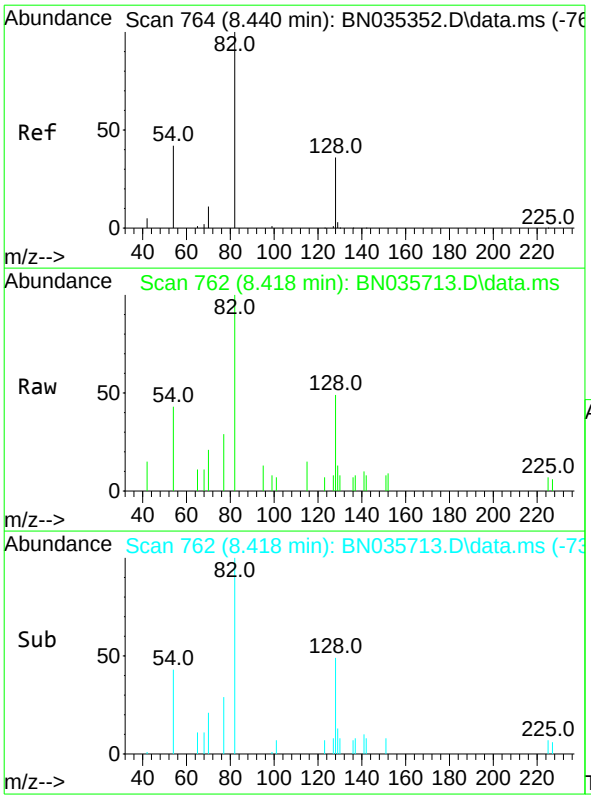


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.020 min Scan# 912
Delta R.T. -0.000 min
Lab File: BN035713.D
Acq: 19 Dec 2024 20:35

Tgt Ion:136 Resp: 8561

Ion	Ratio	Lower	Upper
136	100		
137	12.5	10.2	15.2
54	6.9	6.1	9.1
68	7.0	6.4	9.6

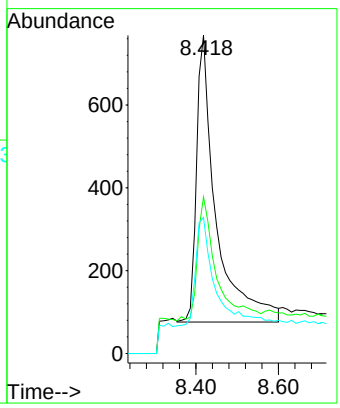




#8
Nitrobenzene-d5
Concen: 0.436 ng m
RT: 8.418 min Scan# 76
Delta R.T. 0.010 min
Lab File: BN035713.D
Acq: 19 Dec 2024 20:35

Tgt Ion: 82 Resp: 2280

Ion	Ratio	Lower	Upper
82	100		
128	49.2	33.4	50.0
54	42.7	36.7	55.1



Instrument :
BNA_N
ClientSampleId :
PB165596BL

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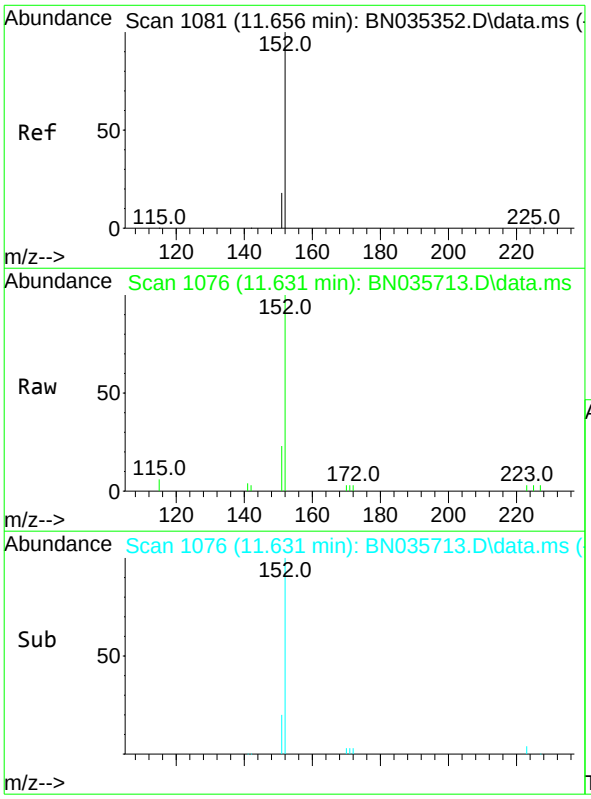
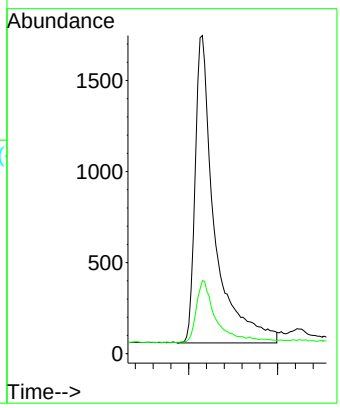
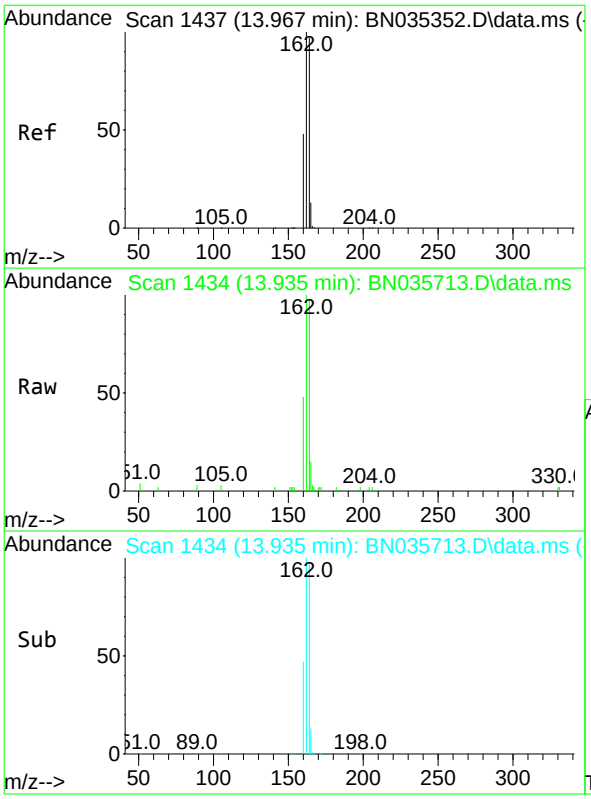


#11
2-Methylnaphthalene-d10
Concen: 0.384 ng
RT: 11.631 min Scan# 1076
Delta R.T. 0.010 min
Lab File: BN035713.D
Acq: 19 Dec 2024 20:35

Tgt Ion:152 Resp: 5143

Ion	Ratio	Lower	Upper
152	100		
151	19.4	16.6	25.0

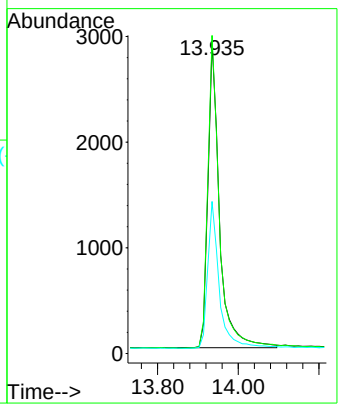




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.935 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035713.D
Acq: 19 Dec 2024 20:35

Tgt Ion:164 Resp: 5768

Ion	Ratio	Lower	Upper
164	100		
162	102.3	82.2	123.2
160	48.9	40.1	60.1



Instrument :
BNA_N
ClientSampleId :
PB165596BL

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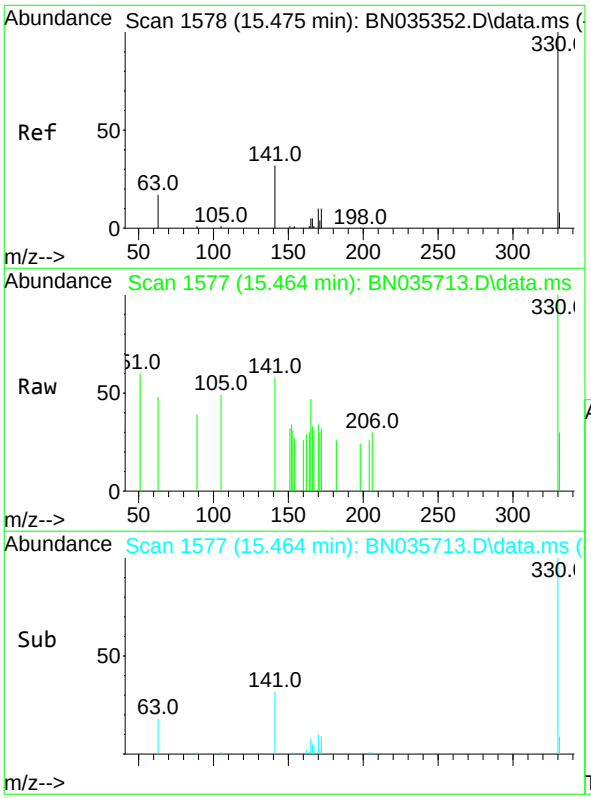
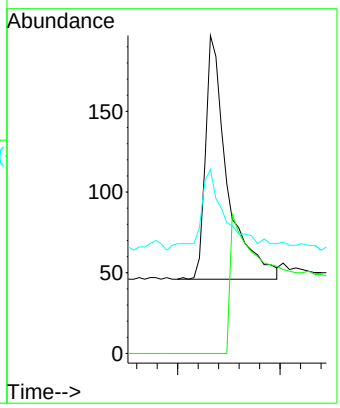
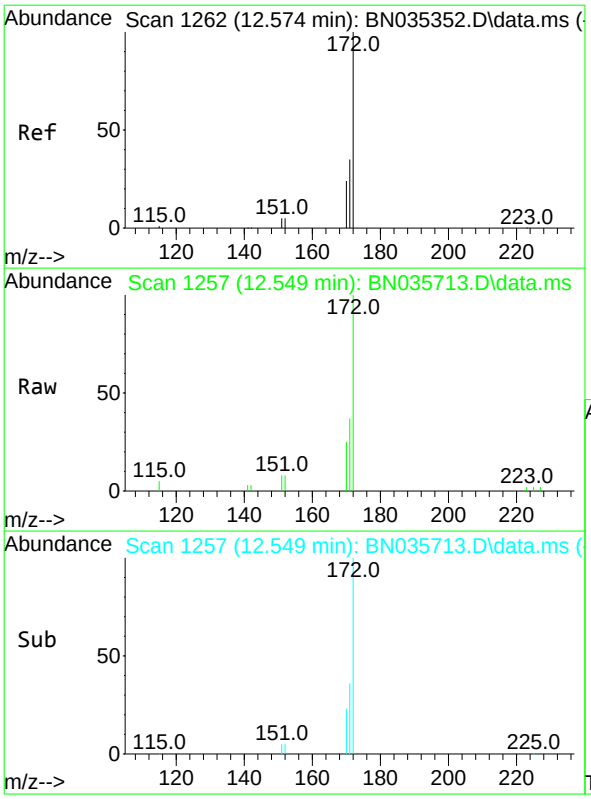


#14
2,4,6-Tribromophenol
Concen: 0.113 ng
RT: 15.464 min Scan# 1577
Delta R.T. 0.011 min
Lab File: BN035713.D
Acq: 19 Dec 2024 20:35

Tgt Ion:330 Resp: 464

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	38.6	26.6	40.0





#15
2-Fluorobiphenyl
Concen: 0.324 ng
RT: 12.549 min Scan# 12
Delta R.T. 0.005 min
Lab File: BN035713.D
Acq: 19 Dec 2024 20:35

Tgt Ion:172 Resp: 7059

Ion	Ratio	Lower	Upper
172	100		
171	37.2	29.0	43.4
170	24.8	19.8	29.8

Instrument :
BNA_N
ClientSampleId :
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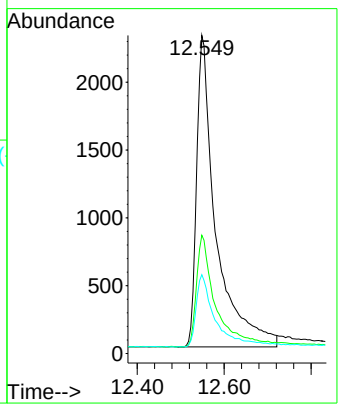
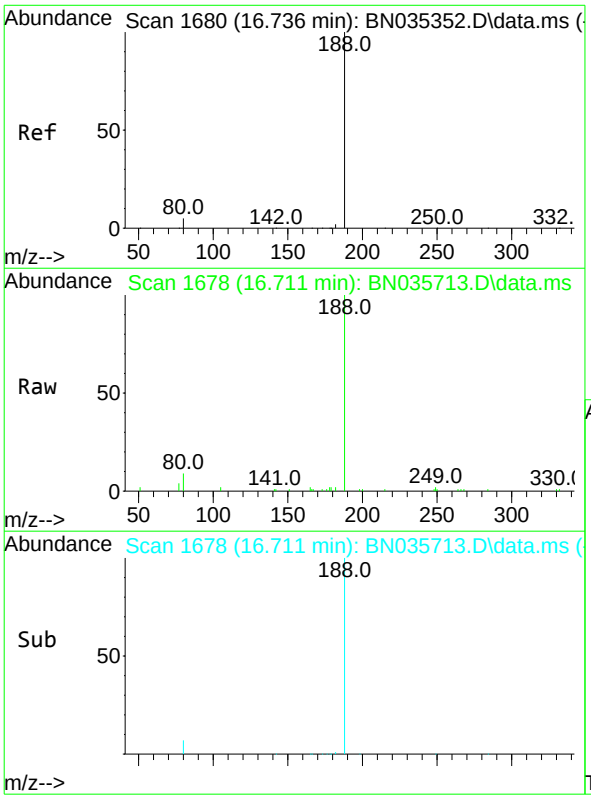
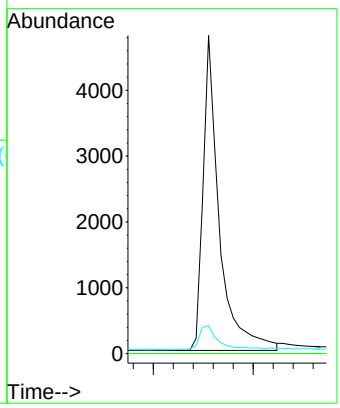


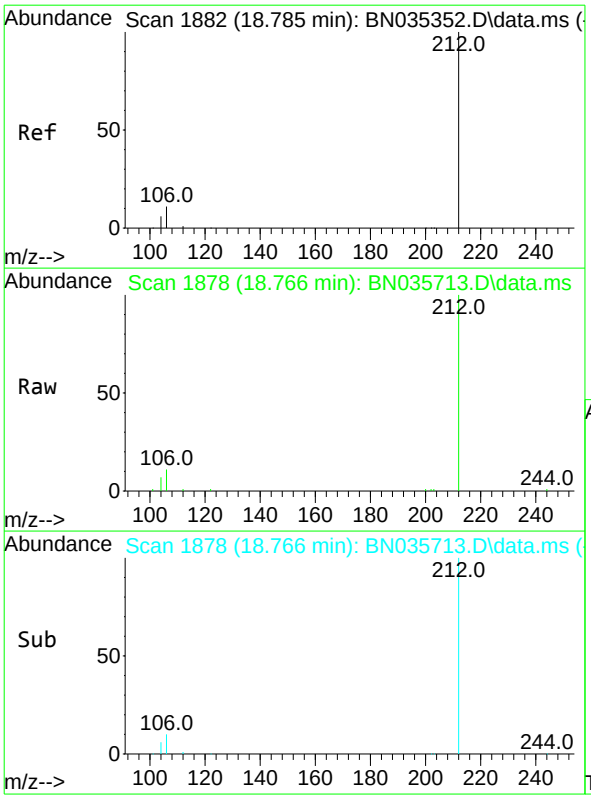


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.711 min Scan# 1678
Delta R.T. 0.012 min
Lab File: BN035713.D
Acq: 19 Dec 2024 20:35

Tgt Ion:188 Resp: 10744

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.8	4.6	6.8#

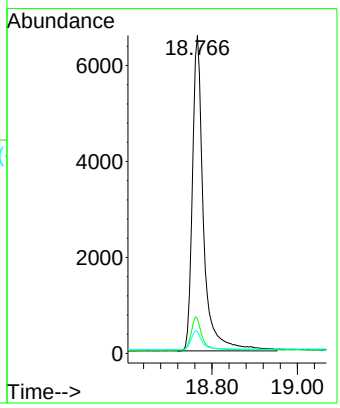




#27
Fluoranthene-d10
Concen: 0.390 ng
RT: 18.766 min Scan# 18
Delta R.T. 0.004 min
Lab File: BN035713.D
Acq: 19 Dec 2024 20:35

Tgt Ion:212 Resp: 11890

Ion	Ratio	Lower	Upper
212	100		
106	10.2	9.2	13.8
104	5.8	5.3	7.9



Instrument :
BNA_N
ClientSampleId :
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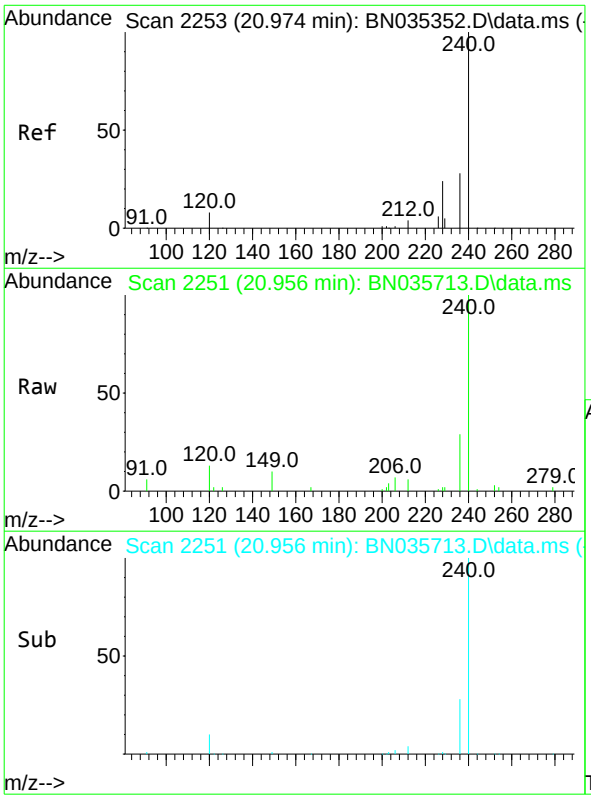
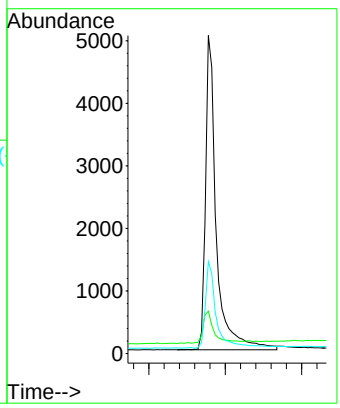
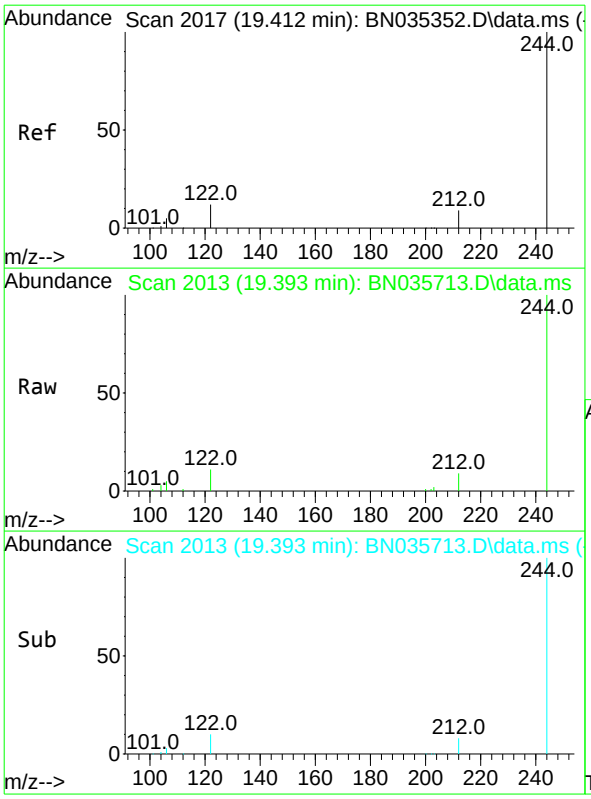


#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.956 min Scan# 2251
Delta R.T. -0.000 min
Lab File: BN035713.D
Acq: 19 Dec 2024 20:35

Tgt Ion:240 Resp: 9839

Ion	Ratio	Lower	Upper
240	100		
120	13.4	7.9	11.9#
236	28.9	22.9	34.3

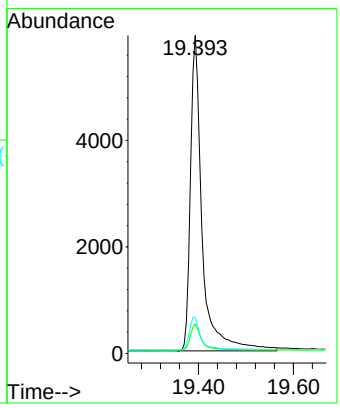




#31
Terphenyl-d14
Concen: 0.523 ng
RT: 19.393 min Scan# 20
Delta R.T. 0.004 min
Lab File: BN035713.D
Acq: 19 Dec 2024 20:35

Tgt Ion:244 Resp: 10159

Ion	Ratio	Lower	Upper
244	100		
212	9.2	8.1	12.1
122	11.2	10.3	15.5



Instrument :
BNA_N
ClientSampleId :
PB165596BL

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 12/21/2024
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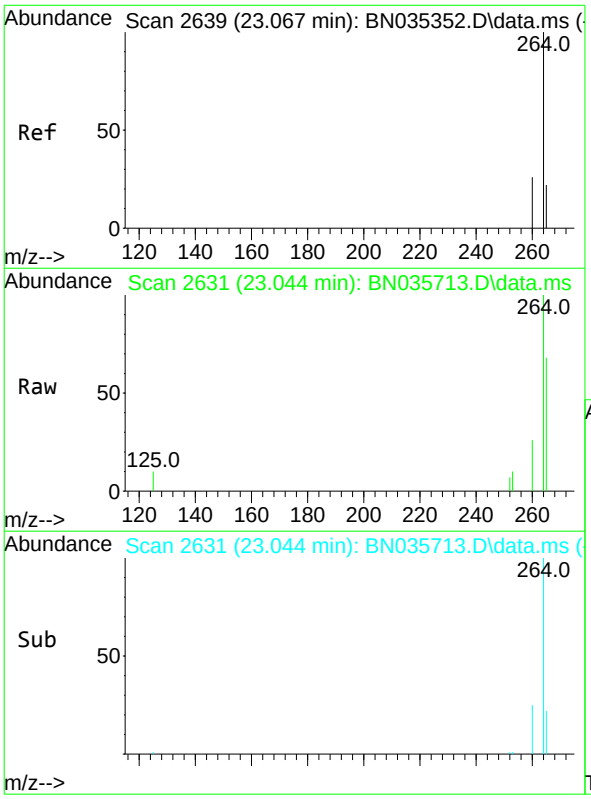
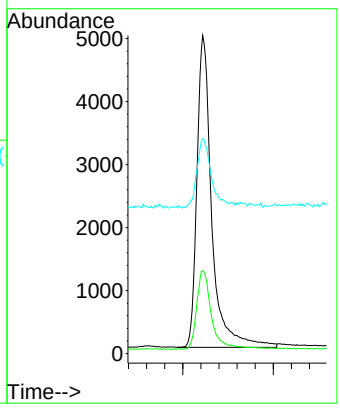


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.044 min Scan# 2631
Delta R.T. 0.003 min
Lab File: BN035713.D
Acq: 19 Dec 2024 20:35

Tgt Ion:264 Resp: 11233

Ion	Ratio	Lower	Upper
264	100		
260	26.0	21.4	32.2
265	67.5	40.2	60.4#



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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	PB165596BS	SDG No.:	P5261
Lab Sample ID:	PB165596BS	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035728.D	1	12/12/24 10:30	12/20/24 05:34	PB165596

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.37		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.46		30 - 150		114%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.38		30 - 150		95%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.46	*	55 - 111		115%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.36		53 - 106		89%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.44		58 - 132		110%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2950	7.271				
1146-65-2	Naphthalene-d8	7710	10.02				
15067-26-2	Acenaphthene-d10	4640	13.935				
1517-22-2	Phenanthrene-d10	8680	16.698				
1719-03-5	Chrysene-d12	8070	20.956				
1520-96-3	Perylene-d12	8920	23.041				

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_N\Data\BN121924\
Data File : BN035728.D
Acq On : 20 Dec 2024 05:34
Operator : RC/JU
Sample : PB165596BS
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 20 05:56:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
PB165596BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.271	152	2951	0.400	ng	0.00
7) Naphthalene-d8	10.020	136	7713	0.400	ng	# 0.00
13) Acenaphthene-d10	13.935	164	4640	0.400	ng	0.00
19) Phenanthrene-d10	16.698	188	8678	0.400	ng	# 0.00
29) Chrysene-d12	20.956	240	8066	0.400	ng	0.00
35) Perylene-d12	23.041	264	8916	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.939	112	2478	0.336	ng	0.00
5) Phenol-d6	6.491	99	2705	0.305	ng	0.00
8) Nitrobenzene-d5	8.408	82	2172m	0.461	ng	0.00
11) 2-Methylnaphthalene-d10	11.621	152	5532	0.458	ng	0.00
14) 2,4,6-Tribromophenol	15.453	330	599	0.182	ng	0.00
15) 2-Fluorobiphenyl	12.543	172	6241	0.356	ng	0.00
27) Fluoranthene-d10	18.761	212	9334	0.379	ng	0.00
31) Terphenyl-d14	19.393	244	6996	0.440	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.981	88	1038	0.368	ng	# 78
3) n-Nitrosodimethylamine	3.270	42	1014	0.432	ng	# 98
6) bis(2-Chloroethyl)ether	6.723	93	2623	0.351	ng	100
9) Naphthalene	10.063	128	7072	0.348	ng	99
10) Hexachlorobutadiene	10.361	225	1809	0.386	ng	# 100
12) 2-Methylnaphthalene	11.697	142	4509	0.310	ng	97
16) Acenaphthylene	13.646	152	7020	0.360	ng	100
17) Acenaphthene	13.999	154	4501	0.348	ng	99
18) Fluorene	15.004	166	5615	0.303	ng	100
20) 4,6-Dinitro-2-methylph...	15.143	198	66	0.077	ng	# 1
21) 4-Bromophenyl-phenylether	15.916	248	1712	0.337	ng	# 96
22) Hexachlorobenzene	16.015	284	2386	0.400	ng	97
23) Atrazine	16.202	200	1432	0.396	ng	92
24) Pentachlorophenol	16.375	266	1508	0.582	ng	# 84
25) Phenanthrene	16.748	178	8179	0.343	ng	99
26) Anthracene	16.835	178	7420	0.344	ng	100
28) Fluoranthene	18.794	202	9920	0.309	ng	100
30) Pyrene	19.161	202	10720	0.360	ng	99
32) Benzo(a)anthracene	20.938	228	9343	0.331	ng	99
33) Chrysene	20.991	228	11373	0.391	ng	99
34) Bis(2-ethylhexyl)phtha...	20.911	149	4399	0.395	ng	# 98
36) Indeno(1,2,3-cd)pyrene	25.067	276	13020	0.374	ng	95
37) Benzo(b)fluoranthene	22.430	252	14339	0.440	ng	94
38) Benzo(k)fluoranthene	22.471	252	11726	0.365	ng	95
39) Benzo(a)pyrene	22.953	252	10176	0.379	ng	# 91
40) Dibenzo(a,h)anthracene	25.087	278	9971	0.363	ng	95
41) Benzo(g,h,i)perylene	25.675	276	10457	0.364	ng	99

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

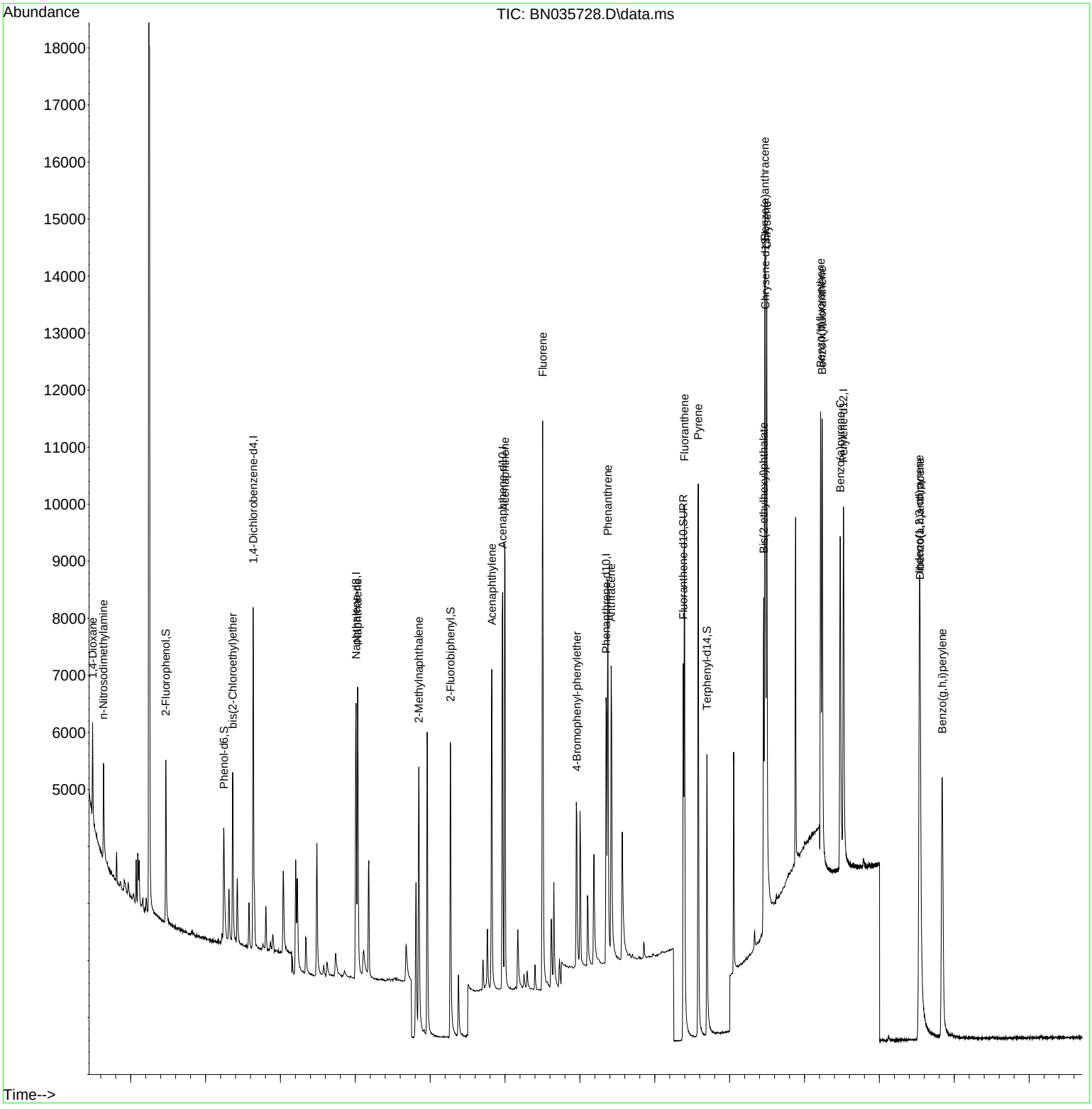
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035728.D
Acq On : 20 Dec 2024 05:34
Operator : RC/JU
Sample : PB165596BS
Misc :
ALS Vial : 19 Sample Multiplier: 1

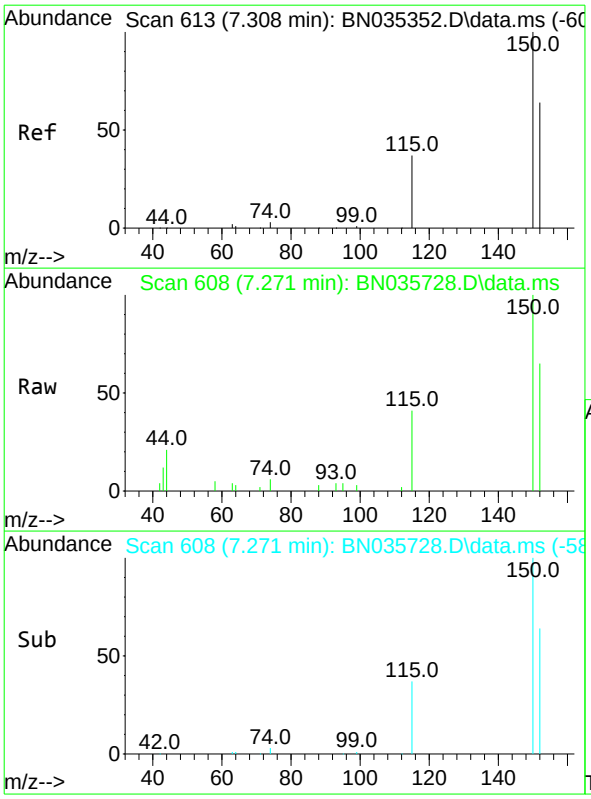
Quant Time: Dec 20 05:56:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
PB165596BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

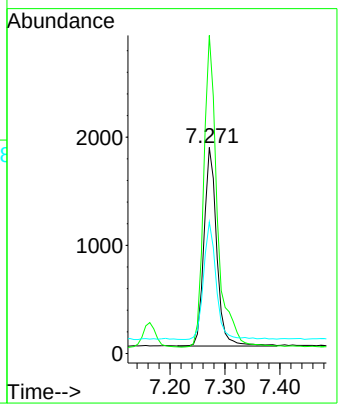




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.271 min Scan# 60
Delta R.T. -0.001 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Tgt Ion:152 Resp: 2951

Ion	Ratio	Lower	Upper
152	100		
150	154.4	124.0	186.0
115	63.8	49.6	74.4



Instrument :
BNA_N
ClientSampleId :
PB165596BS

Manual Integrations
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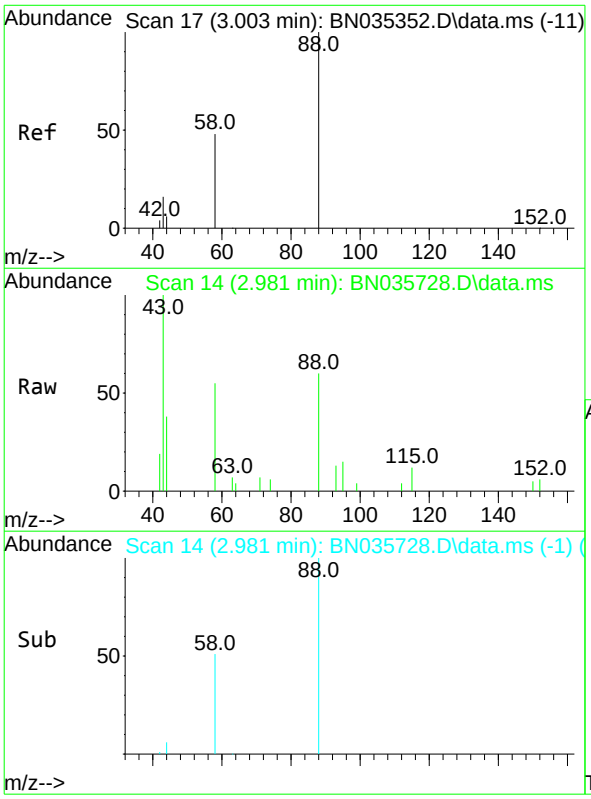
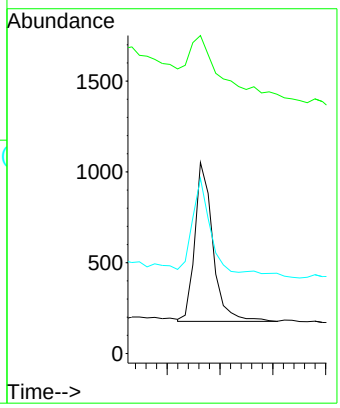
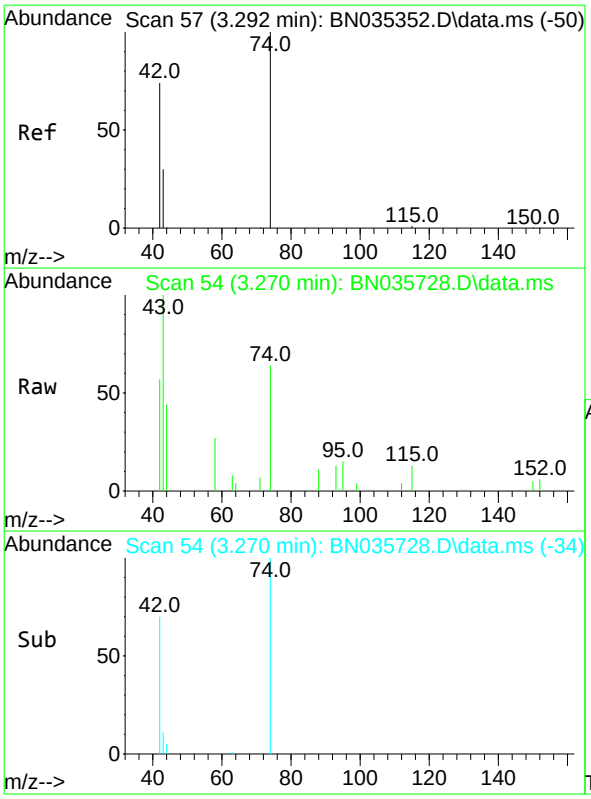


#2
1,4-Dioxane
Concen: 0.368 ng
RT: 2.981 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Tgt Ion: 88 Resp: 1038

Ion	Ratio	Lower	Upper
88	100		
43	57.8	17.2	25.8#
58	55.5	44.5	66.7

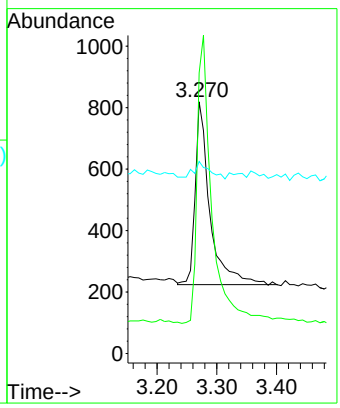




#3
n-Nitrosodimethylamine
Concen: 0.432 ng
RT: 3.270 min Scan# 54
Delta R.T. -0.007 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Tgt Ion: 42 Resp: 1014

Ion	Ratio	Lower	Upper
42	100		
74	158.5	124.9	187.3
44	9.7	2.2	3.4#



Instrument :
BNA_N
ClientSampleId :
PB165596BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 12/21/2024
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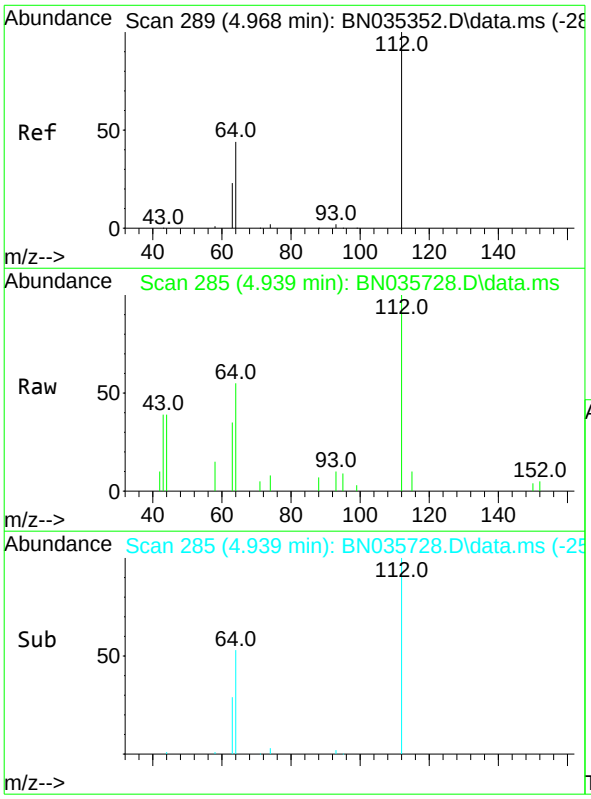
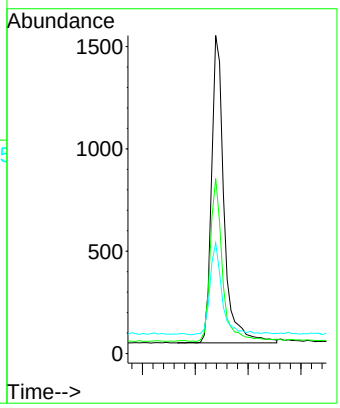
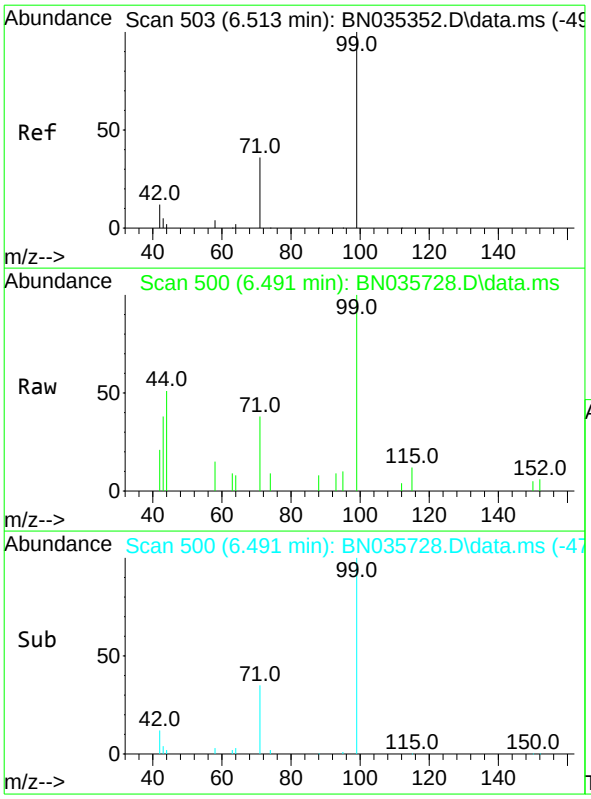


#4
2-Fluorophenol
Concen: 0.336 ng
RT: 4.939 min Scan# 285
Delta R.T. -0.000 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Tgt Ion:112 Resp: 2478

Ion	Ratio	Lower	Upper
112	100		
64	51.8	39.8	59.8
63	28.7	21.0	31.6

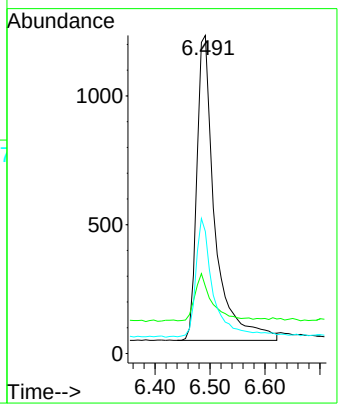




#5
Phenol-d6
Concen: 0.305 ng
RT: 6.491 min Scan# 50
Delta R.T. -0.000 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Tgt Ion: 99 Resp: 2705

Ion	Ratio	Lower	Upper
99	100		
42	14.7	11.4	17.2
71	38.6	29.3	43.9



Instrument :
BNA_N
ClientSampleId :
PB165596BS

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APPROVED

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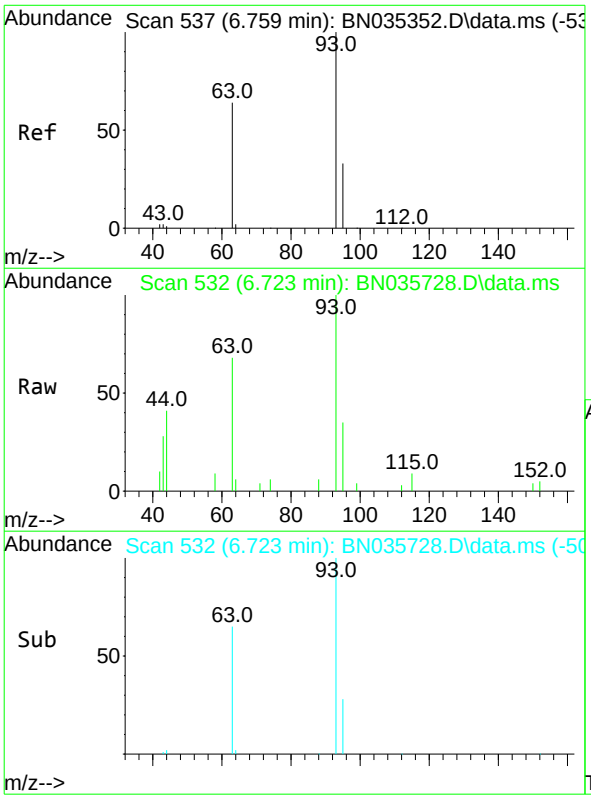
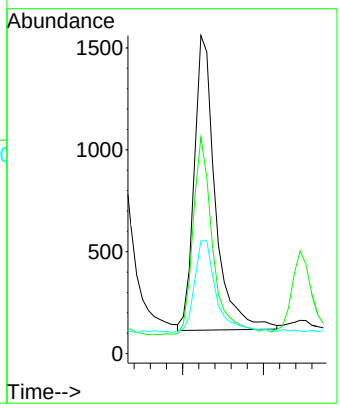
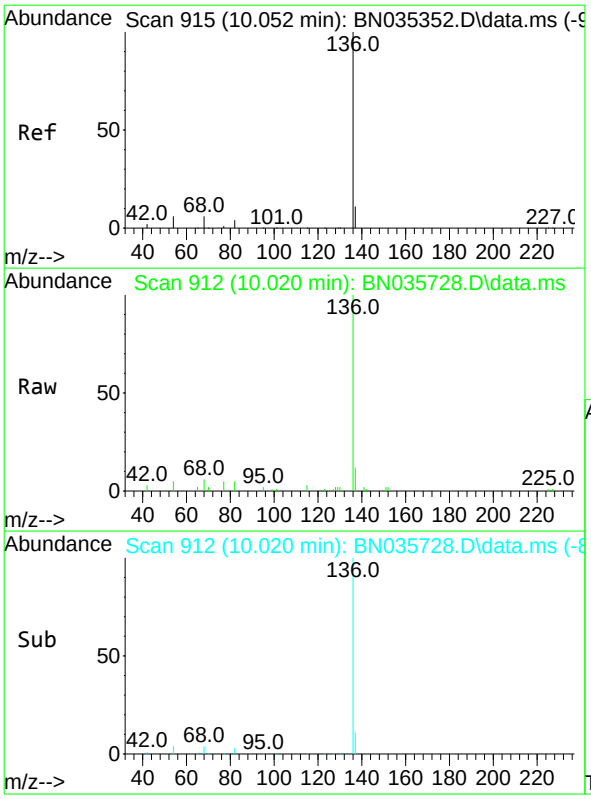


#6
bis(2-Chloroethyl)ether
Concen: 0.351 ng
RT: 6.723 min Scan# 532
Delta R.T. -0.007 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Tgt Ion: 93 Resp: 2623

Ion	Ratio	Lower	Upper
93	100		
63	63.2	50.4	75.6
95	32.3	25.7	38.5

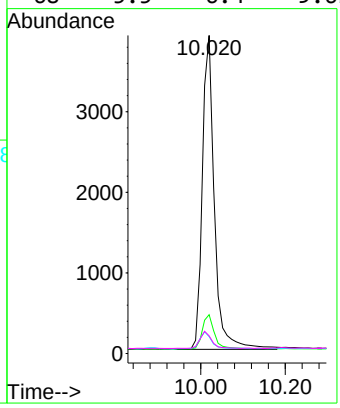




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.020 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Tgt Ion:136 Resp: 7713

Ion	Ratio	Lower	Upper
136	100		
137	12.2	10.2	15.2
54	5.3	6.1	9.1#
68	5.5	6.4	9.6#



Instrument :
BNA_N
ClientSampleId :
PB165596BS

Manual Integrations
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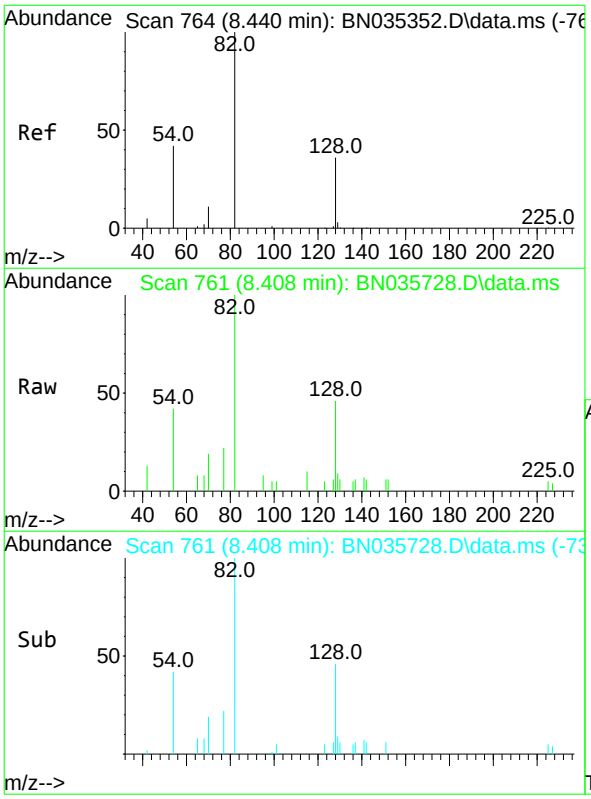
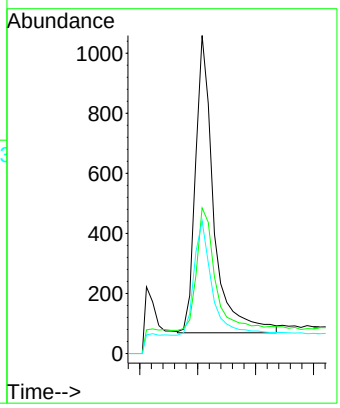
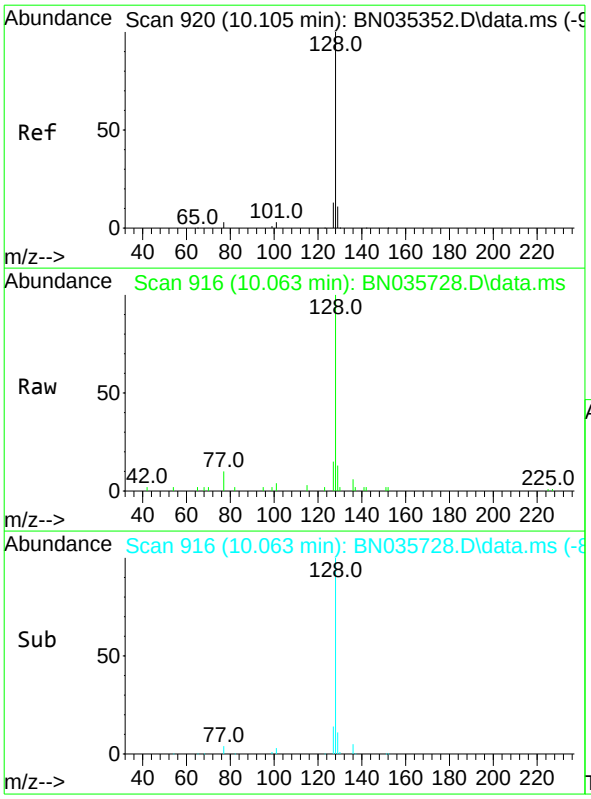


#8
Nitrobenzene-d5
Concen: 0.461 ng m
RT: 8.408 min Scan# 761
Delta R.T. -0.000 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Tgt Ion: 82 Resp: 2172

Ion	Ratio	Lower	Upper
82	100		
128	45.8	33.4	50.0
54	41.7	36.7	55.1

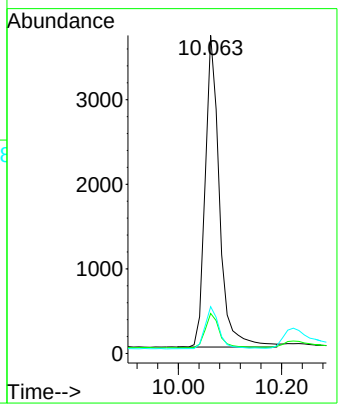




#9
Naphthalene
Concen: 0.348 ng
RT: 10.063 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Tgt Ion:128 Resp: 7072

Ion	Ratio	Lower	Upper
128	100		
129	12.6	9.8	14.6
127	14.7	11.4	17.2



Instrument :
BNA_N
ClientSampleId :
PB165596BS

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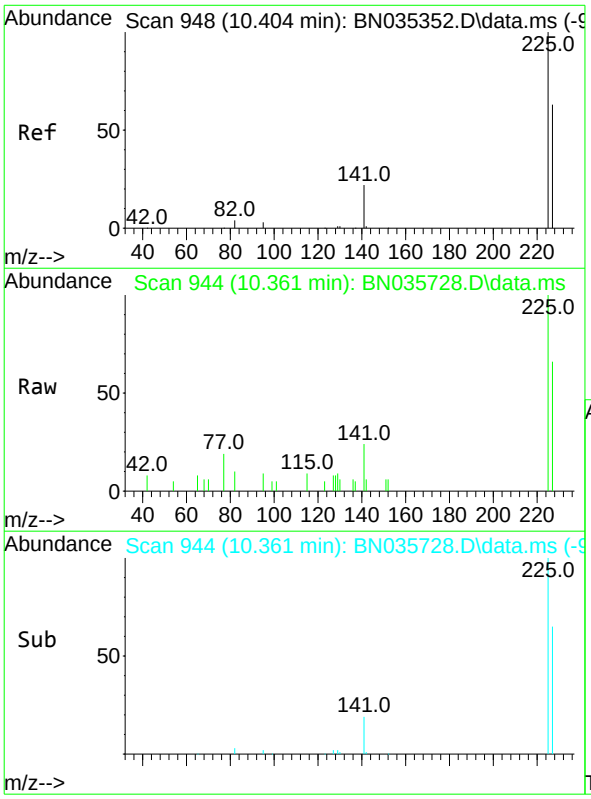
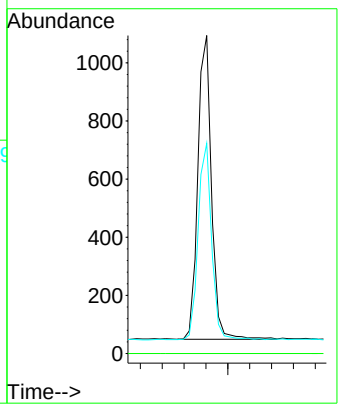
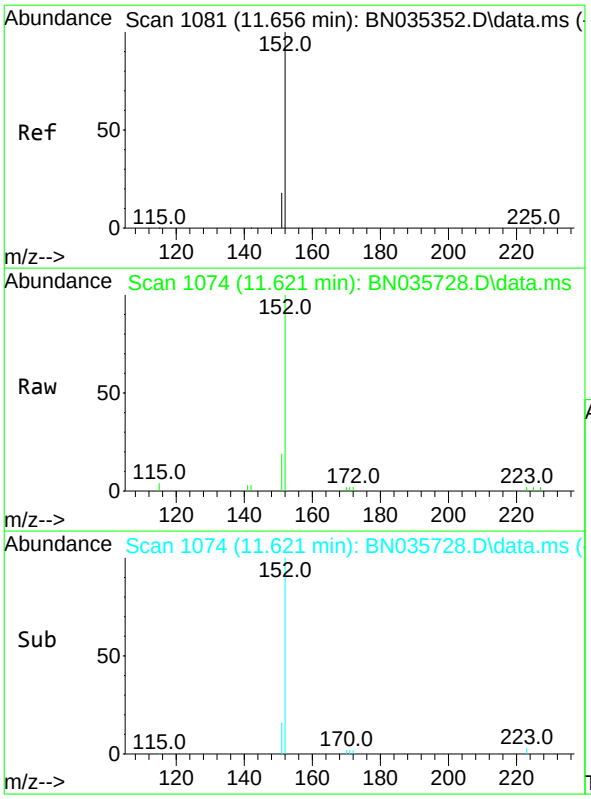


#10
Hexachlorobutadiene
Concen: 0.386 ng
RT: 10.361 min Scan# 944
Delta R.T. -0.000 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Tgt Ion:225 Resp: 1809

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.7	51.3	76.9





#11
2-Methylnaphthalene-d10
Concen: 0.458 ng
RT: 11.621 min Scan# 10
Delta R.T. -0.000 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Tgt Ion:152 Resp: 5532

Ion	Ratio	Lower	Upper
152	100		
151	16.5	16.6	25.0#

Instrument :
BNA_N
ClientSampleId :
PB165596BS

Manual Integrations
APPROVED

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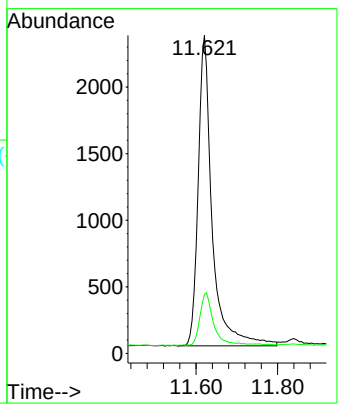
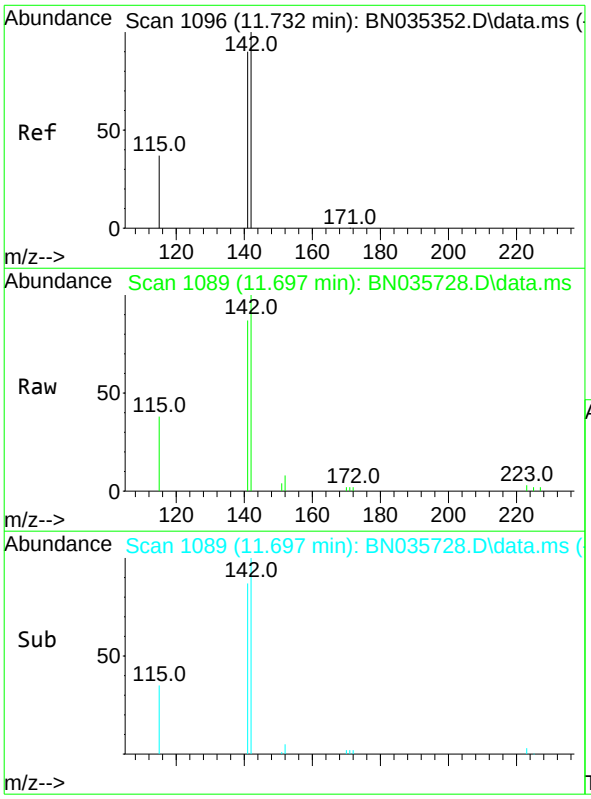
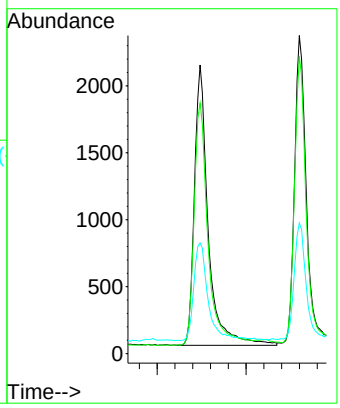


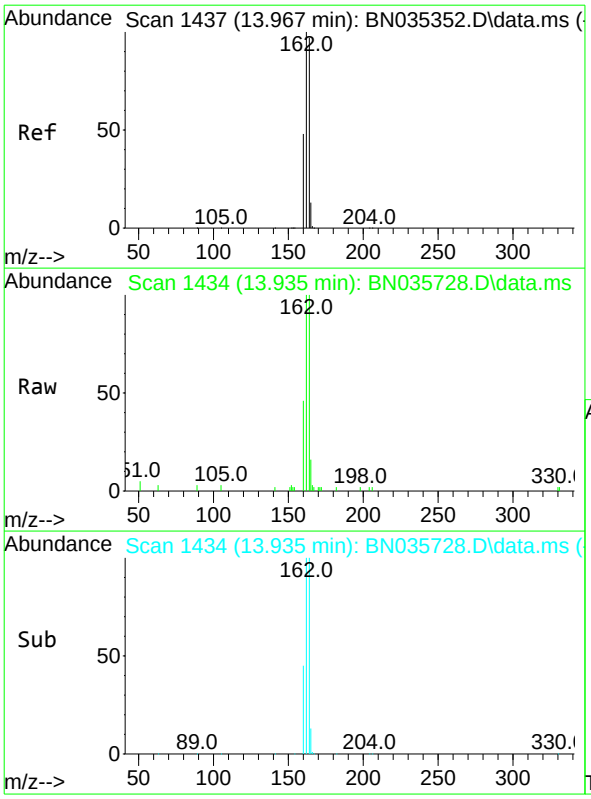


#12
2-Methylnaphthalene
Concen: 0.310 ng
RT: 11.697 min Scan# 1089
Delta R.T. -0.000 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Tgt Ion:142 Resp: 4509

Ion	Ratio	Lower	Upper
142	100		
141	86.8	72.2	108.4
115	38.4	31.4	47.0

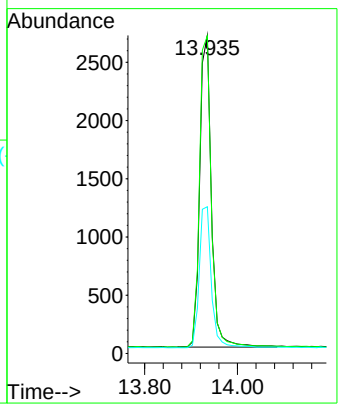




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.935 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Tgt Ion:164 Resp: 4640

Ion	Ratio	Lower	Upper
164	100		
162	99.9	82.2	123.2
160	46.1	40.1	60.1



Instrument :
BNA_N
ClientSampleId :
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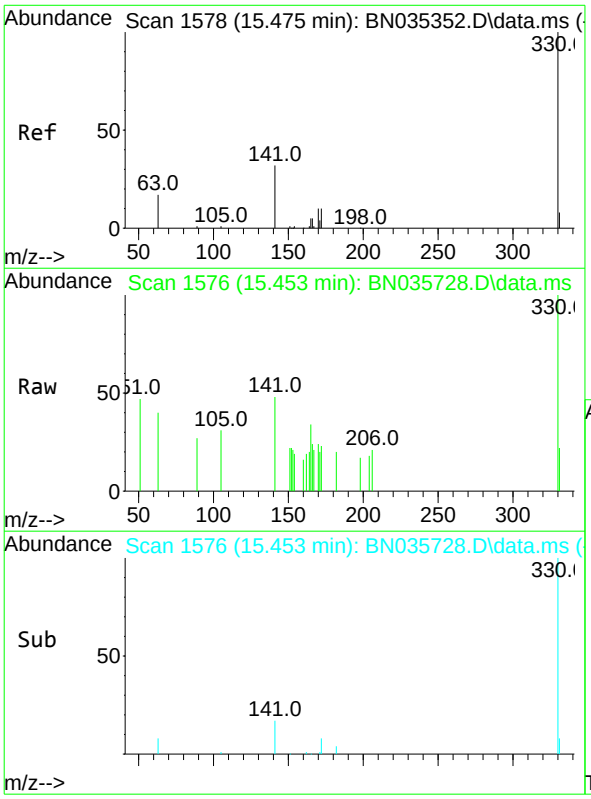
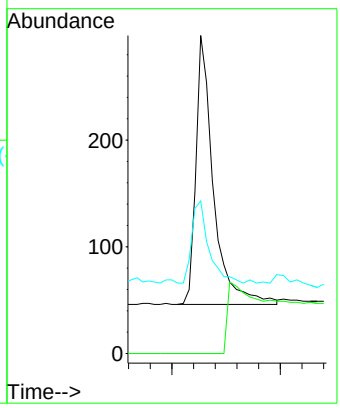
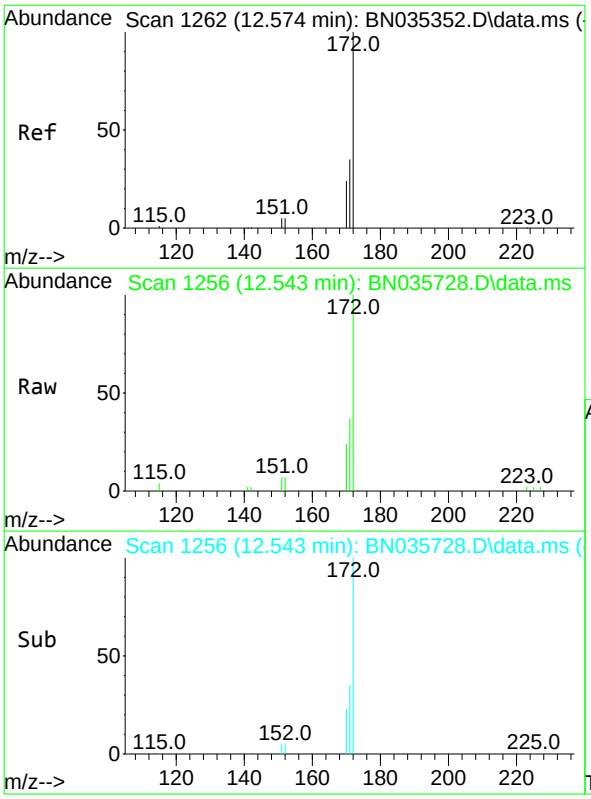


#14
2,4,6-Tribromophenol
Concen: 0.182 ng
RT: 15.453 min Scan# 1576
Delta R.T. -0.000 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Tgt Ion:330 Resp: 599

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	28.4	26.6	40.0

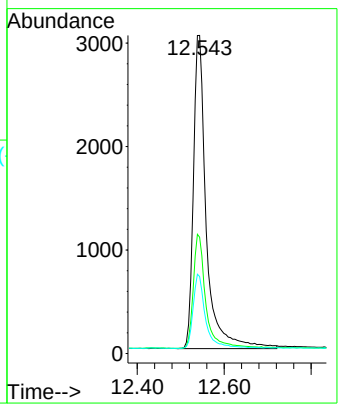




#15
2-Fluorobiphenyl
Concen: 0.356 ng
RT: 12.543 min Scan# 12
Delta R.T. -0.000 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Tgt Ion:172 Resp: 6241

Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.0	43.4
170	24.2	19.8	29.8



Instrument :
BNA_N
ClientSampleId :
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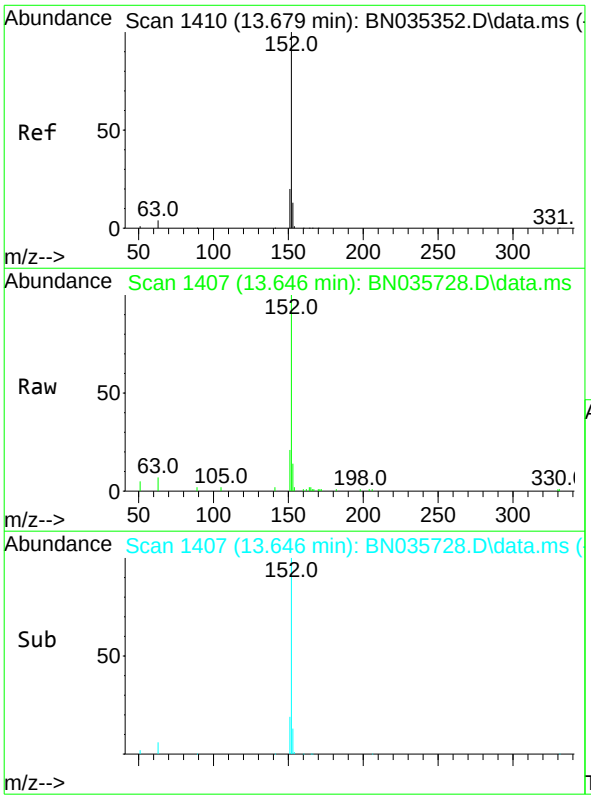
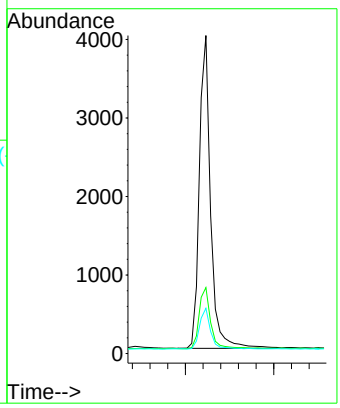
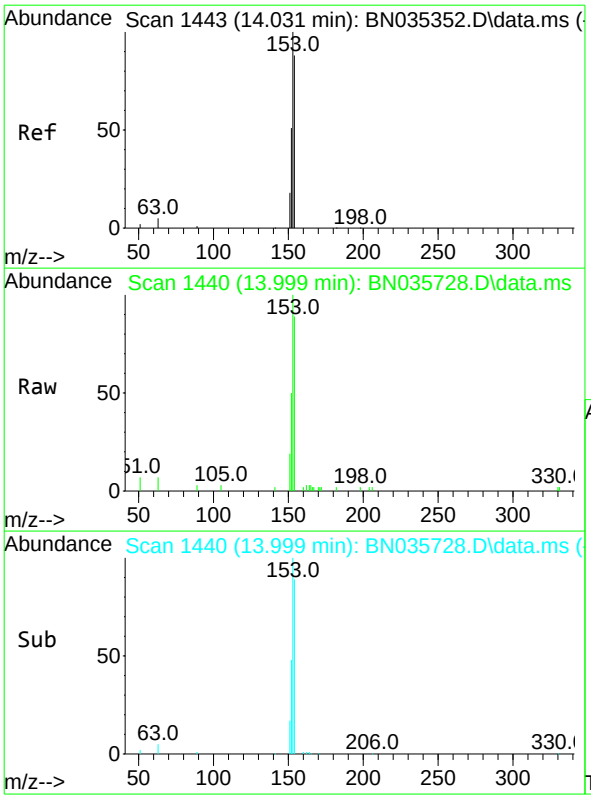


#16
Acenaphthylene
Concen: 0.360 ng
RT: 13.646 min Scan# 1407
Delta R.T. -0.000 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Tgt Ion:152 Resp: 7020

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.2
153	13.0	10.4	15.6

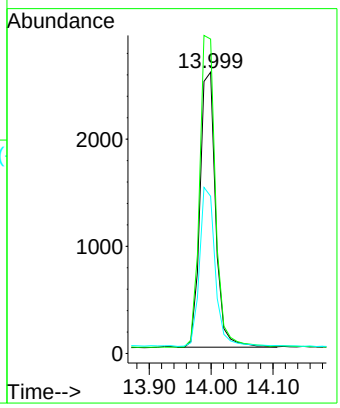




#17
Acenaphthene
Concen: 0.348 ng
RT: 13.999 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Tgt Ion:154 Resp: 4501

Ion	Ratio	Lower	Upper
154	100		
153	115.4	92.6	139.0
152	58.6	49.0	73.6



Instrument :
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ClientSampleId :
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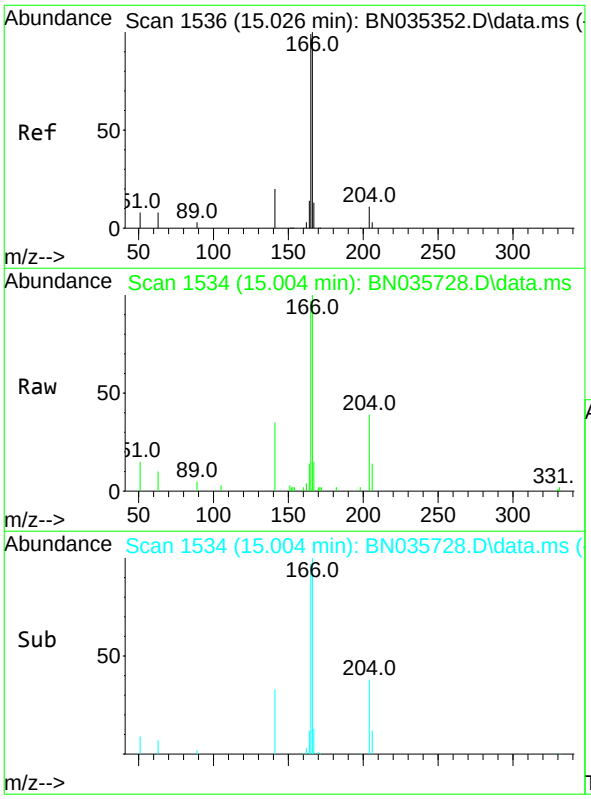
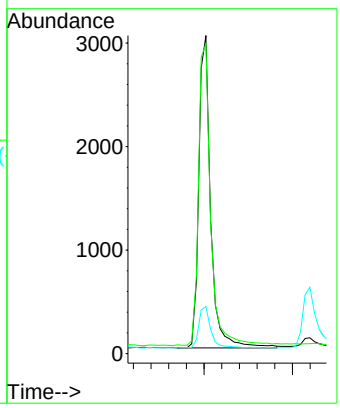
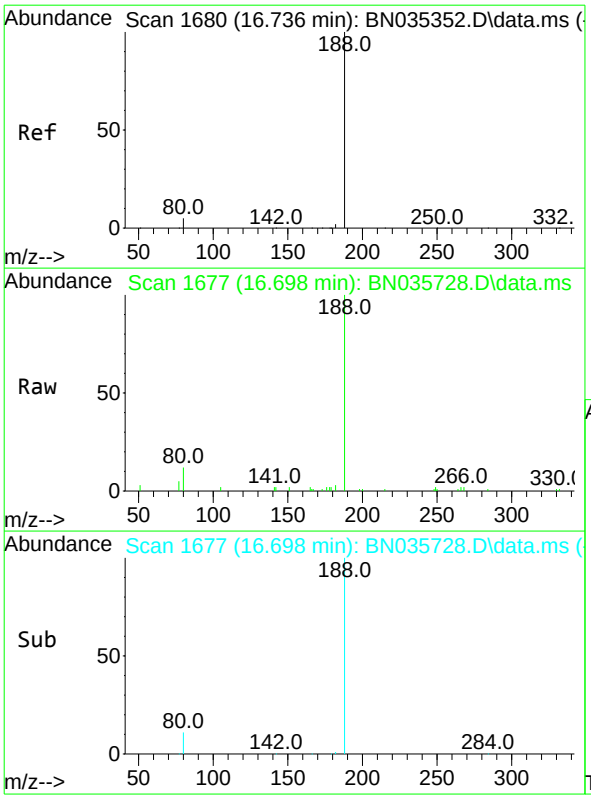


#18
Fluorene
Concen: 0.303 ng
RT: 15.004 min Scan# 1534
Delta R.T. -0.000 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Tgt Ion:166 Resp: 5615

Ion	Ratio	Lower	Upper
166	100		
165	99.7	79.7	119.5
167	13.2	10.8	16.2





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.698 min Scan# 16
Delta R.T. -0.000 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Tgt Ion:188 Resp: 8678

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.9	4.6	6.8#

Instrument :
BNA_N
ClientSampleId :
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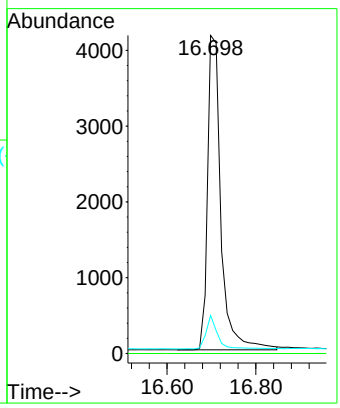
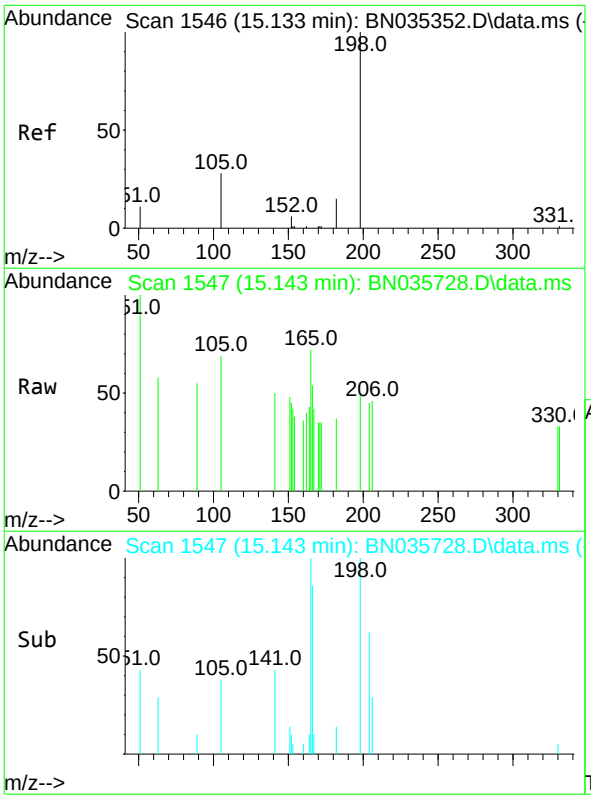
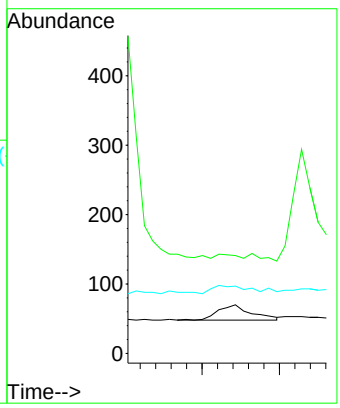


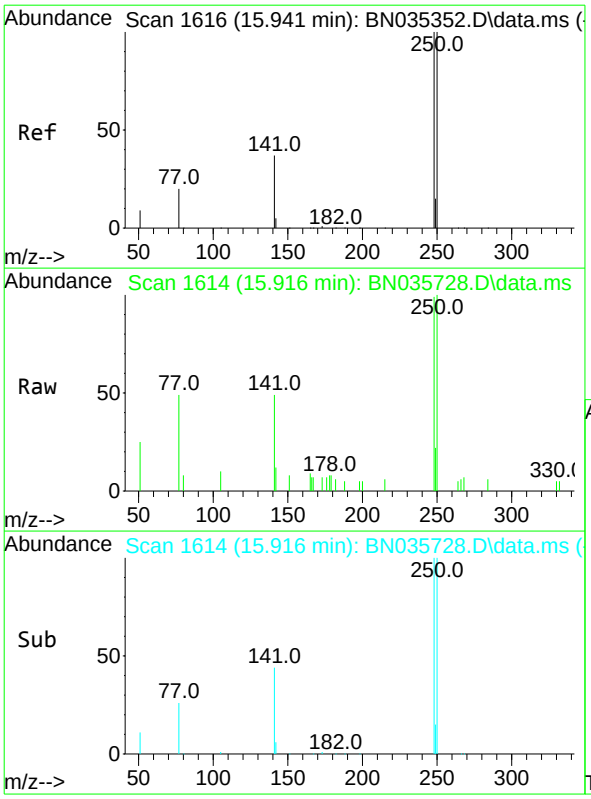


#20
4,6-Dinitro-2-methylphenol
Concen: 0.077 ng
RT: 15.143 min Scan# 1547
Delta R.T. 0.021 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Tgt Ion:198 Resp: 66

Ion	Ratio	Lower	Upper
198	100		
51	201.4	46.5	69.7#
105	138.6	45.3	67.9#

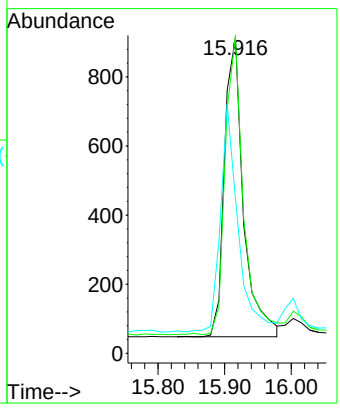




#21
4-Bromophenyl-phenylether
Concen: 0.337 ng
RT: 15.916 min Scan# 16
Delta R.T. -0.000 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Tgt Ion:248 Resp: 1712

Ion	Ratio	Lower	Upper
248	100		
250	100.8	80.6	120.8
141	49.1	31.5	47.3#



Instrument :
BNA_N
ClientSampleId :
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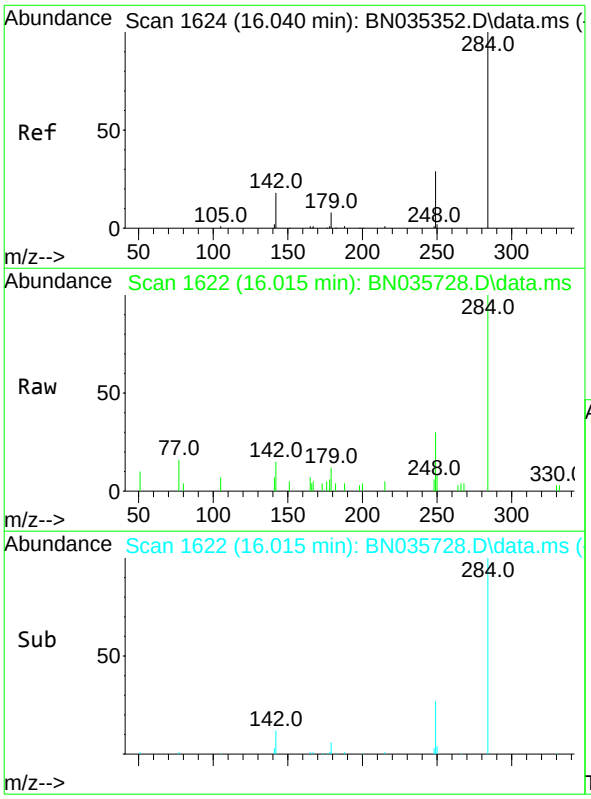
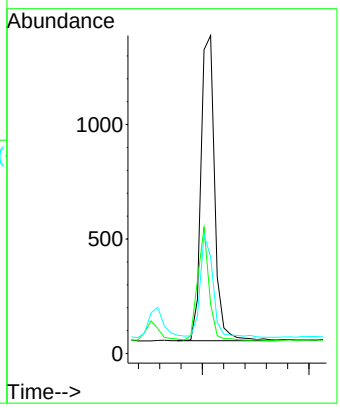
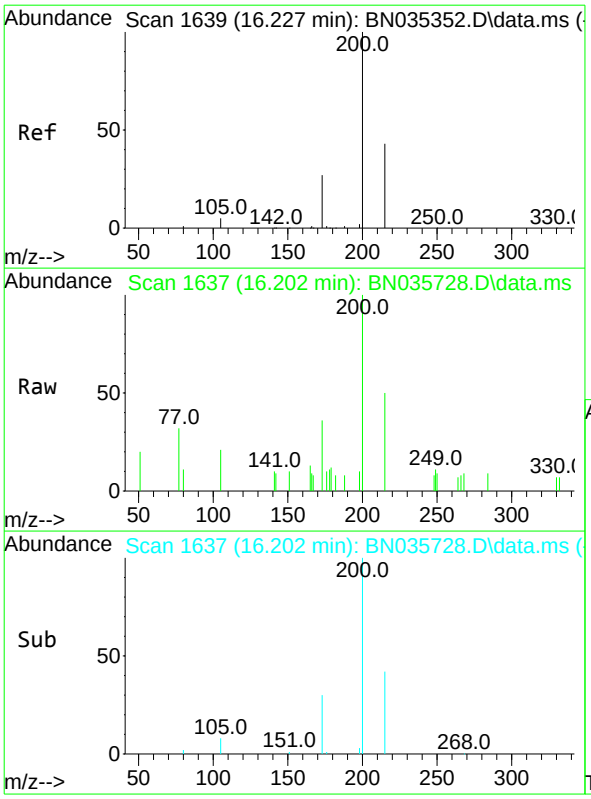


#22
Hexachlorobenzene
Concen: 0.400 ng
RT: 16.015 min Scan# 1622
Delta R.T. -0.000 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Tgt Ion:284 Resp: 2386

Ion	Ratio	Lower	Upper
284	100		
142	31.0	26.7	40.1
249	31.9	24.6	36.8





#23
Atrazine
Concen: 0.396 ng
RT: 16.202 min Scan# 16
Delta R.T. -0.000 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Tgt Ion:200 Resp: 1432

Ion	Ratio	Lower	Upper
200	100		
173	35.6	24.1	36.1
215	50.1	36.9	55.3

Instrument :
BNA_N
ClientSampleId :
PB165596BS

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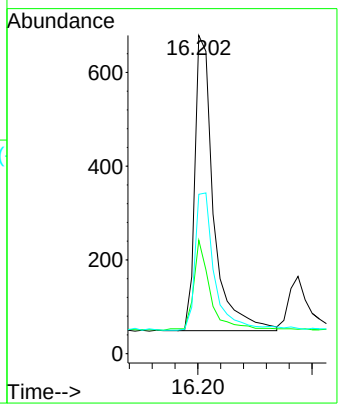
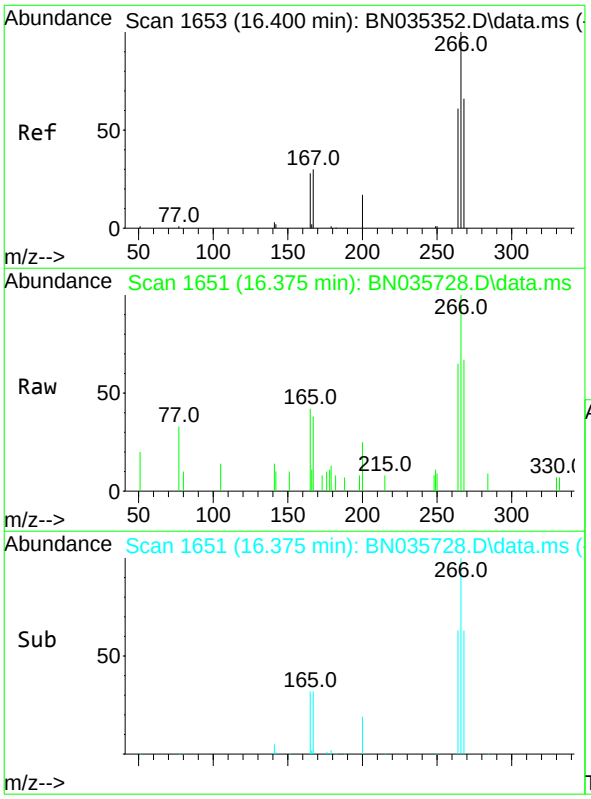
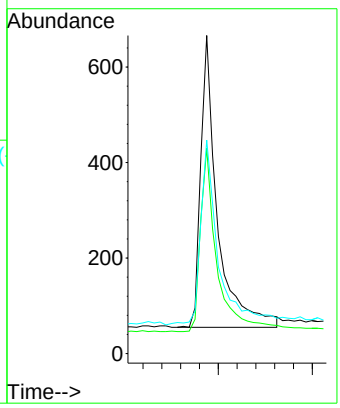


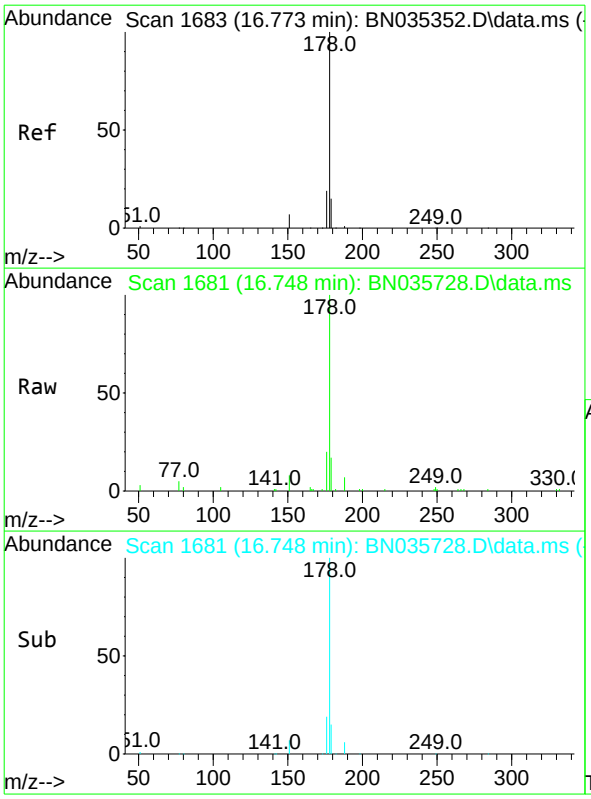


#24
Pentachlorophenol
Concen: 0.582 ng
RT: 16.375 min Scan# 1651
Delta R.T. -0.000 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Tgt Ion:266 Resp: 1508

Ion	Ratio	Lower	Upper
266	100		
264	62.3	42.3	63.5
268	67.5	43.3	64.9#

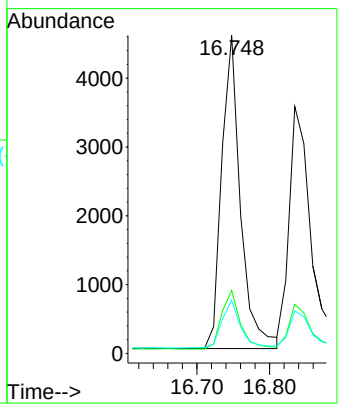




#25
Phenanthrene
Concen: 0.343 ng
RT: 16.748 min Scan# 16
Delta R.T. -0.000 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Tgt Ion:178 Resp: 8179

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.2
179	15.1	12.3	18.5



Instrument :
BNA_N
ClientSampleId :
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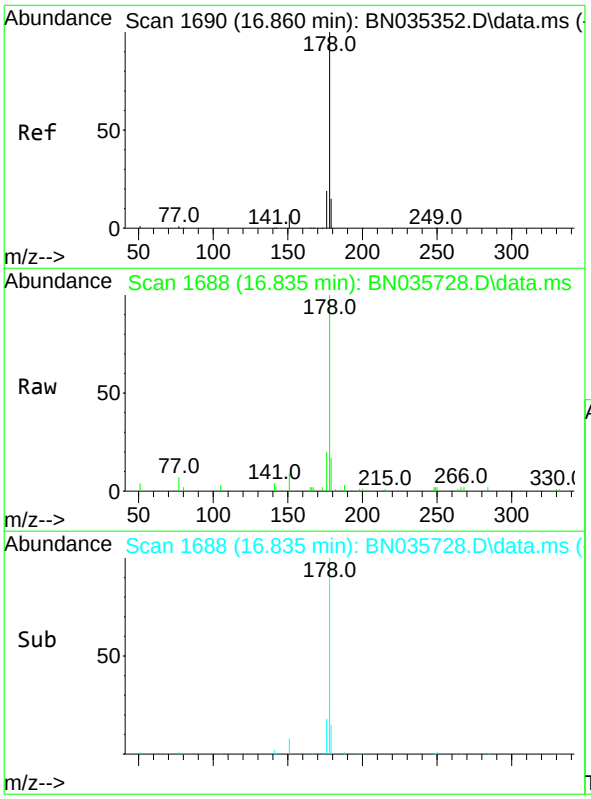
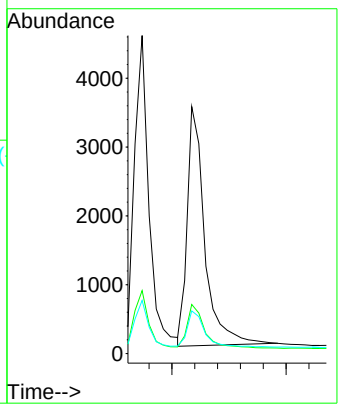
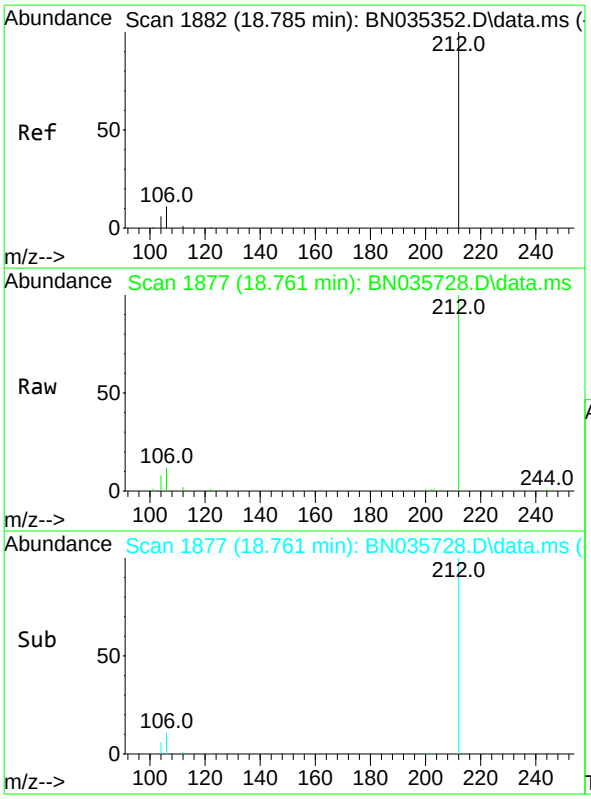


#26
Anthracene
Concen: 0.344 ng
RT: 16.835 min Scan# 1688
Delta R.T. -0.000 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Tgt Ion:178 Resp: 7420

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.0	22.6
179	15.7	12.6	18.8

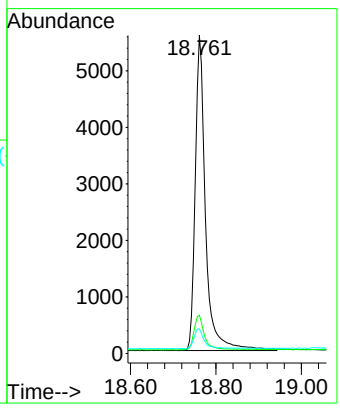




#27
Fluoranthene-d10
Concen: 0.379 ng
RT: 18.761 min Scan# 18
Delta R.T. -0.000 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Tgt Ion:212 Resp: 9334

Ion	Ratio	Lower	Upper
212	100		
106	10.9	9.2	13.8
104	6.3	5.3	7.9



Instrument :
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ClientSampleId :
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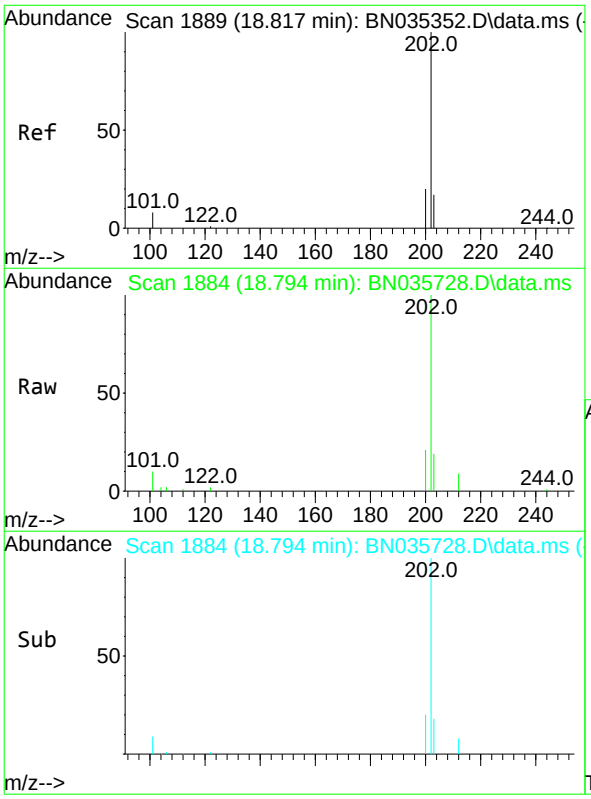
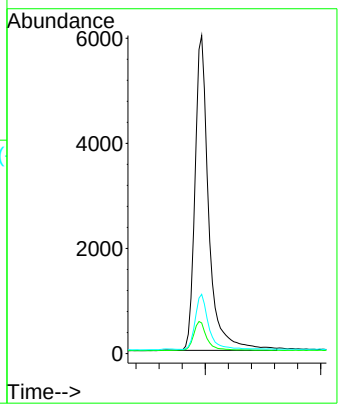
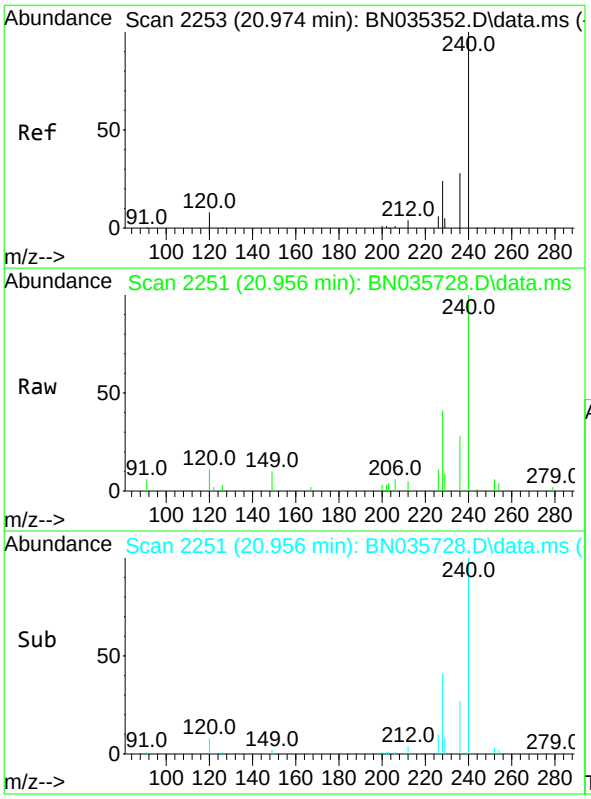


#28
Fluoranthene
Concen: 0.309 ng
RT: 18.794 min Scan# 1884
Delta R.T. 0.004 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Tgt Ion:202 Resp: 9920

Ion	Ratio	Lower	Upper
202	100		
101	9.2	7.4	11.0
203	17.0	13.7	20.5

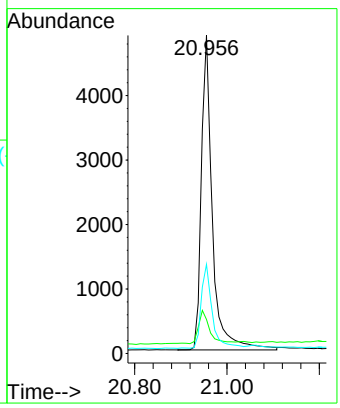




#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.956 min Scan# 22
Delta R.T. -0.000 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Tgt Ion:240 Resp: 8066

Ion	Ratio	Lower	Upper
240	100		
120	10.7	7.9	11.9
236	28.0	22.9	34.3



Instrument :
BNA_N
ClientSampleId :
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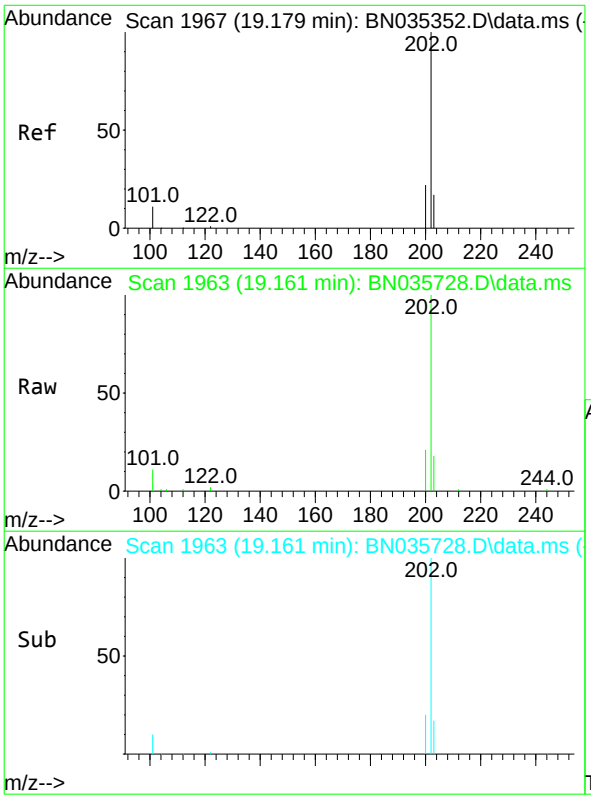
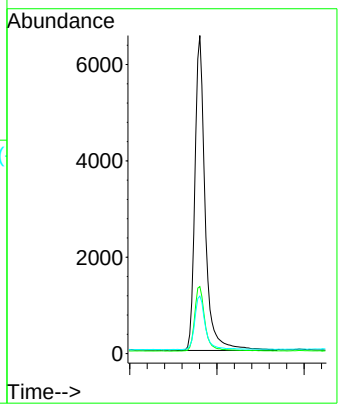
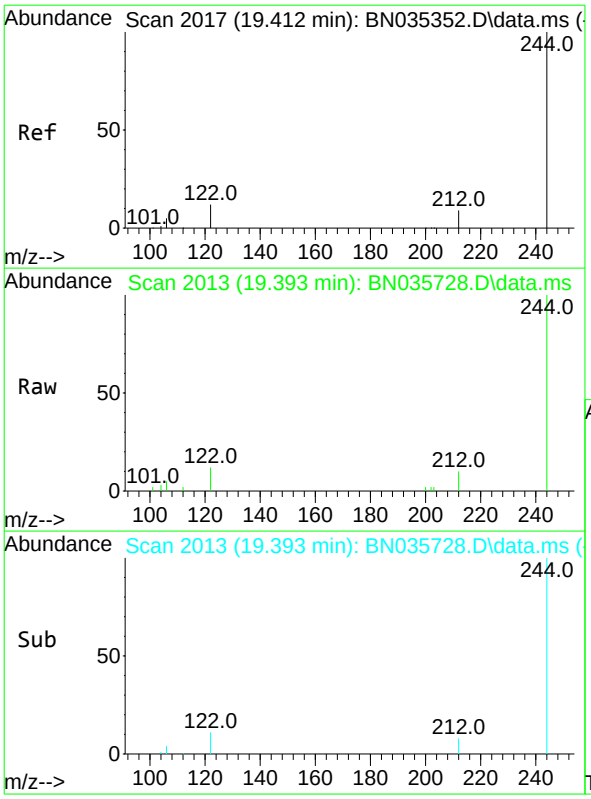


#30
Pyrene
Concen: 0.360 ng
RT: 19.161 min Scan# 1963
Delta R.T. -0.000 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Tgt Ion:202 Resp: 10720

Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.0	25.4
203	17.2	14.3	21.5

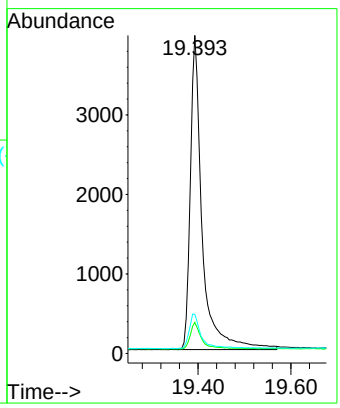




#31
Terphenyl-d14
Concen: 0.440 ng
RT: 19.393 min Scan# 20
Delta R.T. 0.004 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Tgt Ion:244 Resp: 6996

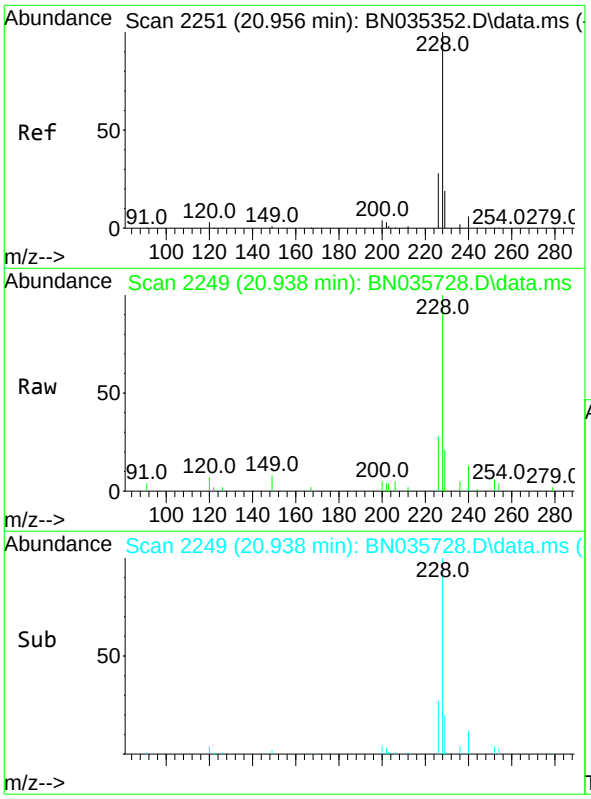
Ion	Ratio	Lower	Upper
244	100		
212	9.8	8.1	12.1
122	12.3	10.3	15.5



Instrument :
BNA_N
ClientSampleId :
PB165596BS

Manual Integrations
APPROVED

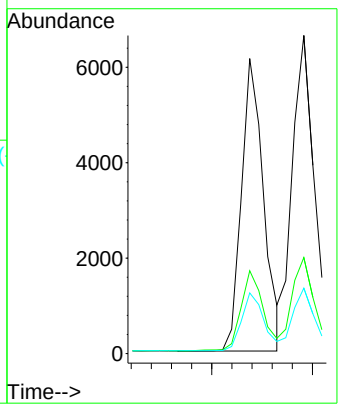
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

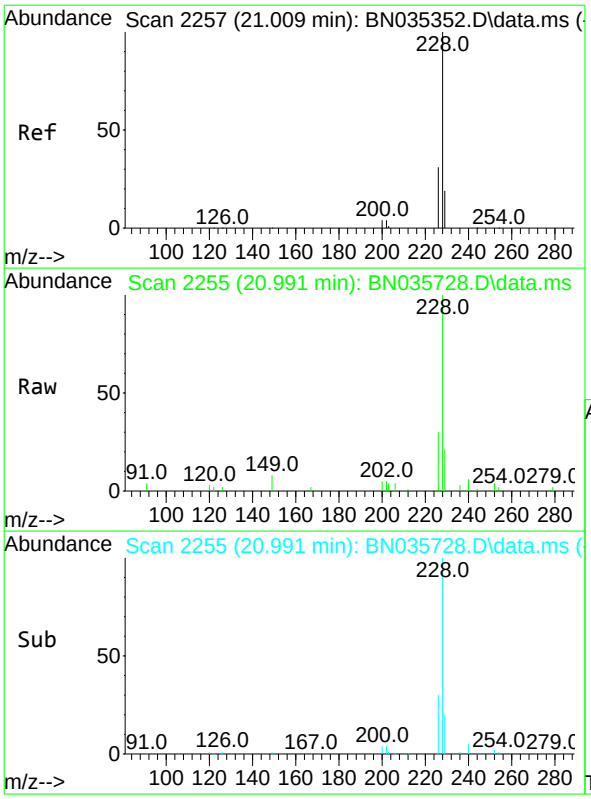


#32
Benzo(a)anthracene
Concen: 0.331 ng
RT: 20.938 min Scan# 2249
Delta R.T. -0.000 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Tgt Ion:228 Resp: 9343

Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.5	33.7
229	20.6	15.8	23.8

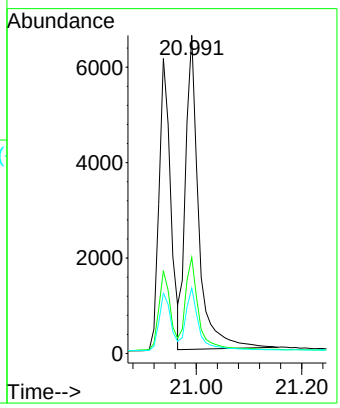




#33
Chrysene
Concen: 0.391 ng
RT: 20.991 min Scan# 22
Delta R.T. -0.000 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Tgt Ion:228 Resp: 11373

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.6	37.0
229	20.6	15.9	23.9



Instrument :
BNA_N
ClientSampleId :
PB165596BS

Manual Integrations
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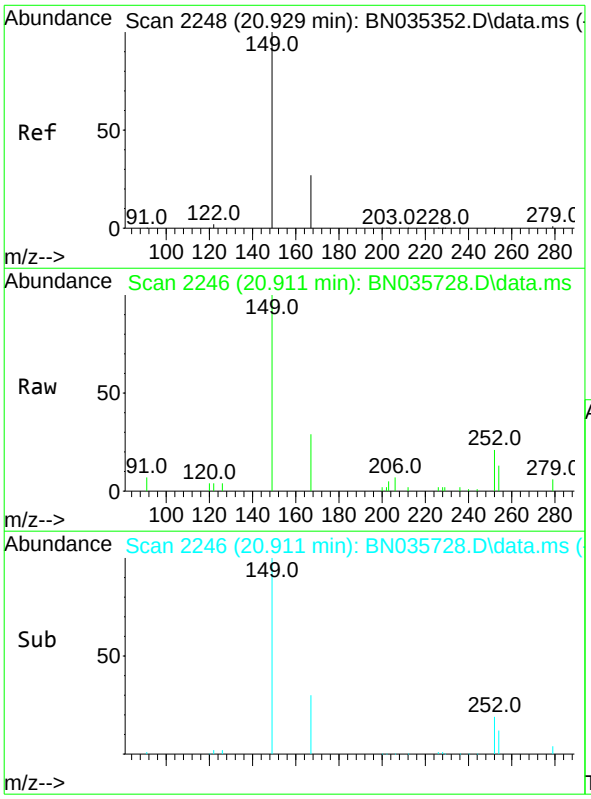
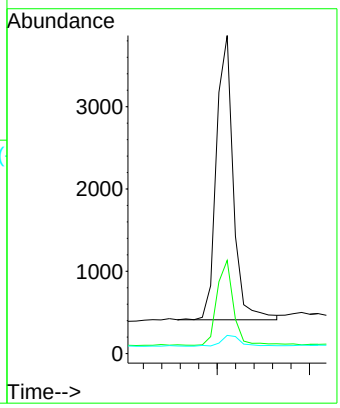
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

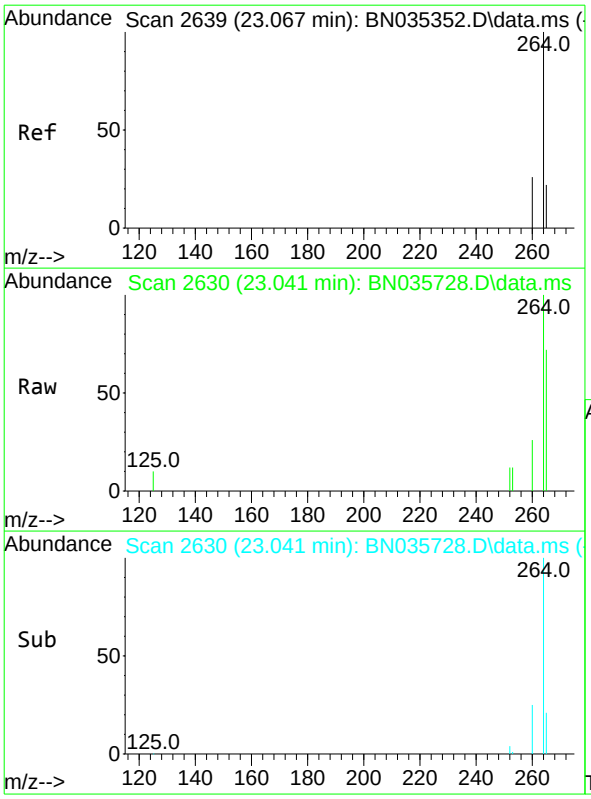


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.395 ng
RT: 20.911 min Scan# 2246
Delta R.T. -0.000 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Tgt Ion:149 Resp: 4399

Ion	Ratio	Lower	Upper
149	100		
167	29.1	22.2	33.4
279	4.4	2.7	4.1#

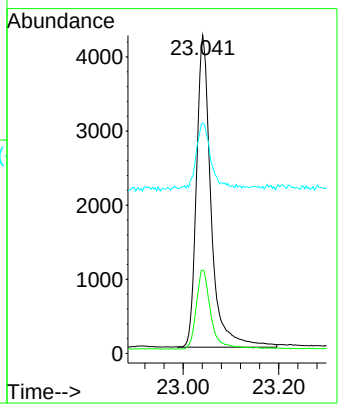




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.041 min Scan# 26
Delta R.T. -0.000 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Tgt Ion:264 Resp: 8916

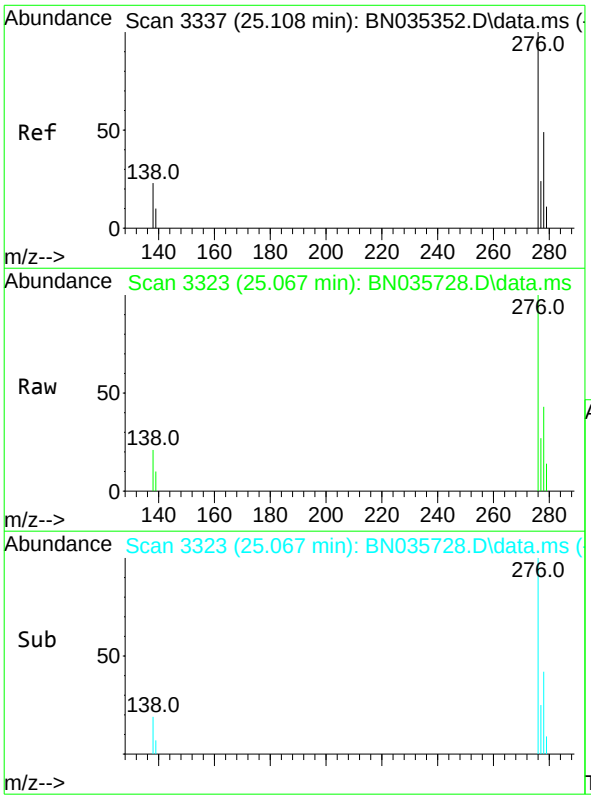
Ion	Ratio	Lower	Upper
264	100		
260	26.2	21.4	32.2
265	72.4	40.2	60.4#



Instrument :
BNA_N
ClientSampleId :
PB165596BS

Manual Integrations
APPROVED

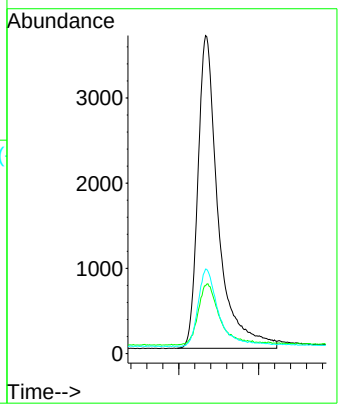
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

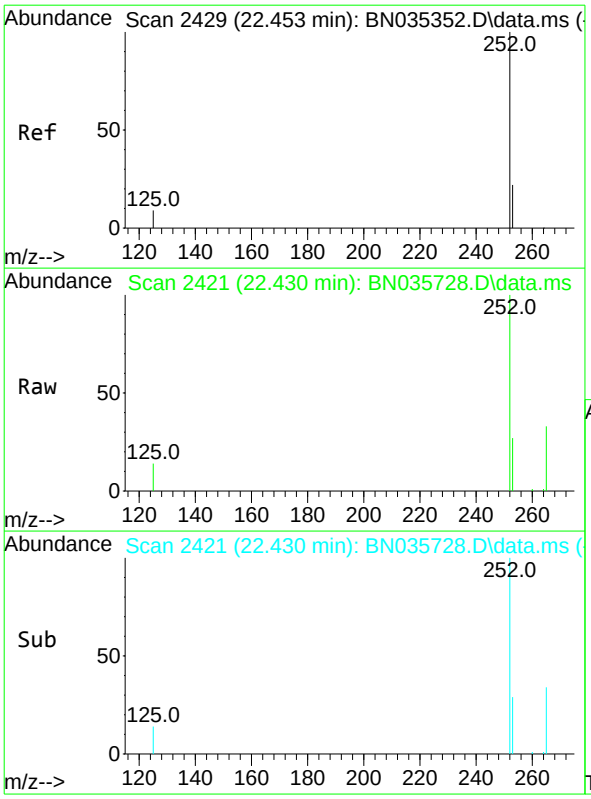


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.374 ng
RT: 25.067 min Scan# 3323
Delta R.T. -0.000 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Tgt Ion:276 Resp: 13020

Ion	Ratio	Lower	Upper
276	100		
138	20.0	19.4	29.0
277	24.2	19.8	29.6





#37
Benzo(b)fluoranthene
Concen: 0.440 ng
RT: 22.430 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Tgt Ion:252 Resp: 14339

Ion	Ratio	Lower	Upper
252	100		
253	27.4	19.6	29.4
125	13.8	9.6	14.4

Instrument :
BNA_N
ClientSampleId :
PB165596BS

Manual Integrations
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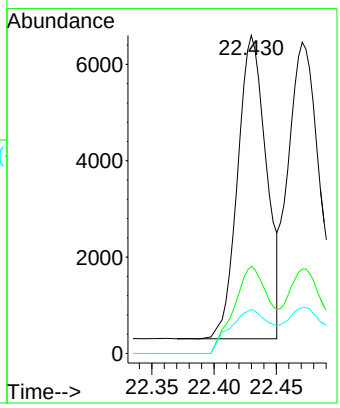
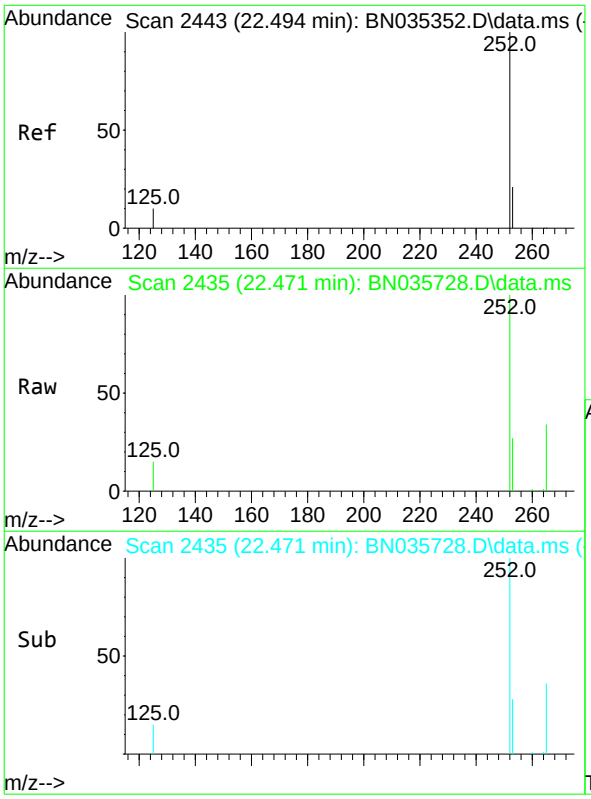
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

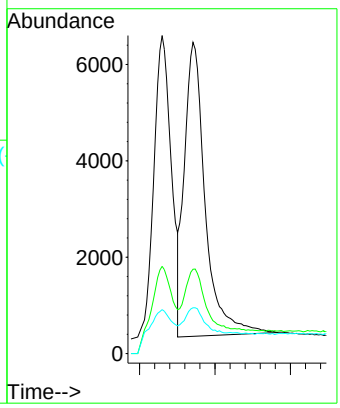


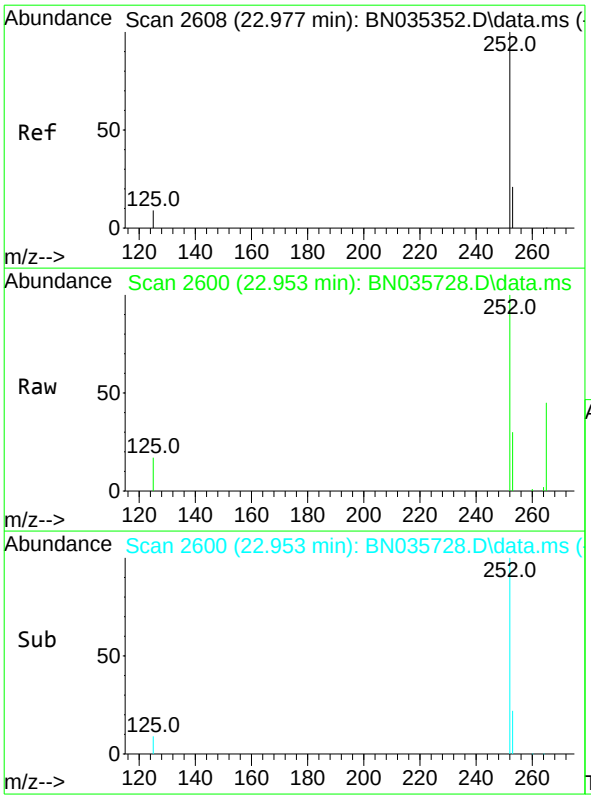


#38
Benzo(k)fluoranthene
Concen: 0.365 ng
RT: 22.471 min Scan# 2435
Delta R.T. -0.000 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Tgt Ion:252 Resp: 11726

Ion	Ratio	Lower	Upper
252	100		
253	27.1	19.5	29.3
125	14.7	10.2	15.4





#39
Benzo(a)pyrene
Concen: 0.379 ng
RT: 22.953 min Scan# 26
Delta R.T. 0.003 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Tgt Ion:252 Resp: 10176

Ion	Ratio	Lower	Upper
252	100		
253	29.8	20.2	30.4
125	16.9	10.9	16.3#

Instrument :
BNA_N
ClientSampleId :
PB165596BS

Manual Integrations
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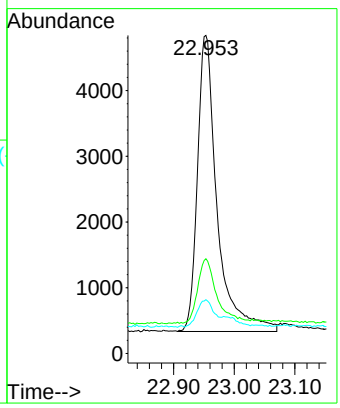
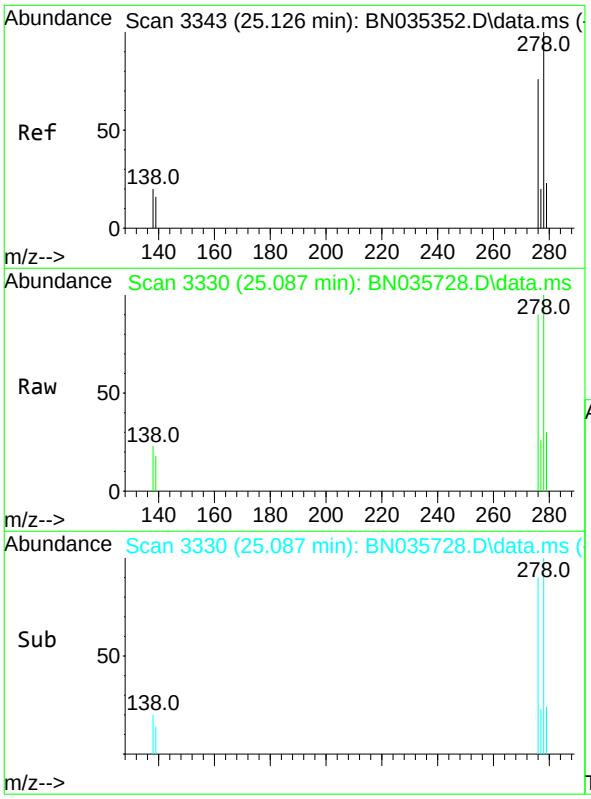
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

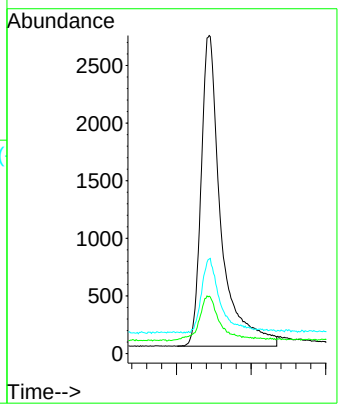


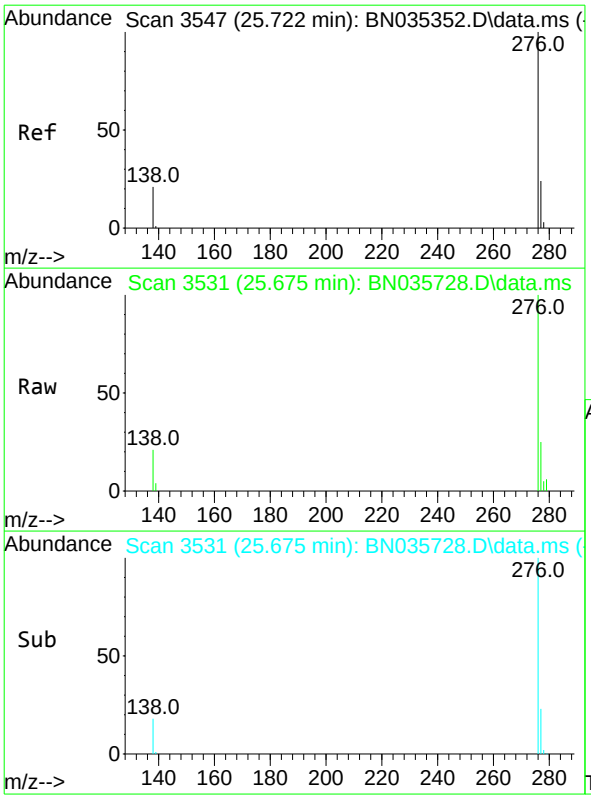


#40
Dibenzo(a,h)anthracene
Concen: 0.363 ng
RT: 25.087 min Scan# 3330
Delta R.T. 0.006 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Tgt Ion:278 Resp: 9971

Ion	Ratio	Lower	Upper
278	100		
139	18.0	14.2	21.4
279	29.7	20.5	30.7

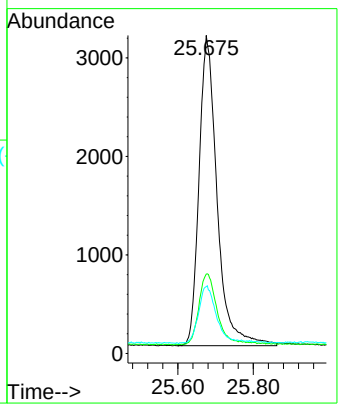




#41
Benzo(g,h,i)perylene
Concen: 0.364 ng
RT: 25.675 min Scan# 35
Delta R.T. -0.003 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Tgt Ion:276 Resp: 10457

Ion	Ratio	Lower	Upper
276	100		
277	25.0	19.9	29.9
138	21.0	17.8	26.8



Instrument :
BNA_N
ClientSampleId :
PB165596BS

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/10/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/11/24
Client Sample ID:	RE125D1-20241210MS	SDG No.:	P5261
Lab Sample ID:	P5261-13MS	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035737.D	1	12/12/24 10:30	12/20/24 12:17	PB165596

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	5.30	E	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.39		30 - 150		98%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.41		30 - 150		102%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.43		55 - 111		107%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.34		53 - 106		85%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.59	*	58 - 132		146%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3070	7.272				
1146-65-2	Naphthalene-d8	8500	10.009				
15067-26-2	Acenaphthene-d10	5470	13.924				
1517-22-2	Phenanthrene-d10	11200	16.698				
1719-03-5	Chrysene-d12	10100	20.947				
1520-96-3	Perylene-d12	9930	23.035				

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_N\Data\BN121924\
Data File : BN035737.D
Acq On : 20 Dec 2024 12:17
Operator : RC/JU
Sample : P5261-13MS
Misc :
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 20 12:48:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210MS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.272	152	3069	0.400	ng		0.00
7) Naphthalene-d8	10.009	136	8497	0.400	ng		-0.01
13) Acenaphthene-d10	13.924	164	5472	0.400	ng		-0.01
19) Phenanthrene-d10	16.698	188	11238	0.400	ng		# 0.00
29) Chrysene-d12	20.947	240	10070	0.400	ng		# 0.00
35) Perylene-d12	23.035	264	9931	0.400	ng		# 0.00
System Monitoring Compounds							
4) 2-Fluorophenol	4.939	112	900	0.117	ng		0.00
5) Phenol-d6	6.484	99	611	0.066	ng		0.00
8) Nitrobenzene-d5	8.408	82	2217m	0.427	ng		0.00
11) 2-Methylnaphthalene-d10	11.616	152	5212	0.392	ng		0.00
14) 2,4,6-Tribromophenol	15.453	330	864	0.222	ng		0.00
15) 2-Fluorobiphenyl	12.533	172	7056	0.341	ng		-0.01
27) Fluoranthene-d10	18.757	212	13055	0.410	ng		0.00
31) Terphenyl-d14	19.389	244	11620	0.585	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.974	88	15474	5.274	ng		98
3) n-Nitrosodimethylamine	3.278	42	397	0.162	ng	#	97
6) bis(2-Chloroethyl)ether	6.723	93	2616	0.337	ng		99
9) Naphthalene	10.063	128	7406	0.330	ng		100
10) Hexachlorobutadiene	10.351	225	1637	0.317	ng	#	100
12) 2-Methylnaphthalene	11.692	142	5182	0.323	ng		99
16) Acenaphthylene	13.636	152	8176	0.356	ng		99
17) Acenaphthene	13.989	154	5295	0.347	ng		98
18) Fluorene	14.994	166	7056	0.323	ng		99
20) 4,6-Dinitro-2-methylph...	15.111	198	186	0.168	ng	#	6
21) 4-Bromophenyl-phenylether	15.904	248	2268	0.345	ng	#	85
22) Hexachlorobenzene	16.003	284	3067	0.397	ng		95
23) Atrazine	16.202	200	1963	0.420	ng		95
24) Pentachlorophenol	16.363	266	2548	0.759	ng		86
25) Phenanthrene	16.736	178	11800	0.382	ng		99
26) Anthracene	16.835	178	10506	0.376	ng		99
28) Fluoranthene	18.789	202	14548	0.350	ng		100
30) Pyrene	19.156	202	15486	0.417	ng		99
32) Benzo(a)anthracene	20.938	228	13128	0.373	ng		98
33) Chrysene	20.983	228	14397	0.396	ng		100
34) Bis(2-ethylhexyl)phtha...	20.902	149	12764	0.918	ng		97
36) Indeno(1,2,3-cd)pyrene	25.061	276	15032	0.387	ng		96
37) Benzo(b)fluoranthene	22.427	252	22144	0.610	ng		97
38) Benzo(k)fluoranthene	22.468	252	14125	0.395	ng		96
39) Benzo(a)pyrene	22.947	252	11859	0.396	ng		94
40) Dibenzo(a,h)anthracene	25.082	278	11425	0.373	ng		97
41) Benzo(g,h,i)perylene	25.675	276	12077	0.377	ng		99

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

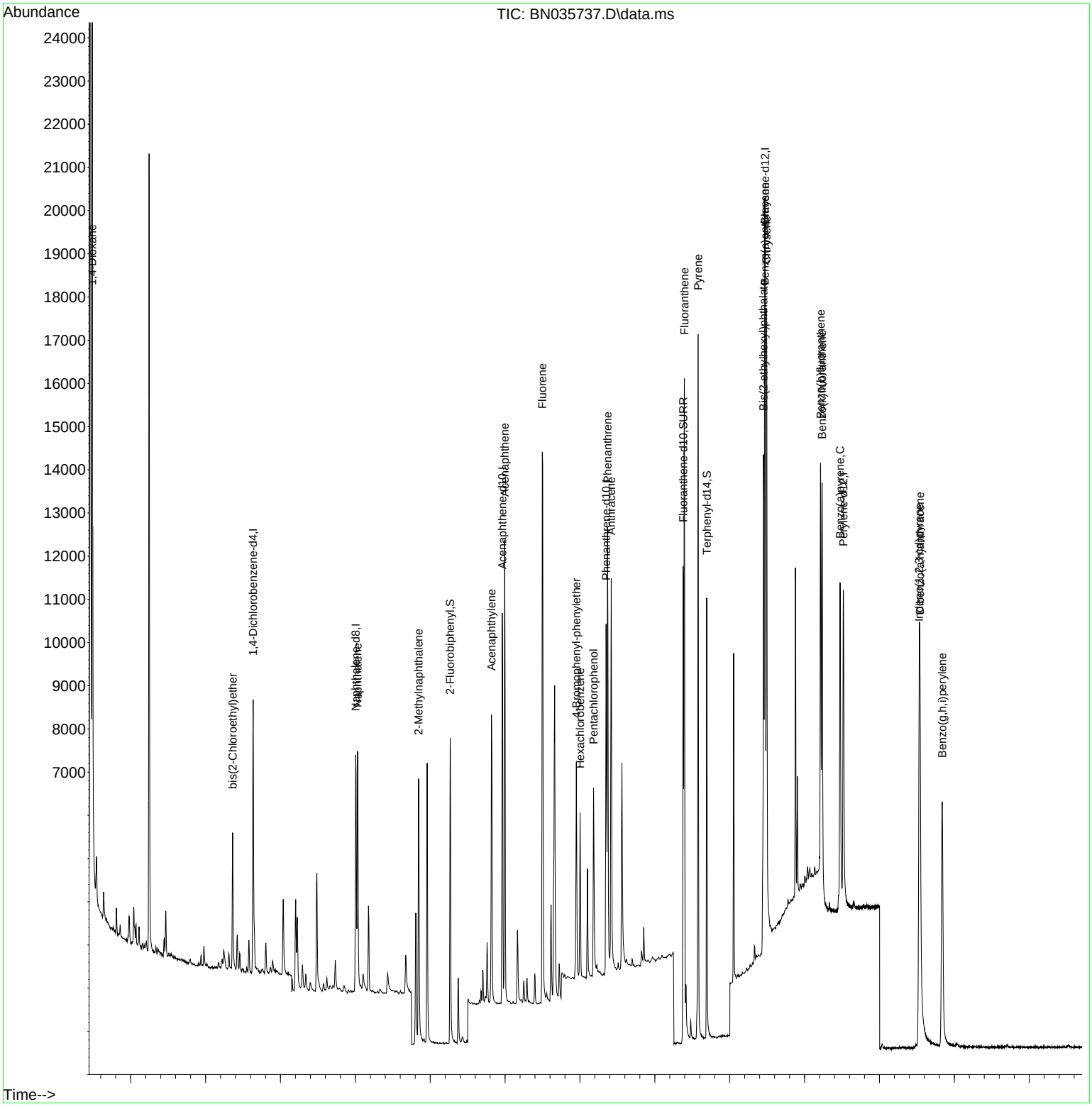
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035737.D
Acq On : 20 Dec 2024 12:17
Operator : RC/JU
Sample : P5261-13MS
Misc :
ALS Vial : 28 Sample Multiplier: 1

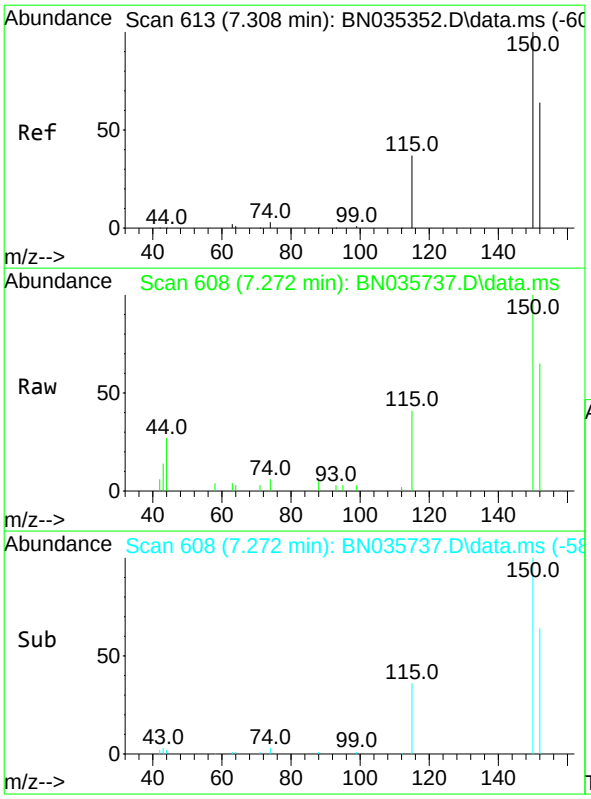
Quant Time: Dec 20 12:48:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210MS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

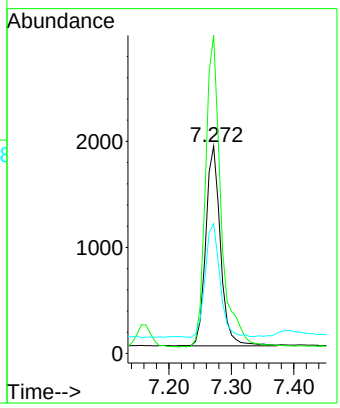




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.272 min Scan# 60
Delta R.T. -0.000 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Tgt Ion:152 Resp: 3069

Ion	Ratio	Lower	Upper
152	100		
150	153.4	124.0	186.0
115	62.6	49.6	74.4



Instrument :
BNA_N
ClientSampleId :
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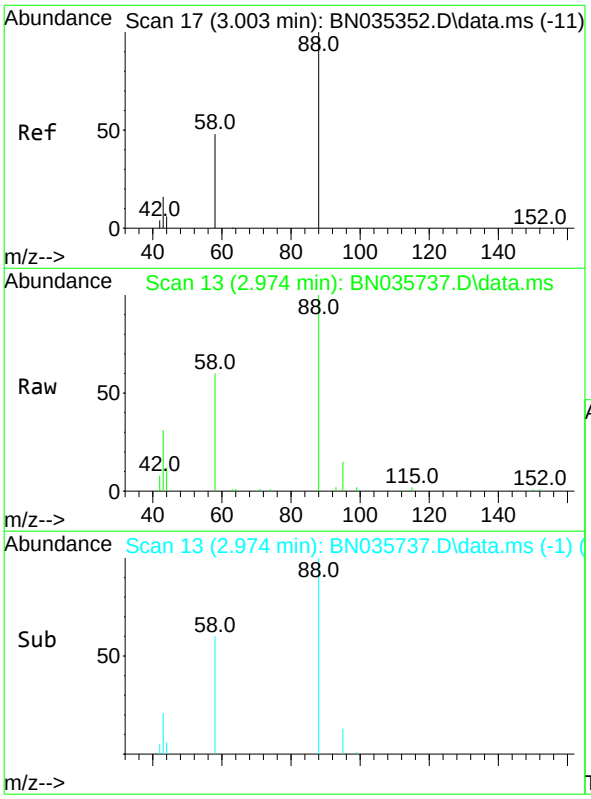
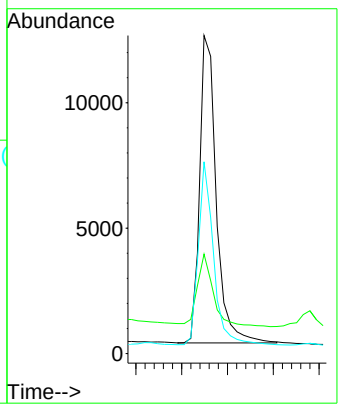
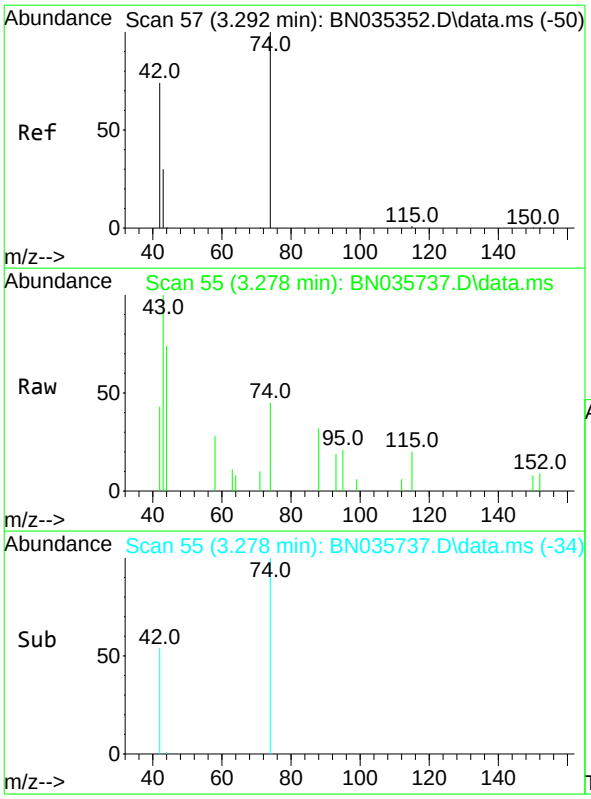


#2
1,4-Dioxane
Concen: 5.274 ng
RT: 2.974 min Scan# 13
Delta R.T. -0.007 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Tgt Ion: 88 Resp: 15474

Ion	Ratio	Lower	Upper
88	100		
43	22.7	17.2	25.8
58	54.2	44.5	66.7

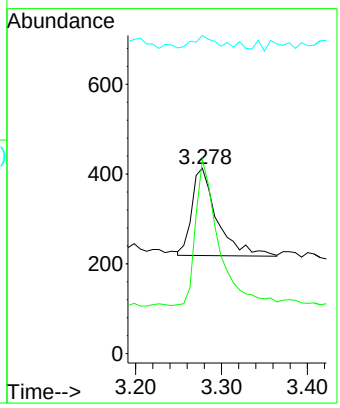




#3
n-Nitrosodimethylamine
Concen: 0.162 ng
RT: 3.278 min Scan# 55
Delta R.T. -0.000 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Tgt Ion: 42 Resp: 397

Ion	Ratio	Lower	Upper
42	100		
74	152.9	124.9	187.3
44	15.9	2.2	3.4#



Instrument :
BNA_N
ClientSampleId :
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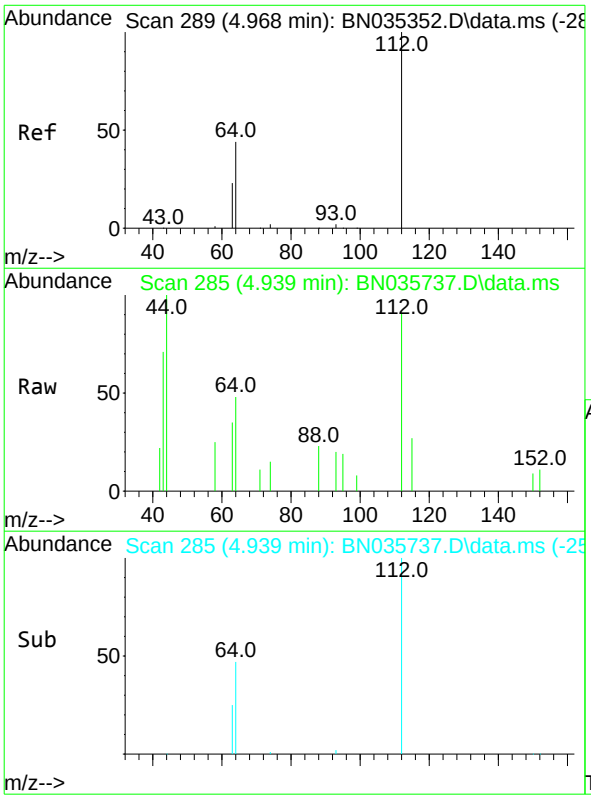
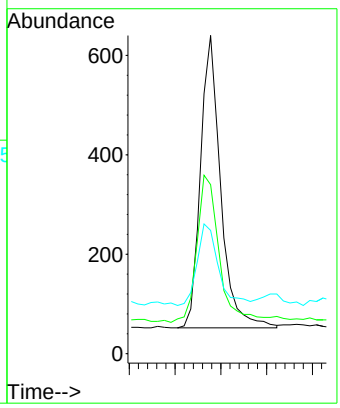
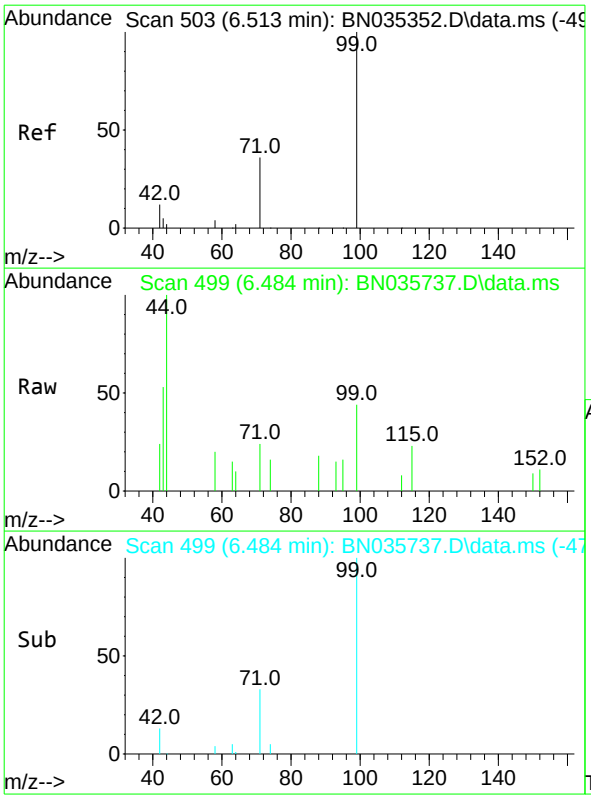


#4
2-Fluorophenol
Concen: 0.117 ng
RT: 4.939 min Scan# 285
Delta R.T. -0.000 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Tgt Ion:112 Resp: 900

Ion	Ratio	Lower	Upper
112	100		
64	55.2	39.8	59.8
63	29.2	21.0	31.6

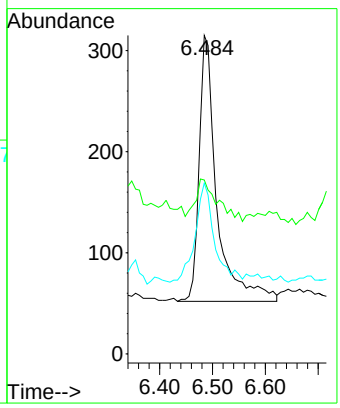




#5
Phenol-d6
Concen: 0.066 ng
RT: 6.484 min Scan# 49
Delta R.T. -0.007 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Tgt Ion: 99 Resp: 611

Ion	Ratio	Lower	Upper
99	100		
42	19.6	11.4	17.2#
71	40.4	29.3	43.9



Instrument :
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ClientSampleId :
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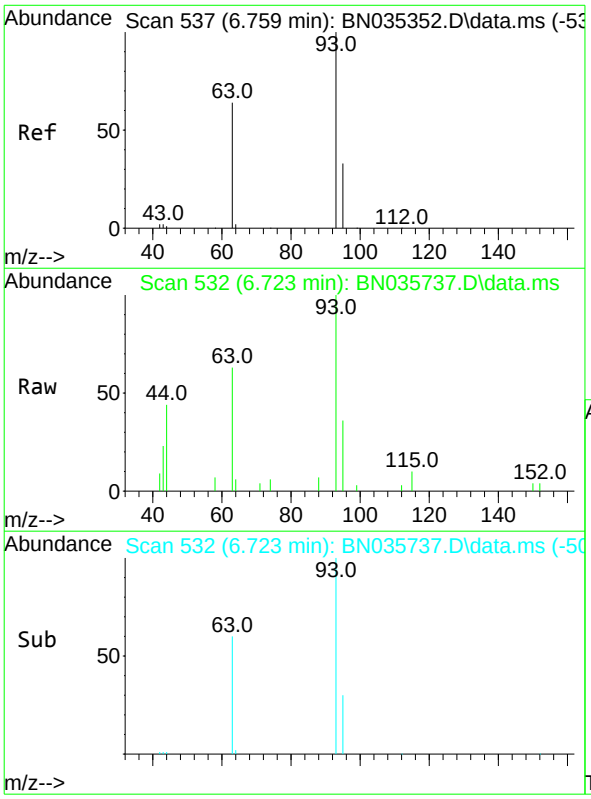
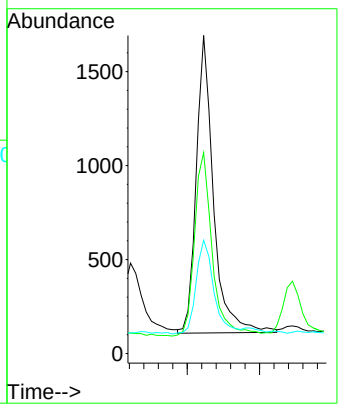
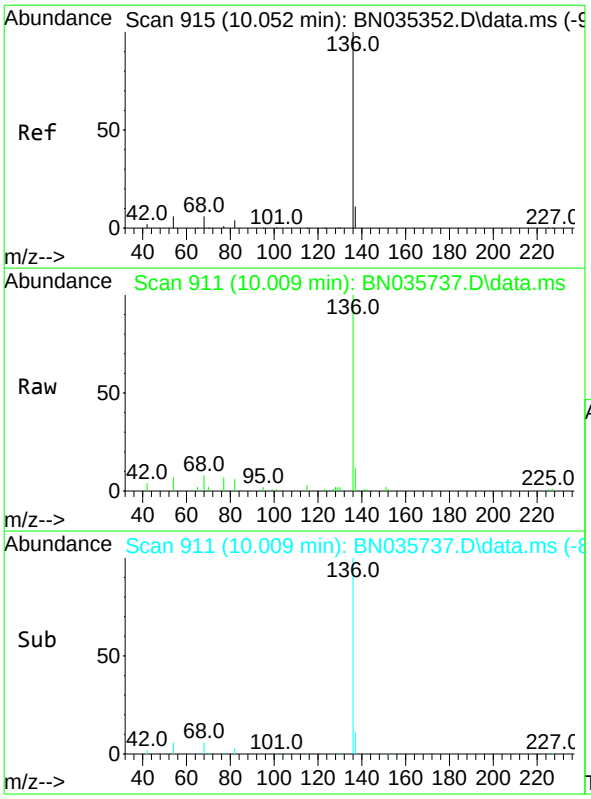


#6
bis(2-Chloroethyl)ether
Concen: 0.337 ng
RT: 6.723 min Scan# 532
Delta R.T. -0.007 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Tgt Ion: 93 Resp: 2616

Ion	Ratio	Lower	Upper
93	100		
63	64.0	50.4	75.6
95	32.5	25.7	38.5

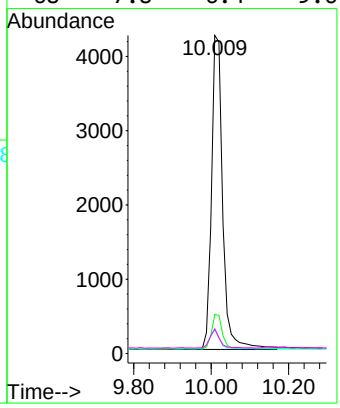




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.009 min Scan# 91
Delta R.T. -0.011 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Tgt Ion:136 Resp: 8497

Ion	Ratio	Lower	Upper
136	100		
137	12.3	10.2	15.2
54	7.4	6.1	9.1
68	7.8	6.4	9.6



Instrument :
BNA_N
ClientSampleId :
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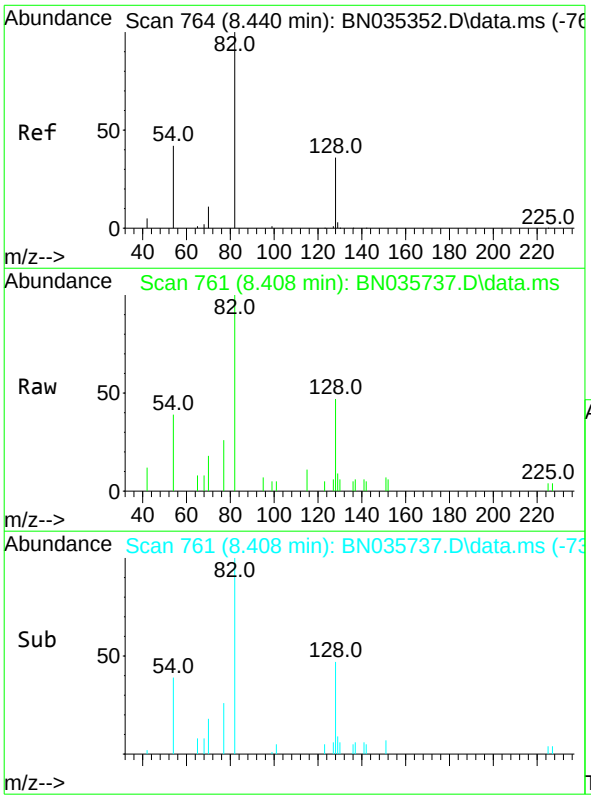
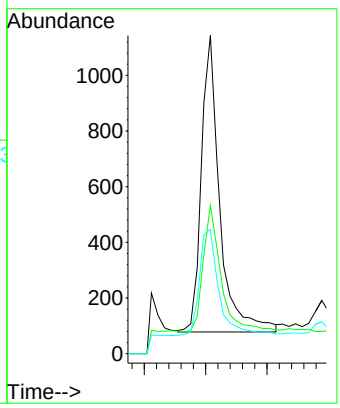
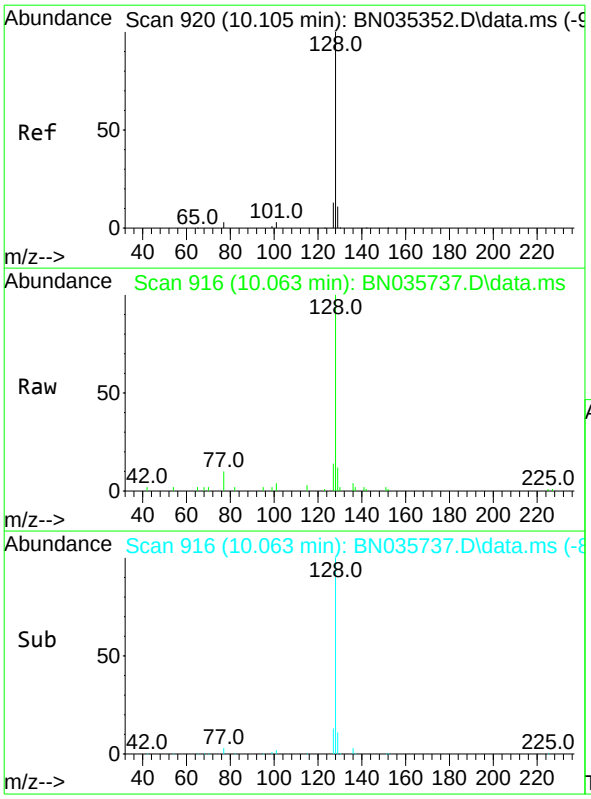


#8
Nitrobenzene-d5
Concen: 0.427 ng m
RT: 8.408 min Scan# 761
Delta R.T. -0.000 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Tgt Ion: 82 Resp: 2217

Ion	Ratio	Lower	Upper
82	100		
128	46.6	33.4	50.0
54	39.0	36.7	55.1

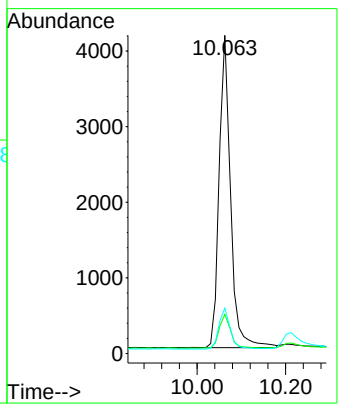




#9
Naphthalene
Concen: 0.330 ng
RT: 10.063 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Tgt Ion:128 Resp: 7406

Ion	Ratio	Lower	Upper
128	100		
129	12.3	9.8	14.6
127	14.3	11.4	17.2



Instrument :
BNA_N
ClientSampleId :
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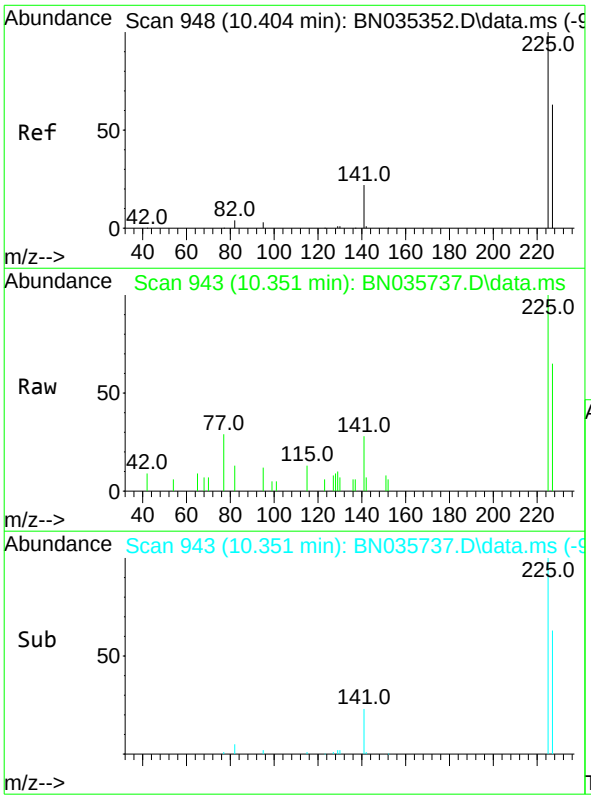
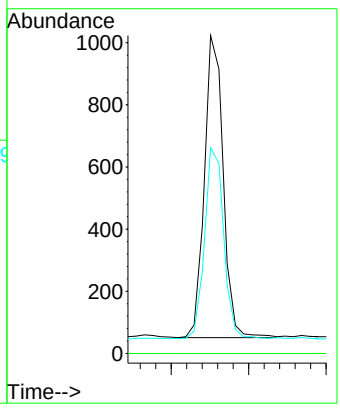
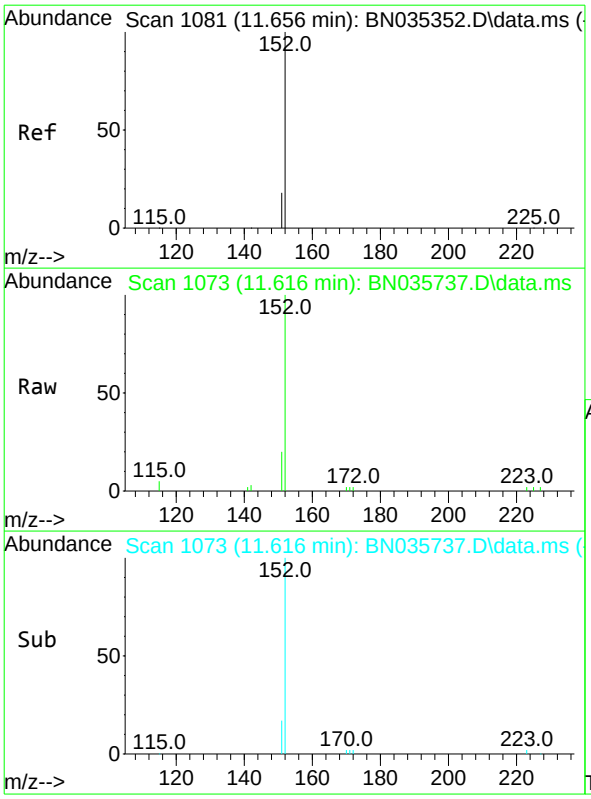


#10
Hexachlorobutadiene
Concen: 0.317 ng
RT: 10.351 min Scan# 943
Delta R.T. -0.011 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Tgt Ion:225 Resp: 1637

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.0	51.3	76.9

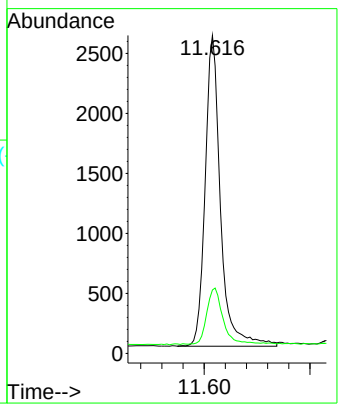




#11
2-Methylnaphthalene-d10
Concen: 0.392 ng
RT: 11.616 min Scan# 10
Delta R.T. -0.005 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Tgt Ion:152 Resp: 5212

Ion	Ratio	Lower	Upper
152	100		
151	18.9	16.6	25.0



Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210MS

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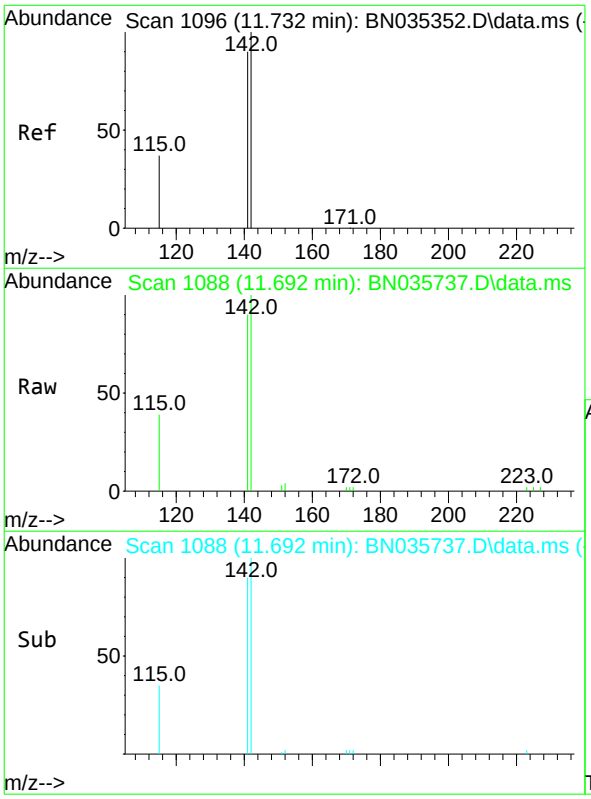
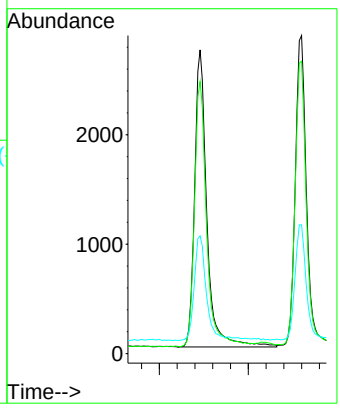
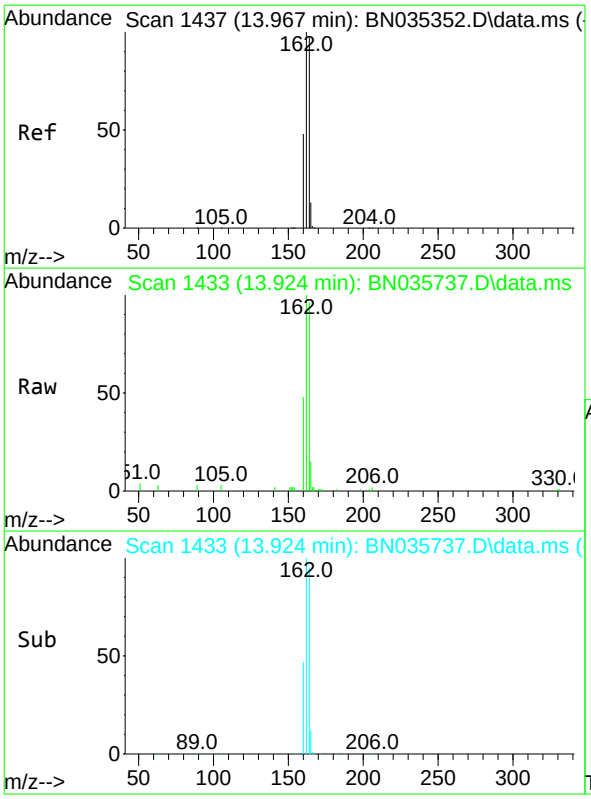


#12
2-Methylnaphthalene
Concen: 0.323 ng
RT: 11.692 min Scan# 1088
Delta R.T. -0.005 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Tgt Ion:142 Resp: 5182

Ion	Ratio	Lower	Upper
142	100		
141	89.6	72.2	108.4
115	38.8	31.4	47.0

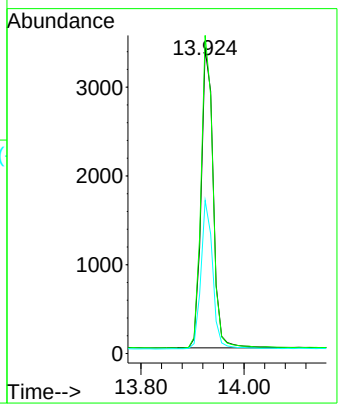




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.924 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Tgt Ion:164 Resp: 5472

Ion	Ratio	Lower	Upper
164	100		
162	104.5	82.2	123.2
160	50.3	40.1	60.1



Instrument :
BNA_N
ClientSampleId :
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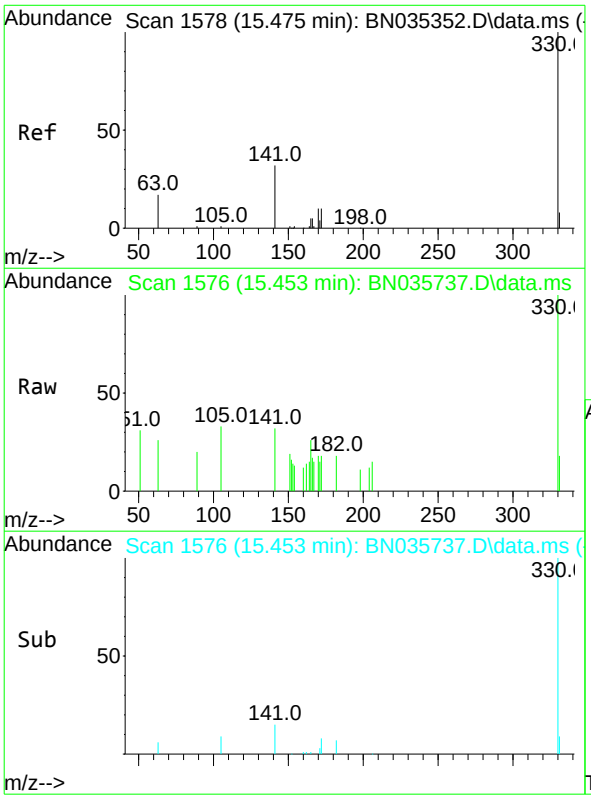
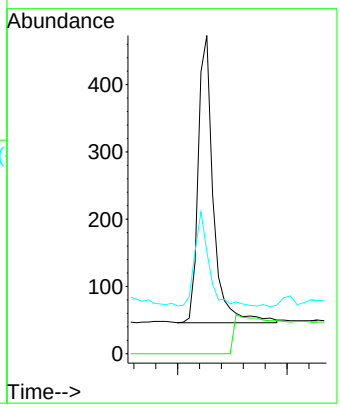
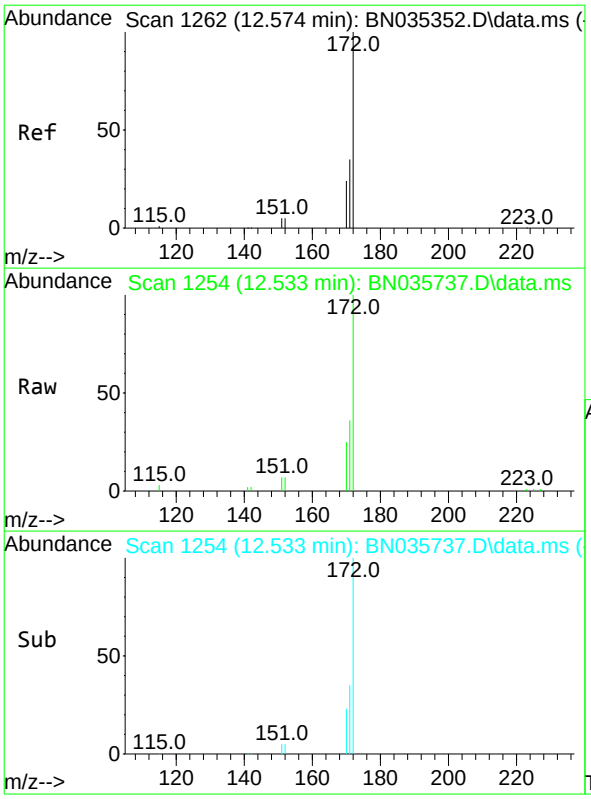


#14
2,4,6-Tribromophenol
Concen: 0.222 ng
RT: 15.453 min Scan# 1576
Delta R.T. -0.000 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Tgt Ion:330 Resp: 864

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	29.4	26.6	40.0

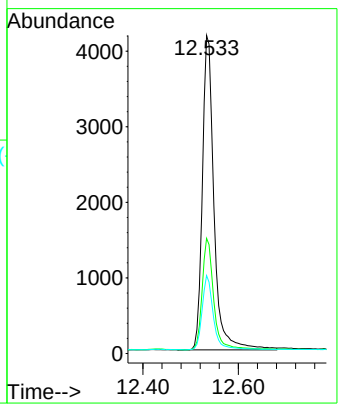




#15
2-Fluorobiphenyl
Concen: 0.341 ng
RT: 12.533 min Scan# 12
Delta R.T. -0.010 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Tgt Ion:172 Resp: 7056

Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.0	43.4
170	24.5	19.8	29.8



Instrument :
BNA_N
ClientSampleId :
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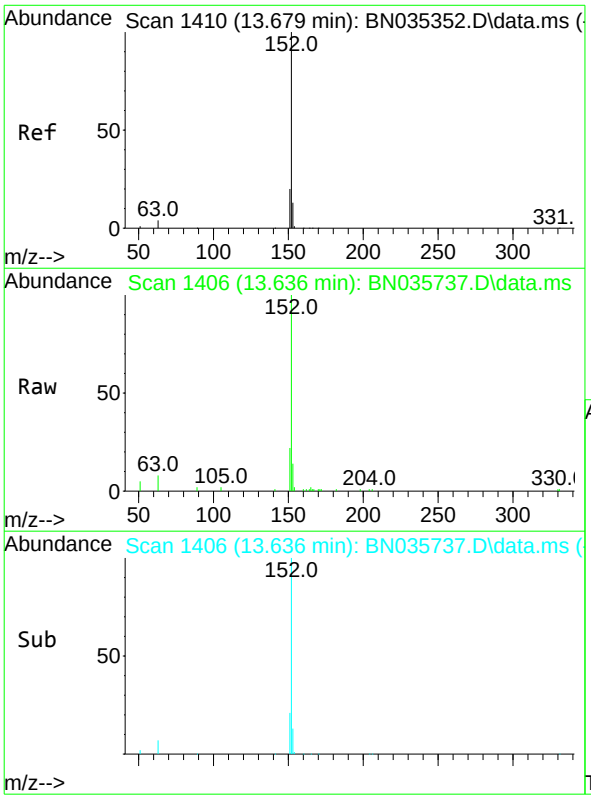
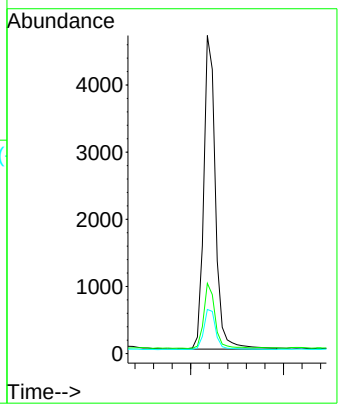
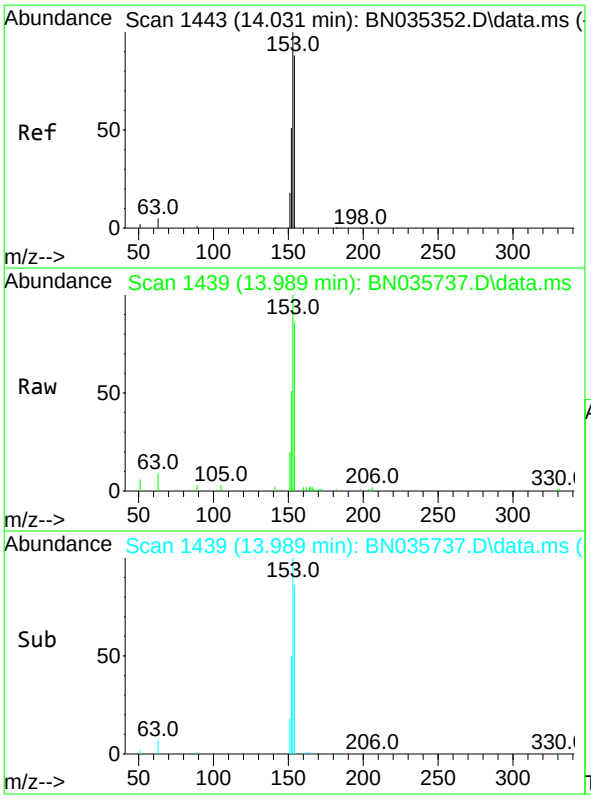


#16
Acenaphthylene
Concen: 0.356 ng
RT: 13.636 min Scan# 1406
Delta R.T. -0.011 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Tgt Ion:152 Resp: 8176

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.2	24.2
153	13.3	10.4	15.6

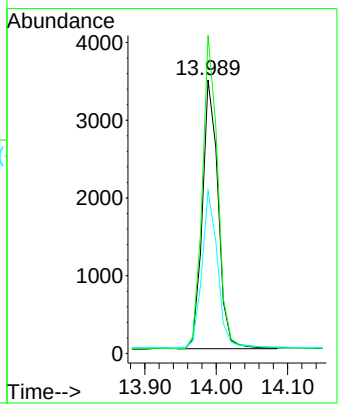




#17
Acenaphthene
Concen: 0.347 ng
RT: 13.989 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Tgt Ion:154 Resp: 5295

Ion	Ratio	Lower	Upper
154	100		
153	115.4	92.6	139.0
152	58.1	49.0	73.6



Instrument :
BNA_N
ClientSampleId :
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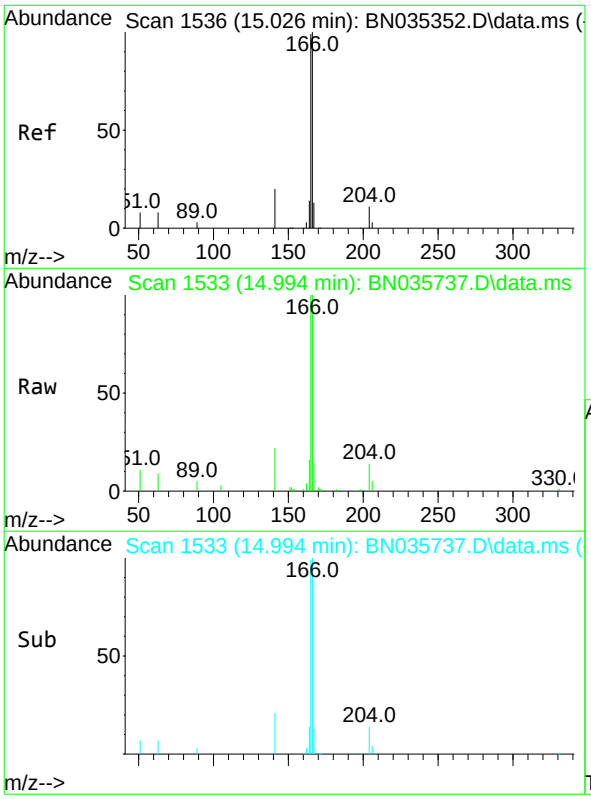
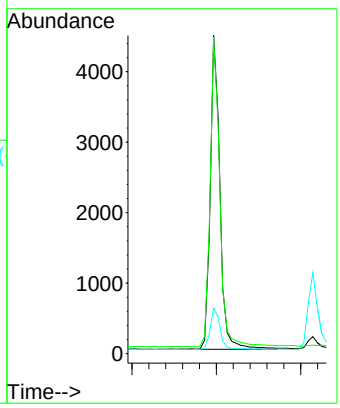
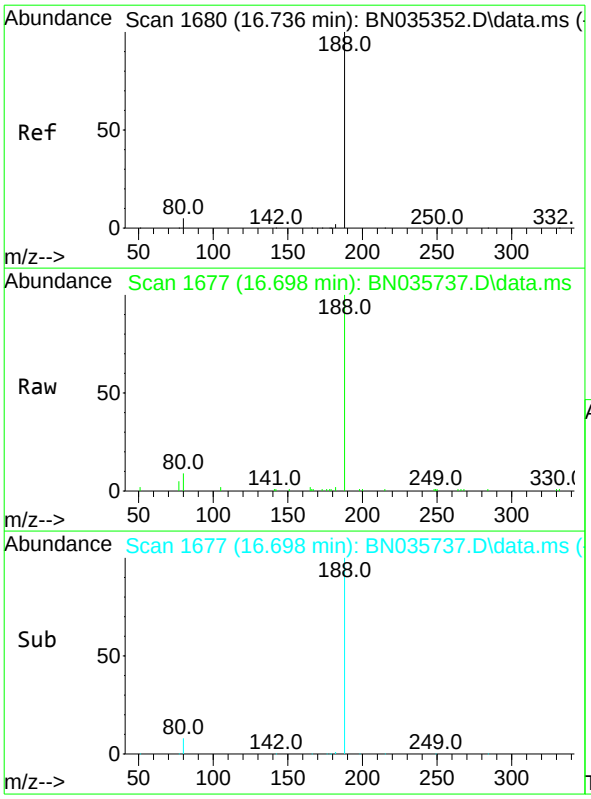


#18
Fluorene
Concen: 0.323 ng
RT: 14.994 min Scan# 1533
Delta R.T. -0.011 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Tgt Ion:166 Resp: 7056

Ion	Ratio	Lower	Upper
166	100		
165	98.8	79.7	119.5
167	13.8	10.8	16.2

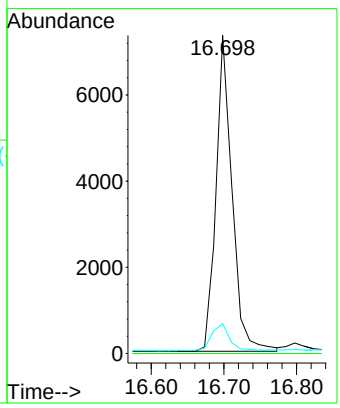




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.698 min Scan# 16
Delta R.T. -0.000 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Tgt Ion:188 Resp: 11238

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.4	4.6	6.8#



Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210MS

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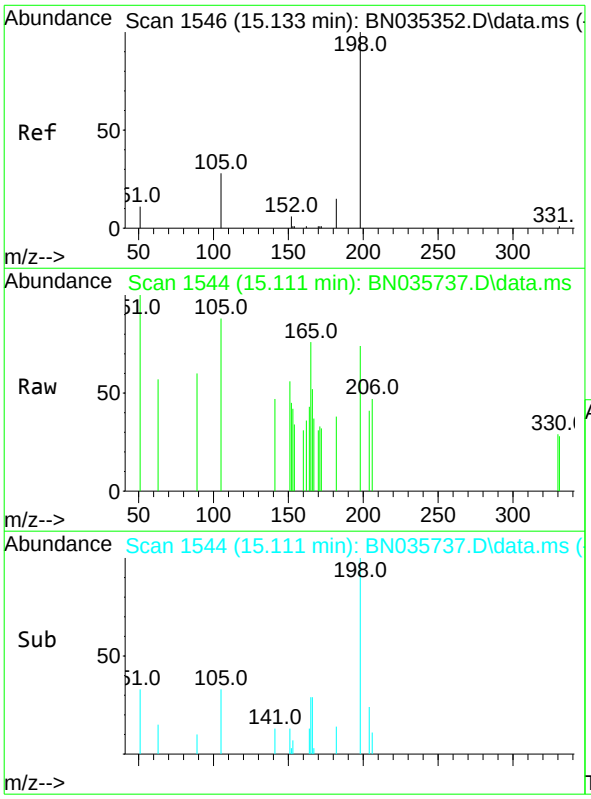
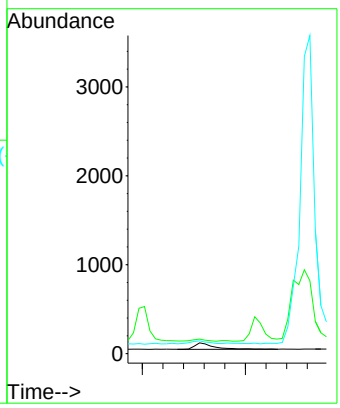
Supervised By :mohammad ahmed 12/24/2024

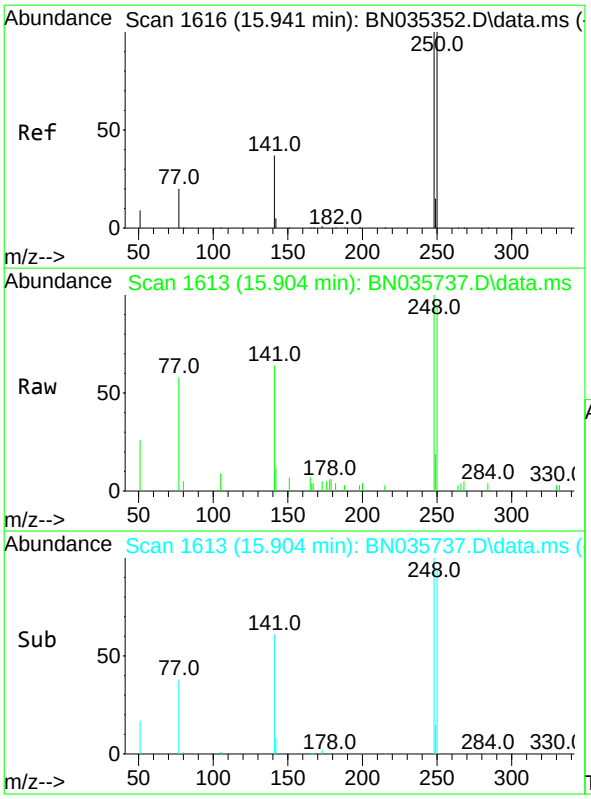


#20
4,6-Dinitro-2-methylphenol
Concen: 0.168 ng
RT: 15.111 min Scan# 1544
Delta R.T. -0.011 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Tgt Ion:198 Resp: 186

Ion	Ratio	Lower	Upper
198	100		
51	134.7	46.5	69.7#
105	118.2	45.3	67.9#





#21
4-Bromophenyl-phenylether
Concen: 0.345 ng
RT: 15.904 min Scan# 16
Delta R.T. -0.013 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Tgt Ion:248 Resp: 2268

Ion	Ratio	Lower	Upper
248	100		
250	95.3	80.6	120.8
141	64.4	31.5	47.3#

Instrument :
BNA_N
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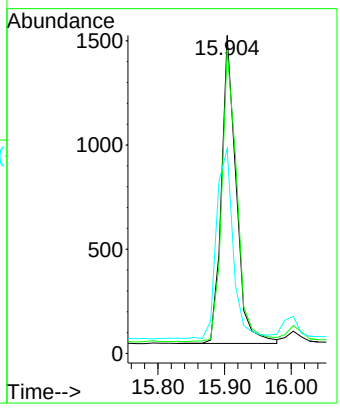
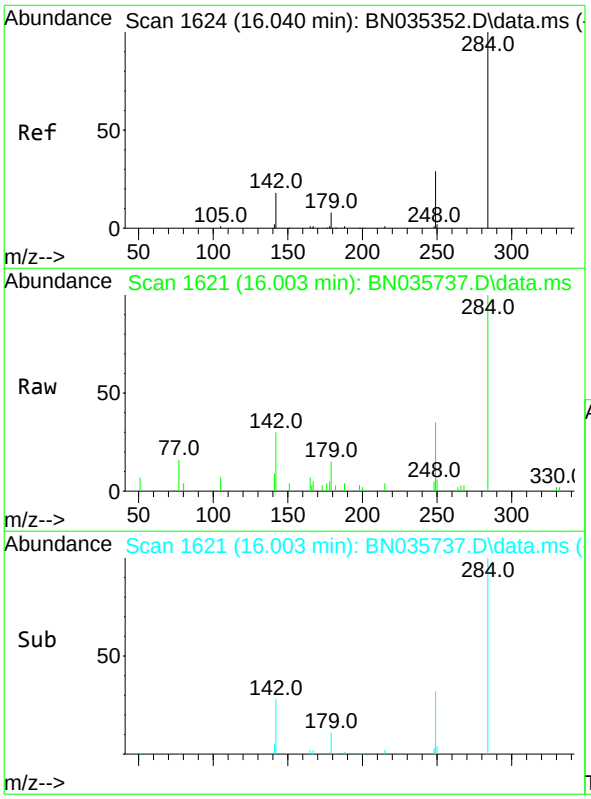
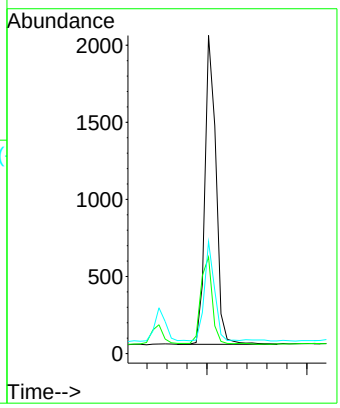


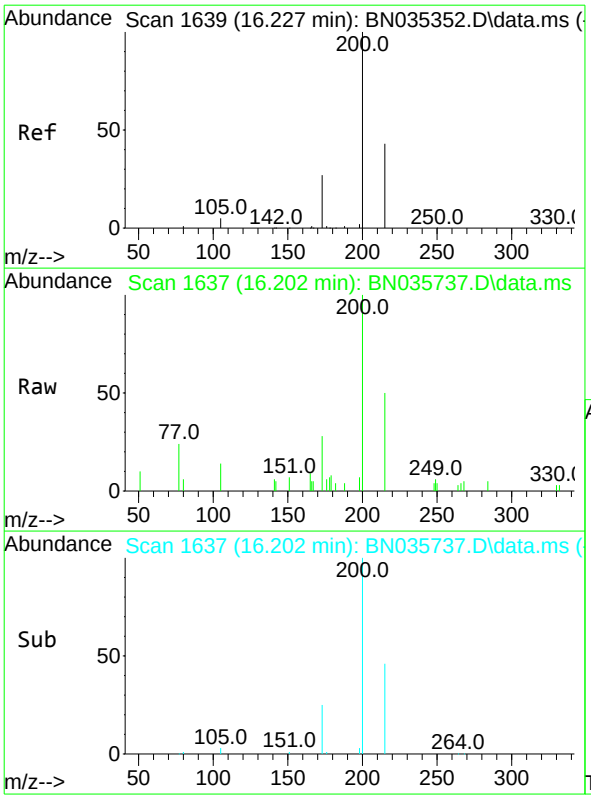


#22
Hexachlorobenzene
Concen: 0.397 ng
RT: 16.003 min Scan# 1621
Delta R.T. -0.013 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Tgt Ion:284 Resp: 3067

Ion	Ratio	Lower	Upper
284	100		
142	29.0	26.7	40.1
249	29.8	24.6	36.8





#23
Atrazine
Concen: 0.420 ng
RT: 16.202 min Scan# 16
Delta R.T. -0.000 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Tgt Ion:200 Resp: 1963

Ion	Ratio	Lower	Upper
200	100		
173	28.2	24.1	36.1
215	50.2	36.9	55.3

Instrument :
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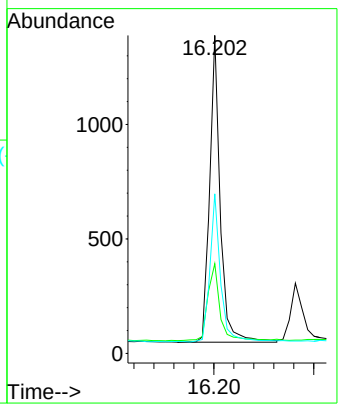
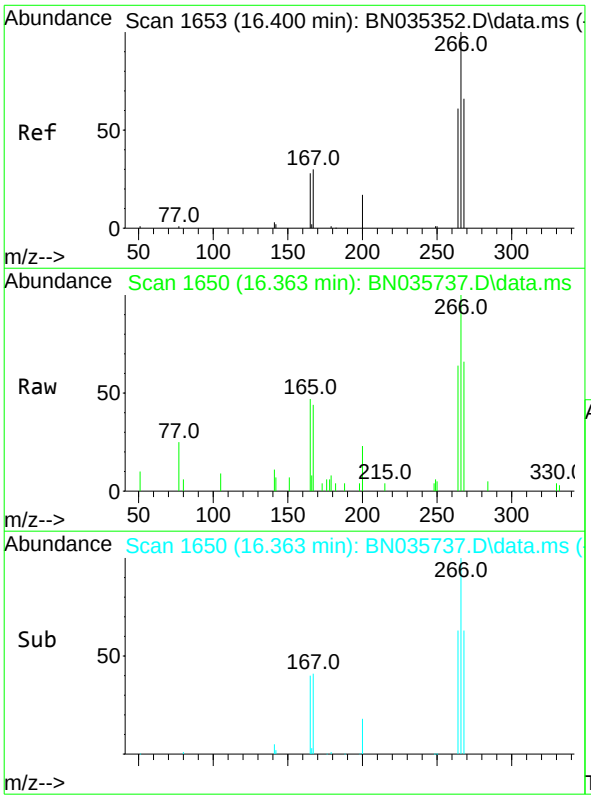
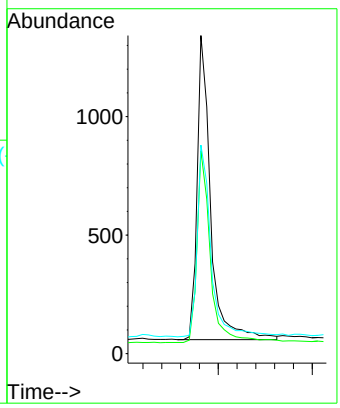


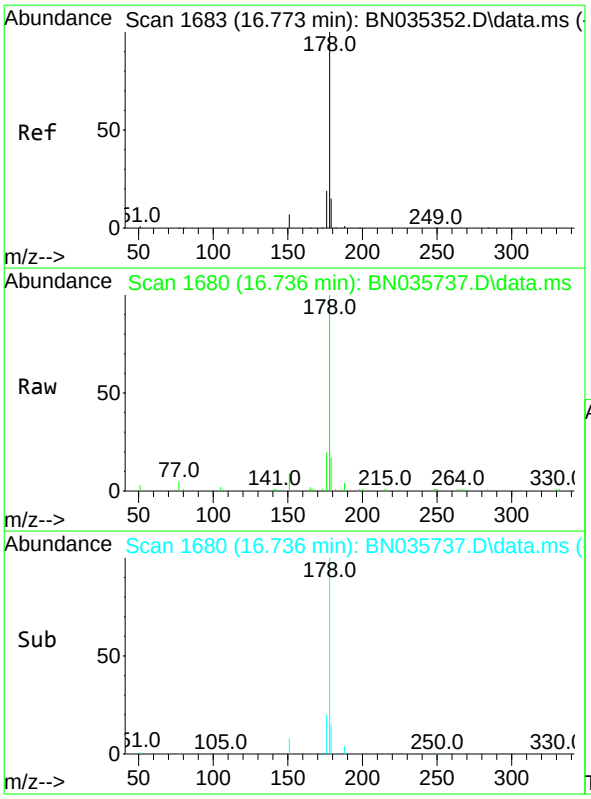


#24
Pentachlorophenol
Concen: 0.759 ng
RT: 16.363 min Scan# 1650
Delta R.T. -0.013 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Tgt Ion:266 Resp: 2548

Ion	Ratio	Lower	Upper
266	100		
264	62.5	42.3	63.5
268	64.7	43.3	64.9

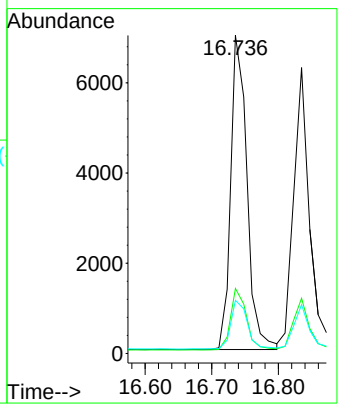




#25
Phenanthrene
Concen: 0.382 ng
RT: 16.736 min Scan# 16
Delta R.T. -0.013 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Tgt Ion:178 Resp: 11800

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.9	12.3	18.5



Instrument :
BNA_N
ClientSampleId :
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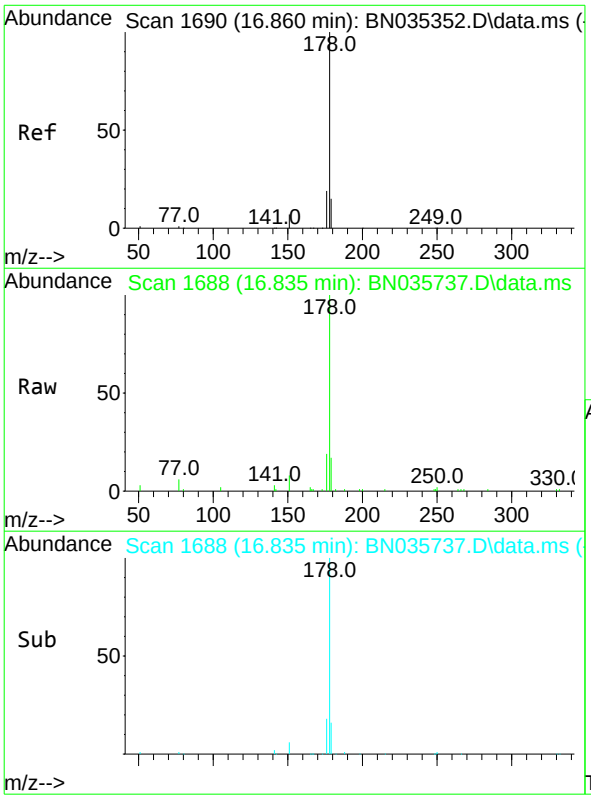
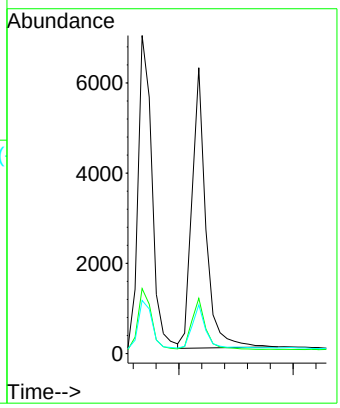
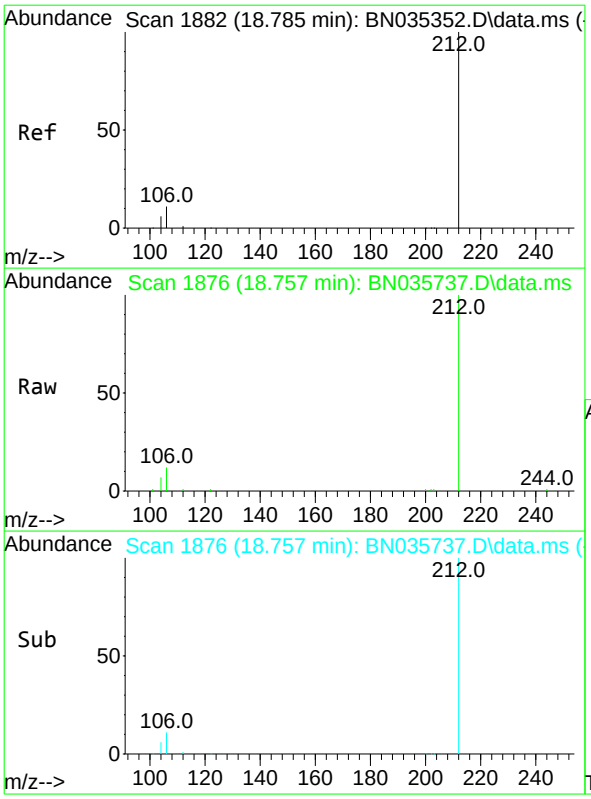


#26
Anthracene
Concen: 0.376 ng
RT: 16.835 min Scan# 1688
Delta R.T. -0.000 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Tgt Ion:178 Resp: 10506

Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.0	22.6
179	15.3	12.6	18.8

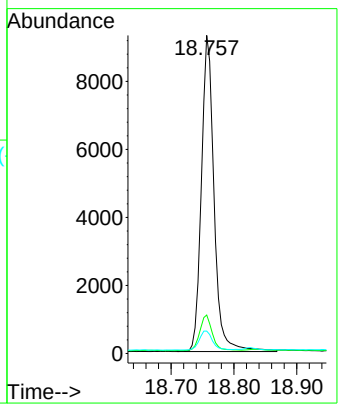




#27
Fluoranthene-d10
Concen: 0.410 ng
RT: 18.757 min Scan# 18
Delta R.T. -0.005 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Tgt Ion:212 Resp: 13055

Ion	Ratio	Lower	Upper
212	100		
106	11.0	9.2	13.8
104	6.2	5.3	7.9



Instrument :
BNA_N
ClientSampleId :
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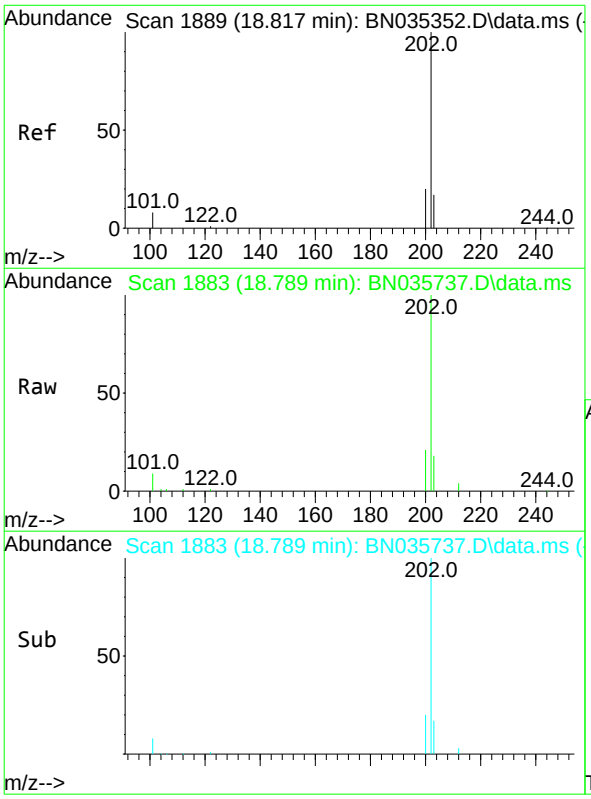
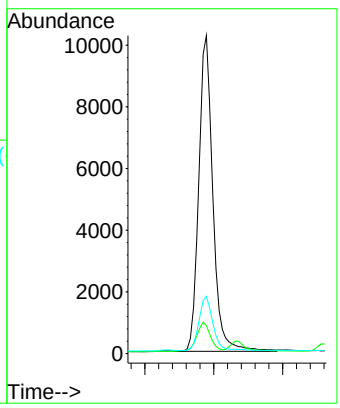
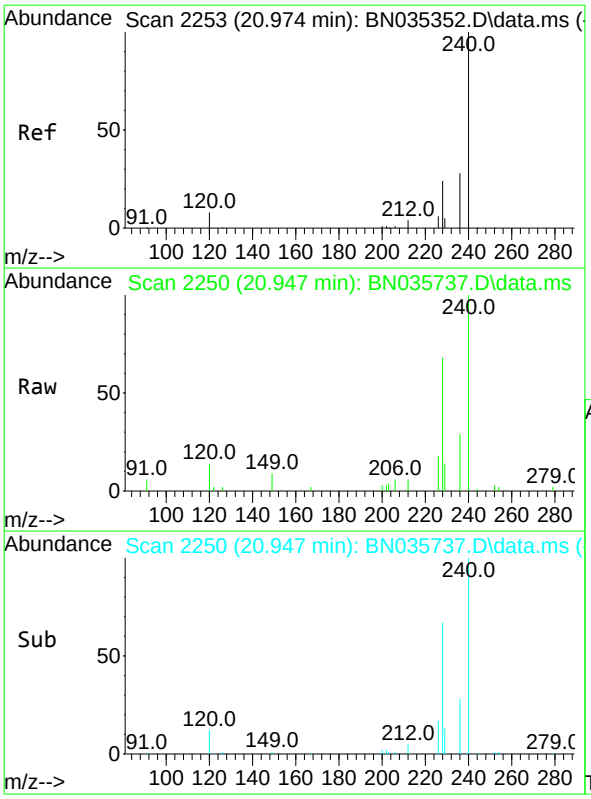


#28
Fluoranthene
Concen: 0.350 ng
RT: 18.789 min Scan# 1883
Delta R.T. -0.000 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Tgt Ion:202 Resp: 14548

Ion	Ratio	Lower	Upper
202	100		
101	9.1	7.4	11.0
203	17.0	13.7	20.5

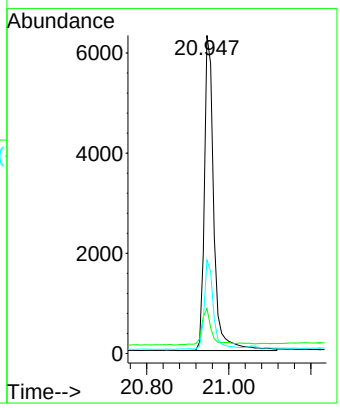




#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.947 min Scan# 22
Delta R.T. -0.009 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Tgt Ion:240 Resp: 10070

Ion	Ratio	Lower	Upper
240	100		
120	14.2	7.9	11.9#
236	29.3	22.9	34.3



Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210MS

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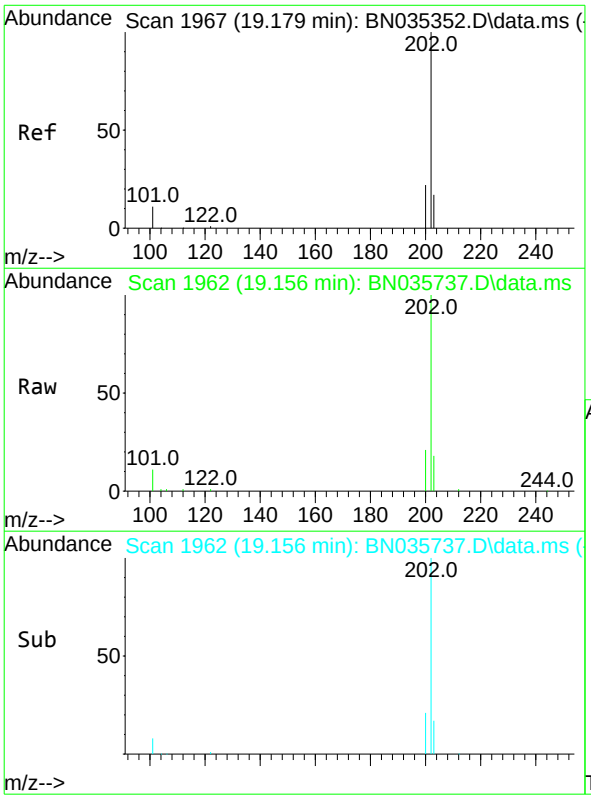
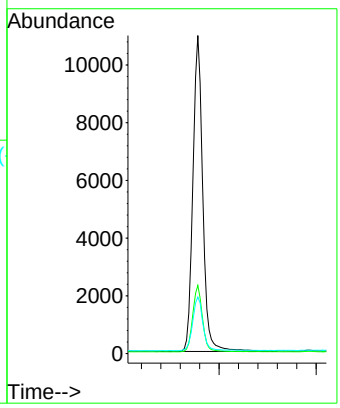
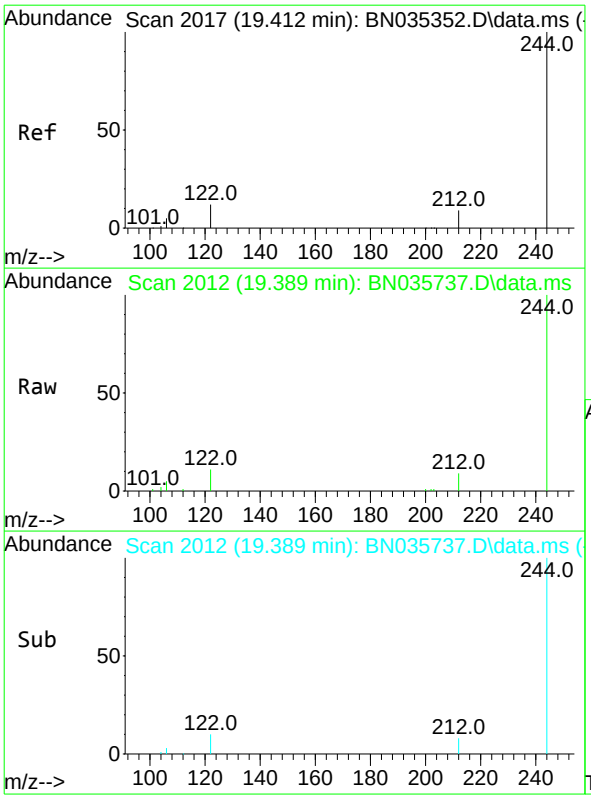


#30
Pyrene
Concen: 0.417 ng
RT: 19.156 min Scan# 1962
Delta R.T. -0.005 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Tgt Ion:202 Resp: 15486

Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.0	25.4
203	17.5	14.3	21.5

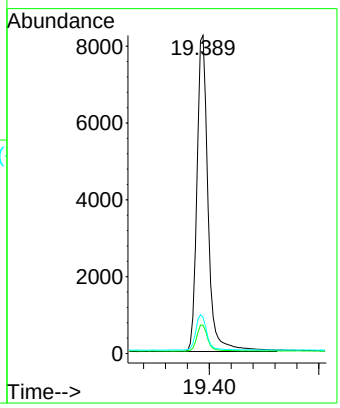




#31
Terphenyl-d14
Concen: 0.585 ng
RT: 19.389 min Scan# 20
Delta R.T. -0.000 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Tgt Ion:244 Resp: 11620

Ion	Ratio	Lower	Upper
244	100		
212	8.9	8.1	12.1
122	11.3	10.3	15.5



Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210MS

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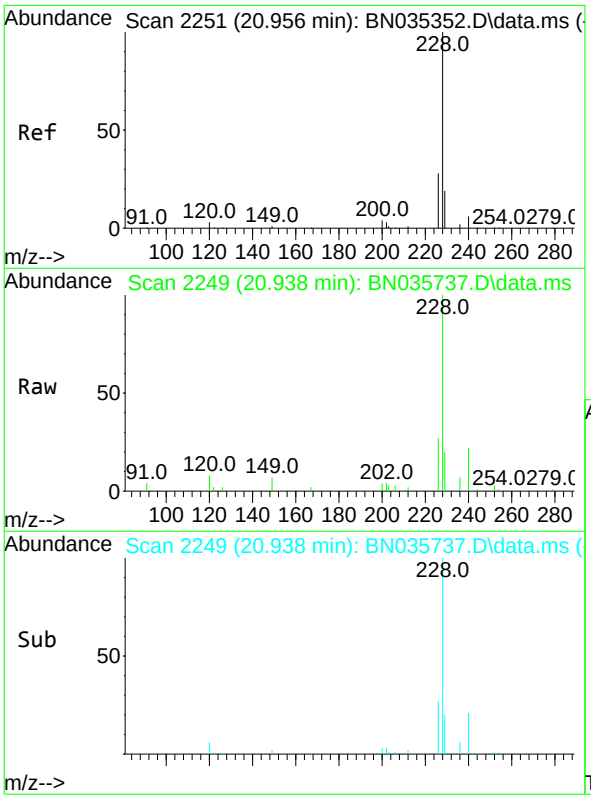
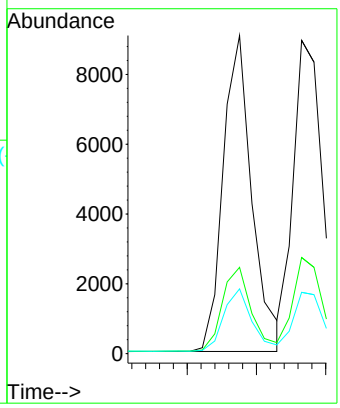
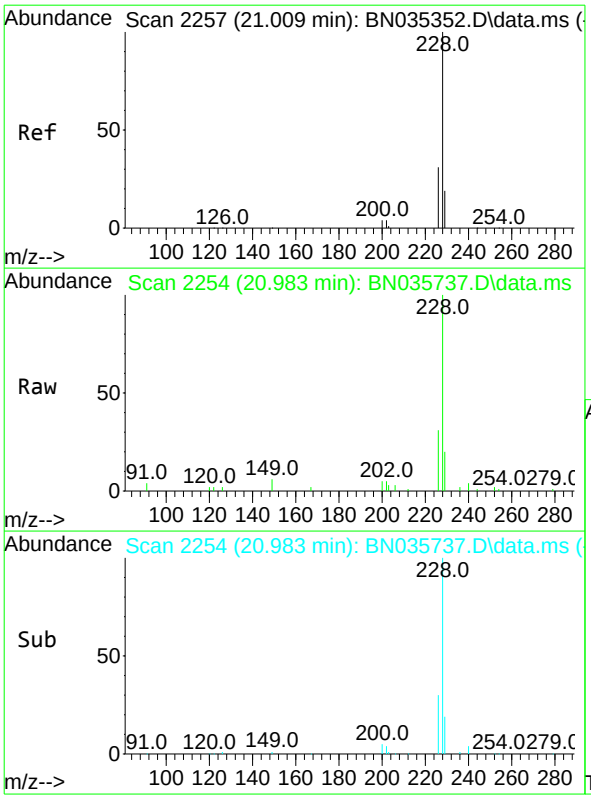


#32
Benzo(a)anthracene
Concen: 0.373 ng
RT: 20.938 min Scan# 2249
Delta R.T. -0.000 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Tgt Ion:228 Resp: 13128

Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.5	33.7
229	20.4	15.8	23.8





#33
Chrysene
Concen: 0.396 ng
RT: 20.983 min Scan# 22
Delta R.T. -0.009 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Tgt Ion:228 Resp: 14397

Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.6	37.0
229	19.6	15.9	23.9

Instrument :
BNA_N
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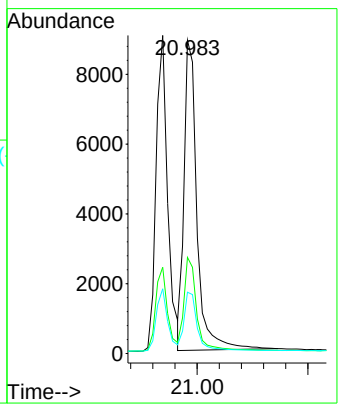
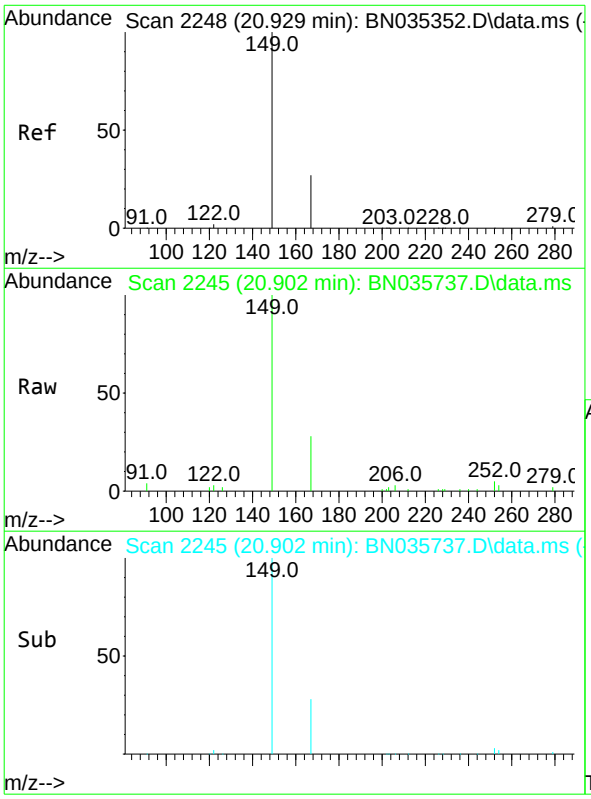
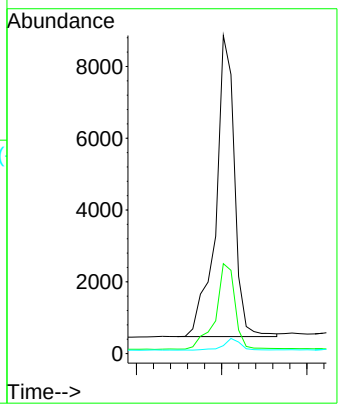


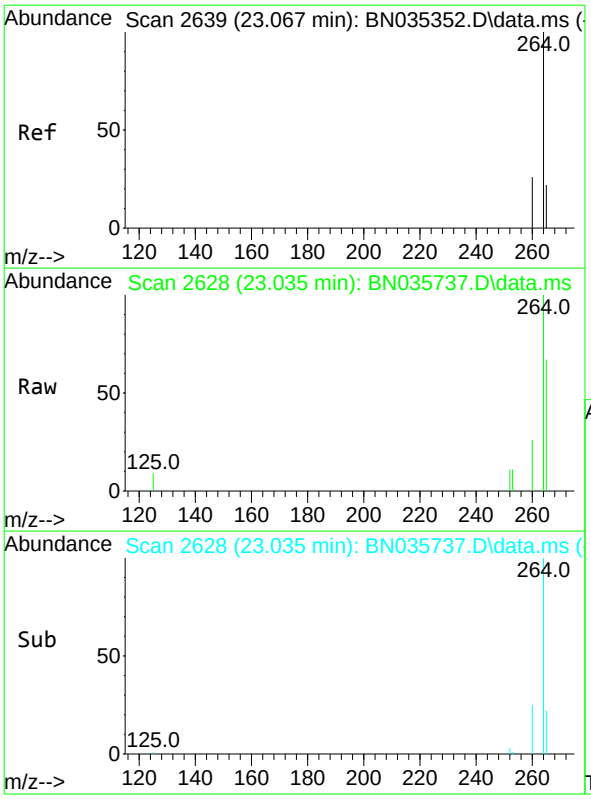


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.918 ng
RT: 20.902 min Scan# 2245
Delta R.T. -0.009 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Tgt Ion:149 Resp: 12764

Ion	Ratio	Lower	Upper
149	100		
167	29.3	22.2	33.4
279	3.4	2.7	4.1





#35
Perylene-d12
Concen: 0.400 ng
RT: 23.035 min Scan# 26
Delta R.T. -0.006 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Tgt Ion:264 Resp: 9931

Ion	Ratio	Lower	Upper
264	100		
260	25.6	21.4	32.2
265	67.1	40.2	60.4#

Instrument :
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ClientSampleId :
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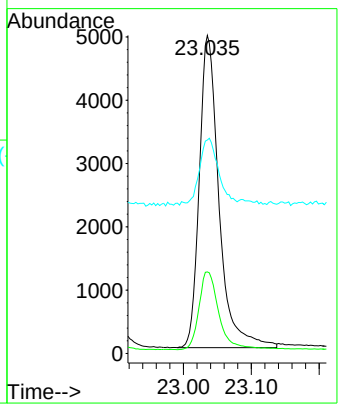
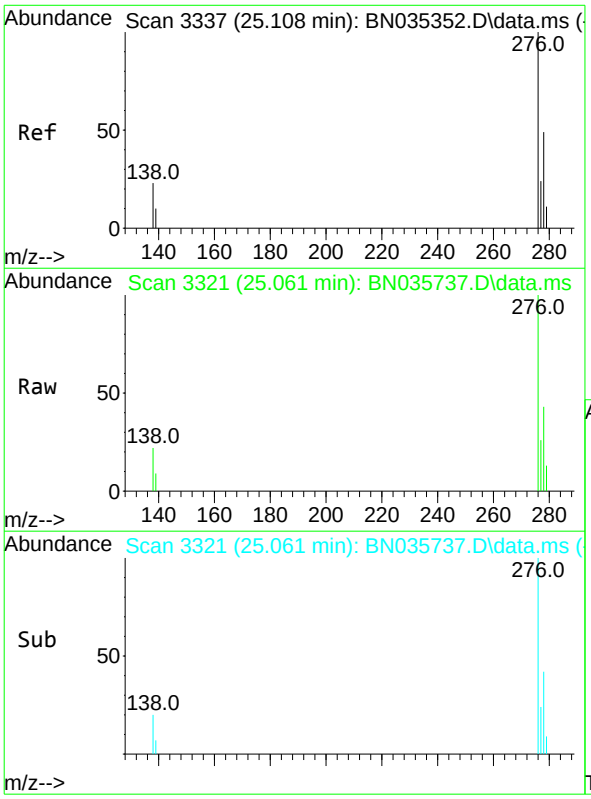
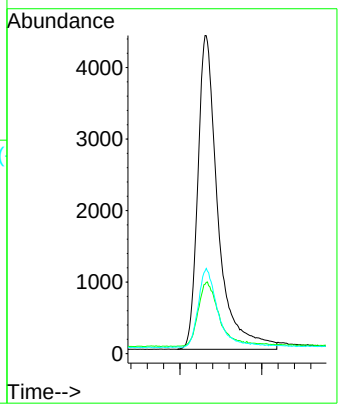


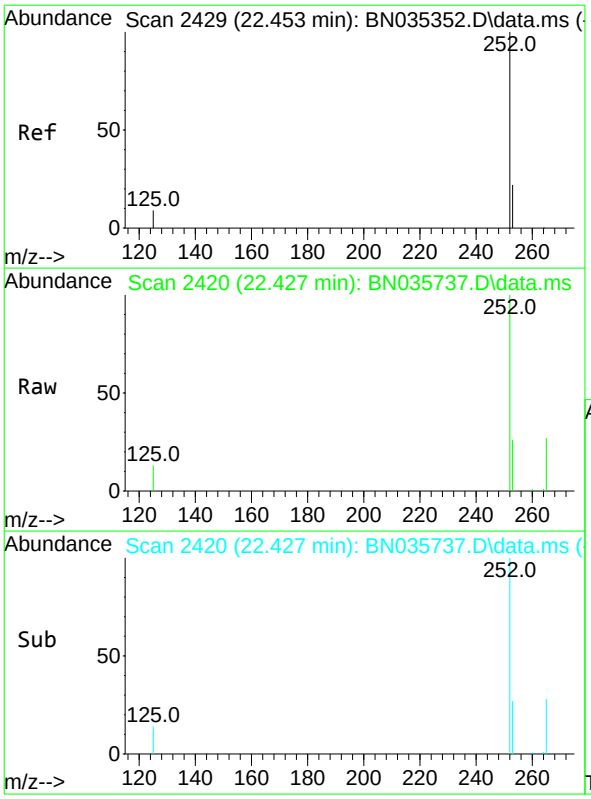


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.387 ng
RT: 25.061 min Scan# 3321
Delta R.T. -0.006 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Tgt Ion:276 Resp: 15032

Ion	Ratio	Lower	Upper
276	100		
138	20.9	19.4	29.0
277	23.9	19.8	29.6

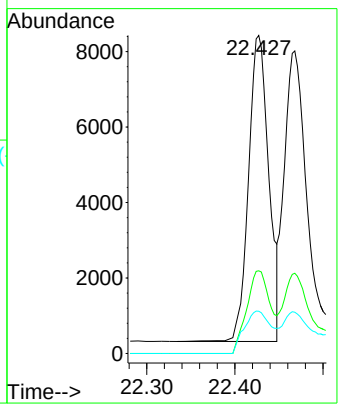




#37
Benzo(b)fluoranthene
Concen: 0.610 ng
RT: 22.427 min Scan# 24
Delta R.T. -0.003 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Tgt Ion:252 Resp: 22144

Ion	Ratio	Lower	Upper
252	100		
253	26.0	19.6	29.4
125	13.3	9.6	14.4



Instrument :
BNA_N
ClientSampleId :
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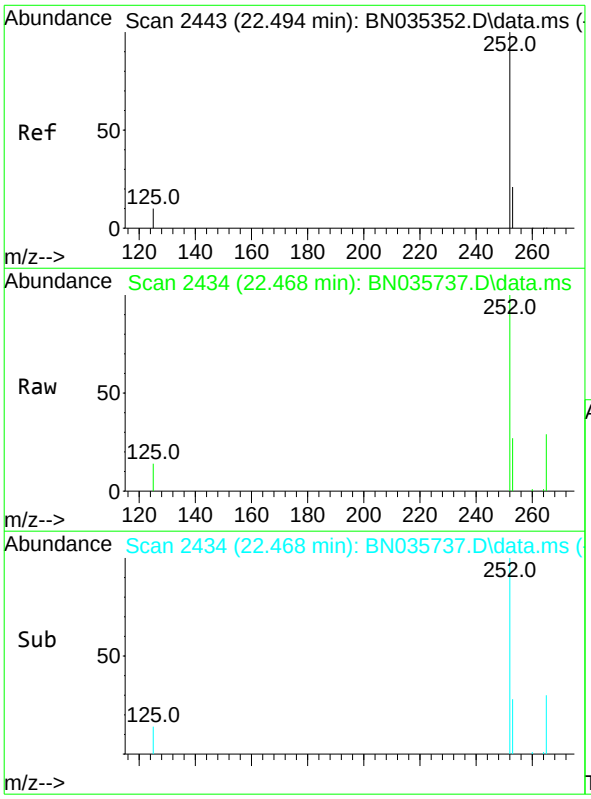
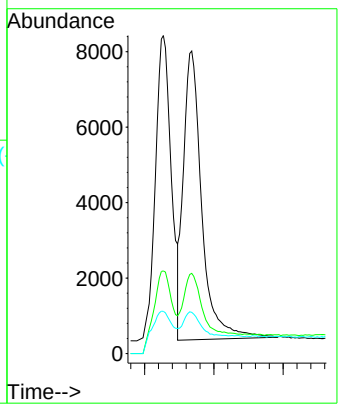
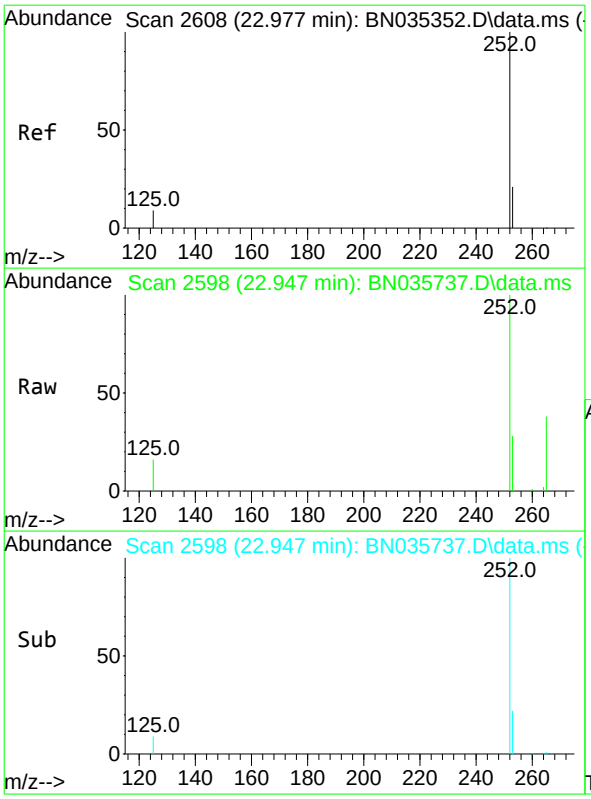


#38
Benzo(k)fluoranthene
Concen: 0.395 ng
RT: 22.468 min Scan# 2434
Delta R.T. -0.003 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Tgt Ion:252 Resp: 14125

Ion	Ratio	Lower	Upper
252	100		
253	26.5	19.5	29.3
125	13.6	10.2	15.4

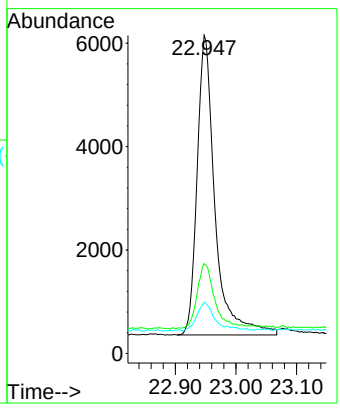




#39
Benzo(a)pyrene
Concen: 0.396 ng
RT: 22.947 min Scan# 25
Delta R.T. -0.003 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Tgt Ion:252 Resp: 11859

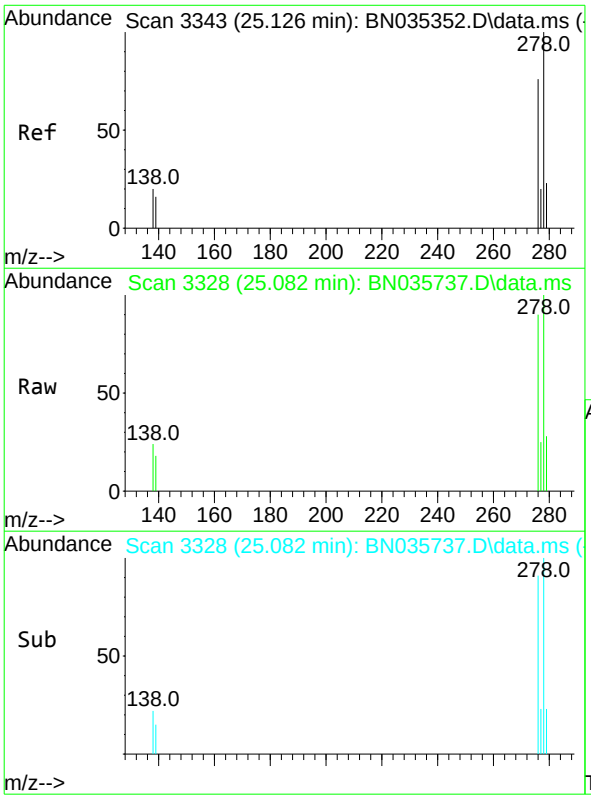
Ion	Ratio	Lower	Upper
252	100		
253	28.2	20.2	30.4
125	16.1	10.9	16.3



Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210MS

Manual Integrations
APPROVED

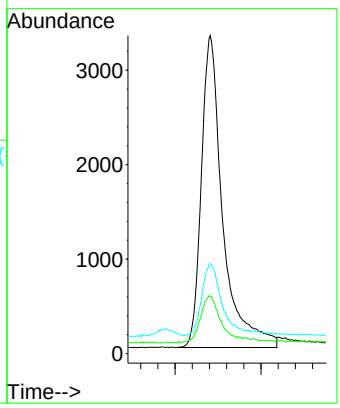
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

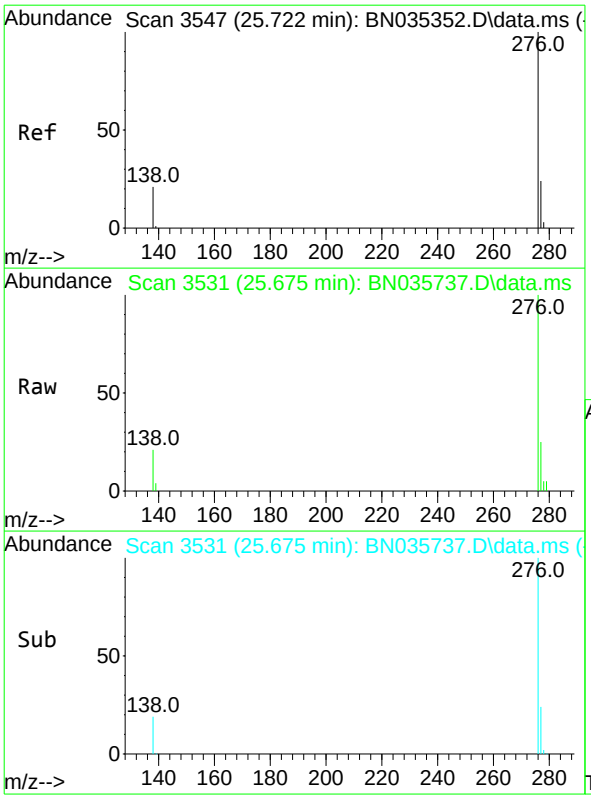


#40
Dibenzo(a,h)anthracene
Concen: 0.373 ng
RT: 25.082 min Scan# 3328
Delta R.T. -0.000 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Tgt Ion:278 Resp: 11425

Ion	Ratio	Lower	Upper
278	100		
139	17.8	14.2	21.4
279	28.4	20.5	30.7

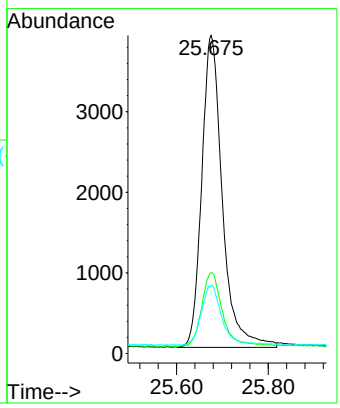




#41
Benzo(g,h,i)perylene
Concen: 0.377 ng
RT: 25.675 min Scan# 35
Delta R.T. -0.003 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Tgt Ion:276 Resp: 12077

Ion	Ratio	Lower	Upper
276	100		
277	25.4	19.9	29.9
138	21.4	17.8	26.8



Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210MS

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/10/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/11/24
Client Sample ID:	RE125D1-20241210MSD	SDG No.:	P5261
Lab Sample ID:	P5261-14MSD	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035738.D	1	12/12/24 10:30	12/20/24 12:53	PB165596

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	5.20	E	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.39		30 - 150		97%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.42		30 - 150		104%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.42		55 - 111		105%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.34		53 - 106		85%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.59	*	58 - 132		147%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3270	7.272				
1146-65-2	Naphthalene-d8	9050	10.009				
15067-26-2	Acenaphthene-d10	5790	13.925				
1517-22-2	Phenanthrene-d10	11900	16.698				
1719-03-5	Chrysene-d12	10800	20.947				
1520-96-3	Perylene-d12	10800	23.038				

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_N\Data\BN121924\
Data File : BN035738.D
Acq On : 20 Dec 2024 12:53
Operator : RC/JU
Sample : P5261-14MSD
Misc :
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Dec 20 14:16:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210MSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/24/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.272	152	3265	0.400	ng		0.00
7) Naphthalene-d8	10.009	136	9048	0.400	ng		-0.01
13) Acenaphthene-d10	13.925	164	5785	0.400	ng		-0.01
19) Phenanthrene-d10	16.698	188	11929	0.400	ng	#	0.00
29) Chrysene-d12	20.947	240	10838	0.400	ng	#	0.00
35) Perylene-d12	23.038	264	10844	0.400	ng	#	0.00
System Monitoring Compounds							
4) 2-Fluorophenol	4.939	112	965	0.118	ng		0.00
5) Phenol-d6	6.484	99	622	0.063	ng		0.00
8) Nitrobenzene-d5	8.408	82	2319m	0.420	ng		0.00
11) 2-Methylnaphthalene-d10	11.616	152	5529	0.390	ng		0.00
14) 2,4,6-Tribromophenol	15.453	330	891	0.217	ng		0.00
15) 2-Fluorobiphenyl	12.534	172	7466	0.341	ng		-0.01
27) Fluoranthene-d10	18.757	212	14112	0.417	ng		0.00
31) Terphenyl-d14	19.389	244	12561	0.588	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.982	88	16269	5.212	ng		98
3) n-Nitrosodimethylamine	3.278	42	392	0.151	ng	#	94
6) bis(2-Chloroethyl)ether	6.723	93	2782	0.337	ng		98
9) Naphthalene	10.063	128	7939	0.333	ng		100
10) Hexachlorobutadiene	10.351	225	1767	0.321	ng	#	99
12) 2-Methylnaphthalene	11.692	142	5459	0.320	ng		99
16) Acenaphthylene	13.636	152	8595	0.354	ng		99
17) Acenaphthene	13.989	154	5666	0.351	ng		97
18) Fluorene	14.994	166	7419	0.321	ng		100
20) 4,6-Dinitro-2-methylph...	15.111	198	201	0.171	ng	#	1
21) 4-Bromophenyl-phenylether	15.904	248	2391	0.343	ng	#	82
22) Hexachlorobenzene	16.003	284	3241	0.396	ng		96
23) Atrazine	16.202	200	2057	0.414	ng		96
24) Pentachlorophenol	16.363	266	2674	0.750	ng	#	86
25) Phenanthrene	16.736	178	12435	0.380	ng		99
26) Anthracene	16.835	178	11234	0.379	ng		99
28) Fluoranthene	18.789	202	15609	0.353	ng		100
30) Pyrene	19.156	202	16643	0.416	ng		99
32) Benzo(a)anthracene	20.938	228	14262	0.376	ng		99
33) Chrysene	20.983	228	15526	0.397	ng		99
34) Bis(2-ethylhexyl)phtha...	20.902	149	13398	0.895	ng		98
36) Indeno(1,2,3-cd)pyrene	25.064	276	16365	0.386	ng		97
37) Benzo(b)fluoranthene	22.427	252	26576	0.670	ng		98
38) Benzo(k)fluoranthene	22.468	252	15174	0.389	ng		97
39) Benzo(a)pyrene	22.950	252	13047	0.399	ng		95
40) Dibenzo(a,h)anthracene	25.085	278	12476	0.373	ng		97
41) Benzo(g,h,i)perylene	25.675	276	13349	0.382	ng		98

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

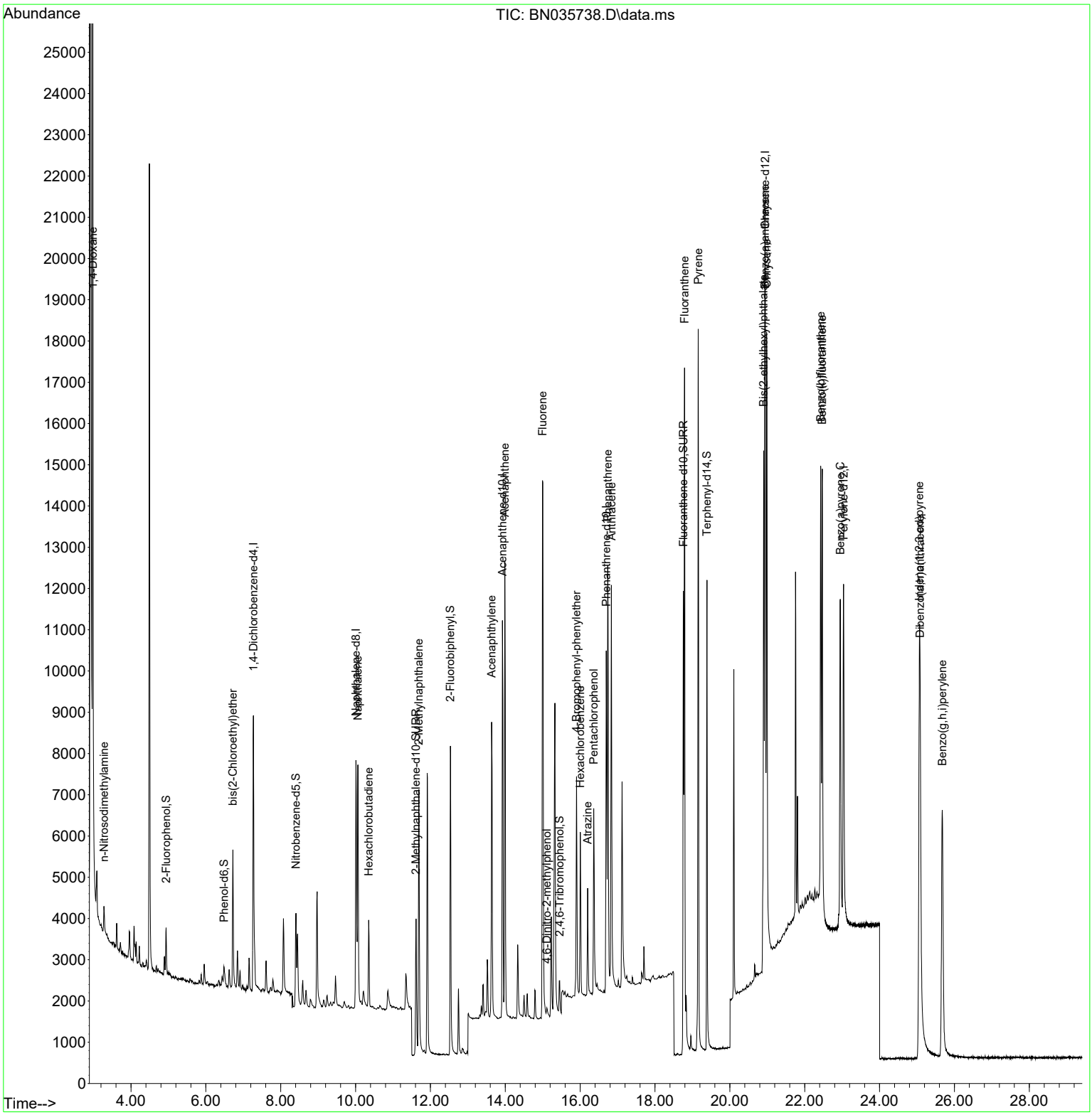
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035738.D
Acq On : 20 Dec 2024 12:53
Operator : RC/JU
Sample : P5261-14MSD
Misc :
ALS Vial : 29 Sample Multiplier: 1

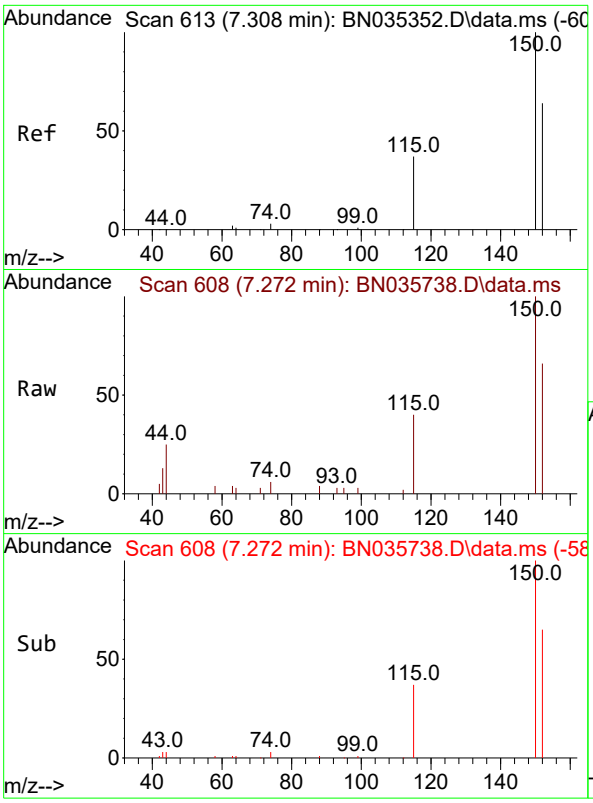
Quant Time: Dec 20 14:16:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210MSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/24/2024

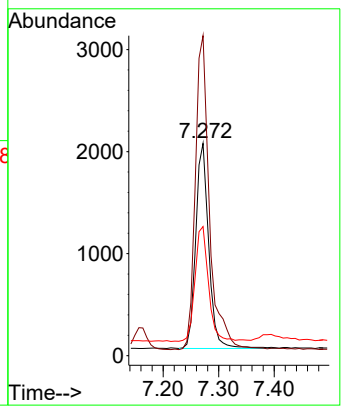




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.272 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Tgt Ion:152 Resp: 326

Ion	Ratio	Lower	Upper
152	100		
150	150.7	124.0	186.0
115	60.8	49.6	74.4



Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210MSD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/24/2024
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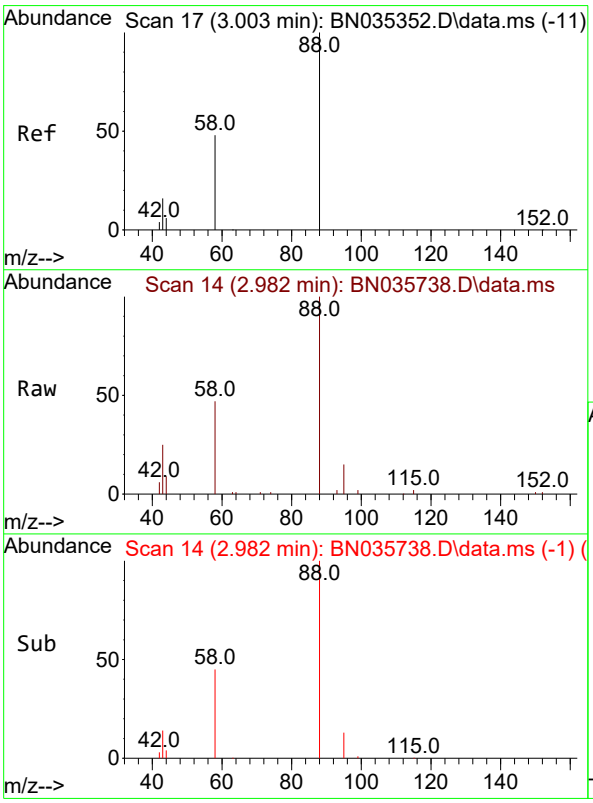
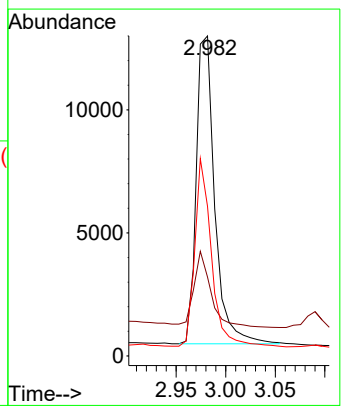
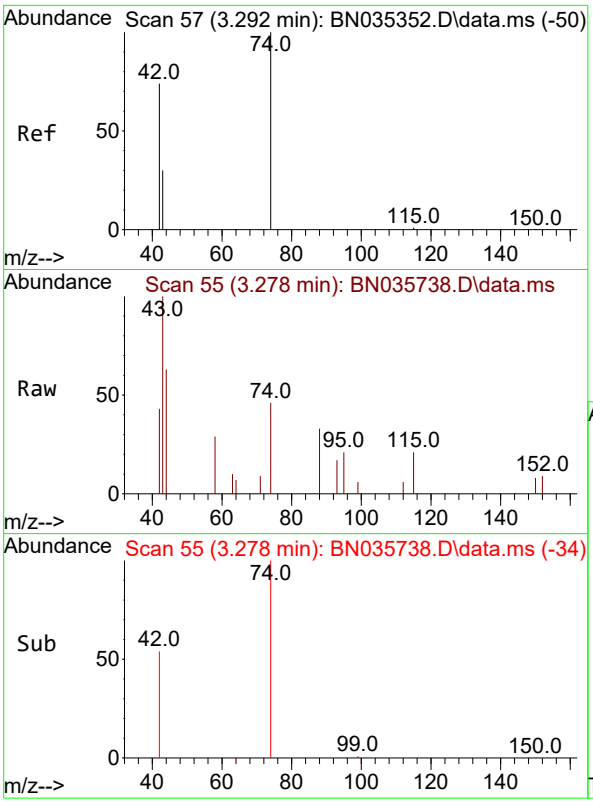


#2
1,4-Dioxane
Concen: 5.212 ng
RT: 2.982 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Tgt Ion: 88 Resp: 16269

Ion	Ratio	Lower	Upper
88	100		
43	22.7	17.2	25.8
58	54.5	44.5	66.7

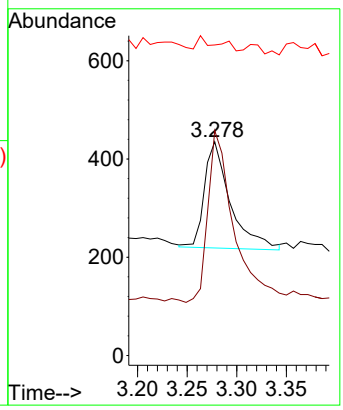




#3
n-Nitrosodimethylamine
Concen: 0.151 ng
RT: 3.278 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Tgt Ion: 42 Resp: 39

Ion	Ratio	Lower	Upper
42	100		
74	163.8	124.9	187.3
44	5.1	2.2	3.4



Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210MSD

Manual Integrations
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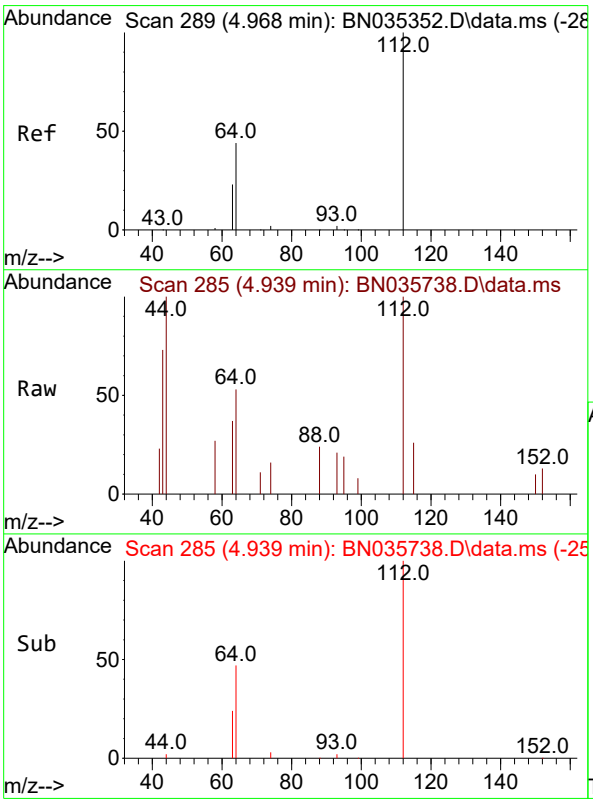
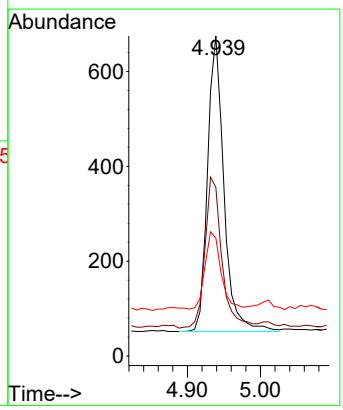
Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/24/2024

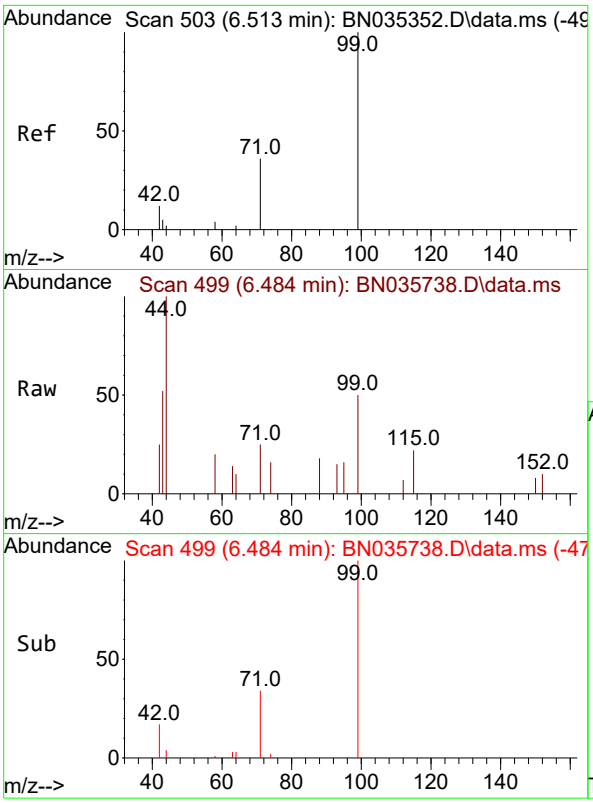


#4
2-Fluorophenol
Concen: 0.118 ng
RT: 4.939 min Scan# 285
Delta R.T. -0.000 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Tgt Ion:112 Resp: 965

Ion	Ratio	Lower	Upper
112	100		
64	52.7	39.8	59.8
63	26.4	21.0	31.6

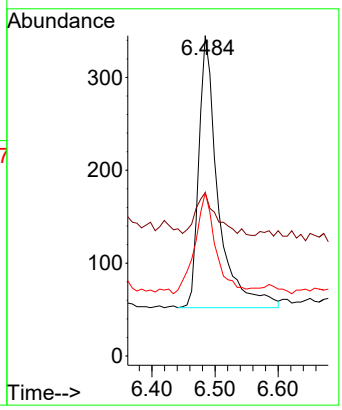




#5
Phenol-d6
Concen: 0.063 ng
RT: 6.484 min Scan# 4
Delta R.T. -0.007 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Tgt Ion: 99 Resp: 62

Ion	Ratio	Lower	Upper
99	100		
42	16.7	11.4	17.2
71	40.8	29.3	43.9



Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210MSD

Manual Integrations
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Reviewed By :Yogesh Patel 12/24/2024
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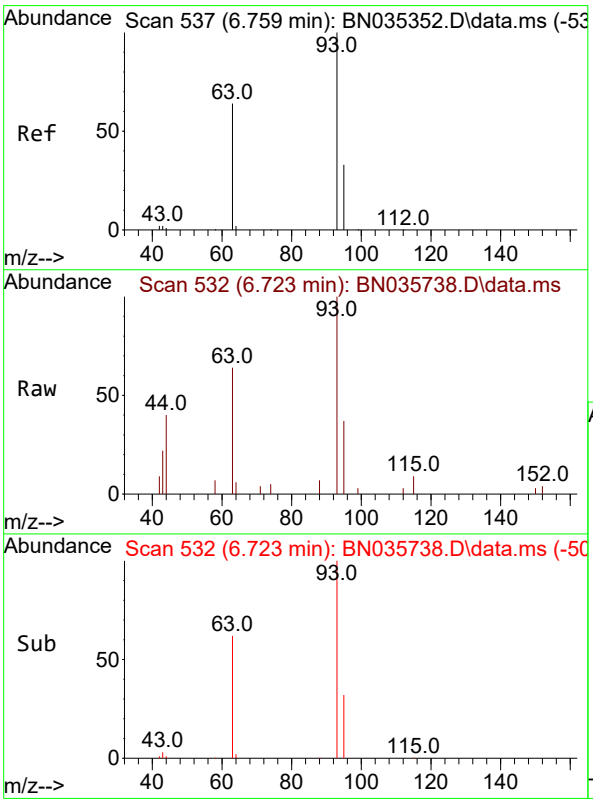
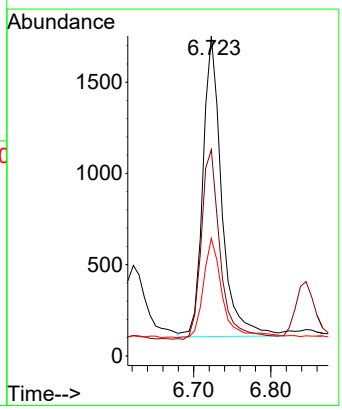
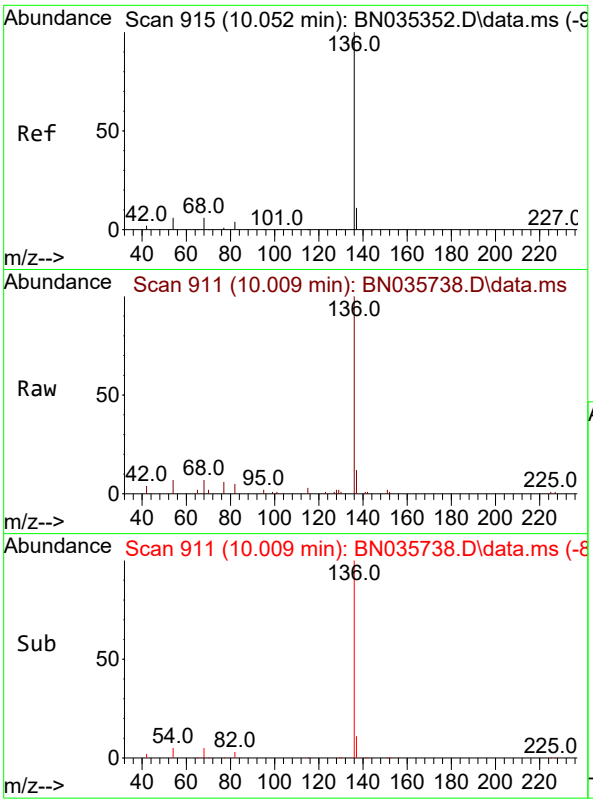


#6
bis(2-Chloroethyl)ether
Concen: 0.337 ng
RT: 6.723 min Scan# 532
Delta R.T. -0.007 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Tgt Ion: 93 Resp: 2782

Ion	Ratio	Lower	Upper
93	100		
63	63.8	50.4	75.6
95	33.9	25.7	38.5

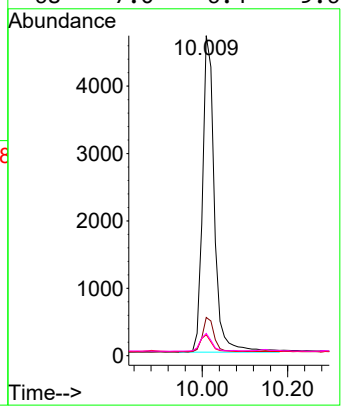




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.009 min Scan# 9
Delta R.T. -0.011 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Tgt Ion:136 Resp: 904

Ion	Ratio	Lower	Upper
136	100		
137	12.0	10.2	15.2
54	6.5	6.1	9.1
68	7.0	6.4	9.6



Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210MSD

Manual Integrations
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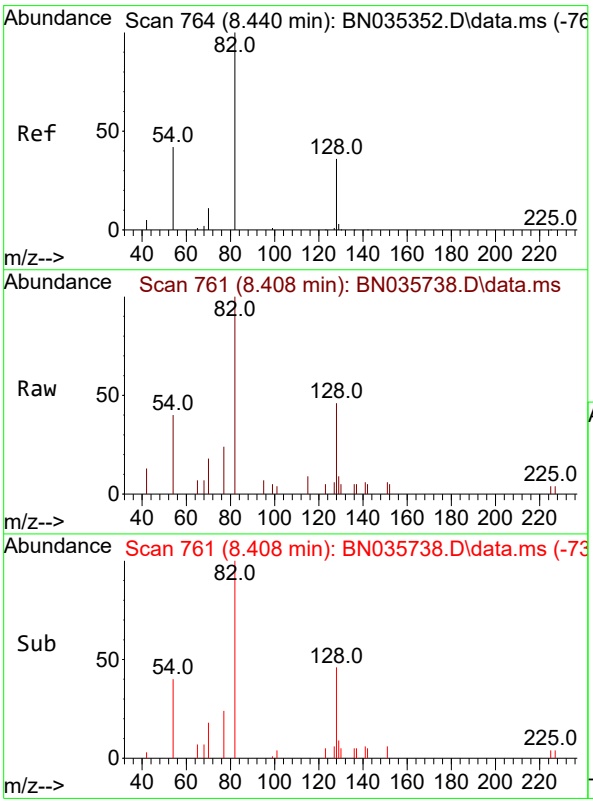
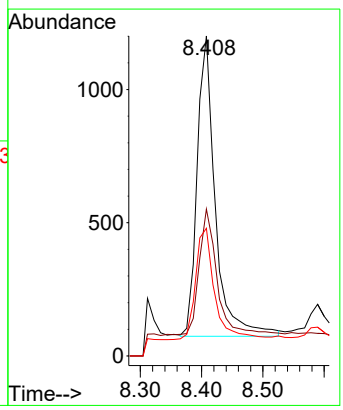
Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/24/2024

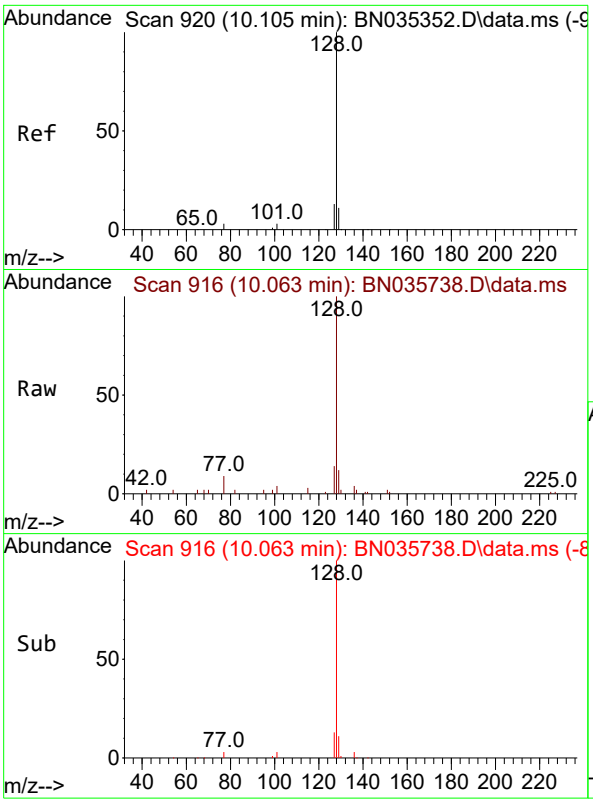


#8
Nitrobenzene-d5
Concen: 0.420 ng m
RT: 8.408 min Scan# 761
Delta R.T. -0.000 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Tgt Ion: 82 Resp: 2319

Ion	Ratio	Lower	Upper
82	100		
128	45.9	33.4	50.0
54	39.9	36.7	55.1

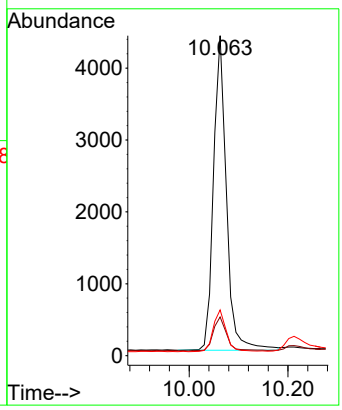




#9
Naphthalene
Concen: 0.333 ng
RT: 10.063 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Tgt Ion:128 Resp: 793

Ion	Ratio	Lower	Upper
128	100		
129	12.1	9.8	14.6
127	14.3	11.4	17.2



Instrument :
BNA_N
ClientSampleId :
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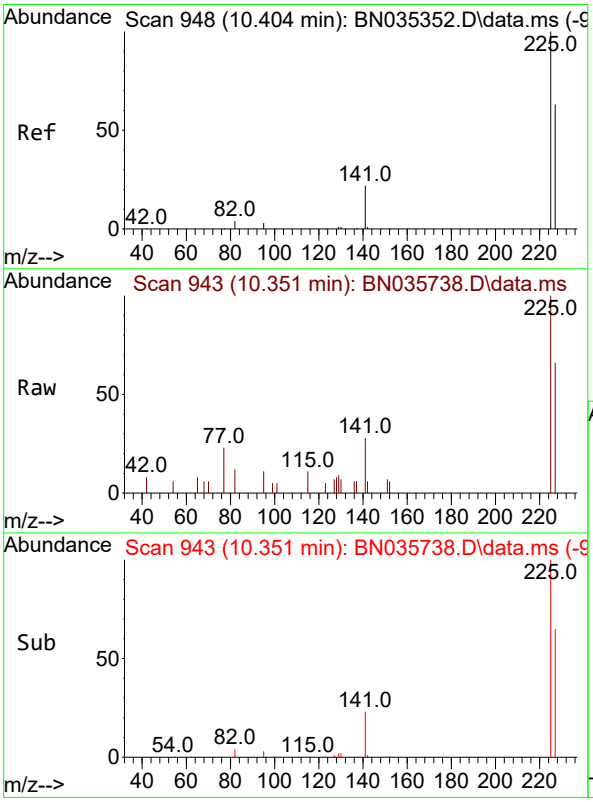
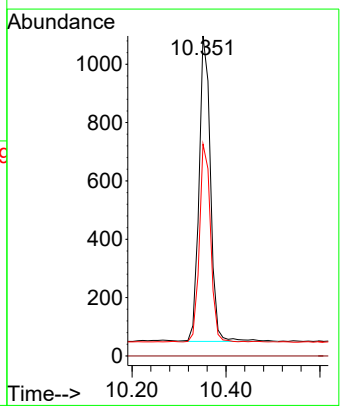
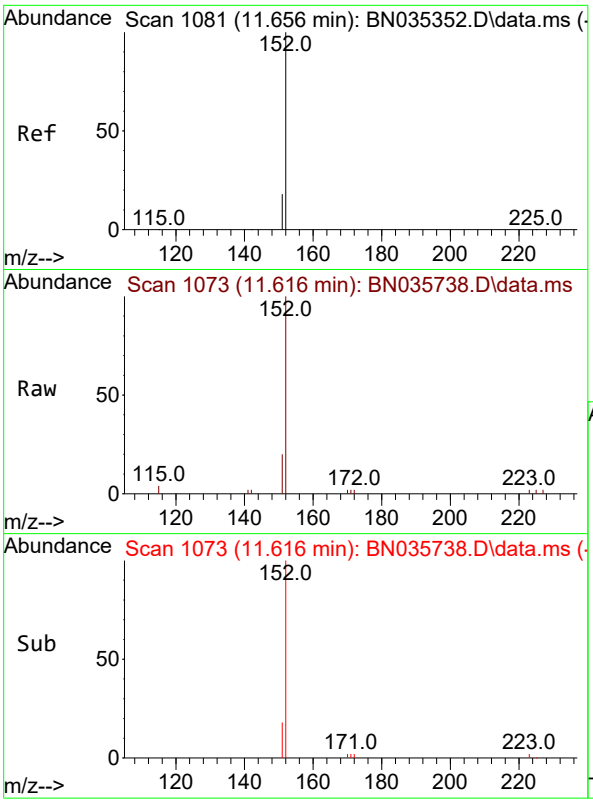


#10
Hexachlorobutadiene
Concen: 0.321 ng
RT: 10.351 min Scan# 943
Delta R.T. -0.011 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Tgt Ion:225 Resp: 1767

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.3	51.3	76.9

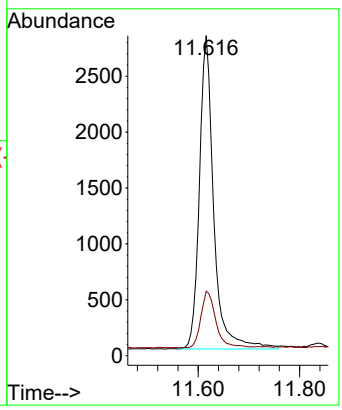




#11
2-Methylnaphthalene-d10
Concen: 0.390 ng
RT: 11.616 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Tgt Ion:152 Resp: 552

Ion	Ratio	Lower	Upper
152	100		
151	18.7	16.6	25.0



Instrument :
BNA_N
ClientSampleId :
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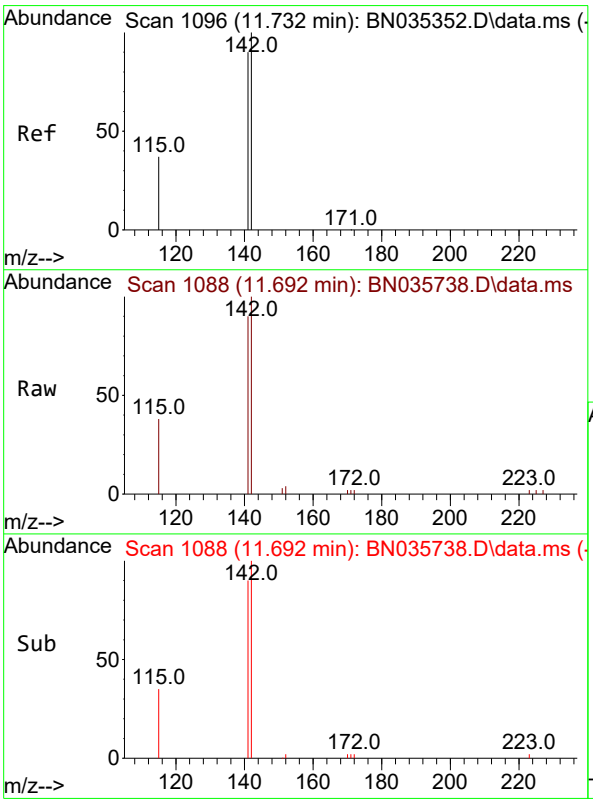
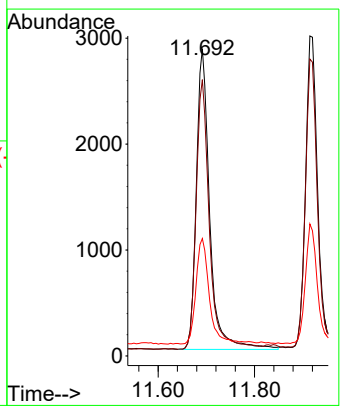
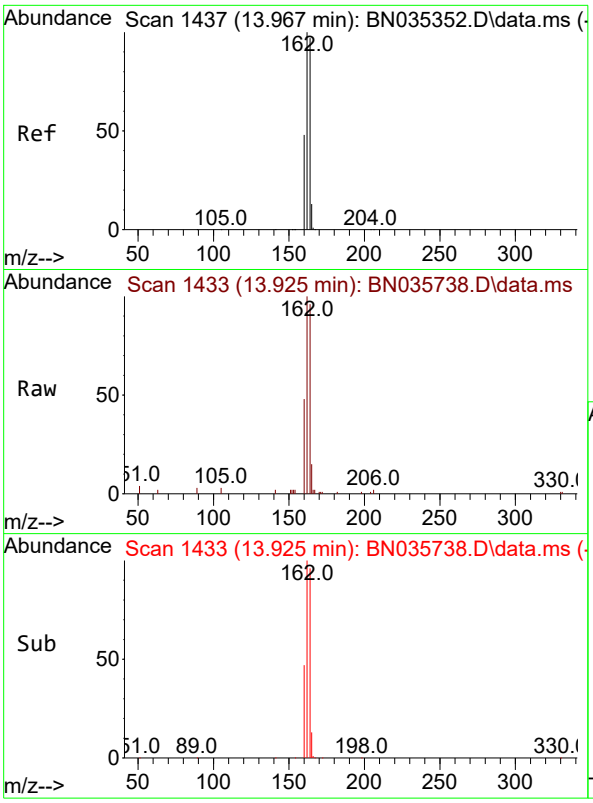


#12
2-Methylnaphthalene
Concen: 0.320 ng
RT: 11.692 min Scan# 1088
Delta R.T. -0.005 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Tgt Ion:142 Resp: 5459

Ion	Ratio	Lower	Upper
142	100		
141	89.9	72.2	108.4
115	38.2	31.4	47.0

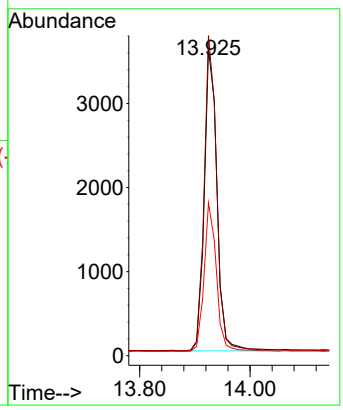




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.925 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Tgt Ion:164 Resp: 578

Ion	Ratio	Lower	Upper
164	100		
162	104.3	82.2	123.2
160	49.8	40.1	60.1



Instrument :
BNA_N
ClientSampleId :
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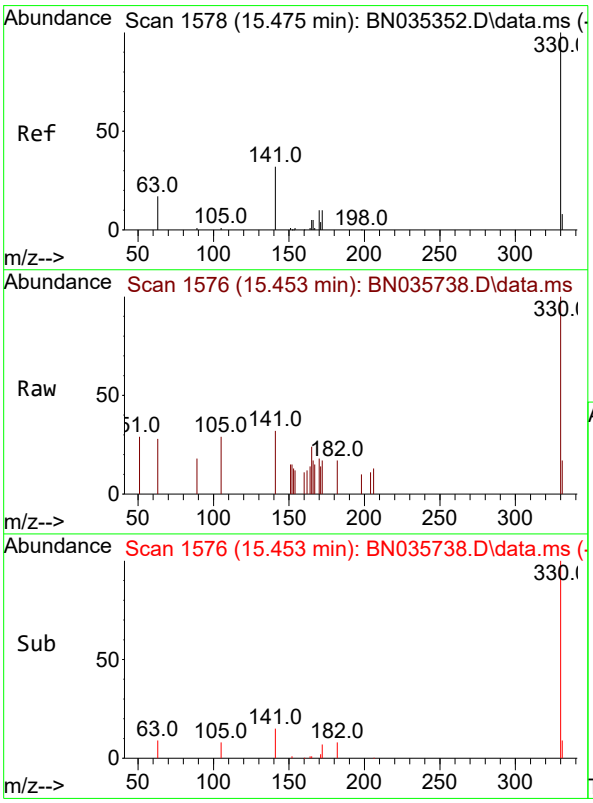
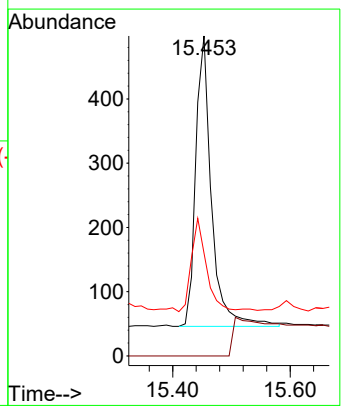
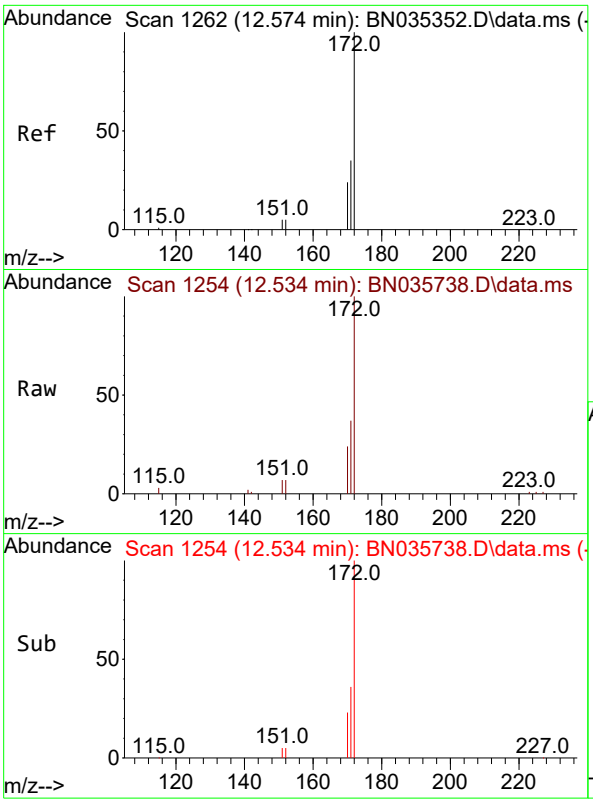


#14
2,4,6-Tribromophenol
Concen: 0.217 ng
RT: 15.453 min Scan# 1576
Delta R.T. -0.000 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Tgt Ion:330 Resp: 891

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	27.0	26.6	40.0

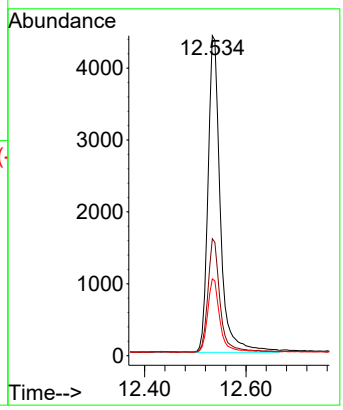




#15
2-Fluorobiphenyl
Concen: 0.341 ng
RT: 12.534 min Scan# 1
Delta R.T. -0.010 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Tgt Ion:172 Resp: 746

Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.0	43.4
170	24.0	19.8	29.8



Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210MSD

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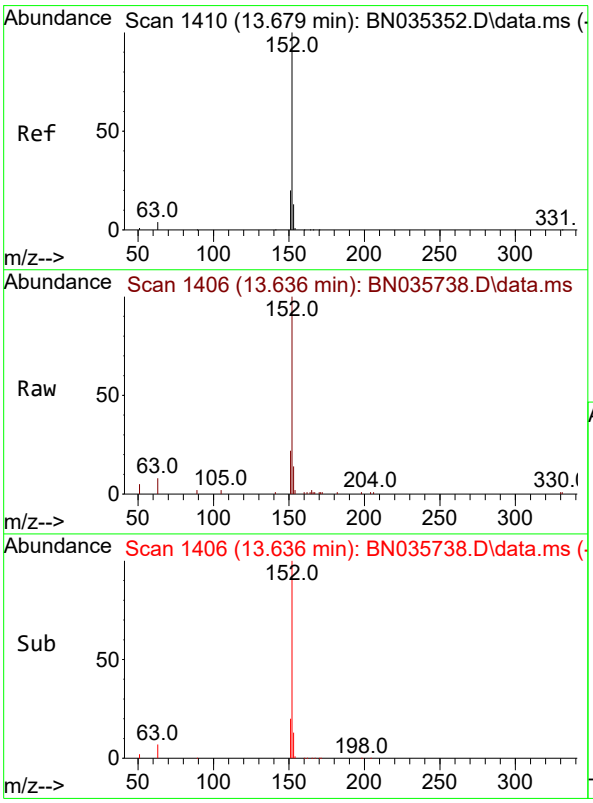
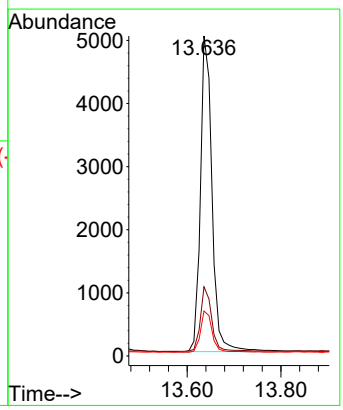
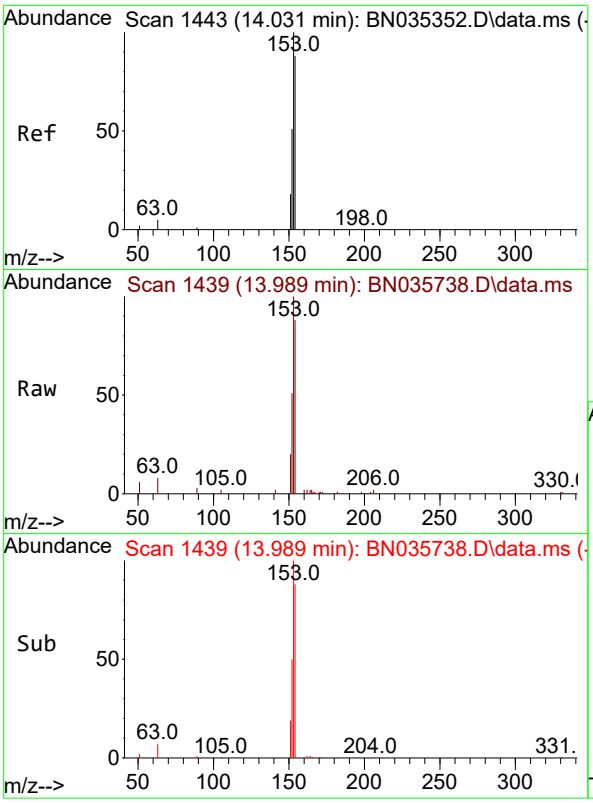


#16
Acenaphthylene
Concen: 0.354 ng
RT: 13.636 min Scan# 1406
Delta R.T. -0.011 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Tgt Ion:152 Resp: 8595

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.2	24.2
153	13.5	10.4	15.6

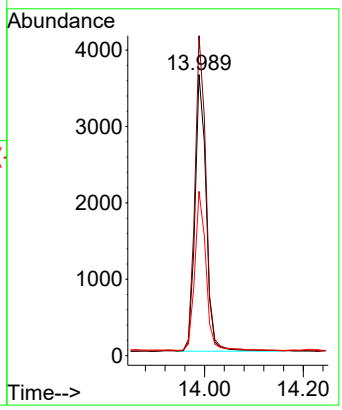




#17
Acenaphthene
Concen: 0.351 ng
RT: 13.989 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Tgt Ion:154 Resp: 566

Ion	Ratio	Lower	Upper
154	100		
153	113.7	92.6	139.0
152	57.3	49.0	73.6



Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210MSD

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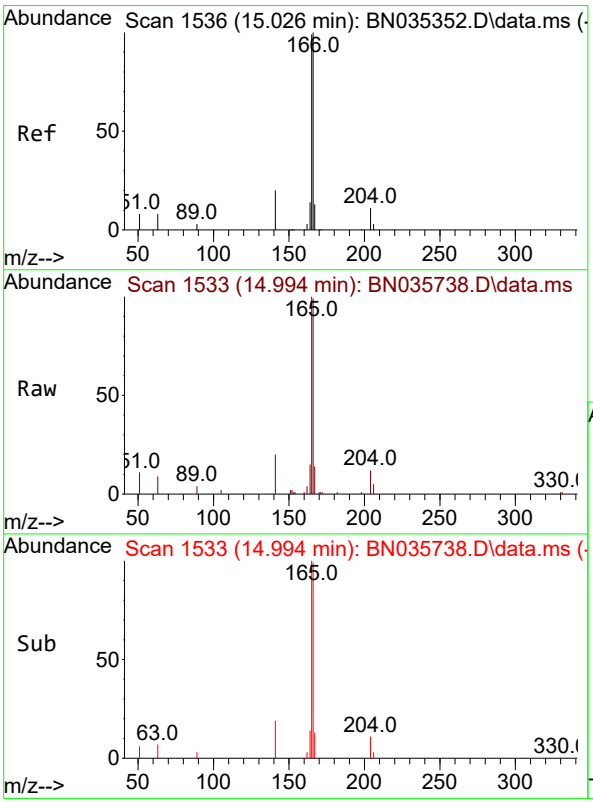
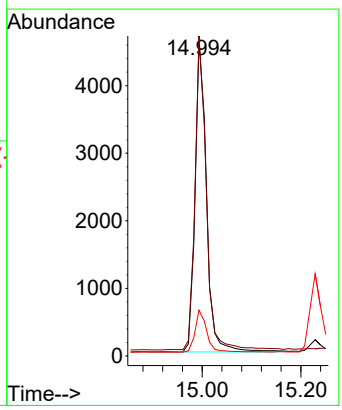
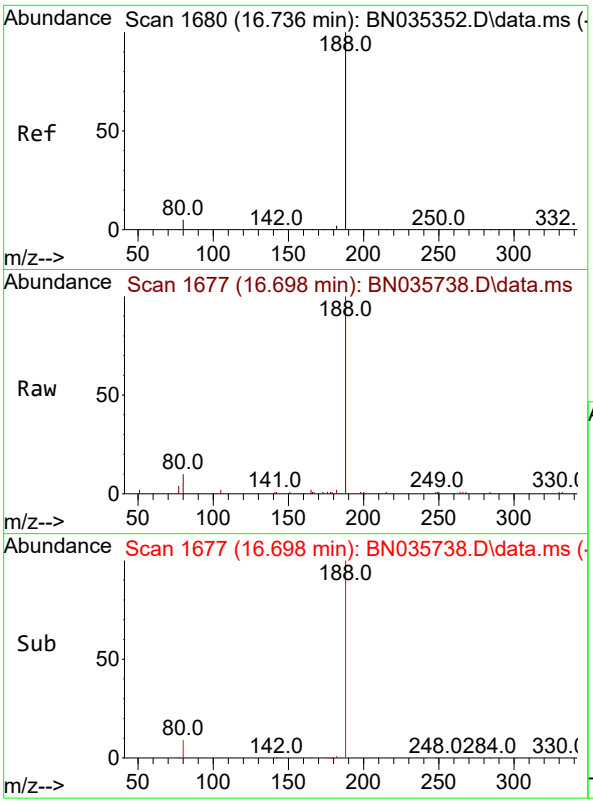


#18
Fluorene
Concen: 0.321 ng
RT: 14.994 min Scan# 1533
Delta R.T. -0.011 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Tgt Ion:166 Resp: 7419

Ion	Ratio	Lower	Upper
166	100		
165	99.4	79.7	119.5
167	13.7	10.8	16.2

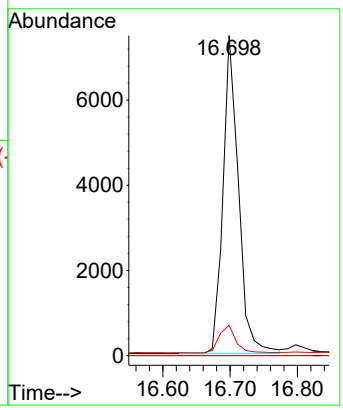




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.698 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Tgt Ion:188 Resp: 1192

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.5	4.6	6.8#



Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210MSD

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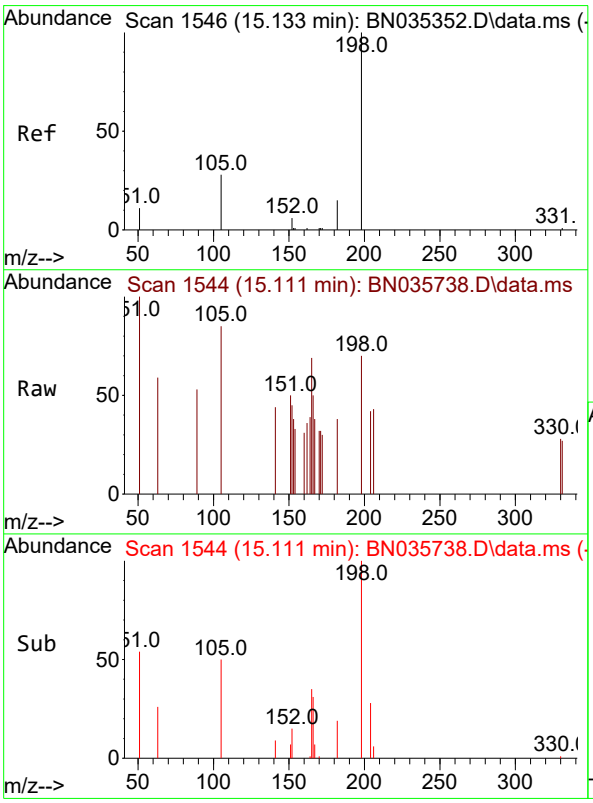
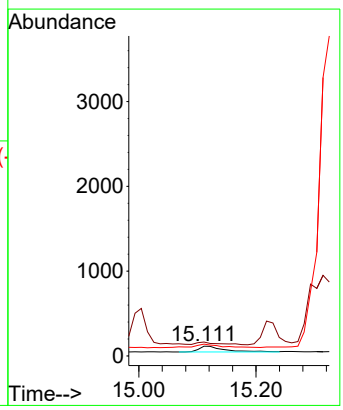
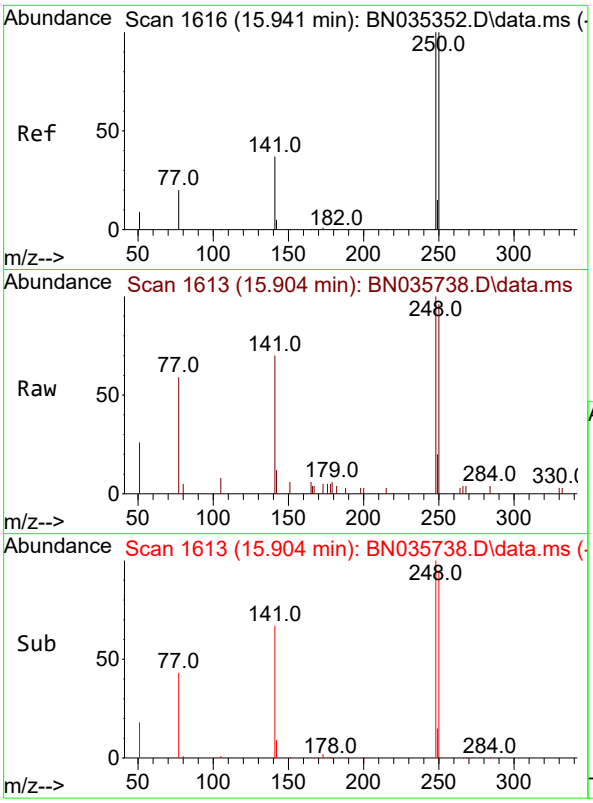


#20
4,6-Dinitro-2-methylphenol
Concen: 0.171 ng
RT: 15.111 min Scan# 1544
Delta R.T. -0.011 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Tgt Ion:198 Resp: 201

Ion	Ratio	Lower	Upper
198	100		
51	142.2	46.5	69.7#
105	120.7	45.3	67.9#

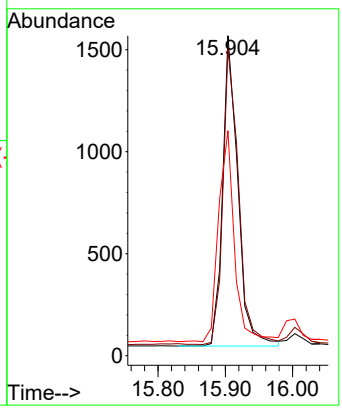




#21
4-Bromophenyl-phenylether
Concen: 0.343 ng
RT: 15.904 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Tgt Ion:248 Resp: 239

Ion	Ratio	Lower	Upper
248	100		
250	95.9	80.6	120.8
141	70.3	31.5	47.3



Instrument :
BNA_N
ClientSampleId :
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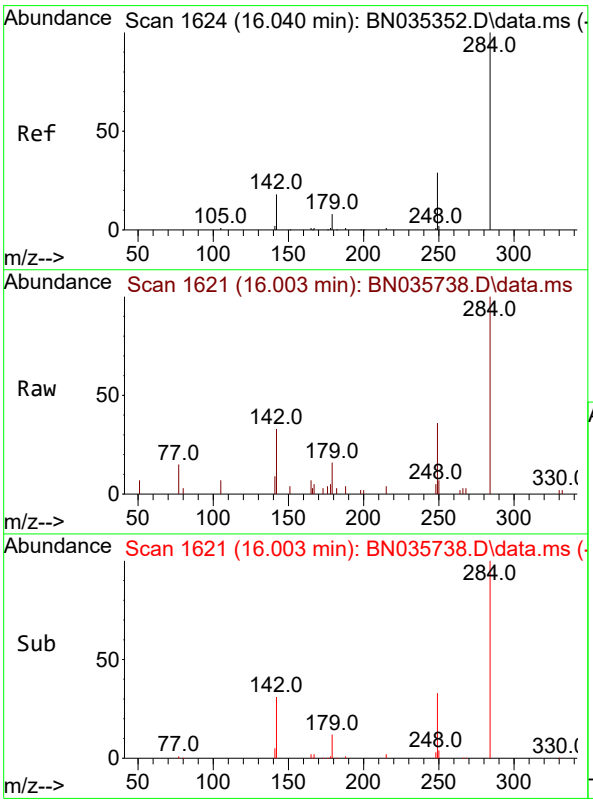
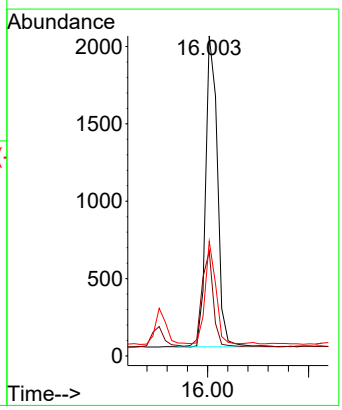
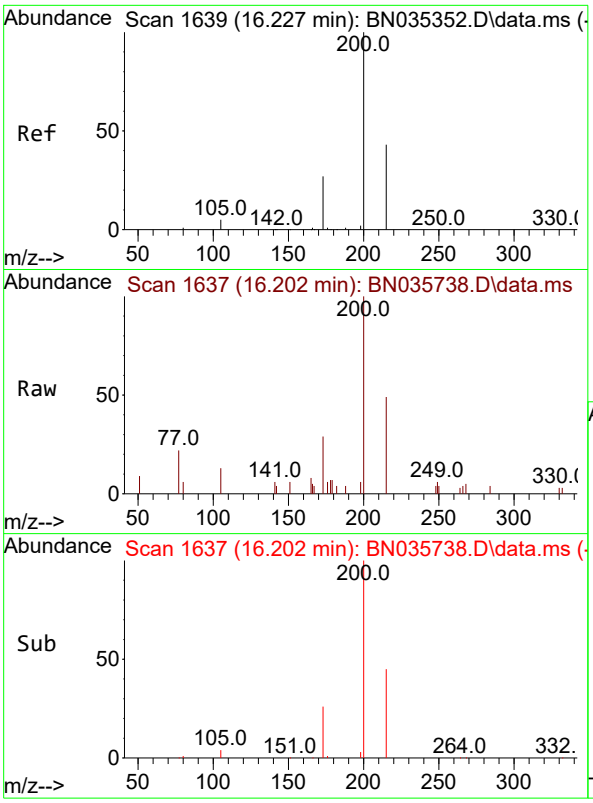


#22
Hexachlorobenzene
Concen: 0.396 ng
RT: 16.003 min Scan# 1621
Delta R.T. -0.012 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Tgt Ion:284 Resp: 3241

Ion	Ratio	Lower	Upper
284	100		
142	29.7	26.7	40.1
249	29.7	24.6	36.8

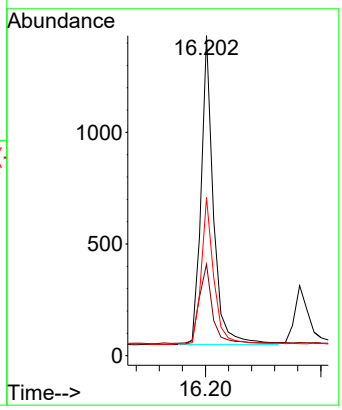




#23
Atrazine
Concen: 0.414 ng
RT: 16.202 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Tgt Ion:200 Resp: 205

Ion	Ratio	Lower	Upper
200	100		
173	28.6	24.1	36.1
215	49.4	36.9	55.3



Instrument :
BNA_N
ClientSampleId :
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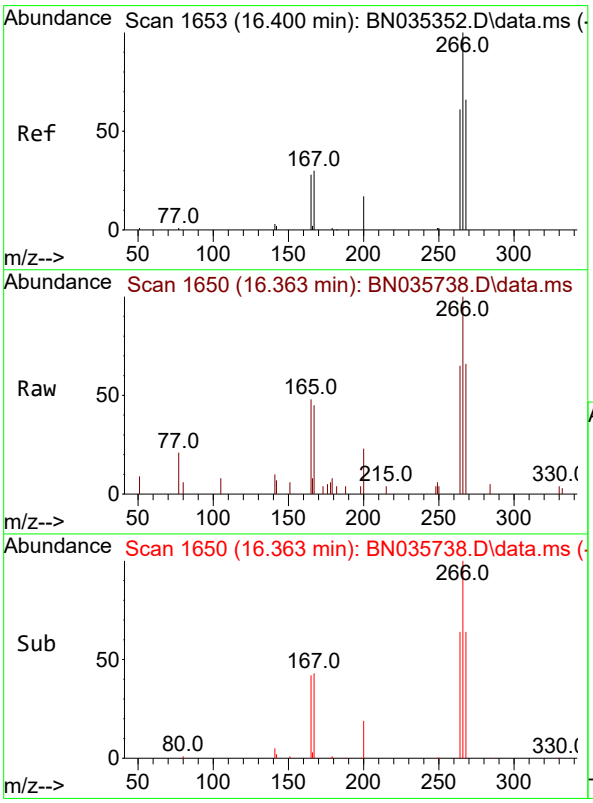
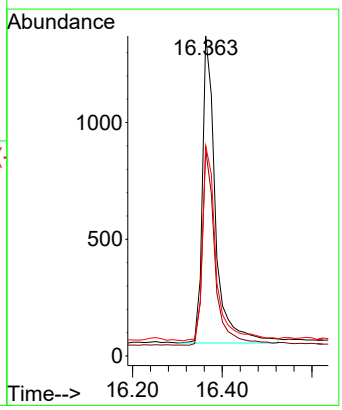
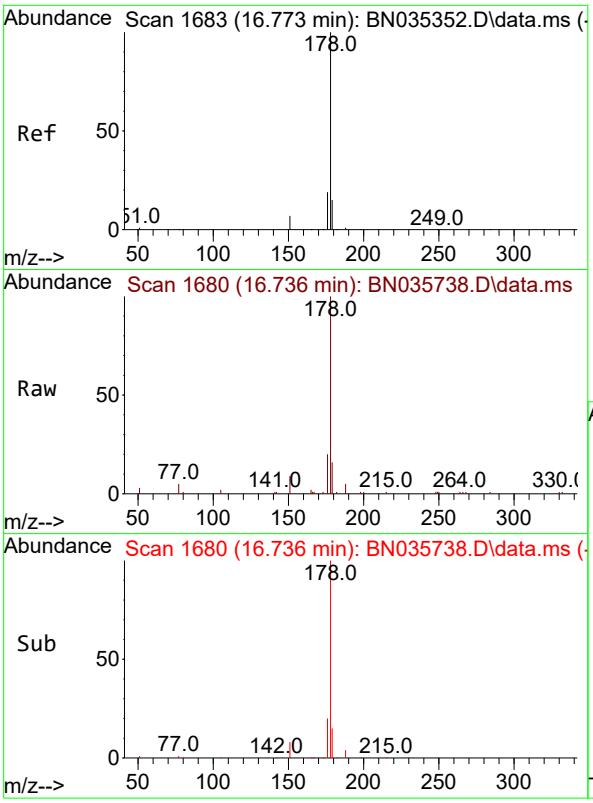


#24
Pentachlorophenol
Concen: 0.750 ng
RT: 16.363 min Scan# 1650
Delta R.T. -0.012 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Tgt Ion:266 Resp: 2674

Ion	Ratio	Lower	Upper
266	100		
264	61.7	42.3	63.5
268	65.8	43.3	64.9#

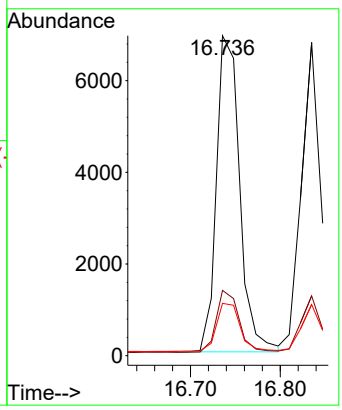




#25
Phenanthrene
Concen: 0.380 ng
RT: 16.736 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Tgt Ion:178 Resp: 1243

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	15.8	12.3	18.5



Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210MSD

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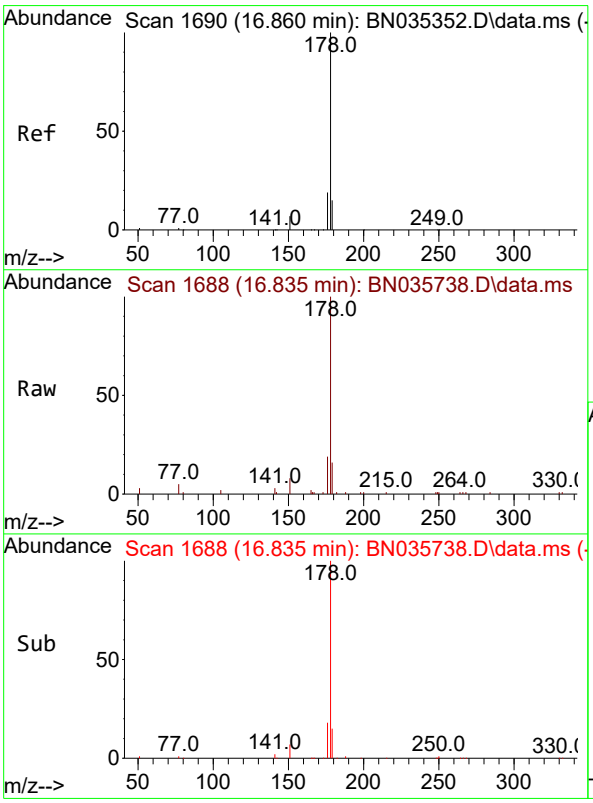
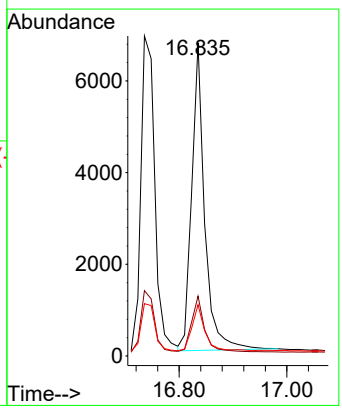
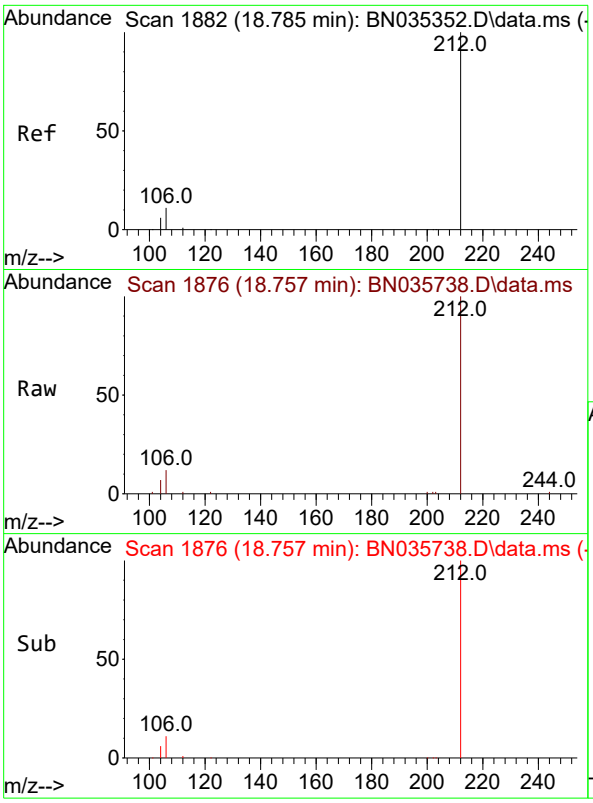


#26
Anthracene
Concen: 0.379 ng
RT: 16.835 min Scan# 1688
Delta R.T. -0.000 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Tgt Ion:178 Resp: 11234

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.0	22.6
179	14.9	12.6	18.8

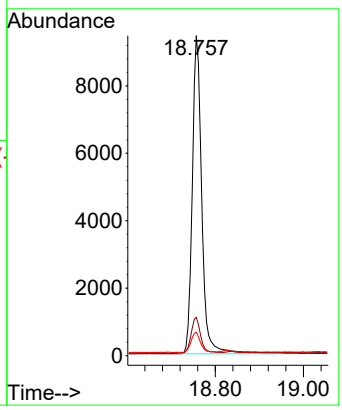




#27
Fluoranthene-d10
Concen: 0.417 ng
RT: 18.757 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Tgt Ion:212 Resp: 1411

Ion	Ratio	Lower	Upper
212	100		
106	11.2	9.2	13.8
104	6.3	5.3	7.9



Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210MSD

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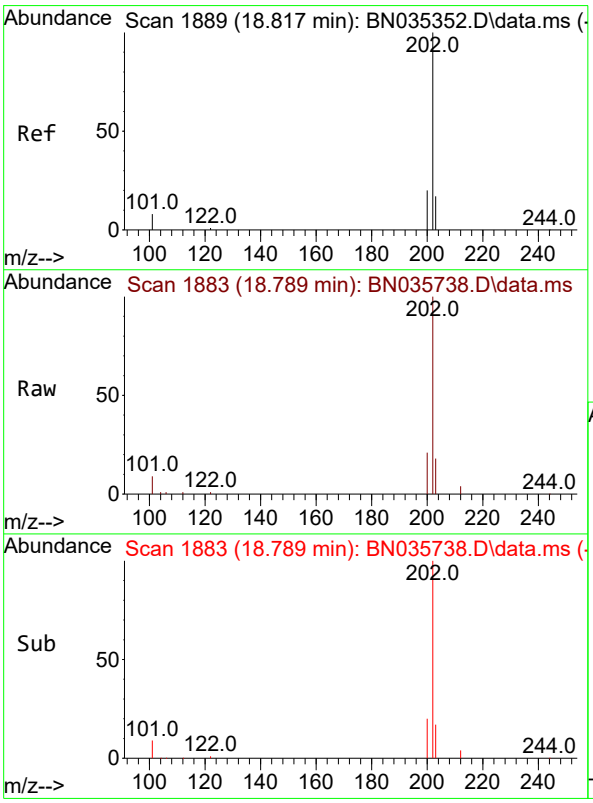
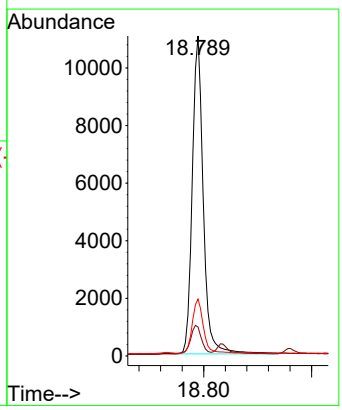
Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/24/2024

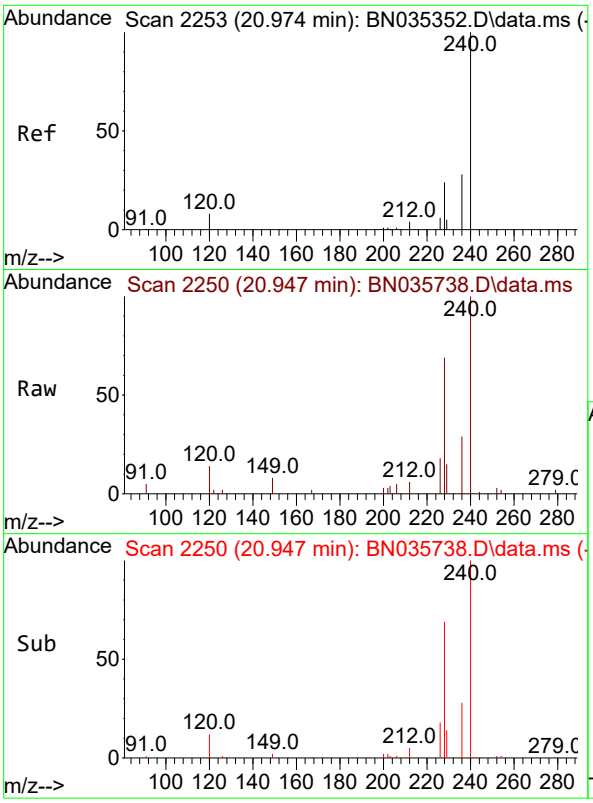


#28
Fluoranthene
Concen: 0.353 ng
RT: 18.789 min Scan# 1883
Delta R.T. -0.000 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Tgt Ion:202 Resp: 15609

Ion	Ratio	Lower	Upper
202	100		
101	9.5	7.4	11.0
203	17.1	13.7	20.5





#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.947 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Tgt Ion:240 Resp: 1083

Ion	Ratio	Lower	Upper
240	100		
120	14.0	7.9	11.9
236	29.0	22.9	34.3

Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210MSD

Manual Integrations
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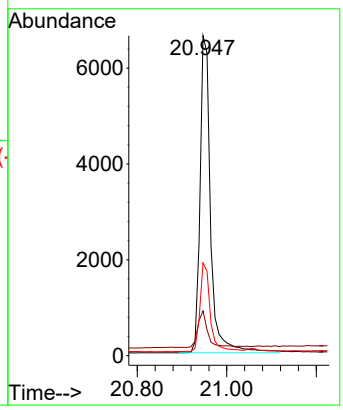
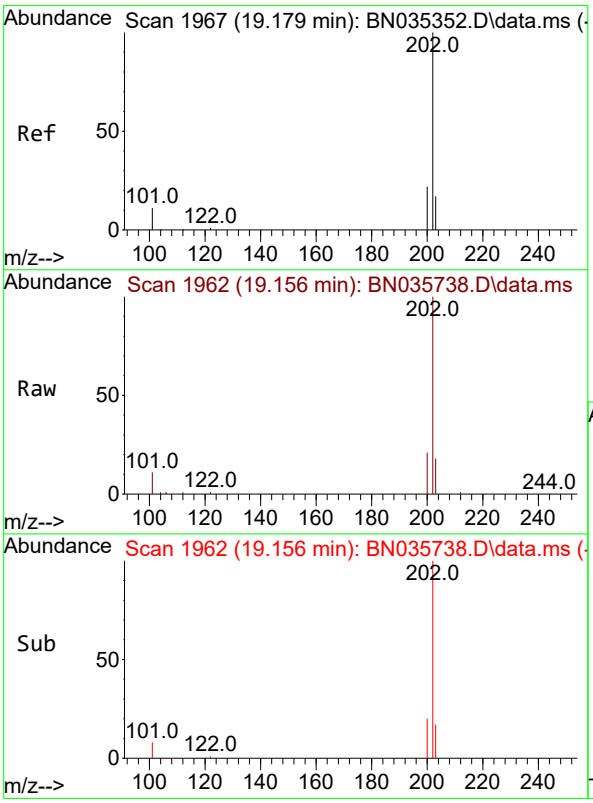
Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/24/2024

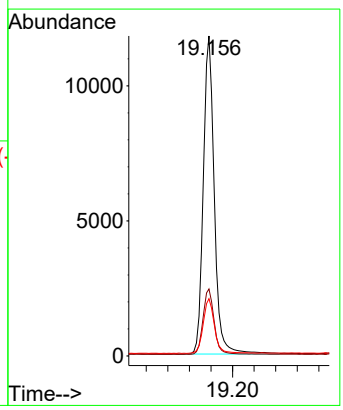


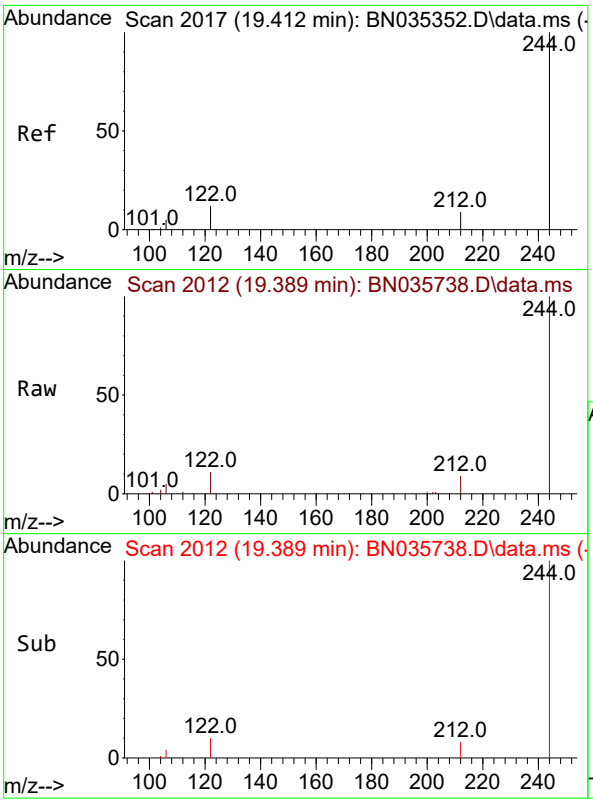


#30
Pyrene
Concen: 0.416 ng
RT: 19.156 min Scan# 1962
Delta R.T. -0.005 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Tgt Ion:202 Resp: 16643

Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.0	25.4
203	17.6	14.3	21.5

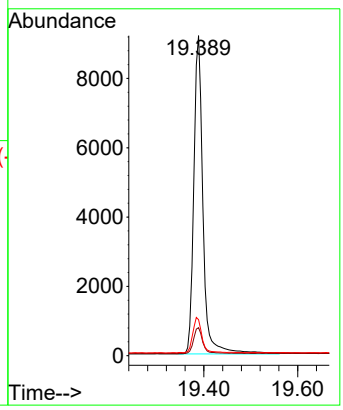




#31
Terphenyl-d14
Concen: 0.588 ng
RT: 19.389 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Tgt Ion:244 Resp: 1256

Ion	Ratio	Lower	Upper
244	100		
212	8.8	8.1	12.1
122	11.3	10.3	15.5



Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210MSD

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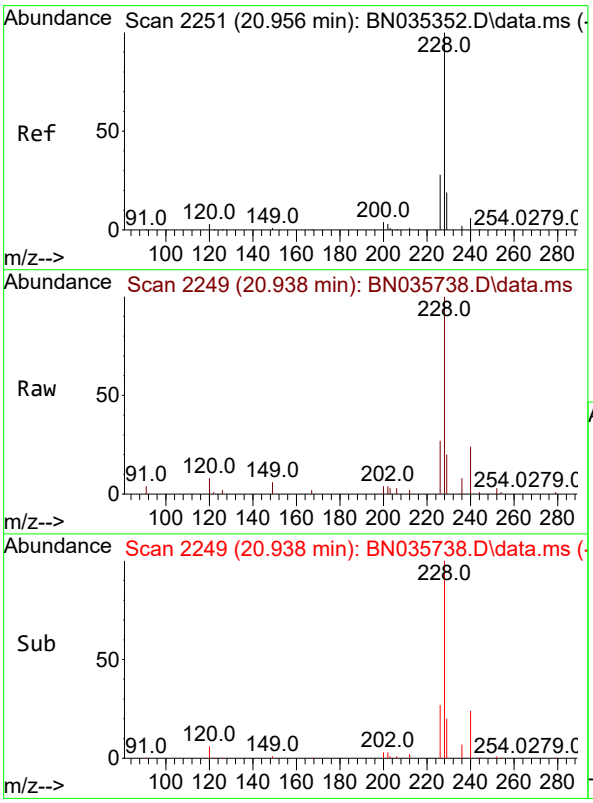
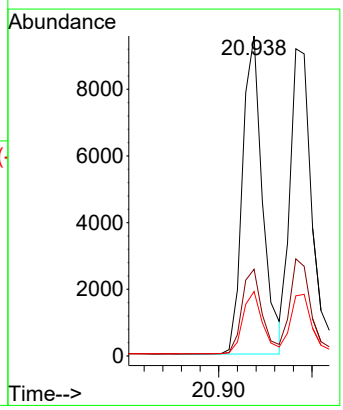
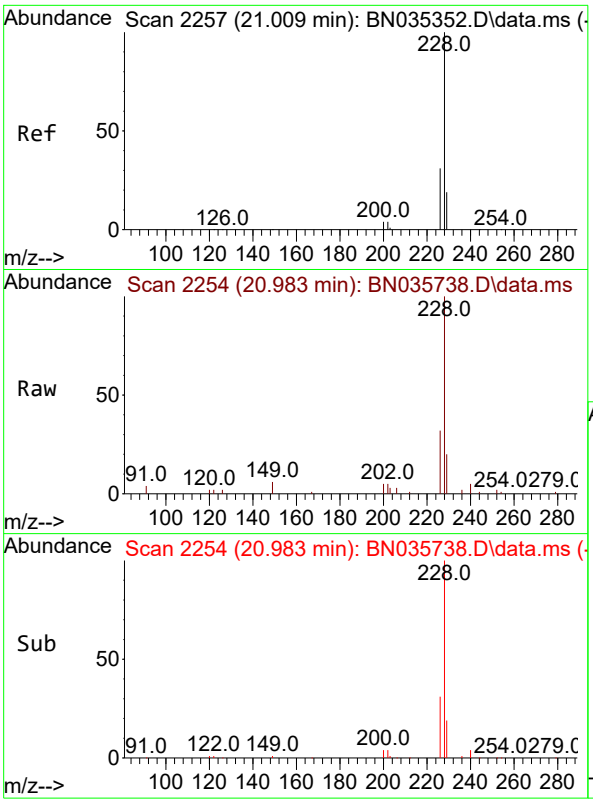


#32
Benzo(a)anthracene
Concen: 0.376 ng
RT: 20.938 min Scan# 2249
Delta R.T. -0.000 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Tgt Ion:228 Resp: 14262

Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.5	33.7
229	20.1	15.8	23.8

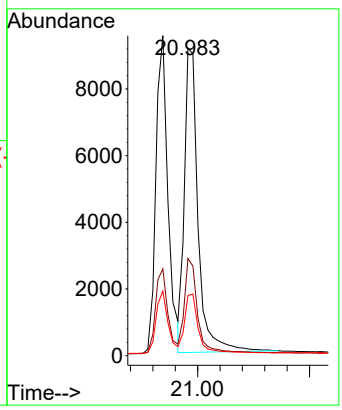




#33
Chrysene
Concen: 0.397 ng
RT: 20.983 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Tgt Ion:228 Resp: 1552

Ion	Ratio	Lower	Upper
228	100		
226	31.6	24.6	37.0
229	19.6	15.9	23.9



Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210MSD

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Reviewed By :Yogesh Patel 12/24/2024
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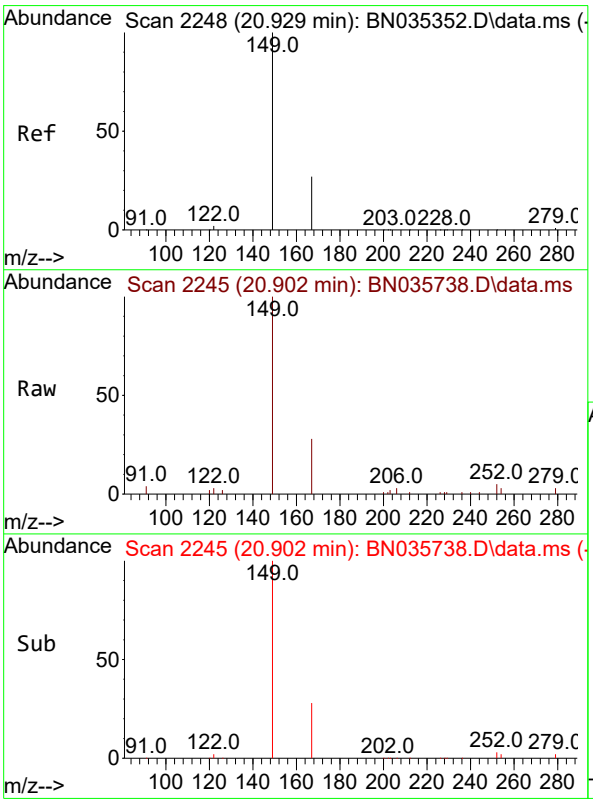
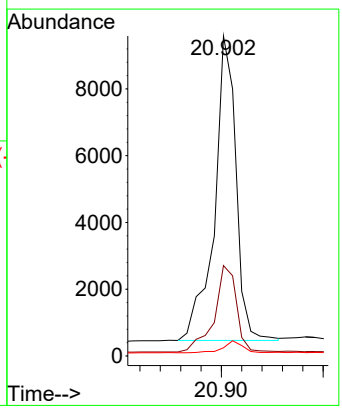
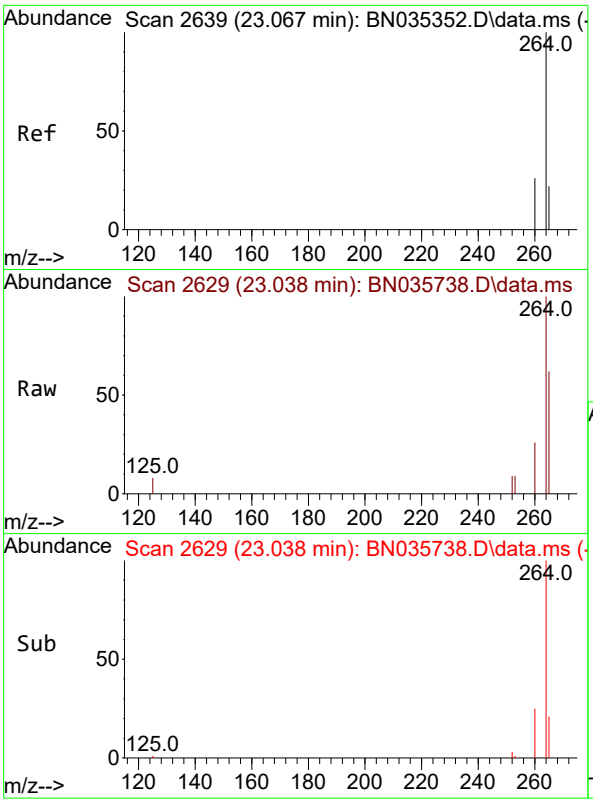


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.895 ng
RT: 20.902 min Scan# 2245
Delta R.T. -0.009 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Tgt Ion:149 Resp: 13398

Ion	Ratio	Lower	Upper
149	100		
167	29.2	22.2	33.4
279	3.5	2.7	4.1

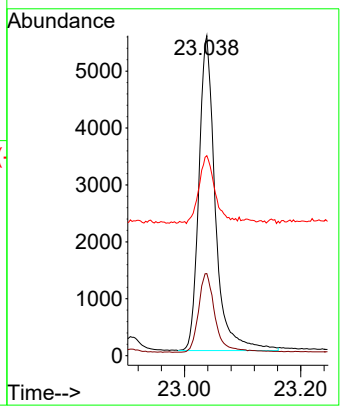




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.038 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Tgt Ion:264 Resp: 1084

Ion	Ratio	Lower	Upper
264	100		
260	25.6	21.4	32.2
265	62.5	40.2	60.4



Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210MSD

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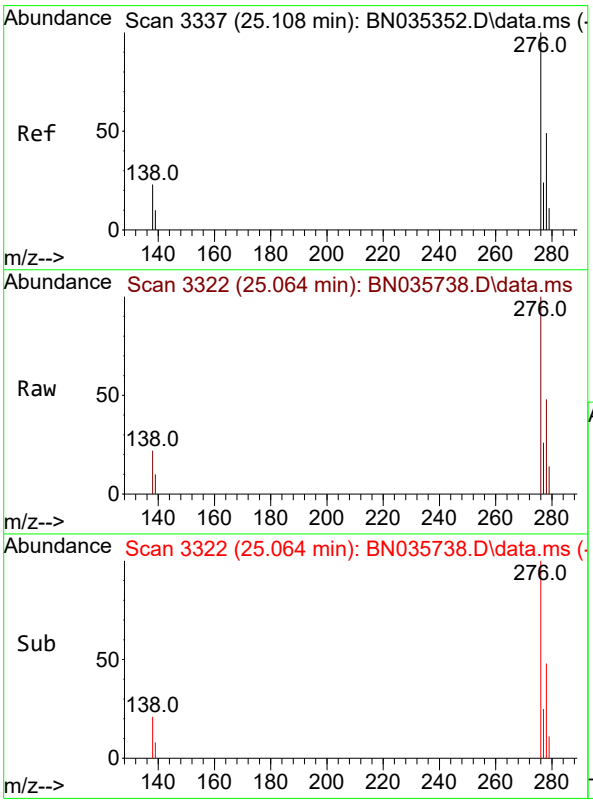
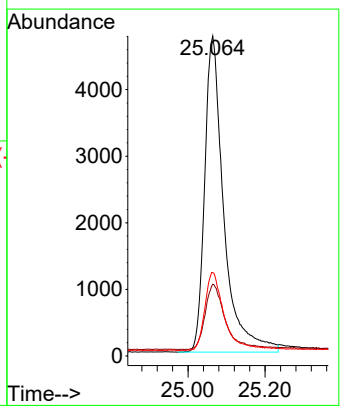
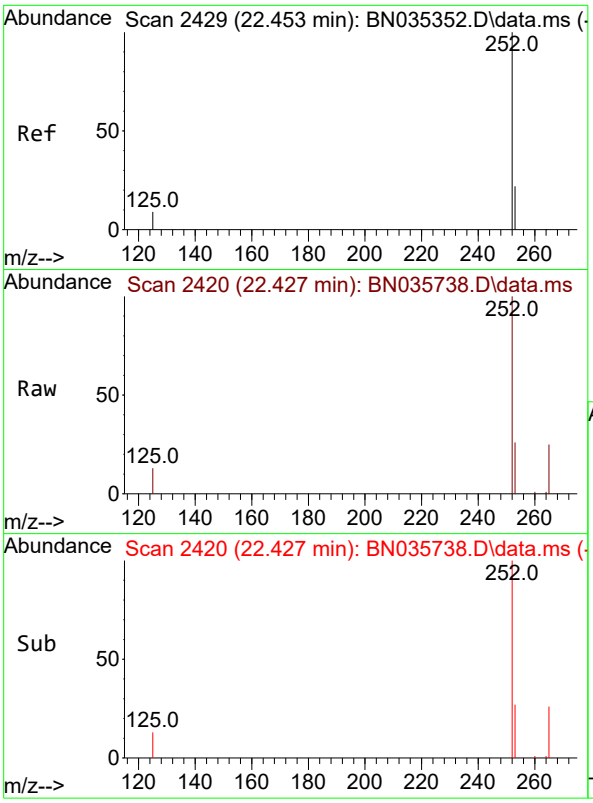


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.386 ng
RT: 25.064 min Scan# 3322
Delta R.T. -0.003 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Tgt Ion:276 Resp: 16365

Ion	Ratio	Lower	Upper
276	100		
138	21.4	19.4	29.0
277	24.5	19.8	29.6

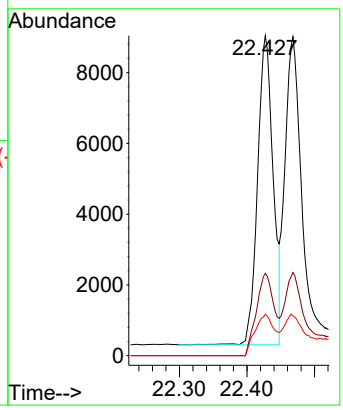




#37
Benzo(b)fluoranthene
Concen: 0.670 ng
RT: 22.427 min Scan# 24
Delta R.T. -0.003 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Tgt Ion:252 Resp: 2657

Ion	Ratio	Lower	Upper
252	100		
253	25.7	19.6	29.4
125	13.0	9.6	14.4



Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210MSD

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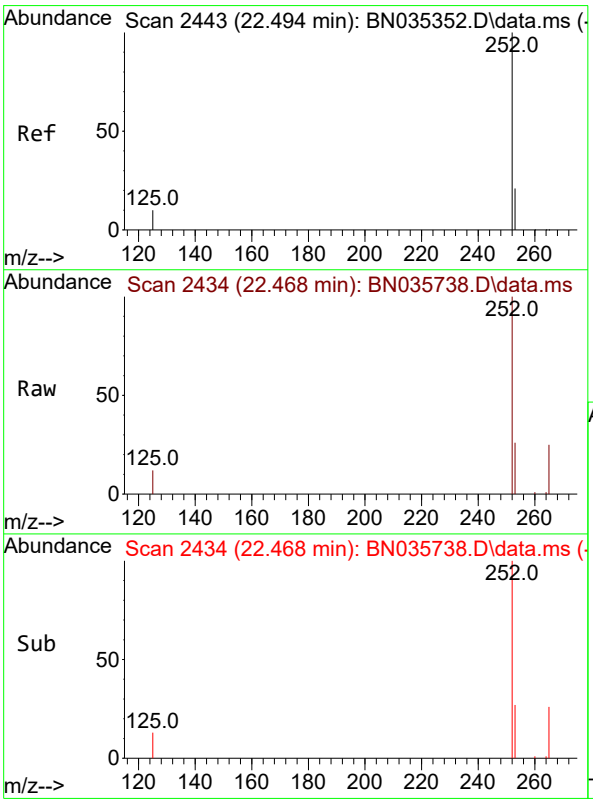
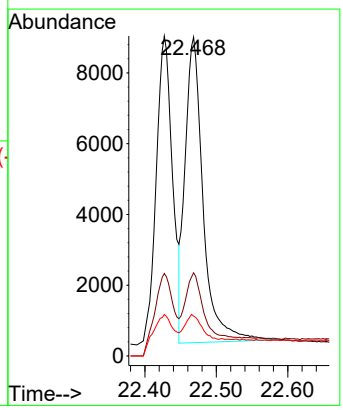
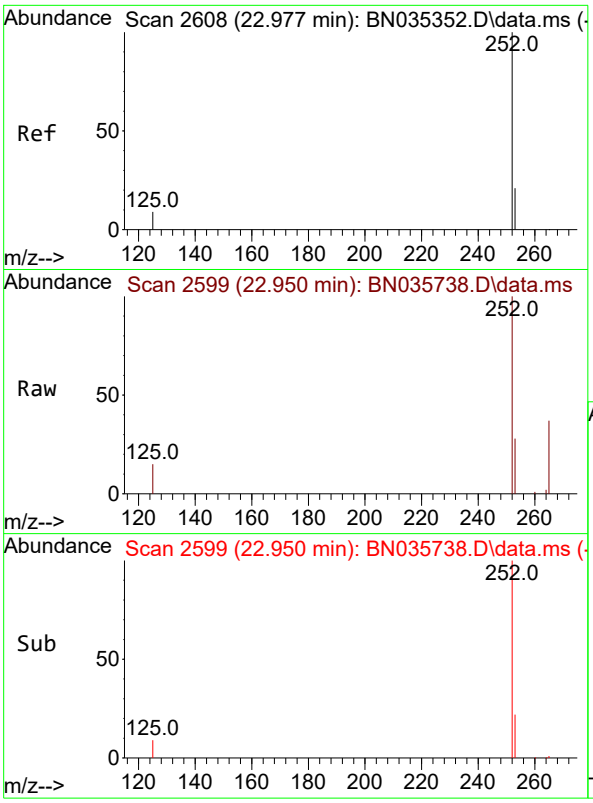


#38
Benzo(k)fluoranthene
Concen: 0.389 ng
RT: 22.468 min Scan# 2434
Delta R.T. -0.003 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Tgt Ion:252 Resp: 15174

Ion	Ratio	Lower	Upper
252	100		
253	26.1	19.5	29.3
125	12.5	10.2	15.4

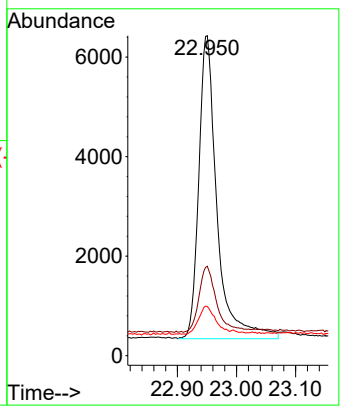




#39
Benzo(a)pyrene
Concen: 0.399 ng
RT: 22.950 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Tgt Ion:252 Resp: 1304

Ion	Ratio	Lower	Upper
252	100		
253	27.9	20.2	30.4
125	15.4	10.9	16.3



Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210MSD

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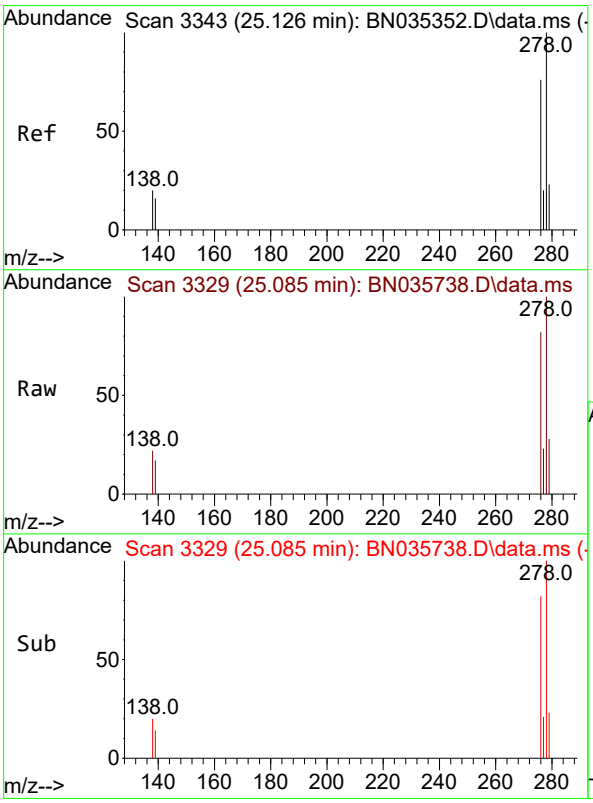
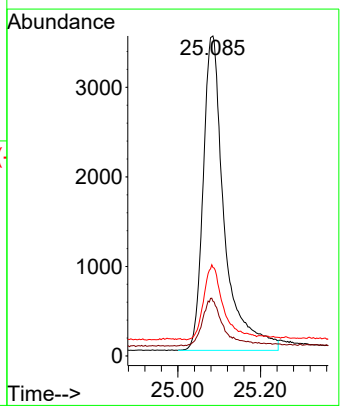
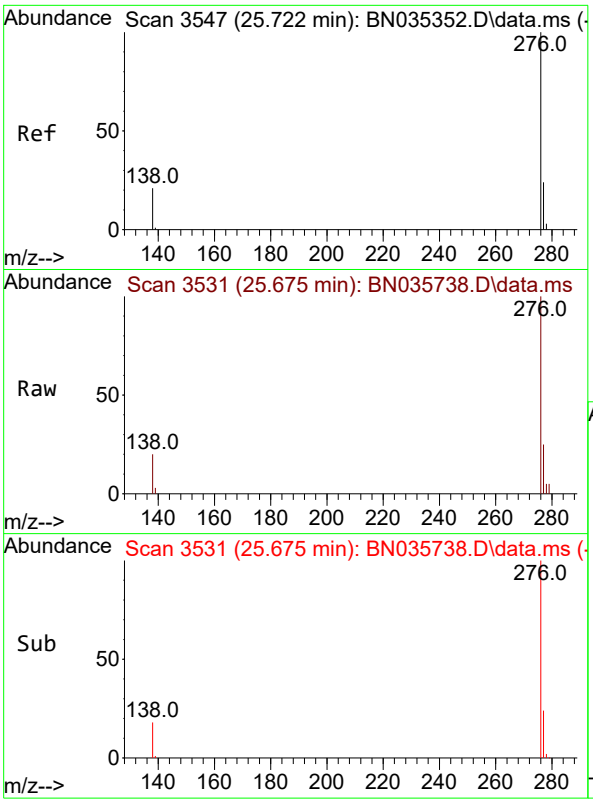


#40
Dibenzo(a,h)anthracene
Concen: 0.373 ng
RT: 25.085 min Scan# 3329
Delta R.T. 0.003 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Tgt Ion:278 Resp: 12476

Ion	Ratio	Lower	Upper
278	100		
139	17.1	14.2	21.4
279	27.6	20.5	30.7

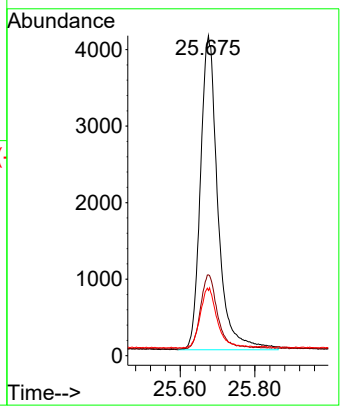




#41
Benzo(g,h,i)perylene
Concen: 0.382 ng
RT: 25.675 min Scan# 3
Delta R.T. -0.003 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Tgt Ion:276 Resp: 1334

Ion	Ratio	Lower	Upper
276	100		
277	25.3	19.9	29.9
138	20.4	17.8	26.8



Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210MSD

Manual Integrations
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Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/24/2024

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Manual Integration Report

Sequence:	BN112724	Instrument	BNA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC0.1	BN035350.D	Benzo(k)fluoranthene	yogesh	11/29/2024 12:47:08 AM	mohammad	12/3/2024 12:32:57 AM	Peak Integrated by Software
SSTDICC0.1	BN035350.D	Nitrobenzene-d5	yogesh	11/29/2024 12:47:08 AM	mohammad	12/3/2024 12:32:57 AM	Peak Integrated by Software
SSTDICC0.2	BN035351.D	Benzo(k)fluoranthene	yogesh	11/29/2024 12:47:10 AM	mohammad	12/3/2024 12:32:57 AM	Peak Integrated by Software
SSTDICC0.2	BN035351.D	Nitrobenzene-d5	yogesh	11/29/2024 12:47:10 AM	mohammad	12/3/2024 12:32:57 AM	Peak Integrated by Software
SSTDICCC0.4	BN035352.D	Nitrobenzene-d5	yogesh	11/29/2024 12:47:11 AM	mohammad	12/3/2024 12:32:57 AM	Peak Integrated by Software
SSTDICV0.4	BN035357.D	Nitrobenzene-d5	yogesh	11/29/2024 12:47:22 AM	mohammad	12/3/2024 12:32:57 AM	Peak Integrated by Software
SSTDCCC0.4	BN035366.D	Nitrobenzene-d5	yogesh	11/29/2024 12:47:37 AM	mohammad	12/3/2024 12:32:57 AM	Peak Integrated by Software
SSTDCCC0.4	BN035368.D	Nitrobenzene-d5	yogesh	11/29/2024 12:48:03 AM	mohammad	12/3/2024 12:32:57 AM	Peak Integrated by Software
SSTDCCC0.4	BN035375.D	Nitrobenzene-d5	yogesh	11/29/2024 12:48:17 AM	mohammad	12/3/2024 12:32:57 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BN121924	Instrument	BNA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC0.4	BN035712.D	Benzo(k)fluoranthene	yogesh	12/21/2024 1:12:22 AM	mohammad	12/24/2024 11:31:00 PM	Peak Integrated by Software
SSTDCCC0.4	BN035712.D	Nitrobenzene-d5	yogesh	12/21/2024 1:12:22 AM	mohammad	12/24/2024 11:31:00 PM	Peak Integrated by Software
P5261-01	BN035714.D	Nitrobenzene-d5	yogesh	12/21/2024 1:12:32 AM	mohammad	12/24/2024 11:31:00 PM	Peak Integrated by Software
P5261-02	BN035715.D	Nitrobenzene-d5	yogesh	12/21/2024 1:12:39 AM	mohammad	12/24/2024 11:31:00 PM	Peak Integrated by Software
P5261-03	BN035716.D	Nitrobenzene-d5	yogesh	12/21/2024 1:12:44 AM	mohammad	12/24/2024 11:31:00 PM	Peak Integrated by Software
P5261-04	BN035717.D	Nitrobenzene-d5	yogesh	12/21/2024 1:12:49 AM	mohammad	12/24/2024 11:31:00 PM	Peak Integrated by Software
P5261-05	BN035718.D	Nitrobenzene-d5	yogesh	12/21/2024 1:12:54 AM	mohammad	12/24/2024 11:31:00 PM	Peak Integrated by Software
P5261-06	BN035719.D	Nitrobenzene-d5	yogesh	12/21/2024 1:12:58 AM	mohammad	12/24/2024 11:31:00 PM	Peak Integrated by Software
P5261-07	BN035720.D	Nitrobenzene-d5	yogesh	12/21/2024 1:13:03 AM	mohammad	12/24/2024 11:31:00 PM	Peak Integrated by Software
P5261-08	BN035721.D	Nitrobenzene-d5	yogesh	12/21/2024 1:13:08 AM	mohammad	12/24/2024 11:31:00 PM	Peak Integrated by Software
P5261-09	BN035722.D	Nitrobenzene-d5	yogesh	12/21/2024 1:13:13 AM	mohammad	12/24/2024 11:31:00 PM	Peak Integrated by Software
P5261-10	BN035723.D	Nitrobenzene-d5	yogesh	12/21/2024 1:13:18 AM	mohammad	12/24/2024 11:31:00 PM	Peak Integrated by Software
P5261-11	BN035724.D	Nitrobenzene-d5	yogesh	12/21/2024 1:13:23 AM	mohammad	12/24/2024 11:31:00 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BN121924	Instrument	BNA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P5261-16	BN035725.D	Nitrobenzene-d5	yogesh	12/21/2024 1:13:29 AM	mohammad	12/24/2024 11:31:00 PM	Peak Integrated by Software
P5261-15	BN035726.D	Nitrobenzene-d5	yogesh	12/21/2024 1:13:34 AM	mohammad	12/24/2024 11:31:00 PM	Peak Integrated by Software
P5261-17	BN035727.D	Nitrobenzene-d5	yogesh	12/21/2024 1:13:39 AM	mohammad	12/24/2024 11:31:00 PM	Peak Integrated by Software
PB165596BS	BN035728.D	Nitrobenzene-d5	yogesh	12/21/2024 1:13:45 AM	mohammad	12/24/2024 11:31:00 PM	Peak Integrated by Software
SSTDCCC0.4	BN035729.D	Benzo(k)fluoranthene	yogesh	12/21/2024 1:13:50 AM	mohammad	12/24/2024 11:31:00 PM	Peak Integrated by Software
SSTDCCC0.4	BN035729.D	Nitrobenzene-d5	yogesh	12/21/2024 1:13:50 AM	mohammad	12/24/2024 11:31:00 PM	Peak Integrated by Software
SSTDCCC0.4	BN035731.D	Benzo(k)fluoranthene	yogesh	12/21/2024 1:13:55 AM	mohammad	12/24/2024 11:31:00 PM	Peak Integrated by Software
SSTDCCC0.4	BN035731.D	Nitrobenzene-d5	yogesh	12/21/2024 1:13:55 AM	mohammad	12/24/2024 11:31:00 PM	Peak Integrated by Software
P5261-12	BN035734.D	Nitrobenzene-d5	yogesh	12/21/2024 1:14:09 AM	mohammad	12/24/2024 11:31:00 PM	Peak Integrated by Software
P5261-13MS	BN035737.D	Nitrobenzene-d5	yogesh	12/21/2024 1:14:29 AM	mohammad	12/24/2024 11:31:00 PM	Peak Integrated by Software
P5261-14MSD	BN035738.D	Nitrobenzene-d5	Yogesh	12/24/2024 8:41:53 AM	mohammad	12/24/2024 11:31:00 PM	Peak Integrated by Software
P5261-18	BN035739.D	Nitrobenzene-d5	yogesh	12/21/2024 1:14:40 AM	mohammad	12/24/2024 11:31:00 PM	Peak Integrated by Software
P5261-19	BN035740.D	Nitrobenzene-d5	yogesh	12/21/2024 1:14:47 AM	mohammad	12/24/2024 11:31:00 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BN121924	Instrument	BNA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P5261-20	BN035741.D	Nitrobenzene-d5	yogesh	12/21/2024 1:14:51 AM	mohammad	12/24/2024 11:31:00 PM	Peak Integrated by Software
SSTDCCC0.4	BN035747.D	Benzo(k)fluoranthene	Jagrut	12/23/2024 10:45:30 AM	mohammad	12/24/2024 11:31:00 PM	Peak Integrated by Software
SSTDCCC0.4	BN035747.D	Nitrobenzene-d5	Jagrut	12/23/2024 10:45:30 AM	mohammad	12/24/2024 11:31:00 PM	Peak Integrated by Software
SSTDCCC0.4	BN035749.D	Benzo(k)fluoranthene	Jagrut	12/23/2024 10:45:33 AM	mohammad	12/24/2024 11:31:00 PM	Peak Integrated by Software
SSTDCCC0.4	BN035749.D	bis(2-Chloroethyl)ether	Jagrut	12/23/2024 10:45:33 AM	mohammad	12/24/2024 11:31:00 PM	Peak Integrated by Software
SSTDCCC0.4	BN035749.D	Nitrobenzene-d5	Jagrut	12/23/2024 10:45:33 AM	mohammad	12/24/2024 11:31:00 PM	Peak Integrated by Software
P5261-09DL	BN035752.D	Nitrobenzene-d5	Jagrut	12/23/2024 10:45:40 AM	mohammad	12/24/2024 11:31:00 PM	Peak Integrated by Software
P5261-15DL	BN035753.D	Nitrobenzene-d5	Jagrut	12/23/2024 10:45:43 AM	mohammad	12/24/2024 11:31:00 PM	Peak Integrated by Software
P5261-04DL	BN035754.D	Nitrobenzene-d5	Jagrut	12/23/2024 10:45:45 AM	mohammad	12/24/2024 11:31:00 PM	Peak Integrated by Software
SSTDCCC0.4	BN035765.D	Benzo(k)fluoranthene	Jagrut	12/23/2024 10:46:17 AM	mohammad	12/24/2024 11:31:00 PM	Peak Integrated by Software
SSTDCCC0.4	BN035765.D	Nitrobenzene-d5	Jagrut	12/23/2024 10:46:17 AM	mohammad	12/24/2024 11:31:00 PM	Peak Integrated by Software
SSTDCCC0.4	BN035767.D	Benzo(k)fluoranthene	Jagrut	12/23/2024 10:46:19 AM	mohammad	12/24/2024 11:31:00 PM	Peak Integrated by Software
SSTDCCC0.4	BN035767.D	Nitrobenzene-d5	Jagrut	12/23/2024 10:46:19 AM	mohammad	12/24/2024 11:31:00 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BN121924	Instrument	BNA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB165596BL	BN035768.D	Nitrobenzene-d5	Jagrut	12/23/2024 10:46:22 AM	mohammad	12/24/2024 11:31:00 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BN122624	Instrument	BNA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC0.4	BN035845.D	Benzo(k)fluoranthene	yogesh	12/27/2024 3:53:06 AM	mohammad	12/27/2024 4:13:15 AM	Peak Integrated by Software
SSTDCCC0.4	BN035845.D	Nitrobenzene-d5	yogesh	12/27/2024 3:53:06 AM	mohammad	12/27/2024 4:13:15 AM	Peak Integrated by Software
P5261-19DL	BN035860.D	Nitrobenzene-d5	yogesh	12/27/2024 3:53:42 AM	mohammad	12/27/2024 4:13:15 AM	Peak Integrated by Software
SSTDCCC0.4	BN035861.D	Nitrobenzene-d5	yogesh	12/27/2024 3:53:44 AM	mohammad	12/27/2024 4:13:15 AM	Peak Integrated by Software

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Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN112724

Review By	yogesh	Review On	11/29/2024 12:48:33 AM		
Supervise By	mohammad	Supervise On	12/3/2024 12:32:57 AM		
SubDirectory	BN112724	HP Acquire Method	BNA_N, 8270_SIM	HP Processing Method	bn112724

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6663,SP6662,SP6661,SP6660,SP6659,SP6658,SP6657
CCC	SP6661
Internal Standard/PEM	SP6527,1ul/100ul sample
ICV/I.BLK	SP6684
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BN035349.D	27 Nov 2024 14:55	RC/JU	Ok
2	SSTDICC0.1	BN035350.D	27 Nov 2024 15:34	RC/JU	Ok,M
3	SSTDICC0.2	BN035351.D	27 Nov 2024 16:10	RC/JU	Ok,M
4	SSTDICCC0.4	BN035352.D	27 Nov 2024 16:46	RC/JU	Ok,M
5	SSTDICC0.8	BN035353.D	27 Nov 2024 17:21	RC/JU	Ok
6	SSTDICC1.6	BN035354.D	27 Nov 2024 17:57	RC/JU	Ok
7	SSTDICC3.2	BN035355.D	27 Nov 2024 18:33	RC/JU	Ok
8	SSTDICC5.0	BN035356.D	27 Nov 2024 19:09	RC/JU	Ok
9	SSTDICV0.4	BN035357.D	27 Nov 2024 20:21	RC/JU	Ok,M
10	PB165224BL	BN035358.D	27 Nov 2024 20:57	RC/JU	Ok,M
11	PB165266BL	BN035359.D	27 Nov 2024 21:32	RC/JU	Ok,M
12	PB165224BS	BN035360.D	27 Nov 2024 22:08	RC/JU	Ok,M
13	PB165224BSD	BN035361.D	27 Nov 2024 22:44	RC/JU	Ok,M
14	P4969-02	BN035362.D	27 Nov 2024 23:20	RC/JU	Ok,M
15	P4969-04	BN035363.D	27 Nov 2024 23:56	RC/JU	Ok,M
16	P5003-02	BN035364.D	28 Nov 2024 00:32	RC/JU	Ok,M
17	P5003-03	BN035365.D	28 Nov 2024 01:08	RC/JU	Ok,M
18	SSTDCCC0.4	BN035366.D	28 Nov 2024 02:20	RC/JU	Ok,M
19	DFTPP	BN035367.D	28 Nov 2024 03:35	RC/JU	Ok
20	SSTDCCC0.4	BN035368.D	28 Nov 2024 04:51	RC/JU	Ok,M
21	PB165198BL	BN035369.D	28 Nov 2024 05:27	RC/JU	Ok,M

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Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN112724

Review By	yogesh	Review On	11/29/2024 12:48:33 AM				
Supervise By	mohammad	Supervise On	12/3/2024 12:32:57 AM				
SubDirectory	BN112724	HP Acquire Method	BNA_N, 8270_SIM	HP Processing Method	bn112724		

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6663,SP6662,SP6661,SP6660,SP6659,SP6658,SP6657
CCC	SP6661
Internal Standard/PEM	SP6527,1ul/100ul sample
ICV/I.BLK	SP6684
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	PB165198BS	BN035370.D	28 Nov 2024 06:03	RC/JU	Ok,M
23	PB165198BSD	BN035371.D	28 Nov 2024 06:39	RC/JU	Ok,M
24	PB165266BS	BN035372.D	28 Nov 2024 07:15	RC/JU	Ok,M
25	PB165266BSD	BN035373.D	28 Nov 2024 07:50	RC/JU	Ok,M
26	P4959-01	BN035374.D	28 Nov 2024 08:26	RC/JU	Ok,M
27	SSTDCCC0.4	BN035375.D	28 Nov 2024 09:02	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN121924

Review By	yogesh	Review On	12/21/2024 1:06:44 AM				
Supervise By	mohammad	Supervise On	12/24/2024 11:31:00 PM				
SubDirectory	BN121924	HP Acquire Method	BNA_N		HP Processing Method	bn112724	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6663,SP6662,SP6661,SP6660,SP6659,SP6658,SP6657
CCC	SP6661
Internal Standard/PEM	SP6527,1ul/100ul sample
ICV/I.BLK	SP6684
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BN035711.D	19 Dec 2024 18:44	RC/JU	Ok
2	SSTDCCC0.4	BN035712.D	19 Dec 2024 19:23	RC/JU	Ok,M
3	PB165596BL	BN035713.D	19 Dec 2024 20:35	RC/JU	Ok,M
4	P5261-01	BN035714.D	19 Dec 2024 21:11	RC/JU	Ok,M
5	P5261-02	BN035715.D	19 Dec 2024 21:47	RC/JU	Ok,M
6	P5261-03	BN035716.D	19 Dec 2024 22:23	RC/JU	Ok,M
7	P5261-04	BN035717.D	19 Dec 2024 22:58	RC/JU	Dilution
8	P5261-05	BN035718.D	19 Dec 2024 23:34	RC/JU	Ok,M
9	P5261-06	BN035719.D	20 Dec 2024 00:10	RC/JU	Ok,M
10	P5261-07	BN035720.D	20 Dec 2024 00:46	RC/JU	Ok,M
11	P5261-08	BN035721.D	20 Dec 2024 01:22	RC/JU	Ok,M
12	P5261-09	BN035722.D	20 Dec 2024 01:58	RC/JU	Dilution
13	P5261-10	BN035723.D	20 Dec 2024 02:34	RC/JU	Ok,M
14	P5261-11	BN035724.D	20 Dec 2024 03:10	RC/JU	Ok,M
15	P5261-16	BN035725.D	20 Dec 2024 03:46	RC/JU	Ok,M
16	P5261-15	BN035726.D	20 Dec 2024 04:22	RC/JU	Dilution
17	P5261-17	BN035727.D	20 Dec 2024 04:58	RC/JU	Ok,M
18	PB165596BS	BN035728.D	20 Dec 2024 05:34	RC/JU	Ok,M
19	SSTDCCC0.4	BN035729.D	20 Dec 2024 06:10	RC/JU	Ok,M
20	DFTPP	BN035730.D	20 Dec 2024 07:25	RC/JU	Ok
21	SSTDCCC0.4	BN035731.D	20 Dec 2024 08:04	RC/JU	Ok,M

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Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN121924

Review By	yogesh	Review On	12/21/2024 1:06:44 AM		
Supervise By	mohammad	Supervise On	12/24/2024 11:31:00 PM		
SubDirectory	BN121924	HP Acquire Method	BNA_N	HP Processing Method	bn112724

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6663,SP6662,SP6661,SP6660,SP6659,SP6658,SP6657
CCC	SP6661
Internal Standard/PEM	SP6527,1ul/100ul sample
ICV/I.BLK	SP6684
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	PB165667BL	BN035732.D	20 Dec 2024 08:40	RC/JU	Ok,M
23	P5280-03	BN035733.D	20 Dec 2024 09:16	RC/JU	Not Ok
24	P5261-12	BN035734.D	20 Dec 2024 10:29	RC/JU	Ok,M
25	P5280-04MS	BN035735.D	20 Dec 2024 11:05	RC/JU	Ok,M
26	P5280-05MSD	BN035736.D	20 Dec 2024 11:41	RC/JU	Ok,M
27	P5261-13MS	BN035737.D	20 Dec 2024 12:17	RC/JU	Ok,M
28	P5261-14MSD	BN035738.D	20 Dec 2024 12:53	RC/JU	Ok,M
29	P5261-18	BN035739.D	20 Dec 2024 13:29	RC/JU	Ok,M
30	P5261-19	BN035740.D	20 Dec 2024 14:05	RC/JU	Dilution
31	P5261-20	BN035741.D	20 Dec 2024 14:41	RC/JU	Ok,M
32	P5281-01	BN035742.D	20 Dec 2024 15:18	RC/JU	Ok,M
33	P5317-01	BN035743.D	20 Dec 2024 15:54	RC/JU	Ok,M
34	P5317-02	BN035744.D	20 Dec 2024 16:30	RC/JU	Ok,M
35	P5317-03	BN035745.D	20 Dec 2024 17:06	RC/JU	Ok,M
36	P5317-04	BN035746.D	20 Dec 2024 17:42	RC/JU	Ok,M
37	SSTDCCC0.4	BN035747.D	20 Dec 2024 18:18	RC/JU	Ok,M
38	DFTPP	BN035748.D	20 Dec 2024 18:54	RC/JU	Ok
39	SSTDCCC0.4	BN035749.D	20 Dec 2024 19:33	RC/JU	Ok,M
40	PB165723BL	BN035750.D	20 Dec 2024 20:09	RC/JU	Ok,M
41	P5317-05	BN035751.D	20 Dec 2024 20:45	RC/JU	Ok,M
42	P5261-09DL	BN035752.D	20 Dec 2024 21:21	RC/JU	Ok,M
43	P5261-15DL	BN035753.D	20 Dec 2024 21:57	RC/JU	Ok,M
44	P5261-04DL	BN035754.D	20 Dec 2024 22:33	RC/JU	Ok,M

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Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN121924

Review By	yogesh	Review On	12/21/2024 1:06:44 AM		
Supervise By	mohammad	Supervise On	12/24/2024 11:31:00 PM		
SubDirectory	BN121924	HP Acquire Method	BNA_N	HP Processing Method	bn112724

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6663,SP6662,SP6661,SP6660,SP6659,SP6658,SP6657
CCC	SP6661
Internal Standard/PEM	SP6527,1ul/100ul sample
ICV/I.BLK	SP6684
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

45	P5317-09	BN035755.D	20 Dec 2024 23:09	RC/JU	Ok,M
46	P5317-10	BN035756.D	20 Dec 2024 23:45	RC/JU	Ok,M
47	P5317-11	BN035757.D	21 Dec 2024 00:21	RC/JU	Ok,M
48	P5317-12	BN035758.D	21 Dec 2024 00:57	RC/JU	Ok,M
49	P5317-08	BN035759.D	21 Dec 2024 01:34	RC/JU	Ok,M
50	P5317-13	BN035760.D	21 Dec 2024 02:10	RC/JU	Ok,M
51	P5317-14	BN035761.D	21 Dec 2024 02:46	RC/JU	Ok,M
52	P5284-02	BN035762.D	21 Dec 2024 03:22	RC/JU	Ok,M
53	P5284-03	BN035763.D	21 Dec 2024 03:58	RC/JU	Ok,M
54	PB165724BS	BN035764.D	21 Dec 2024 04:34	RC/JU	Ok,M
55	SSTDCCC0.4	BN035765.D	21 Dec 2024 05:10	RC/JU	Ok,M
56	DFTPP	BN035766.D	21 Dec 2024 05:46	RC/JU	Ok
57	SSTDCCC0.4	BN035767.D	21 Dec 2024 06:25	RC/JU	Ok,M
58	PB165596BL	BN035768.D	21 Dec 2024 07:01	RC/JU	Not Ok
59	P5281-04	BN035769.D	21 Dec 2024 07:37	RC/JU	Not Ok
60	P5317-15	BN035770.D	21 Dec 2024 08:13	RC/JU	Not Ok
61	P5317-16	BN035771.D	21 Dec 2024 08:49	RC/JU	Not Ok
62	P5317-17	BN035772.D	21 Dec 2024 09:25	RC/JU	Not Ok
63	P5317-18	BN035773.D	21 Dec 2024 10:01	RC/JU	Not Ok
64	P5317-19MS	BN035774.D	21 Dec 2024 10:37	RC/JU	Not Ok

M : Manual Integration

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Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN122624

Review By	yogesh	Review On	12/27/2024 3:53:55 AM		
Supervise By	mohammad	Supervise On	12/27/2024 4:13:15 AM		
SubDirectory	BN122624	HP Acquire Method	BNA_N, 8270_SIM	HP Processing Method	bn112724

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6663,SP6662,SP6661,SP6660,SP6659,SP6658,SP6657
CCC	SP6661
Internal Standard/PEM	SP6682,1ul/100ul sample
ICV/I.BLK	SP6684
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BN035844.D	26 Dec 2024 09:19	RC/JU	Ok
2	SSTDCCC0.4	BN035845.D	26 Dec 2024 09:58	RC/JU	Ok,M
3	PB165828BL	BN035846.D	26 Dec 2024 10:35	RC/JU	Ok,M
4	P5376-15	BN035847.D	26 Dec 2024 11:20	RC/JU	Ok,M
5	P5376-19	BN035848.D	26 Dec 2024 11:56	RC/JU	Ok,M
6	P5376-01	BN035849.D	26 Dec 2024 12:31	RC/JU	Ok,M
7	P5374-03	BN035850.D	26 Dec 2024 13:07	RC/JU	Ok,M
8	PB165723BS	BN035851.D	26 Dec 2024 13:43	RC/JU	Ok,M
9	PB165828BS	BN035852.D	26 Dec 2024 14:19	RC/JU	Ok,M
10	PB165724BSD	BN035853.D	26 Dec 2024 14:54	RC/JU	Ok,M
11	P5376-03DL	BN035854.D	26 Dec 2024 15:30	RC/JU	Ok,M
12	P5317-21DL	BN035855.D	26 Dec 2024 16:06	RC/JU	Ok,M
13	P5281-07DL	BN035856.D	26 Dec 2024 16:42	RC/JU	Ok,M
14	P5282-01DL	BN035857.D	26 Dec 2024 17:18	RC/JU	Ok,M
15	P5281-06DL	BN035858.D	26 Dec 2024 17:53	RC/JU	Ok,M
16	P5284-01DL	BN035859.D	26 Dec 2024 18:29	RC/JU	Ok,M
17	P5261-19DL	BN035860.D	26 Dec 2024 19:05	RC/JU	Ok,M
18	SSTDCCC0.4	BN035861.D	26 Dec 2024 19:41	RC/JU	Ok,M

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN112724

Review By	yogesh	Review On	11/29/2024 12:48:33 AM	
Supervise By	mohammad	Supervise On	12/3/2024 12:32:57 AM	
SubDirectory	BN112724	HP Acquire Method	BNA_N, 8270_HP Processing Method	bn112724

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6663,SP6662,SP6661,SP6660,SP6659,SP6658,SP6657
CCC	SP6661
Internal Standard/PEM	SP6527,1ul/100ul sample
ICV/I.BLK	SP6684
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BN035349.D	27 Nov 2024 14:55		RC/JU	Ok
2	SSTDICC0.1	SSTDICC0.1	BN035350.D	27 Nov 2024 15:34		RC/JU	Ok,M
3	SSTDICC0.2	SSTDICC0.2	BN035351.D	27 Nov 2024 16:10		RC/JU	Ok,M
4	SSTDICCC0.4	SSTDICCC0.4	BN035352.D	27 Nov 2024 16:46	This Calibration is Good For DOD	RC/JU	Ok,M
5	SSTDICC0.8	SSTDICC0.8	BN035353.D	27 Nov 2024 17:21		RC/JU	Ok
6	SSTDICC1.6	SSTDICC1.6	BN035354.D	27 Nov 2024 17:57		RC/JU	Ok
7	SSTDICC3.2	SSTDICC3.2	BN035355.D	27 Nov 2024 18:33	Compound #20 removed from 3.2ppm	RC/JU	Ok
8	SSTDICC5.0	SSTDICC5.0	BN035356.D	27 Nov 2024 19:09	Compound #20 removed from 5.0ppm	RC/JU	Ok
9	SSTDICV0.4	ICVBN112724	BN035357.D	27 Nov 2024 20:21		RC/JU	Ok,M
10	PB165224BL	PB165224BL	BN035358.D	27 Nov 2024 20:57		RC/JU	Ok,M
11	PB165266BL	PB165266BL	BN035359.D	27 Nov 2024 21:32		RC/JU	Ok,M
12	PB165224BS	PB165224BS	BN035360.D	27 Nov 2024 22:08		RC/JU	Ok,M
13	PB165224BSD	PB165224BSD	BN035361.D	27 Nov 2024 22:44		RC/JU	Ok,M
14	P4969-02	TOWER-1	BN035362.D	27 Nov 2024 23:20		RC/JU	Ok,M
15	P4969-04	TOWER-2	BN035363.D	27 Nov 2024 23:56		RC/JU	Ok,M
16	P5003-02	RW-10A-HYD-2024112	BN035364.D	28 Nov 2024 00:32		RC/JU	Ok,M
17	P5003-03	RW-10A-HYD-2024112	BN035365.D	28 Nov 2024 01:08		RC/JU	Ok,M

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Fax : 908 789 8922

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN112724

Review By	yogesh	Review On	11/29/2024 12:48:33 AM	
Supervise By	mohammad	Supervise On	12/3/2024 12:32:57 AM	
SubDirectory	BN112724	HP Acquire Method	BNA_N, 8270_HP Processing Method	bn112724

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6663,SP6662,SP6661,SP6660,SP6659,SP6658,SP6657
CCC	SP6661
Internal Standard/PEM	SP6527,1ul/100ul sample
ICV/I.BLK	SP6684
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	SSTDCCC0.4	SSTDCCC0.4EC	BN035366.D	28 Nov 2024 02:20		RC/JU	Ok,M
19	DFTPP	DFTPP	BN035367.D	28 Nov 2024 03:35		RC/JU	Ok
20	SSTDCCC0.4	SSTDCCC0.4	BN035368.D	28 Nov 2024 04:51		RC/JU	Ok,M
21	PB165198BL	PB165198BL	BN035369.D	28 Nov 2024 05:27		RC/JU	Ok,M
22	PB165198BS	PB165198BS	BN035370.D	28 Nov 2024 06:03		RC/JU	Ok,M
23	PB165198BSD	PB165198BSD	BN035371.D	28 Nov 2024 06:39		RC/JU	Ok,M
24	PB165266BS	PB165266BS	BN035372.D	28 Nov 2024 07:15		RC/JU	Ok,M
25	PB165266BSD	PB165266BSD	BN035373.D	28 Nov 2024 07:50		RC/JU	Ok,M
26	P4959-01	RW5-SP100-20241121	BN035374.D	28 Nov 2024 08:26		RC/JU	Ok,M
27	SSTDCCC0.4	SSTDCCC0.4EC	BN035375.D	28 Nov 2024 09:02		RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN121924

Review By	yogesh	Review On	12/21/2024 1:06:44 AM		
Supervise By	mohammad	Supervise On	12/24/2024 11:31:00 PM		
SubDirectory	BN121924	HP Acquire Method	BNA_N	HP Processing Method	bn112724

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6663,SP6662,SP6661,SP6660,SP6659,SP6658,SP6657
CCC	SP6661
Internal Standard/PEM	SP6527,1ul/100ul sample
ICV/I.BLK	SP6684
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BN035711.D	19 Dec 2024 18:44		RC/JU	Ok
2	SSTDCCC0.4	SSTDCCC0.4	BN035712.D	19 Dec 2024 19:23		RC/JU	Ok,M
3	PB165596BL	PB165596BL	BN035713.D	19 Dec 2024 20:35		RC/JU	Ok,M
4	P5261-01	RE122D1-20241209	BN035714.D	19 Dec 2024 21:11		RC/JU	Ok,M
5	P5261-02	RE122D2-20241209	BN035715.D	19 Dec 2024 21:47		RC/JU	Ok,M
6	P5261-03	RE122D3-20241209	BN035716.D	19 Dec 2024 22:23		RC/JU	Ok,M
7	P5261-04	RE103D1-20241209	BN035717.D	19 Dec 2024 22:58	Need 2X Dilution	RC/JU	Dilution
8	P5261-05	RE103D2-20241209	BN035718.D	19 Dec 2024 23:34		RC/JU	Ok,M
9	P5261-06	RE103D3-20241209	BN035719.D	20 Dec 2024 00:10		RC/JU	Ok,M
10	P5261-07	RE134D1-20241209	BN035720.D	20 Dec 2024 00:46		RC/JU	Ok,M
11	P5261-08	DUP-01-20241209	BN035721.D	20 Dec 2024 01:22		RC/JU	Ok,M
12	P5261-09	RE134D3-20241210	BN035722.D	20 Dec 2024 01:58	Need 2X Dilution	RC/JU	Dilution
13	P5261-10	RE134D4-20241210	BN035723.D	20 Dec 2024 02:34		RC/JU	Ok,M
14	P5261-11	GM3-RW3-MW1-20241	BN035724.D	20 Dec 2024 03:10		RC/JU	Ok,M
15	P5261-16	RE125D3-20241210	BN035725.D	20 Dec 2024 03:46		RC/JU	Ok,M
16	P5261-15	RE125D2-20241210	BN035726.D	20 Dec 2024 04:22	Need 2X Dilution	RC/JU	Dilution
17	P5261-17	RE120D1-20241210	BN035727.D	20 Dec 2024 04:58		RC/JU	Ok,M
18	PB165596BS	PB165596BS	BN035728.D	20 Dec 2024 05:34		RC/JU	Ok,M

Alliance TECHNICAL GROUP
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Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN121924

Review By	yogesh	Review On	12/21/2024 1:06:44 AM		
Supervise By	mohammad	Supervise On	12/24/2024 11:31:00 PM		
SubDirectory	BN121924	HP Acquire Method	BNA_N	HP Processing Method	bn112724

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6663,SP6662,SP6661,SP6660,SP6659,SP6658,SP6657
CCC	SP6661
Internal Standard/PEM	SP6527,1ul/100ul sample
ICV/I.BLK	SP6684
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	SSTDCCC0.4	SSTDCCC0.4EC	BN035729.D	20 Dec 2024 06:10		RC/JU	Ok,M
20	DFTPP	DFTPP	BN035730.D	20 Dec 2024 07:25		RC/JU	Ok
21	SSTDCCC0.4	SSTDCCC0.4	BN035731.D	20 Dec 2024 08:04		RC/JU	Ok,M
22	PB165667BL	PB165667BL	BN035732.D	20 Dec 2024 08:40		RC/JU	Ok,M
23	P5280-03	BPOW6-11-20241212	BN035733.D	20 Dec 2024 09:16	Test not Present on Login Page	RC/JU	Not Ok
24	P5261-12	RE125D1-20241210	BN035734.D	20 Dec 2024 10:29		RC/JU	Ok,M
25	P5280-04MS	BPOW6-11-20241212M	BN035735.D	20 Dec 2024 11:05		RC/JU	Ok,M
26	P5280-05MSD	BPOW6-11-20241212M	BN035736.D	20 Dec 2024 11:41		RC/JU	Ok,M
27	P5261-13MS	RE125D1-20241210MS	BN035737.D	20 Dec 2024 12:17		RC/JU	Ok,M
28	P5261-14MSD	RE125D1-20241210MS	BN035738.D	20 Dec 2024 12:53		RC/JU	Ok,M
29	P5261-18	RE120D2-20241210	BN035739.D	20 Dec 2024 13:29		RC/JU	Ok,M
30	P5261-19	RE120D3-20241210	BN035740.D	20 Dec 2024 14:05	Need 5X Dilution	RC/JU	Dilution
31	P5261-20	DUP-02-20241210	BN035741.D	20 Dec 2024 14:41		RC/JU	Ok,M
32	P5281-01	RE114D1-20241212	BN035742.D	20 Dec 2024 15:18		RC/JU	Ok,M
33	P5317-01	RE114D2-20241216	BN035743.D	20 Dec 2024 15:54		RC/JU	Ok,M
34	P5317-02	RW4-20241216	BN035744.D	20 Dec 2024 16:30		RC/JU	Ok,M
35	P5317-03	TT191D1-20241216	BN035745.D	20 Dec 2024 17:06		RC/JU	Ok,M
36	P5317-04	TT191D2-20241216	BN035746.D	20 Dec 2024 17:42		RC/JU	Ok,M
37	SSTDCCC0.4	SSTDCCC0.4EC	BN035747.D	20 Dec 2024 18:18		RC/JU	Ok,M

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Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN121924

Review By	yogesh	Review On	12/21/2024 1:06:44 AM		
Supervise By	mohammad	Supervise On	12/24/2024 11:31:00 PM		
SubDirectory	BN121924	HP Acquire Method	BNA_N	HP Processing Method	bn112724

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6663,SP6662,SP6661,SP6660,SP6659,SP6658,SP6657
CCC	SP6661
Internal Standard/PEM	SP6527,1ul/100ul sample
ICV/I.BLK	SP6684
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	DFTPP	DFTPP	BN035748.D	20 Dec 2024 18:54		RC/JU	Ok
39	SSTDCCC0.4	SSTDCCC0.4	BN035749.D	20 Dec 2024 19:33		RC/JU	Ok,M
40	PB165723BL	PB165723BL	BN035750.D	20 Dec 2024 20:09		RC/JU	Ok,M
41	P5317-05	TT163S1-20241216	BN035751.D	20 Dec 2024 20:45		RC/JU	Ok,M
42	P5261-09DL	RE134D3-20241210DL	BN035752.D	20 Dec 2024 21:21		RC/JU	Ok,M
43	P5261-15DL	RE125D2-20241210DL	BN035753.D	20 Dec 2024 21:57		RC/JU	Ok,M
44	P5261-04DL	RE103D1-20241209DL	BN035754.D	20 Dec 2024 22:33		RC/JU	Ok,M
45	P5317-09	TT158S1-20241217	BN035755.D	20 Dec 2024 23:09		RC/JU	Ok,M
46	P5317-10	TT158I1-20241217	BN035756.D	20 Dec 2024 23:45		RC/JU	Ok,M
47	P5317-11	DUP-05-20241217	BN035757.D	21 Dec 2024 00:21		RC/JU	Ok,M
48	P5317-12	TT172S1-20241217	BN035758.D	21 Dec 2024 00:57		RC/JU	Ok,M
49	P5317-08	RW8-MW01D1-202412	BN035759.D	21 Dec 2024 01:34		RC/JU	Ok,M
50	P5317-13	RW9-MW01S-2024121	BN035760.D	21 Dec 2024 02:10		RC/JU	Ok,M
51	P5317-14	RW9-MW01D1-202412	BN035761.D	21 Dec 2024 02:46		RC/JU	Ok,M
52	P5284-02	RW5-SP201-20241212	BN035762.D	21 Dec 2024 03:22		RC/JU	Ok,M
53	P5284-03	RW5-SP303-20241212	BN035763.D	21 Dec 2024 03:58		RC/JU	Ok,M
54	PB165724BS	PB165724BS	BN035764.D	21 Dec 2024 04:34		RC/JU	Ok,M
55	SSTDCCC0.4	SSTDCCC0.4EC	BN035765.D	21 Dec 2024 05:10		RC/JU	Ok,M
56	DFTPP	DFTPP	BN035766.D	21 Dec 2024 05:46		RC/JU	Ok

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Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN121924

Review By	yogesh	Review On	12/21/2024 1:06:44 AM		
Supervise By	mohammad	Supervise On	12/24/2024 11:31:00 PM		
SubDirectory	BN121924	HP Acquire Method	BNA_N	HP Processing Method	bn112724

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6663,SP6662,SP6661,SP6660,SP6659,SP6658,SP6657
CCC	SP6661
Internal Standard/PEM	SP6527,1ul/100ul sample
ICV/I.BLK	SP6684
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

57	SSTDCCC0.4	SSTDCCC0.4	BN035767.D	21 Dec 2024 06:25		RC/JU	Ok,M
58	PB165596BL	PB165596BL	BN035768.D	21 Dec 2024 07:01	END CCC Missing	RC/JU	Not Ok
59	P5281-04	TT101D2-20241212	BN035769.D	21 Dec 2024 07:37	END CCC Missing, Need 2X Dilution	RC/JU	Not Ok
60	P5317-15	RW9-MW01D2-202412	BN035770.D	21 Dec 2024 08:13	END CCC Missing	RC/JU	Not Ok
61	P5317-16	RW9-MW01D3-202412	BN035771.D	21 Dec 2024 08:49	END CCC Missing	RC/JU	Not Ok
62	P5317-17	DUP-06-20241217	BN035772.D	21 Dec 2024 09:25	END CCC Missing	RC/JU	Not Ok
63	P5317-18	RE132D5-20241217	BN035773.D	21 Dec 2024 10:01	END CCC Missing, Need 2X Dilution	RC/JU	Not Ok
64	P5317-19MS	RE132D5-20241217MS	BN035774.D	21 Dec 2024 10:37	Internal Standard Fail, END CCC Missing	RC/JU	Not Ok

M : Manual Integration

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Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN122624

Review By	yogesh	Review On	12/27/2024 3:53:55 AM	
Supervise By	mohammad	Supervise On	12/27/2024 4:13:15 AM	
SubDirectory	BN122624	HP Acquire Method	BNA_N, 8270_HP Processing Method	bn112724

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6663,SP6662,SP6661,SP6660,SP6659,SP6658,SP6657
CCC	SP6661
Internal Standard/PEM	SP6682,1ul/100ul sample
ICV/I.BLK	SP6684
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BN035844.D	26 Dec 2024 09:19		RC/JU	Ok
2	SSTDCCC0.4	SSTDCCC0.4	BN035845.D	26 Dec 2024 09:58		RC/JU	Ok,M
3	PB165828BL	PB165828BL	BN035846.D	26 Dec 2024 10:35		RC/JU	Ok,M
4	P5376-15	TT162S1-20241219	BN035847.D	26 Dec 2024 11:20		RC/JU	Ok,M
5	P5376-19	TT188S1-20241219	BN035848.D	26 Dec 2024 11:56		RC/JU	Ok,M
6	P5376-01	TT205S1-20241218	BN035849.D	26 Dec 2024 12:31		RC/JU	Ok,M
7	P5374-03	BP-VPB-190A-GW-718	BN035850.D	26 Dec 2024 13:07		RC/JU	Ok,M
8	PB165723BS	PB165723BS	BN035851.D	26 Dec 2024 13:43		RC/JU	Ok,M
9	PB165828BS	PB165828BS	BN035852.D	26 Dec 2024 14:19		RC/JU	Ok,M
10	PB165724BSD	PB165724BSD	BN035853.D	26 Dec 2024 14:54		RC/JU	Ok,M
11	P5376-03DL	RE115D2-20241218DL	BN035854.D	26 Dec 2024 15:30		RC/JU	Ok,M
12	P5317-21DL	RE132D6-20241217DL	BN035855.D	26 Dec 2024 16:06		RC/JU	Ok,M
13	P5281-07DL	TT189D2-20241213DL	BN035856.D	26 Dec 2024 16:42		RC/JU	Ok,M
14	P5282-01DL	RW7-SP100-20241212	BN035857.D	26 Dec 2024 17:18		RC/JU	Ok,M
15	P5281-06DL	RE115D1-20241213DL	BN035858.D	26 Dec 2024 17:53		RC/JU	Ok,M
16	P5284-01DL	RW5-SP100-20241212	BN035859.D	26 Dec 2024 18:29		RC/JU	Ok,M
17	P5261-19DL	RE120D3-20241210DL	BN035860.D	26 Dec 2024 19:05		RC/JU	Ok,M
18	SSTDCCC0.4	SSTDCCC0.4EC	BN035861.D	26 Dec 2024 19:41		RC/JU	Ok,M

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Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN122624

Review By	yogesh	Review On	12/27/2024 3:53:55 AM	
Supervise By	mohammad	Supervise On	12/27/2024 4:13:15 AM	
SubDirectory	BN122624	HP Acquire Method	BNA_N, 8270_HP Processing Method	bn112724

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6663,SP6662,SP6661,SP6660,SP6659,SP6658,SP6657
CCC	SP6661
Internal Standard/PEM	SP6682,1ul/100ul sample
ICV/I.BLK	SP6684
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

M : Manual Integration

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EXTRACTION LOGPAGE

PB165596

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

Clean Up SOP #: N/A

Matrix : Water

Weigh By: N/A

Balance check: N/A

Balance ID: N/A

pH Strip Lot#: E3574

Extraction By: RS

Filter By: RS

pH Meter ID: N/A

Hood ID: 4,5,6,7

Extraction Start Date : 12/12/2024

Extraction Start Time : 10:30

Extraction End Date : 12/12/2024

Extraction End Time : 15:30

Concentration By: EH

Supervisor By : rajesh

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

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	0.4 PPM	SP6616
Surrogate	1.0ML	0.4 PPM	SP6666
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	E3845
Baked Na2SO4	N/A	EP2571
10N NaoH	N/A	EP2559
H2SO4 1:1	N/A	EP2565
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

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

KD Bath ID: Water bath -01,02

KD Bath Temperature: 60 °C

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
12/12/24	RP (Ext. Lab)	AC/SVOC
15:35	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB165596

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

Concentration Date: 12/12/2024

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB165596BL	SBLK596	SVOC-SIMGrou p1	1000	6	RUPESH	ritesh	1			SEP-1
PB165596BS	SLCS596	SVOC-SIMGrou p1	1000	6	RUPESH	ritesh	1			2
P5261-01	RE122D1-20241209	SVOC-SIMGrou p1	1000	6	RUPESH	ritesh	1	C		3
P5261-02	RE122D2-20241209	SVOC-SIMGrou p1	1000	6	RUPESH	ritesh	1	C		4
P5261-03	RE122D3-20241209	SVOC-SIMGrou p1	1000	6	RUPESH	ritesh	1	C		5
P5261-04	RE103D1-20241209	SVOC-SIMGrou p1	1000	6	RUPESH	ritesh	1	C		6
P5261-05	RE103D2-20241209	SVOC-SIMGrou p1	1000	6	RUPESH	ritesh	1	C		7
P5261-06	RE103D3-20241209	SVOC-SIMGrou p1	1000	6	RUPESH	ritesh	1	C		8
P5261-07	RE134D1-20241209	SVOC-SIMGrou p1	980	6	RUPESH	ritesh	1	C		9
P5261-08	DUP-01-20241209	SVOC-SIMGrou p1	990	6	RUPESH	ritesh	1	C		10
P5261-09	RE134D3-20241210	SVOC-SIMGrou p1	1000	6	RUPESH	ritesh	1	C		11
P5261-10	RE134D4-20241210	SVOC-SIMGrou p1	1000	6	RUPESH	ritesh	1	C		12
P5261-11	GM3-RW3-MW1-20241210	SVOC-SIMGrou p1	1000	6	RUPESH	ritesh	1	C		13
P5261-12	RE125D1-20241210	SVOC-SIMGrou p1	990	6	RUPESH	ritesh	1	C		14
P5261-13	P5261-12MS	SVOC-SIMGrou p1	1000	6	RUPESH	ritesh	1	C		15
P5261-14	P5261-12MSD	SVOC-SIMGrou p1	1000	6	RUPESH	ritesh	1	C		16
P5261-15	RE125D2-20241210	SVOC-SIMGrou p1	890	6	RUPESH	ritesh	1	C		17
P5261-16	RE125D3-20241210	SVOC-SIMGrou p1	1000	6	RUPESH	ritesh	1	C		18
P5261-17	RE120D1-20241210	SVOC-SIMGrou p1	980	6	RUPESH	ritesh	1	C		SEP-1
P5261-18	RE120D2-20241210	SVOC-SIMGrou p1	870	6	RUPESH	ritesh	1	C		2
P5261-19	RE120D3-20241209	SVOC-SIMGrou p1	980	6	RUPESH	ritesh	1	C		3
P5261-20	DUP-02-20241210	SVOC-SIMGrou p1	1000	6	RUPESH	ritesh	1	C		4

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

12/12/24

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P5261 **WorkList ID :** 186274 **Department :** Extraction **Date :** 12-12-2024 10:27:41

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P5261-01	RE122D1-20241209	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	L41	12/09/2024	8270-Modified
P5261-02	RE122D2-20241209	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	L41	12/09/2024	8270-Modified
P5261-03	RE122D3-20241209	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	L41	12/09/2024	8270-Modified
P5261-04	RE103D1-20241209	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	L41	12/09/2024	8270-Modified
P5261-05	RE103D2-20241209	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	L41	12/09/2024	8270-Modified
P5261-06	RE103D3-20241209	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	L41	12/09/2024	8270-Modified
P5261-07	RE134D1-20241209	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	L41	12/09/2024	8270-Modified
P5261-08	DUP-01-20241209	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	L41	12/09/2024	8270-Modified
P5261-09	RE134D3-20241210	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	L41	12/09/2024	8270-Modified
P5261-10	RE134D4-20241210	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	L41	12/10/2024	8270-Modified
P5261-11	GM3-RW3-MW1-20241210	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	L41	12/10/2024	8270-Modified
P5261-12	RE125D1-20241210	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	L41	12/10/2024	8270-Modified
P5261-13	P5261-12MS	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	L41	12/10/2024	8270-Modified
P5261-14	P5261-12MSD	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	L41	12/10/2024	8270-Modified
P5261-15	RE125D2-20241210	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	L41	12/10/2024	8270-Modified
P5261-16	RE125D3-20241210	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	L41	12/10/2024	8270-Modified
P5261-17	RE120D1-20241210	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	L41	12/10/2024	8270-Modified
P5261-18	RE120D2-20241210	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	L41	12/10/2024	8270-Modified
P5261-19	RE120D3-20241209	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	L41	12/10/2024	8270-Modified
P5261-20	DUP-02-20241210	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	L41	12/10/2024	8270-Modified

Date/Time 12/12/24 10:25

Raw Sample Received by: RS (Soil Lab)

Raw Sample Relinquished by:

Date/Time 12/12/24 11:00

Raw Sample Received by:

Raw Sample Relinquished by: RS (Soil Lab)

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Prep Standard - Chemical Standard Summary

Order ID : P5261

Test : SVOC-SIMGroup1

Prepbatch ID : PB165596,

Sequence ID/Qc Batch ID: BN121924,BN122324,BN122624,

Standard ID :
EP2559,EP2565,EP2571,SP6527,SP6573,SP6616,SP6629,SP6656,SP6657,SP6658,SP6659,SP6660,SP6661,SP6662,SP6663,SP6666,SP6682,SP6683,SP6684,

Chemical ID :
1ul/100ul sample,E3551,E3657,E3759,E3768,E3788,E3791,E3817,E3818,E3828,E3845,M5173,S10103,S10247,S11011,S11074,S11097,S11494,S11792,S11831,S12029,S12077,S12079,S12105,S12113,S12126,S12142,S12189,S12207,S12208,S12314,S12328,S12453,S12469,S12517,W3112,

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Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1874	10 N SODIUM HYDROXIDE SOLN	EP2559	11/14/2024	05/14/2025	Rajesh Parikh	Extraction_SCALE_2 (EX-SC-2)	None	RUPESHKUMAR SHAH 11/14/2024

FROM 1000.00000ml of W3112 + 400.00000gram of E3657 = Final Quantity: 1000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
314	1.1 H2SO4 SOLN	EP2565	11/20/2024	05/20/2025	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 11/20/2024

FROM 1000.00000ml of M5173 + 1000.00000ml of W3112 = Final Quantity: 2000.000 ml

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Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	EP2571	12/11/2024	01/03/2025	Rajesh Parikh	Extraction_SCALE_2 (EX-SC-2)	None	Yogesh Patel 12/16/2024

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3493	Internal Standard 0.4 PPM	SP6527	06/10/2024	12/05/2024	Jagrut Upadhyay	None	None	mohammad ahmed 07/05/2024

FROM 0.10000ml of S12029 + 4.90000ml of E3759 = Final Quantity: 5.000 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3895	50 ug/ml DFTPP 8270E	SP6573	07/15/2024	01/08/2025	Rahul Chavli	None	None	Yogesh Patel 07/17/2024

FROM 1.00000ml of S10247 + 19.00000ml of E3768 = Final Quantity: 20.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3492	8270-SIM-Spike 0.4 PPM	SP6616	09/06/2024	02/12/2025	Rahul Chavli	None	None	mohammad ahmed 09/11/2024

FROM 0.00160ml of S11011 + 0.02000ml of S11792 + 0.04000ml of S12105 + 0.04000ml of S12126 + 0.04000ml of S12453 + 99.85840ml of E3788 = Final Quantity: 100.000 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3493	Internal Standard 0.4 PPM	SP6629	09/12/2024	03/04/2025	Jagrut Upadhyay	None	None	Yogesh Patel 10/14/2024

FROM 0.10000ml of S12314 + 4.90000ml of E3791 = Final Quantity: 5.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3339	8270 sim calibration stock 10ppm (CPI)	SP6656	10/24/2024	02/08/2025	Jagrut Upadhyay	None	None	Yogesh Patel 11/28/2024

FROM 0.03350ml of S10103 + 0.05000ml of S11494 + 0.05000ml of S12079 + 0.12500ml of S11831 + 0.12500ml of S12113 + 0.20000ml of S12077 + 0.25000ml of S11097 + 24.16650ml of E3817 = Final Quantity: 25.000 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3361	8270-SIM MDL-5PPM CALIBRATION SOLUTION	SP6657	10/24/2024	02/08/2025	Jagrut Upadhyay	None	None	Yogesh Patel 11/28/2024

FROM 0.50000ml of E3817 + 0.01000ml of SP6629 + 0.50000ml of SP6656 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3341	8270-SIM MDL-3.2PPM CALIBRATION SOLUTION	SP6658	10/24/2024	02/08/2025	Jagrut Upadhyay	None	None	Yogesh Patel 11/28/2024

FROM 0.68000ml of E3817 + 0.01000ml of SP6629 + 0.32000ml of SP6656 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3344	8270-SIM MDL-1.6PPM CALIBRATION SOLUTION	SP6659	10/24/2024	02/08/2025	Jagrut Upadhyay	None	None	Yogesh Patel 11/28/2024

FROM 0.84000ml of E3817 + 0.01000ml of SP6629 + 0.16000ml of SP6656 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3342	8270-SIM MDL-0.8PPM CALIBRATION SOLUTION	SP6660	10/24/2024	02/08/2025	Jagrut Upadhyay	None	None	Yogesh Patel 11/28/2024

FROM 0.92000ml of E3817 + 0.01000ml of SP6629 + 0.08000ml of SP6656 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3343	8270-SIM MDL-0.4PPM CALIBRATION SOLUTION	SP6661	10/24/2024	02/08/2025	Jagrut Upadhyay	None	None	Yogesh Patel 11/28/2024

FROM 0.96000ml of E3817 + 0.01000ml of SP6629 + 0.04000ml of SP6656 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3345	8270-SIM MDL-0.2PPM CALIBRATION SOLUTION	SP6662	10/24/2024	02/08/2025	Jagrut Upadhyay	None	None	Yogesh Patel 11/28/2024

FROM 0.50000ml of E3817 + 0.01000ml of SP6629 + 0.50000ml of SP6661 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3346	8270-SIM MDL-0.1PPM CALIBRATION SOLUTION	SP6663	10/24/2024	02/08/2025	Jagrut Upadhyay	None	None	Yogesh Patel 11/28/2024

FROM 0.75000ml of E3817 + 0.01000ml of SP6629 + 0.25000ml of SP6661 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3491	8270-SIM-Surrogate 0.4 PPM	SP6666	10/29/2024	04/10/2025	Jagrut Upadhyay	None	None	Yogesh Patel 11/28/2024

FROM 0.00800ml of S12189 + 0.01600ml of S12207 + 0.04000ml of S11831 + 199.93600ml of E3818 = Final Quantity: 200.000 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3493	Internal Standard 0.4 PPM	SP6682	11/15/2024	05/09/2025	Jagrut Upadhyay	None	None	Yogesh Patel 12/03/2024

FROM 0.10000ml of S12328 + 4.90000ml of E3828 = Final Quantity: 5.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3355	8270-SIM MDL-3.2PPM CALIBRATION STOCK SOL- 2ND SOURCE	SP6683	11/15/2024	04/10/2025	Jagrut Upadhyay	None	None	Yogesh Patel 12/03/2024

FROM 0.00630ml of S12189 + 0.01280ml of S12208 + 0.03200ml of S11074 + 0.03200ml of S11831 + 0.06400ml of S12142 + 0.06400ml of S12469 + 0.06400ml of S12517 + 19.72490ml of E3828 = Final Quantity: 20.000 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3356	8270-SIM MDL-0.4PPM CALIBRATION SOL ICV-2ND SOURCE	SP6684	11/15/2024	04/10/2025	Jagrut Upadhyay	None	None	Yogesh Patel 12/03/2024

FROM 0.87500ml of E3828 + 0.01000ml of SP6682 + 0.12500ml of SP6683 = Final Quantity: 1.010 ml

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	313201	07/01/2025	01/03/2024 / Rajesh	07/20/2023 / Rajesh	E3551

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19510-5 / Sodium Hydroxide Pellets 2.5 Kg, Pk of 4	23B1556310	12/31/2025	12/04/2023 / Rajesh	12/01/2023 / Rajesh	E3657

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24D1962005	12/08/2024	06/08/2024 / Rajesh	05/31/2024 / Rajesh	E3759

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24E2462004	01/08/2025	07/08/2024 / Rajesh	06/21/2024 / Rajesh	E3768

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	23H1462005	04/23/2025	08/13/2024 / Rajesh	08/13/2024 / Rajesh	E3788

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24G2362009	03/09/2025	09/09/2024 / Rajesh	09/03/2024 / Rajesh	E3791

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24H2762011	04/09/2025	10/09/2024 / Rajesh	10/09/2024 / Rajesh	E3817

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	04/23/2025	10/23/2024 / Rajesh	10/09/2024 / Rajesh	E3818

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24G0862003	05/09/2025	11/09/2024 / Rajesh	11/04/2024 / Rajesh	E3828

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24H2762011	06/06/2025	12/06/2024 / Rajesh	11/11/2024 / Rajesh	E3845

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L)	0000281827	06/02/2025	06/01/2022 /	04/05/2022 / william	M5173

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-112090-04 / CLP Acid Surrogate Solution, 7500 mg/L, 1ml	440246	02/08/2025	08/08/2024 / Jagrut	12/09/2021 / Christian	S10103

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31615 / SV Mixture, GC/MS Tuning Mixture, CH2Cl2, 1mL,	A0182667	01/15/2025	07/15/2024 / Rahul	03/18/2022 / Christian	S10247

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555872 / Custom Standard, pentachlorophenol Std [CS 5328-5]	A0193449	02/20/2025	08/20/2024 / yogesh	01/13/2023 / Christian	S11011

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0187043	05/15/2025	11/15/2024 / Jagrut	02/06/2023 / Christian	S11074

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	z-110381-01 / 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1ml	495831	02/08/2025	08/08/2024 / Jagrut	02/07/2023 / Christian	S11097

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110094-02 / CLP Base/Neutral Surrogate Solution, 5000 mg/L, 1ml	506889	02/08/2025	08/08/2024 / Jagrut	08/11/2023 / Yogesh	S11494

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	02/21/2025	08/21/2024 / Jagrut	11/21/2023 / Rahul	S11792

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	33913 / SOM01.0 SIM Analysis Standard (Surrogate), 2000 PPM	A0201976	04/11/2025	10/11/2024 / Jagrut	11/21/2023 / rahul	S11831

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0201320	12/05/2024	06/05/2024 / Rahul	12/21/2023 / Rahul	S12029

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110816-01 / Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL, (Maximum Expiration: 180 Days)	414127	02/08/2025	08/08/2024 / Jagrut	01/31/2024 / Rahul	S12077

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110816-01 / Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL, (Maximum Expiration: 180 Days)	414127	04/24/2025	10/24/2024 / Jagrut	01/31/2024 / Rahul	S12079

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0207706	02/12/2025	08/12/2024 / Rahul	02/05/2024 / Rahul	S12105

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	z-010223-01 / 1,4-Dioxane Solution, 2,000mg/L, 1ml	454157	02/09/2025	08/09/2024 / Jagrut	03/08/2024 / Rahul	S12113

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0203726	02/12/2025	08/12/2024 / Rahul	03/15/2024 / Rahul	S12126

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0203726	04/30/2025	11/14/2024 / anahy	03/15/2024 / Rahul	S12142

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	04/10/2025	10/10/2024 / anahy	03/15/2024 / Rahul	S12189

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	04/10/2025	10/10/2024 / anahy	03/15/2024 / Rahul	S12207

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	05/15/2025	11/15/2024 / Jagrut	03/15/2024 / Rahul	S12208

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0206540	03/04/2025	09/04/2024 / anahy	05/30/2024 / Rahul	S12314

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0206540	05/13/2025	11/13/2024 / anahy	05/30/2024 / Rahul	S12328

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	02/12/2025	08/12/2024 / Rahul	07/23/2024 / RAHUL	S12453

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	05/14/2025	11/14/2024 / anahy	07/23/2024 / RAHUL	S12469

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	05/14/2025	11/14/2024 / anahy	07/23/2024 / RAHUL	S12517

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-112090-04	440246	≤ -10 °C	Methylene Chloride	2/16/2026	CLP Acid Surrogate Solution, 7,500 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
2-chlorophenol-d_4	93951-73-6	99.3	248.12.7P	7487 ± 17.2
2-fluorophenol	367-12-4	99.8	10.7.3.3P	7513 ± 17.26
phenol-d6	13127-88-3	99.9	949.120.8P	7481 ± 17.19
2,4,6-tribromophenol	118-79-6	99.8	12.1.6P	7469 ± 17.17

Received on
02/25/21
by
CG

S9236
to
S9240

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: Erica Castiglione
Erica Castiglione
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Received on 02/07/23 by CG

~~S11097~~ S11096 to S11099

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110381-01	495831	≤ -10 °C	Methylene Chloride	10/30/2027	Method 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acenaphthene	83-32-9	99.9	13.1.5P	1003 ± 17.27
acenaphthylene	208-96-8	97.6	14.290.1P	999.8 ± 17.22
aniline	62-53-3	99.9	64.7.1P	995 ± 17.13
anthracene	120-12-7	99.5	15.7.1P	1001 ± 17.24
azobenzene	103-33-3	98.1	252.7.2P	999.1 ± 17.21
benzo[a]anthracene	56-55-3	100	16.7.3P	1001 ± 17.24
benzo[b]fluoranthene	205-99-2	99.8	17.421.3P	1001 ± 19.91
benzo[k]fluoranthene	207-08-9	98.9	18.421.4P	1001 ± 17.92
benzo[ghi]perylene	191-24-2	93	19.286.4P	999.6 ± 19.88
benzo[a]pyrene	50-32-8	97	20.286.2P	999.1 ± 26.35
benzyl alcohol	100-51-6	99.9	65.18.1P	1001 ± 17.24
bis(2-chloroethoxy)methane	111-91-1	99.1	31.3.15P	999.7 ± 17.89
bis(2-chloroethyl)ether	111-44-4	99.8	32.7.1P	1001 ± 17.23
bis(2-chloro-1-methylethyl) ether	108-60-1	99.5	34.3.13P	999.5 ± 17.89
bis(2-ethylhexyl)adipate	103-23-1	99.5	874.7.1P	999.5 ± 17.21
bis(2-ethylhexyl)phthalate	117-81-7	99.4	33.29.1P	998.8 ± 19.86
4-bromophenyl phenyl ether	101-55-3	99.4	35.7.1P	999.1 ± 17.2
butyl benzyl phthalate	85-68-7	98.4	36.1.6P	984.7 ± 19.58
carbazole	86-74-8	99.4	239.7.2P	1000 ± 17.22

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: Briana Smith

Briana Smith
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

Certificate of Analysis

Catalog No.: Z-110381-01 **Lot No.:** 495831 **Expiration Date:** 10/30/2027

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2,4-trichlorobenzene	120-82-1	99.6	54.29.1P	1000 ± 17.22
2,4,5-trichlorophenol	95-95-4	96.5	121.7.1.1P	1000 ± 17.22
2,4,6-trichlorophenol	88-06-2	99.6	113.7.1P	1002 ± 17.25

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: Briana Smith

Briana Smith
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

RESTEK®
110 Benner Circle
Bellefonte, PA 16823-8812
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Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received on 03/18/22 by CG S10242 to S10247

Catalog No. : 31615 **Lot No.:** A0182667

Description : GC/MS Tuning Mixture

GC/MS Tuning Mixture 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2025 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Pentachlorophenol		1,003.6 µg/mL	+/- 5.8897	µg/mL	Gravimetric
	CAS # 87-86-5	(Lot 211229RSR)		+/- 45.7132	µg/mL	Unstressed
	Purity 99%			+/- 66.0037	µg/mL	Stressed
2	DFTPP (Decafluorotriphenylphosphine)		1,006.6 µg/mL	+/- 5.9074	µg/mL	Gravimetric
	CAS # 5074-71-5	(Lot Q117-147)		+/- 45.8508	µg/mL	Unstressed
	Purity 95%			+/- 66.2023	µg/mL	Stressed
3	Benzidine		1,008.4 µg/mL	+/- 5.9179	µg/mL	Gravimetric
	CAS # 92-87-5	(Lot 211228JLM)		+/- 45.9318	µg/mL	Unstressed
	Purity 99%			+/- 66.3193	µg/mL	Stressed
4	4,4'-DDT		1,007.6 µg/mL	+/- 5.9132	µg/mL	Gravimetric
	CAS # 50-29-3	(Lot 210916JLM)		+/- 45.8954	µg/mL	Unstressed
	Purity 99%			+/- 66.2667	µg/mL	Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

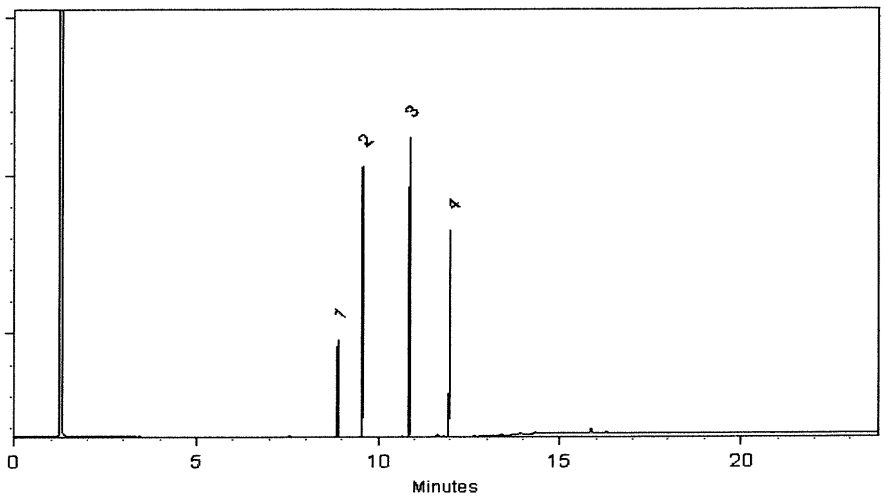
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 08-Mar-2022 **Balance:** B345965662

Merlina Cowan - Operations Tech I

Date Passed: 10-Mar-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK®
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
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Certificate #3222.01

ACCREDITED
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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received on 02/06/23 by CG

S11071 to S11075

Catalog No. : 31853 **Lot No.:** A0187043

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	1,4-Dioxane	2,019.0 µg/mL	+/- 11.8486	µg/mL	Gravimetric
	CAS # 123-91-1 (Lot SHBN5929)		+/- 43.2570	µg/mL	Unstressed
	Purity 99%		+/- 44.5129	µg/mL	Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

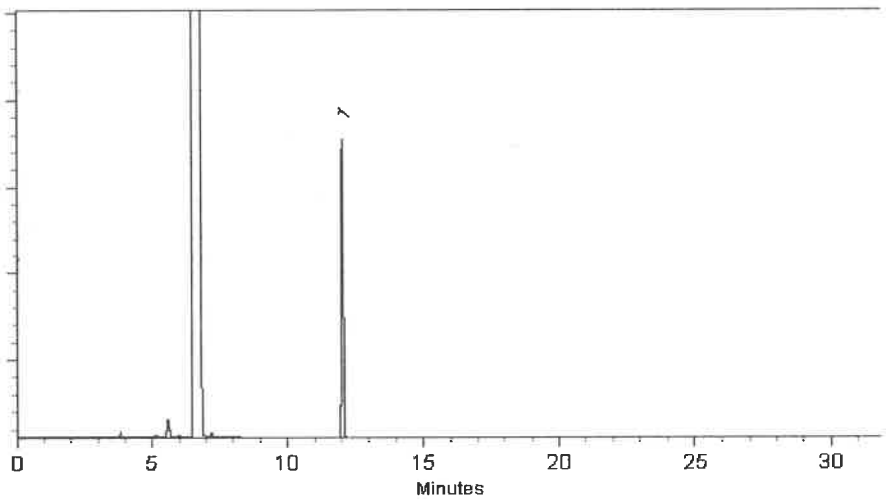
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Brittany Federinko - Operations Tech I

Date Mixed: 07-Jul-2022 **Balance:** 1128360905

Marlina Cowan – Operations Tech II ARM QC

Date Passed: 12-Jul-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received on 01/13/23 by CG S11011 to S11015

Catalog No. : 555872 **Lot No.:** A0193449

Description : Custom Pentachlorophenol Standard

Custom Pentachlorophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachlorophenol	87-86-5	RP221012	99%	25,050.0 µg/mL	+/- 778.6378

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer - Operations Technician I

Date Mixed: 11-Jan-2023 **Balance:** B442140311

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

PRODUCTOS QUIMICOS MONTERREY, S.A. DE C.V.

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MEXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na_2SO_4
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na_2SO_4)	Min. 99.0%	99.7 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.1
Insoluble matter	Max. 0.01%	0.005 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO_4)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.002 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.003 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreing matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.1 %
Retained on US Standard No. 60 sieve	Min. 94%	97.3 %
Through US Standard No. 60 sieve	Max. 5%	2.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

RG-02-01, Ed. 3

Recd. by RP on 7/24/23 E3551

VWR®

Certificate of Analysis

Sodium Hydroxide (Pellets)

Material: 0583
Grade: ACS GRADE
Batch Number: 23B1556310

Chemical Formula: NaOH
Molecular Weight: 40
CAS #: 1310-73-2
Appearance:

Pellets

Manufacture Date: 12/14/2022
Expiration Date: 12/31/2025

Storage: Room Temperature

TEST	SPECIFICATION	ANALYSIS	DISPOSITION
Calcium	<= 0.005 %	<0.005 %	PASS
Chloride	<= 0.005 %	0.002 %	PASS
Heavy Metals	<= 0.002 %	<0.002 %	PASS
Iron	<= 0.001 %	<0.001 %	PASS
Magnesium	<= 0.002 %	<0.002 %	PASS
Mercury	<= 0.1 ppm	<0.1 ppm	PASS
Nickel	<= 0.001 %	<0.001 %	PASS
Nitrogen Compounds	<= 0.001 %	<0.001 %	PASS
Phosphate	<= 0.001 %	<0.001 %	PASS
Potassium	<= 0.02 %	<0.02 %	PASS
Purity	>= 97.0 %	99.2 %	PASS
Sodium Carbonate	<= 1.0 %	0.5 %	PASS
Sulfate	<= 0.003 %	<0.003 %	PASS

Internal ID #: 710

Signature

We certify that this batch conforms to the specifications listed.

This document has been electronically produced and is valid without a signature.

Leona Edwardson, Quality Control Sr. Manager - Solon
VWR Chemicals, LLC.
28600 Fountain Parkway, Solon OH 44139 USA

Additional Information

Analysis may have been rounded to significant digits in specification limits.

Product meets analytical specifications of the grades listed.

E 3657	E 3659
E 3654	E 3660

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker®

Material No.: 9266-A4
Batch No.: 24D1962005
Manufactured Date: 2024-03-16
Expiration Date: 2025-06-15
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	8
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	≥ 99.8 %	99.9 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Titrable Acid (µeq/g)	≤ 0.3	< 0.1
Chloride (Cl)	≤ 10 ppm	< 5 ppm
Water (by KF, coulometric)	≤ 0.02 %	< 0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC
Manufacturer source batch: MG24C16563

E 3759

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

PO: PO1-8886 PRODUCT CODE: SHIP DATE: 6/21/2024

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker

Material No.: 9266-A4
Batch No.: 24E2462004
Manufactured Date: 2024-04-10
Expiration Date: 2025-07-10
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	3
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	≥ 99.8 %	100.0 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Titrable Acid (µeq/g)	≤ 0.3	< 0.1
Chloride (Cl)	≤ 10 ppm	5 ppm
Water (by KF, coulometric)	≤ 0.02 %	< 0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC
Manufacturer source batch: MG24D10725

E 3768

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone 610.386.1700

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker®

Material No.: 9254-03
Batch No.: 23H1462005
Manufactured Date: 2023-07-26
Expiration Date: 2026-07-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected for water)	≥ 99.4 %	99.7 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	≤ 0.3	0.1
Titrable Base (µeq/g)	≤ 0.6	< 0.1
Water (H_2O)	≤ 0.5 %	0.3 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 8/13/24

E 3788

Ken Koehnlein
Sr. Manager, Quality Assurance

PO: PO2-76 PRODUCT CODE: SHIP DATE: 9/3/2024

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker®

Material No.: 9266-A4
Batch No.: 24G2362009
Manufactured Date: 2024-06-10
Expiration Date: 2025-09-09
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	2
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	≥ 99.8 %	100.0 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Titrable Acid (µeq/g)	≤ 0.3	< 0.1
Chloride (Cl)	≤ 10 ppm	< 5 ppm
Water (by KF, coulometric)	≤ 0.02 %	< 0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC
Manufacturer source batch: MG24F10024

E 3791

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone 610.386.1700

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker®

Material No.: 9266-A4
Batch No.: 24H2762011
Manufactured Date: 2024-06-05
Expiration Date:2025-09-04
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	2
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	5
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.3 ppm
Titrable Acid (µeq/g)	<= 0.3	<0.1
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3817

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

PO: PO2-329 PRODUCT CODE: SHIP DATE: 9/30/2024

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H1462005
Manufactured Date: 2024-05-24
Expiration Date:2027-05-24
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 10/9/24

E 3818

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

Page 1 of 1

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker

Material No.: 9266-A4
Batch No.: 24J0862003
Manufactured Date: 2024-09-12
Expiration Date:2025-12-12
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	2
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	<= 0.3	<0.1
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3828

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker

Material No.: 9266-A4
Batch No.: 24H2762011
Manufactured Date: 2024-06-05
Expiration Date:2025-09-04
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	2
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	5
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.3 ppm
Titrable Acid (µeq/g)	<= 0.3	<0.1
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3845

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Hydrochloric Acid, 36.5-38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

avantor™ | J.T.Baker®

Material No.: 9530-33
Batch No.: 0000281827
Manufactured Date: 2021/03/30
Retest Date: 2026/03/29
Revision No: 1

Certificate of Analysis

Test	Specification	Result
ACS - Assay (as HCl) (by acid-base titrn)	36.5 - 38.0 %	37.6
ACS - Color (APHA)	<= 10	5
ACS - Residue after Ignition	<= 3 ppm	1
ACS - Specific Gravity at 60°/60°F	1.185 - 1.192	1.189
ACS - Bromide (Br)	<= 0.005 %	< 0.005
ACS - Extractable Organic Substances	<= 5 ppm	< 1
ACS - Free Chlorine (as Cl_2)	<= 0.5 ppm	< 0.5
Phosphate (PO_4)	<= 0.05 ppm	< 0.03
Sulfate (SO_4)	<= 0.5 ppm	< 0.3
Sulfite (SO_3)	<= 0.8 ppm	0.3
Ammonium (NH_4)	<= 3 ppm	< 1
Trace Impurities - Arsenic (As)	<= 0.010 ppm	< 0.003
Trace Impurities - Aluminum (Al)	<= 10.0 ppb	0.5
Arsenic and Antimony (as As)	<= 5 ppb	< 3
Trace Impurities - Barium (Ba)	<= 1.0 ppb	< 0.2
Trace Impurities - Beryllium (Be)	<= 1.0 ppb	< 0.2
Trace Impurities - Bismuth (Bi)	<= 10.0 ppb	< 1.0
Trace Impurities - Boron (B)	<= 20.0 ppb	< 5.0
Trace Impurities - Cadmium (Cd)	<= 1.0 ppb	< 0.3
Trace Impurities - Calcium (Ca)	<= 50.0 ppb	15.0
Trace Impurities - Chromium (Cr)	<= 1.0 ppb	< 0.4
Trace Impurities - Cobalt (Co)	<= 1.0 ppb	< 0.3
Trace Impurities - Copper (Cu)	<= 1.0 ppb	< 0.1
Trace Impurities - Gallium (Ga)	<= 1.0 ppb	< 0.2

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

Material No.: 9530-33
Batch No.: 0000281827

Test	Specification	Result
Trace Impurities - Germanium (Ge)	<= 3.0 ppb	< 2.0
Trace Impurities - Gold (Au)	<= 4.0 ppb	3.0
Heavy Metals (as Pb)	<= 100 ppb	< 50
Trace Impurities - Iron (Fe)	<= 15.0 ppb	1.0
Trace Impurities - Lead (Pb)	<= 1.0 ppb	< 0.5
Trace Impurities - Lithium (Li)	<= 1.0 ppb	< 0.2
Trace Impurities - Magnesium (Mg)	<= 10.0 ppb	< 0.4
Trace Impurities - Manganese (Mn)	<= 1.0 ppb	< 0.4
Trace Impurities - Mercury (Hg)	<= 0.5 ppb	0.2
Trace Impurities - Molybdenum (Mo)	<= 10.0 ppb	< 5.0
Trace Impurities - Nickel (Ni)	<= 4.0 ppb	< 0.3
Trace Impurities - Niobium (Nb)	<= 1.0 ppb	< 0.2
Trace Impurities - Potassium (K)	<= 9.0 ppb	< 2.0
Trace Impurities - Selenium (Se), For Information Only	ppb	1.0
Trace Impurities - Silicon (Si)	<= 100.0 ppb	18.0
Trace Impurities - Silver (Ag)	<= 1.0 ppb	< 0.3
Trace Impurities - Sodium (Na)	<= 100.0 ppb	< 5.0
Trace Impurities - Strontium (Sr)	<= 1.0 ppb	< 0.2
Trace Impurities - Tantalum (Ta)	<= 1.0 ppb	< 0.9
Trace Impurities - Thallium (Tl)	<= 5.0 ppb	< 2.0
Trace Impurities - Tin (Sn)	<= 5.0 ppb	< 0.8
Trace Impurities - Titanium (Ti)	<= 1.0 ppb	< 0.2
Trace Impurities - Vanadium (V)	<= 1.0 ppb	< 0.2
Trace Impurities - Zinc (Zn)	<= 5.0 ppb	0.4
Trace Impurities - Zirconium (Zr)	<= 1.0 ppb	< 0.1

For Laboratory, Research or Manufacturing Use
Product Information (not specifications):
Appearance (clear, fuming liquid)
Meets ACS Specifications

Country of Origin: US
Packaging Site: Phillipsburg Mfg Ctr & DC

James Ethier
Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110094-02	506889	≤ -10 °C	Methylene Chloride	7/25/2028	CLP Base/Neutral Surrogate Solution, 5,000 mg/L, 1 ml

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2-dichlorobenzene-d_4	2199-69-1	99.7	247.29.3P	5035 ± 28.02
2-fluorobiphenyl	321-60-8	99.69	8.286.1.1P	4999 ± 103.66
nitrobenzene-d5	4165-60-0	99.67	7.9.3P	4988 ± 27.32
p-terphenyl-d14	1718-51-0	99.3	9.120.8P	5005 ± 27.85

511494 to 511498 } Y.P. 08/11/2023

*Not a certified value

Certified By: _____

Clint Tipton
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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Fax: 1-814-353-1309

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chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0196453

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

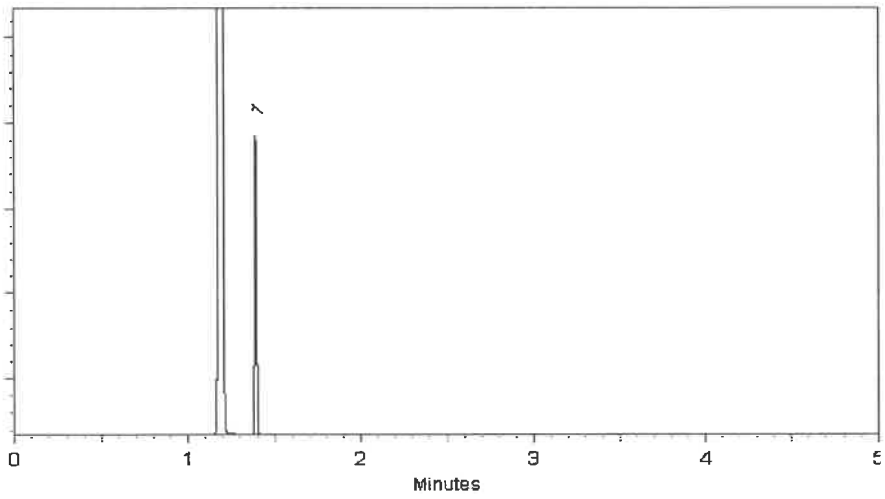
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 33913 **Lot No.:** A0201976

Description : SOM01.0 SIM Analysis Standard

SOM01.0 SIM Analysis Standard 2000µg/mL, Methylene chloride, 1mL /ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2029 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S11828 ↓ S11832 RC/ 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Methylnaphthalene-d10	7297-45-2	EF-135	98%	2,015.9 µg/mL	+/- 90.8098
2	Fluoranthene-d10	93951-69-0	PR-32557	99%	2,020.0 µg/mL	+/- 90.9963

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

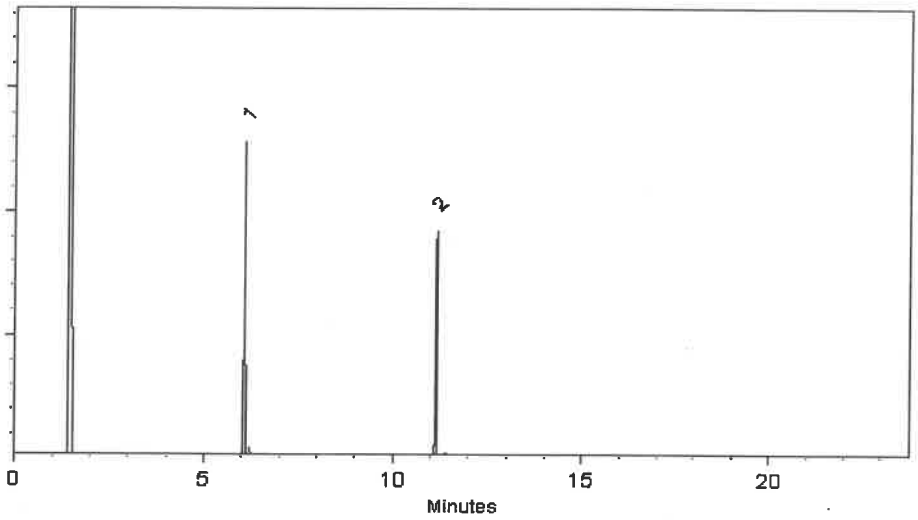
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Dakota Parson - Operations Technician I **Date Mixed:** 13-Sep-2023 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 28-Sep-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31206 **Lot No.:** A0201320

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

S12013 ↓ S12042 RC 12/26/23

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2029 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,017.0 µg/mL	+/- 90.8469
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,011.3 µg/mL	+/- 90.5917
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,008.6 µg/mL	+/- 90.4685
4	Phenanthrene-d10	1517-22-2	PR-32303	99%	2,019.4 µg/mL	+/- 90.9550
5	Chrysene-d12	1719-03-5	PR-32210	99%	2,013.7 µg/mL	+/- 90.6968
6	Perylene-d12	1520-96-3	PR-33205	99%	2,012.7 µg/mL	+/- 90.6517

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

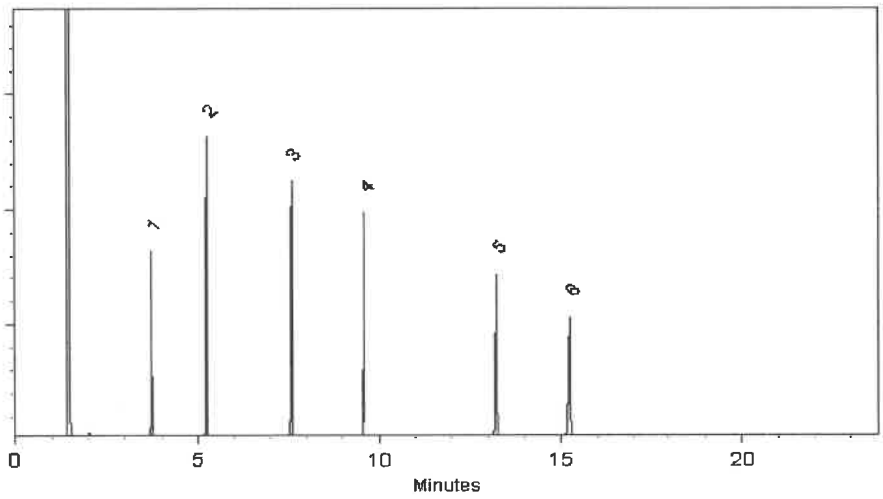
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Peter Robbins - Operations Technician I

Date Mixed: 23-Aug-2023 **Balance Serial #** B345965662

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 25-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110816-01	414127	≤ -10 °C	Methylene Chloride	6/21/2025	Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
atrazine	1912-24-9	99.5	337.7.3P	997 ± 5.81
benzidine	92-87-5	99.9	124.18.6.2P	991.8 ± 5.77
caprolactam	105-60-2	99.9	271.1.6P	999 ± 5.82

S12075
↓
S12079
RC
02/01/24

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: _____
Shane Overcash
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110816-01	414127	≤ -10 °C	Methylene Chloride	6/21/2025	Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
atrazine	1912-24-9	99.5	337.7.3P	997 ± 5.81
benzidine	92-87-5	99.9	124.18.6.2P	991.8 ± 5.77
caprolactam	105-60-2	99.9	271.1.6P	999 ± 5.82

S12075
↓
S12079
RC
02/01/24

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: _____
Shane Overcash
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** A0207706

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

S12082 ↓ S12111 RC/ 02/22/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,001.0 µg/mL	+/- 29.424320
2	Acetophenone	98-86-2	STBH8205	99%	1,004.0 µg/mL	+/- 29.512504
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,005.0 µg/mL	+/- 29.541899
4	Benzoic acid	65-85-0	MKCR2694	99%	1,003.0 µg/mL	+/- 29.483110
5	Biphenyl	92-52-4	MKCL6515	99%	1,006.0 µg/mL	+/- 29.571294

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

John Friedline - Operations Technician I

Date Mixed: 12-Feb-2024 **Balance:** B345965662

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-020223-01	454157	≤ -10 °C	P/T Methanol	6/10/2026	1,4-Dioxane Solution, 2000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,4-dioxane	123-91-1	100	223.1.3P	1997 ±57.08

S12112 ↓ S12116 } RC/ 03/08/24

*Not a certified value

Certified By: Melissa Workoff

Melissa Workoff
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0203726

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

S12117 ↓ S12146 RC/ 03/18/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,001.6 µg/mL	+/- 36.4412
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,005.9 µg/mL	+/- 36.5968
3	Phenol	108-95-2	MKCK1120	99%	1,003.3 µg/mL	+/- 36.5038
4	Aniline	62-53-3	X22F726	99%	1,005.8 µg/mL	+/- 36.5928
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,008.1 µg/mL	+/- 36.6776
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,001.8 µg/mL	+/- 36.4492
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,002.3 µg/mL	+/- 36.4654
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.7 µg/mL	+/- 36.5159
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,008.7 µg/mL	+/- 36.6979
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,000.3 µg/mL	+/- 36.3926
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,003.5 µg/mL	+/- 36.5099
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	504.3 µg/mL	+/- 18.3500
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.6 µg/mL	+/- 18.3237
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/-	36.5988
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/-	36.4998
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/-	36.5200
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/-	36.4573
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/-	36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/-	36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/-	36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/-	36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/-	36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/-	36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/-	36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/-	36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/-	36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/-	36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/-	36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/-	36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/-	36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/-	36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/-	36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/-	36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/-	36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/-	36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/-	36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/-	36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/-	36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/-	36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/-	36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/-	36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/-	36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/-	36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/-	36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/-	36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/-	36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/-	36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/-	36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/-	36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCCK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0203726

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

S12117 ↓ S12146 RC/ 03/18/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,001.6 µg/mL	+/- 36.4412
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,005.9 µg/mL	+/- 36.5968
3	Phenol	108-95-2	MKCK1120	99%	1,003.3 µg/mL	+/- 36.5038
4	Aniline	62-53-3	X22F726	99%	1,005.8 µg/mL	+/- 36.5928
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,008.1 µg/mL	+/- 36.6776
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,001.8 µg/mL	+/- 36.4492
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,002.3 µg/mL	+/- 36.4654
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.7 µg/mL	+/- 36.5159
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,008.7 µg/mL	+/- 36.6979
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,000.3 µg/mL	+/- 36.3926
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,003.5 µg/mL	+/- 36.5099
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	504.3 µg/mL	+/- 18.3500
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.6 µg/mL	+/- 18.3237
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/-	36.5988
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/-	36.4998
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/-	36.5200
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/-	36.4573
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/-	36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/-	36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/-	36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/-	36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/-	36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/-	36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/-	36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/-	36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/-	36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/-	36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/-	36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/-	36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/-	36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/-	36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/-	36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/-	36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/-	36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/-	36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/-	36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/-	36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/-	36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/-	36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/-	36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/-	36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/-	36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/-	36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/-	36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/-	36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/-	36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/-	36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/-	36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/-	36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCCK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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Certificate of Analysis

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ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

S12187 ↓ S12206 } RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

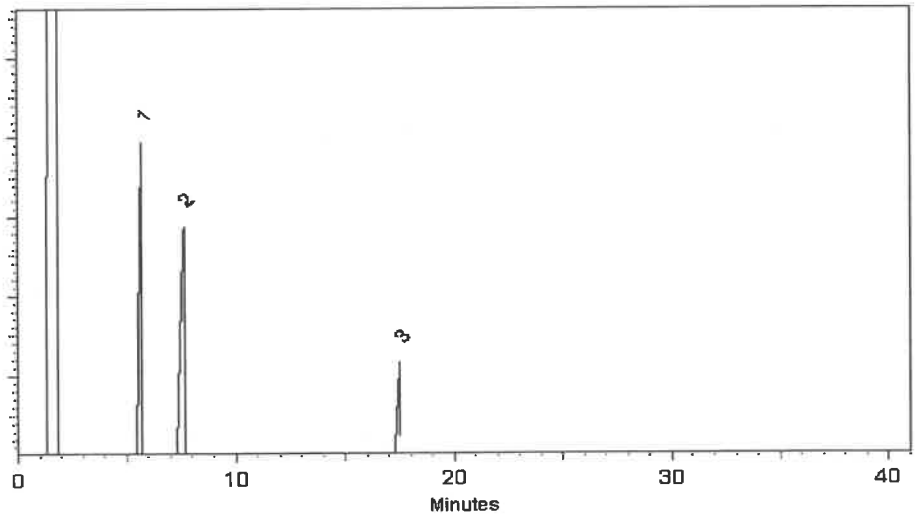
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

S12207 ↓ S12221 RC/ 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

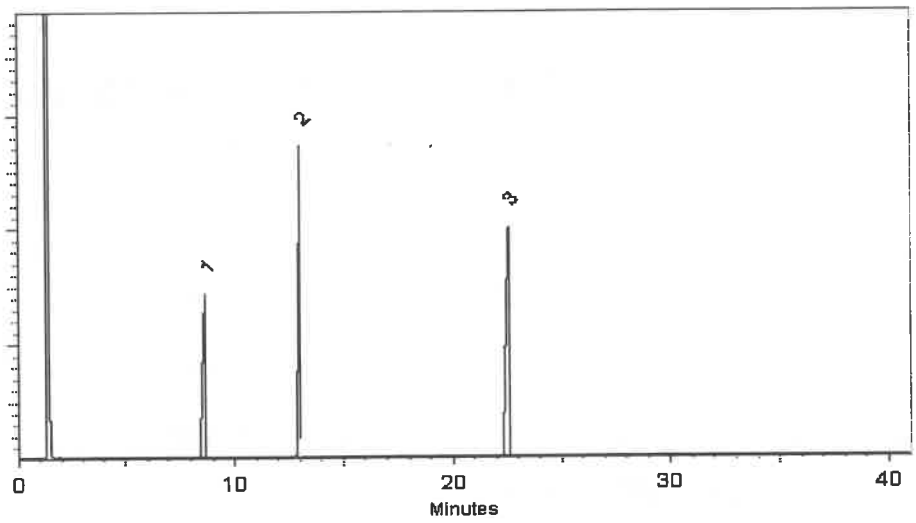
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

S12207 ↓ S12221 RC/ 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

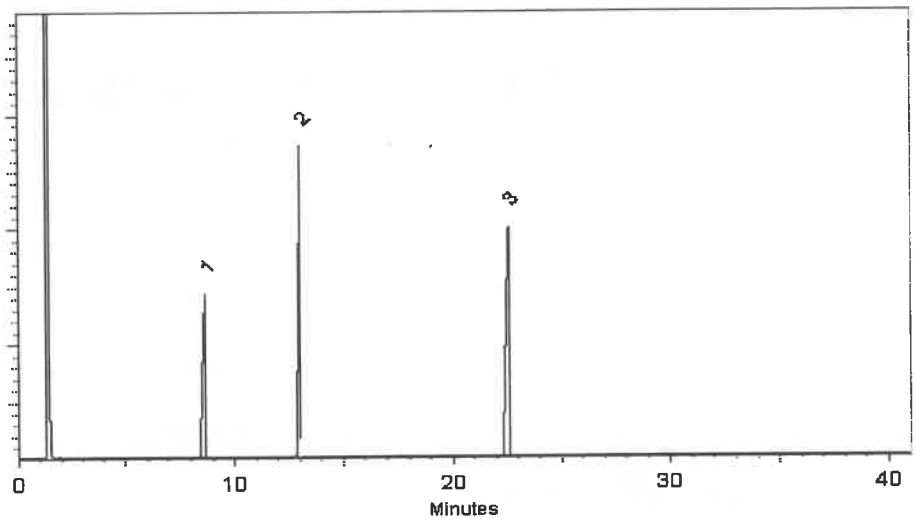
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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S12312 ↓ S12331 } RC/ 05/30/24

Catalog No. : 31206 **Lot No.:** A0206540

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,007.1 µg/mL	+/- 90.4025
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,005.9 µg/mL	+/- 90.3454
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,007.9 µg/mL	+/- 90.4385
4	Phenanthrene-d10	1517-22-2	PR-32303	99%	2,006.7 µg/mL	+/- 90.3845
5	Chrysene-d12	1719-03-5	PR-32210	99%	2,015.5 µg/mL	+/- 90.7778
6	Perylene-d12	1520-96-3	PR-33205	99%	2,014.7 µg/mL	+/- 90.7448

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

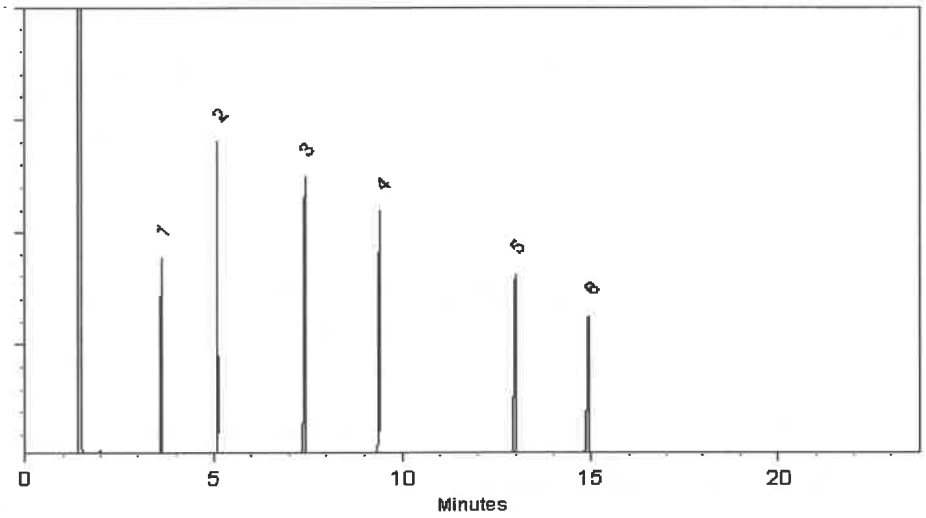
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Malina Homan - Operations Technician I

Date Mixed: 12-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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S12312 ↓ S12331 } RC/ 05/30/24

Catalog No. : 31206 **Lot No.:** A0206540

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,007.1 µg/mL	+/- 90.4025
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,005.9 µg/mL	+/- 90.3454
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,007.9 µg/mL	+/- 90.4385
4	Phenanthrene-d10	1517-22-2	PR-32303	99%	2,006.7 µg/mL	+/- 90.3845
5	Chrysene-d12	1719-03-5	PR-32210	99%	2,015.5 µg/mL	+/- 90.7778
6	Perylene-d12	1520-96-3	PR-33205	99%	2,014.7 µg/mL	+/- 90.7448

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

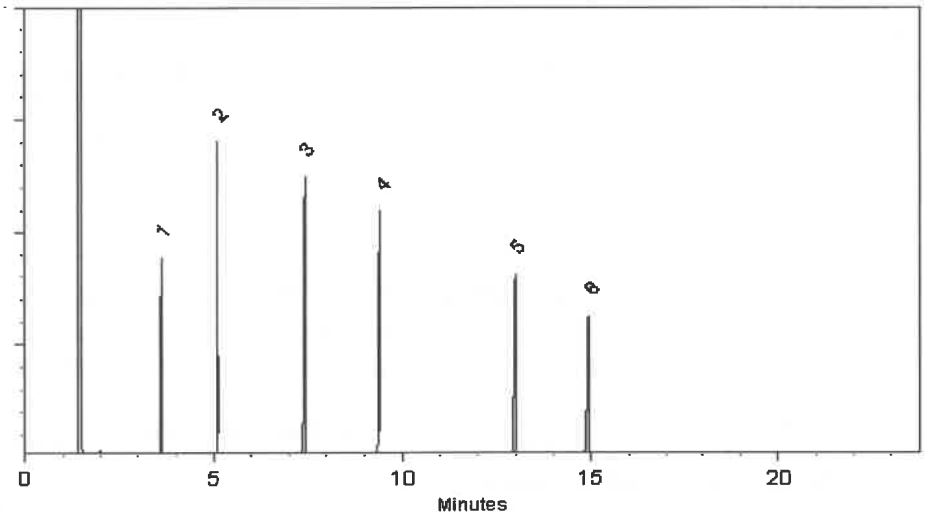
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Malina Homan - Operations Technician I

Date Mixed: 12-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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CERTIFIED REFERENCE MATERIAL

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

SHIPPING DOCUMENTS

CHEMTECH
CHAIN OF CUSTODY RECORD

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

CHEMTECH PROJECT NO. QUOTE NO. P5261
COC Number 2041880

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: RESOLUTION
ADDRESS:
CITY STATE: ZIP:
ATTENTION: ELEANOR VIVAUDOU
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: NWRP BETHPAGE
PROJECT NO.: 60738Z LOCATION: BETHPAGE
PROJECT MANAGER: E. VIVAUDOU
e-mail: ELEANOR.VIVAUDOU@AECOM.COM
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: E. VIVAUDOU PO#:
ADDRESS: 27 ELLIS PLACE
CITY OSSINING STATE: NY ZIP: 10562
ATTENTION: E. VIVAUDOU PHONE:

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

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

ANALYSIS

1 VOCs 8260 2 1,4 DIOXANE SIM 8270 3. 4 5 6 7 8 9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES A/E	PRESERVATIVES E	3	4	5	6	7	8	9	COMMENTS
								1	2								← Specify Preservatives: A-HCl, B-HN03, C-H2SO4, D-NaOH, E-ICE, F-OTHER
1.	RE122D1-20241209	GW		X	12-9-24	1145	3	Z	1								
2.	RE122D2-20241209	GW		X		0915	3	Z	1								
3.	RE122D3-20241209	GW		X		1010	3	Z	1								
4.	RE103D1-20241209	GW		X		0830	3	Z	1								
5.	RE103D2-20241209	GW		X		1040	3	Z	1								
6.	RE103D3-20241209	GW		X		0930	3	Z	1								
7.	RE134D1-20241209	GW		X		1248	3	Z	1								
8.	DUP-01-20241209	GW		X	✓	—	3	Z	1								
9.	RE134D3-20241210	GW		X	12-10-24	0845	3	Z	1								
10.	RE134D4-20241210	GW		X	12-10-24	0945	3	Z	1								

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

	DATE/TIME		
1. RELINQUISHED BY SAMPLER:	12-10-24	1. RECEIVED BY:	1505 12-11-24
2. RELINQUISHED BY SAMPLER:	DATE/TIME:	2. RECEIVED BY:	
3. RELINQUISHED BY SAMPLER:	DATE/TIME: 1920 12-11-24	3. RECEIVED BY:	

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.8 °C
Comments:

Page 1 of 2

CLIENT: ☐ Hand Delivered ☐ Other
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete ☐ YES ☐ NO

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CHEMTECH
CHAIN OF CUSTODY RECORD

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

CHEMTECH PROJECT NO. P5261
QUOTE NO.
COC Number 2041882

CLIENT INFORMATION
REPORT TO BE SENT TO:
COMPANY: RESOLUTION
ADDRESS:
CITY STATE: ZIP:
ATTENTION: ELEANOR VIVAUDOU
PHONE: FAX:

CLIENT PROJECT INFORMATION
PROJECT NAME: NWIRP BETHPAGE
PROJECT NO.: 60731872 LOCATION: BETHPAGE
PROJECT MANAGER: ELEANOR VIVAUDOU
e-mail: ELEANOR.VIVAUDOU@AECOM.COM
PHONE: FAX:

CLIENT BILLING INFORMATION
BILL TO: E. VIVAUDOU PO#:
ADDRESS: 27 ELLIS PLACE
CITY OSSINING STATE: NY ZIP: 10563
ATTENTION: E. VIVAUDOU PHONE:

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

DATA DELIVERABLE INFORMATION
☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC + Raw Data) ☐ NYS ASP A ☐ NYS ASP B
☐ Other
☒ EDD FORMAT NYSDEC EQUIS CAT B

ANALYSIS
VOCs 8260
1,4 DIOXANE SIM 8270

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
								A/C	E								← Specify Preservatives A-HCl D-NaOH B-HN03 E-ICE C-H2SO4 F-OTHER
1.	GM3-RW3-MW-20241210	GW		X	12-10-24	1230	3	2	1								
2.	RE125D1-20241210	GW		X		1115	9	6	3								MS/MSD
3.	RE125D2-20241210	GW		X		0900	3	2	1								
4.	RE125D3-20241210	GW		X		0925	3	2	1								
5.	RE120D1-20241210	GW		X		1255	3	2	1								
6.	RE120D2-20241210	GW		X		1232	3	2	1								
7.	RE120D3-20241210	GW		X		1305	3	2	1								
8.	DUP-02-20241210	GW		X		—	3	2	1								
9.	TB	DW		X	12-11-24	—	2	2									
10.																	

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

RELINQUISHED BY SAMPLER: 1	DATE/TIME: 12-11-24	RECEIVED BY: 1	1505 12-11-24
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.	
RELINQUISHED BY SAMPLER: 3.	DATE/TIME: 1926 12-11-24	RECEIVED BY: 3.	

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.8 °C
Comments:

Page 2 of 2

CLIENT: ☐ Hand Delivered ☐ Other
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete ☐ YES ☐ NO

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CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P5261 AECO15
Client Name : AECOM Technical Service
Client Contact : Eleanor Vivadou
Invoice Name : AECOM Technical Service
Invoice Contact : Eleanor Vivadou

Order Date : 12/11/2024 3:27:00 PM
Project Name : NAVFAC NWIRP Bethpag
Receive DateTime : 12/11/2024 ~~12:00:00~~ AM 19:26
Purchase Order :

Project Mgr :
Report Type : ~~Results Only~~
EDD Type : EQUIS
Hard Copy Date :
Date Signoff :

nys cat b

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P5261-01	RE122D1-20241209	Water	12/09/2024	11:45					
					VOCMS Group1		8260-Low		10 Bus. Days
P5261-02	RE122D2-20241209	Water	12/09/2024	09:15					
					VOCMS Group1		8260-Low		10 Bus. Days
P5261-03	RE122D3-20241209	Water	12/09/2024	10:10					
					VOCMS Group1		8260-Low		10 Bus. Days
P5261-04	RE103D1-20241209	Water	12/09/2024	08:30					
					VOCMS Group1		8260-Low		10 Bus. Days
P5261-05	RE103D2-20241209	Water	12/09/2024	10:40					
					VOCMS Group1		8260-Low		10 Bus. Days
P5261-06	RE103D3-20241209	Water	12/09/2024	09:30					
					VOCMS Group1		8260-Low		10 Bus. Days
P5261-07	RE134D1-20241209	Water	12/09/2024	12:48					
					VOCMS Group1		8260-Low		10 Bus. Days
P5261-08	DUP-01-20241209	Water	12/09/2024	00:00					

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

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Purchase Order :

Project Mgr :
Report Type : ~~Results Only~~ nys cat b
EDD Type : EQUIS
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD		FAX DATE	DUE DATES
					VOCMS Group1		8260-Low	10 Bus. Days		
P5261-09	RE134D3-20241210	Water	12/10/2024	08:45						
					VOCMS Group1		8260-Low	10 Bus. Days		
P5261-10	RE134D4-20241210	Water	12/10/2024	09:45						
					VOCMS Group1		8260-Low	10 Bus. Days		
P5261-11	GM3-RW3-MW1-20241210	Water	12/10/2024	12:30						
					VOCMS Group1		8260-Low	10 Bus. Days		
P5261-12	RE125D1-20241210	Water	12/10/2024	11:15						
					VOCMS Group1		8260-Low	10 Bus. Days		
P5261-13	P5261-12MS	Water	12/10/2024	11:15						
					VOCMS Group1		8260-Low	10 Bus. Days		
P5261-14	P5261-12MSD	Water	12/10/2024	11:15						
					VOCMS Group1		8260-Low	10 Bus. Days		
P5261-15	RE125D2-20241210	Water	12/10/2024	09:08						
					VOCMS Group1		8260-Low	10 Bus. Days		

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Project Mgr :
Report Type : ~~Results Only~~ nys cat b
EDD Type : EQUIS
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P5261-16	RE125D3-20241210	Water	12/10/2024	09:25					
					VOCMS Group1		8260-Low		10 Bus. Days
P5261-17	RE120D1-20241210	Water	12/10/2024	12:55					
					VOCMS Group1		8260-Low		10 Bus. Days
P5261-18	RE120D2-20241210	Water	12/10/2024	12:32					
					VOCMS Group1		8260-Low		10 Bus. Days
P5261-19	RE120D3-2024~~09~~1210	Water	12/10/2024	13:05					
					VOCMS Group1		8260-Low		10 Bus. Days
P5261-20	DUP-02-20241210	Water	12/10/2024	00:00					
					VOCMS Group1		8260-Low		10 Bus. Days
P5261-21	TB	Water	12/10/2024	00:00					
					VOCMS Group1		8260-Low		10 Bus. Days

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

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EDD Type : EQUIS
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES

Relinguished By :
Date / Time : 12-12-24 0920

Received By :
Date / Time : 12/12/24

Storage Area : VOA Refridgerator Room

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
Data File : BN035350.D
Acq On : 27 Nov 2024 15:34
Operator : RC/JU
Sample : SSTDICC0.1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Quant Time: Nov 27 22:52:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 27 22:48:24 2024
Response via : Initial Calibration

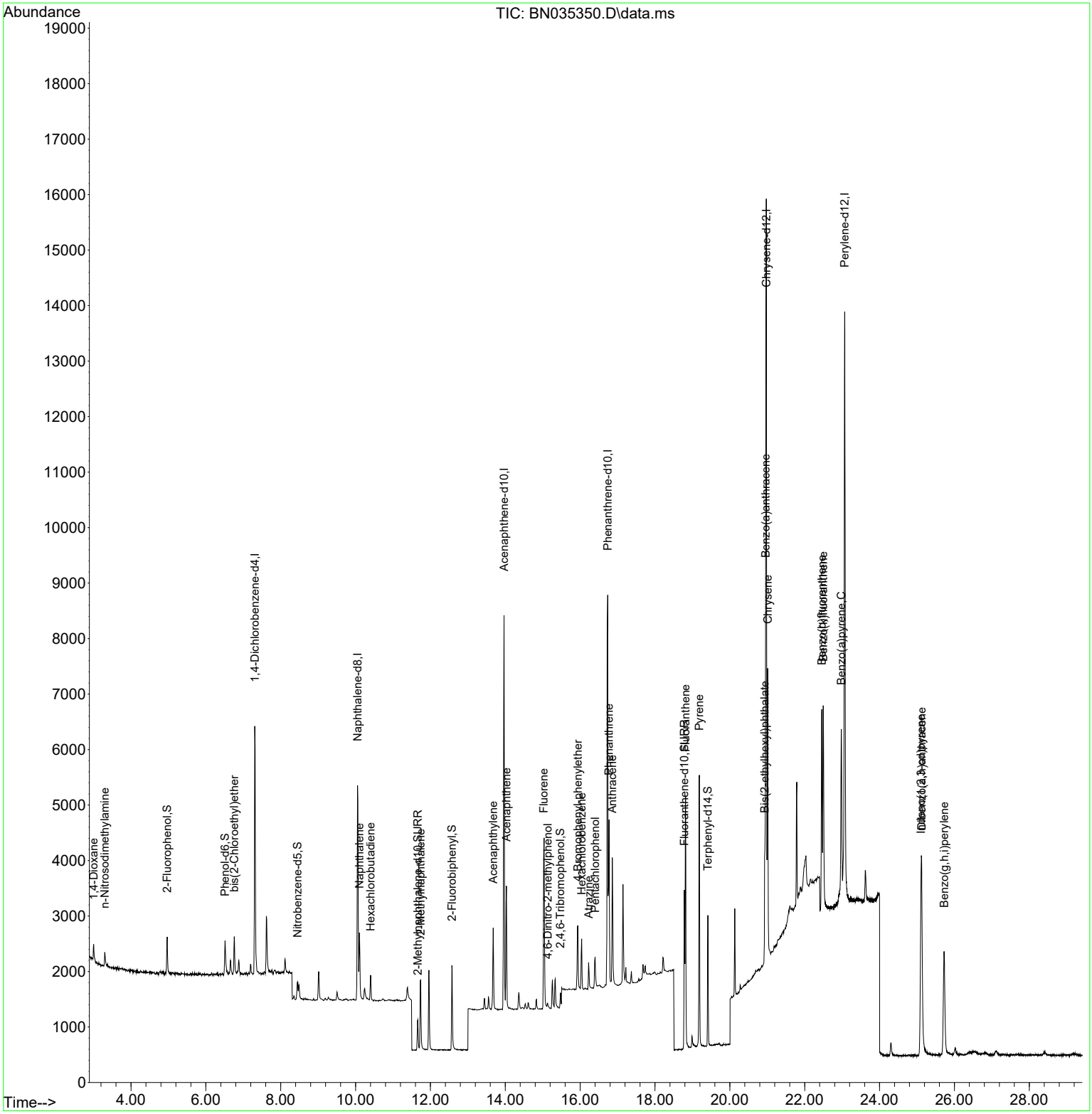
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.308	152	2237	0.400	ng		0.00
7) Naphthalene-d8	10.052	136	5753	0.400	ng		0.00
13) Acenaphthene-d10	13.967	164	4077	0.400	ng		0.00
19) Phenanthrene-d10	16.736	188	10855	0.400	ng		0.00
29) Chrysene-d12	20.974	240	11269	0.400	ng		0.00
35) Perylene-d12	23.067	264	13004	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	4.968	112	573	0.101	ng		0.00
5) Phenol-d6	6.513	99	686	0.096	ng		0.00
8) Nitrobenzene-d5	8.450	82	492	0.098	ng		0.01
11) 2-Methylnaphthalene-d10	11.661	152	850	0.083	ng		0.00
14) 2,4,6-Tribromophenol	15.475	330	278	0.095	ng		0.00
15) 2-Fluorobiphenyl	12.574	172	1518	0.092	ng		0.00
27) Fluoranthene-d10	18.785	212	3265	0.098	ng		0.00
31) Terphenyl-d14	19.412	244	2344	0.099	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.003	88	227	0.112	ng	#	87
3) n-Nitrosodimethylamine	3.299	42	187	0.099	ng	#	90
6) bis(2-Chloroethyl)ether	6.759	93	579	0.108	ng		98
9) Naphthalene	10.105	128	1527	0.102	ng	#	91
10) Hexachlorobutadiene	10.404	225	352	0.080	ng	#	97
12) 2-Methylnaphthalene	11.737	142	1042	0.094	ng		96
16) Acenaphthylene	13.679	152	1675	0.096	ng		100
17) Acenaphthene	14.031	154	1143	0.100	ng		99
18) Fluorene	15.026	166	1620	0.096	ng		98
20) 4,6-Dinitro-2-methylph...	15.133	198	103	0.046	ng	#	29
21) 4-Bromophenyl-phenylether	15.941	248	612	0.088	ng	#	94
22) Hexachlorobenzene	16.041	284	720	0.100	ng		97
23) Atrazine	16.227	200	421	0.068	ng	#	86
24) Pentachlorophenol	16.401	266	381	0.114	ng		90
25) Phenanthrene	16.773	178	2963	0.104	ng		99
26) Anthracene	16.860	178	2617	0.100	ng		98
28) Fluoranthene	18.817	202	4173	0.106	ng		99
30) Pyrene	19.184	202	4461	0.119	ng		100
32) Benzo(a)anthracene	20.956	228	4031	0.103	ng		99
33) Chrysene	21.010	228	4123	0.106	ng		97
34) Bis(2-ethylhexyl)phtha...	20.929	149	1999	0.097	ng		99
36) Indeno(1,2,3-cd)pyrene	25.105	276	4586	0.088	ng		97
37) Benzo(b)fluoranthene	22.456	252	4243	0.097	ng	#	82
38) Benzo(k)fluoranthene	22.494	252	4378	0.100	ng	#	80
39) Benzo(a)pyrene	22.977	252	3913	0.102	ng	#	69
40) Dibenzo(a,h)anthracene	25.126	278	3588	0.087	ng	#	86
41) Benzo(g,h,i)perylene	25.725	276	3863	0.088	ng	#	93

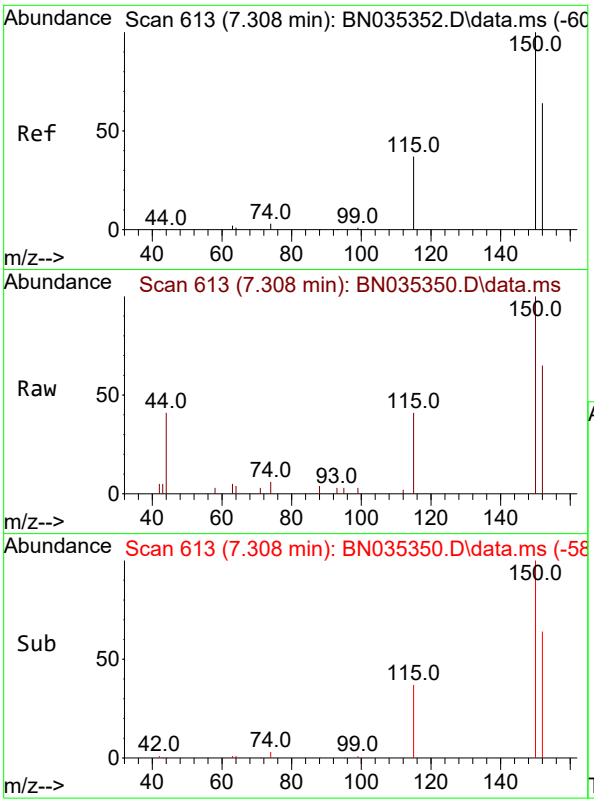
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
Data File : BN035350.D
Acq On : 27 Nov 2024 15:34
Operator : RC/JU
Sample : SSTDICC0.1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Quant Time: Nov 27 22:52:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 27 22:48:24 2024
Response via : Initial Calibration



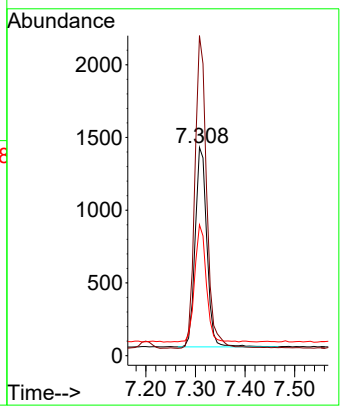


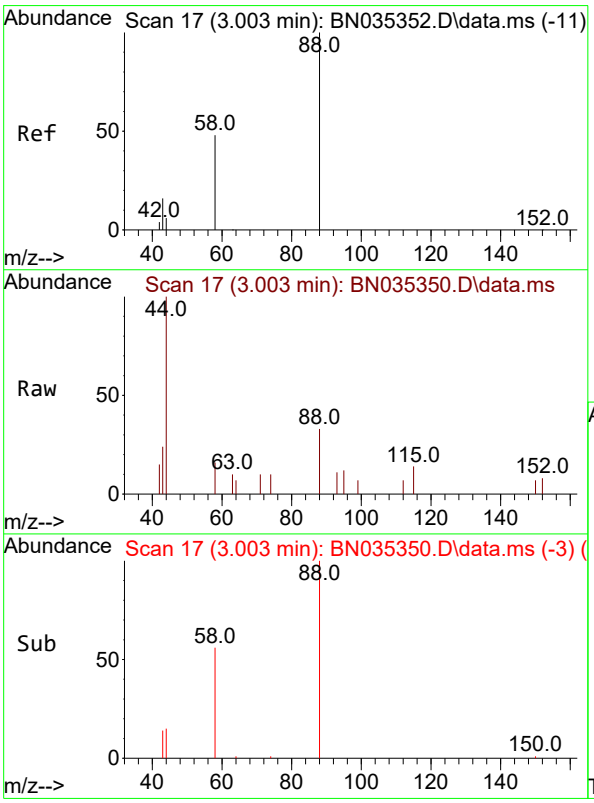
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.308 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:152 Resp: 2237

Ion	Ratio	Lower	Upper
152	100		
150	153.6	124.0	186.0
115	62.8	49.6	74.4

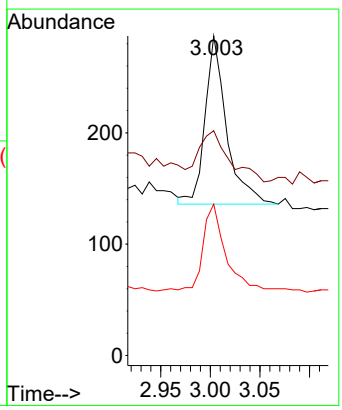


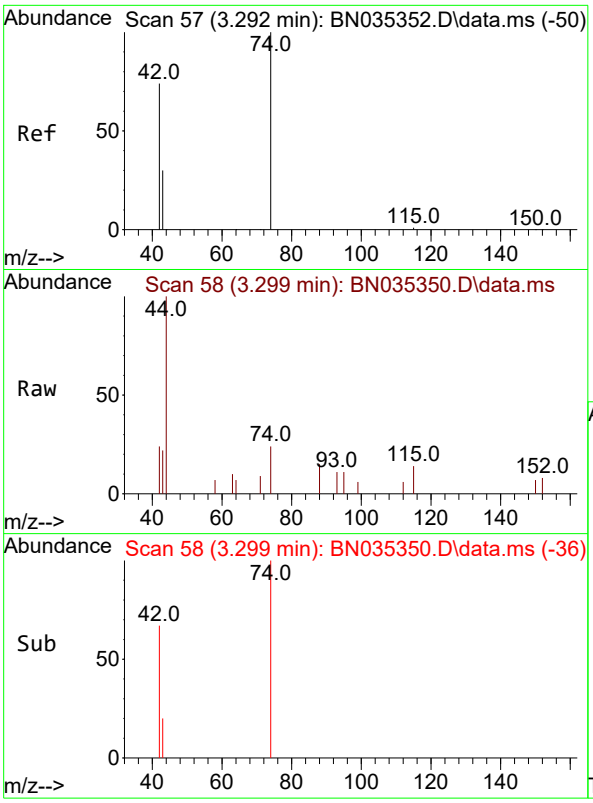


#2
1,4-Dioxane
Concen: 0.112 ng
RT: 3.003 min Scan# 17
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Tgt Ion: 88 Resp: 227

Ion	Ratio	Lower	Upper
88	100		
43	41.4	17.2	25.8#
58	54.6	44.5	66.7



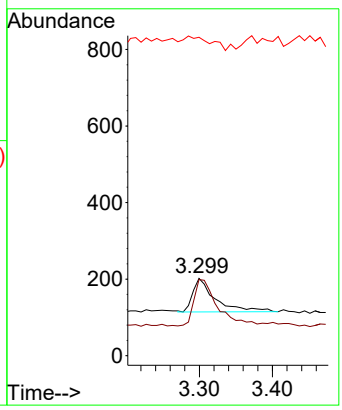


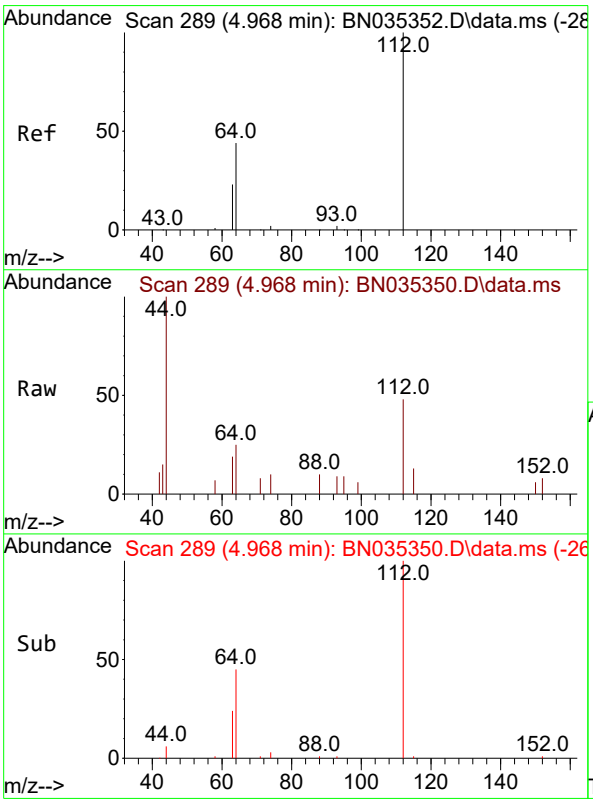
#3
n-Nitrosodimethylamine
Concen: 0.099 ng
RT: 3.299 min Scan# 5
Delta R.T. 0.007 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion: 42 Resp: 187

Ion	Ratio	Lower	Upper
42	100		
74	146.5	124.9	187.3
44	51.9	2.2	3.4#

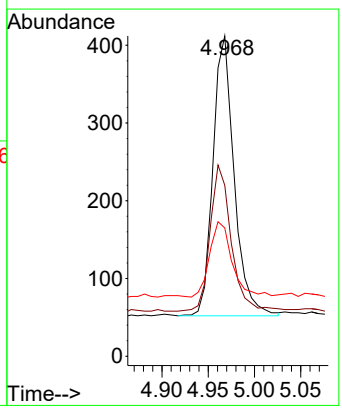


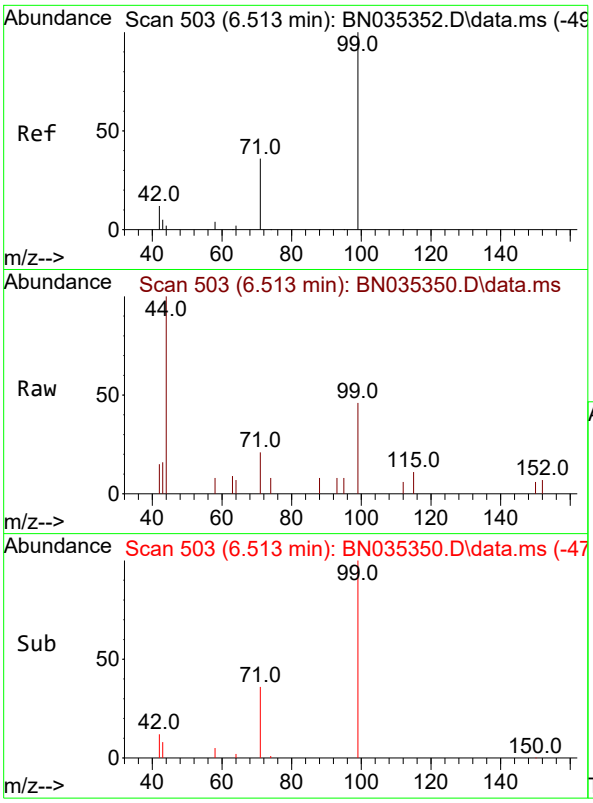


#4
2-Fluorophenol
Concen: 0.101 ng
RT: 4.968 min Scan# 289
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Tgt Ion:112 Resp: 573

Ion	Ratio	Lower	Upper
112	100		
64	52.0	39.8	59.8
63	28.8	21.0	31.6



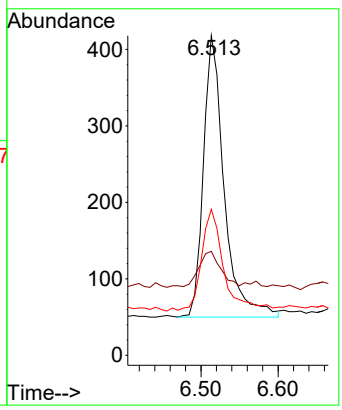


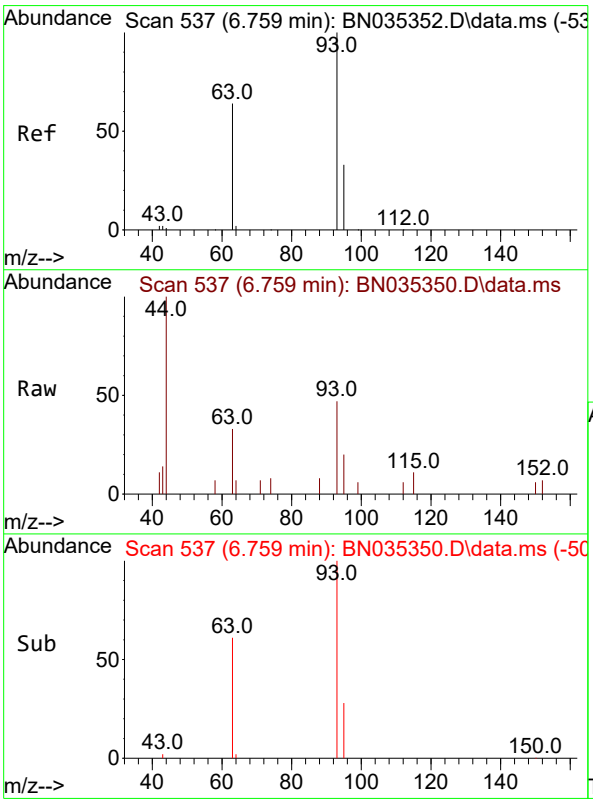
#5
Phenol-d6
Concen: 0.096 ng
RT: 6.513 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion: 99 Resp: 686

Ion	Ratio	Lower	Upper
99	100		
42	13.7	11.4	17.2
71	38.9	29.3	43.9

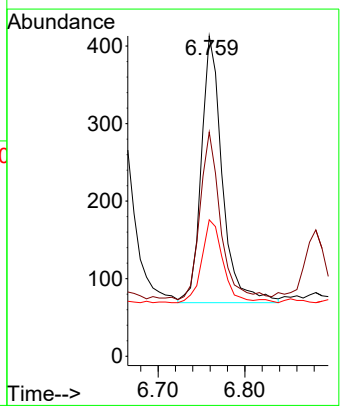


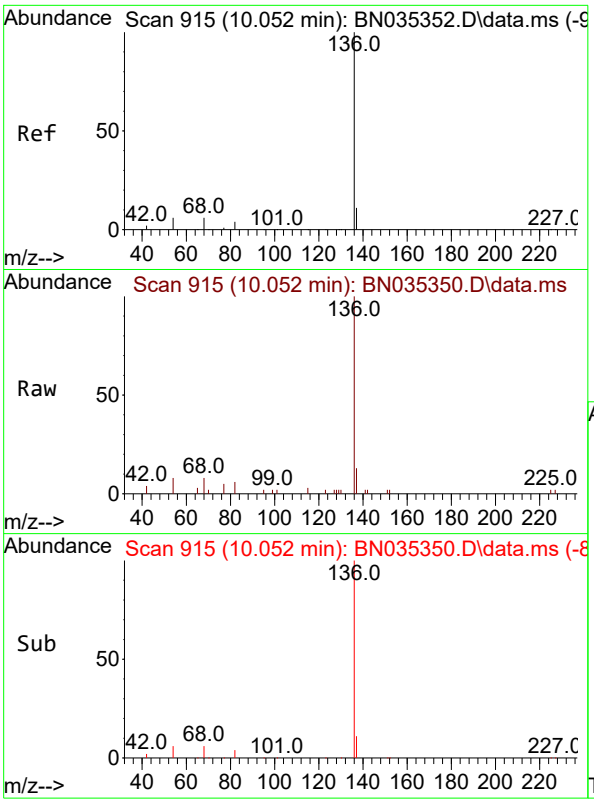


#6
bis(2-Chloroethyl)ether
Concen: 0.108 ng
RT: 6.759 min Scan# 537
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Tgt Ion: 93 Resp: 579

Ion	Ratio	Lower	Upper
93	100		
63	61.7	50.4	75.6
95	31.3	25.7	38.5



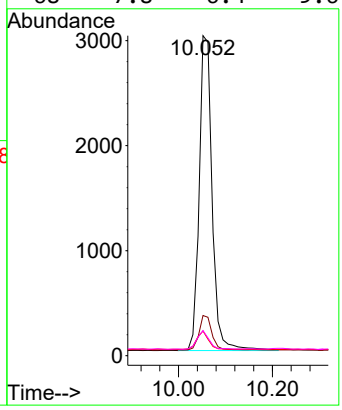


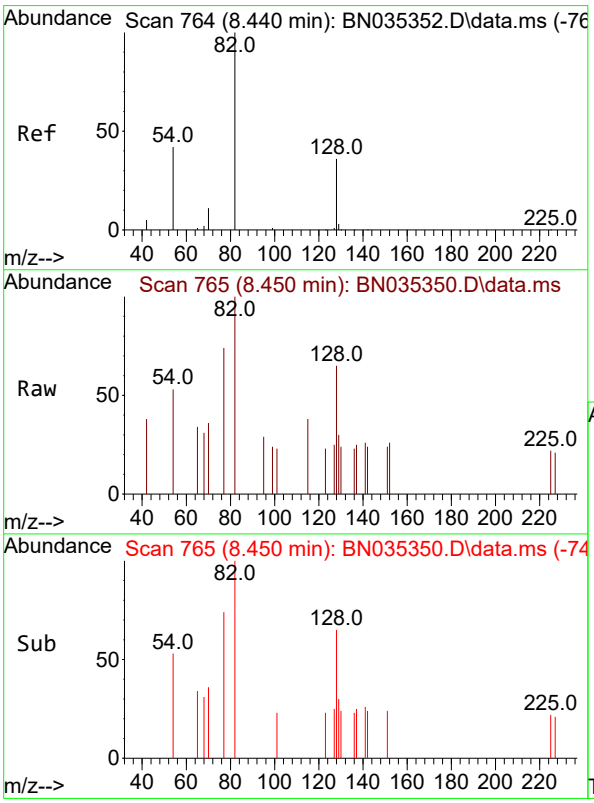
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.052 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:136 Resp: 5753

Ion	Ratio	Lower	Upper
136	100		
137	12.6	10.2	15.2
54	7.7	6.1	9.1
68	7.8	6.4	9.6

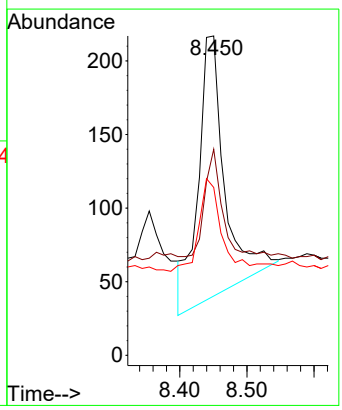


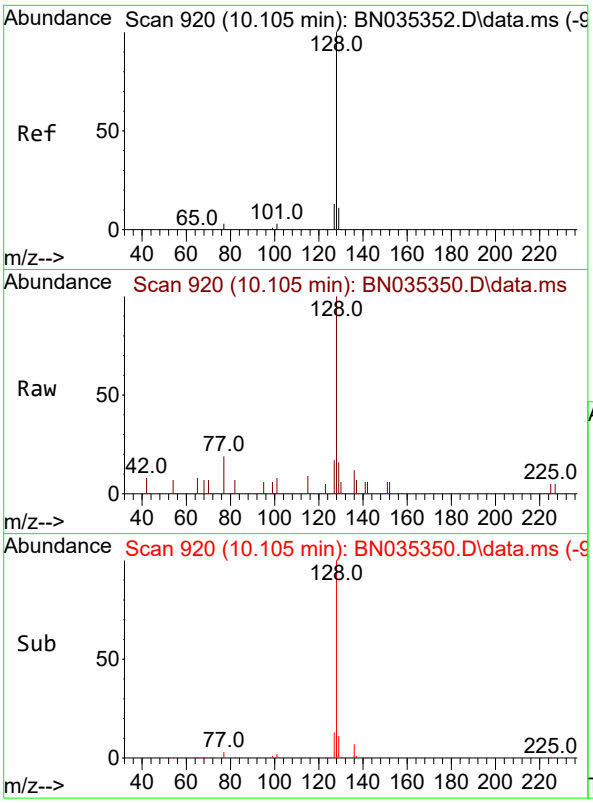


#8
Nitrobenzene-d5
Concen: 0.098 ng
RT: 8.450 min Scan# 765
Delta R.T. 0.011 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Tgt Ion: 82 Resp: 492

Ion	Ratio	Lower	Upper
82	100		
128	64.5	33.4	50.0#
54	52.5	36.7	55.1



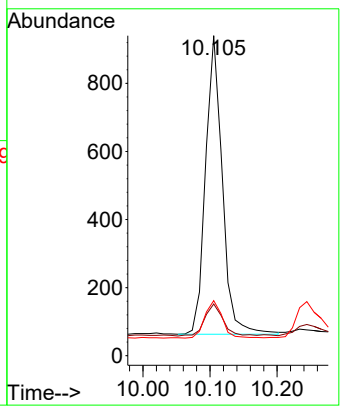


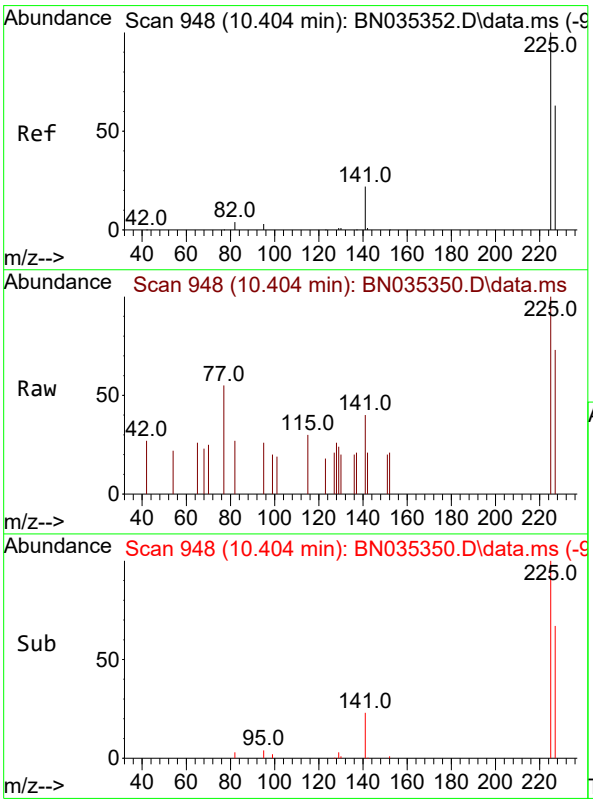
#9
Naphthalene
Concen: 0.102 ng
RT: 10.105 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:128 Resp: 1527

Ion	Ratio	Lower	Upper
128	100		
129	16.2	9.8	14.6#
127	17.2	11.4	17.2#

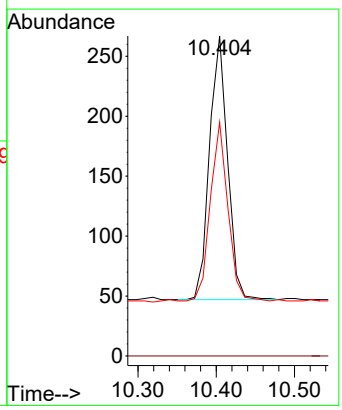


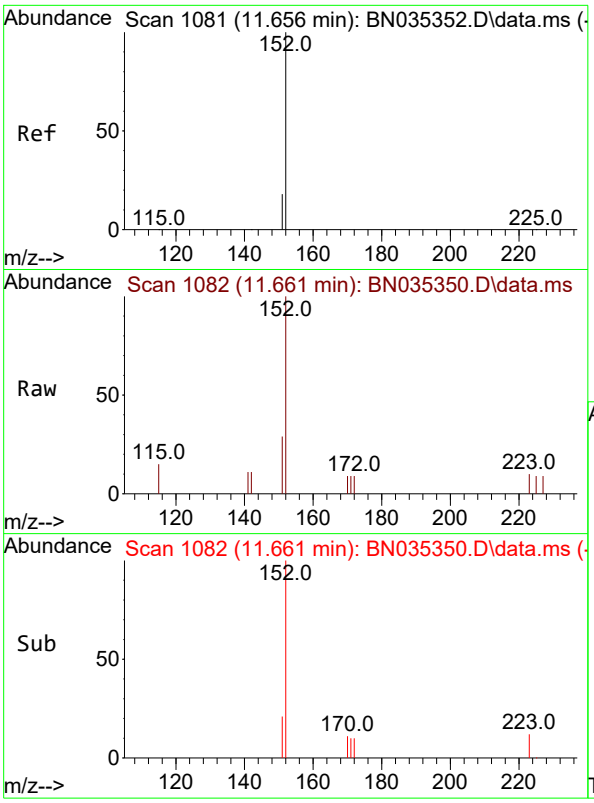


#10
Hexachlorobutadiene
Concen: 0.080 ng
RT: 10.404 min Scan# 948
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Tgt Ion:225 Resp: 352

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	66.2	51.3	76.9



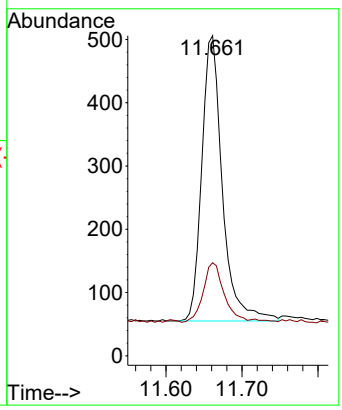


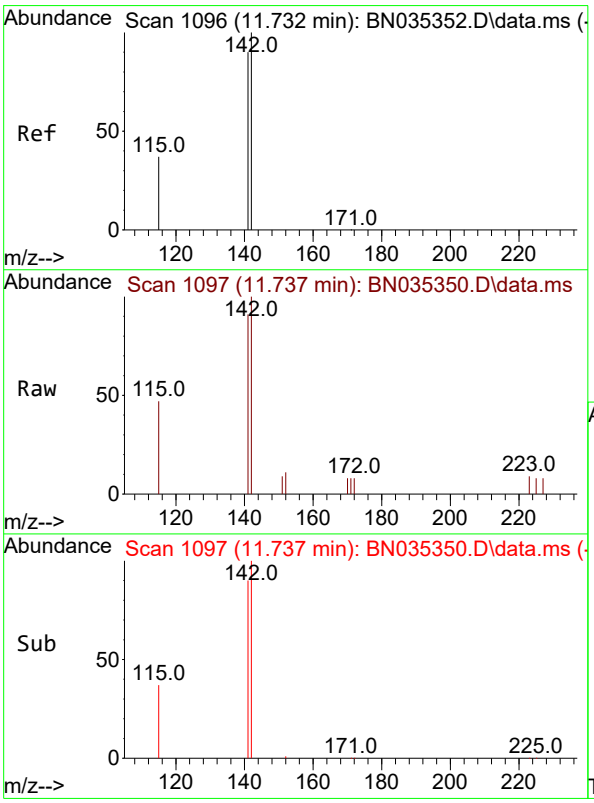
#11
2-Methylnaphthalene-d10
Concen: 0.083 ng
RT: 11.661 min Scan# 1
Delta R.T. 0.005 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:152 Resp: 850

Ion	Ratio	Lower	Upper
152	100		
151	21.1	16.6	25.0

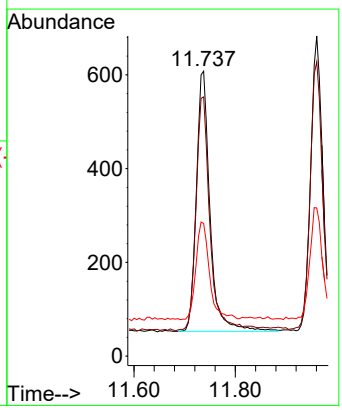


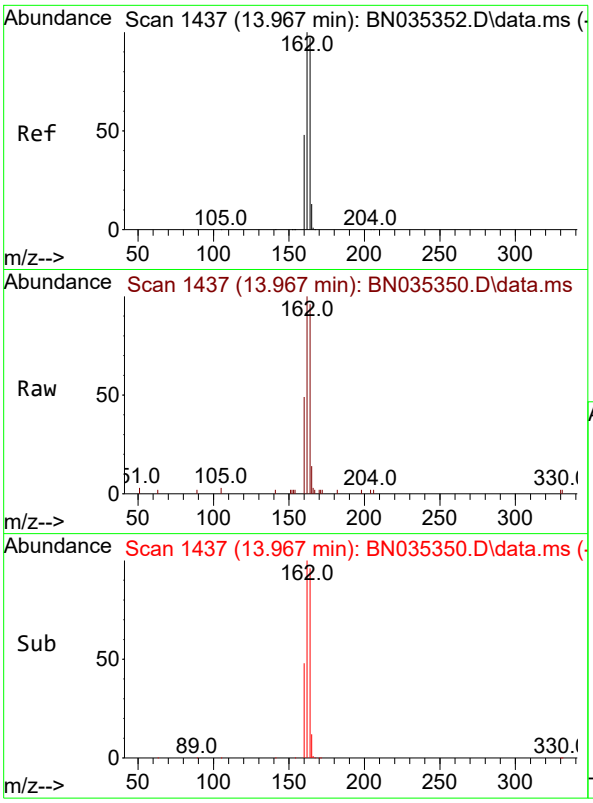


#12
2-Methylnaphthalene
Concen: 0.094 ng
RT: 11.737 min Scan# 1097
Delta R.T. 0.005 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Tgt Ion:142 Resp: 1042

Ion	Ratio	Lower	Upper
142	100		
141	91.0	72.2	108.4
115	46.5	31.4	47.0



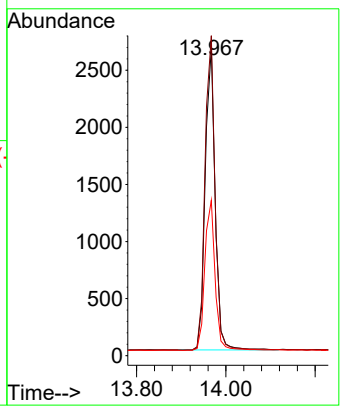


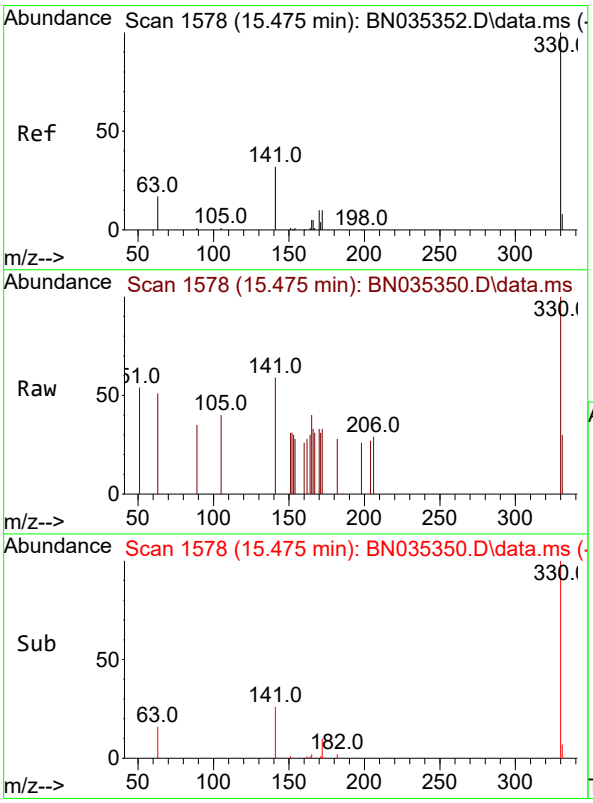
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.967 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:164 Resp: 4077

Ion	Ratio	Lower	Upper
164	100		
162	103.9	82.2	123.2
160	50.4	40.1	60.1

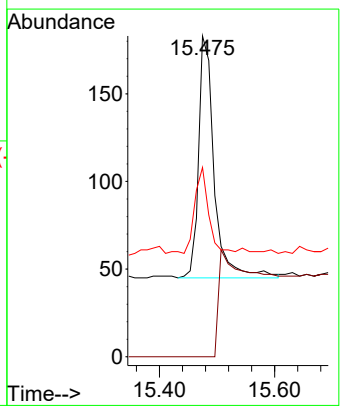


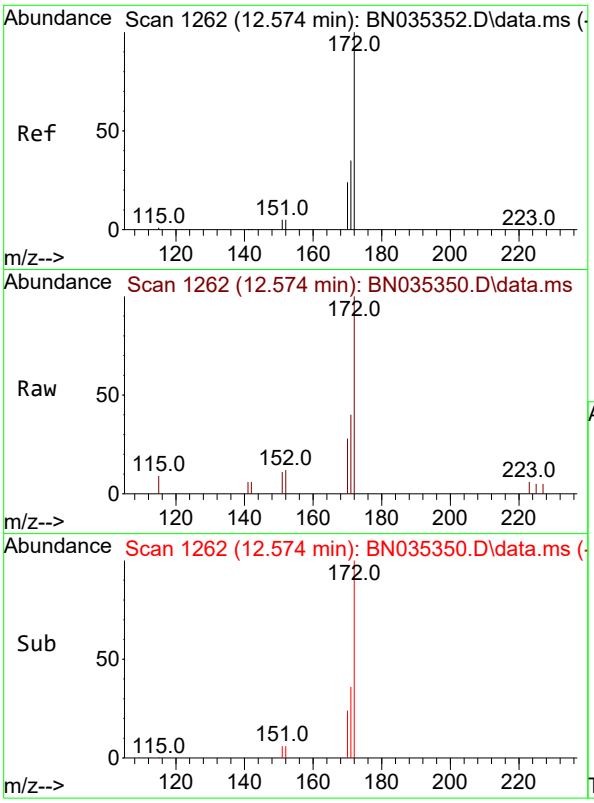


#14
2,4,6-Tribromophenol
Concen: 0.095 ng
RT: 15.475 min Scan# 1578
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Tgt Ion:330 Resp: 278

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	29.1	26.6	40.0



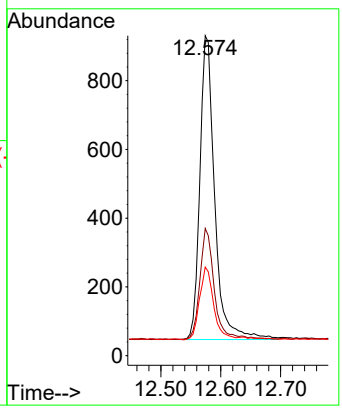


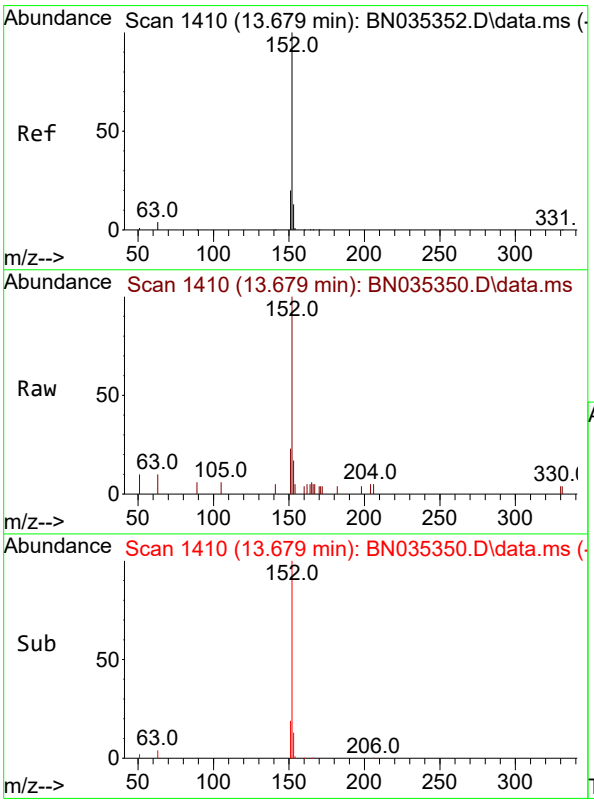
#15
2-Fluorobiphenyl
Concen: 0.092 ng
RT: 12.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:172 Resp: 1518

Ion	Ratio	Lower	Upper
172	100		
171	39.7	29.0	43.4
170	27.7	19.8	29.8

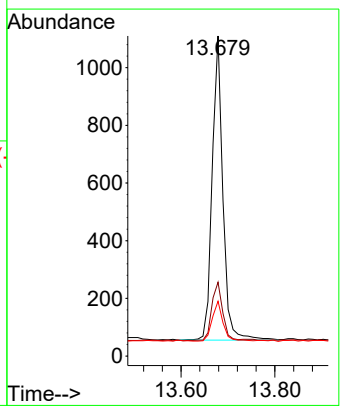


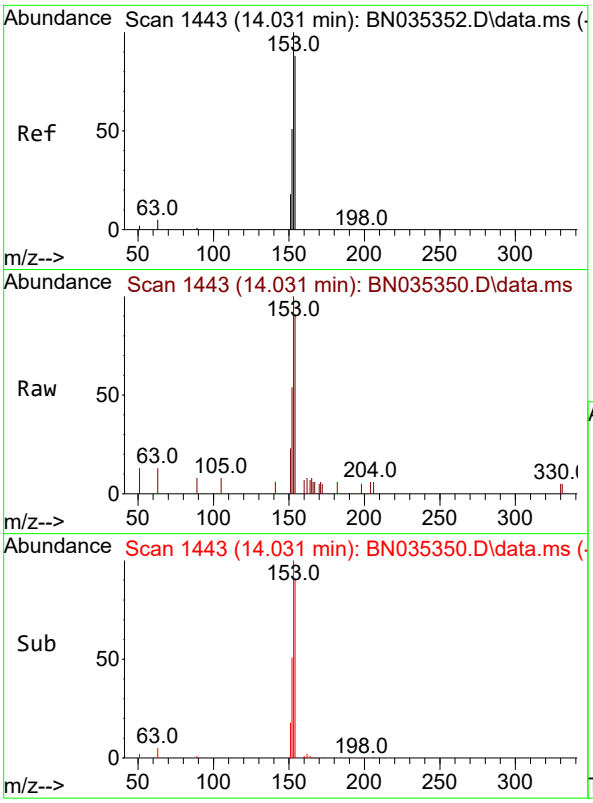


#16
Acenaphthylene
Concen: 0.096 ng
RT: 13.679 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Tgt Ion:152 Resp: 1675

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.2	24.2
153	13.1	10.4	15.6



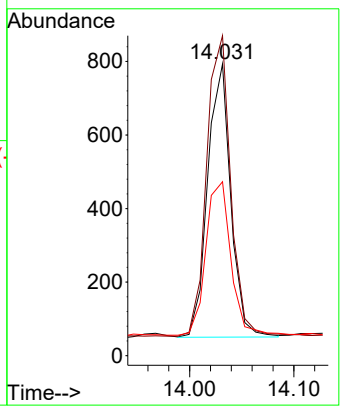


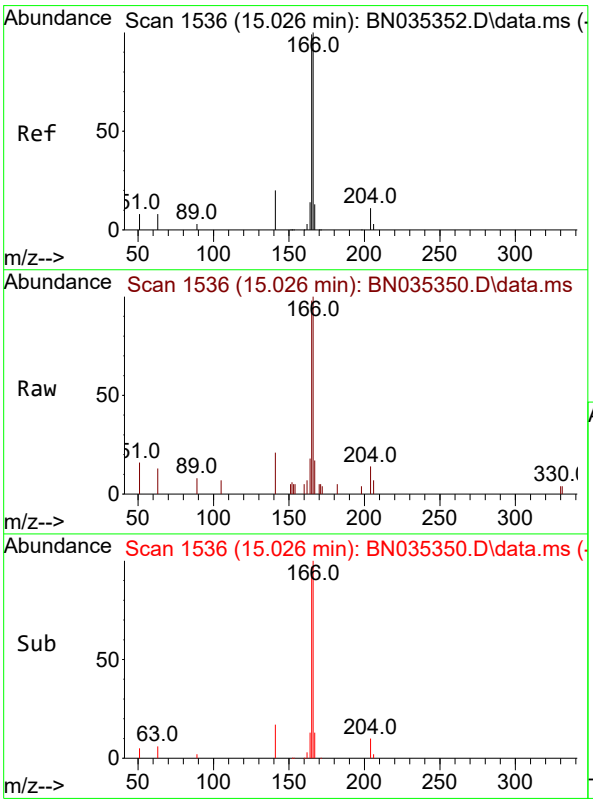
#17
Acenaphthene
Concen: 0.100 ng
RT: 14.031 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:154 Resp: 1143

Ion	Ratio	Lower	Upper
154	100		
153	115.0	92.6	139.0
152	60.9	49.0	73.6

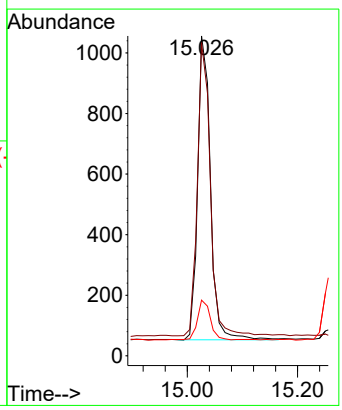


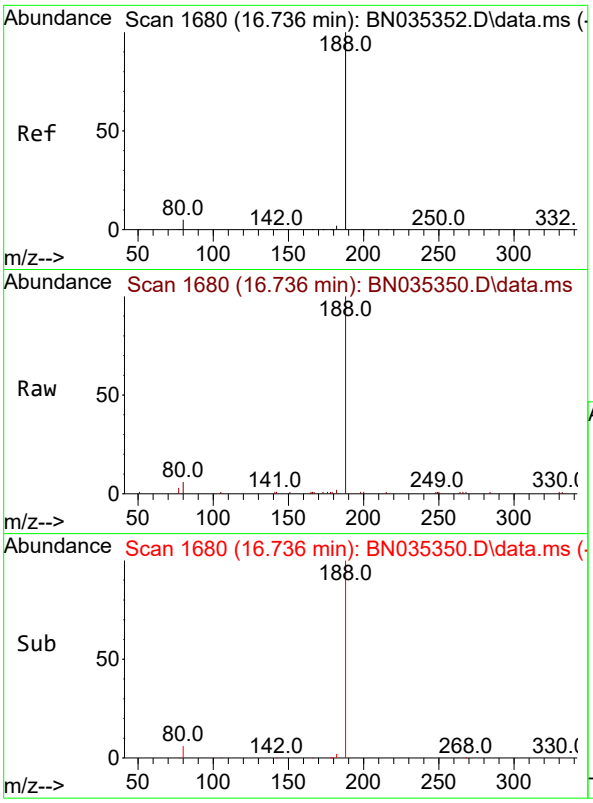


#18
Fluorene
Concen: 0.096 ng
RT: 15.026 min Scan# 1536
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Tgt Ion:166 Resp: 1620

Ion	Ratio	Lower	Upper
166	100		
165	97.7	79.7	119.5
167	13.1	10.8	16.2



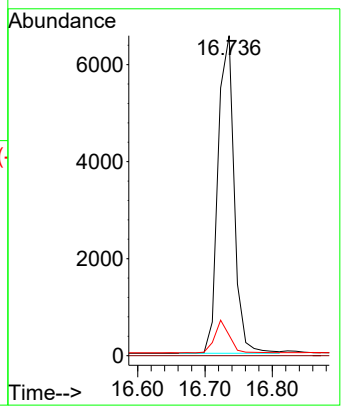


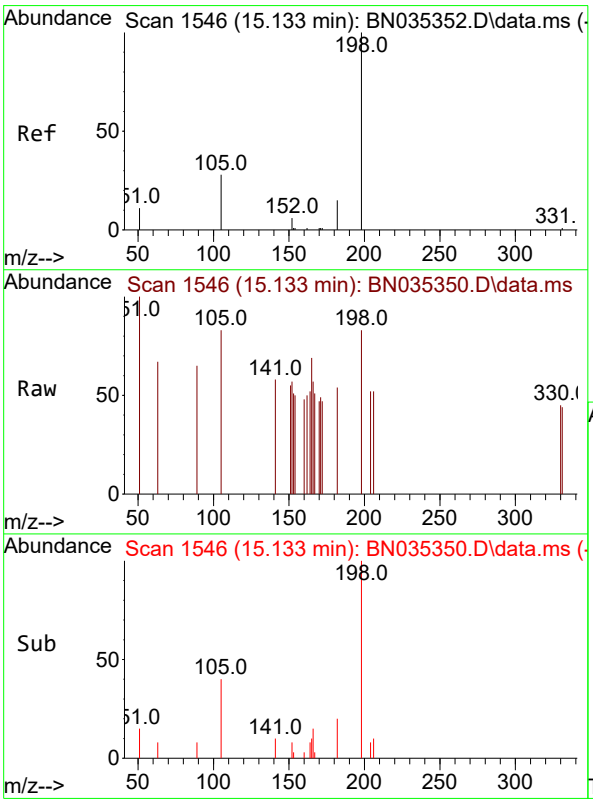
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.736 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:188 Resp: 10855

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.4	4.6	6.8

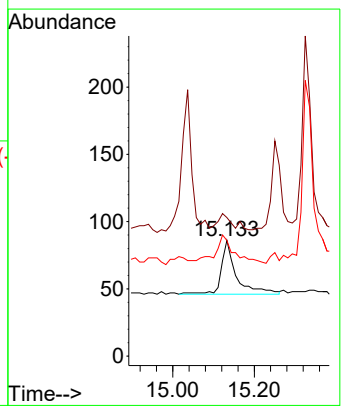


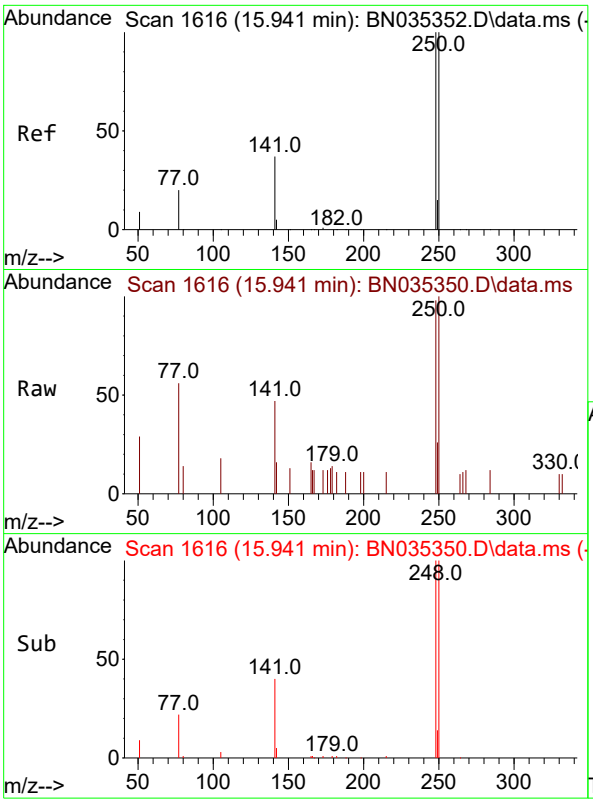


#20
4,6-Dinitro-2-methylphenol
Concen: 0.046 ng
RT: 15.133 min Scan# 1546
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Tgt Ion:198 Resp: 103

Ion	Ratio	Lower	Upper
198	100		
51	119.8	46.5	69.7#
105	100.0	45.3	67.9#



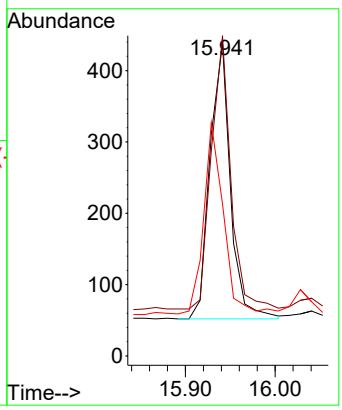


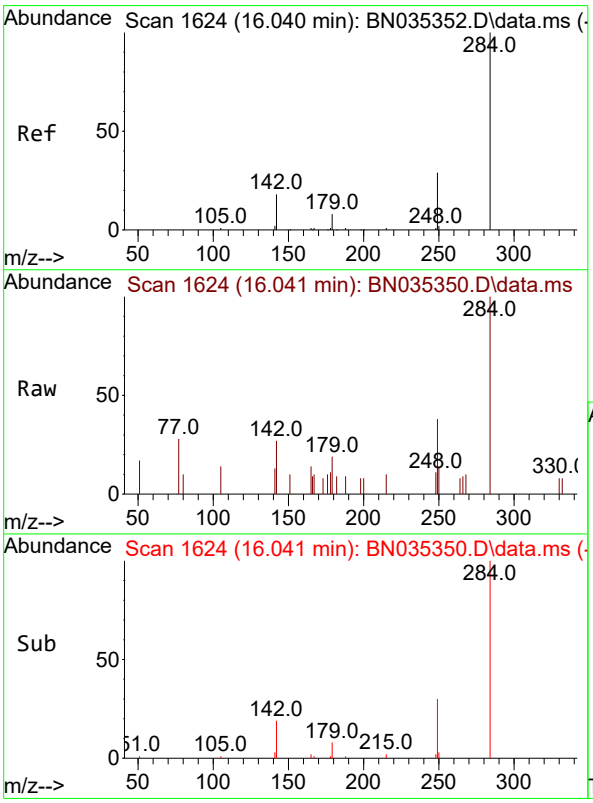
#21
4-Bromophenyl-phenylether
Concen: 0.088 ng
RT: 15.941 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:248 Resp: 612

Ion	Ratio	Lower	Upper
248	100		
250	102.5	80.6	120.8
141	48.6	31.5	47.3#

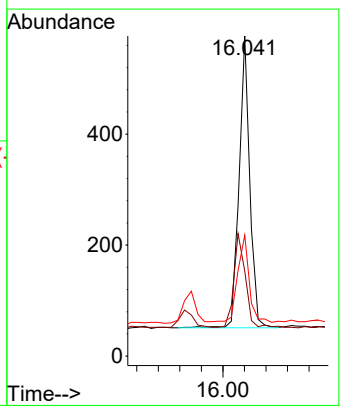


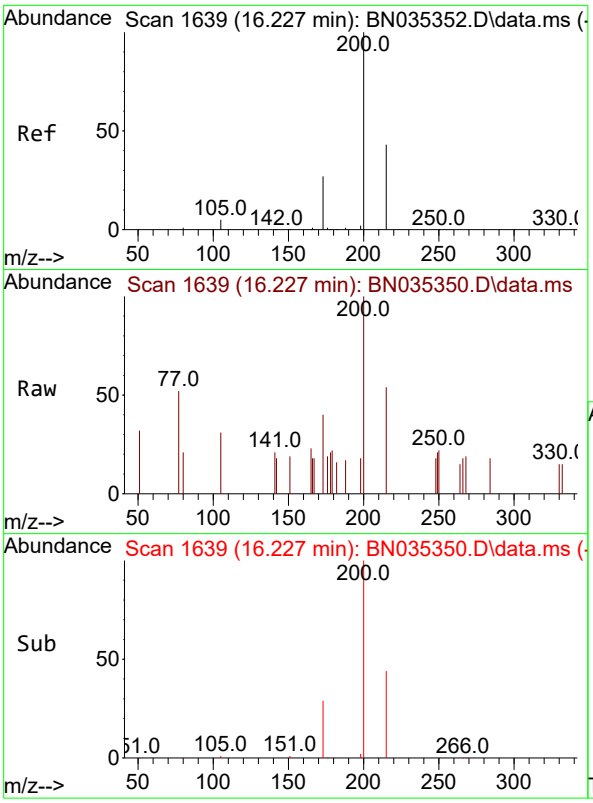


#22
Hexachlorobenzene
Concen: 0.100 ng
RT: 16.041 min Scan# 1624
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Tgt Ion:284 Resp: 720

Ion	Ratio	Lower	Upper
284	100		
142	35.4	26.7	40.1
249	32.2	24.6	36.8



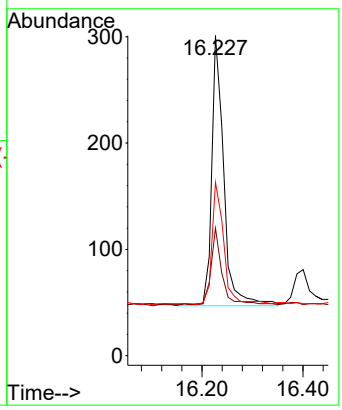


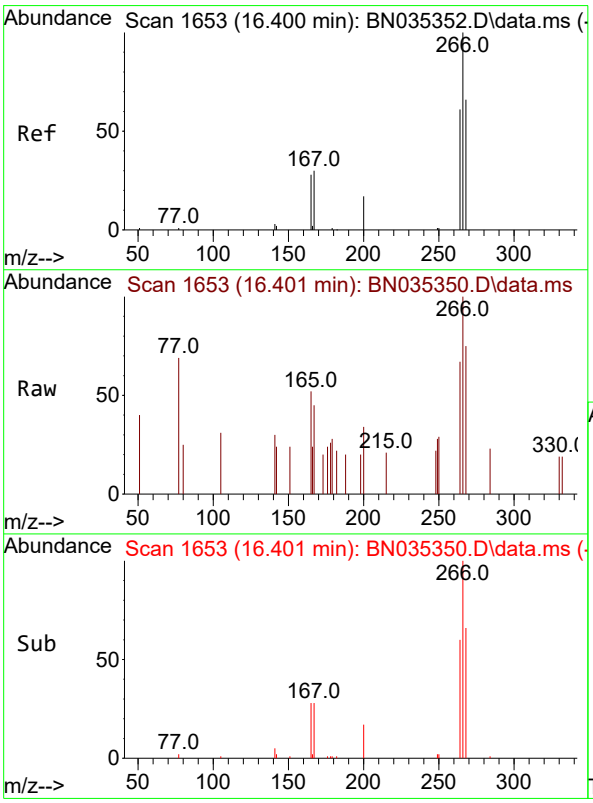
#23
Atrazine
Concen: 0.068 ng
RT: 16.227 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:200 Resp: 421

Ion	Ratio	Lower	Upper
200	100		
173	39.9	24.1	36.1#
215	54.2	36.9	55.3

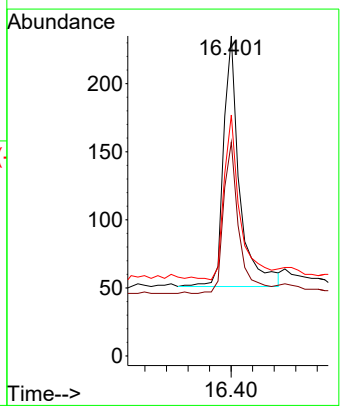


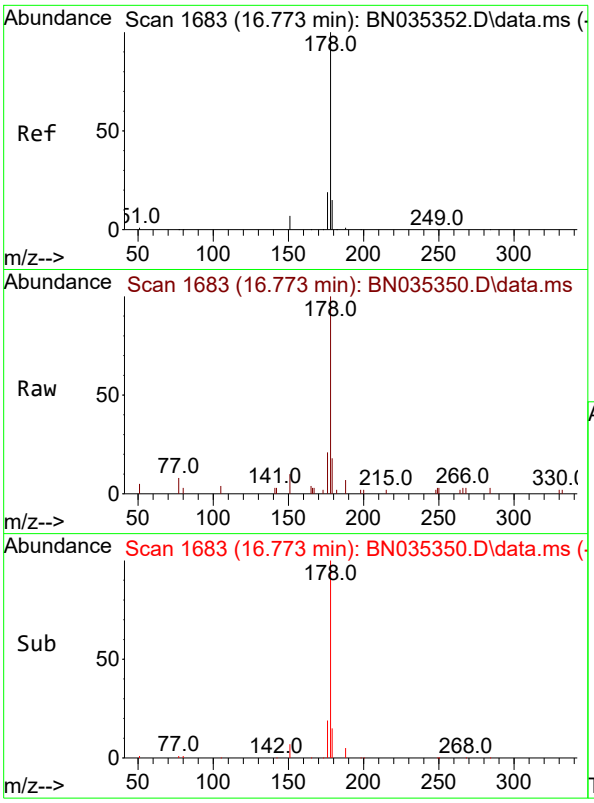


#24
Pentachlorophenol
Concen: 0.114 ng
RT: 16.401 min Scan# 1653
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Tgt Ion:266 Resp: 381

Ion	Ratio	Lower	Upper
266	100		
264	58.3	42.3	63.5
268	63.3	43.3	64.9



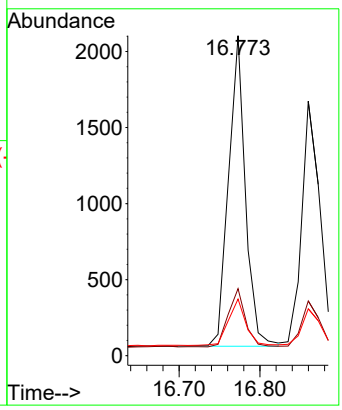


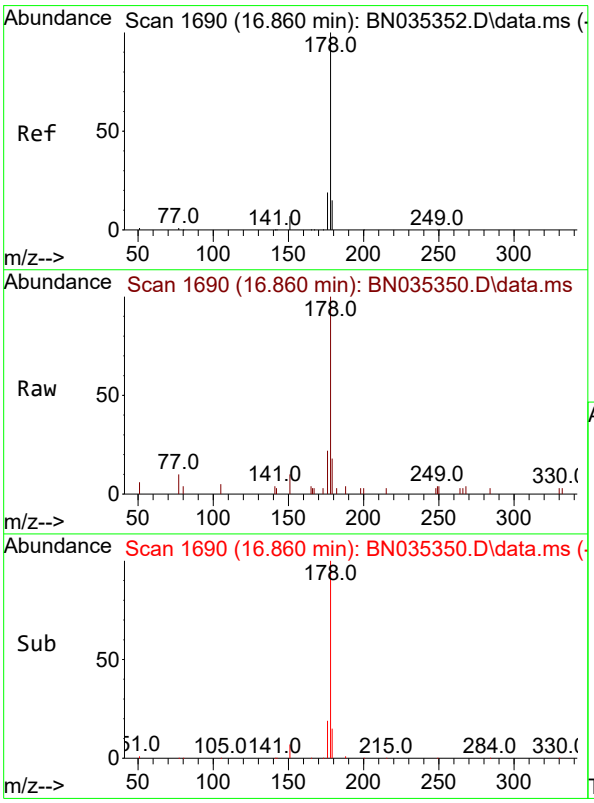
#25
Phenanthrene
Concen: 0.104 ng
RT: 16.773 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:178 Resp: 2963

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.2
179	15.6	12.3	18.5

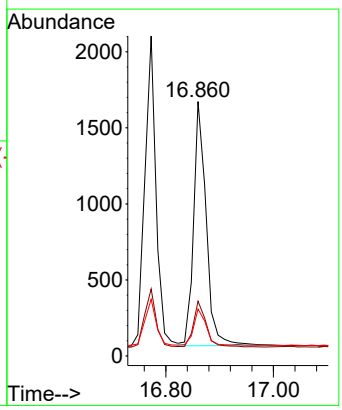


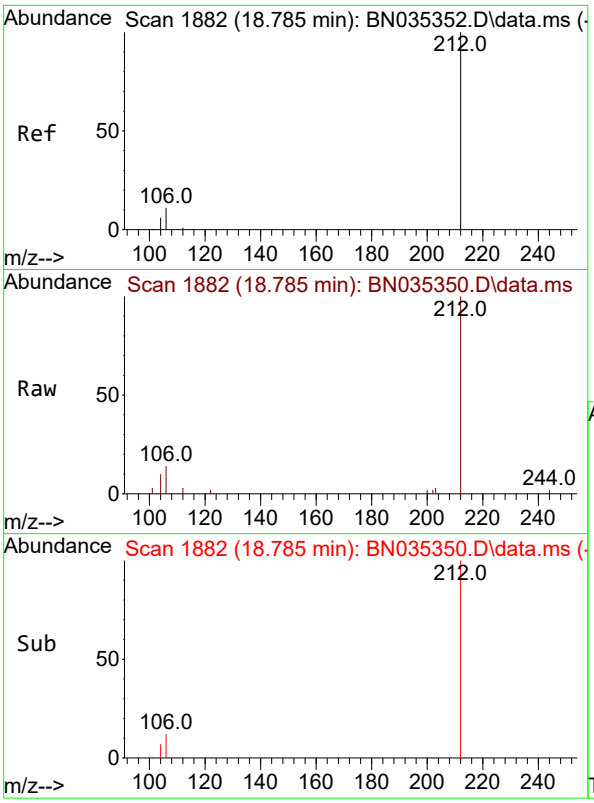


#26
Anthracene
Concen: 0.100 ng
RT: 16.860 min Scan# 1690
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Tgt Ion:178 Resp: 2617

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.6
179	14.3	12.6	18.8



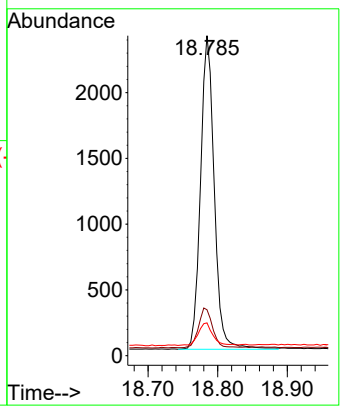


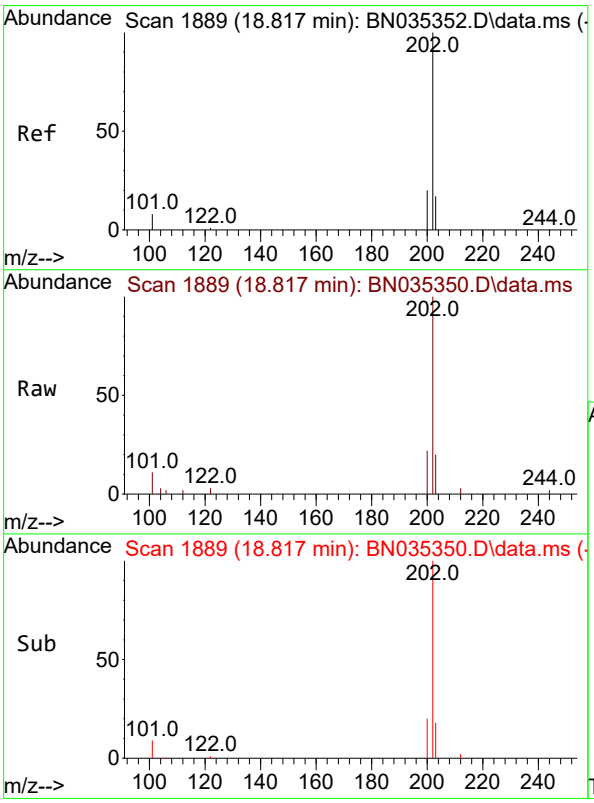
#27
Fluoranthene-d10
Concen: 0.098 ng
RT: 18.785 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:212 Resp: 3265

Ion	Ratio	Lower	Upper
212	100		
106	12.8	9.2	13.8
104	7.6	5.3	7.9

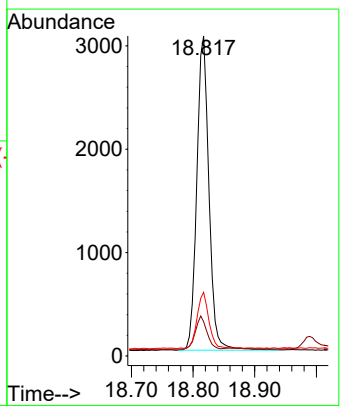


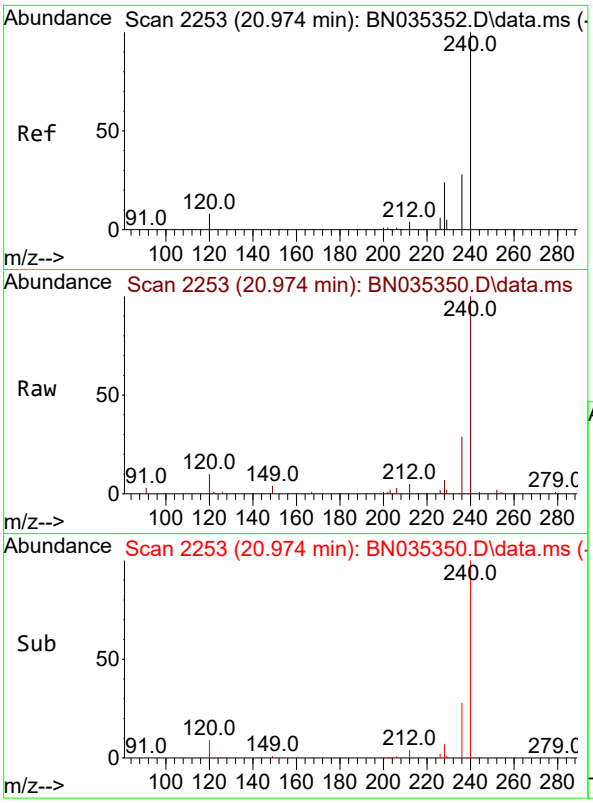


#28
Fluoranthene
Concen: 0.106 ng
RT: 18.817 min Scan# 1889
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Tgt Ion:202 Resp: 4173

Ion	Ratio	Lower	Upper
202	100		
101	10.2	7.4	11.0
203	17.3	13.7	20.5



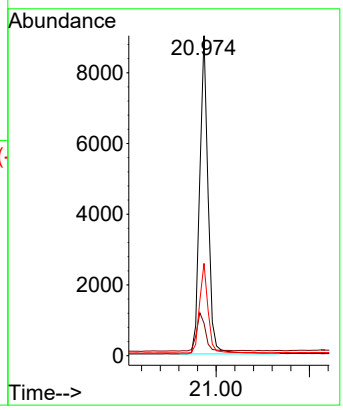


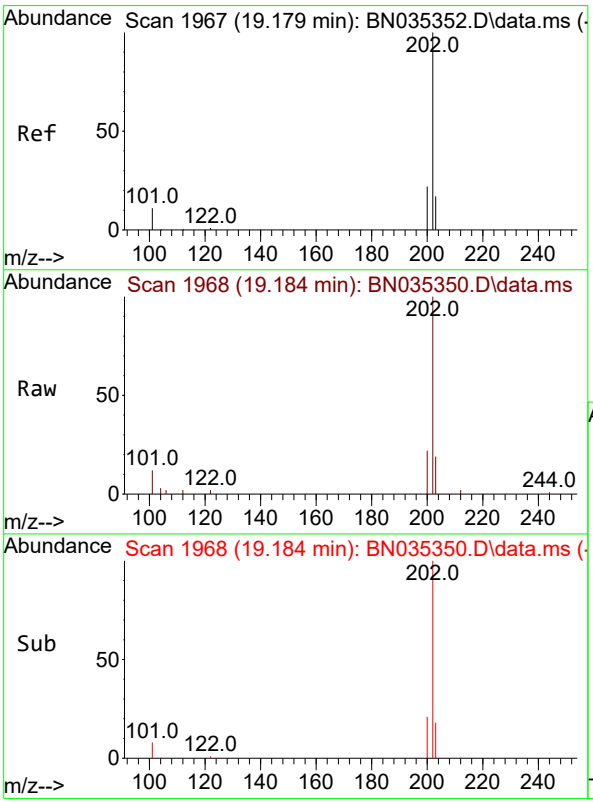
#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.974 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:240 Resp: 11269

Ion	Ratio	Lower	Upper
240	100		
120	10.1	7.9	11.9
236	28.8	22.9	34.3

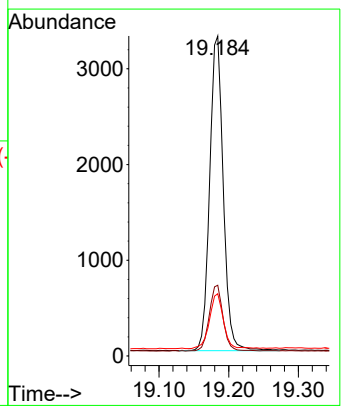


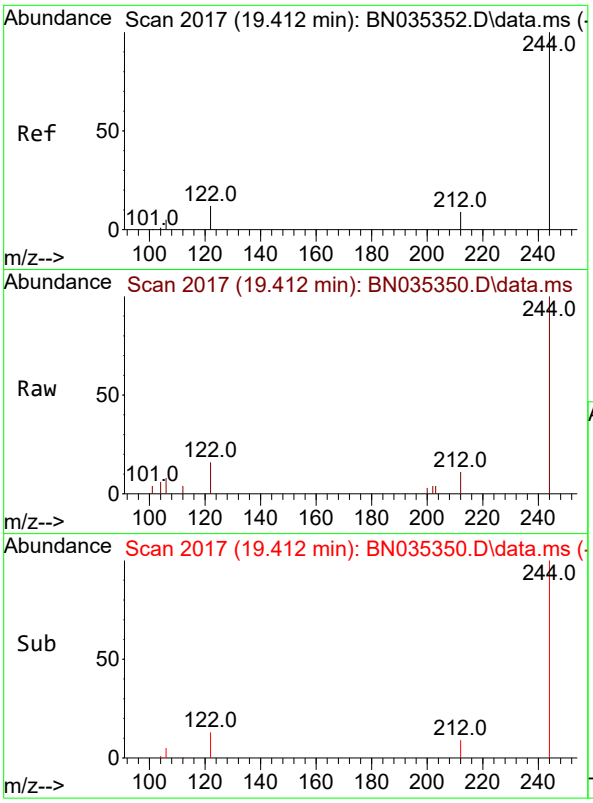


#30
Pyrene
Concen: 0.119 ng
RT: 19.184 min Scan# 1968
Delta R.T. 0.005 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Tgt Ion:202 Resp: 4461

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.0	25.4
203	18.0	14.3	21.5



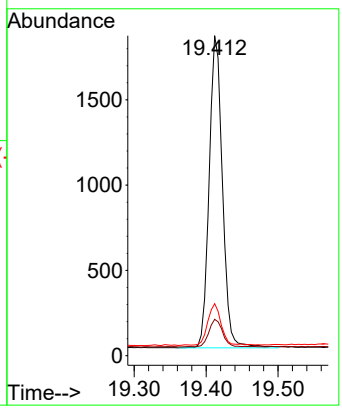


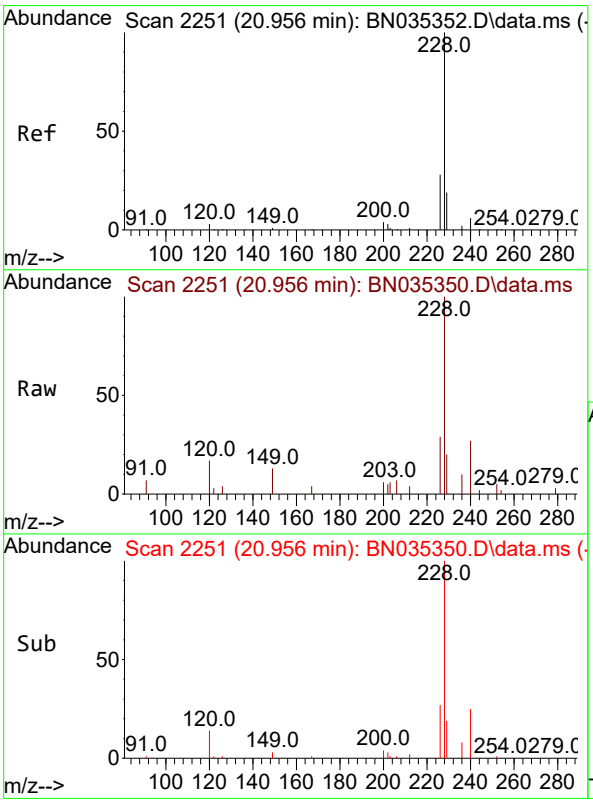
#31
Terphenyl-d14
Concen: 0.099 ng
RT: 19.412 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:244 Resp: 2344

Ion	Ratio	Lower	Upper
244	100		
212	11.4	8.1	12.1
122	16.3	10.3	15.5#

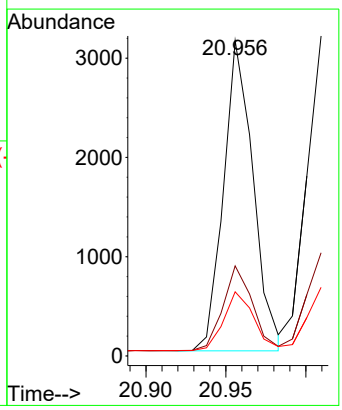


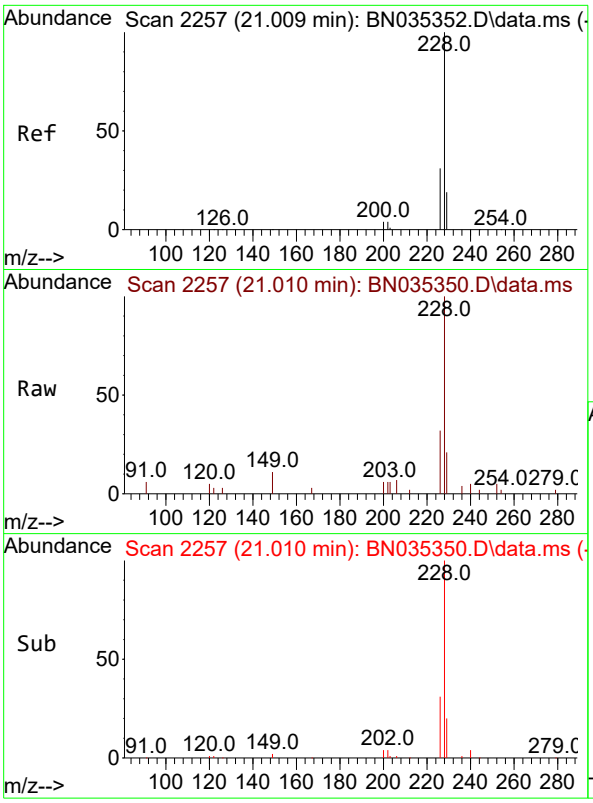


#32
Benzo(a)anthracene
Concen: 0.103 ng
RT: 20.956 min Scan# 2251
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Tgt Ion:228 Resp: 4031

Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.5	33.7
229	20.4	15.8	23.8



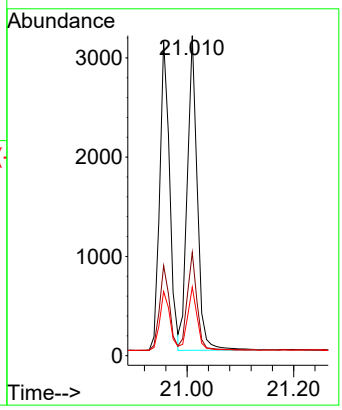


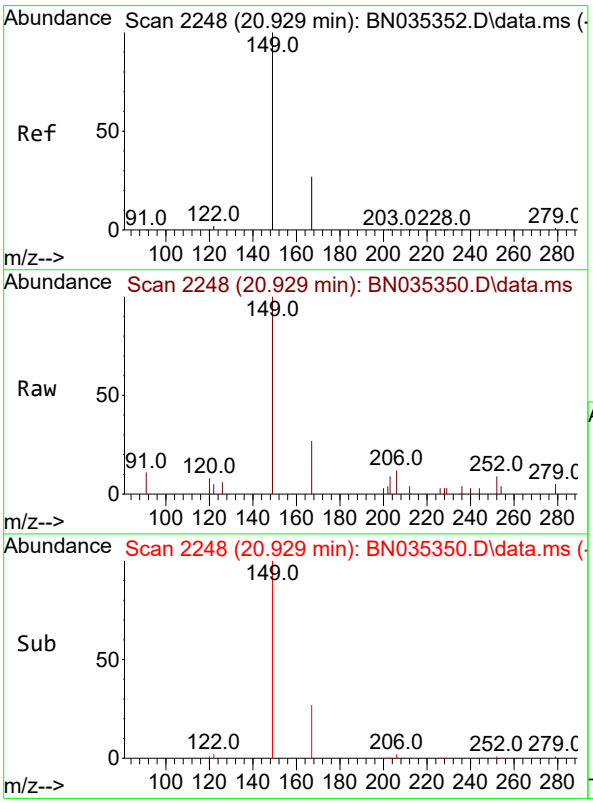
#33
Chrysene
Concen: 0.106 ng
RT: 21.010 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:228 Resp: 4123

Ion	Ratio	Lower	Upper
228	100		
226	32.3	24.6	37.0
229	21.5	15.9	23.9

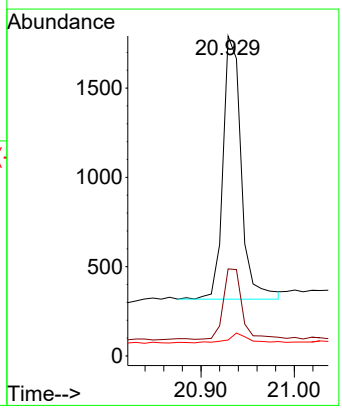


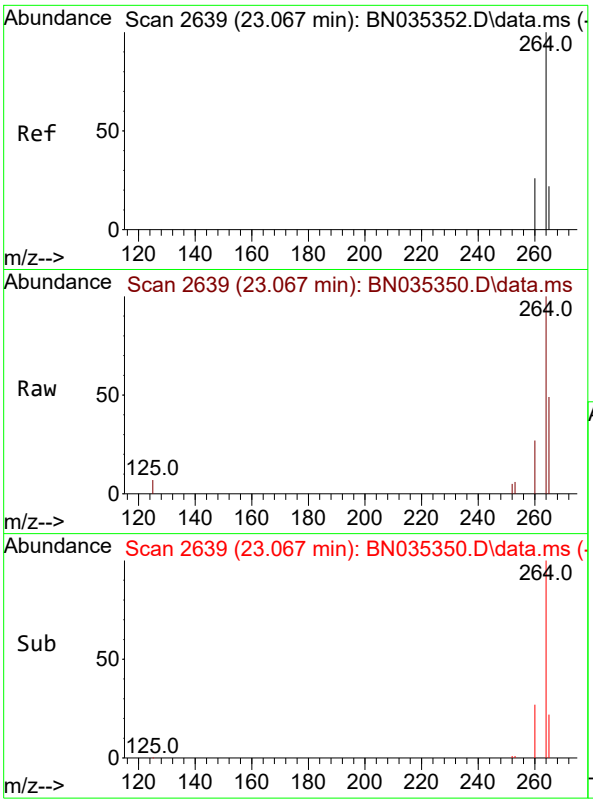


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.097 ng
RT: 20.929 min Scan# 2248
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Tgt Ion:149 Resp: 1999

Ion	Ratio	Lower	Upper
149	100		
167	27.5	22.2	33.4
279	3.6	2.7	4.1



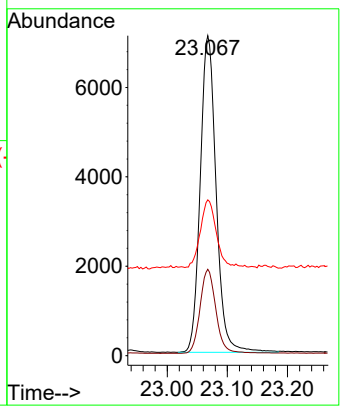


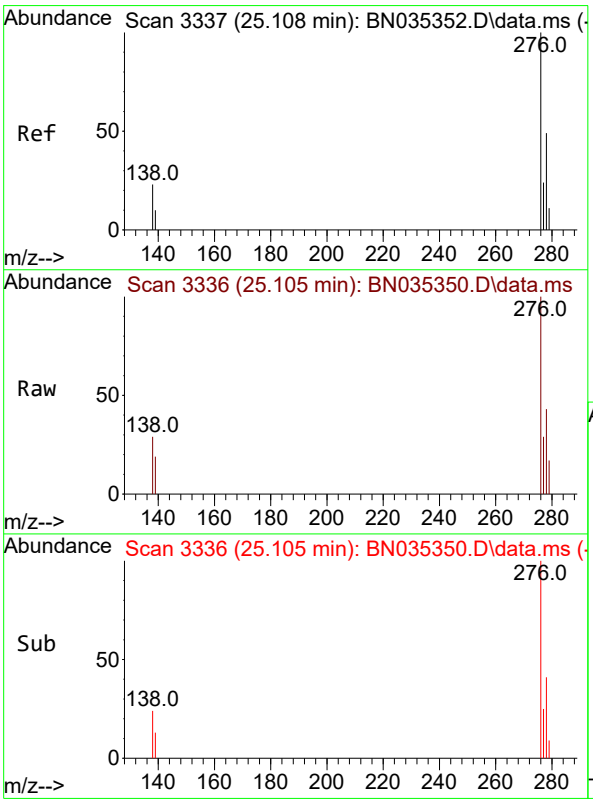
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.067 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:264 Resp: 13004

Ion	Ratio	Lower	Upper
264	100		
260	27.0	21.4	32.2
265	48.7	40.2	60.4

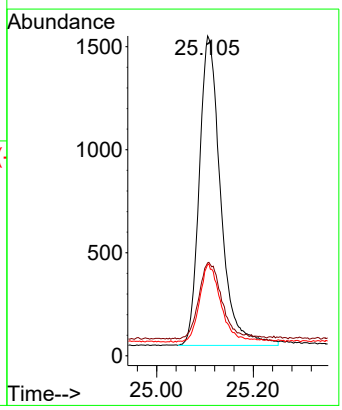


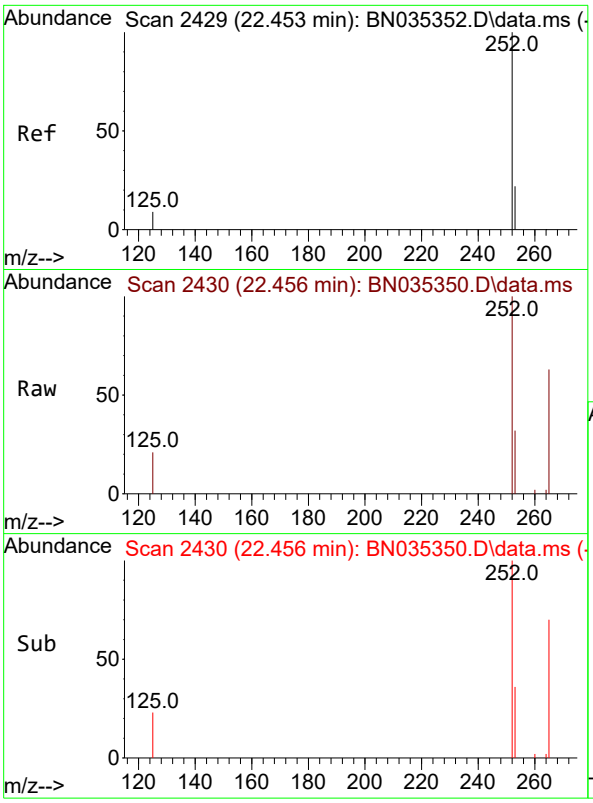


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.088 ng
RT: 25.105 min Scan# 3336
Delta R.T. -0.003 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Tgt Ion:276 Resp: 4586

Ion	Ratio	Lower	Upper
276	100		
138	26.2	19.4	29.0
277	25.6	19.8	29.6



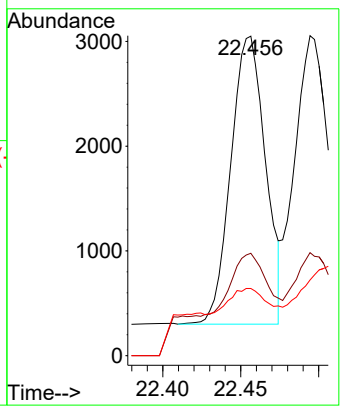


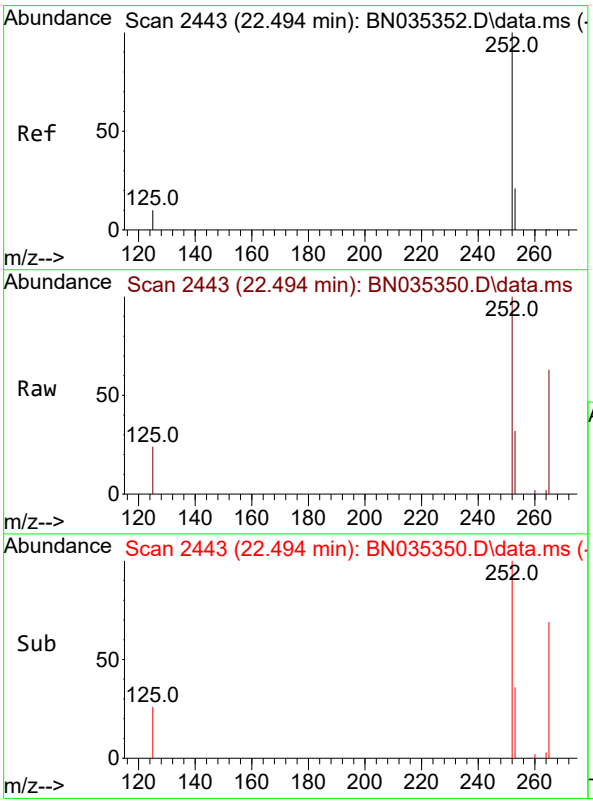
#37
Benzo(b)fluoranthene
Concen: 0.097 ng
RT: 22.456 min Scan# 24
Delta R.T. 0.003 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:252 Resp: 4243

Ion	Ratio	Lower	Upper
252	100		
253	32.1	19.6	29.4#
125	21.0	9.6	14.4#

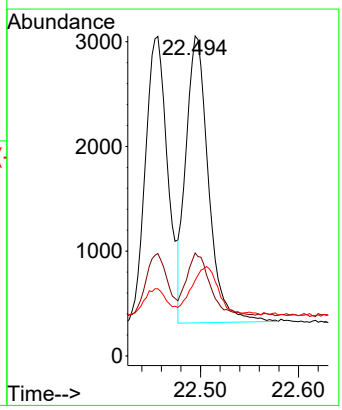


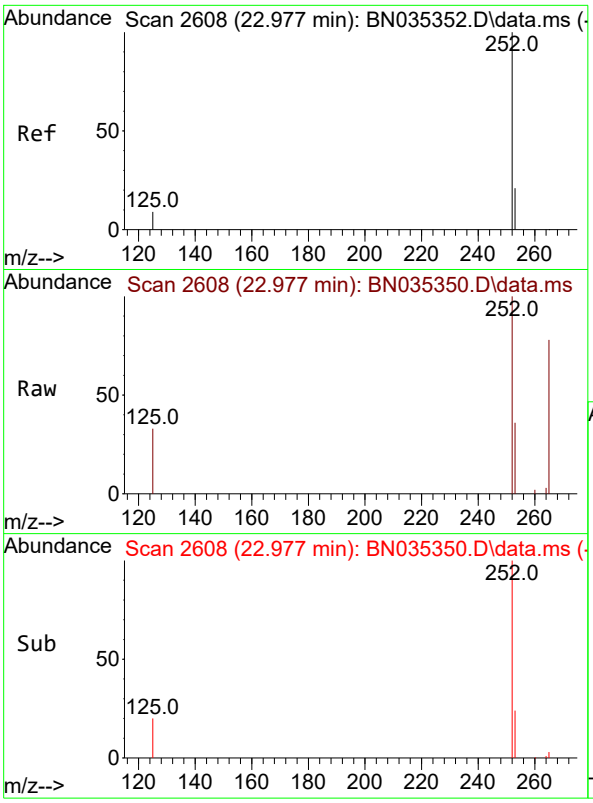


#38
Benzo(k)fluoranthene
Concen: 0.100 ng
RT: 22.494 min Scan# 2443
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Tgt Ion:252 Resp: 4378

Ion	Ratio	Lower	Upper
252	100		
253	32.2	19.5	29.3#
125	23.7	10.2	15.4#



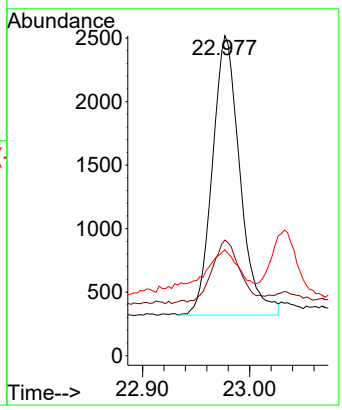


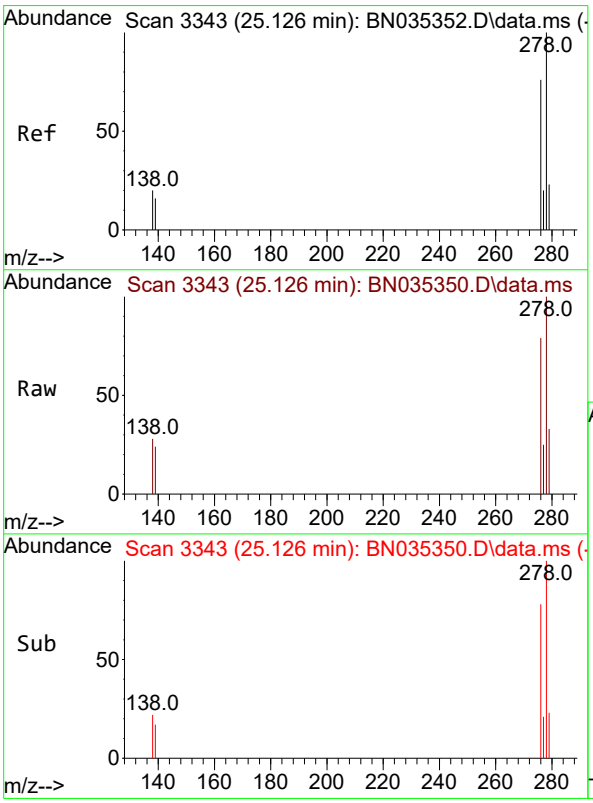
#39
Benzo(a)pyrene
Concen: 0.102 ng
RT: 22.977 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:252 Resp: 3913

Ion	Ratio	Lower	Upper
252	100		
253	36.1	20.2	30.4#
125	33.1	10.9	16.3#

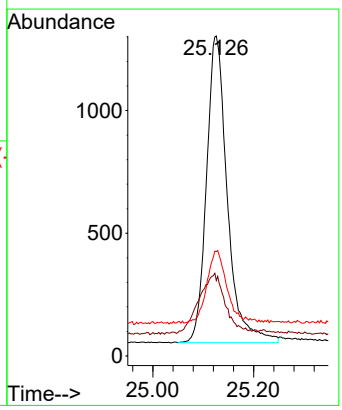


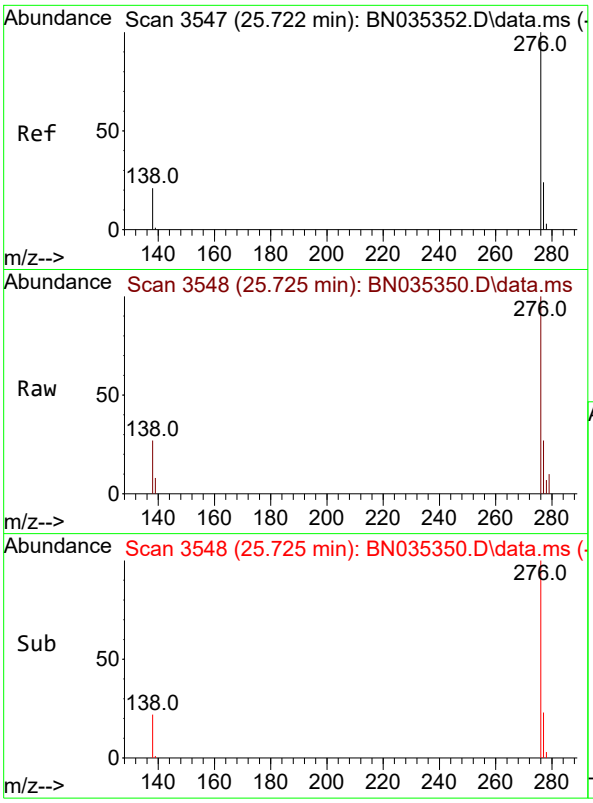


#40
Dibenzo(a,h)anthracene
Concen: 0.087 ng
RT: 25.126 min Scan# 3343
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Tgt Ion:278 Resp: 3588

Ion	Ratio	Lower	Upper
278	100		
139	23.6	14.2	21.4#
279	32.6	20.5	30.7#



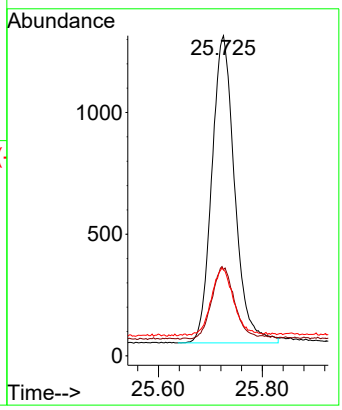


#41
Benzo(g,h,i)perylene
Concen: 0.088 ng
RT: 25.725 min Scan# 3
Delta R.T. 0.003 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:276 Resp: 3863

Ion	Ratio	Lower	Upper
276	100		
277	26.9	19.9	29.9
138	26.8	17.8	26.8#



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
Data File : BN035351.D
Acq On : 27 Nov 2024 16:10
Operator : RC/JU
Sample : SSTDICC0.2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Quant Time: Nov 27 22:52:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 27 22:48:24 2024
Response via : Initial Calibration

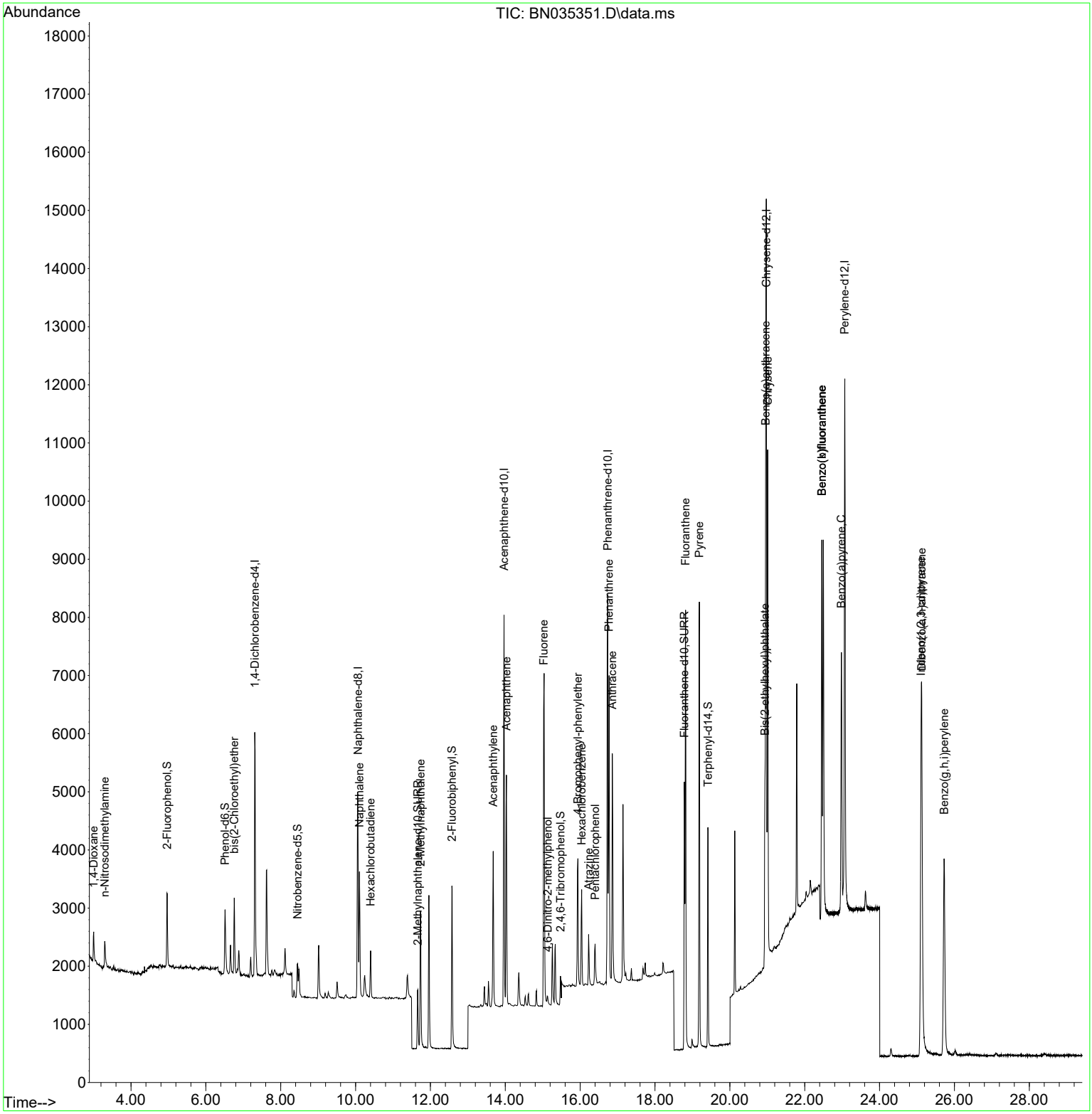
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.308	152	2084	0.400	ng	0.00
7) Naphthalene-d8	10.063	136	5334	0.400	ng	# 0.01
13) Acenaphthene-d10	13.967	164	3808	0.400	ng	0.00
19) Phenanthrene-d10	16.735	188	9904	0.400	ng	0.00
29) Chrysene-d12	20.974	240	9963	0.400	ng	0.00
35) Perylene-d12	23.070	264	11158	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.968	112	1159	0.219	ng	0.00
5) Phenol-d6	6.513	99	1236	0.186	ng	0.00
8) Nitrobenzene-d5	8.450	82	806	0.174	ng	0.01
11) 2-Methylnaphthalene-d10	11.661	152	1608	0.169	ng	0.00
14) 2,4,6-Tribromophenol	15.475	330	492	0.179	ng	0.00
15) 2-Fluorobiphenyl	12.574	172	2838	0.184	ng	0.00
27) Fluoranthene-d10	18.784	212	5379	0.177	ng	0.00
31) Terphenyl-d14	19.416	244	3871	0.185	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.003	88	435	0.230	ng	# 95
3) n-Nitrosodimethylamine	3.299	42	315	0.179	ng	# 87
6) bis(2-Chloroethyl)ether	6.759	93	1064	0.214	ng	99
9) Naphthalene	10.105	128	2744	0.197	ng	96
10) Hexachlorobutadiene	10.404	225	646	0.158	ng	# 99
12) 2-Methylnaphthalene	11.737	142	1910	0.186	ng	98
16) Acenaphthylene	13.678	152	3047	0.187	ng	99
17) Acenaphthene	14.031	154	2064	0.194	ng	99
18) Fluorene	15.026	166	2949	0.188	ng	99
20) 4,6-Dinitro-2-methylph...	15.132	198	153	0.074	ng	# 53
21) 4-Bromophenyl-phenylether	15.941	248	1081	0.171	ng	96
22) Hexachlorobenzene	16.040	284	1318	0.201	ng	98
23) Atrazine	16.227	200	770	0.136	ng	93
24) Pentachlorophenol	16.400	266	445	0.145	ng	# 84
25) Phenanthrene	16.773	178	5182	0.199	ng	99
26) Anthracene	16.860	178	4571	0.191	ng	100
28) Fluoranthene	18.817	202	6914	0.193	ng	100
30) Pyrene	19.184	202	7198	0.217	ng	100
32) Benzo(a)anthracene	20.956	228	6691	0.193	ng	99
33) Chrysene	21.009	228	7234	0.211	ng	99
34) Bis(2-ethylhexyl)phtha...	20.938	149	2779	0.153	ng	# 99
36) Indeno(1,2,3-cd)pyrene	25.108	276	8305	0.187	ng	100
37) Benzo(b)fluoranthene	22.456	252	7522	0.200	ng	# 94
38) Benzo(k)fluoranthene	22.456	252	7522	0.200	ng	94
39) Benzo(a)pyrene	22.980	252	6450	0.195	ng	# 90
40) Dibenzo(a,h)anthracene	25.128	278	6620	0.188	ng	96
41) Benzo(g,h,i)perylene	25.725	276	6908	0.184	ng	99

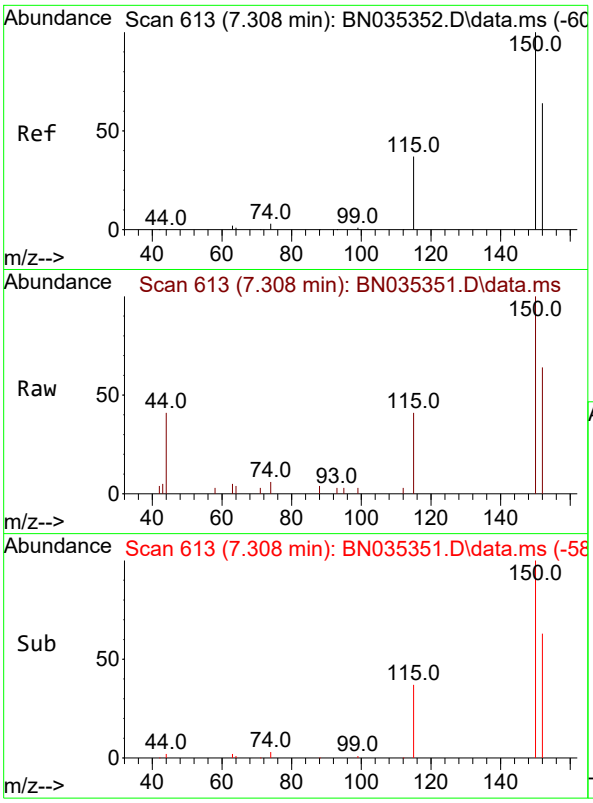
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
Data File : BN035351.D
Acq On : 27 Nov 2024 16:10
Operator : RC/JU
Sample : SSTDICC0.2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Quant Time: Nov 27 22:52:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 27 22:48:24 2024
Response via : Initial Calibration



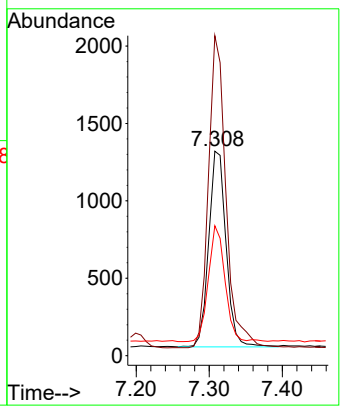


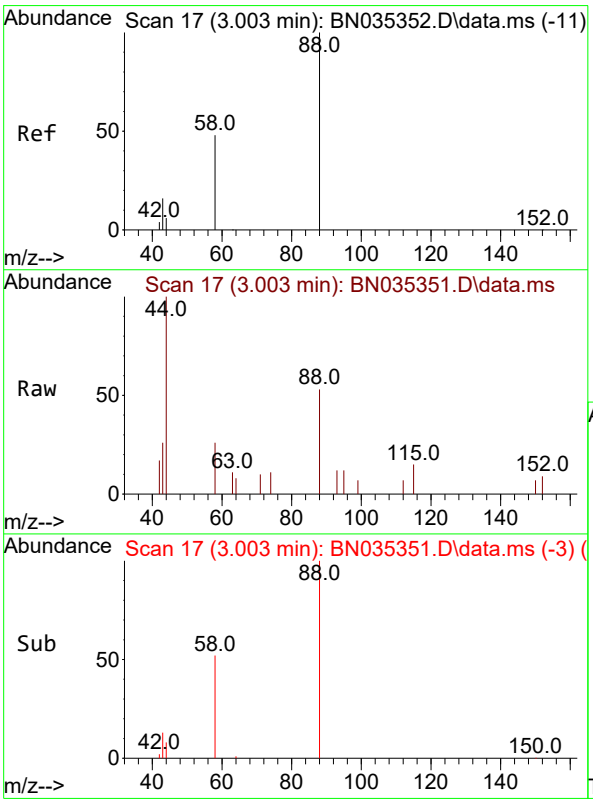
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.308 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:152 Resp: 2084

Ion	Ratio	Lower	Upper
152	100		
150	156.5	124.0	186.0
115	63.5	49.6	74.4

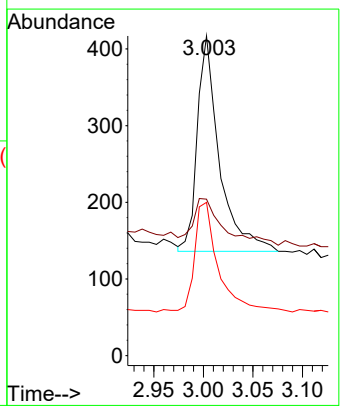


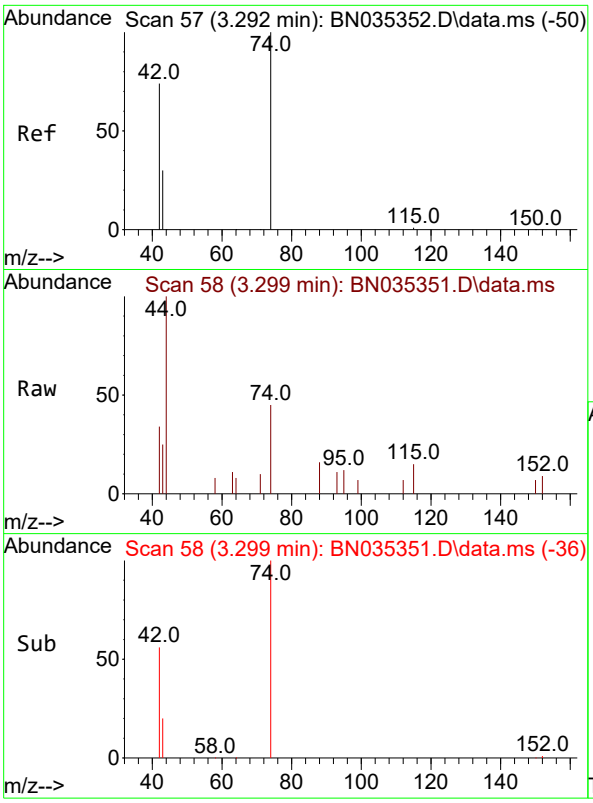


#2
1,4-Dioxane
Concen: 0.230 ng
RT: 3.003 min Scan# 17
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion: 88 Resp: 435

Ion	Ratio	Lower	Upper
88	100		
43	29.9	17.2	25.8#
58	55.2	44.5	66.7



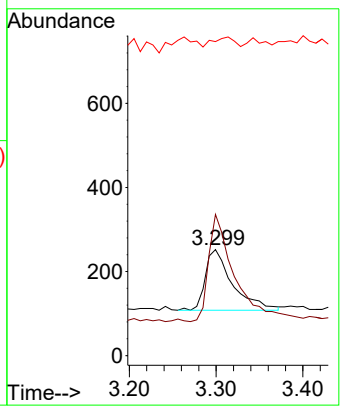


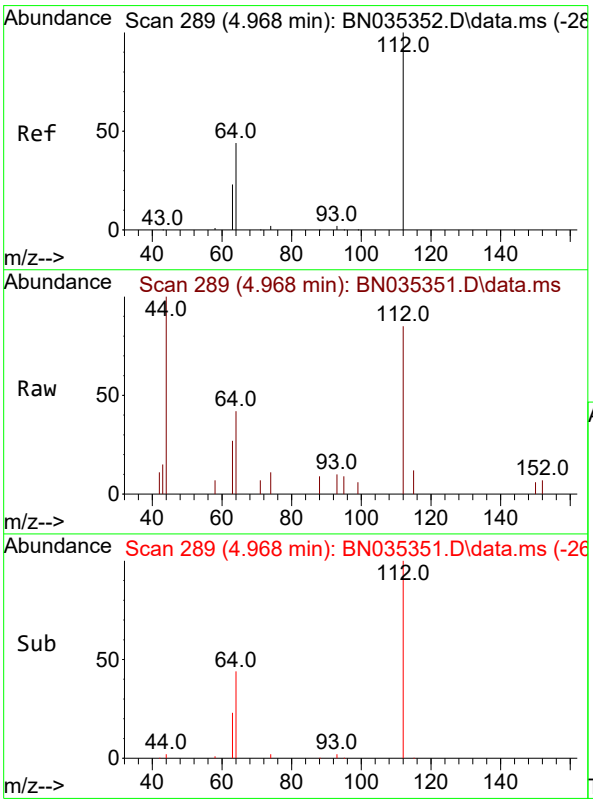
#3
n-Nitrosodimethylamine
Concen: 0.179 ng
RT: 3.299 min Scan# 5
Delta R.T. 0.007 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion: 42 Resp: 315

Ion	Ratio	Lower	Upper
42	100		
74	172.4	124.9	187.3
44	16.2	2.2	3.4#

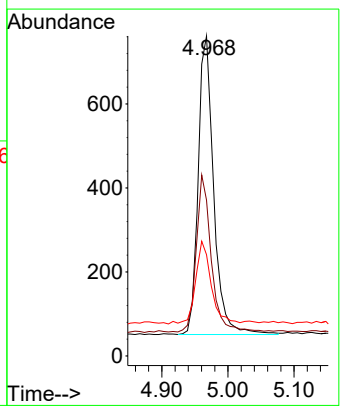


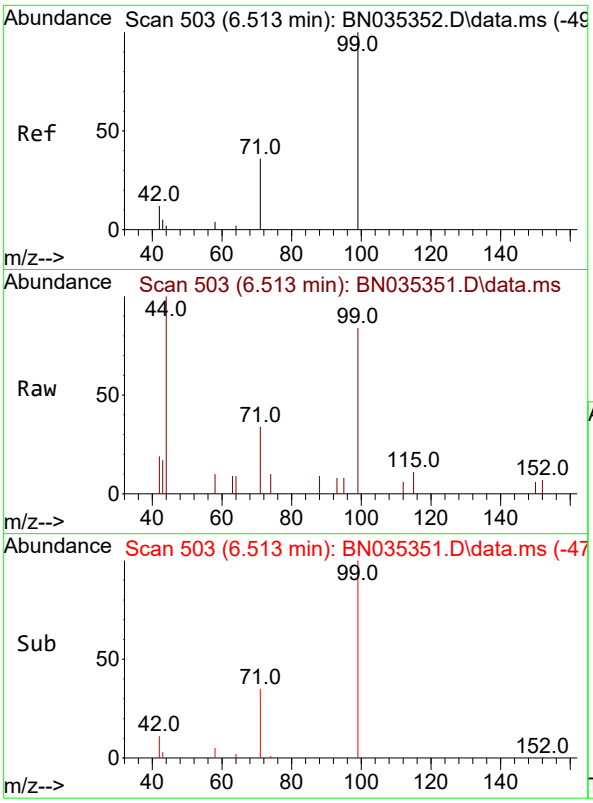


#4
2-Fluorophenol
Concen: 0.219 ng
RT: 4.968 min Scan# 289
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion:112 Resp: 1159

Ion	Ratio	Lower	Upper
112	100		
64	51.2	39.8	59.8
63	27.9	21.0	31.6



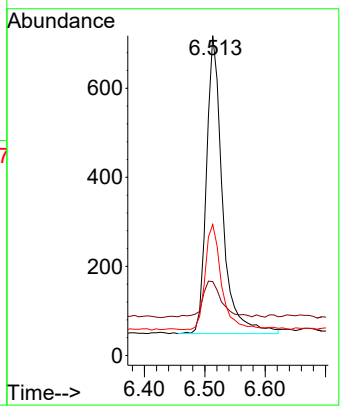


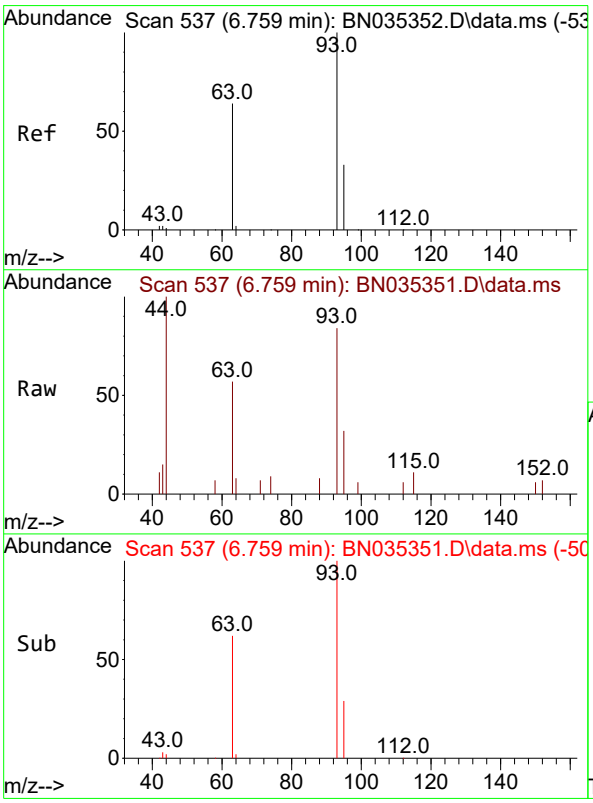
#5
Phenol-d6
Concen: 0.186 ng
RT: 6.513 min Scan# 5(
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion: 99 Resp: 1236

Ion	Ratio	Lower	Upper
99	100		
42	15.0	11.4	17.2
71	35.8	29.3	43.9

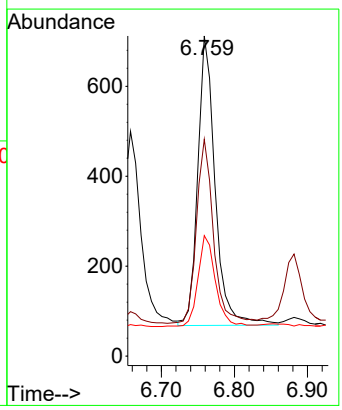


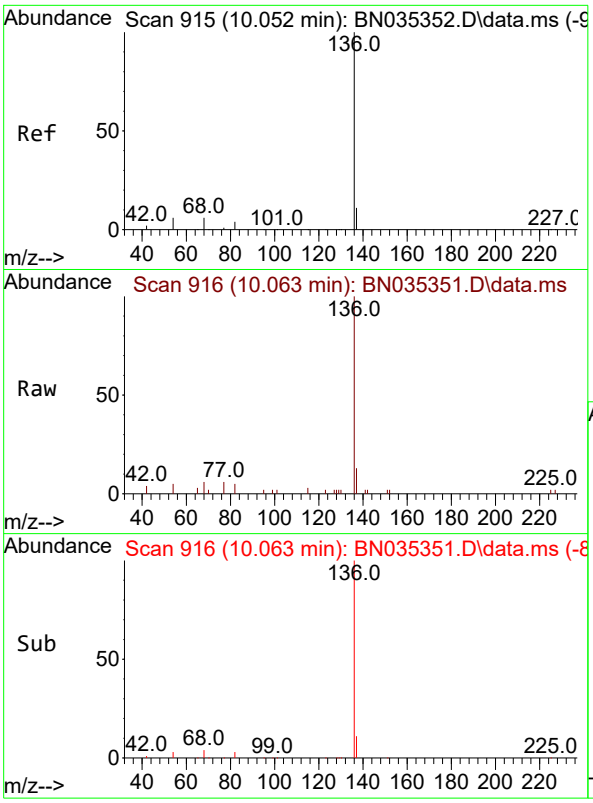


#6
bis(2-Chloroethyl)ether
Concen: 0.214 ng
RT: 6.759 min Scan# 537
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion: 93 Resp: 1064

Ion	Ratio	Lower	Upper
93	100		
63	62.2	50.4	75.6
95	31.6	25.7	38.5



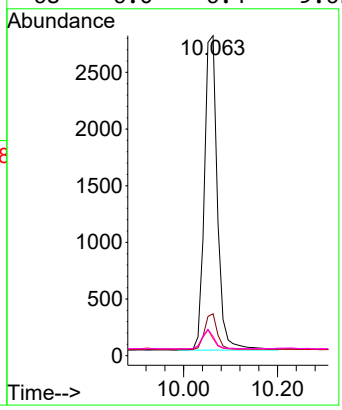


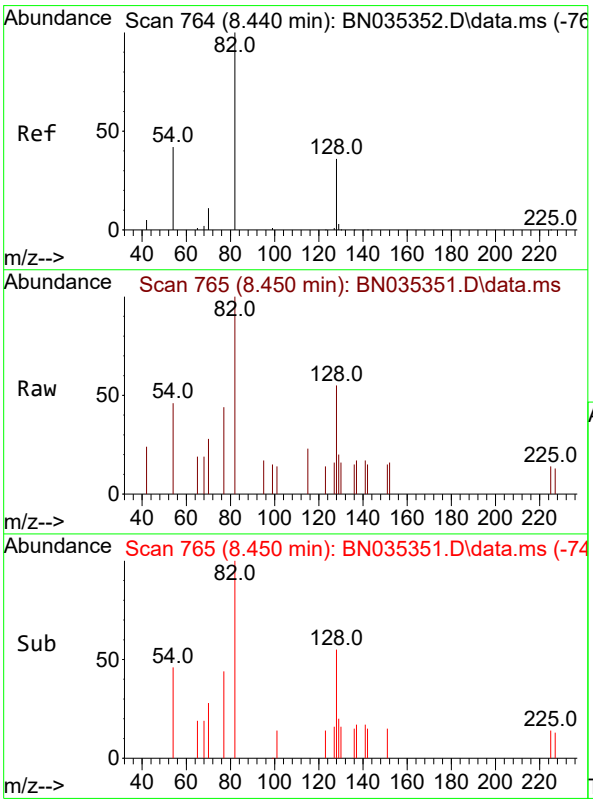
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.063 min Scan# 91
Delta R.T. 0.011 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:136 Resp: 5334

Ion	Ratio	Lower	Upper
136	100		
137	13.1	10.2	15.2
54	5.3	6.1	9.1#
68	6.0	6.4	9.6#

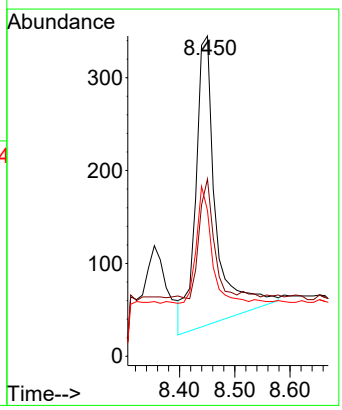


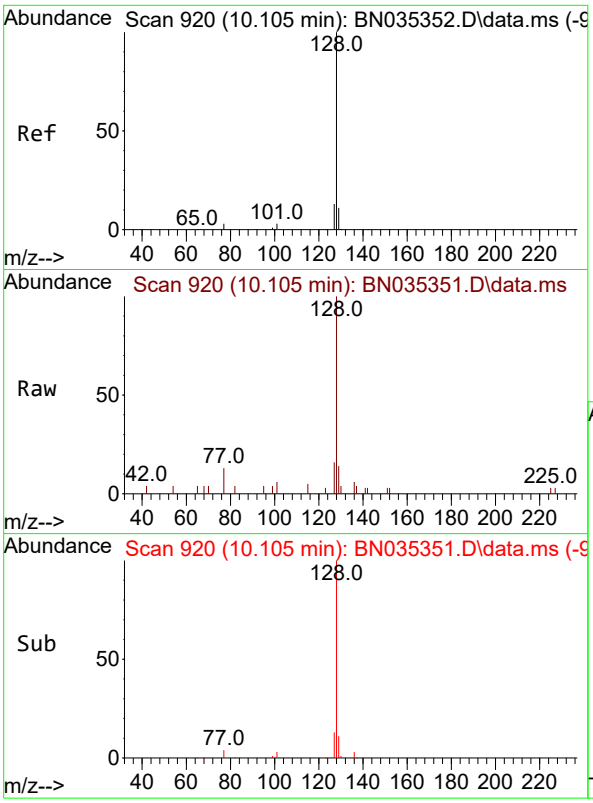


#8
Nitrobenzene-d5
Concen: 0.174 ng
RT: 8.450 min Scan# 765
Delta R.T. 0.011 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion: 82 Resp: 806

Ion	Ratio	Lower	Upper
82	100		
128	55.4	33.4	50.0#
54	45.5	36.7	55.1



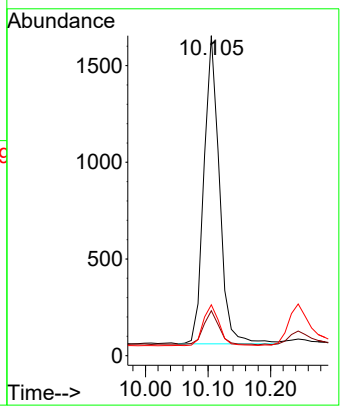


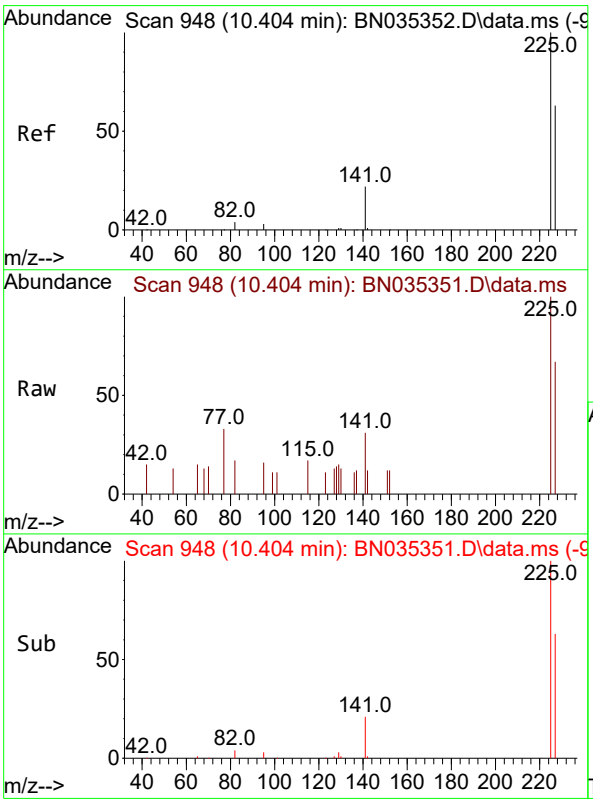
#9
Naphthalene
Concen: 0.197 ng
RT: 10.105 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:128 Resp: 2744

Ion	Ratio	Lower	Upper
128	100		
129	14.0	9.8	14.6
127	15.9	11.4	17.2

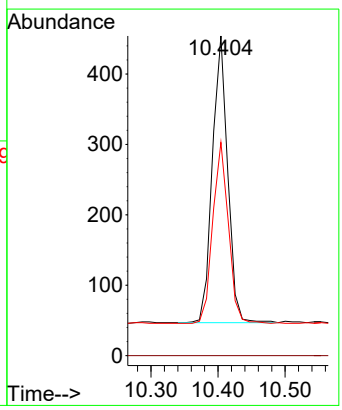


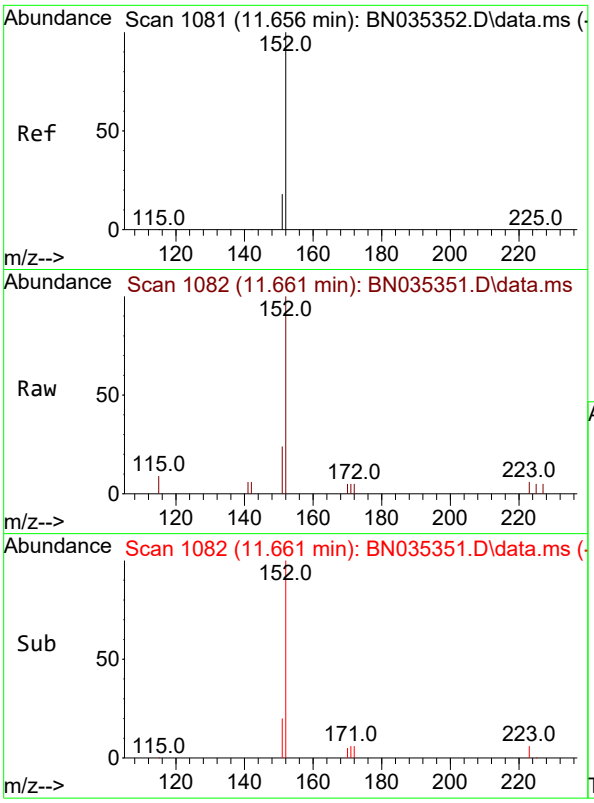


#10
Hexachlorobutadiene
Concen: 0.158 ng
RT: 10.404 min Scan# 948
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion:225 Resp: 646

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.7	51.3	76.9



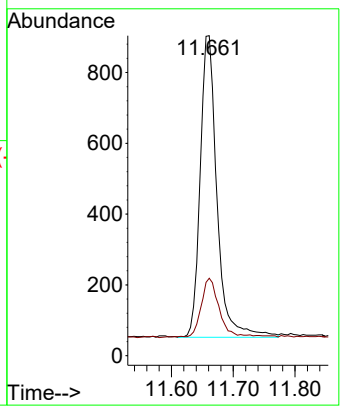


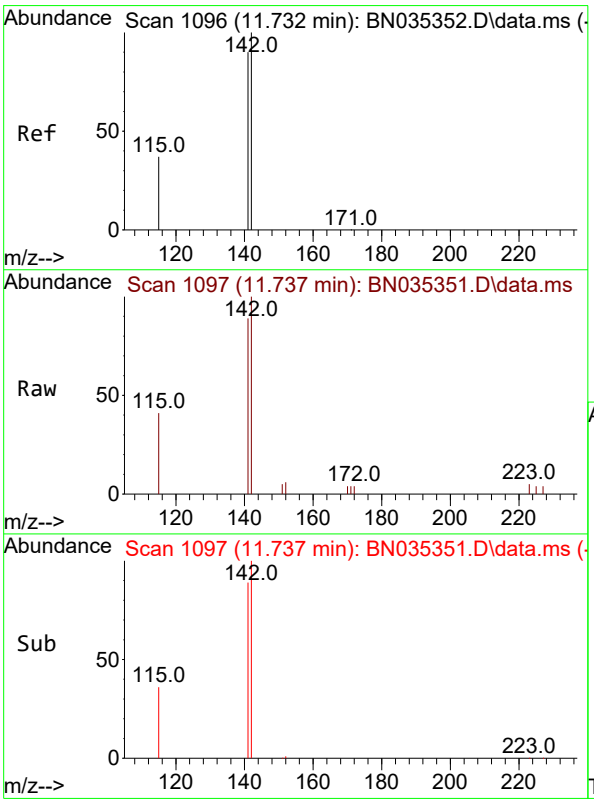
#11
2-Methylnaphthalene-d10
Concen: 0.169 ng
RT: 11.661 min Scan# 1
Delta R.T. 0.005 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:152 Resp: 1608

Ion	Ratio	Lower	Upper
152	100		
151	22.3	16.6	25.0

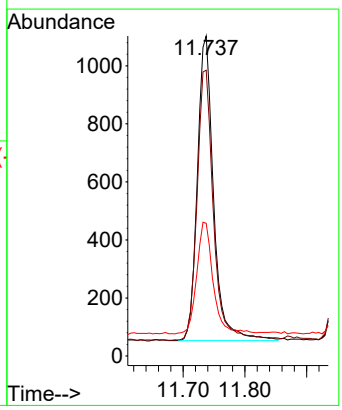


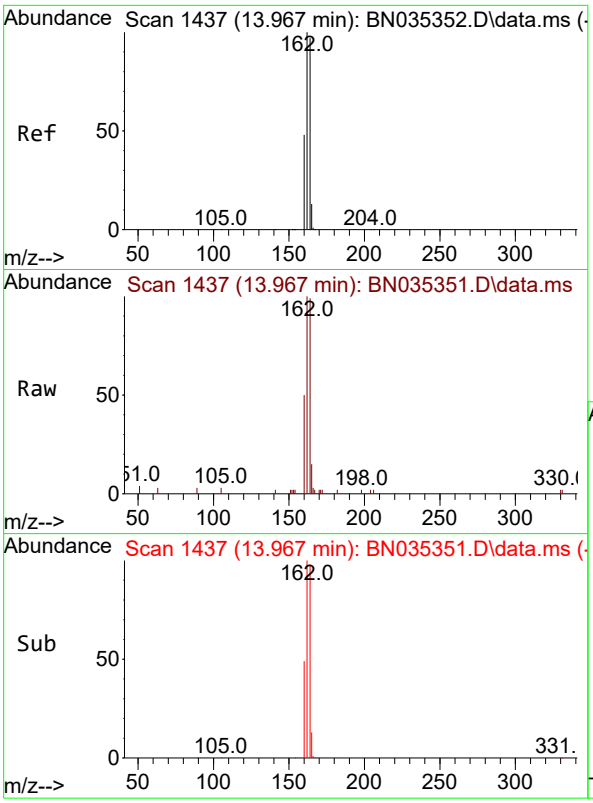


#12
2-Methylnaphthalene
Concen: 0.186 ng
RT: 11.737 min Scan# 1097
Delta R.T. 0.005 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion:142 Resp: 1910

Ion	Ratio	Lower	Upper
142	100		
141	89.3	72.2	108.4
115	41.4	31.4	47.0



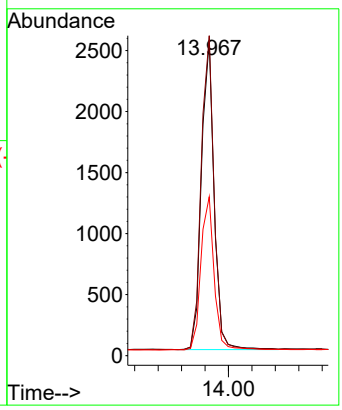


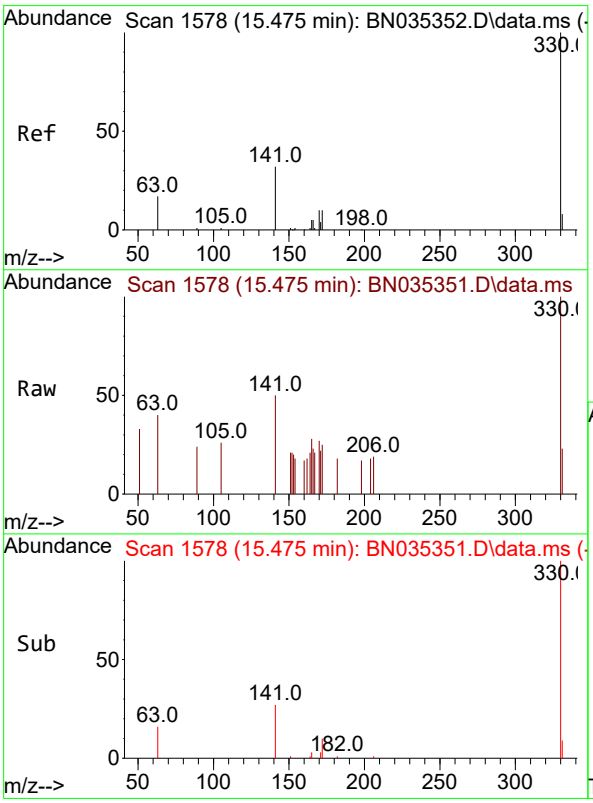
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.967 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:164 Resp: 3808

Ion	Ratio	Lower	Upper
164	100		
162	101.5	82.2	123.2
160	50.4	40.1	60.1

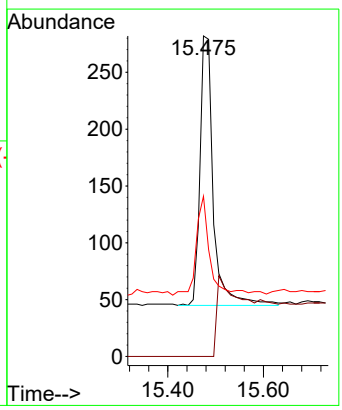


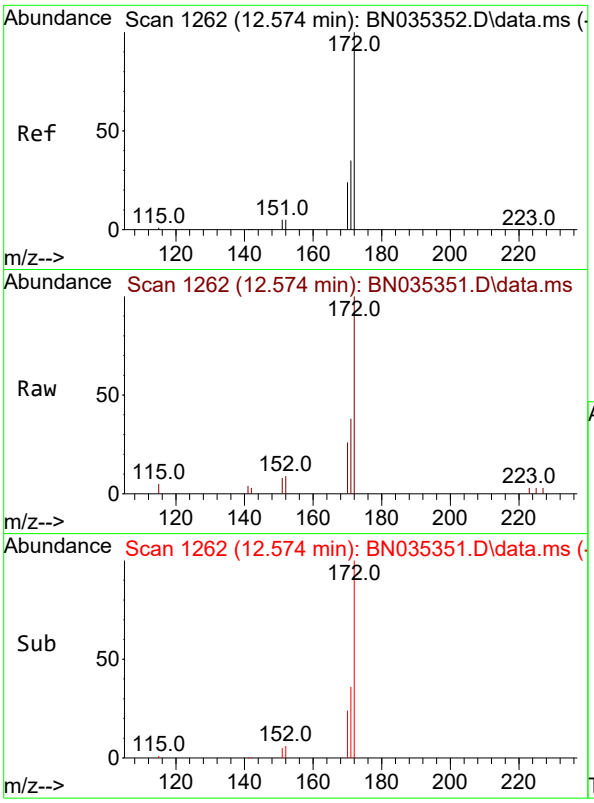


#14
2,4,6-Tribromophenol
Concen: 0.179 ng
RT: 15.475 min Scan# 1578
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion:330 Resp: 492

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	37.2	26.6	40.0



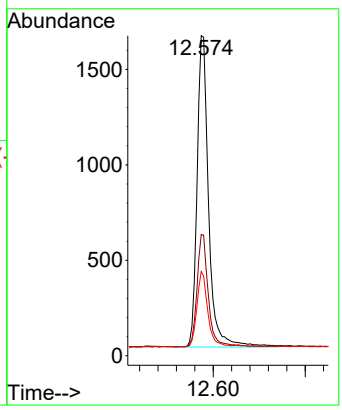


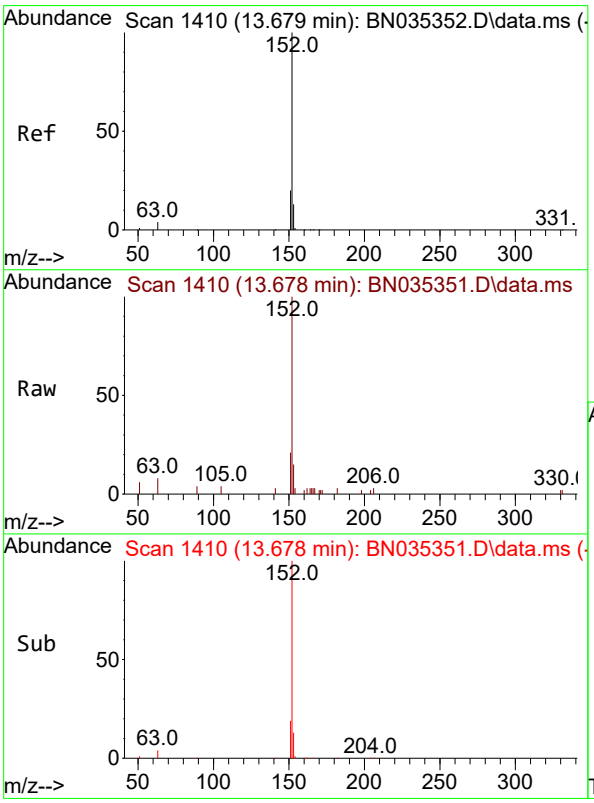
#15
2-Fluorobiphenyl
Concen: 0.184 ng
RT: 12.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:172 Resp: 2838

Ion	Ratio	Lower	Upper
172	100		
171	37.9	29.0	43.4
170	26.3	19.8	29.8

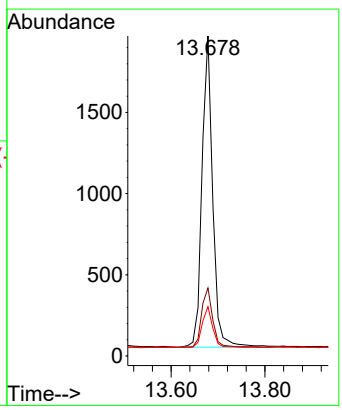


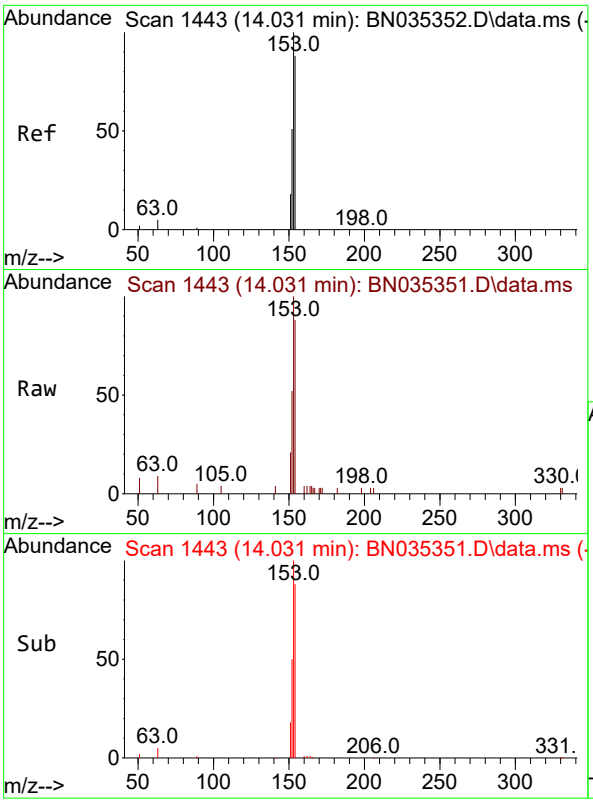


#16
Acenaphthylene
Concen: 0.187 ng
RT: 13.678 min Scan# 1410
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion:152 Resp: 3047

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.2	24.2
153	12.9	10.4	15.6



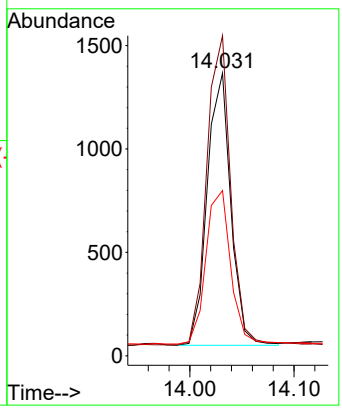


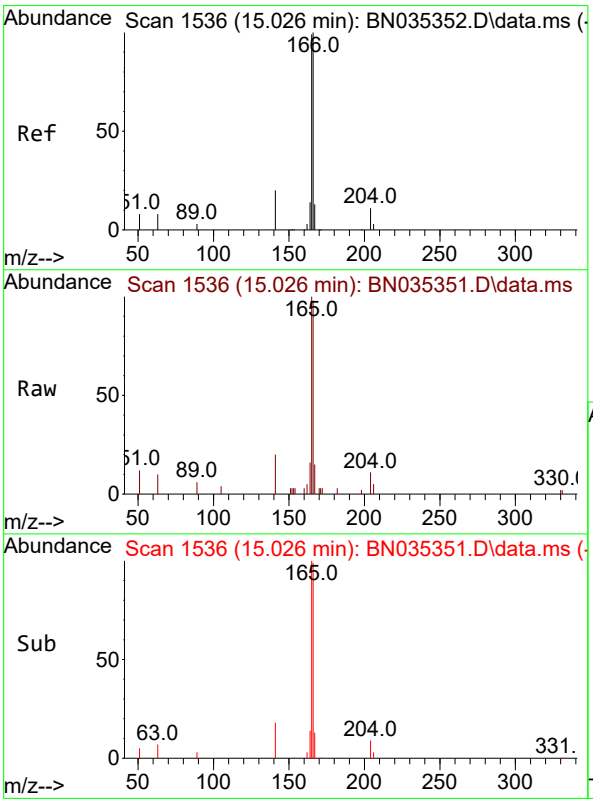
#17
Acenaphthene
Concen: 0.194 ng
RT: 14.031 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:154 Resp: 2064

Ion	Ratio	Lower	Upper
154	100		
153	115.2	92.6	139.0
152	60.7	49.0	73.6

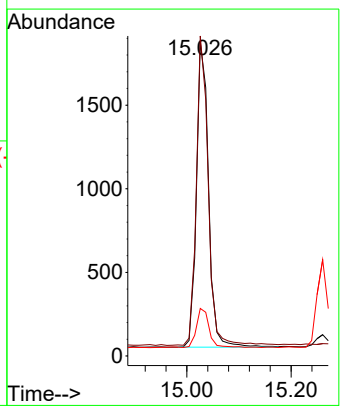


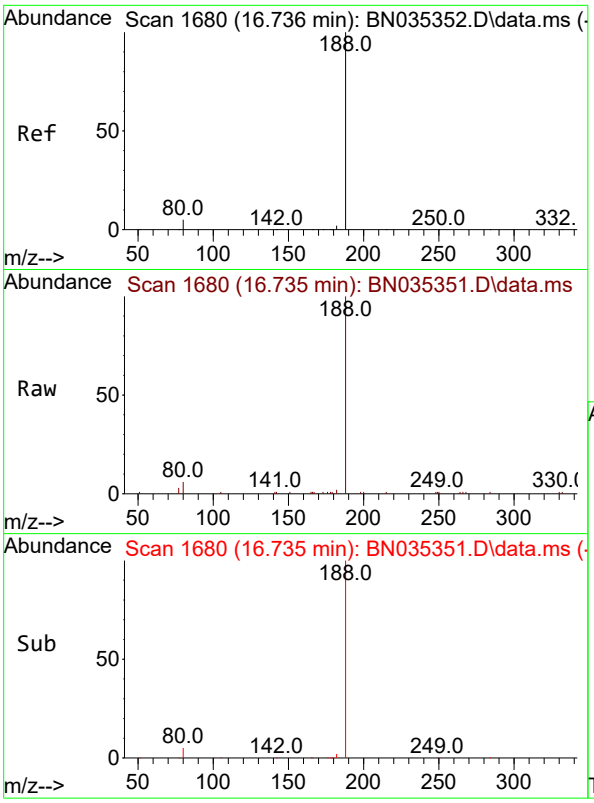


#18
Fluorene
Concen: 0.188 ng
RT: 15.026 min Scan# 1536
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion:166 Resp: 2949

Ion	Ratio	Lower	Upper
166	100		
165	99.1	79.7	119.5
167	14.1	10.8	16.2



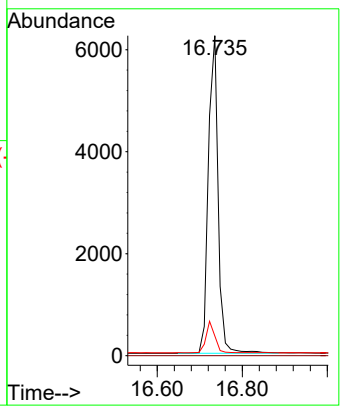


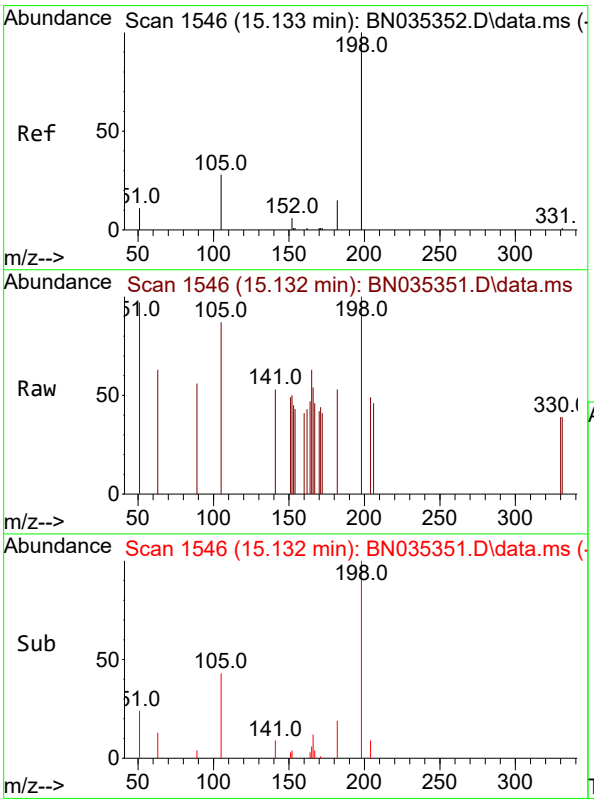
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:188 Resp: 9904

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.2	4.6	6.8

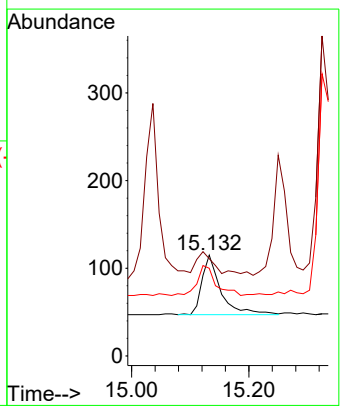


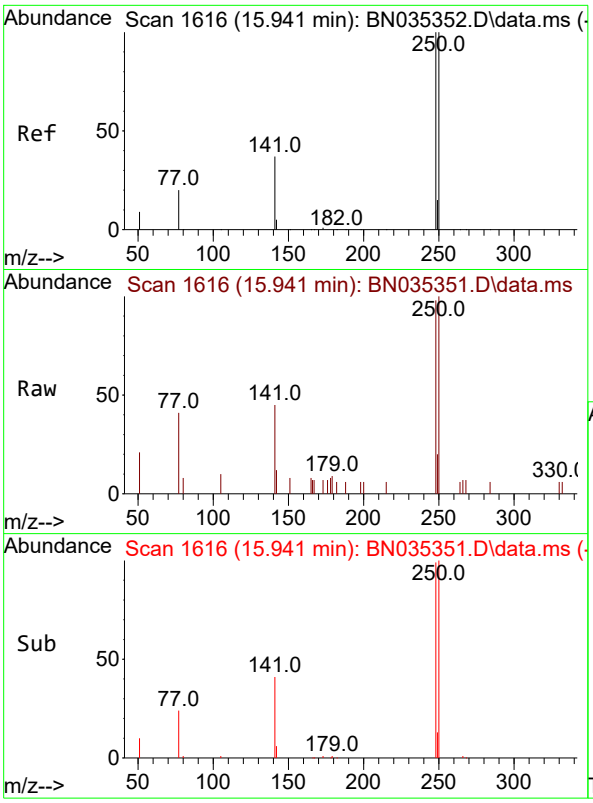


#20
4,6-Dinitro-2-methylphenol
Concen: 0.074 ng
RT: 15.132 min Scan# 1546
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion:198 Resp: 153

Ion	Ratio	Lower	Upper
198	100		
51	96.5	46.5	69.7#
105	87.0	45.3	67.9#



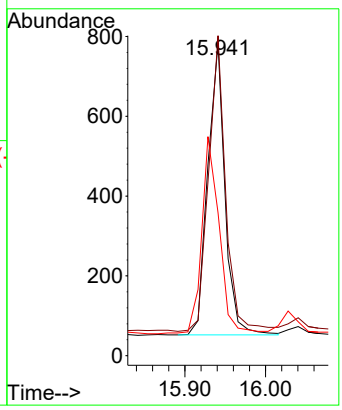


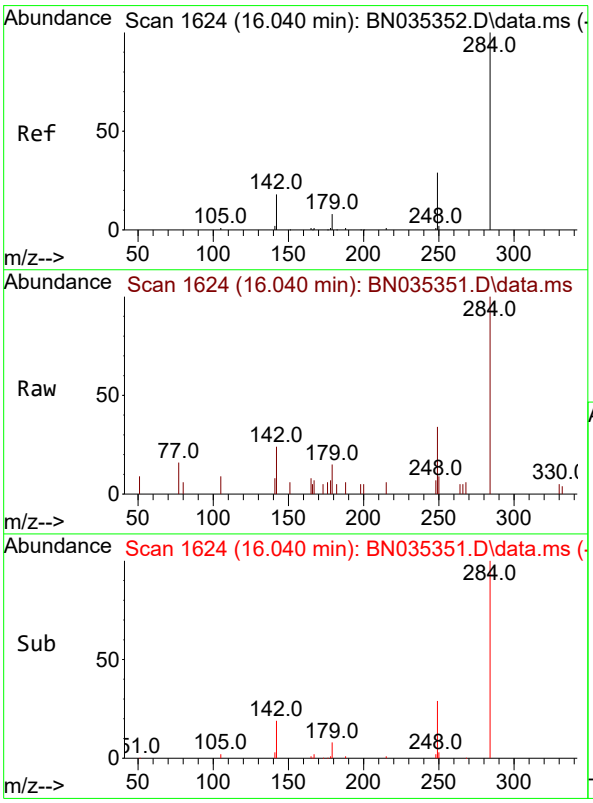
#21
4-Bromophenyl-phenylether
Concen: 0.171 ng
RT: 15.941 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:248 Resp: 1081

Ion	Ratio	Lower	Upper
248	100		
250	102.3	80.6	120.8
141	45.7	31.5	47.3

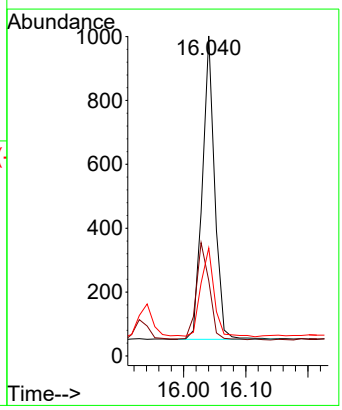


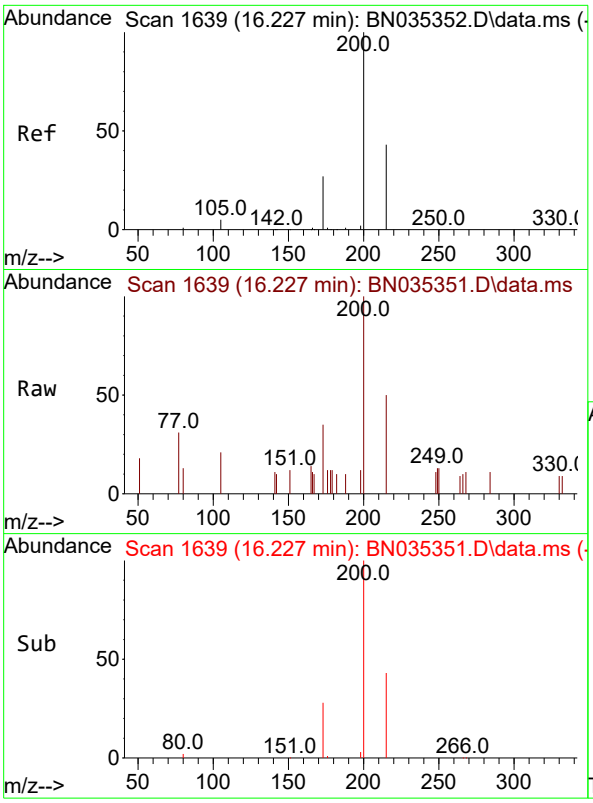


#22
Hexachlorobenzene
Concen: 0.201 ng
RT: 16.040 min Scan# 1624
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion:284 Resp: 1318

Ion	Ratio	Lower	Upper
284	100		
142	34.2	26.7	40.1
249	32.0	24.6	36.8



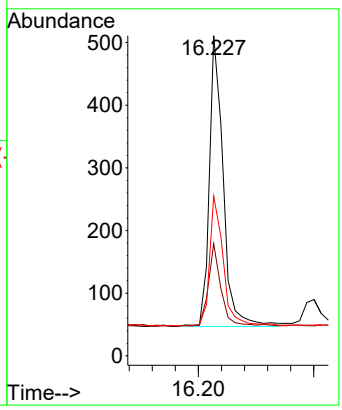


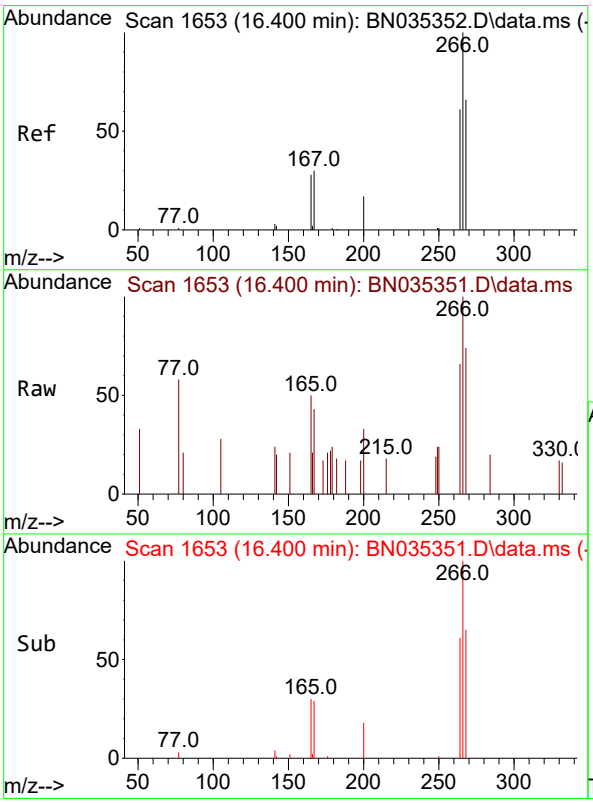
#23
Atrazine
Concen: 0.136 ng
RT: 16.227 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:200 Resp: 770

Ion	Ratio	Lower	Upper
200	100		
173	35.0	24.1	36.1
215	49.9	36.9	55.3

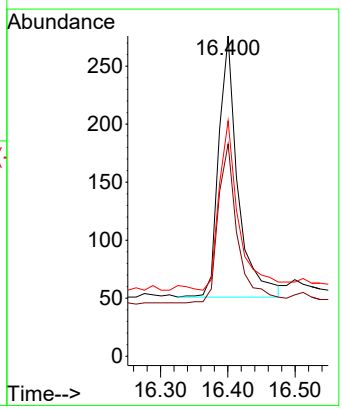


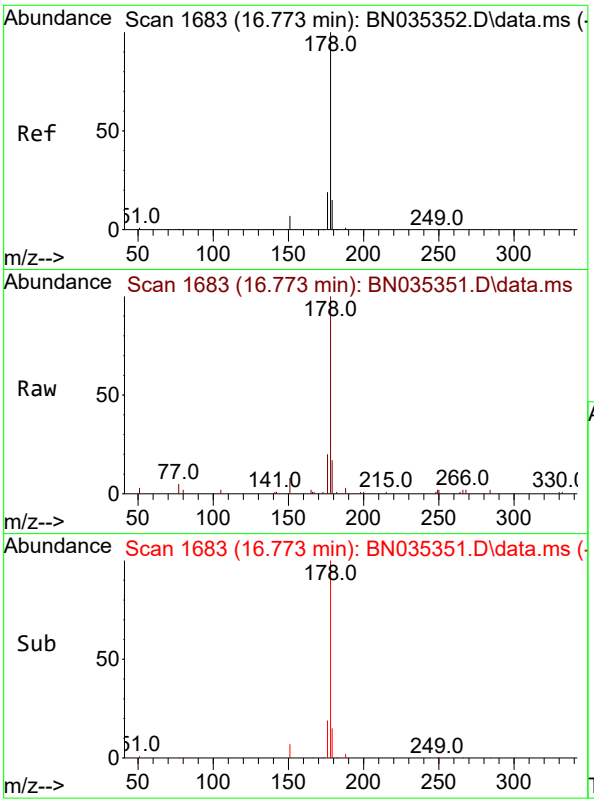


#24
Pentachlorophenol
Concen: 0.145 ng
RT: 16.400 min Scan# 1653
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion:266 Resp: 445

Ion	Ratio	Lower	Upper
266	100		
264	62.7	42.3	63.5
268	67.2	43.3	64.9#



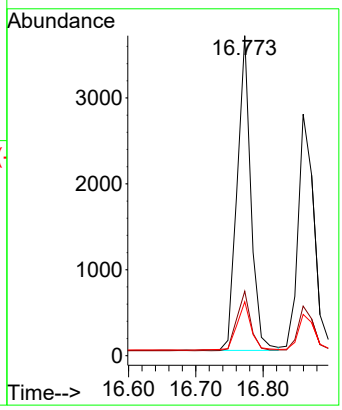


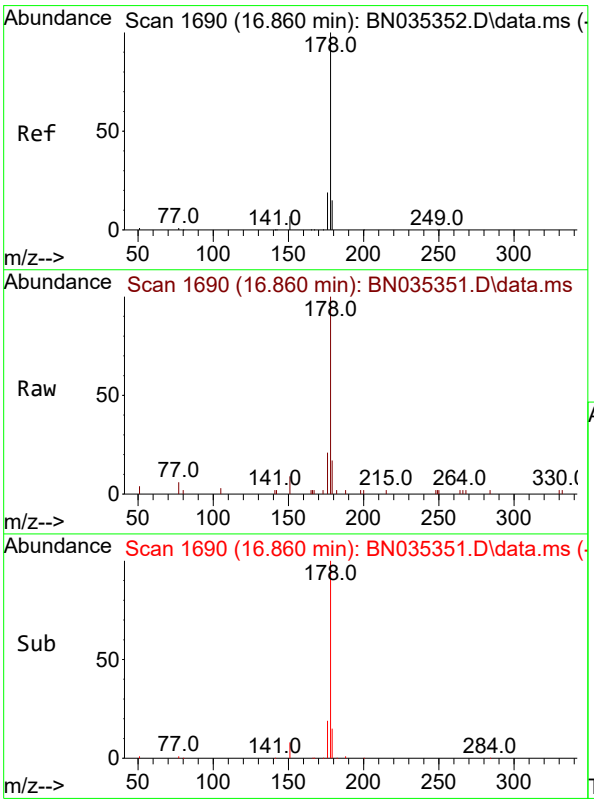
#25
Phenanthrene
Concen: 0.199 ng
RT: 16.773 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:178 Resp: 5182

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.2
179	15.9	12.3	18.5

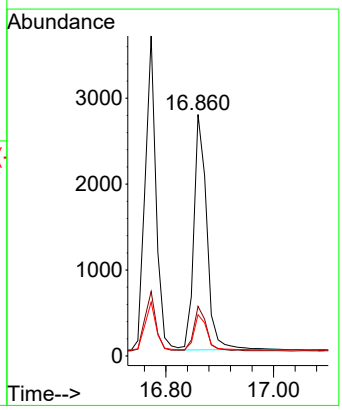


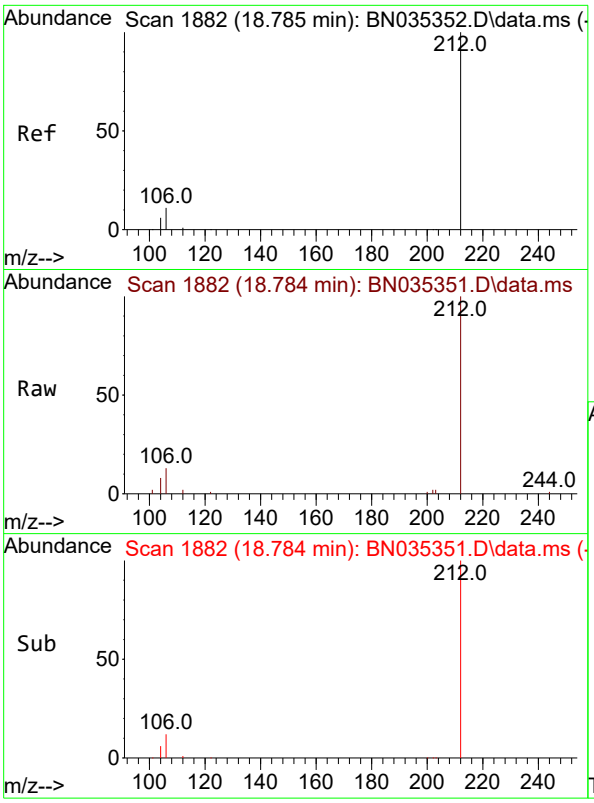


#26
Anthracene
Concen: 0.191 ng
RT: 16.860 min Scan# 1690
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion:178 Resp: 4571

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.6
179	15.4	12.6	18.8



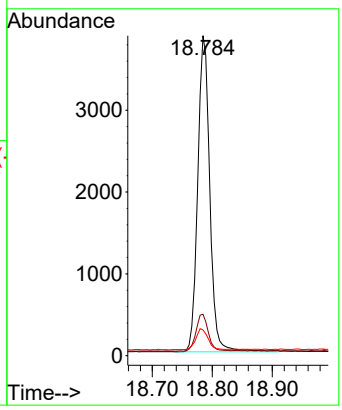


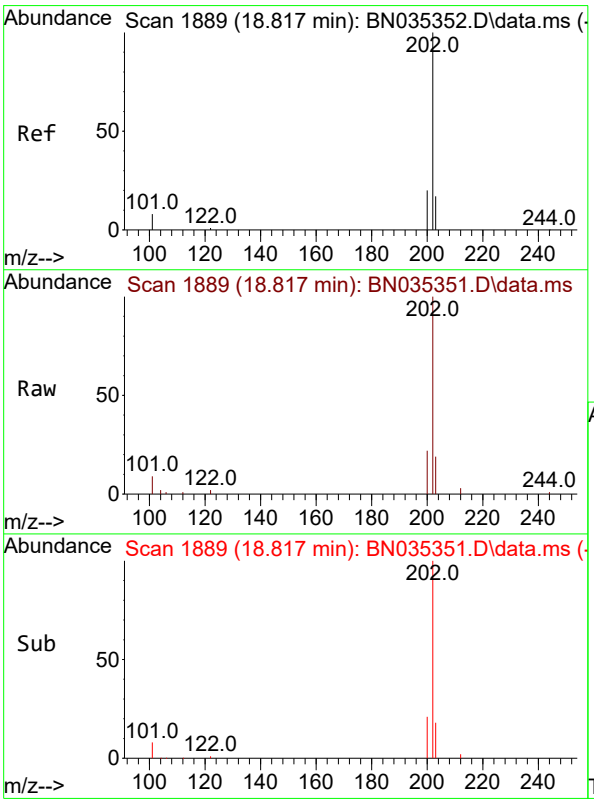
#27
Fluoranthene-d10
Concen: 0.177 ng
RT: 18.784 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:212 Resp: 5379

Ion	Ratio	Lower	Upper
212	100		
106	11.8	9.2	13.8
104	6.9	5.3	7.9

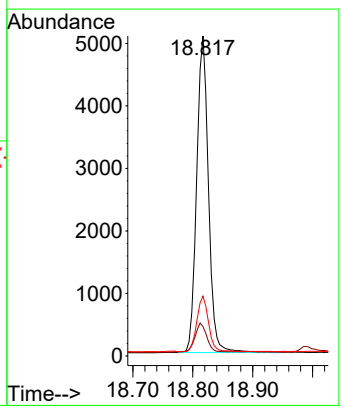


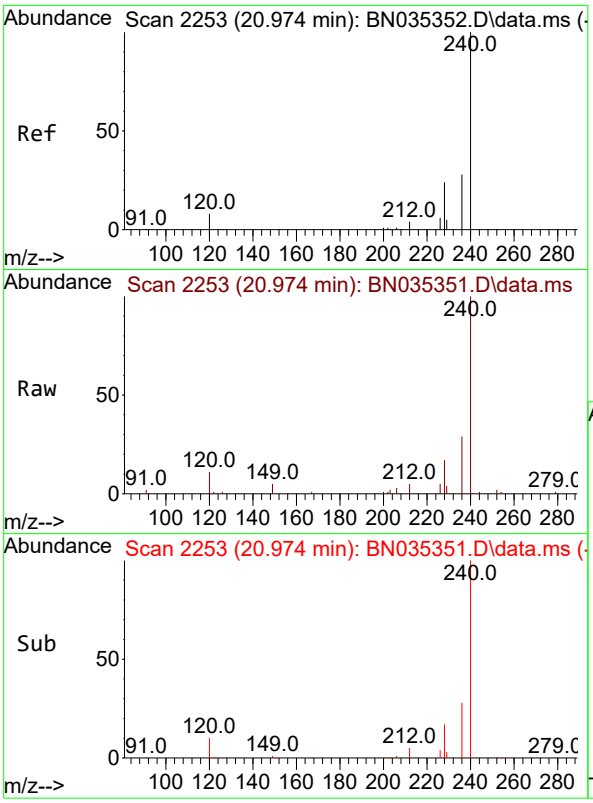


#28
Fluoranthene
Concen: 0.193 ng
RT: 18.817 min Scan# 1889
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion:202 Resp: 6914

Ion	Ratio	Lower	Upper
202	100		
101	9.3	7.4	11.0
203	17.3	13.7	20.5



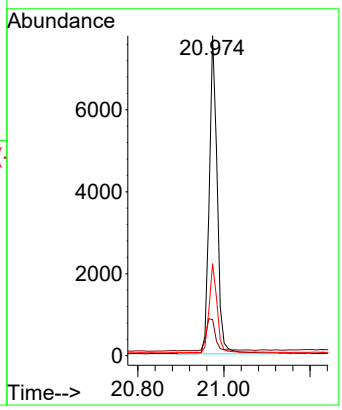


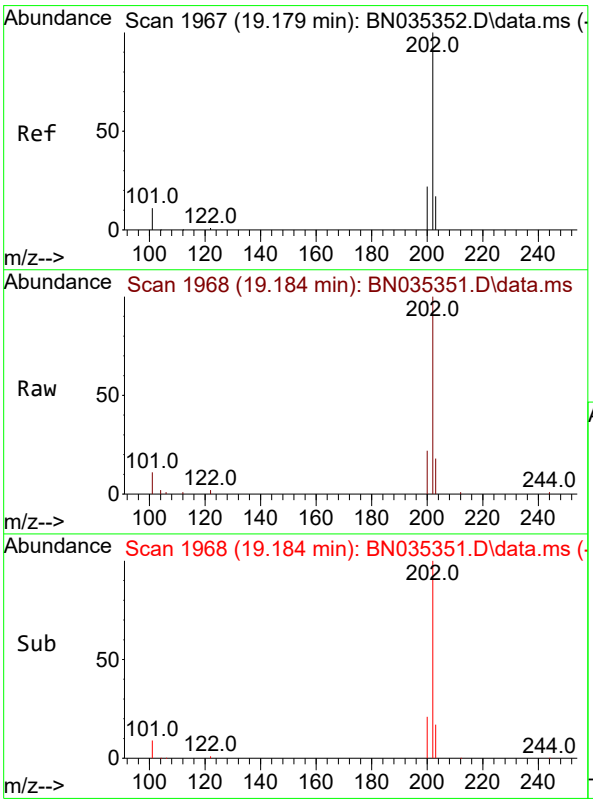
#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.974 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:240 Resp: 9963

Ion	Ratio	Lower	Upper
240	100		
120	11.3	7.9	11.9
236	28.8	22.9	34.3

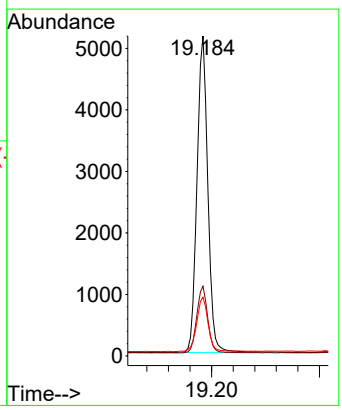


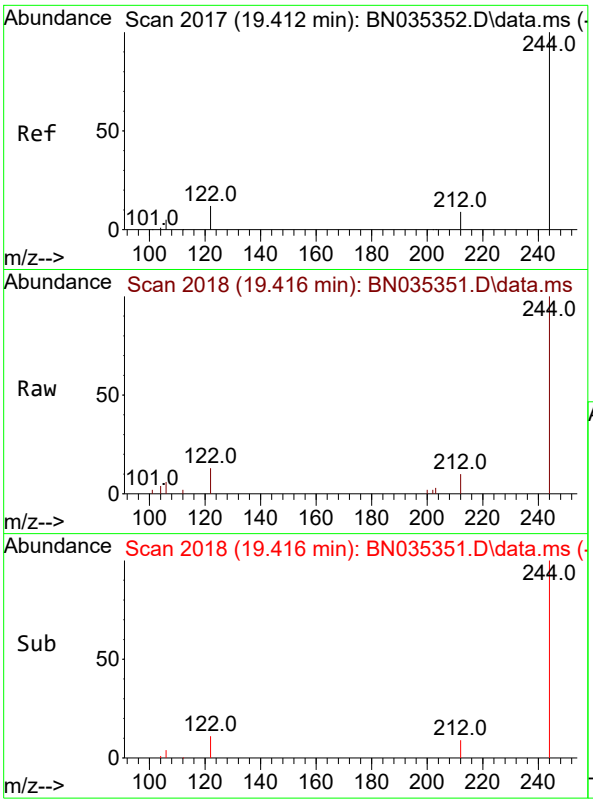


#30
Pyrene
Concen: 0.217 ng
RT: 19.184 min Scan# 1968
Delta R.T. 0.005 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion:202 Resp: 7198

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.0	25.4
203	18.0	14.3	21.5



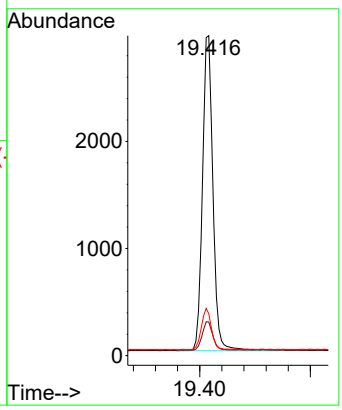


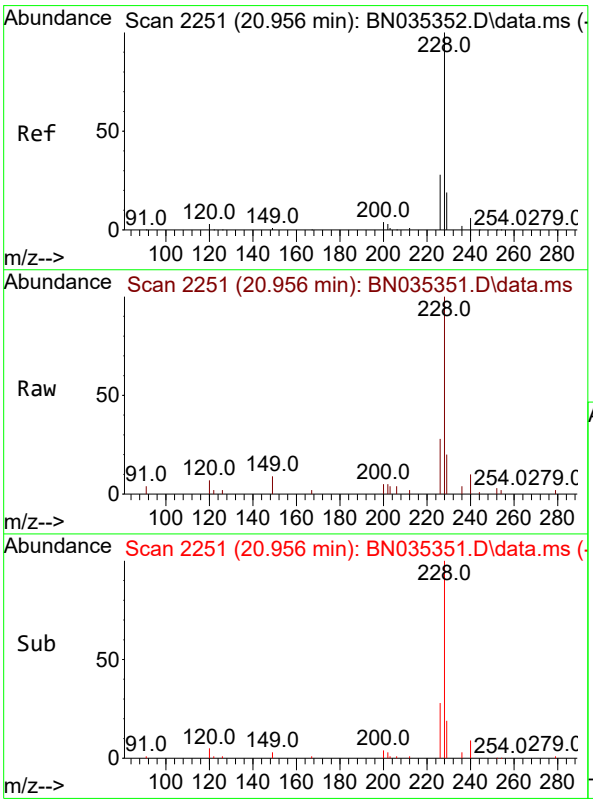
#31
Terphenyl-d14
Concen: 0.185 ng
RT: 19.416 min Scan# 2
Delta R.T. 0.005 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:244 Resp: 3871

Ion	Ratio	Lower	Upper
244	100		
212	10.5	8.1	12.1
122	13.1	10.3	15.5

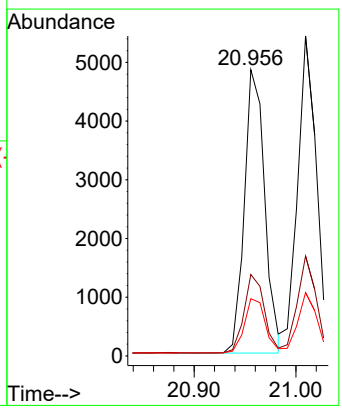


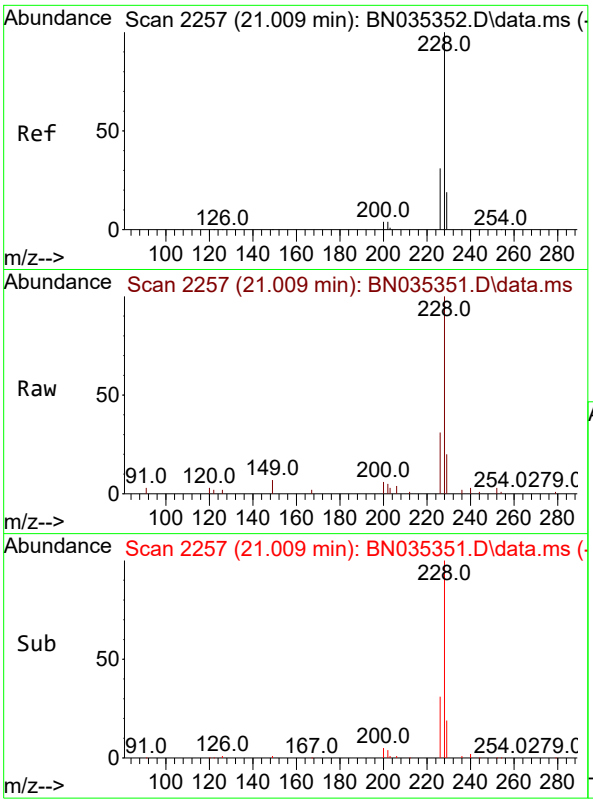


#32
Benzo(a)anthracene
Concen: 0.193 ng
RT: 20.956 min Scan# 2251
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion:228 Resp: 6691

Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.5	33.7
229	20.0	15.8	23.8



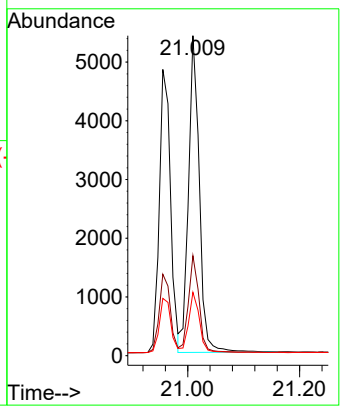


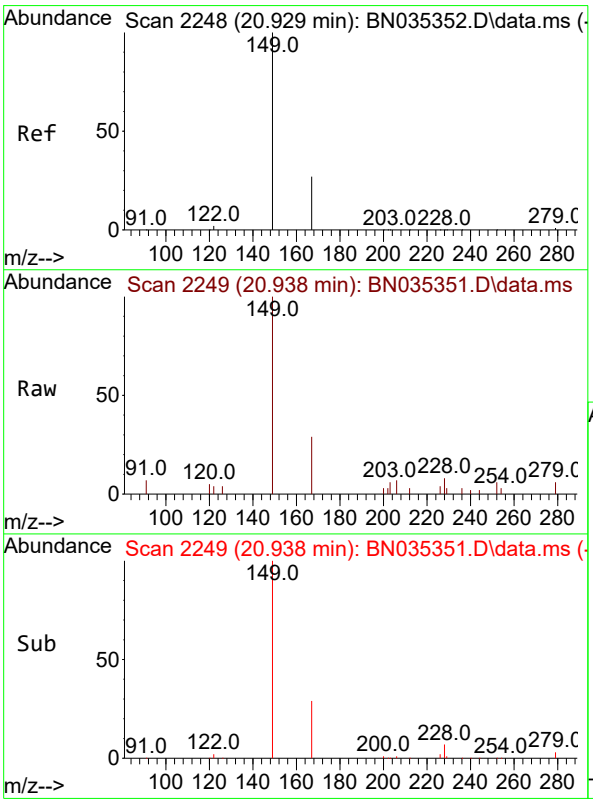
#33
Chrysene
Concen: 0.211 ng
RT: 21.009 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:228 Resp: 7234

Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.6	37.0
229	19.8	15.9	23.9

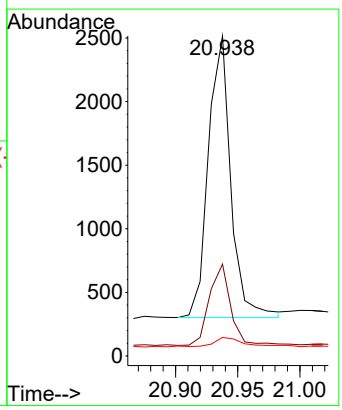


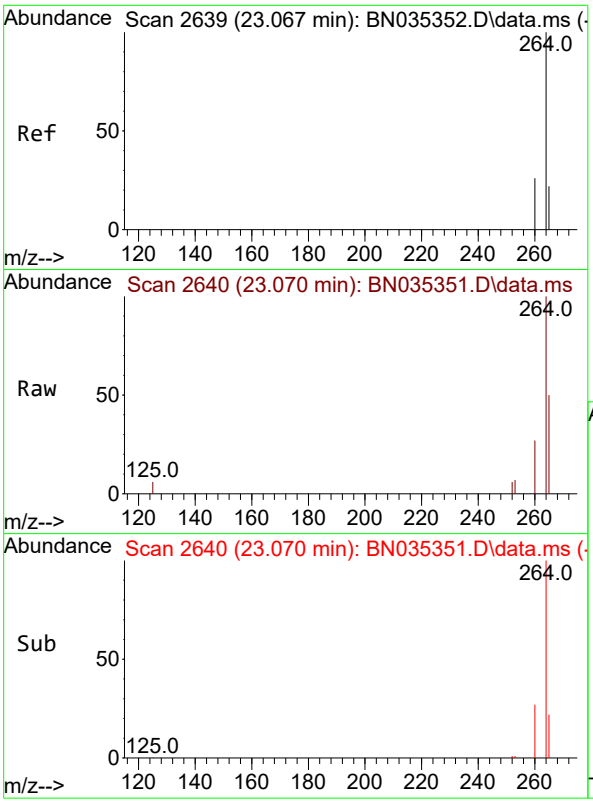


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.153 ng
RT: 20.938 min Scan# 2249
Delta R.T. 0.009 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion:149 Resp: 2779

Ion	Ratio	Lower	Upper
149	100		
167	27.5	22.2	33.4
279	4.8	2.7	4.1#



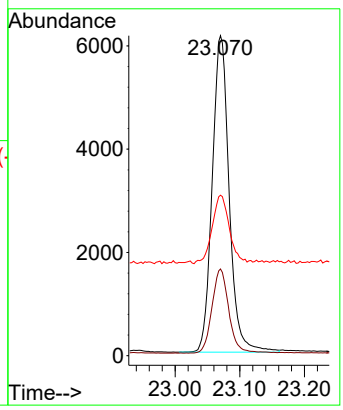


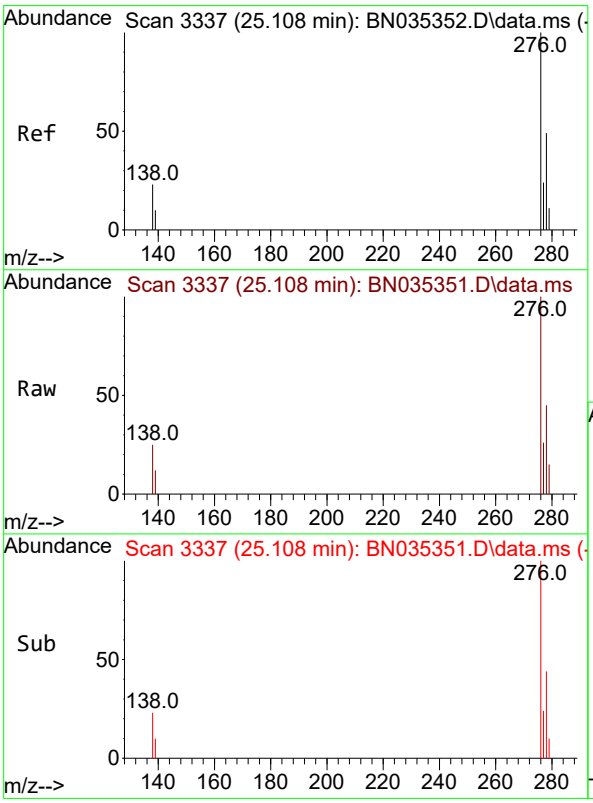
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.070 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:264 Resp: 11158

Ion	Ratio	Lower	Upper
264	100		
260	27.1	21.4	32.2
265	50.2	40.2	60.4

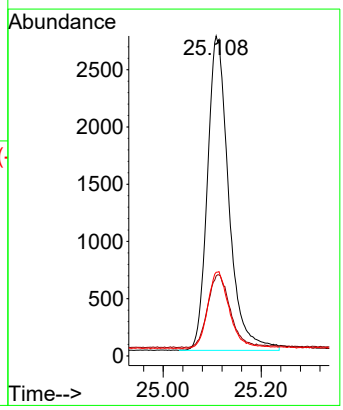


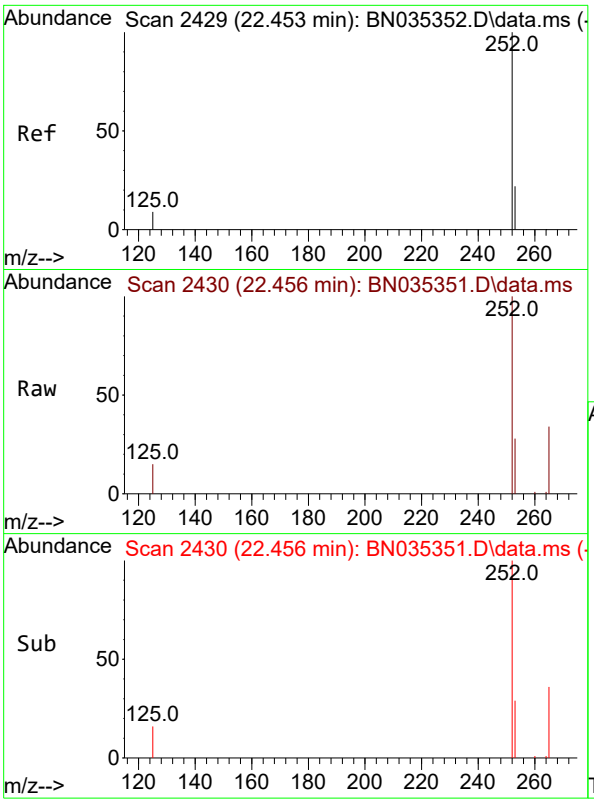


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.187 ng
RT: 25.108 min Scan# 3337
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion:276 Resp: 8305

Ion	Ratio	Lower	Upper
276	100		
138	24.3	19.4	29.0
277	24.7	19.8	29.6



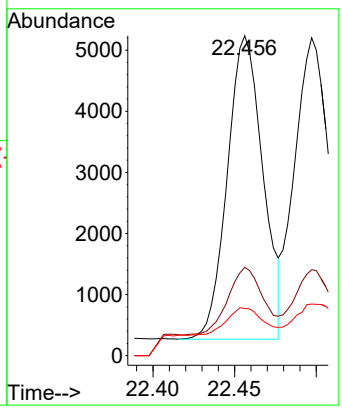


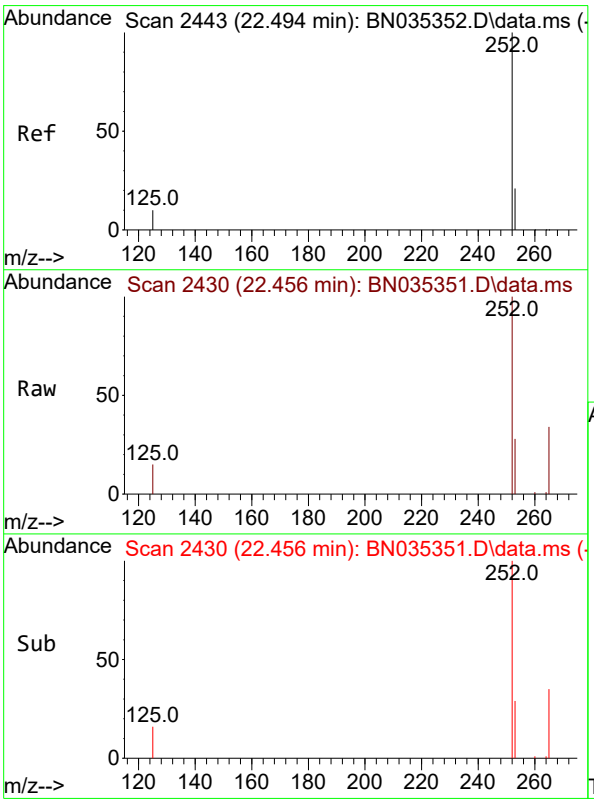
#37
Benzo(b)fluoranthene
Concen: 0.200 ng
RT: 22.456 min Scan# 24
Delta R.T. 0.003 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:252 Resp: 7522

Ion	Ratio	Lower	Upper
252	100		
253	27.6	19.6	29.4
125	14.8	9.6	14.4#

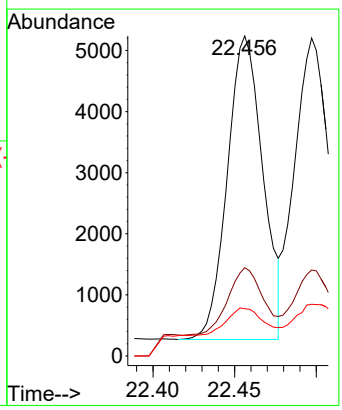


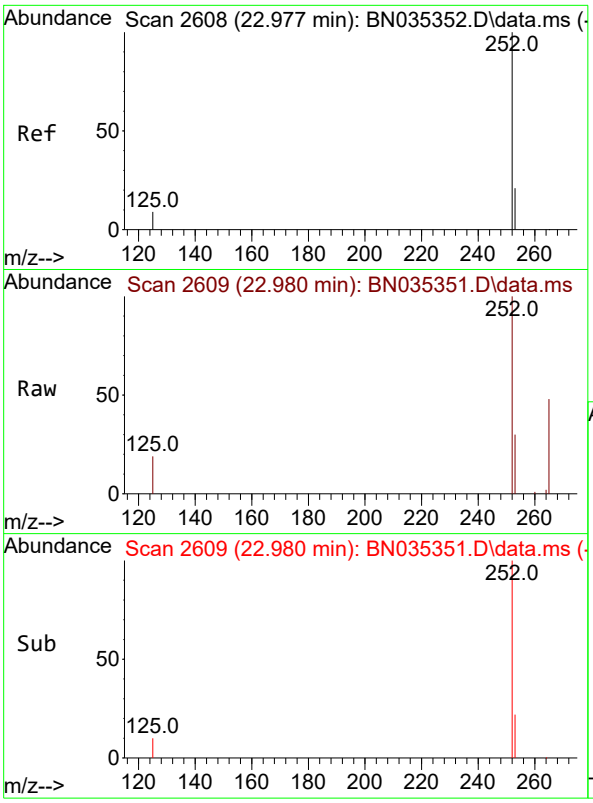


#38
Benzo(k)fluoranthene
Concen: 0.200 ng
RT: 22.456 min Scan# 2430
Delta R.T. -0.038 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion:252 Resp: 7522

Ion	Ratio	Lower	Upper
252	100		
253	27.6	19.5	29.3
125	14.8	10.2	15.4



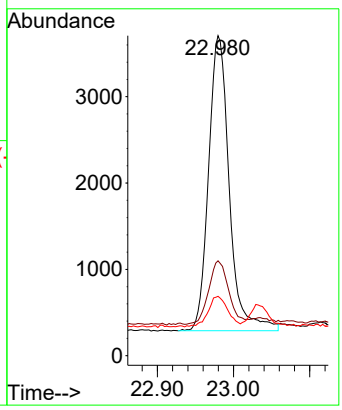


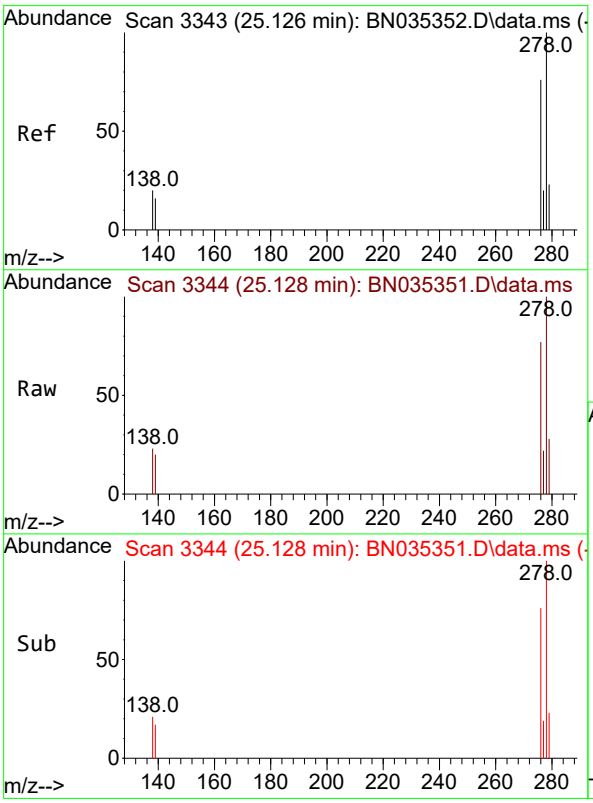
#39
Benzo(a)pyrene
Concen: 0.195 ng
RT: 22.980 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:252 Resp: 6450

Ion	Ratio	Lower	Upper
252	100		
253	29.7	20.2	30.4
125	18.5	10.9	16.3#

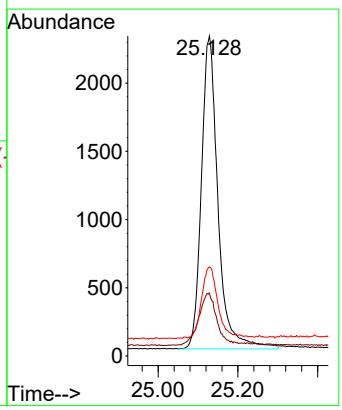


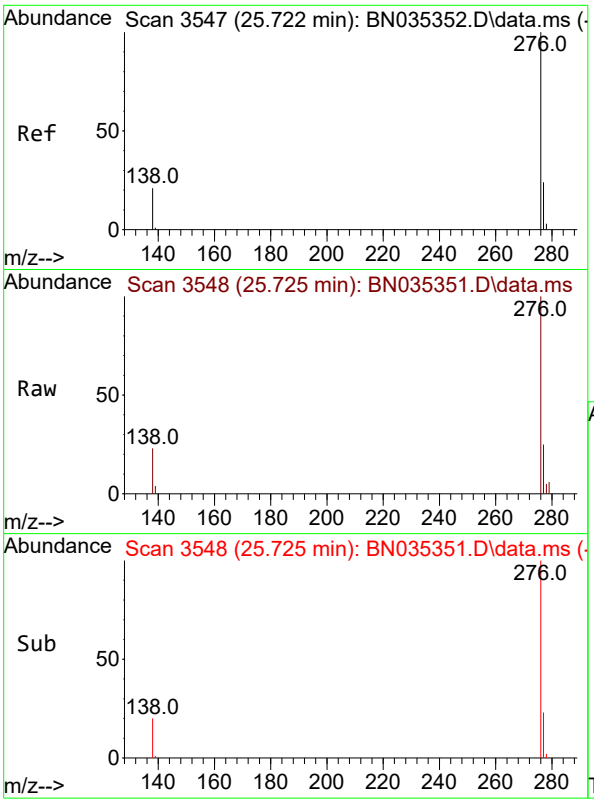


#40
Dibenzo(a,h)anthracene
Concen: 0.188 ng
RT: 25.128 min Scan# 3344
Delta R.T. 0.003 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion:278 Resp: 6620

Ion	Ratio	Lower	Upper
278	100		
139	19.7	14.2	21.4
279	27.9	20.5	30.7



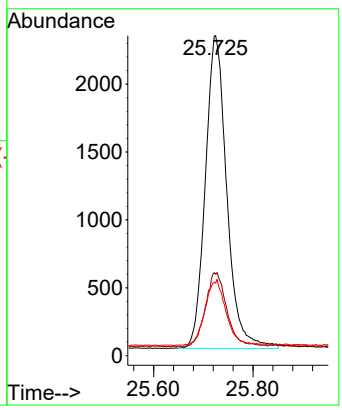


#41
Benzo(g,h,i)perylene
Concen: 0.184 ng
RT: 25.725 min Scan# 3
Delta R.T. 0.003 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:276 Resp: 6908

Ion	Ratio	Lower	Upper
276	100		
277	25.5	19.9	29.9
138	22.7	17.8	26.8



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
Data File : BN035352.D
Acq On : 27 Nov 2024 16:46
Operator : RC/JU
Sample : SSTDICCC0.4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Quant Time: Nov 27 22:52:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 27 22:48:24 2024
Response via : Initial Calibration

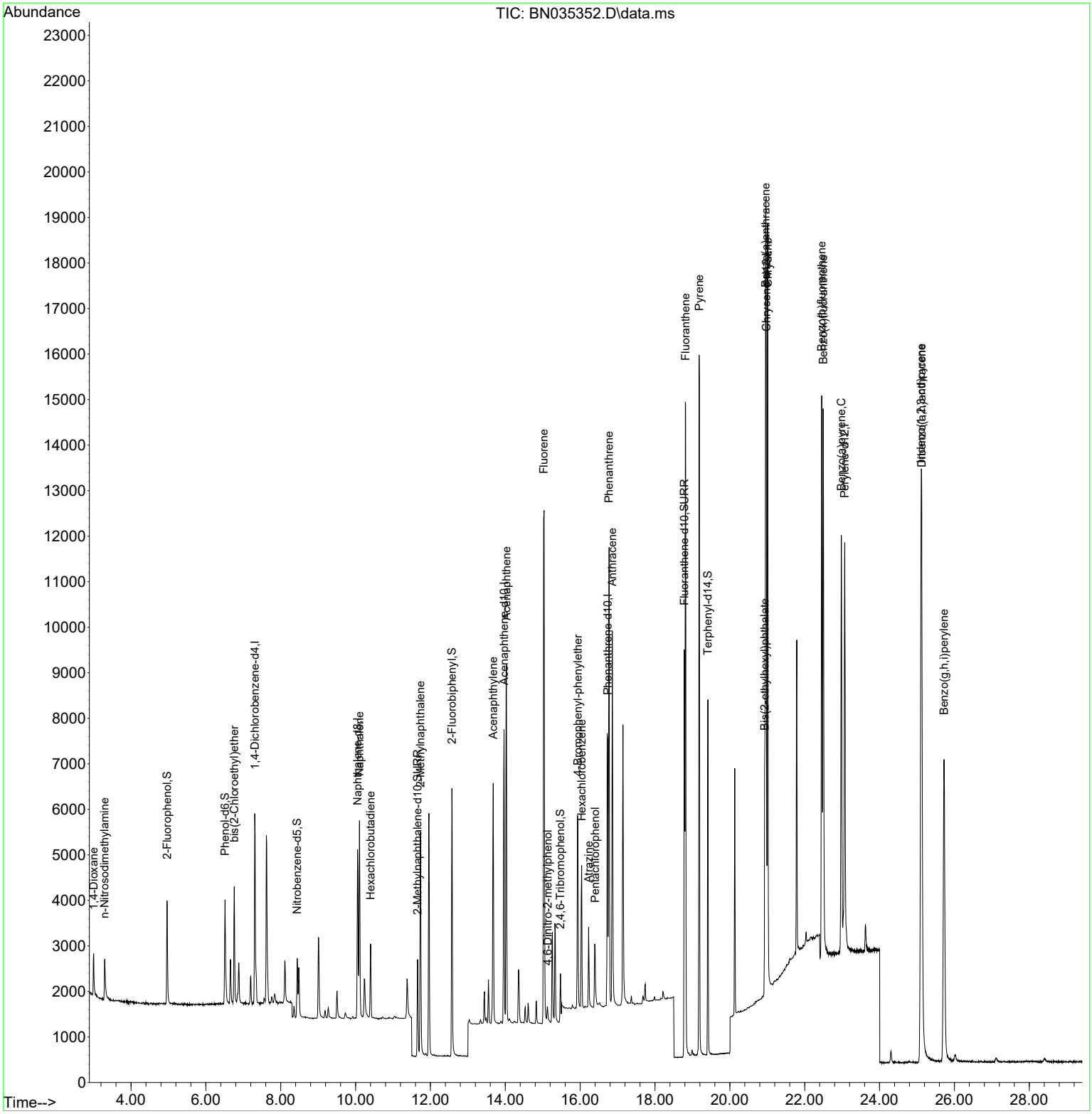
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.308	152	2048	0.400	ng		0.00
7) Naphthalene-d8	10.052	136	5229	0.400	ng		0.00
13) Acenaphthene-d10	13.967	164	3799	0.400	ng		0.00
19) Phenanthrene-d10	16.736	188	9490	0.400	ng		0.00
29) Chrysene-d12	20.974	240	9527	0.400	ng		0.00
35) Perylene-d12	23.067	264	10842	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	4.968	112	2085	0.401	ng		0.00
5) Phenol-d6	6.513	99	2444	0.375	ng		0.00
8) Nitrobenzene-d5	8.440	82	1371	0.301	ng		0.00
11) 2-Methylnaphthalene-d10	11.656	152	3237	0.347	ng		0.00
14) 2,4,6-Tribromophenol	15.475	330	975	0.356	ng		0.00
15) 2-Fluorobiphenyl	12.574	172	5735	0.372	ng		0.00
27) Fluoranthene-d10	18.785	212	10223	0.352	ng		0.00
31) Terphenyl-d14	19.412	244	7533	0.377	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.003	88	771	0.414	ng		100
3) n-Nitrosodimethylamine	3.292	42	668	0.385	ng		100
6) bis(2-Chloroethyl)ether	6.759	93	2032	0.415	ng		100
9) Naphthalene	10.105	128	5475	0.401	ng		100
10) Hexachlorobutadiene	10.404	225	1292	0.323	ng	#	100
12) 2-Methylnaphthalene	11.732	142	3867	0.384	ng		100
16) Acenaphthylene	13.679	152	6058	0.373	ng		100
17) Acenaphthene	14.031	154	4125	0.388	ng		100
18) Fluorene	15.026	166	5863	0.375	ng		100
20) 4,6-Dinitro-2-methylph...	15.133	198	337	0.171	ng		100
21) 4-Bromophenyl-phenylether	15.941	248	2146	0.355	ng		100
22) Hexachlorobenzene	16.040	284	2590	0.413	ng		100
23) Atrazine	16.227	200	1461	0.269	ng		100
24) Pentachlorophenol	16.400	266	906	0.309	ng		87
25) Phenanthrene	16.773	178	10127	0.405	ng		100
26) Anthracene	16.860	178	8921	0.389	ng		100
28) Fluoranthene	18.817	202	13438	0.391	ng		100
30) Pyrene	19.179	202	14053	0.443	ng		100
32) Benzo(a)anthracene	20.956	228	12908	0.389	ng		100
33) Chrysene	21.009	228	13729	0.418	ng		100
34) Bis(2-ethylhexyl)phtha...	20.929	149	4912	0.282	ng		100
36) Indeno(1,2,3-cd)pyrene	25.108	276	16615	0.384	ng		100
37) Benzo(b)fluoranthene	22.453	252	14235	0.390	ng		100
38) Benzo(k)fluoranthene	22.494	252	15199	0.416	ng		100
39) Benzo(a)pyrene	22.977	252	12425	0.387	ng		100
40) Dibenzo(a,h)anthracene	25.126	278	12948	0.378	ng		100
41) Benzo(g,h,i)perylene	25.722	276	13529	0.371	ng		100

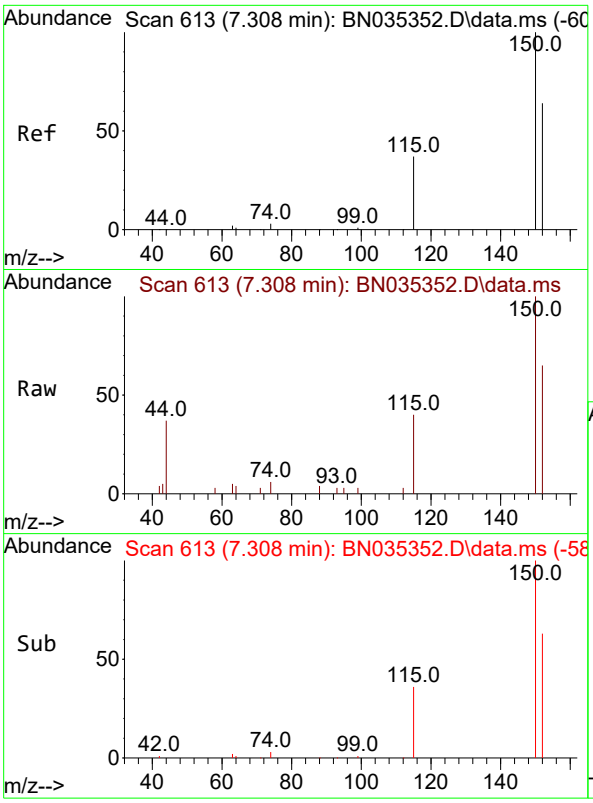
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
Data File : BN035352.D
Acq On : 27 Nov 2024 16:46
Operator : RC/JU
Sample : SSTDICCC0.4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Quant Time: Nov 27 22:52:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 27 22:48:24 2024
Response via : Initial Calibration



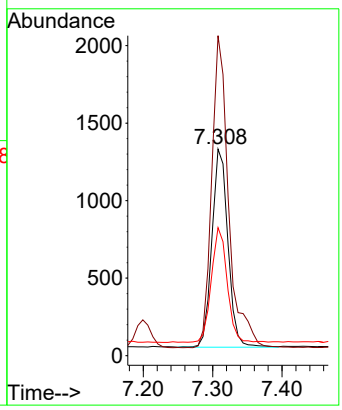


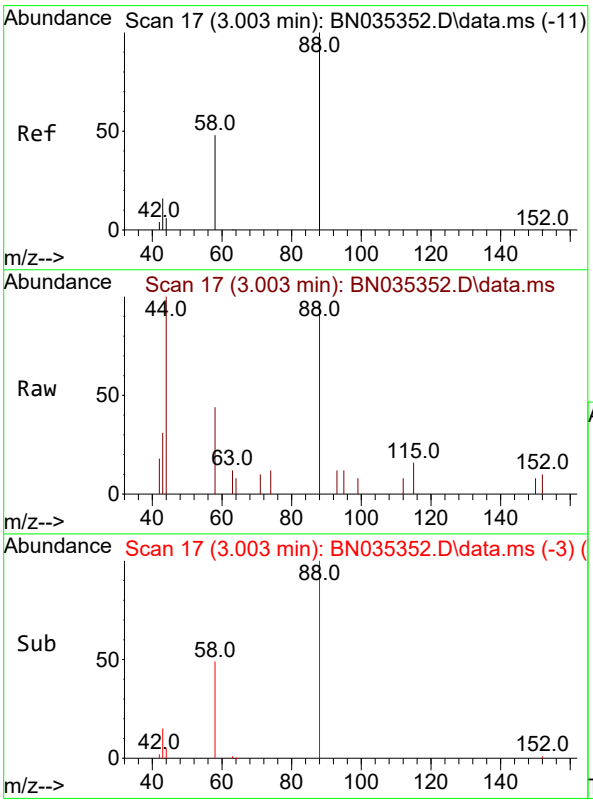
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.308 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:152 Resp: 2048

Ion	Ratio	Lower	Upper
152	100		
150	155.0	124.0	186.0
115	62.0	49.6	74.4

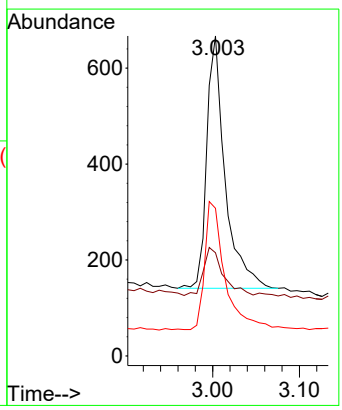


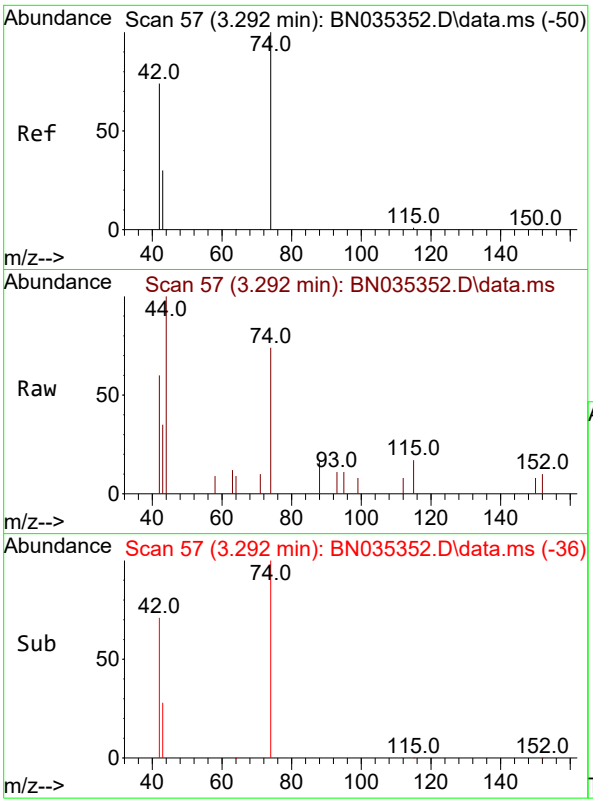


#2
1,4-Dioxane
Concen: 0.414 ng
RT: 3.003 min Scan# 17
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Tgt Ion: 88 Resp: 771

Ion	Ratio	Lower	Upper
88	100		
43	21.5	17.2	25.8
58	55.6	44.5	66.7



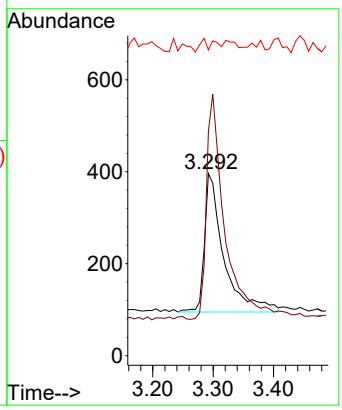


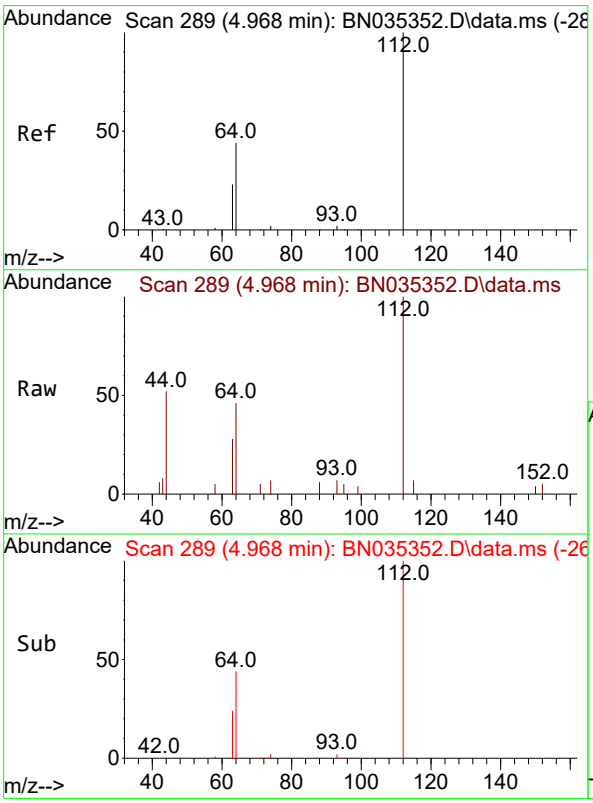
#3
n-Nitrosodimethylamine
Concen: 0.385 ng
RT: 3.292 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion: 42 Resp: 668

Ion	Ratio	Lower	Upper
42	100		
74	156.1	124.9	187.3
44	2.8	2.2	3.4

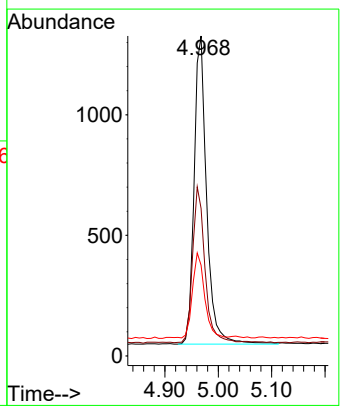


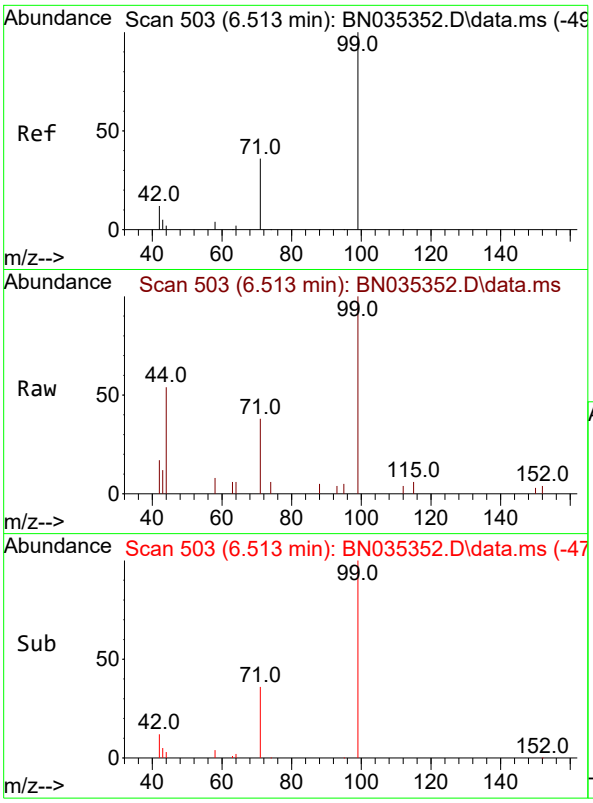


#4
2-Fluorophenol
Concen: 0.401 ng
RT: 4.968 min Scan# 289
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Tgt Ion:112 Resp: 2085

Ion	Ratio	Lower	Upper
112	100		
64	49.8	39.8	59.8
63	26.3	21.0	31.6



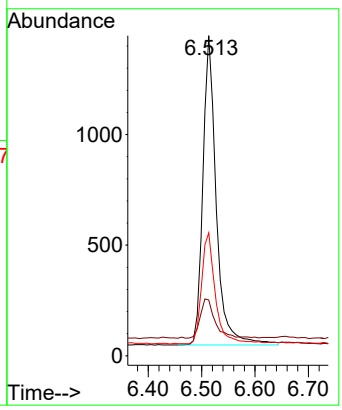


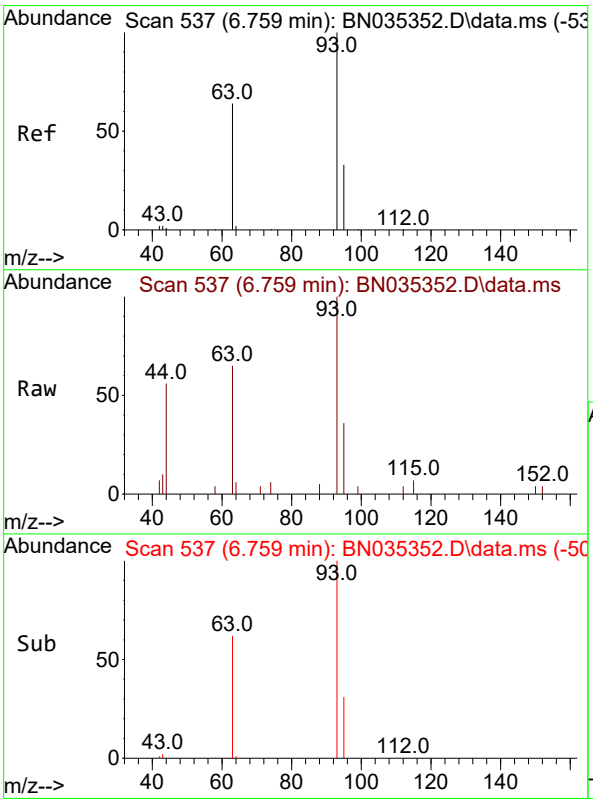
#5
Phenol-d6
Concen: 0.375 ng
RT: 6.513 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion: 99 Resp: 2444

Ion	Ratio	Lower	Upper
99	100		
42	14.3	11.4	17.2
71	36.6	29.3	43.9

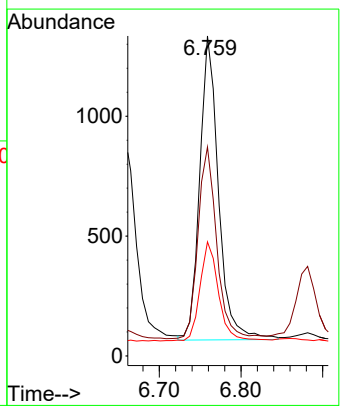


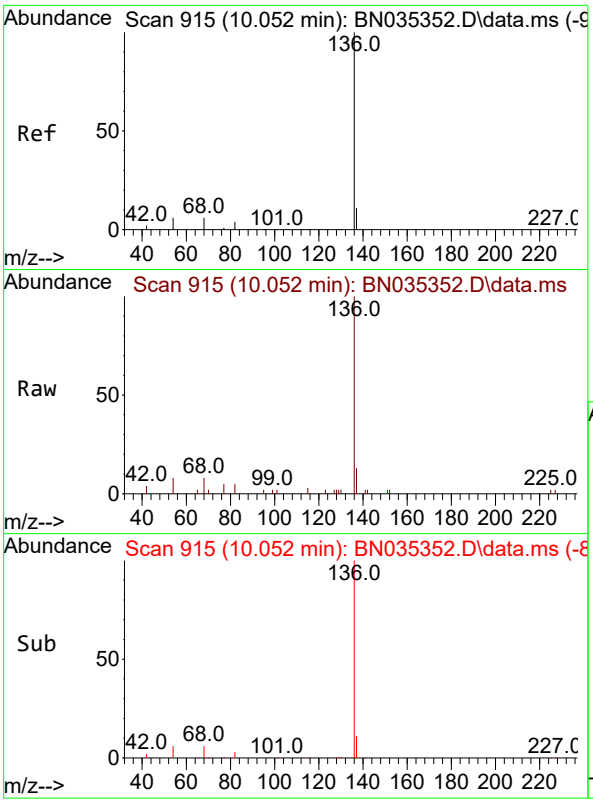


#6
bis(2-Chloroethyl)ether
Concen: 0.415 ng
RT: 6.759 min Scan# 537
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Tgt Ion: 93 Resp: 2032

Ion	Ratio	Lower	Upper
93	100		
63	63.0	50.4	75.6
95	32.1	25.7	38.5



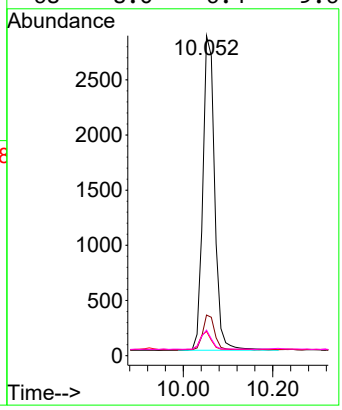


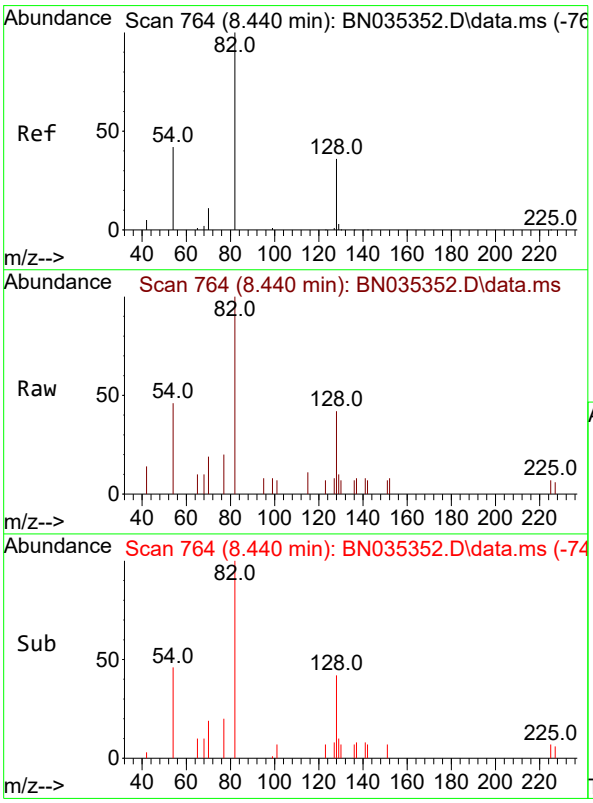
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.052 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:136 Resp: 5229

Ion	Ratio	Lower	Upper
136	100		
137	12.7	10.2	15.2
54	7.6	6.1	9.1
68	8.0	6.4	9.6

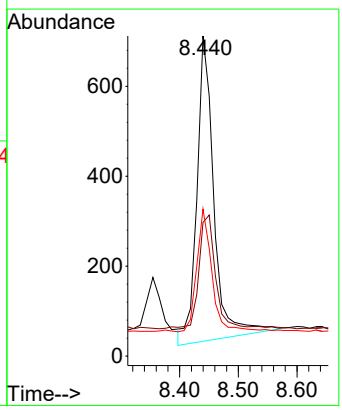


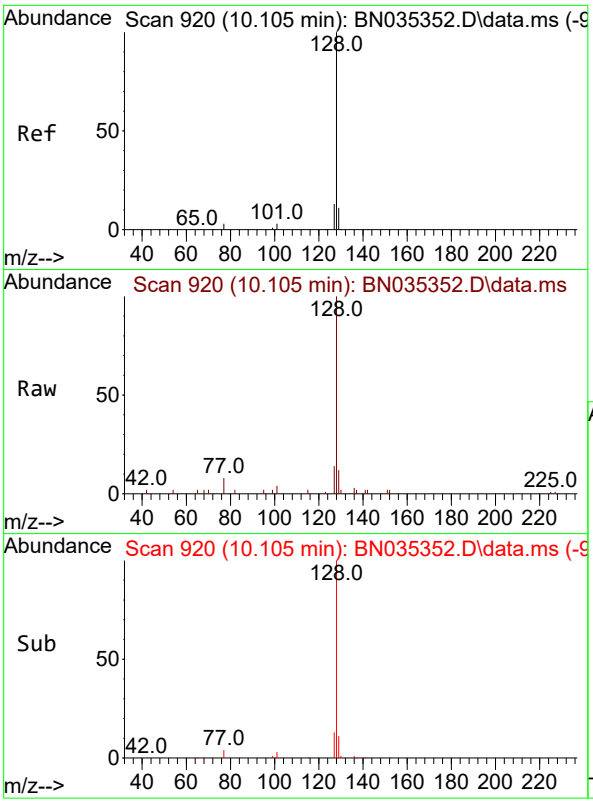


#8
Nitrobenzene-d5
Concen: 0.301 ng
RT: 8.440 min Scan# 764
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Tgt Ion: 82 Resp: 1371

Ion	Ratio	Lower	Upper
82	100		
128	41.7	33.4	50.0
54	45.9	36.7	55.1



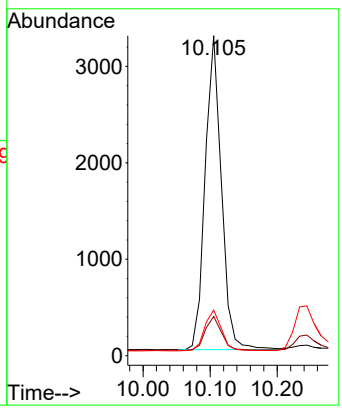


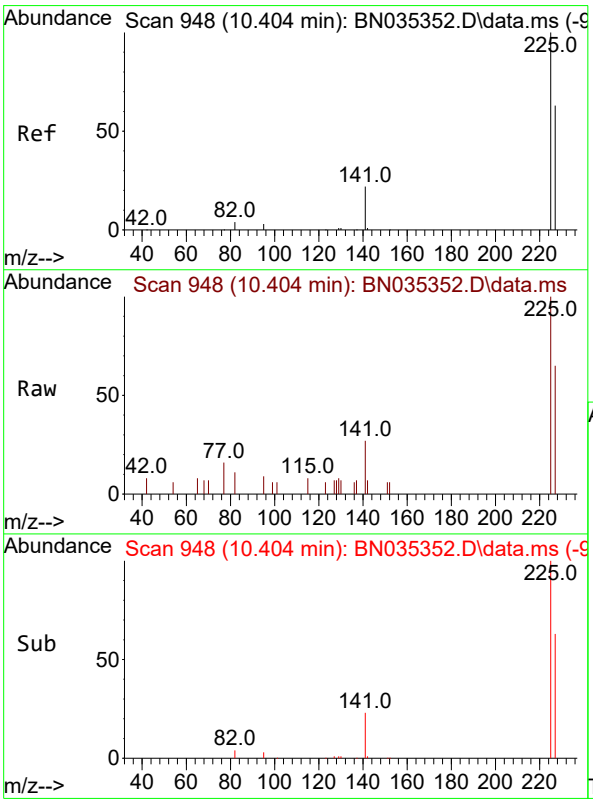
#9
Naphthalene
Concen: 0.401 ng
RT: 10.105 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:128 Resp: 5475

Ion	Ratio	Lower	Upper
128	100		
129	12.2	9.8	14.6
127	14.3	11.4	17.2

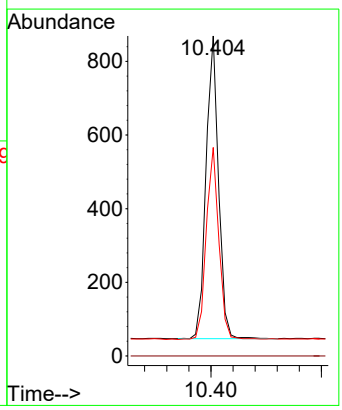


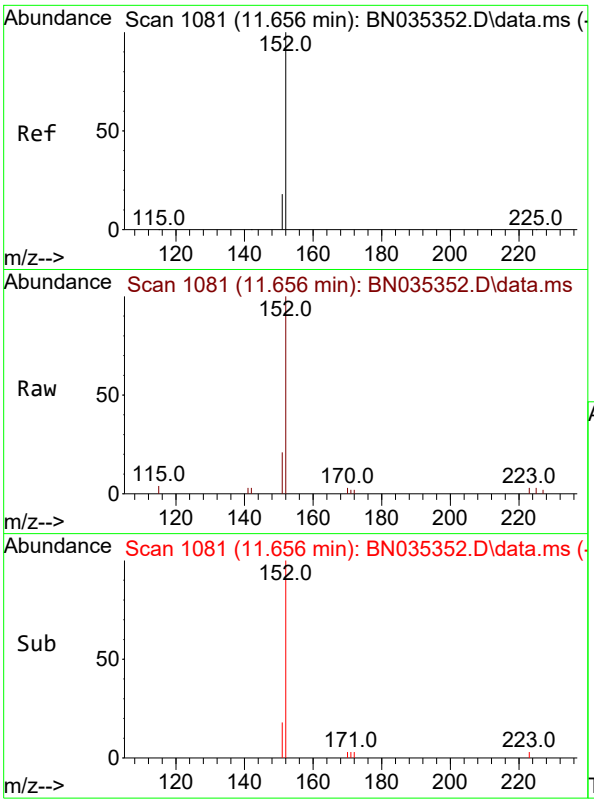


#10
Hexachlorobutadiene
Concen: 0.323 ng
RT: 10.404 min Scan# 948
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Tgt Ion:225 Resp: 1292

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.1	51.3	76.9



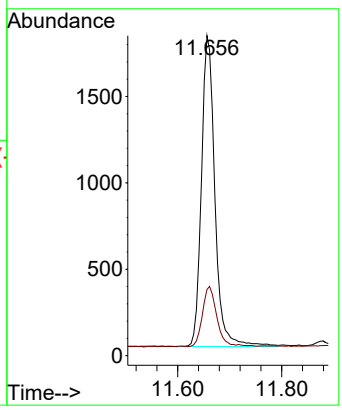


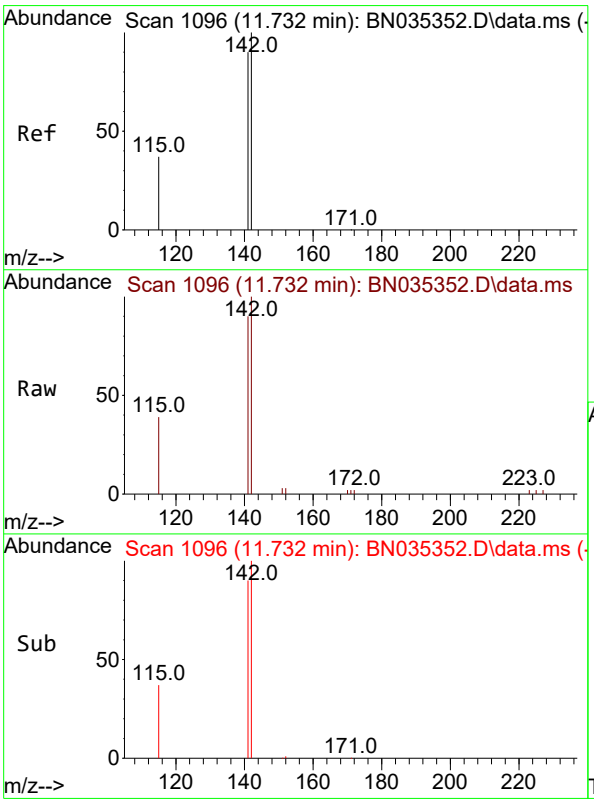
#11
2-Methylnaphthalene-d10
Concen: 0.347 ng
RT: 11.656 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:152 Resp: 3237

Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.6	25.0

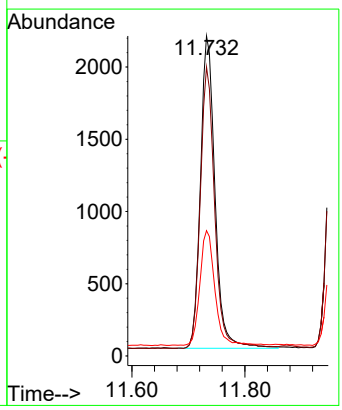


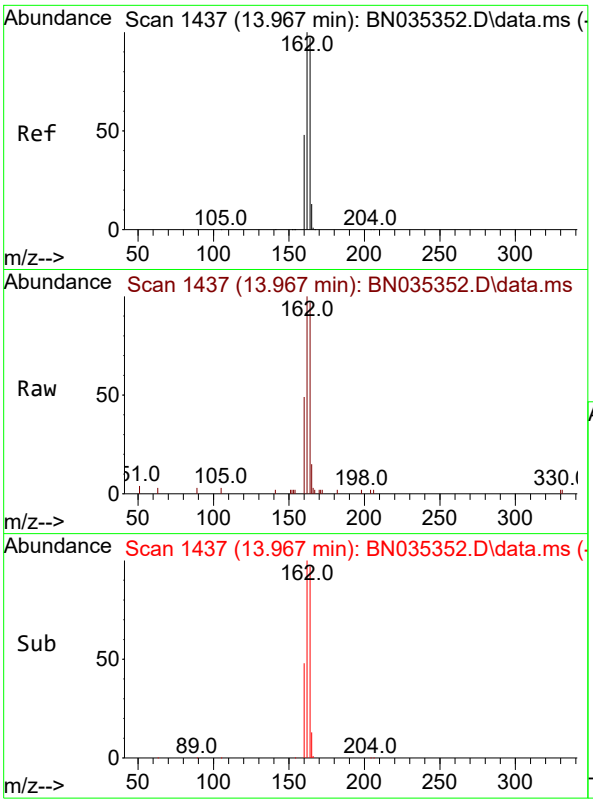


#12
2-Methylnaphthalene
Concen: 0.384 ng
RT: 11.732 min Scan# 1096
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Tgt Ion:142 Resp: 3867

Ion	Ratio	Lower	Upper
142	100		
141	90.3	72.2	108.4
115	39.2	31.4	47.0



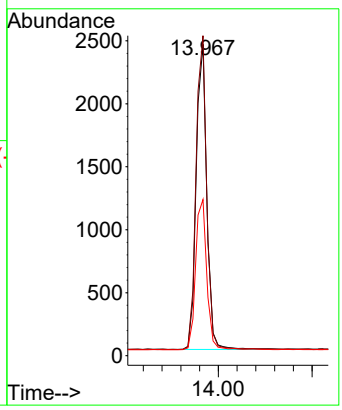


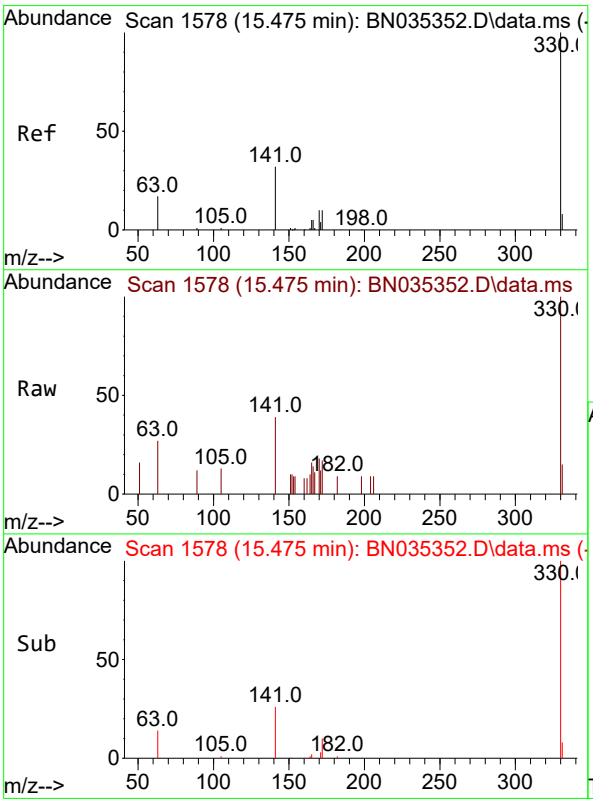
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.967 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:164 Resp: 3799

Ion	Ratio	Lower	Upper
164	100		
162	102.7	82.2	123.2
160	50.1	40.1	60.1

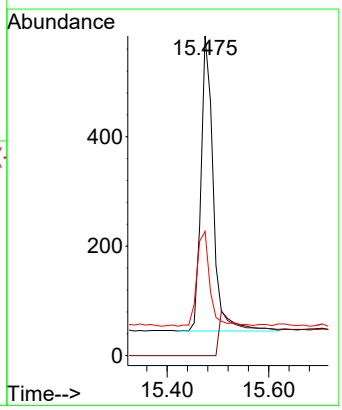


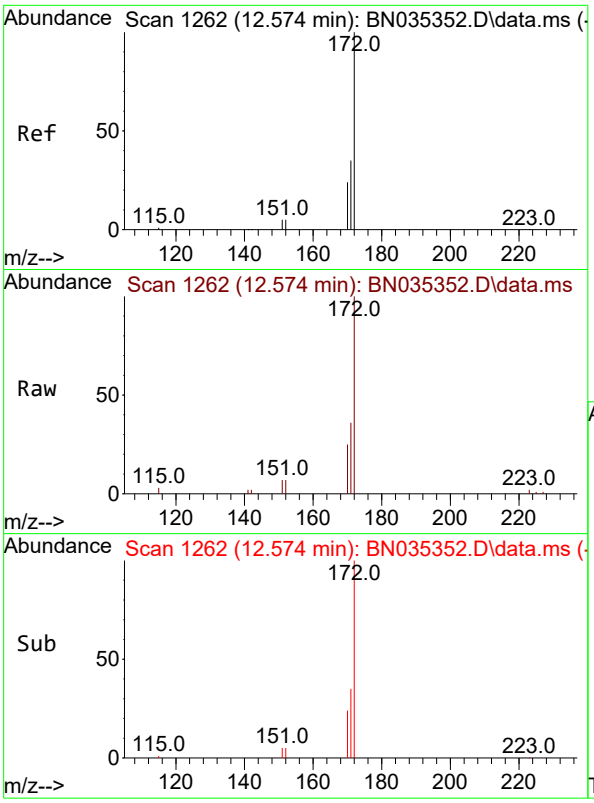


#14
2,4,6-Tribromophenol
Concen: 0.356 ng
RT: 15.475 min Scan# 1578
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Tgt Ion:330 Resp: 975

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	33.3	26.6	40.0



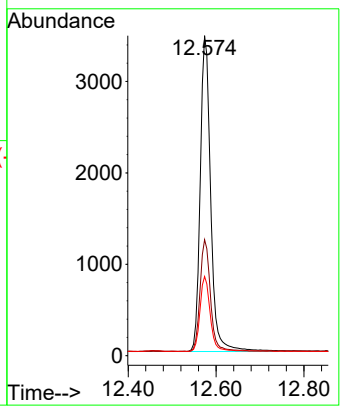


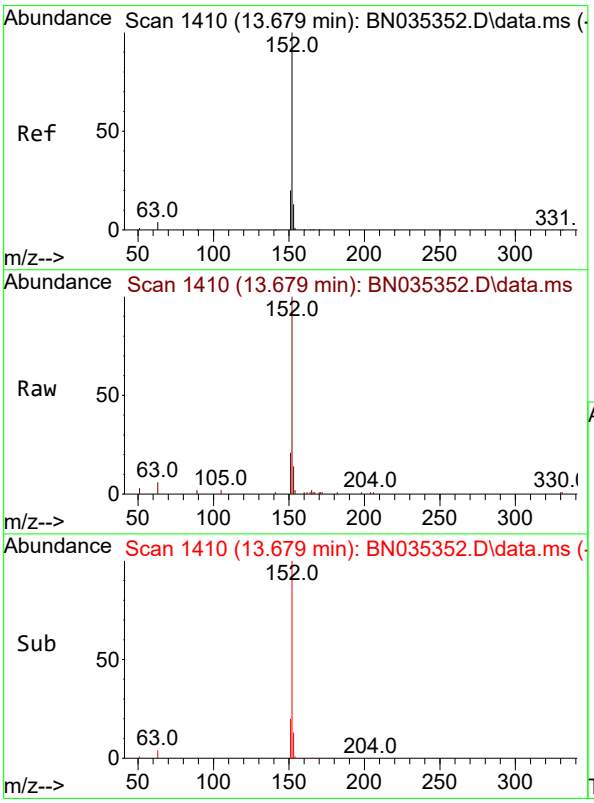
#15
2-Fluorobiphenyl
Concen: 0.372 ng
RT: 12.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:172 Resp: 5735

Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.0	43.4
170	24.8	19.8	29.8

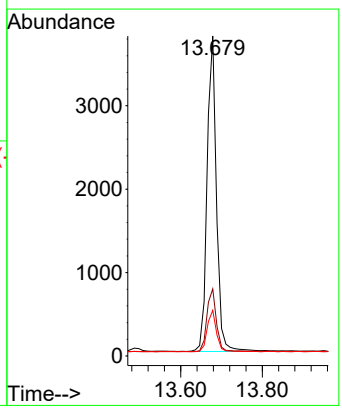


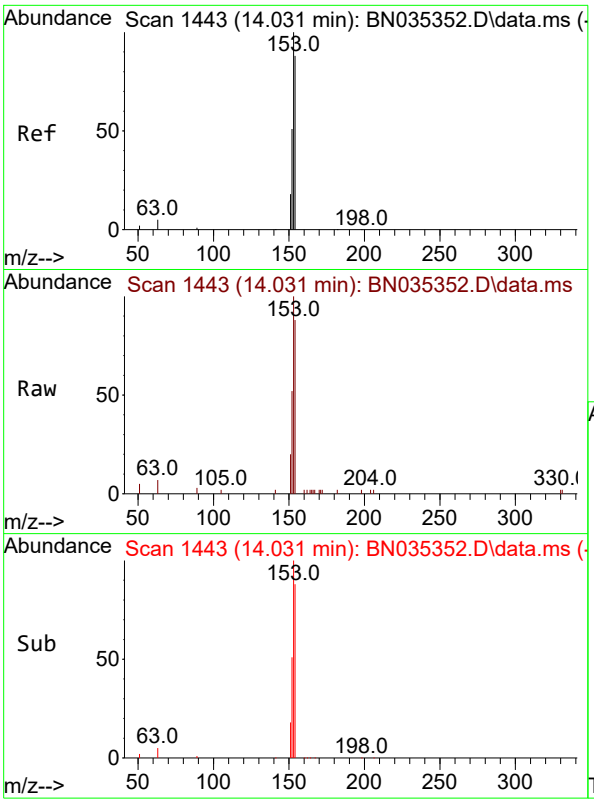


#16
Acenaphthylene
Concen: 0.373 ng
RT: 13.679 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Tgt Ion:152 Resp: 6058

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.2	24.2
153	13.0	10.4	15.6



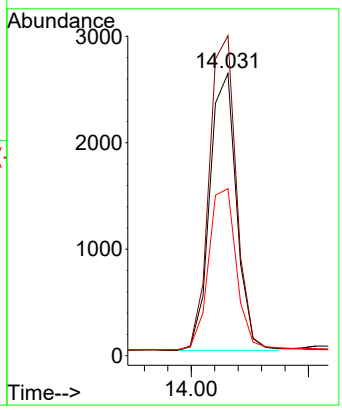


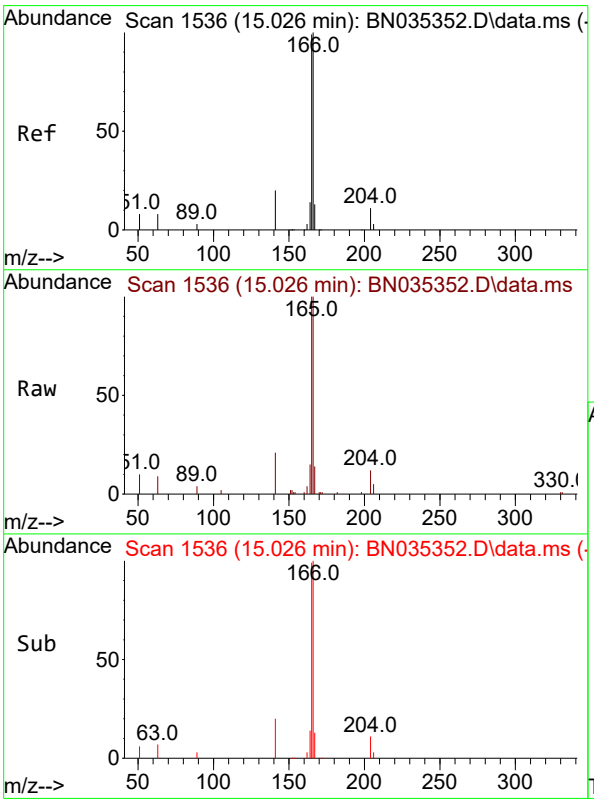
#17
Acenaphthene
Concen: 0.388 ng
RT: 14.031 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:154 Resp: 4125

Ion	Ratio	Lower	Upper
154	100		
153	115.8	92.6	139.0
152	61.3	49.0	73.6

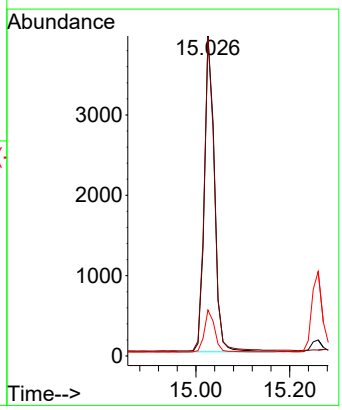


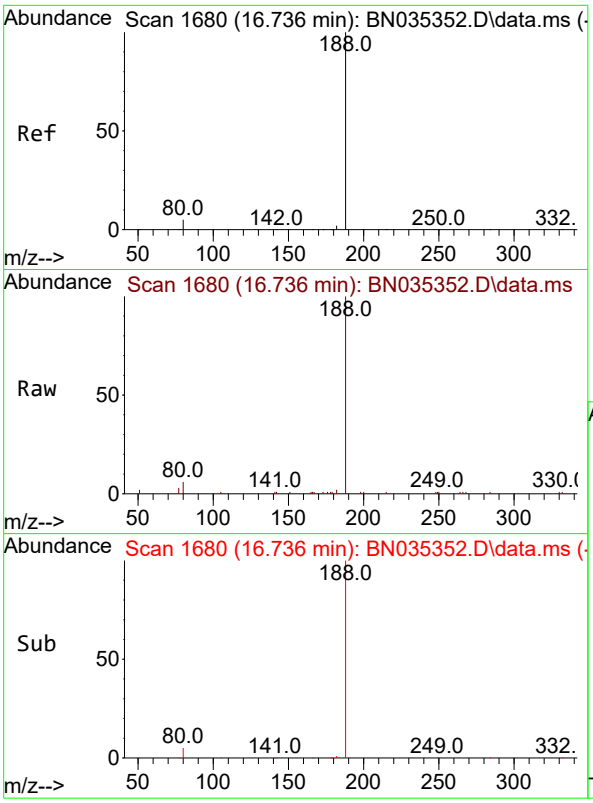


#18
Fluorene
Concen: 0.375 ng
RT: 15.026 min Scan# 1536
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Tgt Ion:166 Resp: 5863

Ion	Ratio	Lower	Upper
166	100		
165	99.6	79.7	119.5
167	13.5	10.8	16.2



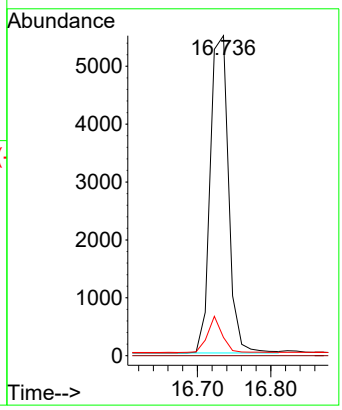


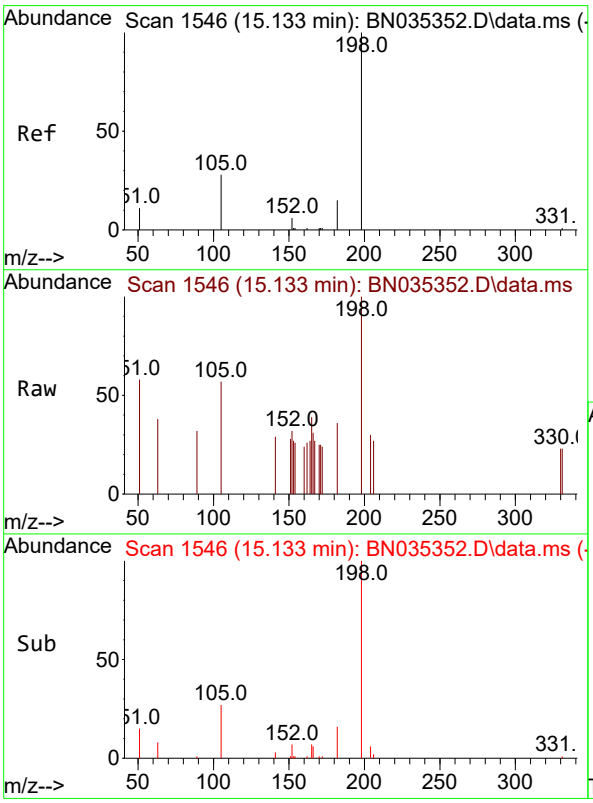
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.736 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:188 Resp: 9490

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	5.7	4.6	6.8

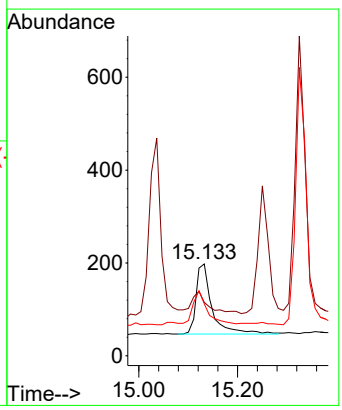


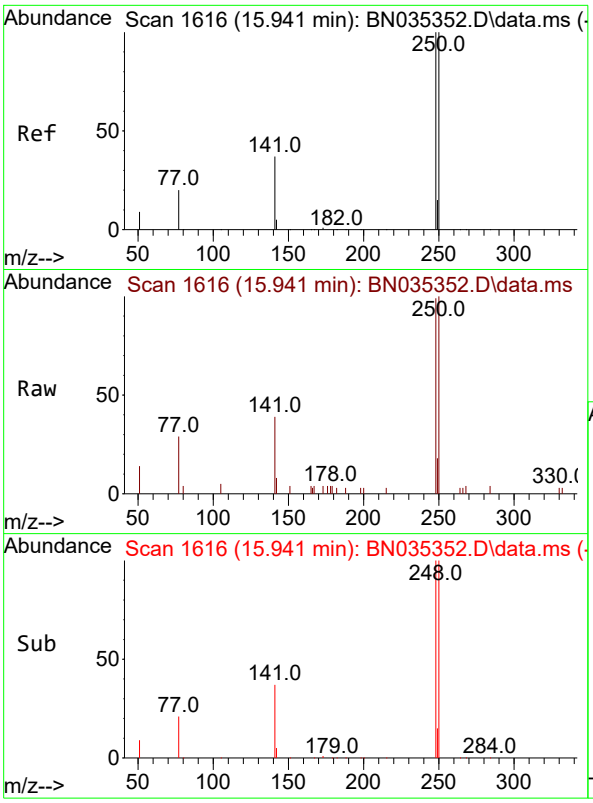


#20
4,6-Dinitro-2-methylphenol
Concen: 0.171 ng
RT: 15.133 min Scan# 1546
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Tgt Ion:198 Resp: 337

Ion	Ratio	Lower	Upper
198	100		
51	58.1	46.5	69.7
105	56.6	45.3	67.9



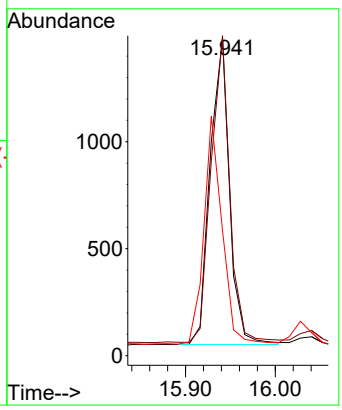


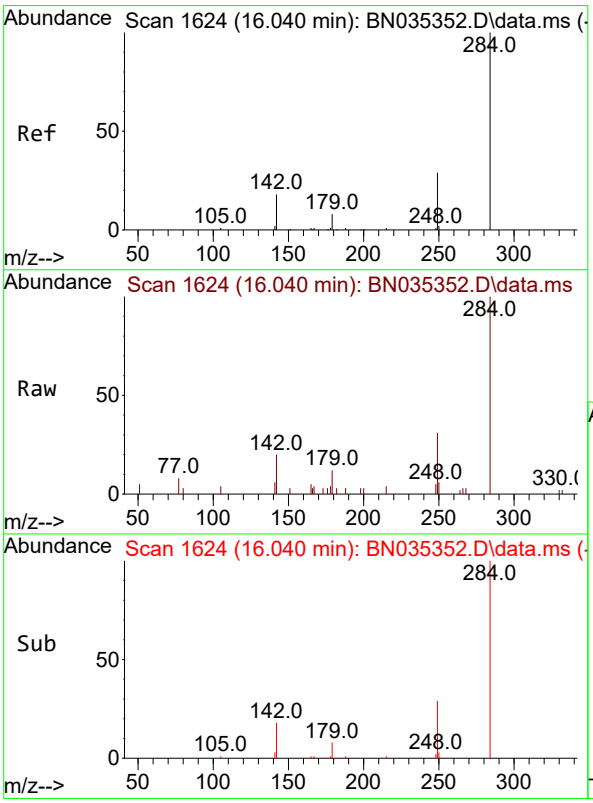
#21
4-Bromophenyl-phenylether
Concen: 0.355 ng
RT: 15.941 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:248 Resp: 2146

Ion	Ratio	Lower	Upper
248	100		
250	100.7	80.6	120.8
141	39.4	31.5	47.3

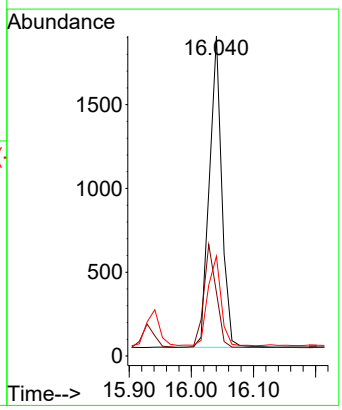


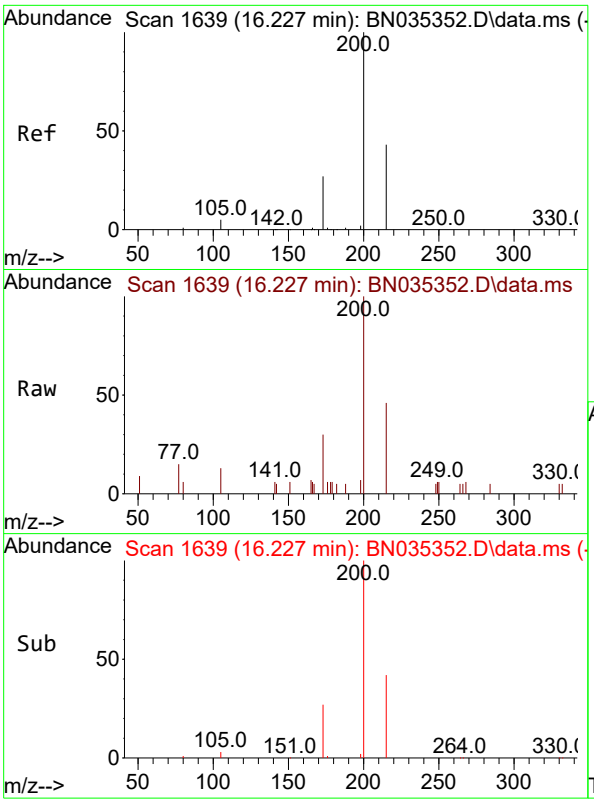


#22
Hexachlorobenzene
Concen: 0.413 ng
RT: 16.040 min Scan# 1624
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Tgt Ion:284 Resp: 2590

Ion	Ratio	Lower	Upper
284	100		
142	33.4	26.7	40.1
249	30.7	24.6	36.8



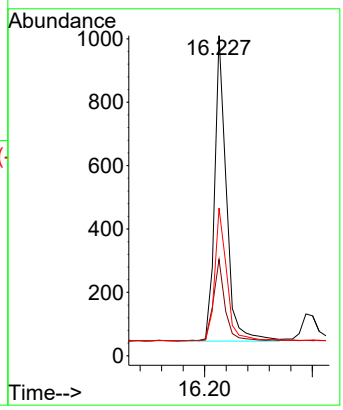


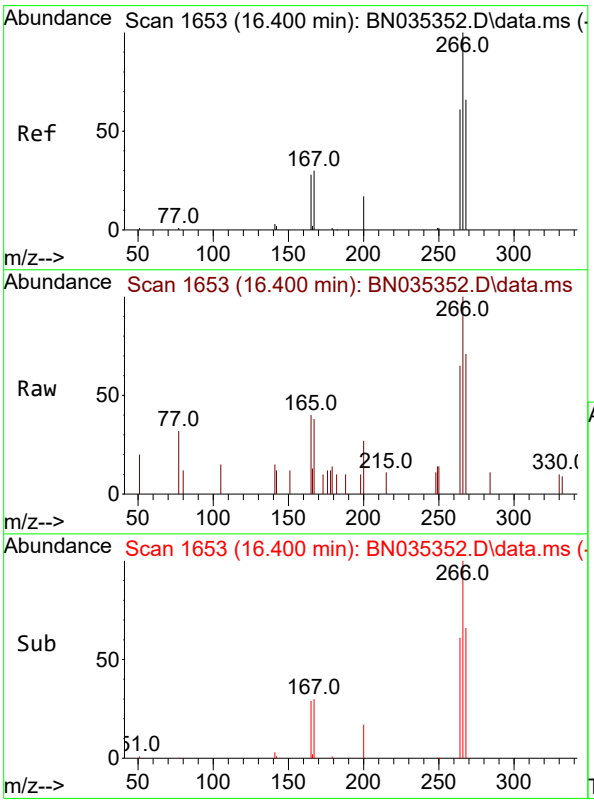
#23
Atrazine
Concen: 0.269 ng
RT: 16.227 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:200 Resp: 1461

Ion	Ratio	Lower	Upper
200	100		
173	30.1	24.1	36.1
215	46.1	36.9	55.3

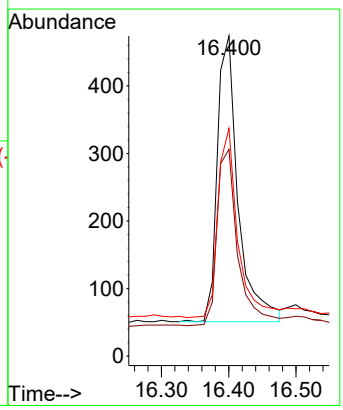


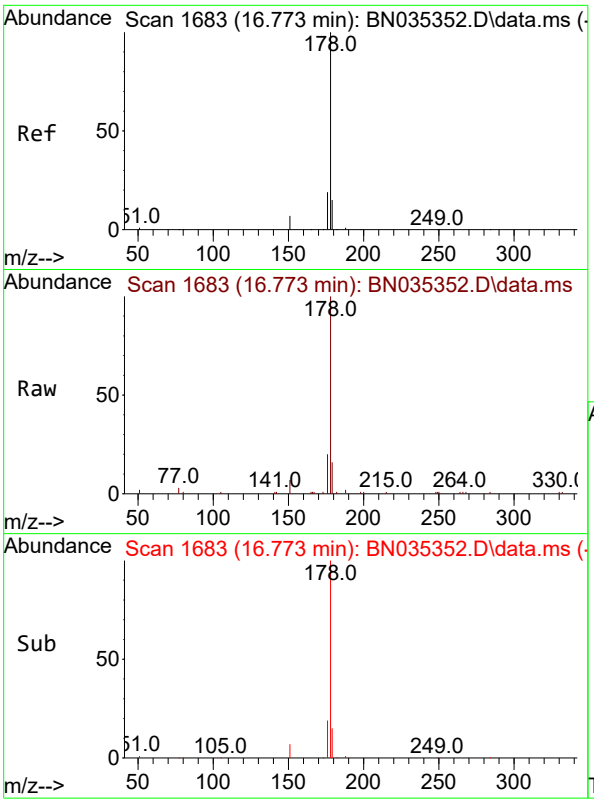


#24
Pentachlorophenol
Concen: 0.309 ng
RT: 16.400 min Scan# 1653
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Tgt Ion:266 Resp: 906

Ion	Ratio	Lower	Upper
266	100		
264	62.4	42.3	63.5
268	63.8	43.3	64.9



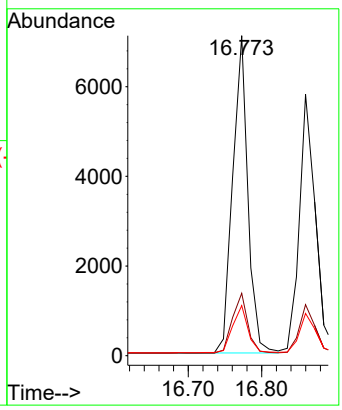


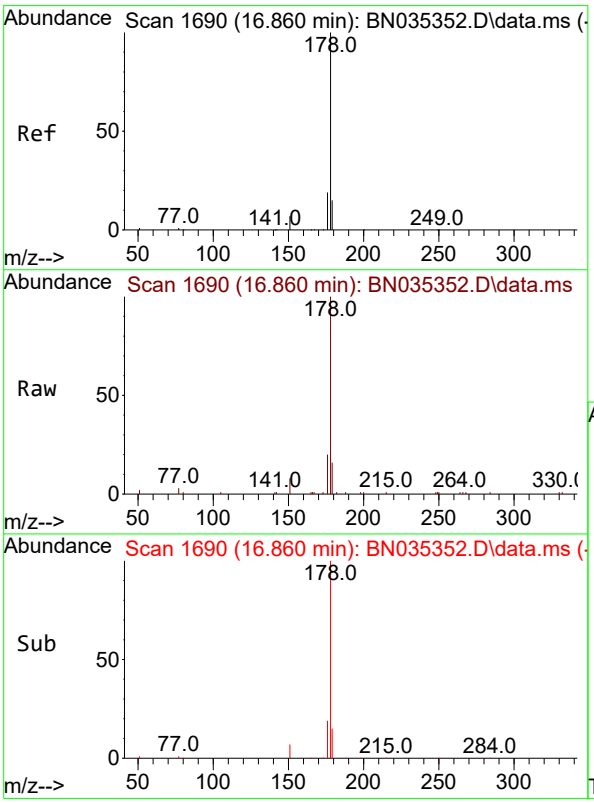
#25
Phenanthrene
Concen: 0.405 ng
RT: 16.773 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:178 Resp: 10127

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.4	12.3	18.5

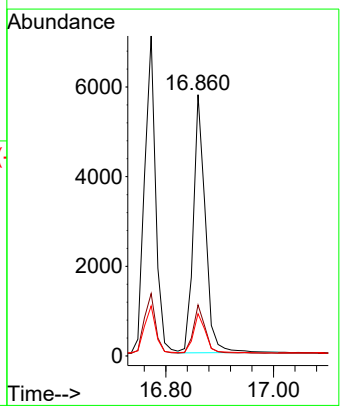


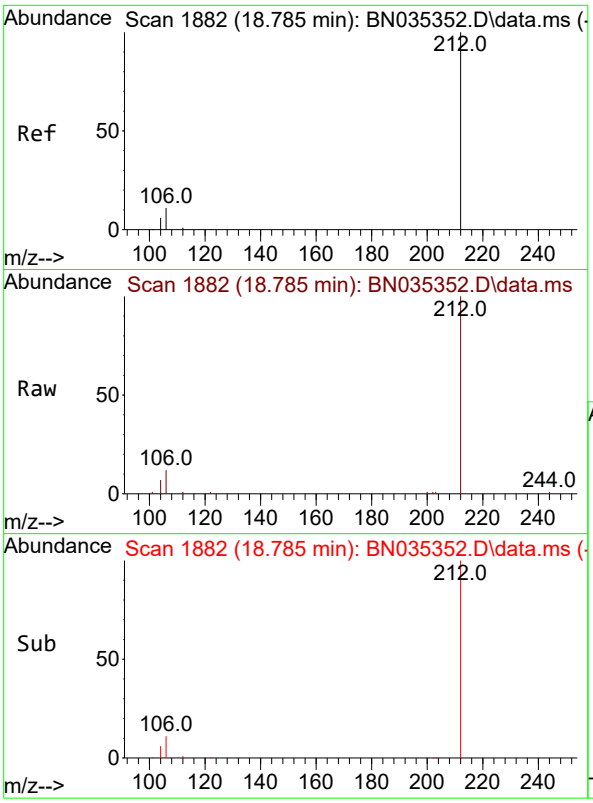


#26
Anthracene
Concen: 0.389 ng
RT: 16.860 min Scan# 1690
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Tgt Ion:178 Resp: 8921

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.6
179	15.7	12.6	18.8



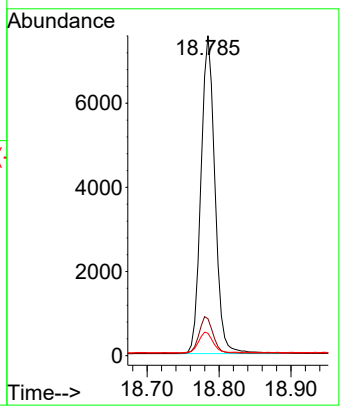


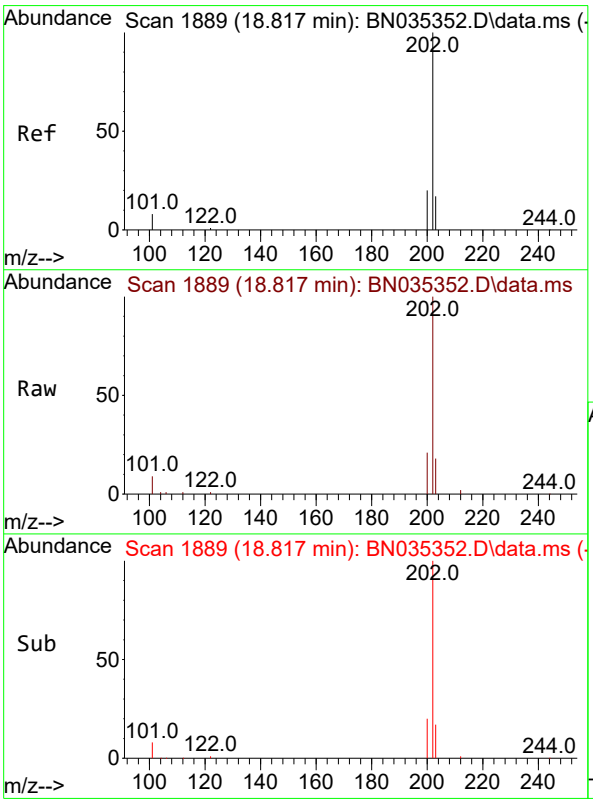
#27
Fluoranthene-d10
Concen: 0.352 ng
RT: 18.785 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:212 Resp: 10223

Ion	Ratio	Lower	Upper
212	100		
106	11.5	9.2	13.8
104	6.6	5.3	7.9

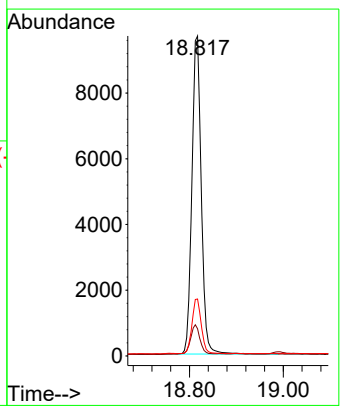


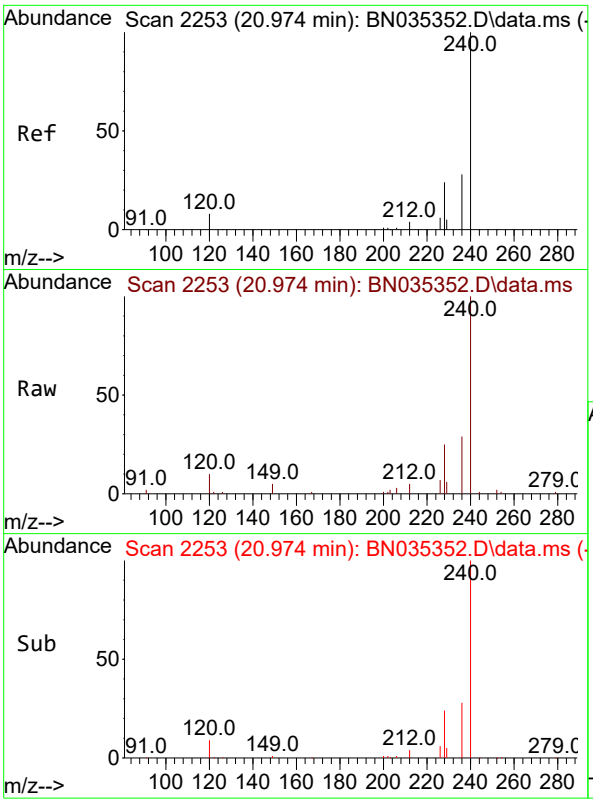


#28
Fluoranthene
Concen: 0.391 ng
RT: 18.817 min Scan# 1889
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Tgt Ion:202 Resp: 13438

Ion	Ratio	Lower	Upper
202	100		
101	9.2	7.4	11.0
203	17.1	13.7	20.5



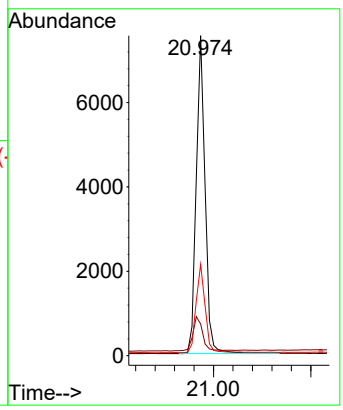


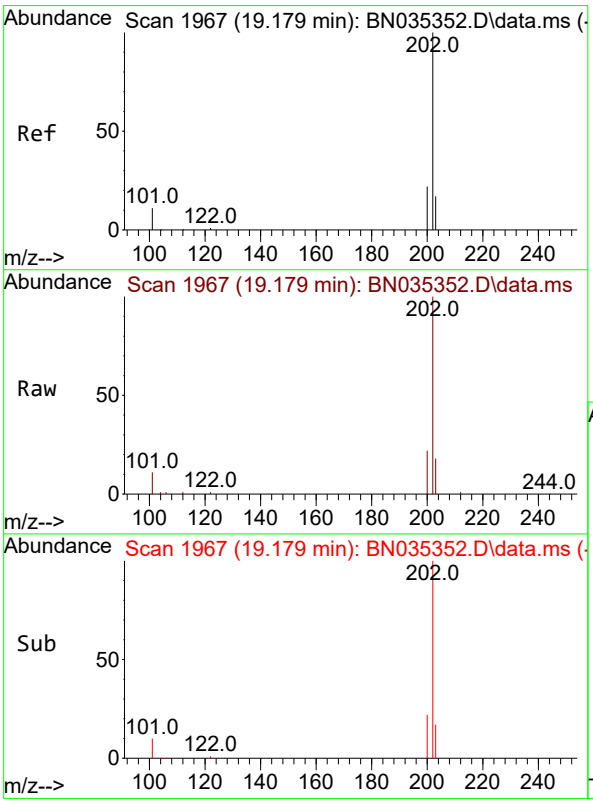
#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.974 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:240 Resp: 9527

Ion	Ratio	Lower	Upper
240	100		
120	9.9	7.9	11.9
236	28.6	22.9	34.3

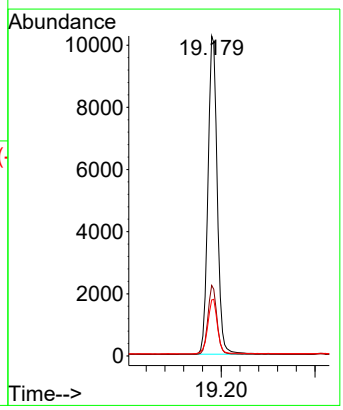


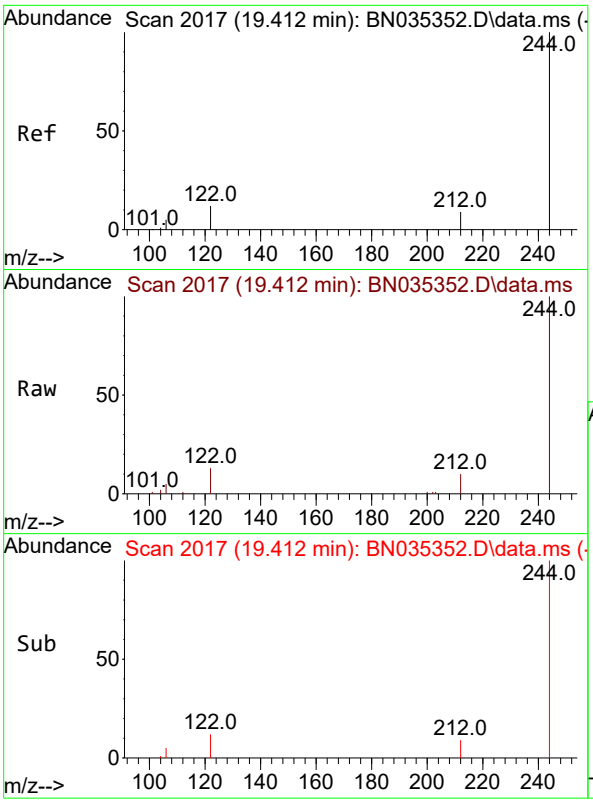


#30
Pyrene
Concen: 0.443 ng
RT: 19.179 min Scan# 1967
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Tgt Ion:202 Resp: 14053

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.4
203	17.9	14.3	21.5



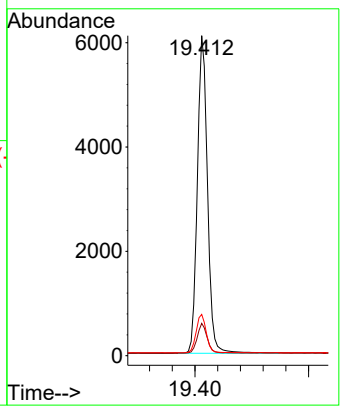


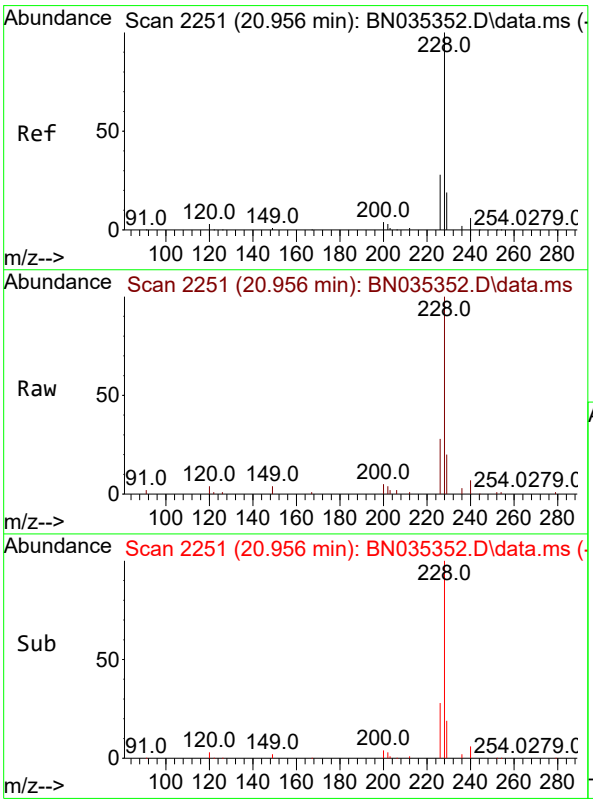
#31
Terphenyl-d14
Concen: 0.377 ng
RT: 19.412 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:244 Resp: 7533

Ion	Ratio	Lower	Upper
244	100		
212	10.1	8.1	12.1
122	12.9	10.3	15.5

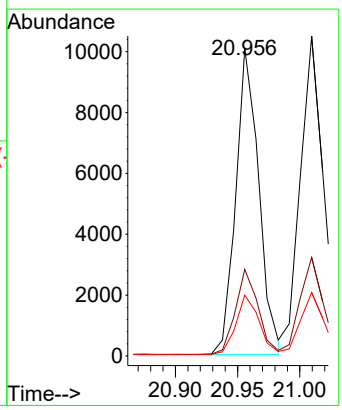


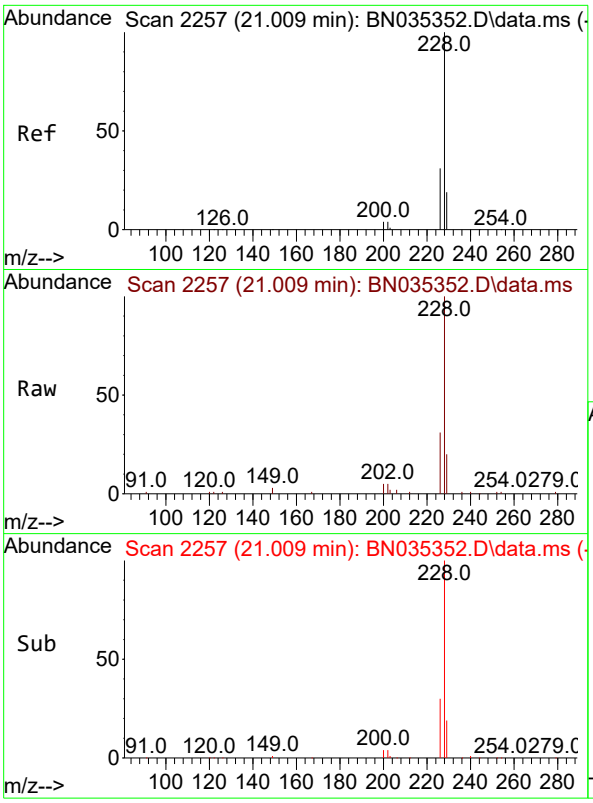


#32
Benzo(a)anthracene
Concen: 0.389 ng
RT: 20.956 min Scan# 2251
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Tgt Ion:228 Resp: 12908

Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.5	33.7
229	19.8	15.8	23.8



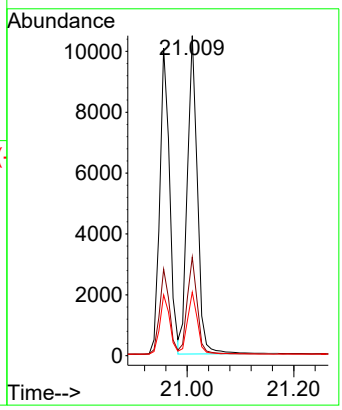


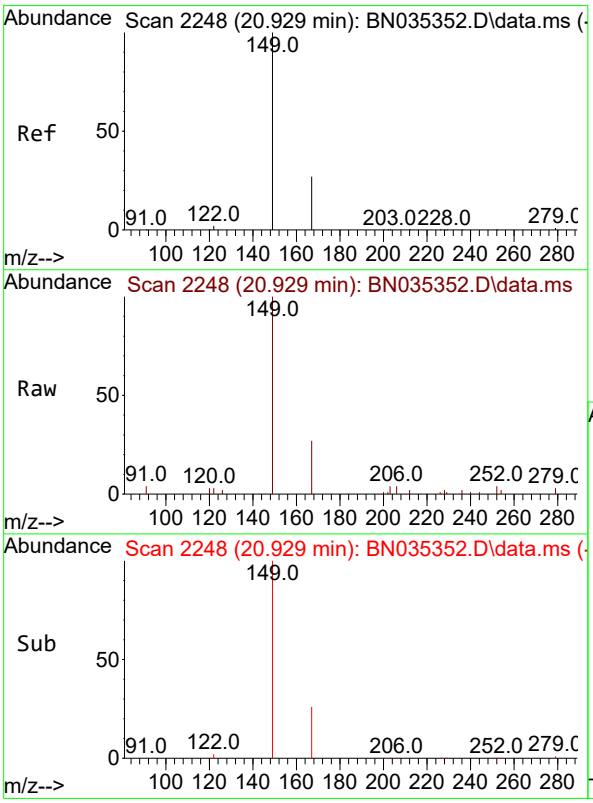
#33
Chrysene
Concen: 0.418 ng
RT: 21.009 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:228 Resp: 13729

Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.6	37.0
229	19.9	15.9	23.9

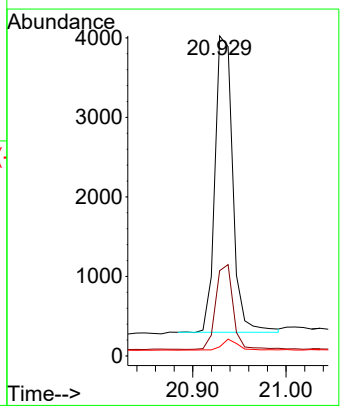


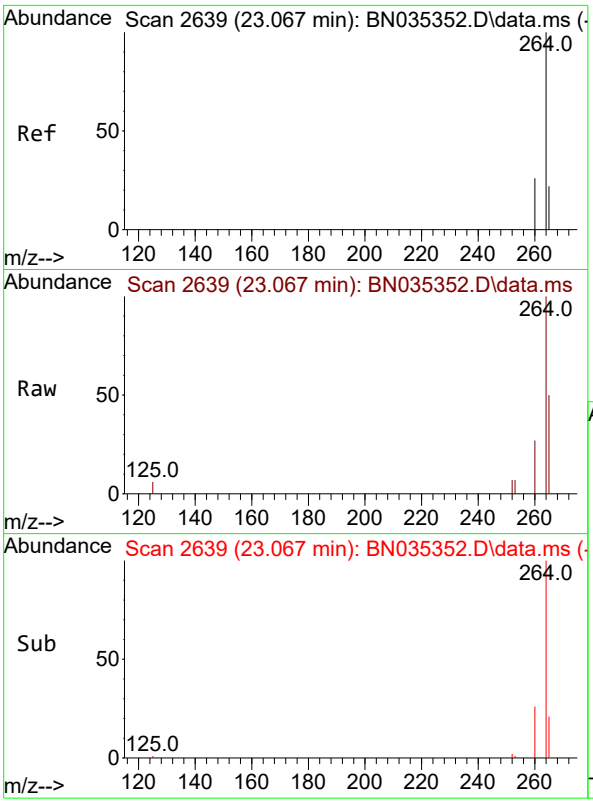


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.282 ng
RT: 20.929 min Scan# 2248
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Tgt Ion:149 Resp: 4912

Ion	Ratio	Lower	Upper
149	100		
167	27.8	22.2	33.4
279	3.4	2.7	4.1



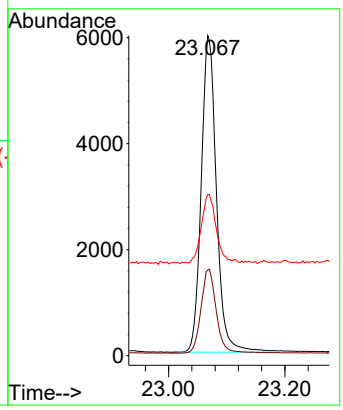


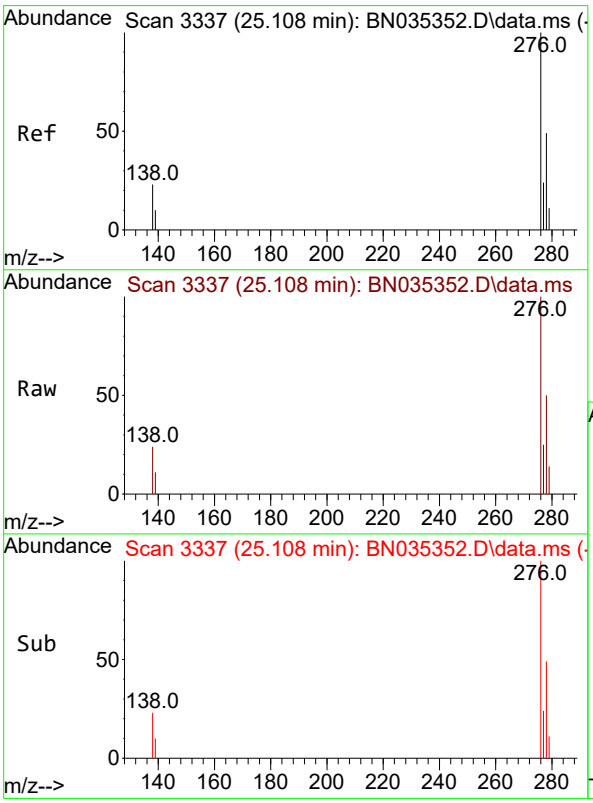
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.067 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:264 Resp: 10842

Ion	Ratio	Lower	Upper
264	100		
260	26.8	21.4	32.2
265	50.3	40.2	60.4

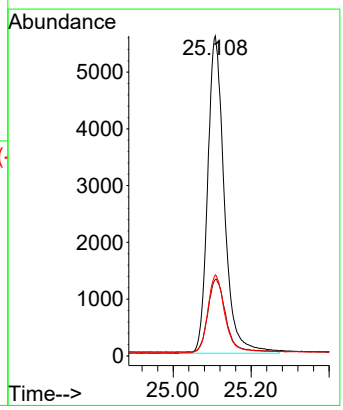


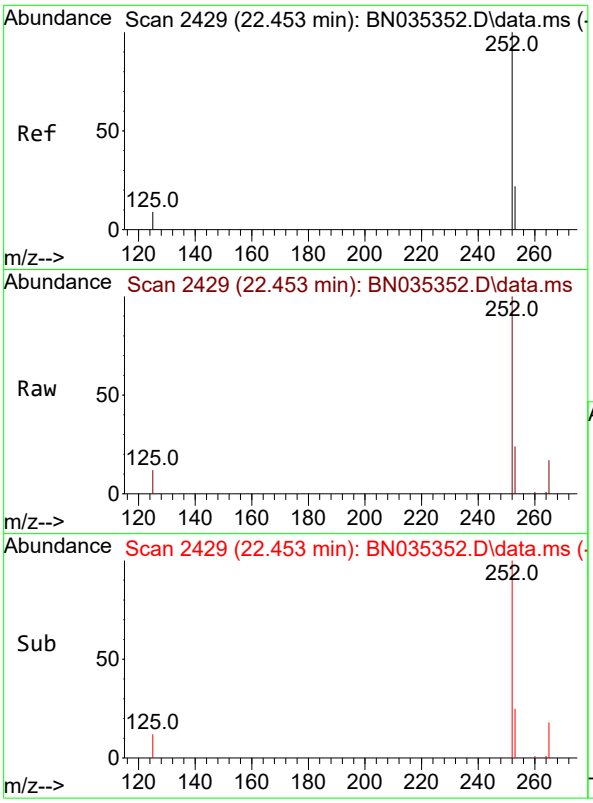


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.384 ng
RT: 25.108 min Scan# 3337
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Tgt Ion:276 Resp: 16615

Ion	Ratio	Lower	Upper
276	100		
138	24.2	19.4	29.0
277	24.7	19.8	29.6



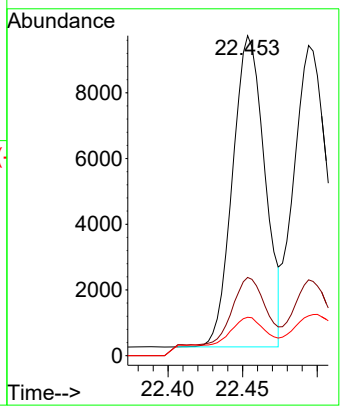


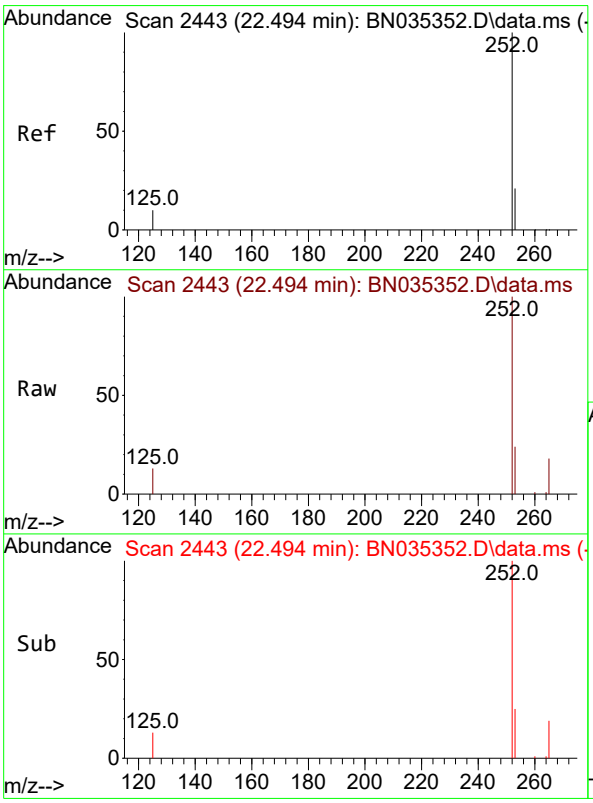
#37
Benzo(b)fluoranthene
Concen: 0.390 ng
RT: 22.453 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:252 Resp: 14235

Ion	Ratio	Lower	Upper
252	100		
253	24.5	19.6	29.4
125	12.0	9.6	14.4

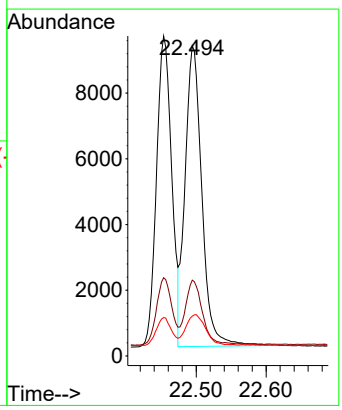


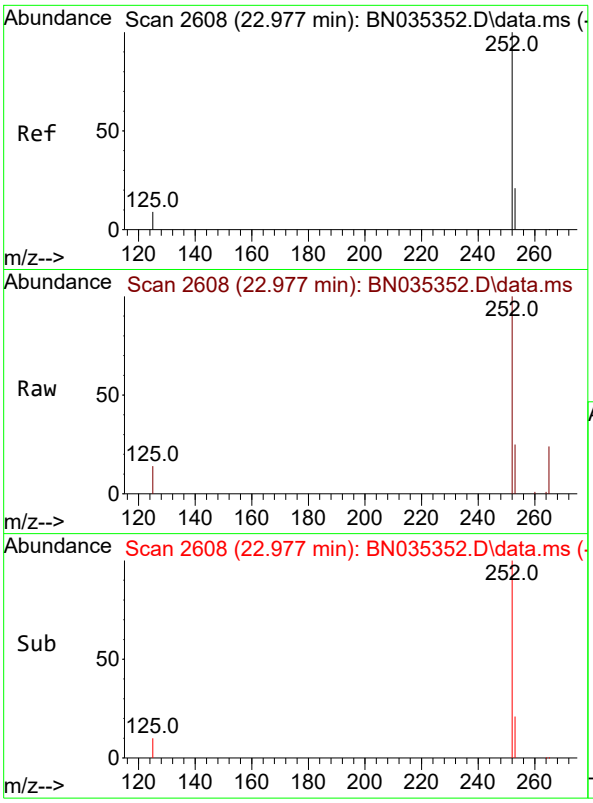


#38
Benzo(k)fluoranthene
Concen: 0.416 ng
RT: 22.494 min Scan# 2443
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Tgt Ion:252 Resp: 15199

Ion	Ratio	Lower	Upper
252	100		
253	24.4	19.5	29.3
125	12.8	10.2	15.4



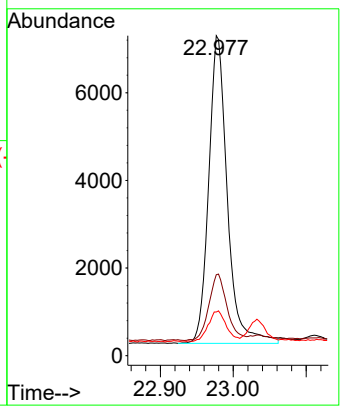


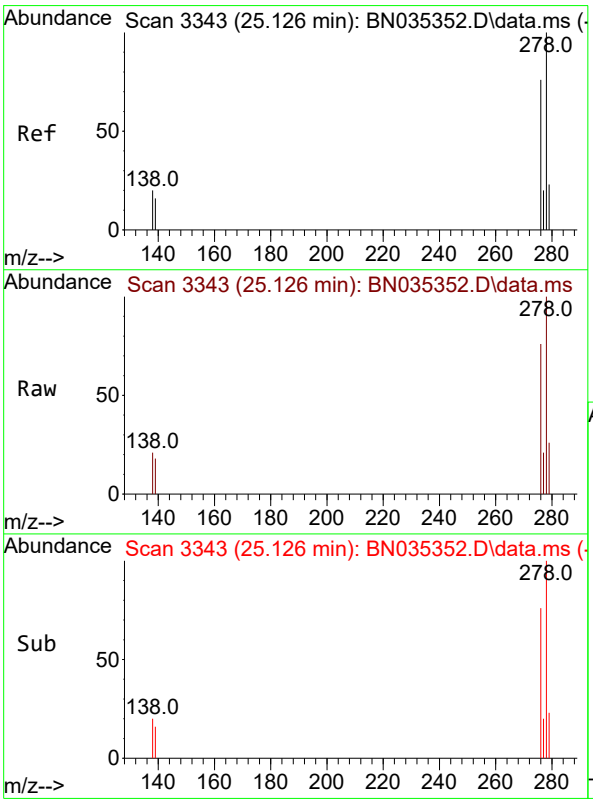
#39
Benzo(a)pyrene
Concen: 0.387 ng
RT: 22.977 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:252 Resp: 12425

Ion	Ratio	Lower	Upper
252	100		
253	25.3	20.2	30.4
125	13.6	10.9	16.3

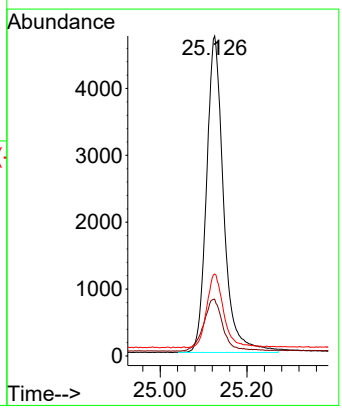


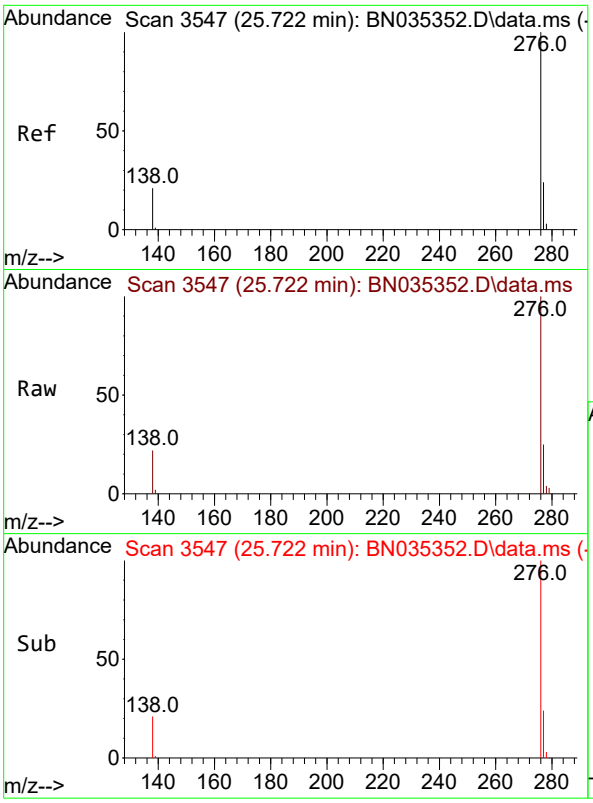


#40
Dibenzo(a,h)anthracene
Concen: 0.378 ng
RT: 25.126 min Scan# 3343
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Tgt Ion:278 Resp: 12948

Ion	Ratio	Lower	Upper
278	100		
139	17.8	14.2	21.4
279	25.6	20.5	30.7



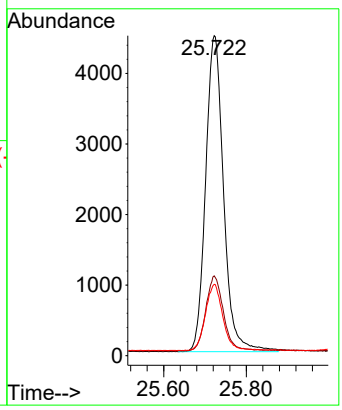


#41
Benzo(g,h,i)perylene
Concen: 0.371 ng
RT: 25.722 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:276 Resp: 13529

Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.9	29.9
138	22.3	17.8	26.8



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
Data File : BN035357.D
Acq On : 27 Nov 2024 20:21
Operator : RC/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
ICVBN112724

Quant Time: Nov 27 23:06:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 27 23:03:24 2024
Response via : Initial Calibration

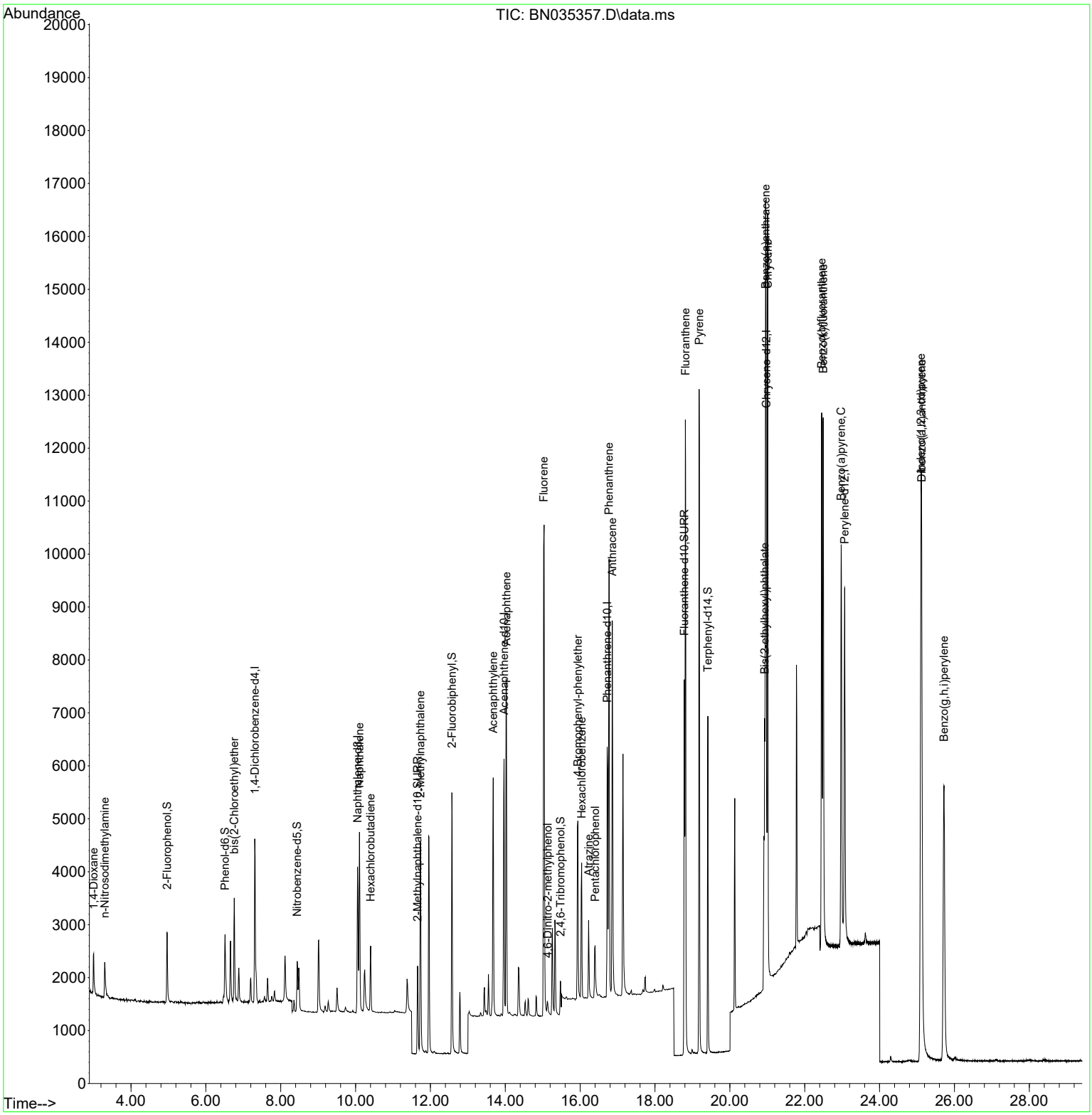
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.308	152	1540	0.400	ng		0.00
7) Naphthalene-d8	10.052	136	3904	0.400	ng		0.00
13) Acenaphthene-d10	13.967	164	2879	0.400	ng		0.00
19) Phenanthrene-d10	16.723	188	7350	0.400	ng		#-0.01
29) Chrysene-d12	20.974	240	7576	0.400	ng		0.00
35) Perylene-d12	23.067	264	8338	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	4.968	112	1280	0.332	ng		0.00
5) Phenol-d6	6.513	99	1437	0.310	ng		0.00
8) Nitrobenzene-d5	8.440	82	1017	0.427	ng		0.00
11) 2-Methylnaphthalene-d10	11.656	152	2565	0.420	ng		0.00
14) 2,4,6-Tribromophenol	15.475	330	617	0.302	ng		0.00
15) 2-Fluorobiphenyl	12.574	172	4647	0.427	ng		0.00
27) Fluoranthene-d10	18.785	212	8415	0.404	ng		0.00
31) Terphenyl-d14	19.412	244	6272	0.420	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.003	88	684	0.465	ng		99
3) n-Nitrosodimethylamine	3.299	42	495	0.404	ng	#	88
6) bis(2-Chloroethyl)ether	6.759	93	1676	0.430	ng		99
9) Naphthalene	10.105	128	4364	0.424	ng		99
10) Hexachlorobutadiene	10.404	225	1005	0.423	ng	#	100
12) 2-Methylnaphthalene	11.732	142	3157	0.428	ng		98
16) Acenaphthylene	13.679	152	5261	0.435	ng		100
17) Acenaphthene	14.031	154	3421	0.426	ng		99
18) Fluorene	15.026	166	4825	0.420	ng		99
20) 4,6-Dinitro-2-methylph...	15.132	198	263	0.364	ng	#	86
21) 4-Bromophenyl-phenylether	15.941	248	1742	0.405	ng		99
22) Hexachlorobenzene	16.040	284	2151	0.426	ng		99
23) Atrazine	16.227	200	1227	0.401	ng		99
24) Pentachlorophenol	16.400	266	662	0.301	ng	#	83
25) Phenanthrene	16.773	178	8509	0.421	ng		100
26) Anthracene	16.860	178	7849	0.430	ng		100
28) Fluoranthene	18.812	202	10941	0.402	ng		100
30) Pyrene	19.179	202	11476	0.410	ng		100
32) Benzo(a)anthracene	20.956	228	10934	0.413	ng		100
33) Chrysene	21.009	228	11926	0.436	ng		99
34) Bis(2-ethylhexyl)phtha...	20.929	149	4016	0.384	ng		100
36) Indeno(1,2,3-cd)pyrene	25.105	276	14433	0.443	ng		99
37) Benzo(b)fluoranthene	22.453	252	12988	0.426	ng		99
38) Benzo(k)fluoranthene	22.494	252	12669	0.422	ng		99
39) Benzo(a)pyrene	22.974	252	11094	0.442	ng		99
40) Dibenzo(a,h)anthracene	25.123	278	11141	0.433	ng		100
41) Benzo(g,h,i)perylene	25.722	276	10870	0.404	ng		99

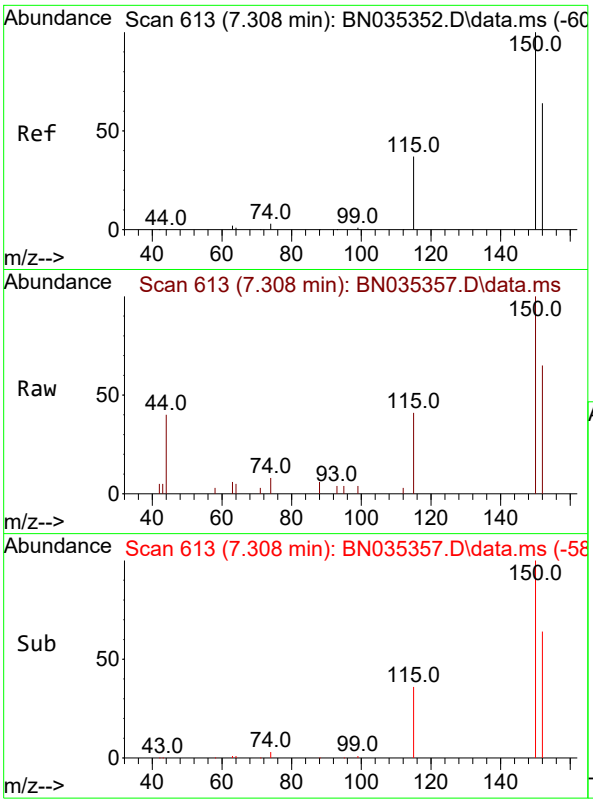
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
Data File : BN035357.D
Acq On : 27 Nov 2024 20:21
Operator : RC/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
ICVBN112724

Quant Time: Nov 27 23:06:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 27 23:03:24 2024
Response via : Initial Calibration



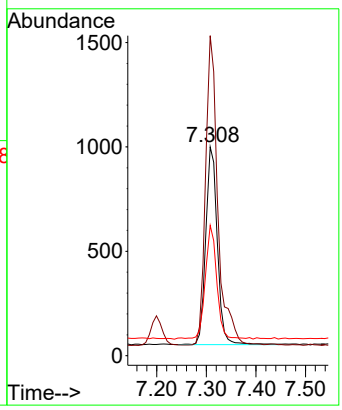


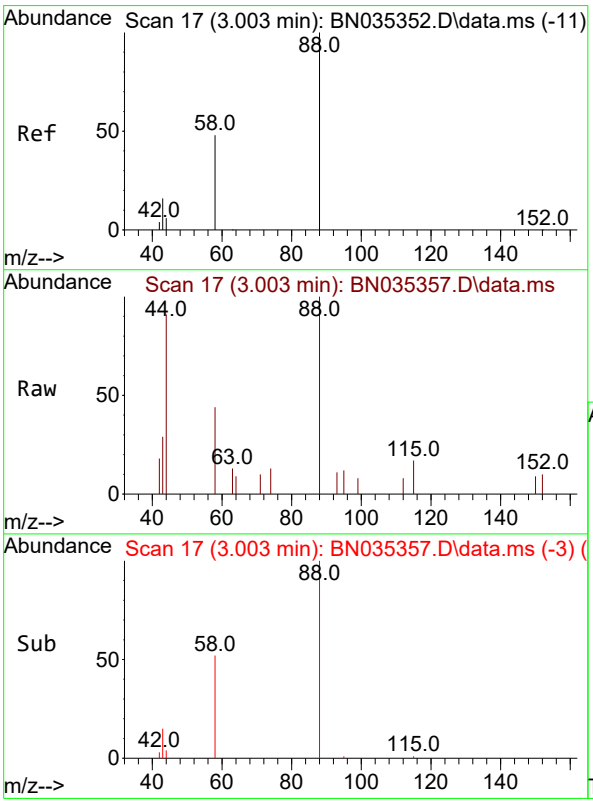
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.308 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Instrument :
BNA_N
ClientSampleId :
ICVBN112724

Tgt Ion:152 Resp: 1540

Ion	Ratio	Lower	Upper
152	100		
150	153.3	124.0	186.0
115	62.4	49.6	74.4

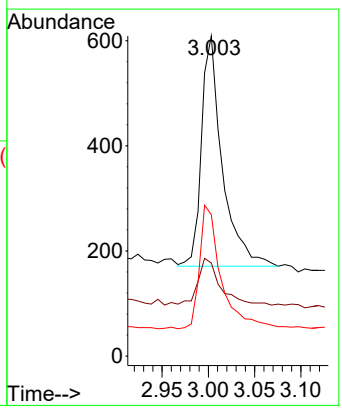


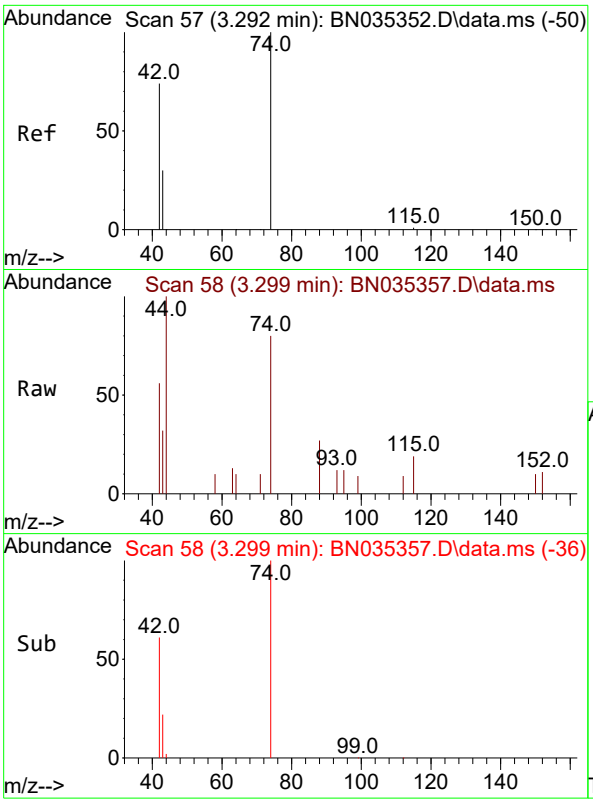


#2
1,4-Dioxane
Concen: 0.465 ng
RT: 3.003 min Scan# 17
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Tgt Ion: 88 Resp: 684

Ion	Ratio	Lower	Upper
88	100		
43	21.8	17.2	25.8
58	56.0	44.5	66.7



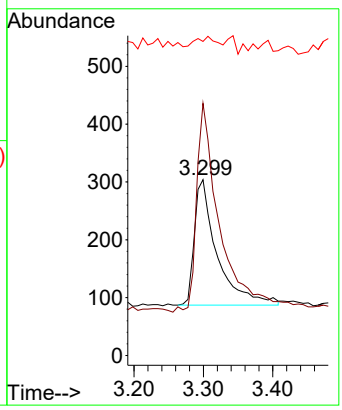


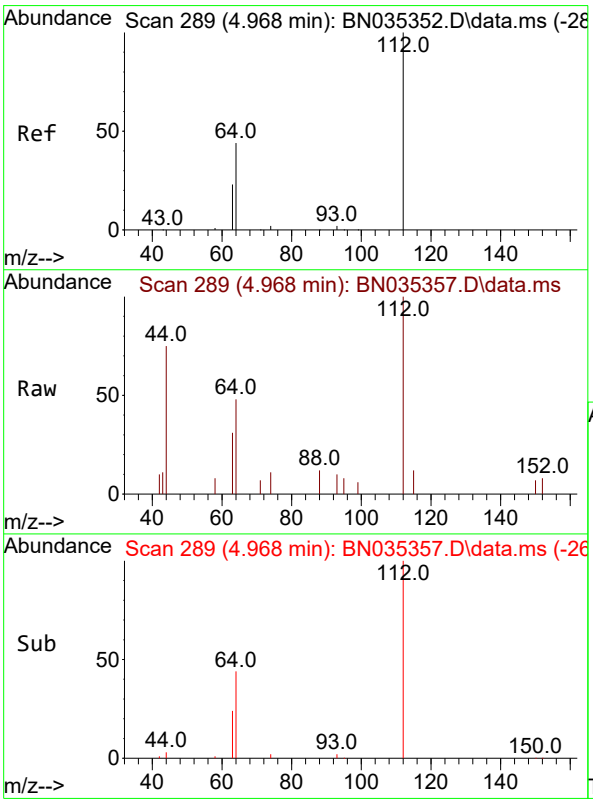
#3
n-Nitrosodimethylamine
Concen: 0.404 ng
RT: 3.299 min Scan# 5
Delta R.T. 0.007 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Instrument :
BNA_N
ClientSampleId :
ICVBN112724

Tgt Ion: 42 Resp: 495

Ion	Ratio	Lower	Upper
42	100		
74	172.1	124.9	187.3
44	6.3	2.2	3.4#

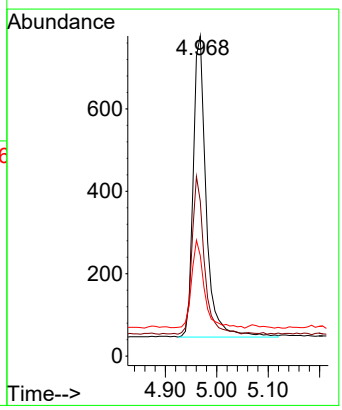


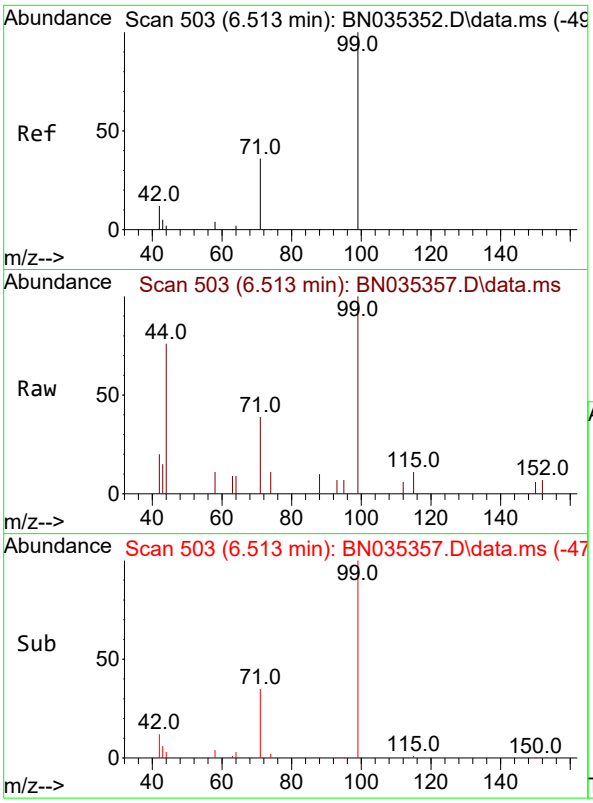


#4
2-Fluorophenol
Concen: 0.332 ng
RT: 4.968 min Scan# 289
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Tgt Ion:112 Resp: 1280

Ion	Ratio	Lower	Upper
112	100		
64	49.0	39.8	59.8
63	28.4	21.0	31.6



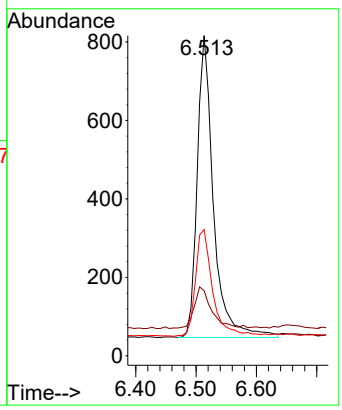


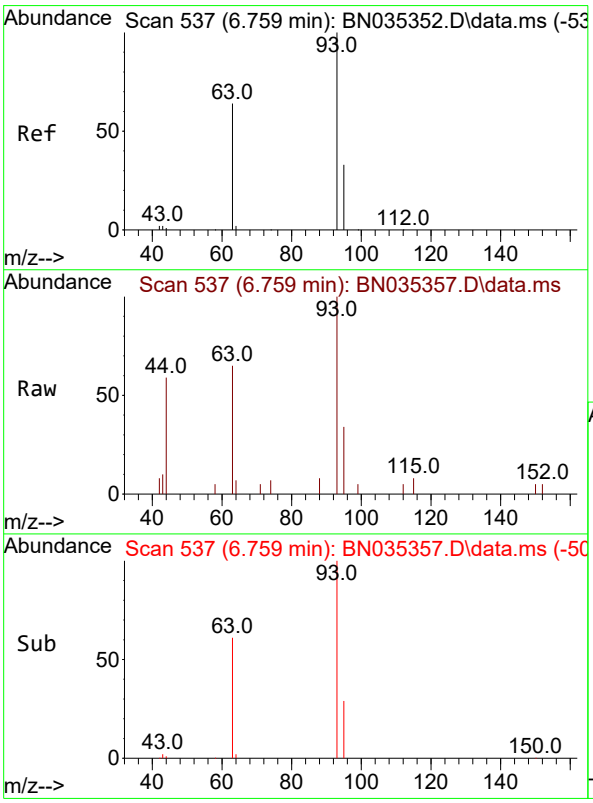
#5
Phenol-d6
Concen: 0.310 ng
RT: 6.513 min Scan# 5(
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Instrument :
BNA_N
ClientSampleId :
ICVBN112724

Tgt Ion: 99 Resp: 1437

Ion	Ratio	Lower	Upper
99	100		
42	13.9	11.4	17.2
71	37.2	29.3	43.9

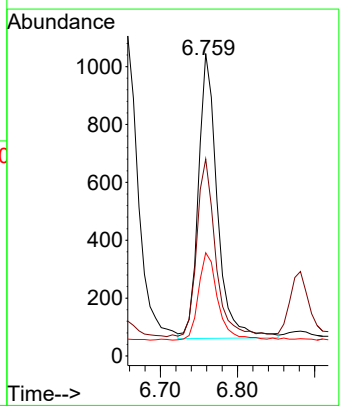


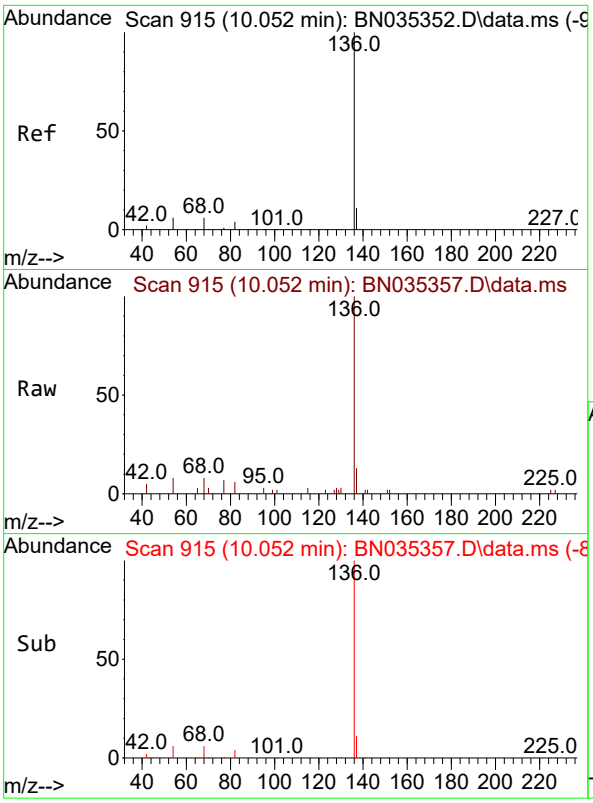


#6
bis(2-Chloroethyl)ether
Concen: 0.430 ng
RT: 6.759 min Scan# 537
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Tgt Ion: 93 Resp: 1676

Ion	Ratio	Lower	Upper
93	100		
63	62.1	50.4	75.6
95	31.4	25.7	38.5



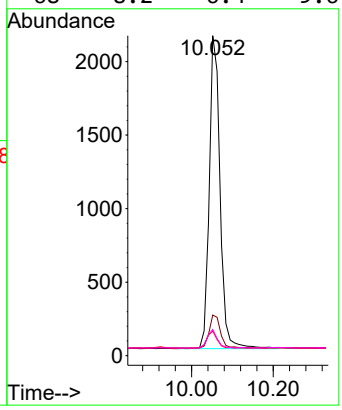


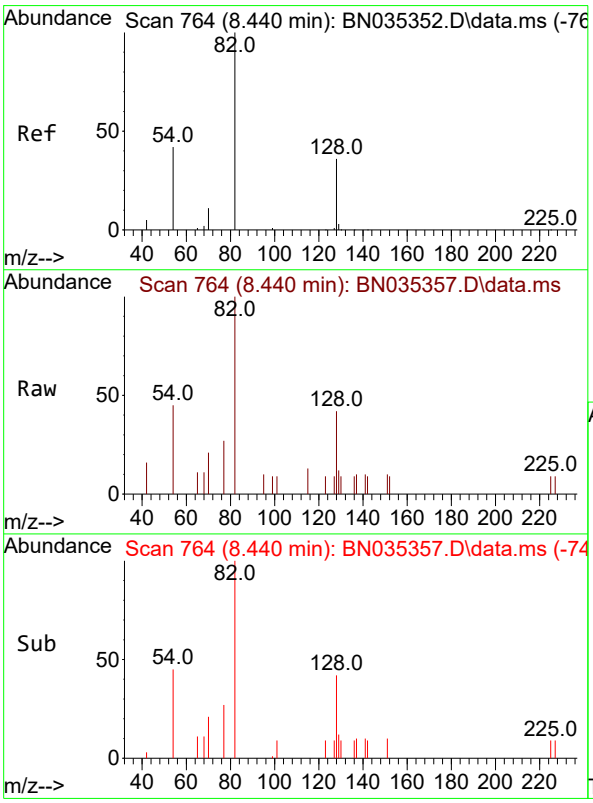
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.052 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Instrument :
BNA_N
ClientSampleId :
ICVBN112724

Tgt Ion:136 Resp: 3904

Ion	Ratio	Lower	Upper
136	100		
137	12.7	10.2	15.2
54	7.7	6.1	9.1
68	8.2	6.4	9.6

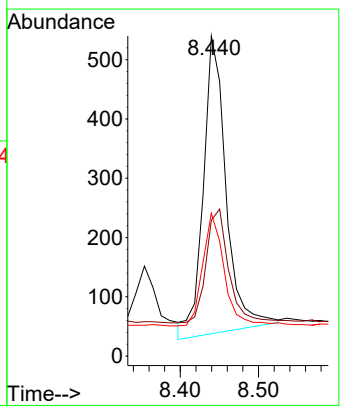


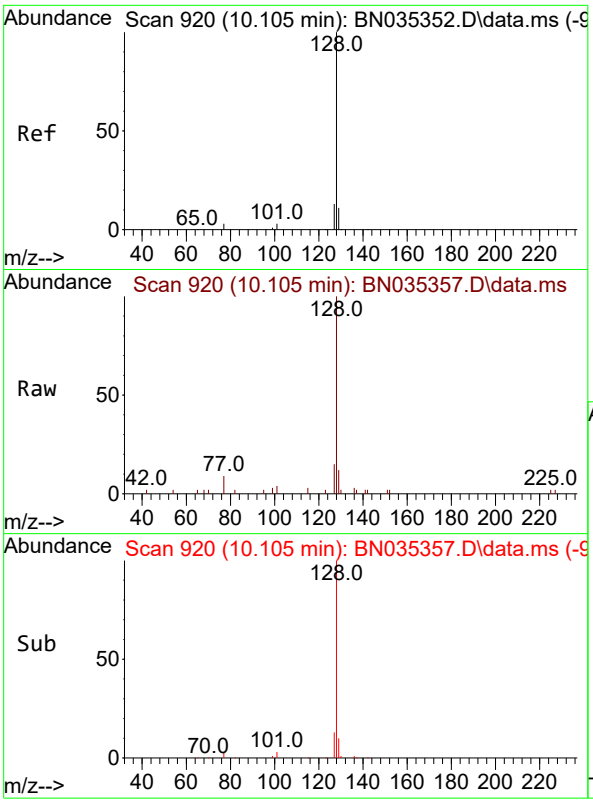


#8
Nitrobenzene-d5
Concen: 0.427 ng
RT: 8.440 min Scan# 764
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Tgt Ion: 82 Resp: 1017

Ion	Ratio	Lower	Upper
82	100		
128	42.4	33.4	50.0
54	44.6	36.7	55.1



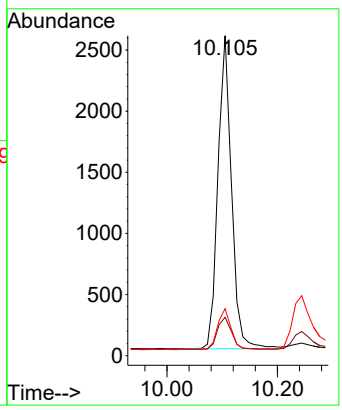


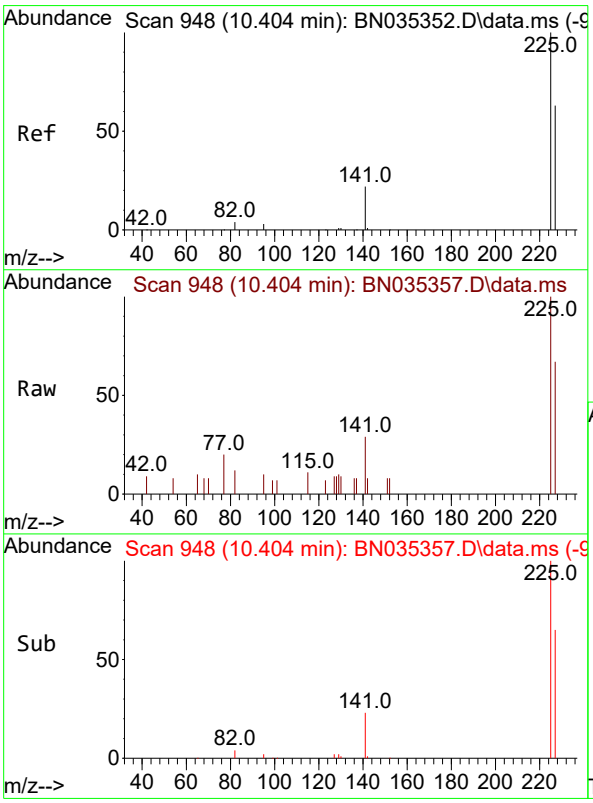
#9
Naphthalene
Concen: 0.424 ng
RT: 10.105 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Instrument :
BNA_N
ClientSampleId :
ICVBN112724

Tgt Ion:128 Resp: 4364

Ion	Ratio	Lower	Upper
128	100		
129	12.0	9.8	14.6
127	14.7	11.4	17.2

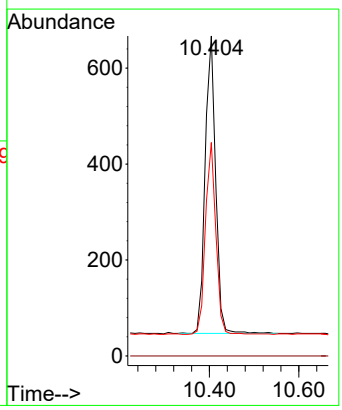


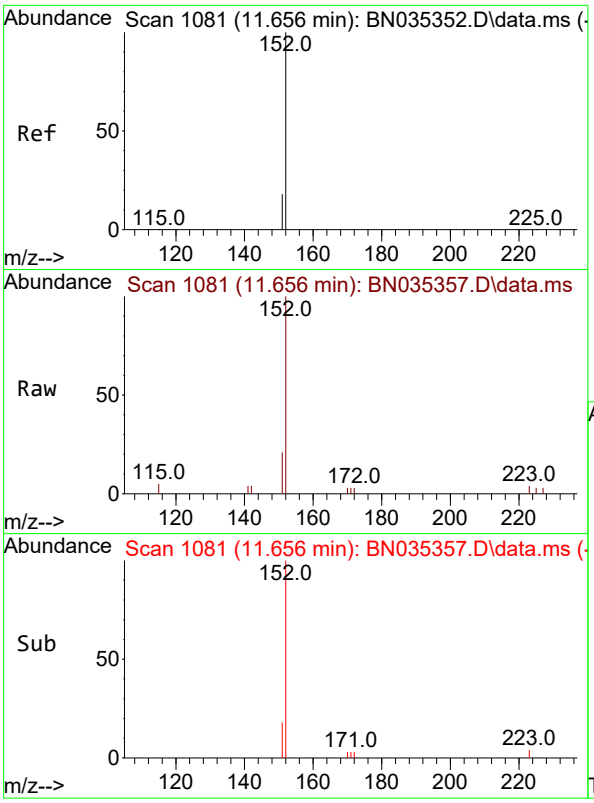


#10
Hexachlorobutadiene
Concen: 0.423 ng
RT: 10.404 min Scan# 948
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Tgt Ion:225 Resp: 1005

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.3	51.3	76.9



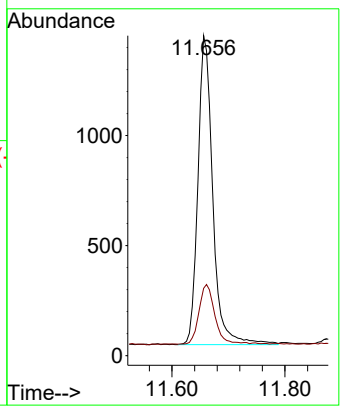


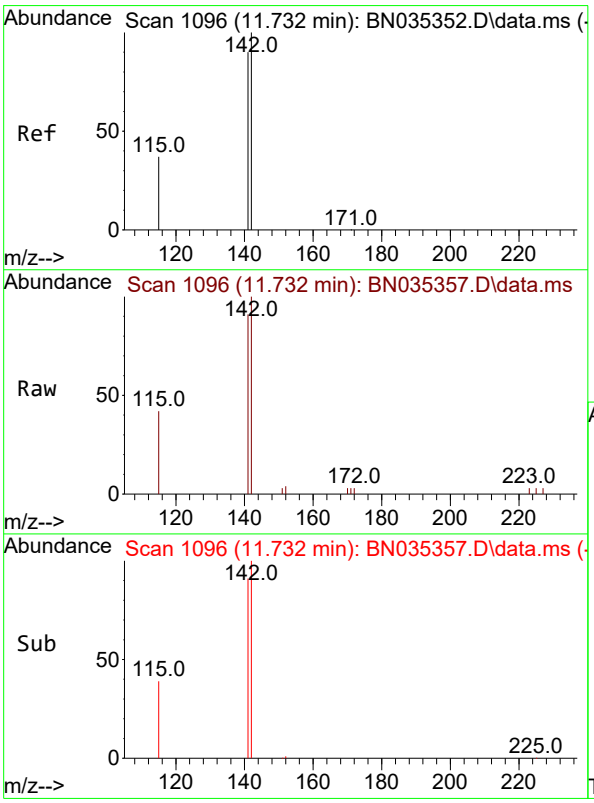
#11
2-Methylnaphthalene-d10
Concen: 0.420 ng
RT: 11.656 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Instrument :
BNA_N
ClientSampleId :
ICVBN112724

Tgt Ion:152 Resp: 2565

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.6	25.0

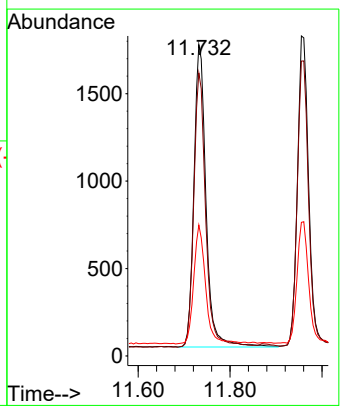


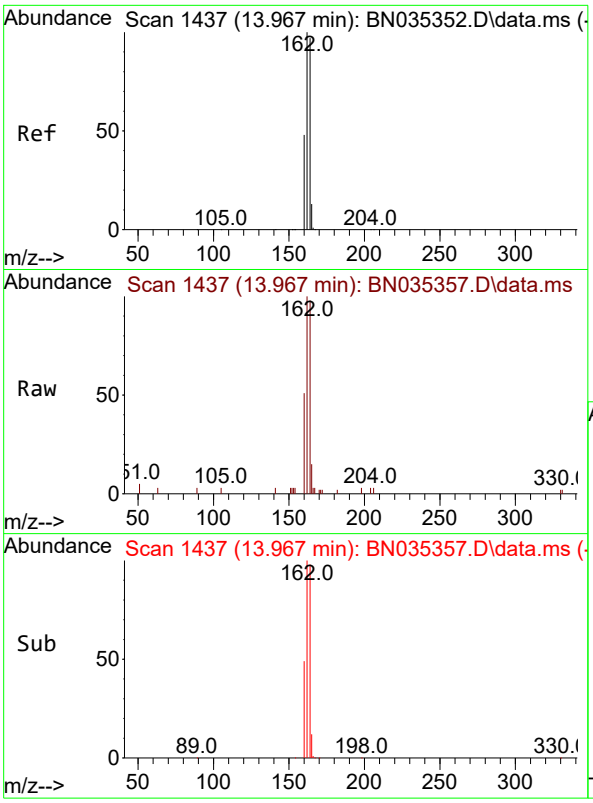


#12
2-Methylnaphthalene
Concen: 0.428 ng
RT: 11.732 min Scan# 1096
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Tgt Ion:142 Resp: 3157

Ion	Ratio	Lower	Upper
142	100		
141	90.9	72.2	108.4
115	42.0	31.4	47.0



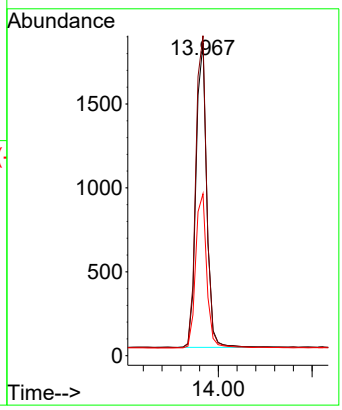


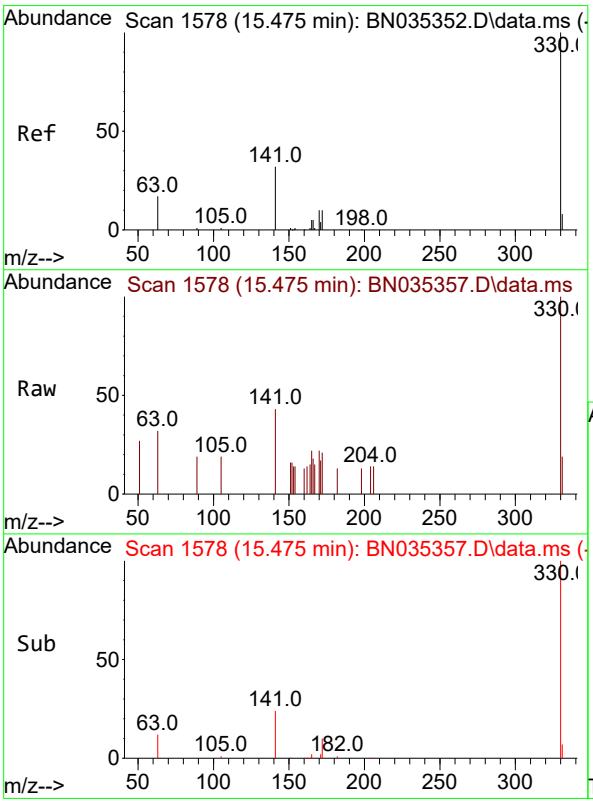
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.967 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Instrument :
BNA_N
ClientSampleId :
ICVBN112724

Tgt Ion:164 Resp: 2879

Ion	Ratio	Lower	Upper
164	100		
162	102.3	82.2	123.2
160	51.8	40.1	60.1

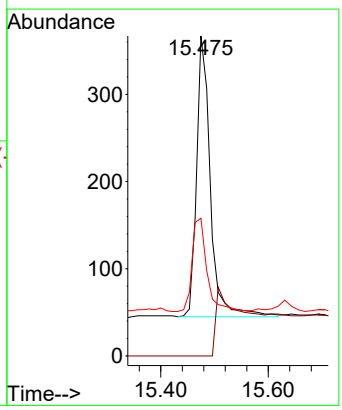


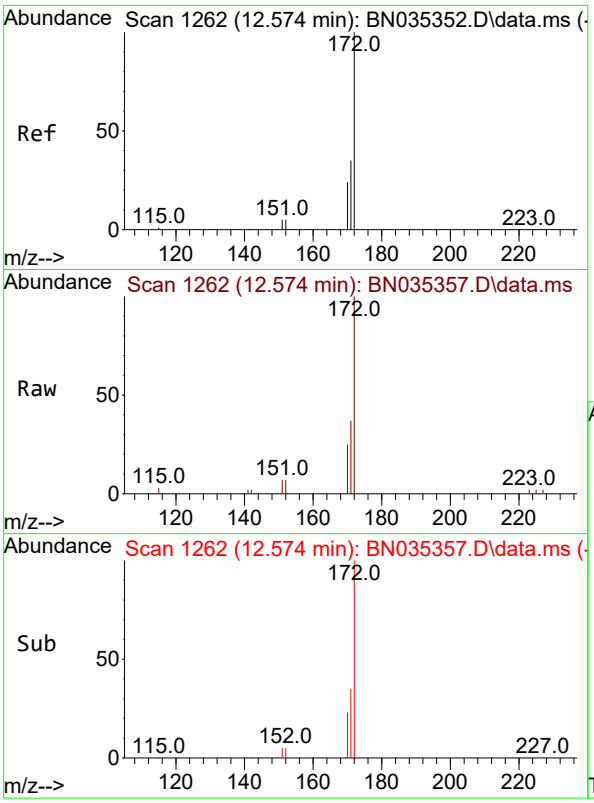


#14
2,4,6-Tribromophenol
Concen: 0.302 ng
RT: 15.475 min Scan# 1578
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Tgt Ion:330 Resp: 617

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	34.7	26.6	40.0



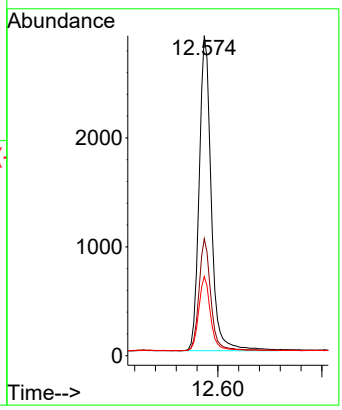


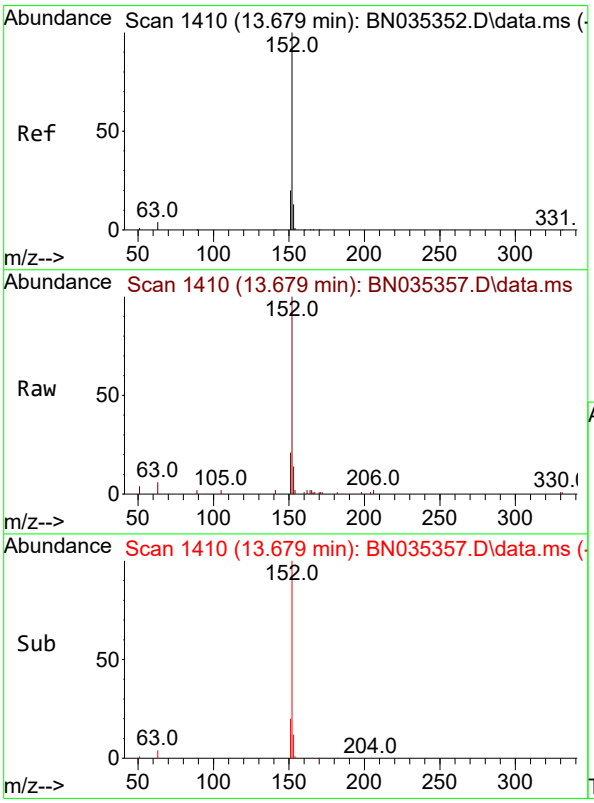
#15
2-Fluorobiphenyl
Concen: 0.427 ng
RT: 12.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Instrument :
BNA_N
ClientSampleId :
ICVBN112724

Tgt Ion:172 Resp: 4647

Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.0	43.4
170	24.7	19.8	29.8

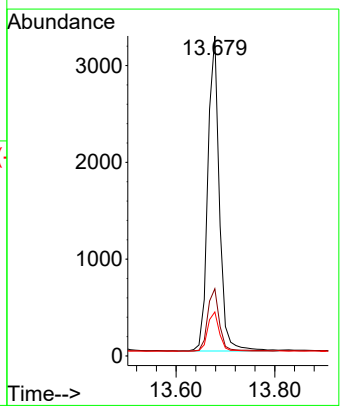


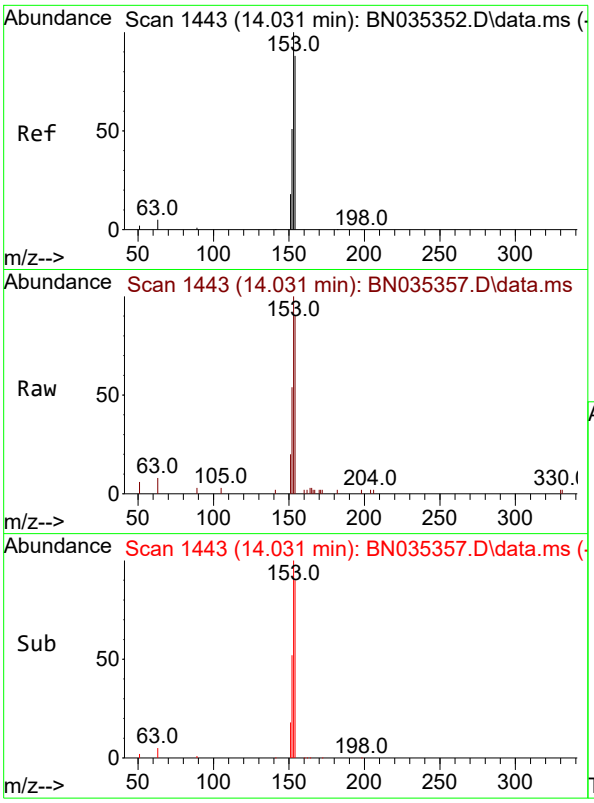


#16
Acenaphthylene
Concen: 0.435 ng
RT: 13.679 min Scan# 1410
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Tgt Ion:152 Resp: 5261

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.2	24.2
153	12.7	10.4	15.6



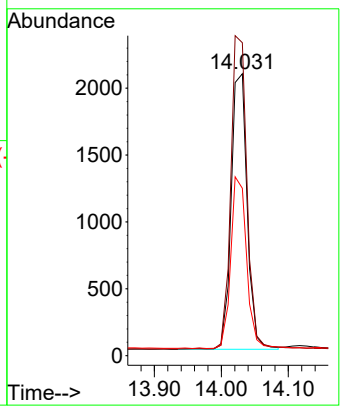


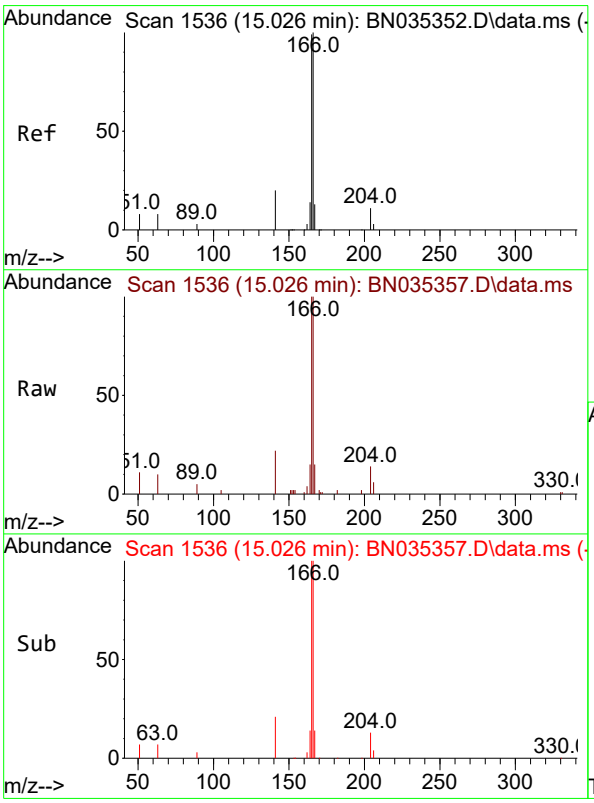
#17
Acenaphthene
Concen: 0.426 ng
RT: 14.031 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Instrument :
BNA_N
ClientSampleId :
ICVBN112724

Tgt Ion:154 Resp: 3421

Ion	Ratio	Lower	Upper
154	100		
153	115.4	92.6	139.0
152	61.9	49.0	73.6

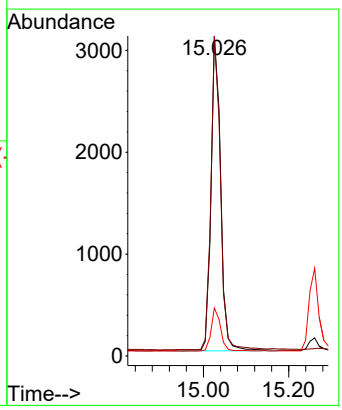


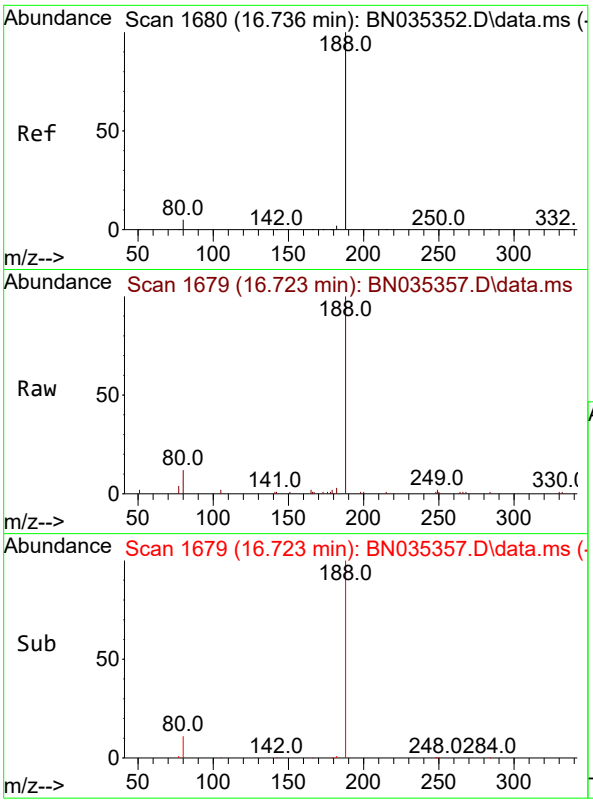


#18
Fluorene
Concen: 0.420 ng
RT: 15.026 min Scan# 1536
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Tgt Ion:166 Resp: 4825

Ion	Ratio	Lower	Upper
166	100		
165	98.4	79.7	119.5
167	13.6	10.8	16.2



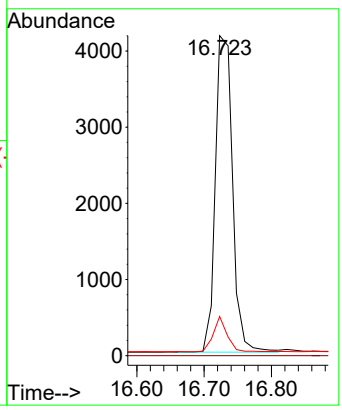


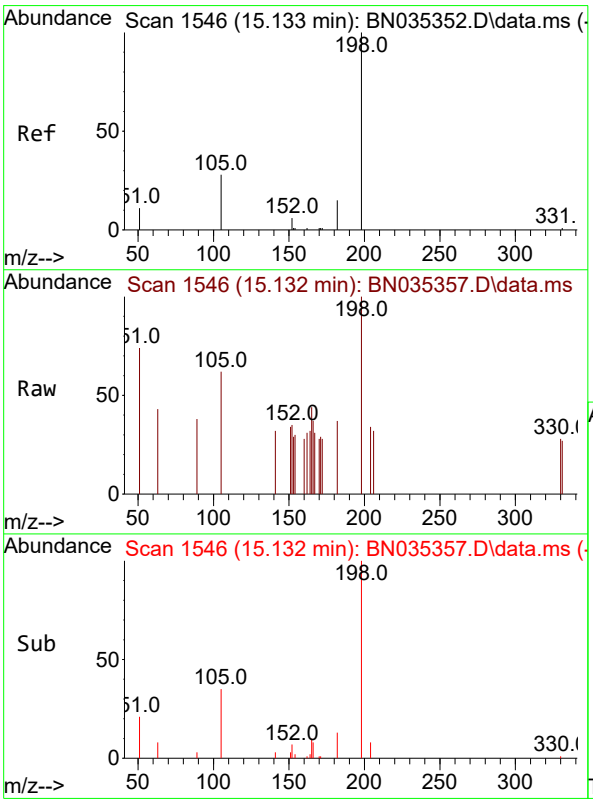
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.723 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Instrument :
BNA_N
ClientSampleId :
ICVBN112724

Tgt Ion:188 Resp: 7350

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	12.2	4.6	6.8#

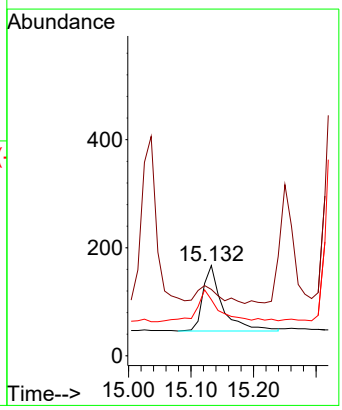


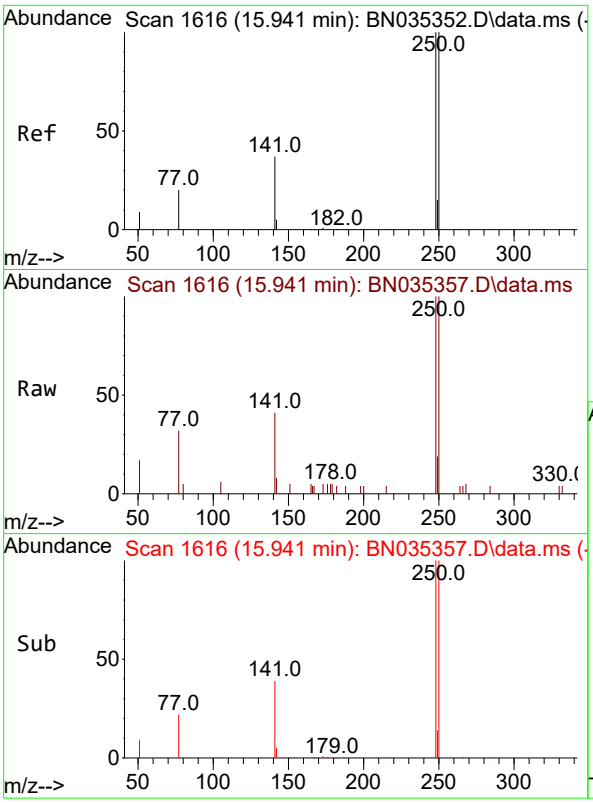


#20
4,6-Dinitro-2-methylphenol
Concen: 0.364 ng
RT: 15.132 min Scan# 1546
Delta R.T. -0.001 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Tgt Ion:198 Resp: 263

Ion	Ratio	Lower	Upper
198	100		
51	73.7	46.5	69.7#
105	62.3	45.3	67.9



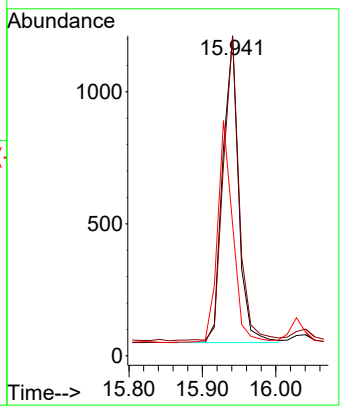


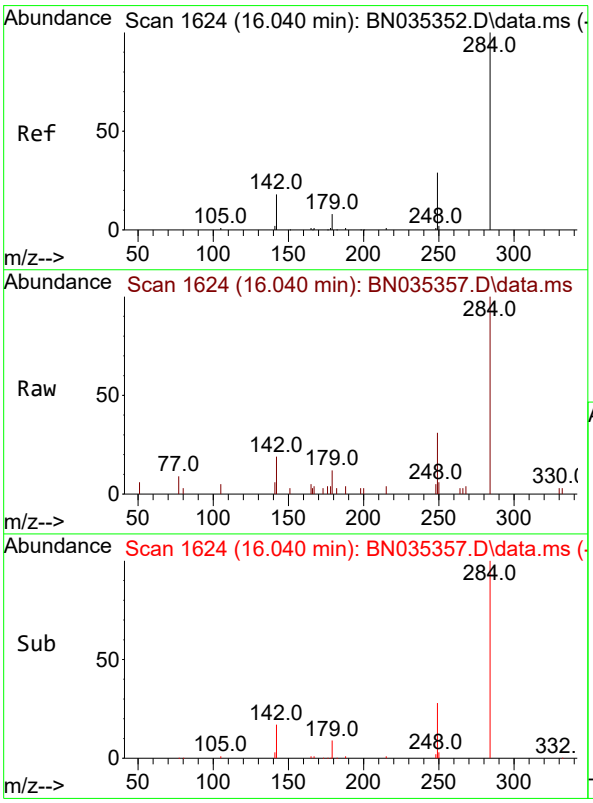
#21
4-Bromophenyl-phenylether
Concen: 0.405 ng
RT: 15.941 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Instrument :
BNA_N
ClientSampleId :
ICVBN112724

Tgt Ion:248 Resp: 1742

Ion	Ratio	Lower	Upper
248	100		
250	100.3	80.6	120.8
141	41.2	31.5	47.3

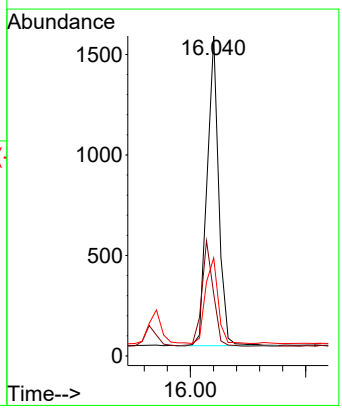


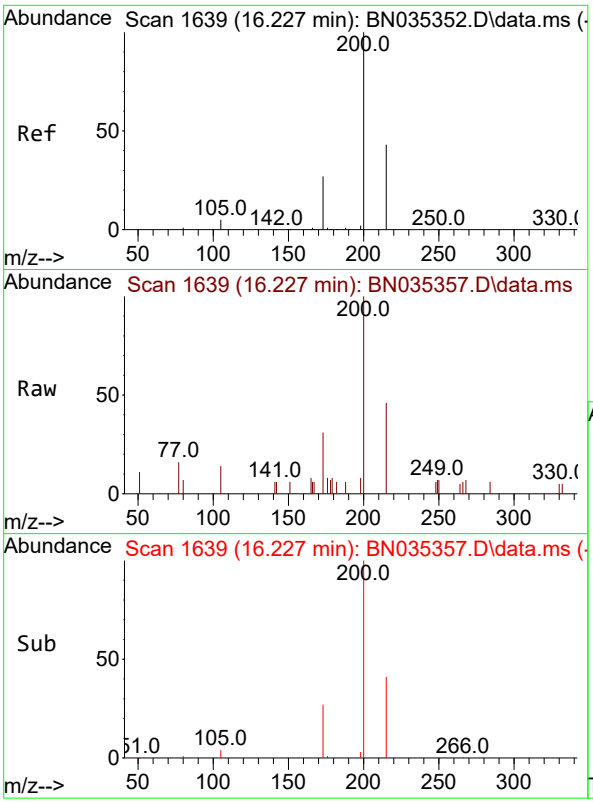


#22
Hexachlorobenzene
Concen: 0.426 ng
RT: 16.040 min Scan# 1624
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Tgt Ion:284 Resp: 2151

Ion	Ratio	Lower	Upper
284	100		
142	33.5	26.7	40.1
249	30.0	24.6	36.8



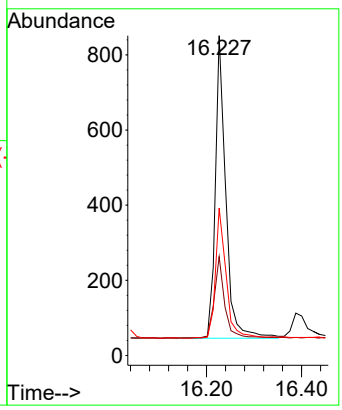


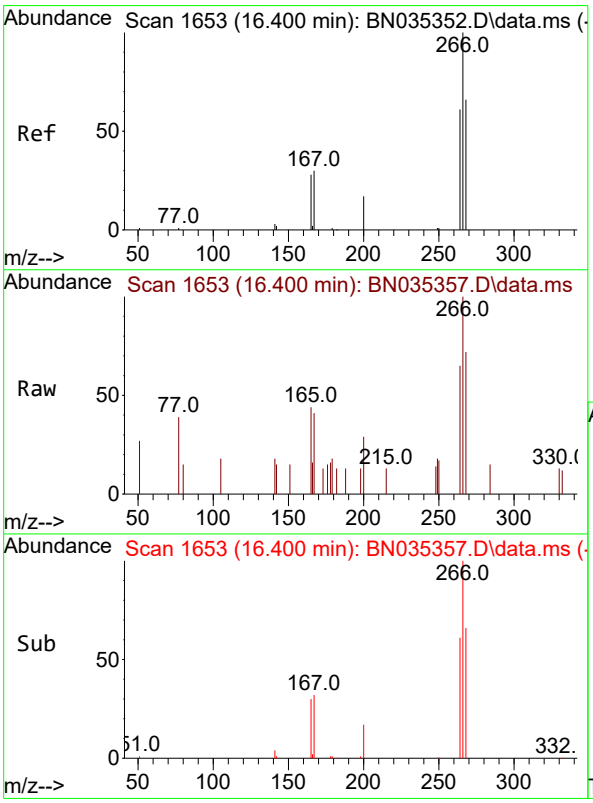
#23
Atrazine
Concen: 0.401 ng
RT: 16.227 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Instrument :
BNA_N
ClientSampleId :
ICVBN112724

Tgt Ion:200 Resp: 1227

Ion	Ratio	Lower	Upper
200	100		
173	30.9	24.1	36.1
215	46.1	36.9	55.3

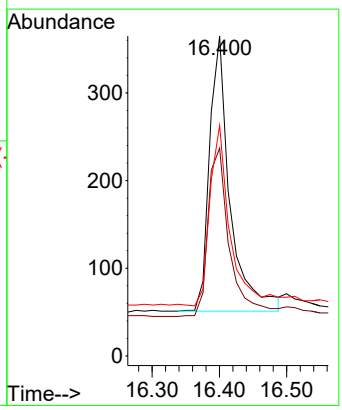


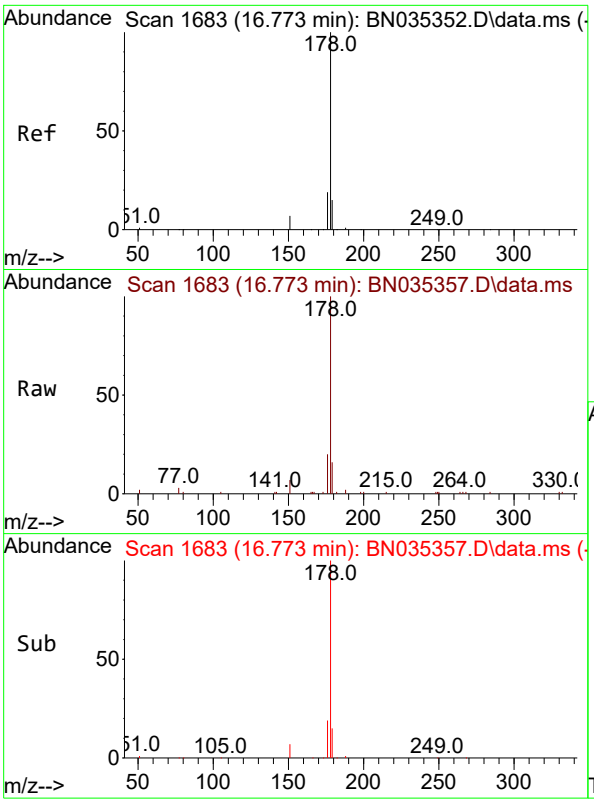


#24
Pentachlorophenol
Concen: 0.301 ng
RT: 16.400 min Scan# 1653
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Tgt Ion:266 Resp: 662

Ion	Ratio	Lower	Upper
266	100		
264	65.0	42.3	63.5#
268	66.8	43.3	64.9#



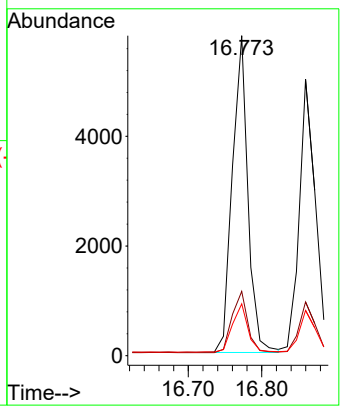


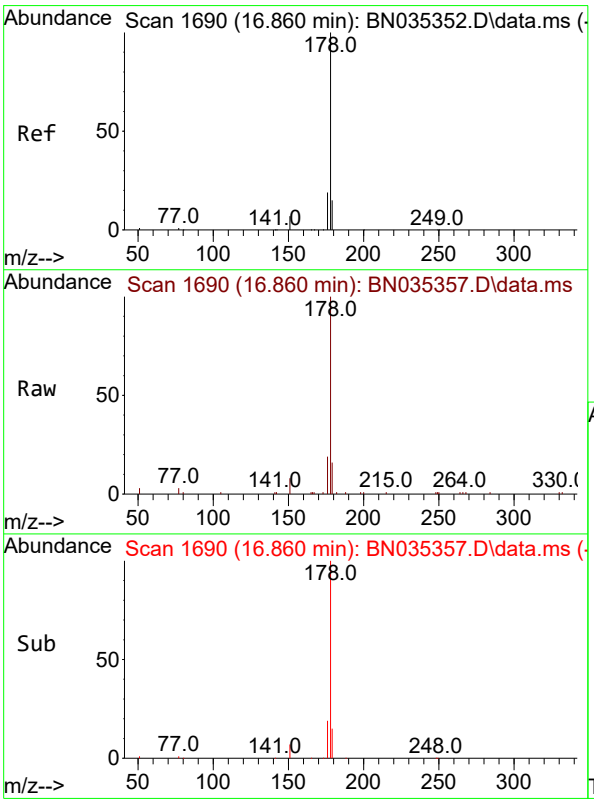
#25
Phenanthrene
Concen: 0.421 ng
RT: 16.773 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Instrument :
BNA_N
ClientSampleId :
ICVBN112724

Tgt Ion:178 Resp: 8509

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.4	23.2
179	15.4	12.3	18.5

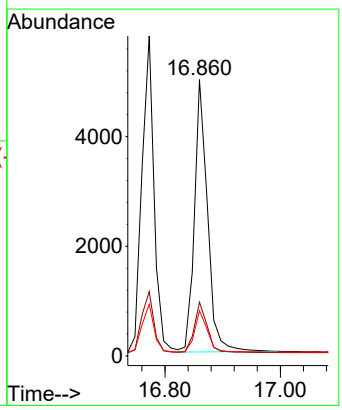


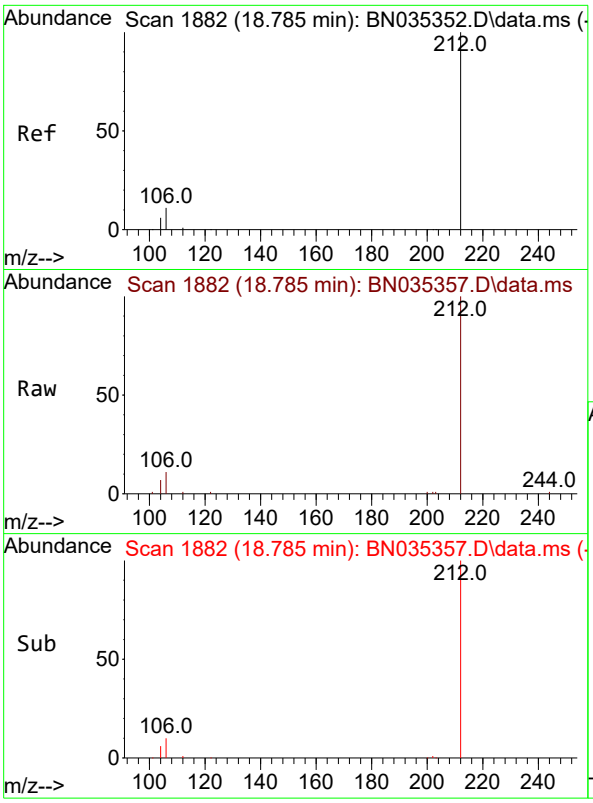


#26
Anthracene
Concen: 0.430 ng
RT: 16.860 min Scan# 1690
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Tgt Ion:178 Resp: 7849

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.6
179	15.3	12.6	18.8



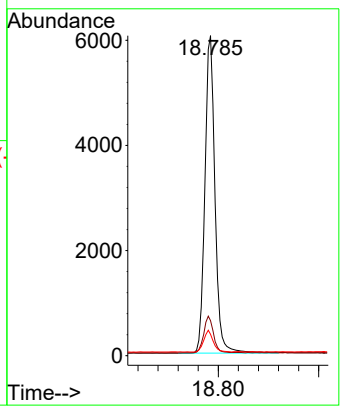


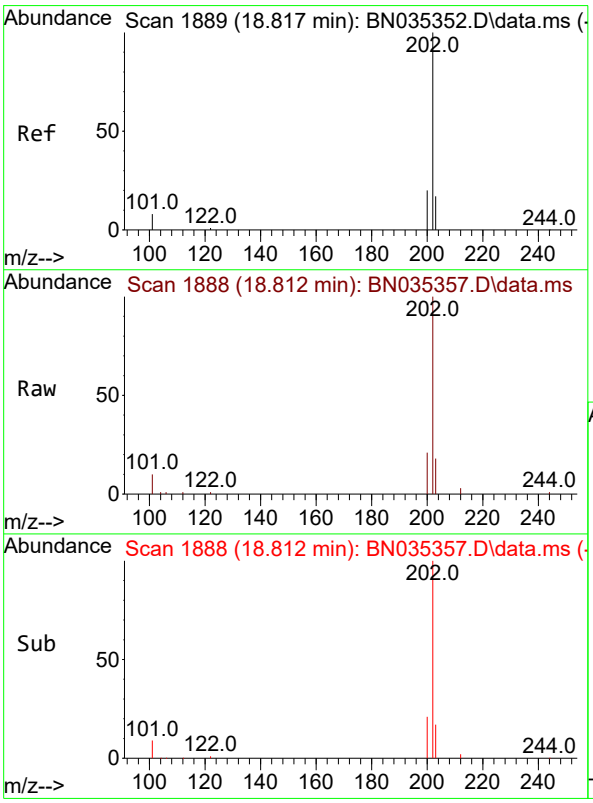
#27
Fluoranthene-d10
Concen: 0.404 ng
RT: 18.785 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Instrument :
BNA_N
ClientSampleId :
ICVBN112724

Tgt Ion:212 Resp: 8415

Ion	Ratio	Lower	Upper
212	100		
106	11.3	9.2	13.8
104	6.4	5.3	7.9

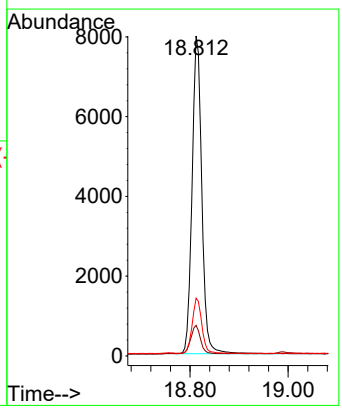


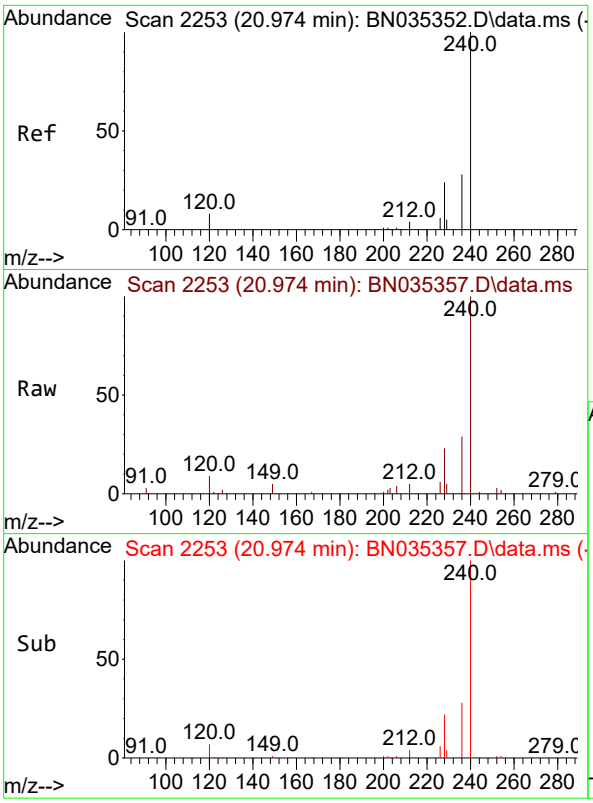


#28
Fluoranthene
Concen: 0.402 ng
RT: 18.812 min Scan# 1888
Delta R.T. -0.005 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Tgt Ion:202 Resp: 10941

Ion	Ratio	Lower	Upper
202	100		
101	9.2	7.4	11.0
203	17.1	13.7	20.5



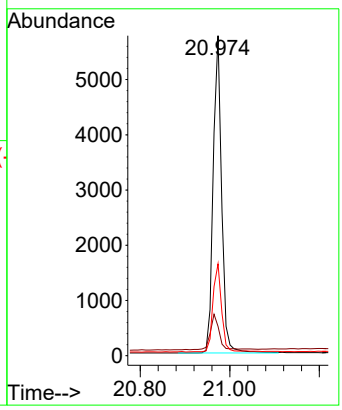


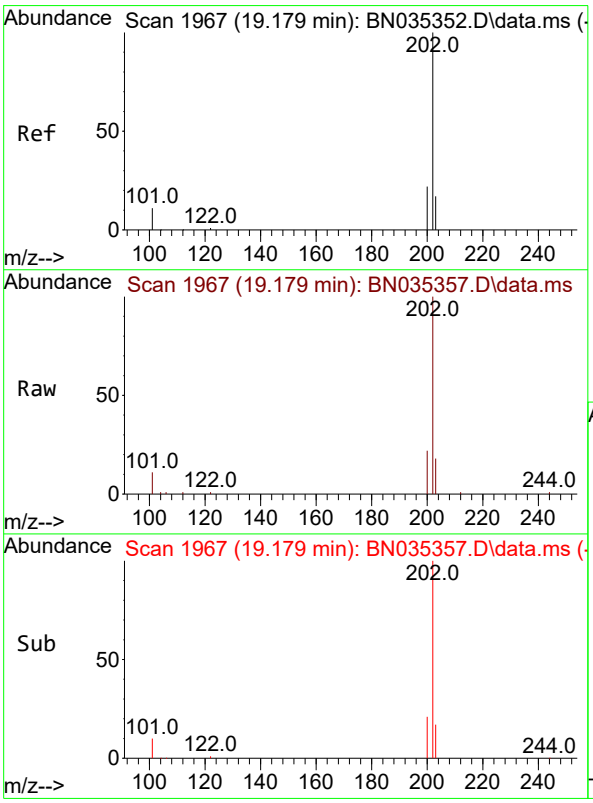
#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.974 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Instrument :
BNA_N
ClientSampleId :
ICVBN112724

Tgt Ion:240 Resp: 7576

Ion	Ratio	Lower	Upper
240	100		
120	9.1	7.9	11.9
236	28.7	22.9	34.3

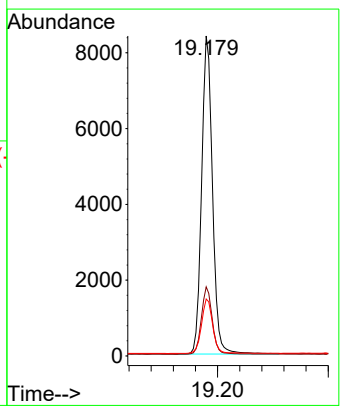


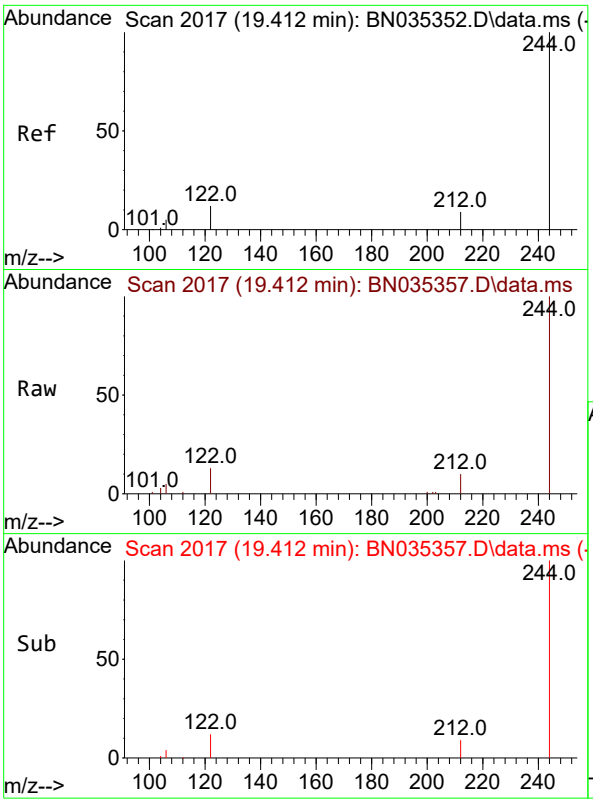


#30
Pyrene
Concen: 0.410 ng
RT: 19.179 min Scan# 1967
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Tgt Ion:202 Resp: 11476

Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.0	25.4
203	17.8	14.3	21.5



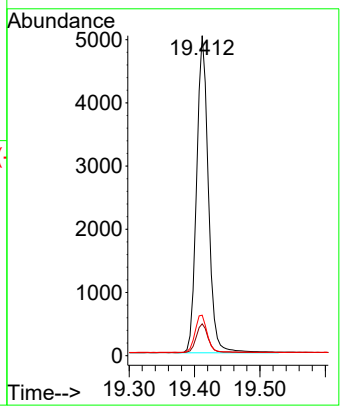


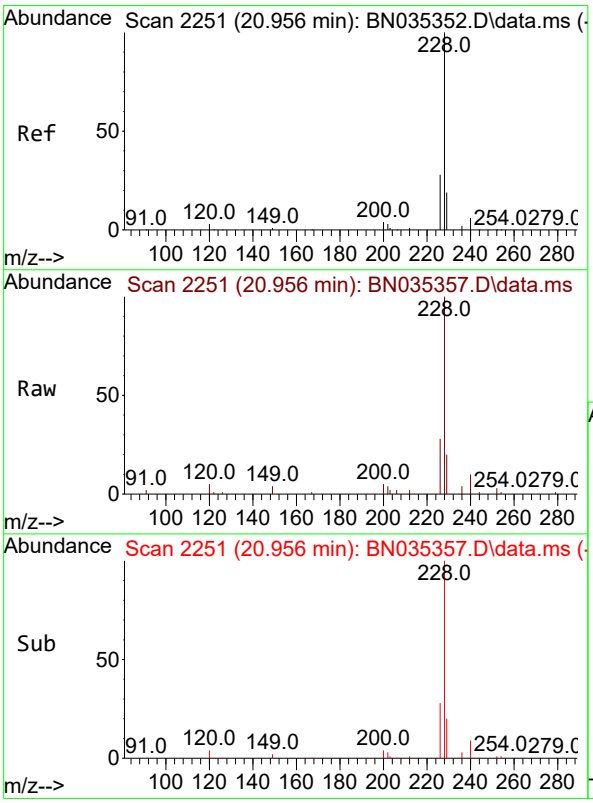
#31
Terphenyl-d14
Concen: 0.420 ng
RT: 19.412 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Instrument :
BNA_N
ClientSampleId :
ICVBN112724

Tgt Ion:244 Resp: 6272

Ion	Ratio	Lower	Upper
244	100		
212	9.9	8.1	12.1
122	12.6	10.3	15.5

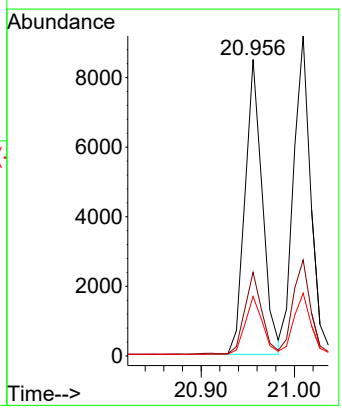


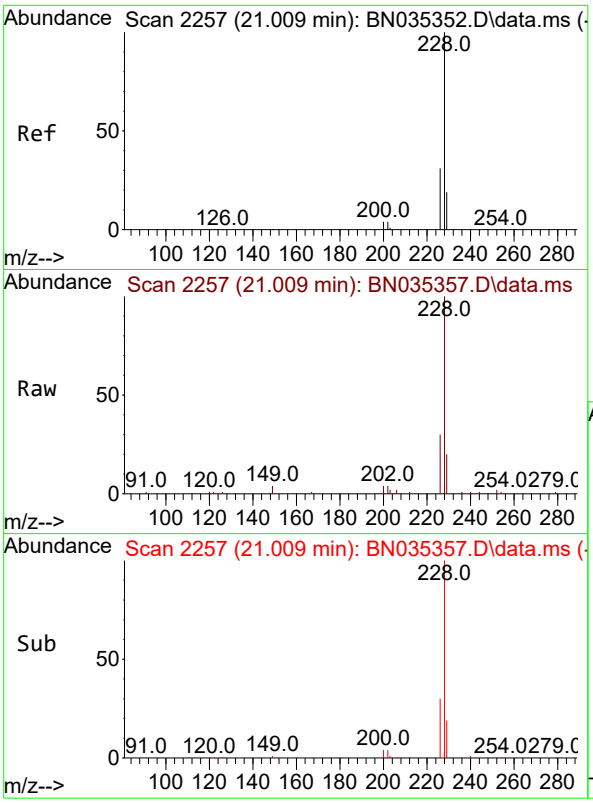


#32
Benzo(a)anthracene
Concen: 0.413 ng
RT: 20.956 min Scan# 2251
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Tgt Ion:228 Resp: 10934

Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.5	33.7
229	20.1	15.8	23.8



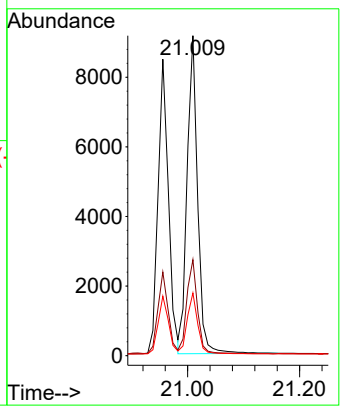


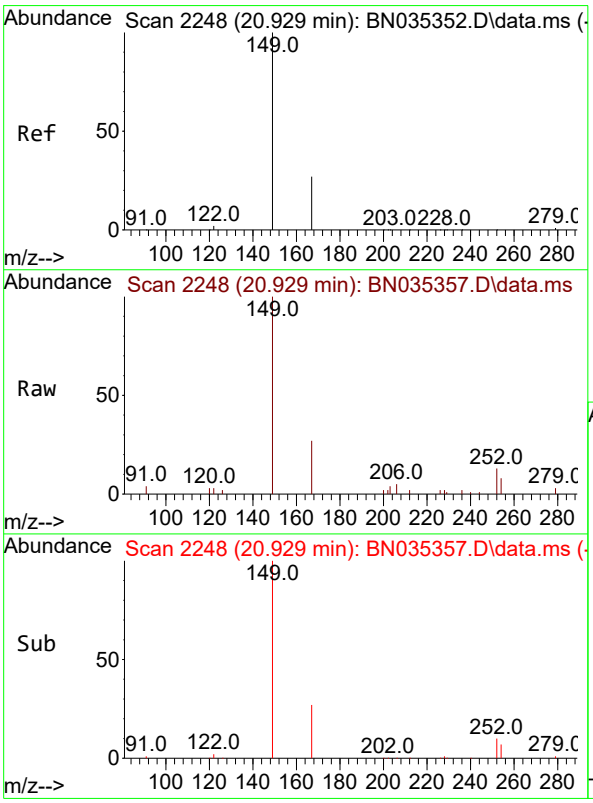
#33
Chrysene
Concen: 0.436 ng
RT: 21.009 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Instrument :
BNA_N
ClientSampleId :
ICVBN112724

Tgt Ion:228 Resp: 11926

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.6	37.0
229	19.6	15.9	23.9

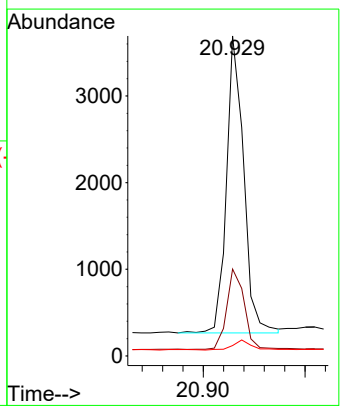


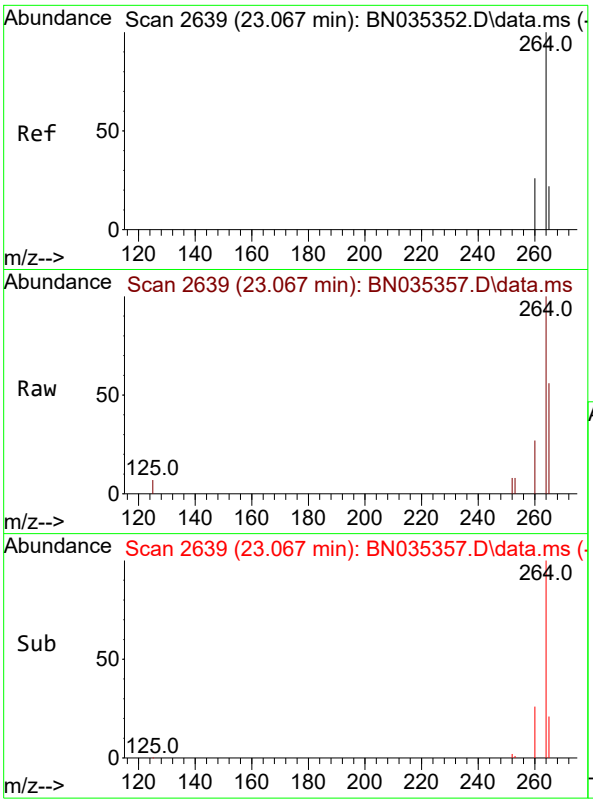


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.384 ng
RT: 20.929 min Scan# 2248
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Tgt Ion:149 Resp: 4016

Ion	Ratio	Lower	Upper
149	100		
167	27.7	22.2	33.4
279	3.7	2.7	4.1



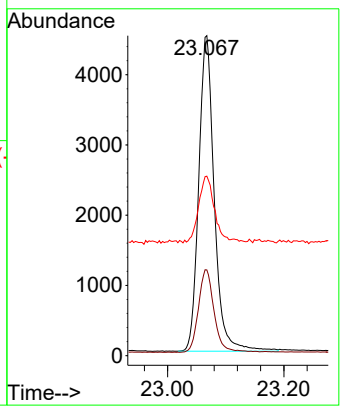


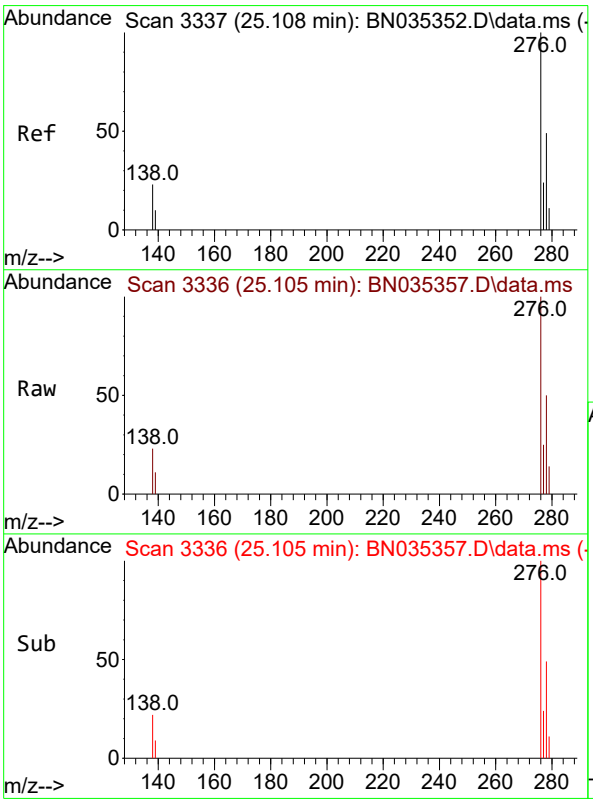
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.067 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Instrument :
BNA_N
ClientSampleId :
ICVBN112724

Tgt Ion:264 Resp: 8338

Ion	Ratio	Lower	Upper
264	100		
260	26.8	21.4	32.2
265	56.1	40.2	60.4

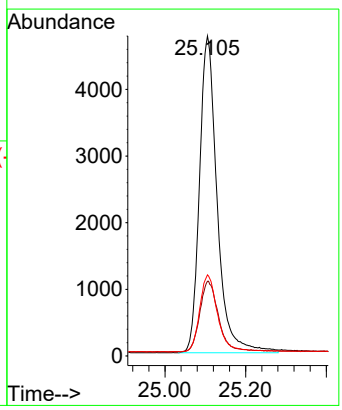


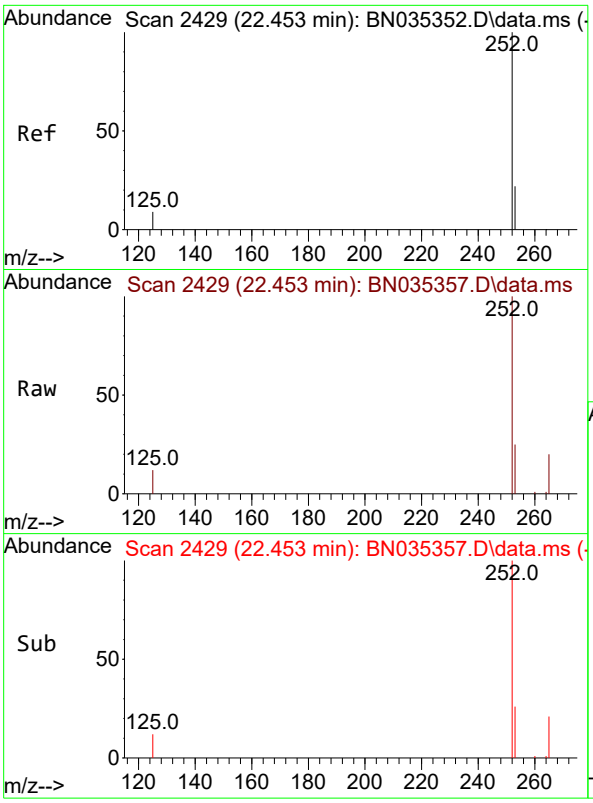


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.443 ng
RT: 25.105 min Scan# 3336
Delta R.T. -0.003 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Tgt Ion:276 Resp: 14433

Ion	Ratio	Lower	Upper
276	100		
138	23.5	19.4	29.0
277	24.6	19.8	29.6



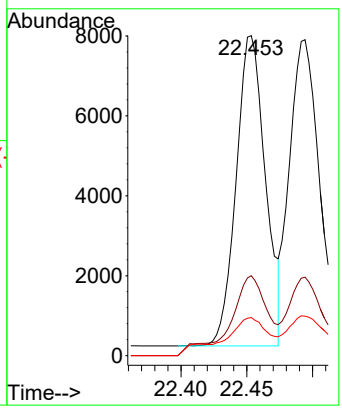


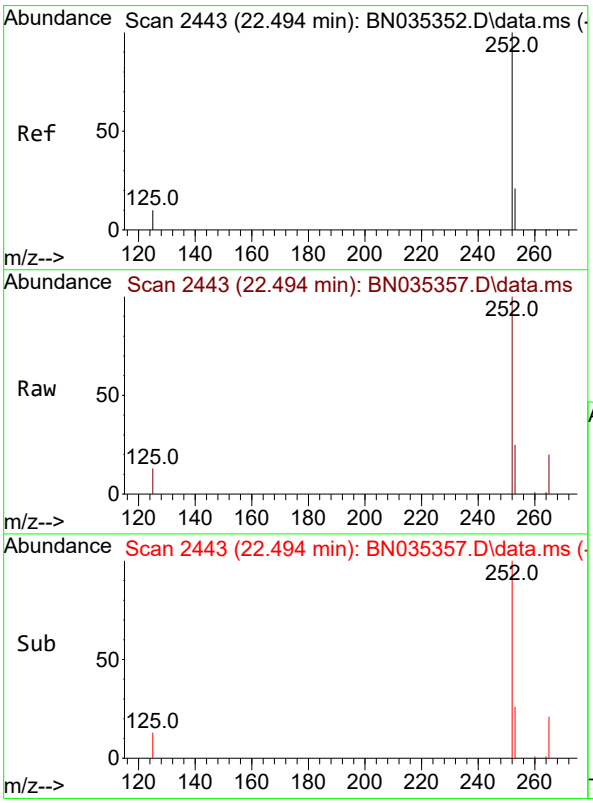
#37
Benzo(b)fluoranthene
Concen: 0.426 ng
RT: 22.453 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Instrument :
BNA_N
ClientSampleId :
ICVBN112724

Tgt Ion:252 Resp: 12988

Ion	Ratio	Lower	Upper
252	100		
253	25.0	19.6	29.4
125	11.9	9.6	14.4

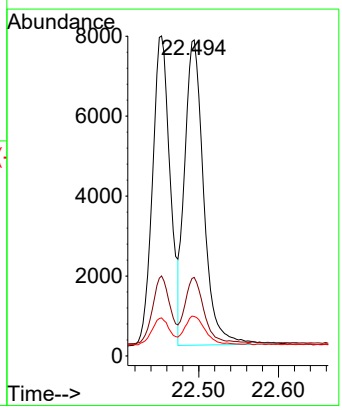


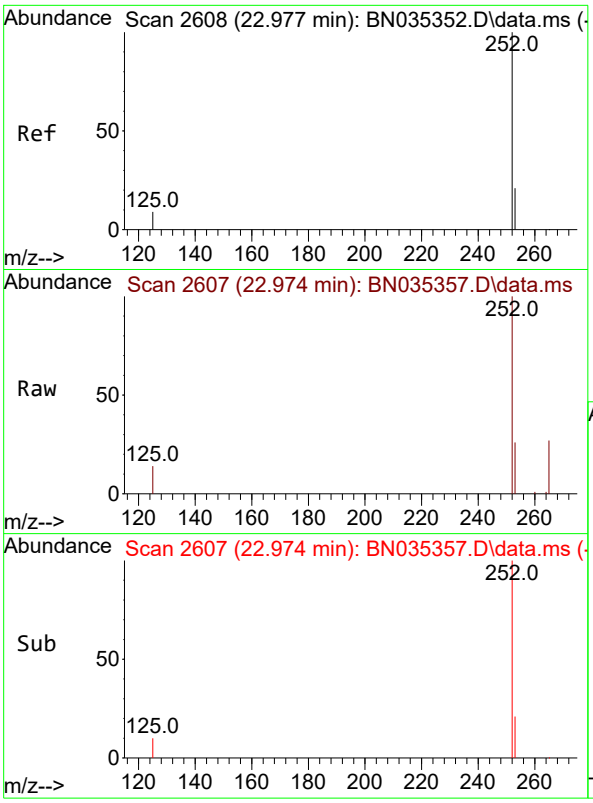


#38
Benzo(k)fluoranthene
Concen: 0.422 ng
RT: 22.494 min Scan# 2443
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Tgt Ion:252 Resp: 12669

Ion	Ratio	Lower	Upper
252	100		
253	24.8	19.5	29.3
125	12.5	10.2	15.4



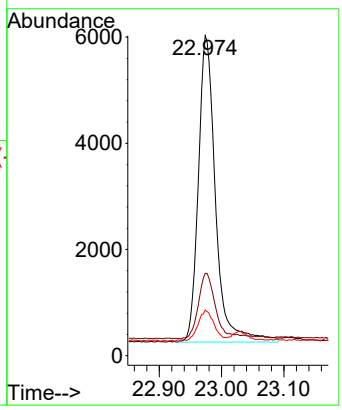


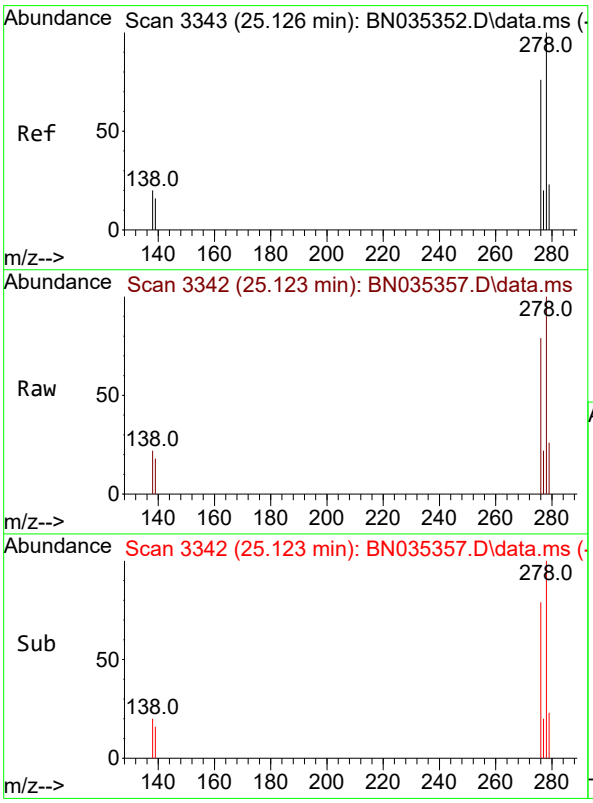
#39
Benzo(a)pyrene
Concen: 0.442 ng
RT: 22.974 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Instrument :
BNA_N
ClientSampleId :
ICVBN112724

Tgt Ion:252 Resp: 11094

Ion	Ratio	Lower	Upper
252	100		
253	25.7	20.2	30.4
125	14.3	10.9	16.3

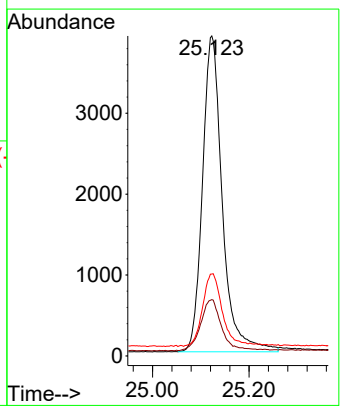


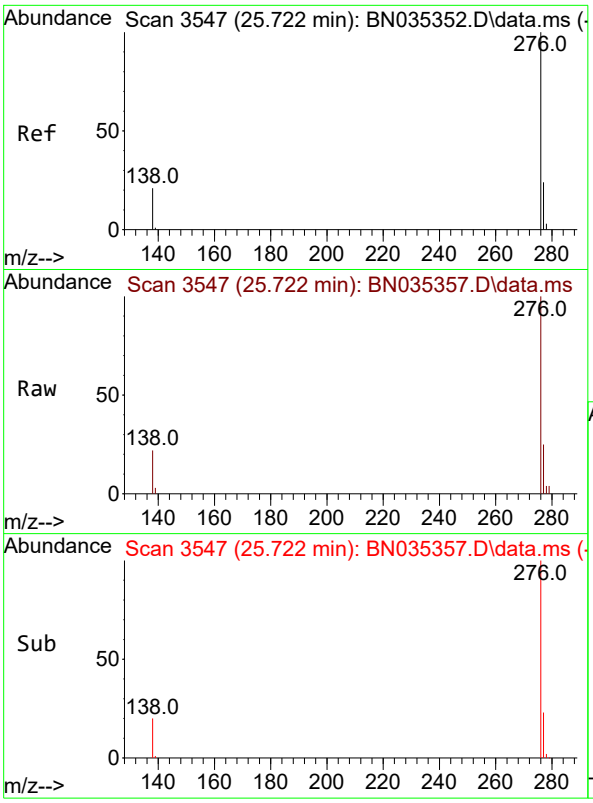


#40
Dibenzo(a,h)anthracene
Concen: 0.433 ng
RT: 25.123 min Scan# 3342
Delta R.T. -0.003 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Tgt Ion:278 Resp: 11141

Ion	Ratio	Lower	Upper
278	100		
139	17.6	14.2	21.4
279	25.6	20.5	30.7



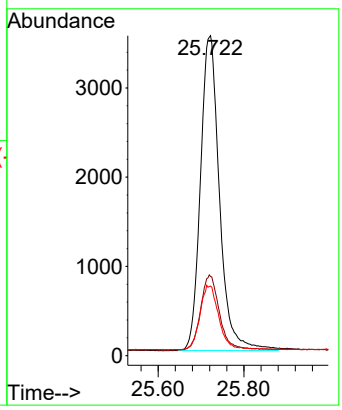


#41
Benzo(g,h,i)perylene
Concen: 0.404 ng
RT: 25.722 min Scan# 3
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Instrument :
BNA_N
ClientSampleId :
ICVBN112724

Tgt Ion:276 Resp: 10870

Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.9	29.9
138	21.7	17.8	26.8



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035712.D
Acq On : 19 Dec 2024 19:23
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Dec 19 23:11:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

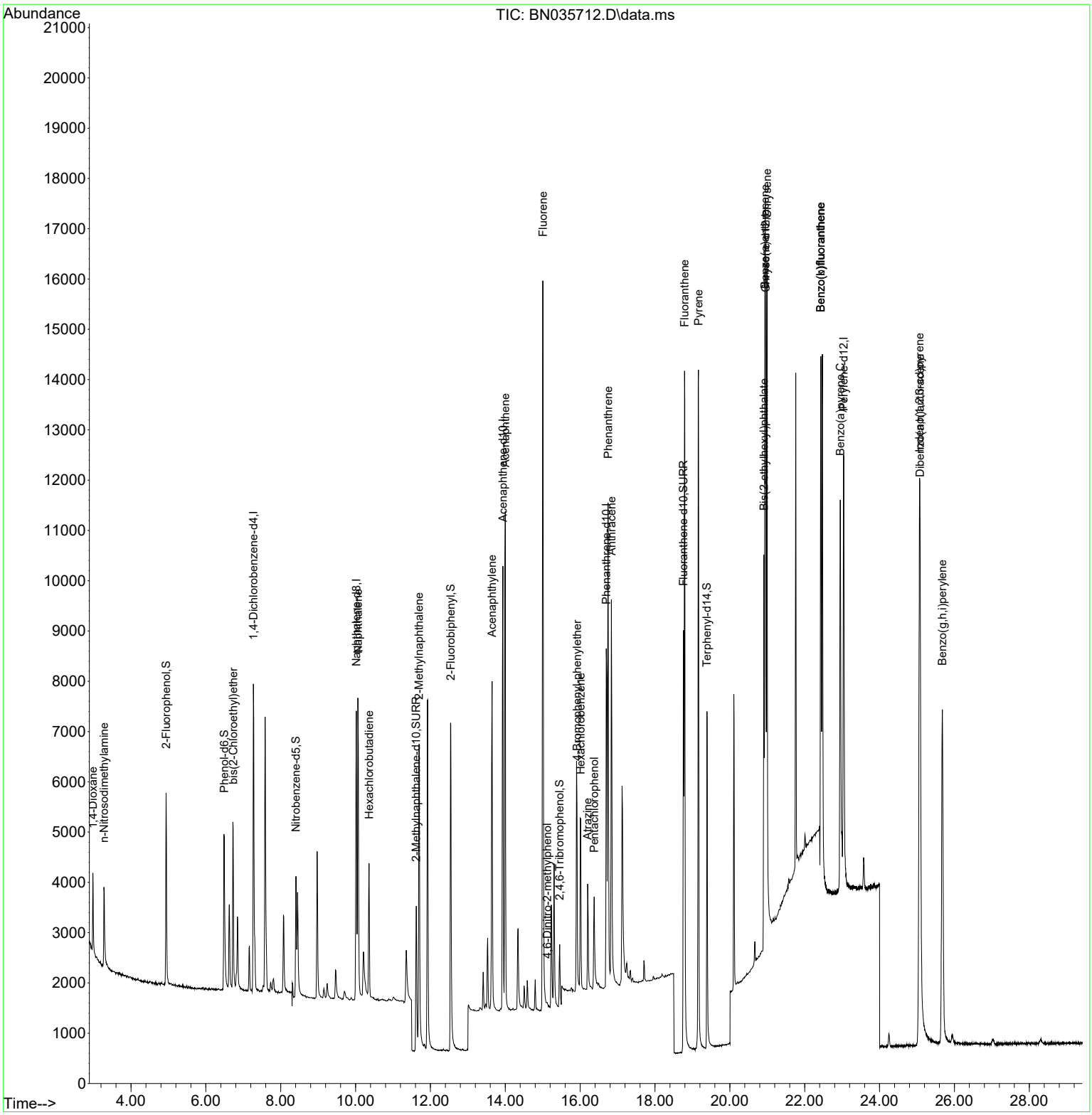
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.272	152	3021	0.400	ng		0.00
7) Naphthalene-d8	10.020	136	8329	0.400	ng	#	0.00
13) Acenaphthene-d10	13.935	164	5302	0.400	ng		0.00
19) Phenanthrene-d10	16.698	188	11375	0.400	ng	#	0.00
29) Chrysene-d12	20.956	240	9644	0.400	ng		0.00
35) Perylene-d12	23.041	264	11002	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	4.939	112	3171	0.419	ng		0.00
5) Phenol-d6	6.492	99	3686	0.405	ng		0.00
8) Nitrobenzene-d5	8.408	82	2612	0.513	ng		0.00
11) 2-Methylnaphthalene-d10	11.621	152	4946	0.379	ng		0.00
14) 2,4,6-Tribromophenol	15.453	330	1310	0.348	ng		0.00
15) 2-Fluorobiphenyl	12.544	172	7499	0.374	ng		0.00
27) Fluoranthene-d10	18.761	212	11047	0.343	ng		0.00
31) Terphenyl-d14	19.389	244	7984	0.420	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.982	88	1212	0.420	ng		94
3) n-Nitrosodimethylamine	3.278	42	961	0.400	ng	#	90
6) bis(2-Chloroethyl)ether	6.730	93	2851	0.373	ng		99
9) Naphthalene	10.063	128	8252	0.376	ng		100
10) Hexachlorobutadiene	10.362	225	2176	0.429	ng	#	99
12) 2-Methylnaphthalene	11.697	142	5543	0.352	ng		100
16) Acenaphthylene	13.647	152	7861	0.353	ng		99
17) Acenaphthene	13.999	154	5291	0.358	ng		98
18) Fluorene	15.004	166	7294	0.345	ng		100
20) 4,6-Dinitro-2-methylph...	15.122	198	96	0.086	ng	#	1
21) 4-Bromophenyl-phenylether	15.916	248	2317	0.348	ng		98
22) Hexachlorobenzene	16.016	284	3215	0.412	ng		97
23) Atrazine	16.202	200	1947	0.411	ng		98
24) Pentachlorophenol	16.376	266	1321	0.389	ng		89
25) Phenanthrene	16.748	178	10836	0.347	ng		100
26) Anthracene	16.835	178	9563	0.338	ng		100
28) Fluoranthene	18.789	202	13173	0.313	ng		100
30) Pyrene	19.161	202	13762	0.387	ng		99
32) Benzo(a)anthracene	20.938	228	11616	0.344	ng		100
33) Chrysene	20.992	228	13207	0.380	ng		99
34) Bis(2-ethylhexyl)phtha...	20.911	149	6603	0.496	ng	#	98
36) Indeno(1,2,3-cd)pyrene	25.067	276	15727	0.366	ng		96
37) Benzo(b)fluoranthene	22.430	252	17502	0.435	ng		97
38) Benzo(k)fluoranthene	22.430	252	17502	0.442	ng		98
39) Benzo(a)pyrene	22.951	252	11908	0.359	ng		93
40) Dibenzo(a,h)anthracene	25.082	278	12408	0.366	ng		97
41) Benzo(g,h,i)perylene	25.678	276	13508	0.381	ng		98

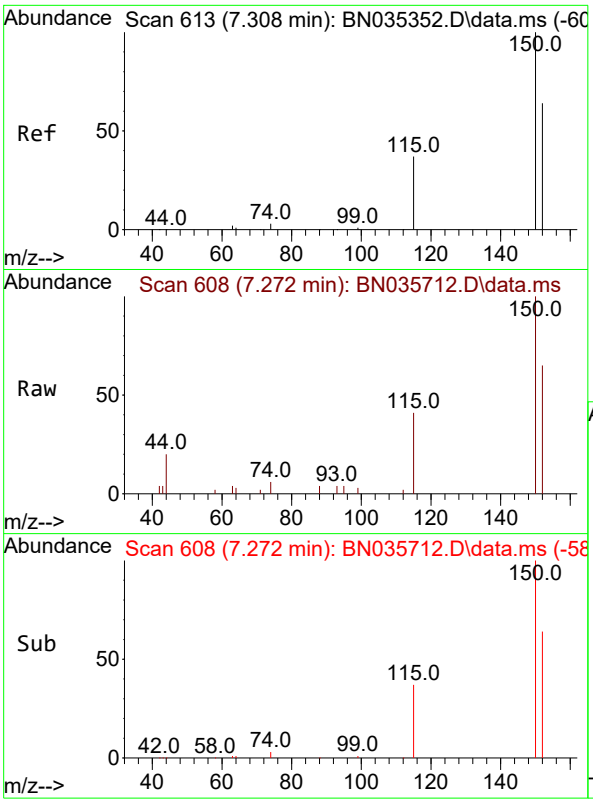
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035712.D
Acq On : 19 Dec 2024 19:23
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Dec 19 23:11:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration



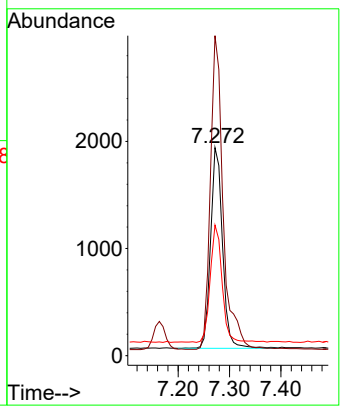


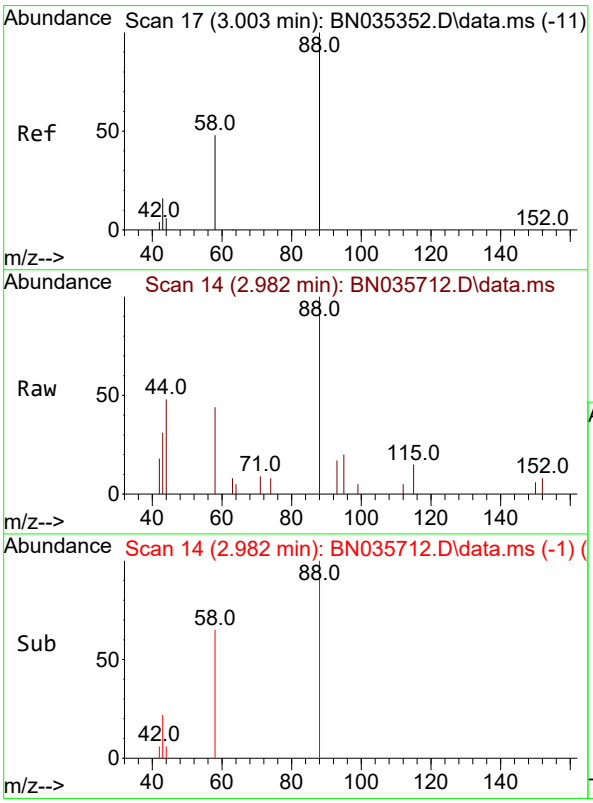
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.272 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 3021

Ion	Ratio	Lower	Upper
152	100		
150	153.8	124.0	186.0
115	62.8	49.6	74.4

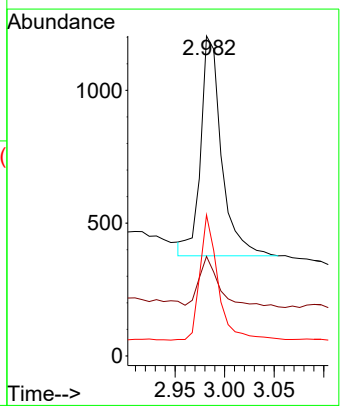


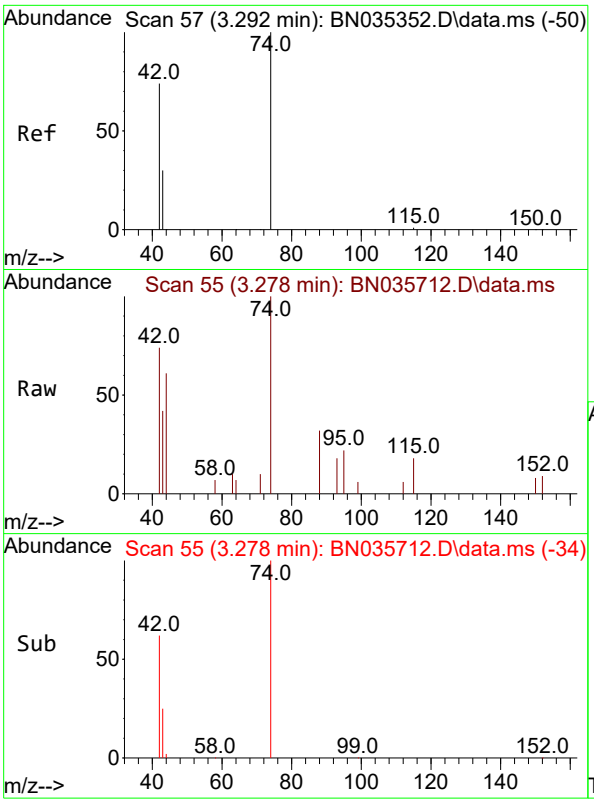


#2
1,4-Dioxane
Concen: 0.420 ng
RT: 2.982 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Tgt Ion: 88 Resp: 1212

Ion	Ratio	Lower	Upper
88	100		
43	21.9	17.2	25.8
58	49.6	44.5	66.7



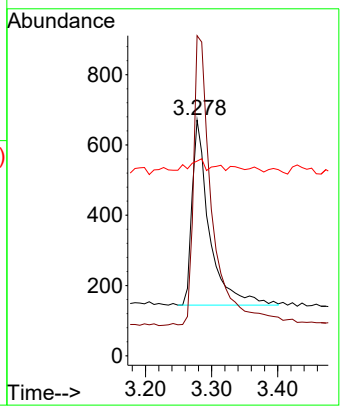


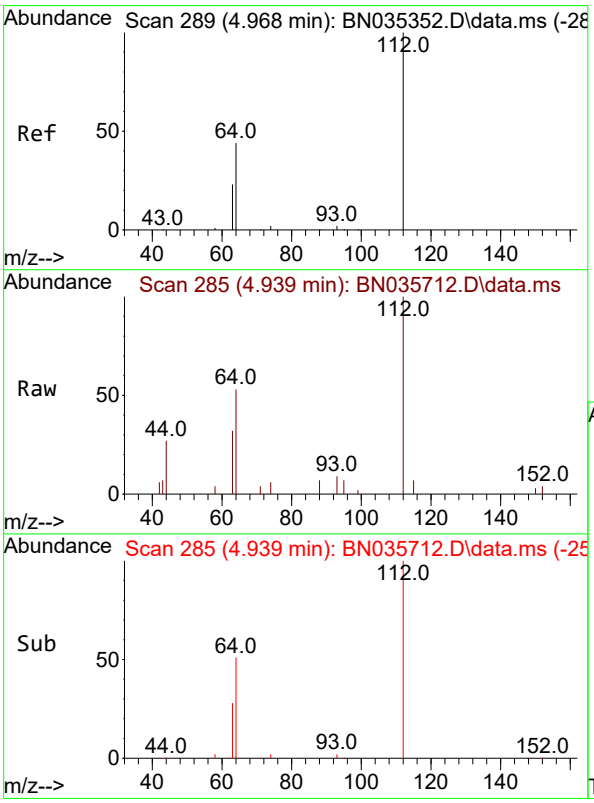
#3
n-Nitrosodimethylamine
Concen: 0.400 ng
RT: 3.278 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 961

Ion	Ratio	Lower	Upper
42	100		
74	169.5	124.9	187.3
44	6.2	2.2	3.4#

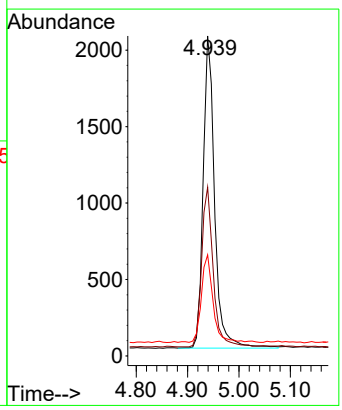


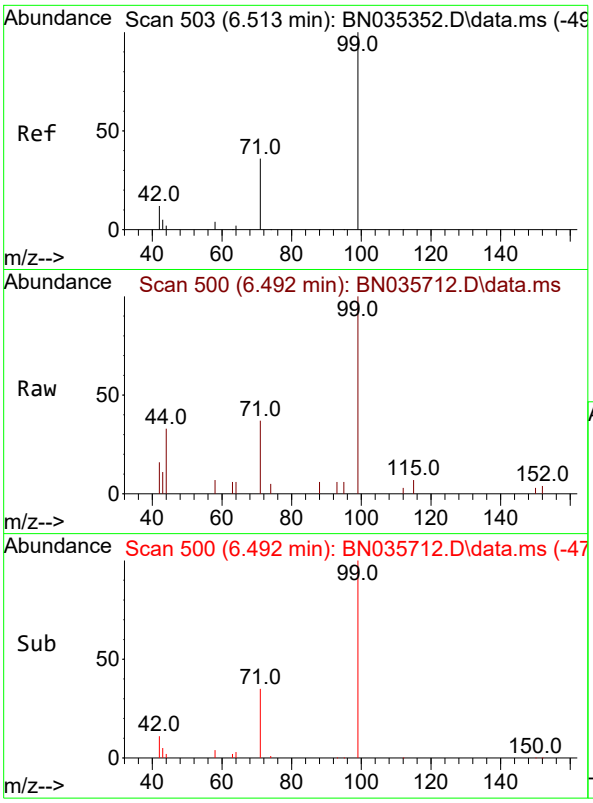


#4
2-Fluorophenol
Concen: 0.419 ng
RT: 4.939 min Scan# 285
Delta R.T. 0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Tgt Ion:112 Resp: 3171

Ion	Ratio	Lower	Upper
112	100		
64	51.6	39.8	59.8
63	28.2	21.0	31.6



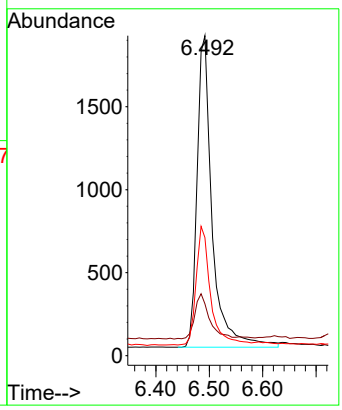


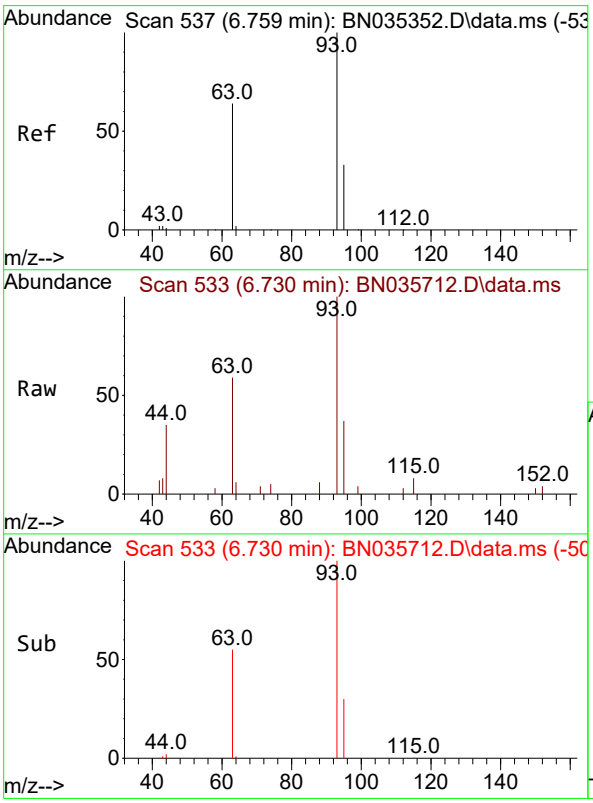
#5
Phenol-d6
Concen: 0.405 ng
RT: 6.492 min Scan# 5(
Delta R.T. 0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 3686

Ion	Ratio	Lower	Upper
99	100		
42	14.3	11.4	17.2
71	36.5	29.3	43.9

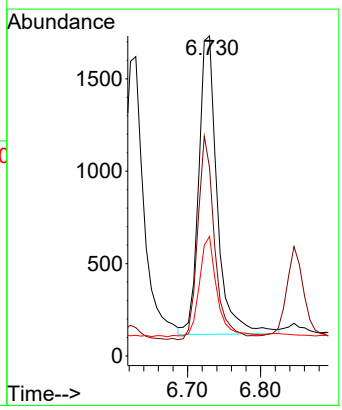


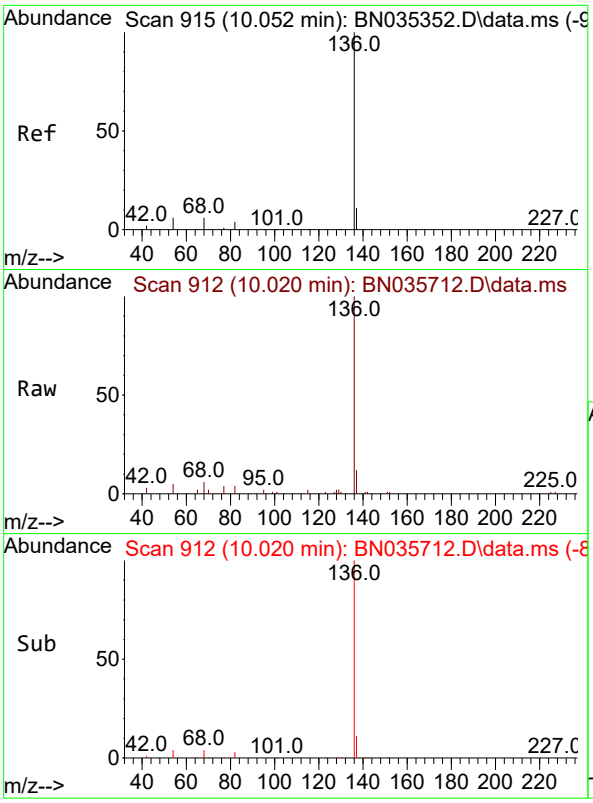


#6
bis(2-Chloroethyl)ether
Concen: 0.373 ng
RT: 6.730 min Scan# 533
Delta R.T. 0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Tgt Ion: 93 Resp: 2851

Ion	Ratio	Lower	Upper
93	100		
63	62.3	50.4	75.6
95	32.0	25.7	38.5



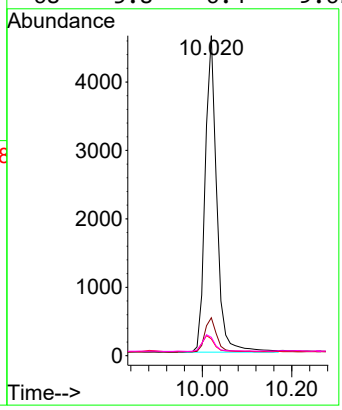


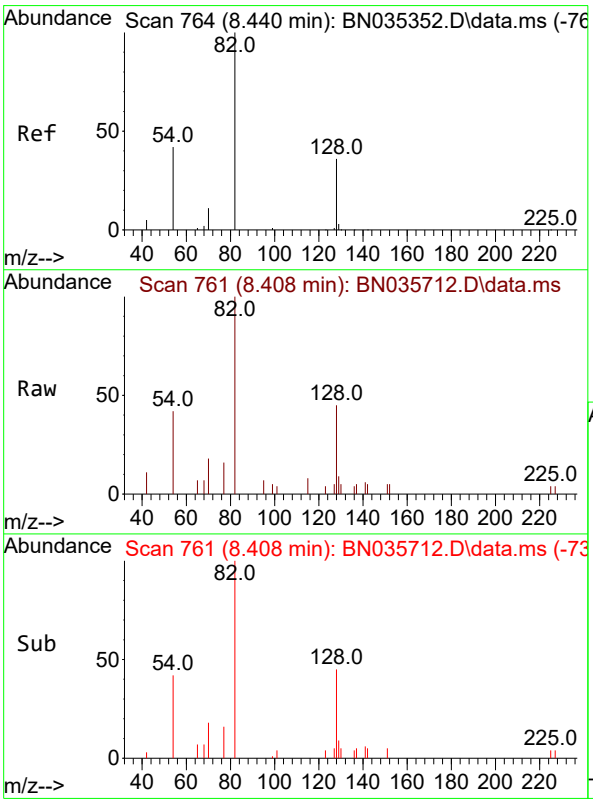
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.020 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 8329

Ion	Ratio	Lower	Upper
136	100		
137	11.8	10.2	15.2
54	5.3	6.1	9.1#
68	5.8	6.4	9.6#

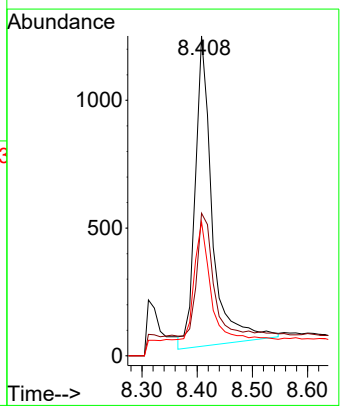


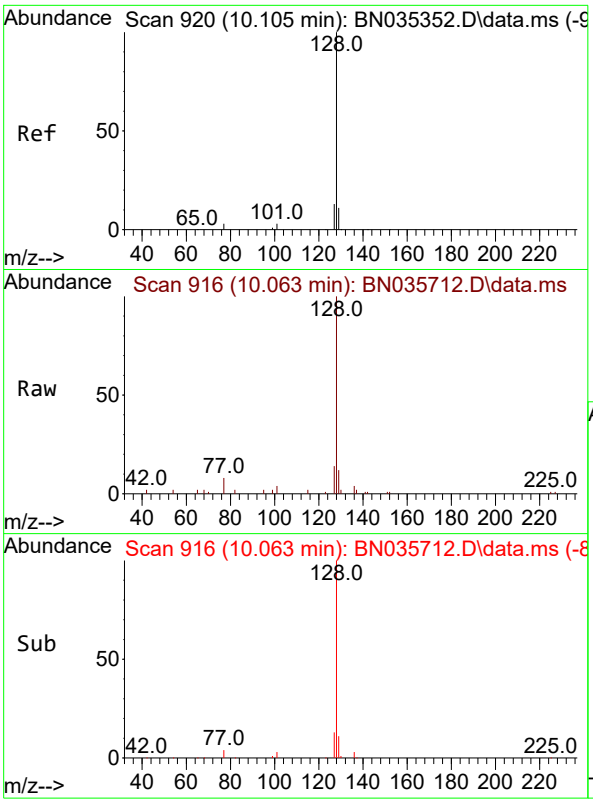


#8
Nitrobenzene-d5
Concen: 0.513 ng
RT: 8.408 min Scan# 761
Delta R.T. 0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Tgt Ion: 82 Resp: 2612

Ion	Ratio	Lower	Upper
82	100		
128	44.6	33.4	50.0
54	41.9	36.7	55.1



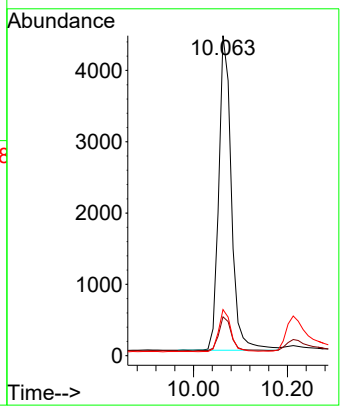


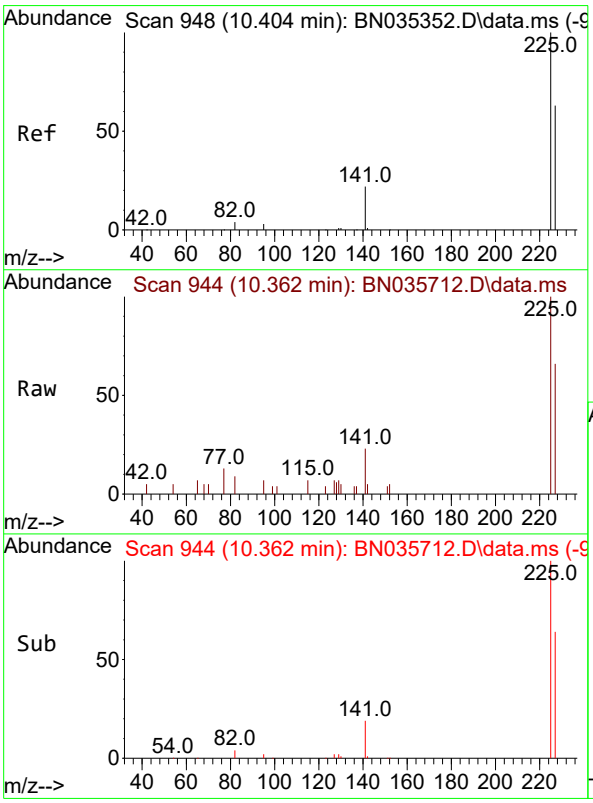
#9
Naphthalene
Concen: 0.376 ng
RT: 10.063 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 8252

Ion	Ratio	Lower	Upper
128	100		
129	12.2	9.8	14.6
127	14.4	11.4	17.2

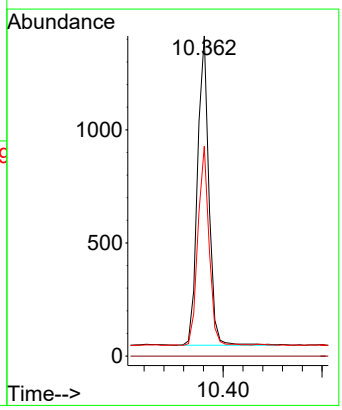


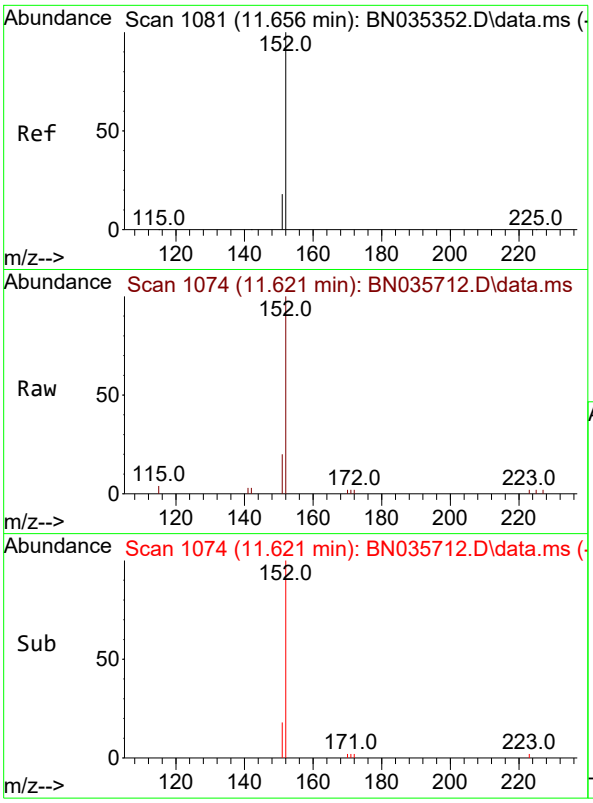


#10
Hexachlorobutadiene
Concen: 0.429 ng
RT: 10.362 min Scan# 944
Delta R.T. 0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Tgt Ion:225 Resp: 2176

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.3	51.3	76.9



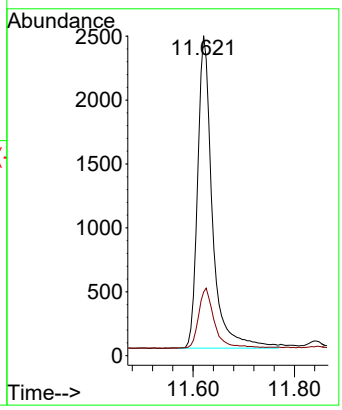


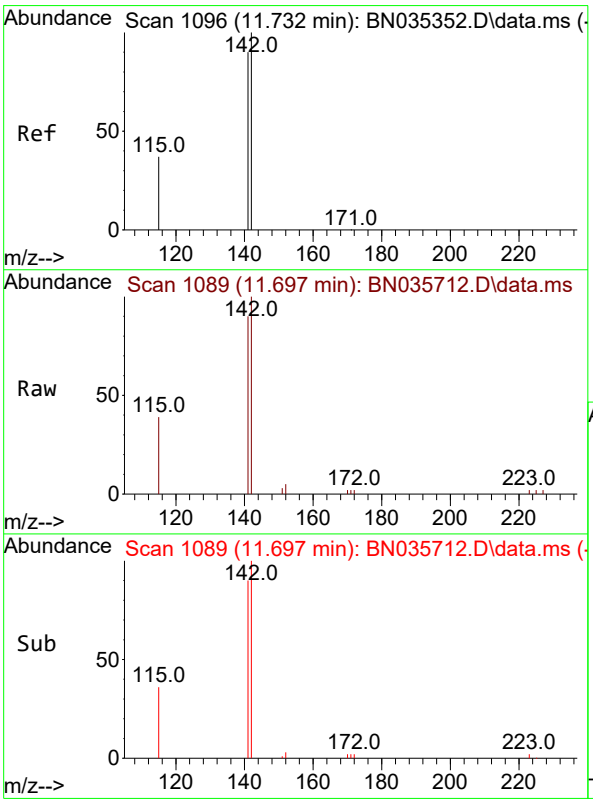
#11
2-Methylnaphthalene-d10
Concen: 0.379 ng
RT: 11.621 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 4946

Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.6	25.0

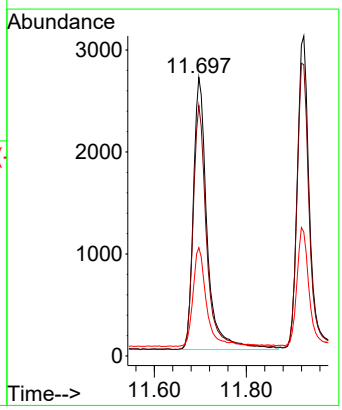


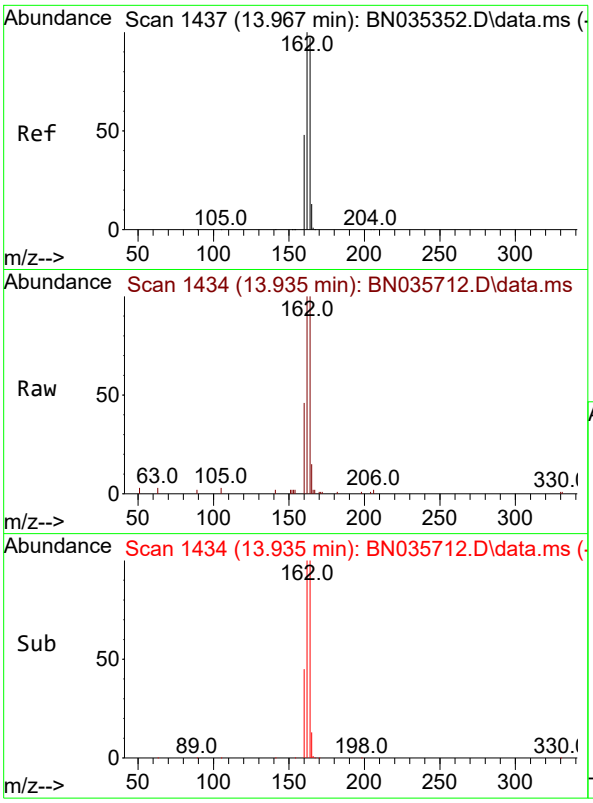


#12
2-Methylnaphthalene
Concen: 0.352 ng
RT: 11.697 min Scan# 1089
Delta R.T. 0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Tgt Ion:142 Resp: 5543

Ion	Ratio	Lower	Upper
142	100		
141	89.9	72.2	108.4
115	38.9	31.4	47.0



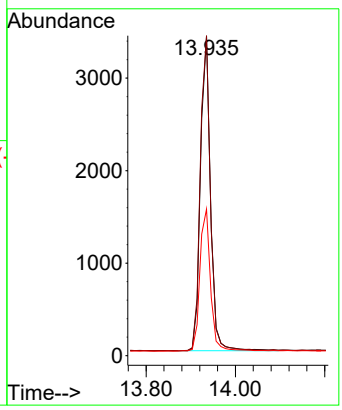


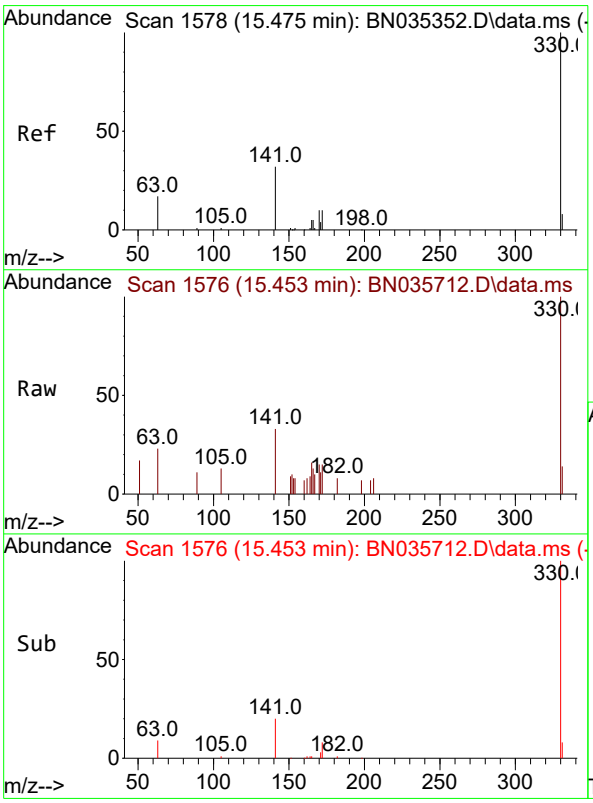
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.935 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 5302

Ion	Ratio	Lower	Upper
164	100		
162	100.2	82.2	123.2
160	45.9	40.1	60.1

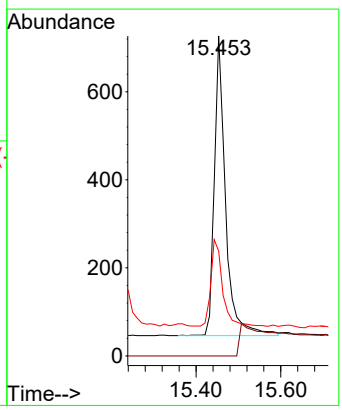


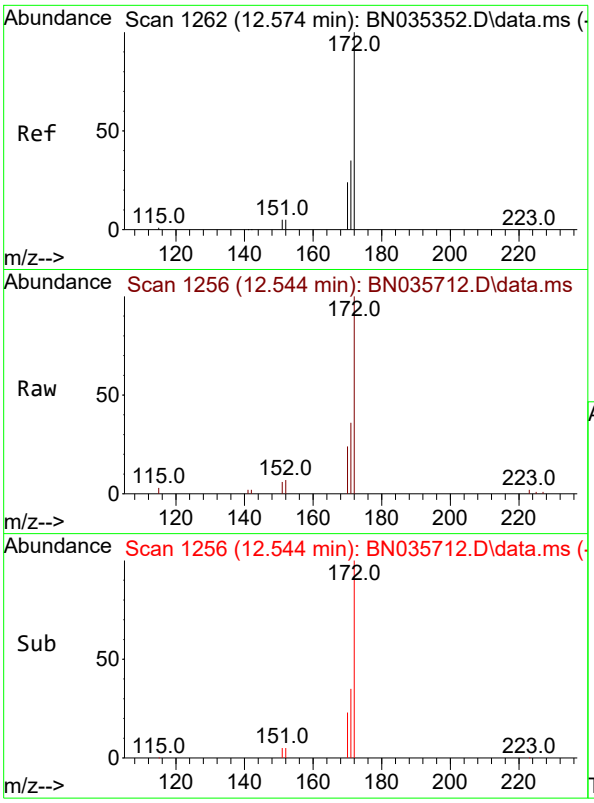


#14
2,4,6-Tribromophenol
Concen: 0.348 ng
RT: 15.453 min Scan# 1576
Delta R.T. 0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Tgt Ion:330 Resp: 1310

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	30.3	26.6	40.0



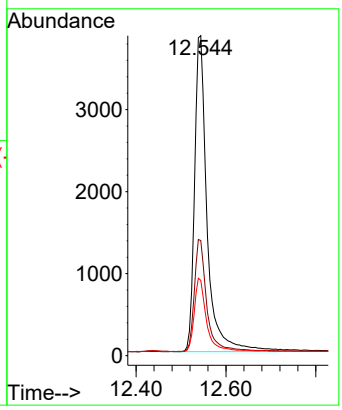


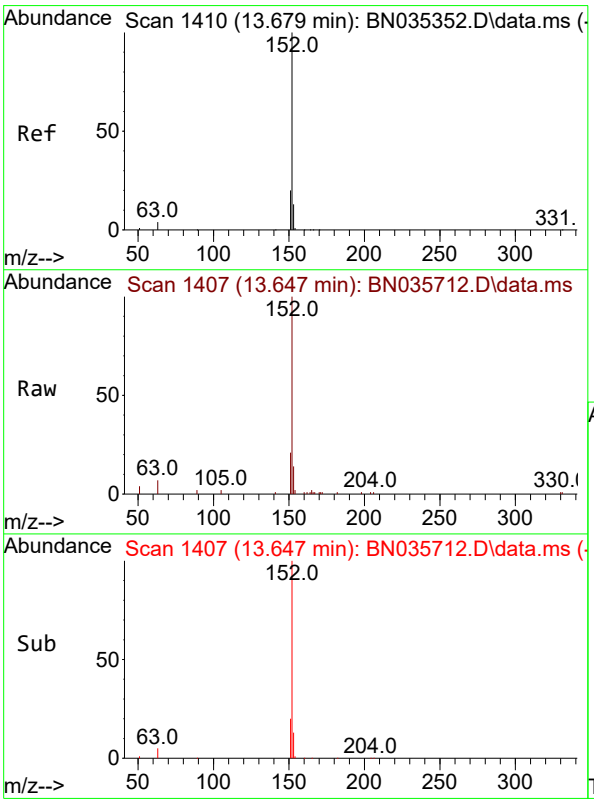
#15
2-Fluorobiphenyl
Concen: 0.374 ng
RT: 12.544 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 7499

Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.0	43.4
170	23.6	19.8	29.8

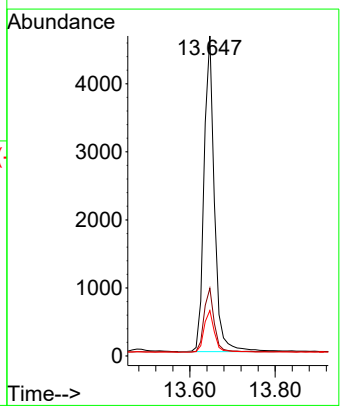


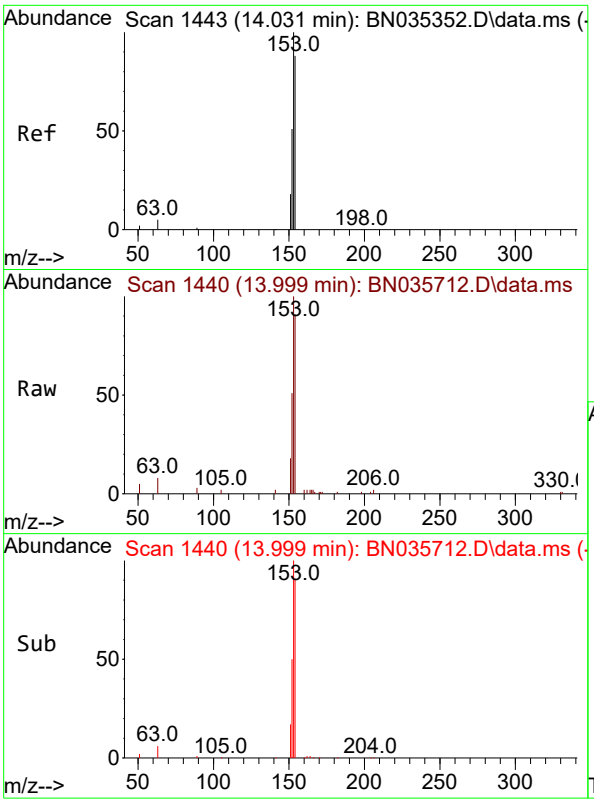


#16
Acenaphthylene
Concen: 0.353 ng
RT: 13.647 min Scan# 1407
Delta R.T. 0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Tgt Ion:152 Resp: 7861

Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.2	24.2
153	13.5	10.4	15.6



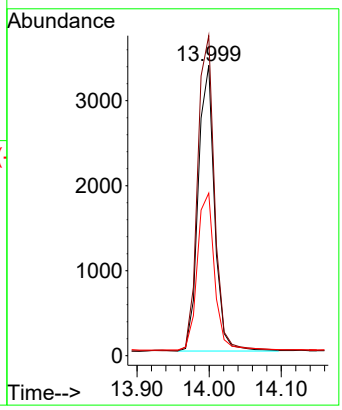


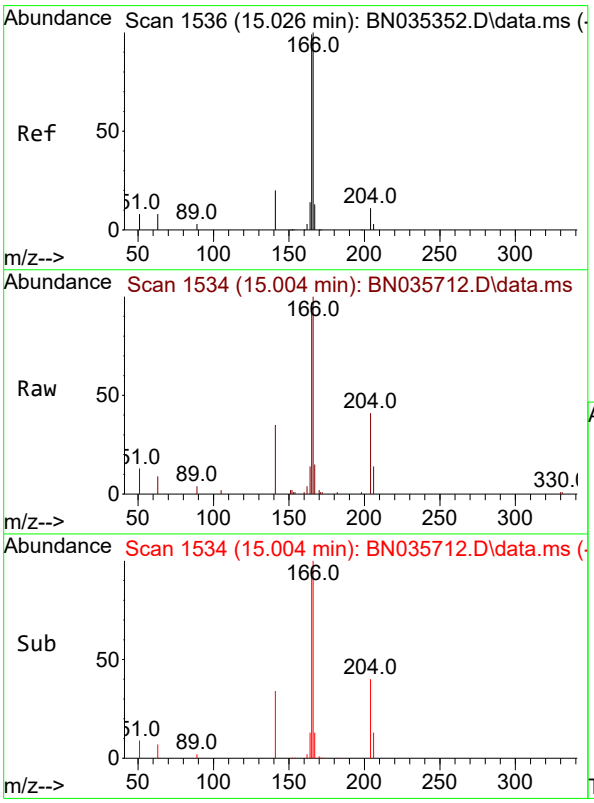
#17
Acenaphthene
Concen: 0.358 ng
RT: 13.999 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 5291

Ion	Ratio	Lower	Upper
154	100		
153	114.7	92.6	139.0
152	58.7	49.0	73.6

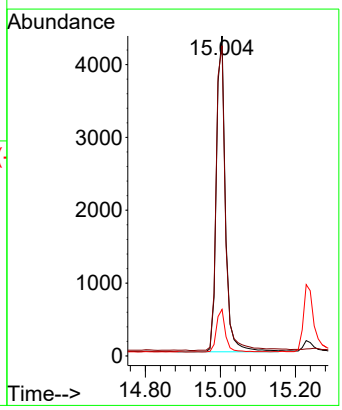


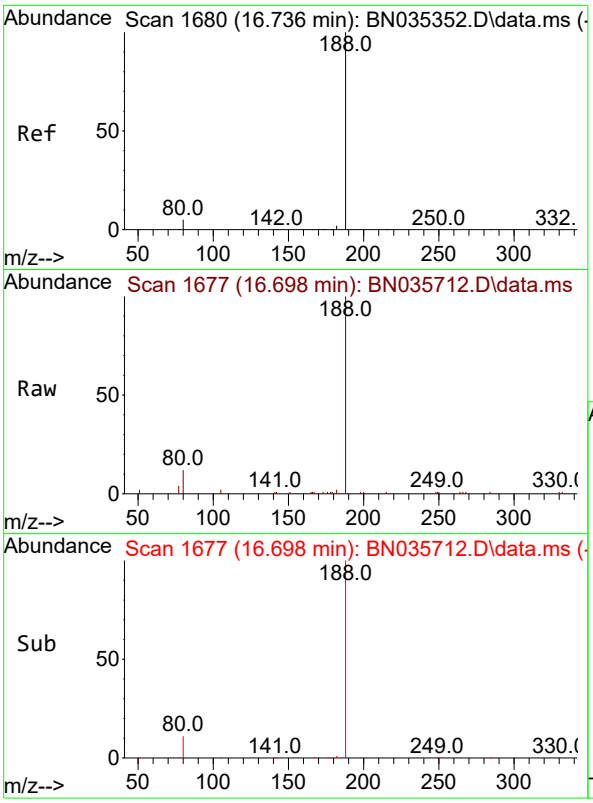


#18
Fluorene
Concen: 0.345 ng
RT: 15.004 min Scan# 1534
Delta R.T. 0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Tgt Ion:166 Resp: 7294

Ion	Ratio	Lower	Upper
166	100		
165	99.1	79.7	119.5
167	13.7	10.8	16.2



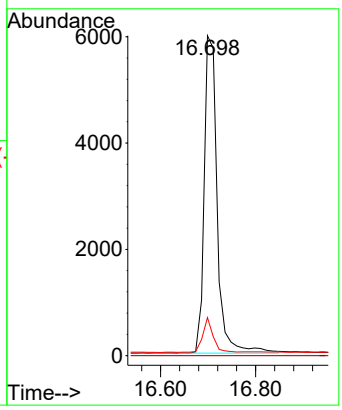


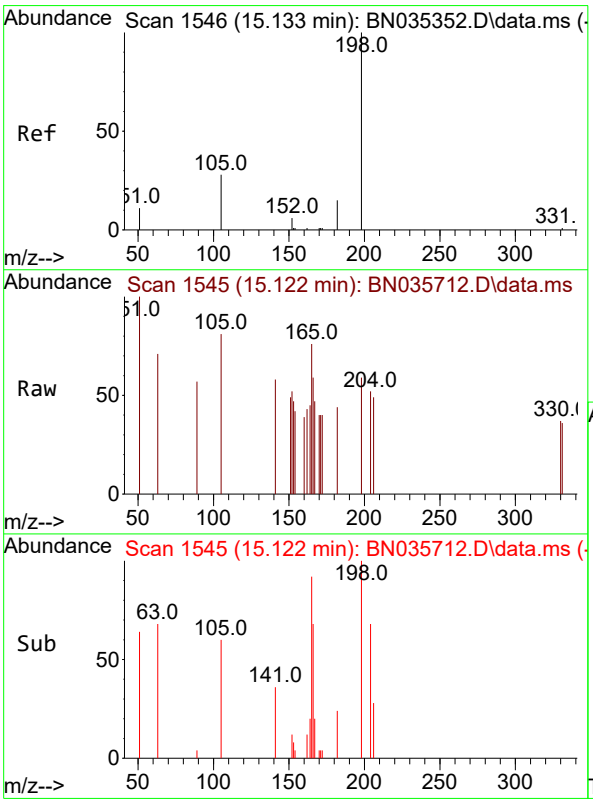
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 11375

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.9	4.6	6.8#

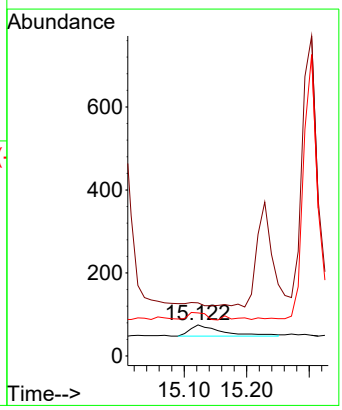


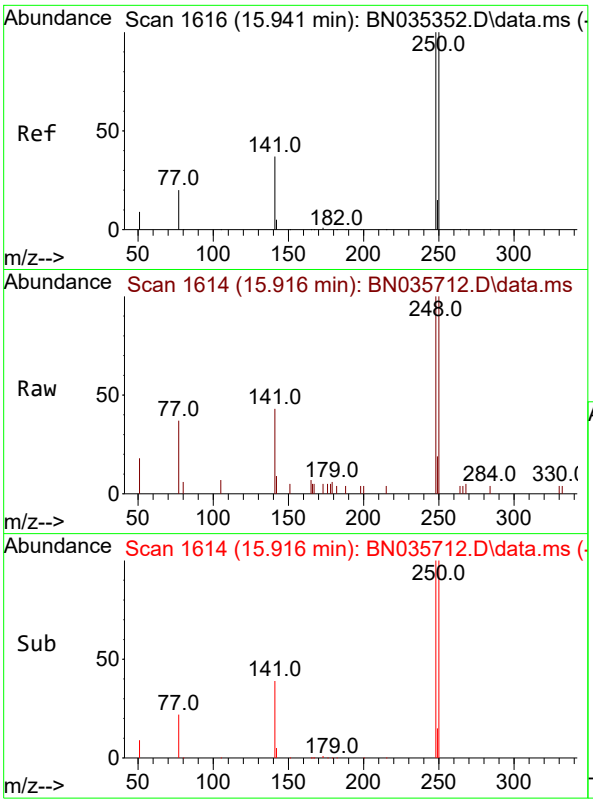


#20
4,6-Dinitro-2-methylphenol
Concen: 0.086 ng
RT: 15.122 min Scan# 1545
Delta R.T. 0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Tgt Ion:198 Resp: 96

Ion	Ratio	Lower	Upper
198	100		
51	170.7	46.5	69.7#
105	138.7	45.3	67.9#



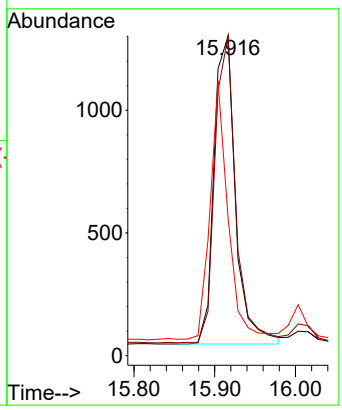


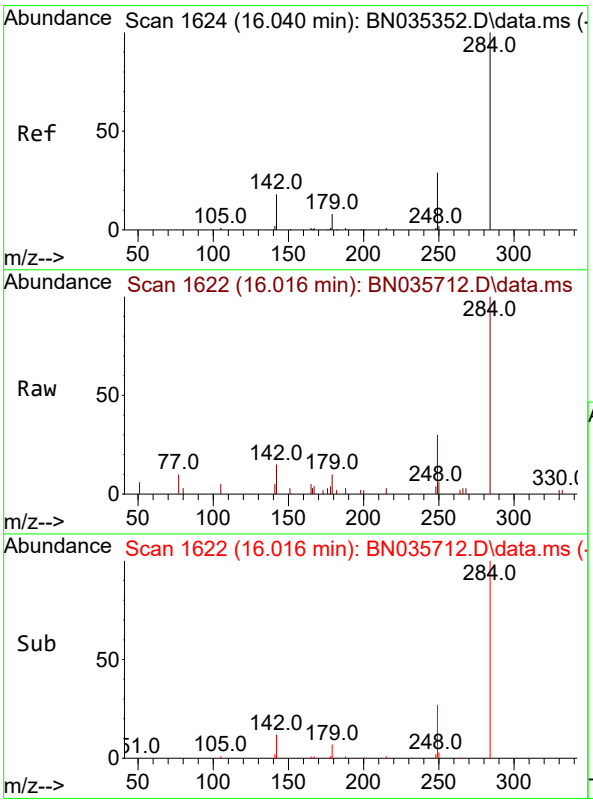
#21
4-Bromophenyl-phenylether
Concen: 0.348 ng
RT: 15.916 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:248 Resp: 2317

Ion	Ratio	Lower	Upper
248	100		
250	100.1	80.6	120.8
141	42.8	31.5	47.3

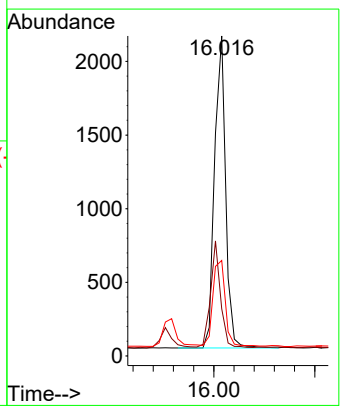


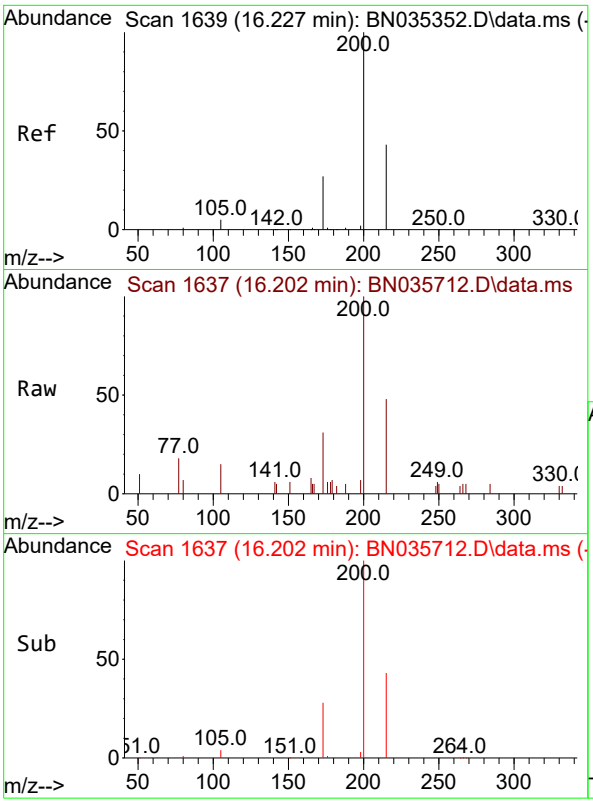


#22
Hexachlorobenzene
Concen: 0.412 ng
RT: 16.016 min Scan# 1622
Delta R.T. 0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Tgt Ion:284 Resp: 3215

Ion	Ratio	Lower	Upper
284	100		
142	30.7	26.7	40.1
249	30.6	24.6	36.8



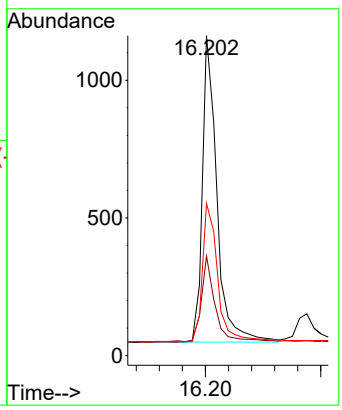


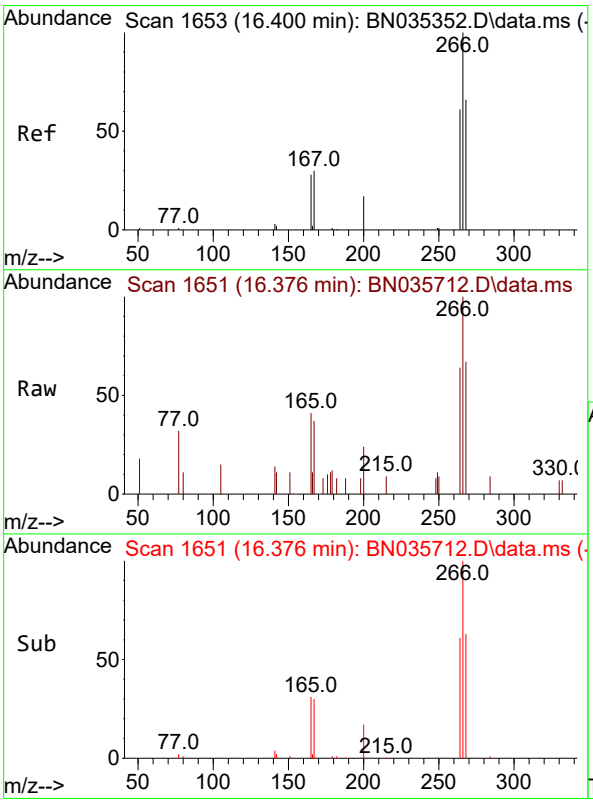
#23
Atrazine
Concen: 0.411 ng
RT: 16.202 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:200 Resp: 1947

Ion	Ratio	Lower	Upper
200	100		
173	31.2	24.1	36.1
215	47.6	36.9	55.3

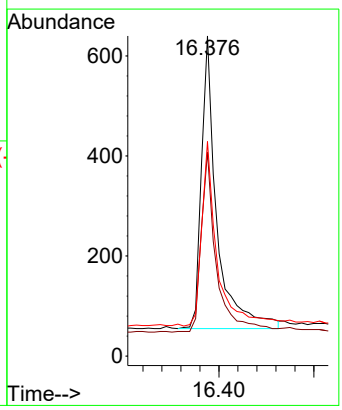


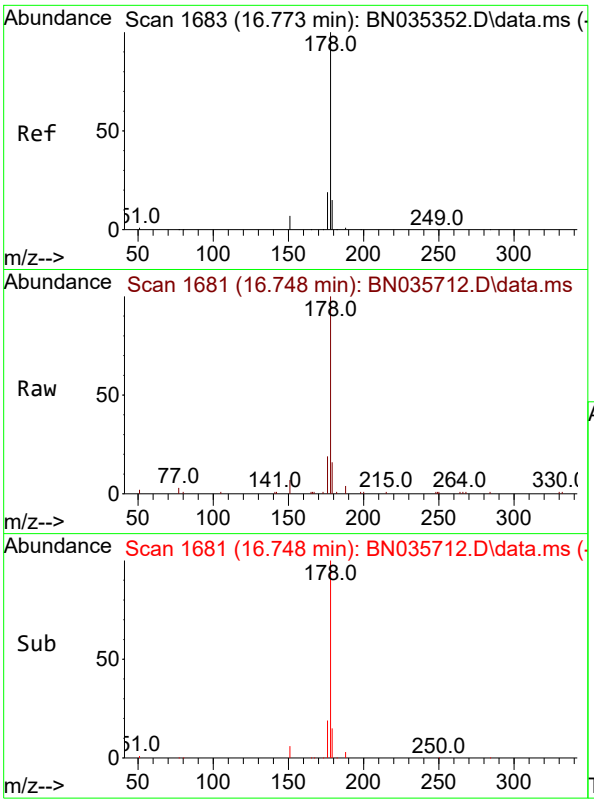


#24
Pentachlorophenol
Concen: 0.389 ng
RT: 16.376 min Scan# 1651
Delta R.T. 0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Tgt Ion:266 Resp: 1321

Ion	Ratio	Lower	Upper
266	100		
264	60.0	42.3	63.5
268	62.8	43.3	64.9



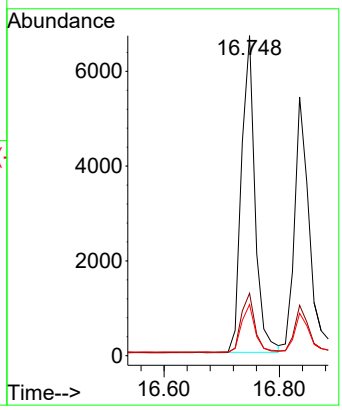


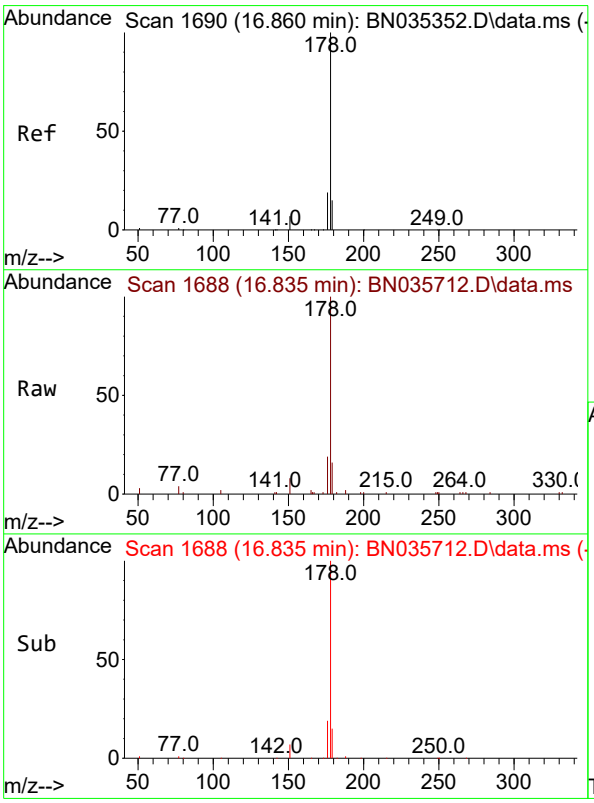
#25
Phenanthrene
Concen: 0.347 ng
RT: 16.748 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 10836

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	15.4	12.3	18.5

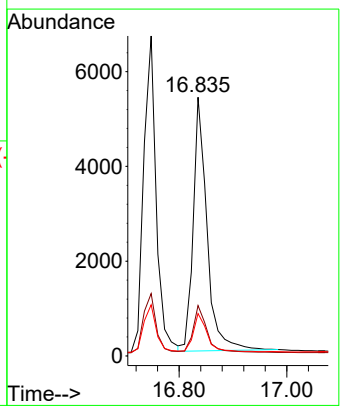


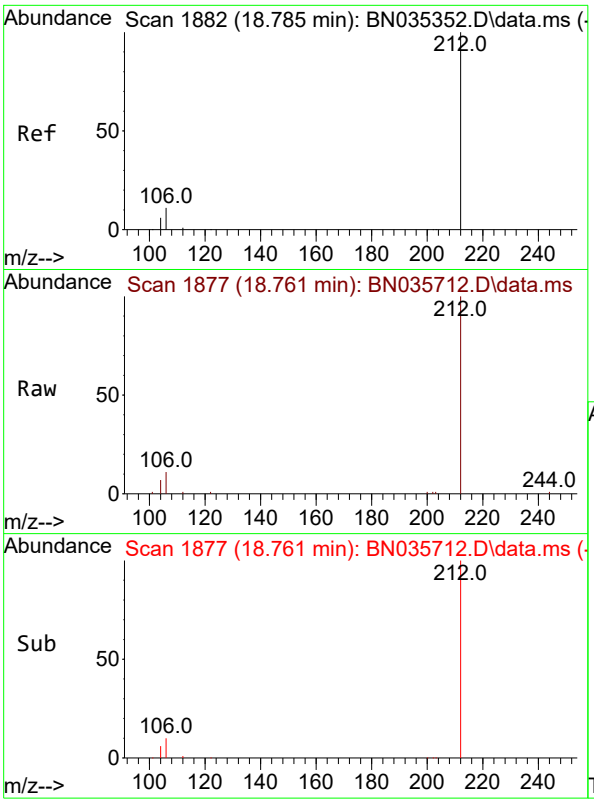


#26
Anthracene
Concen: 0.338 ng
RT: 16.835 min Scan# 1688
Delta R.T. 0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Tgt Ion:178 Resp: 9563

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.6
179	15.4	12.6	18.8



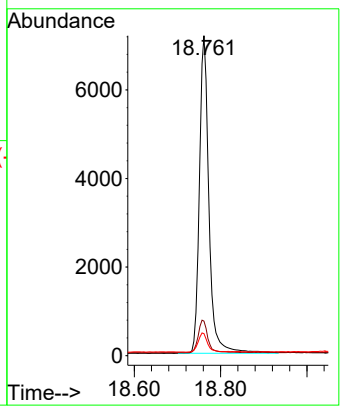


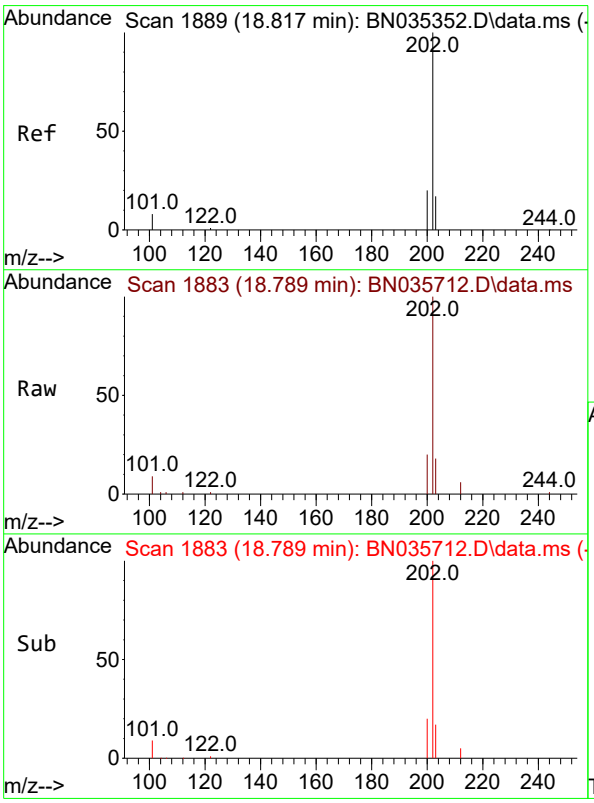
#27
Fluoranthene-d10
Concen: 0.343 ng
RT: 18.761 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 11047

Ion	Ratio	Lower	Upper
212	100		
106	10.4	9.2	13.8
104	6.0	5.3	7.9

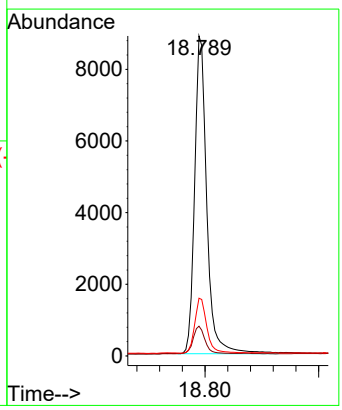


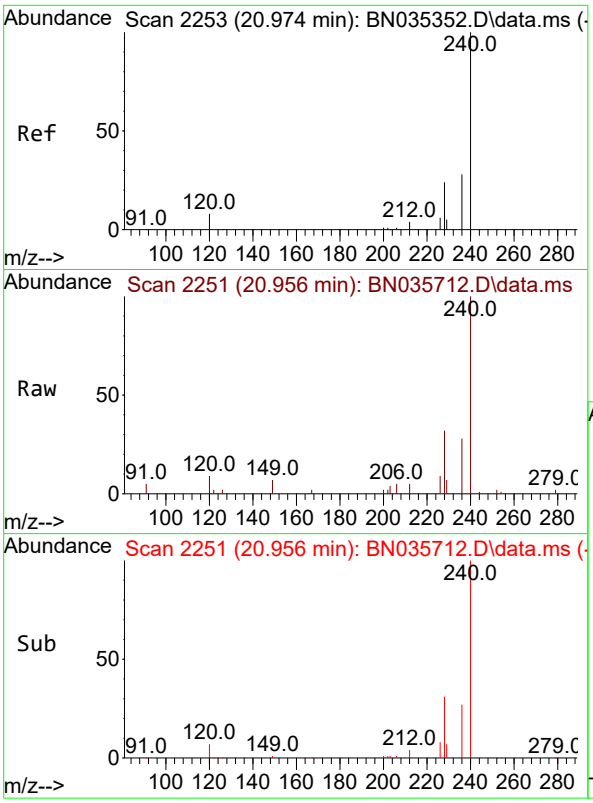


#28
Fluoranthene
Concen: 0.313 ng
RT: 18.789 min Scan# 1883
Delta R.T. 0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Tgt Ion:202 Resp: 13173

Ion	Ratio	Lower	Upper
202	100		
101	9.0	7.4	11.0
203	17.2	13.7	20.5



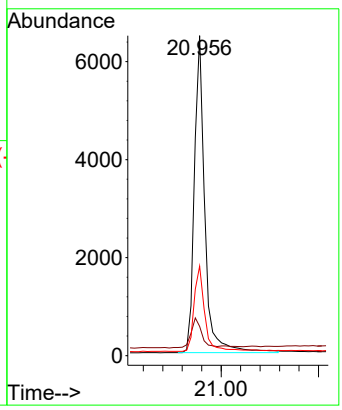


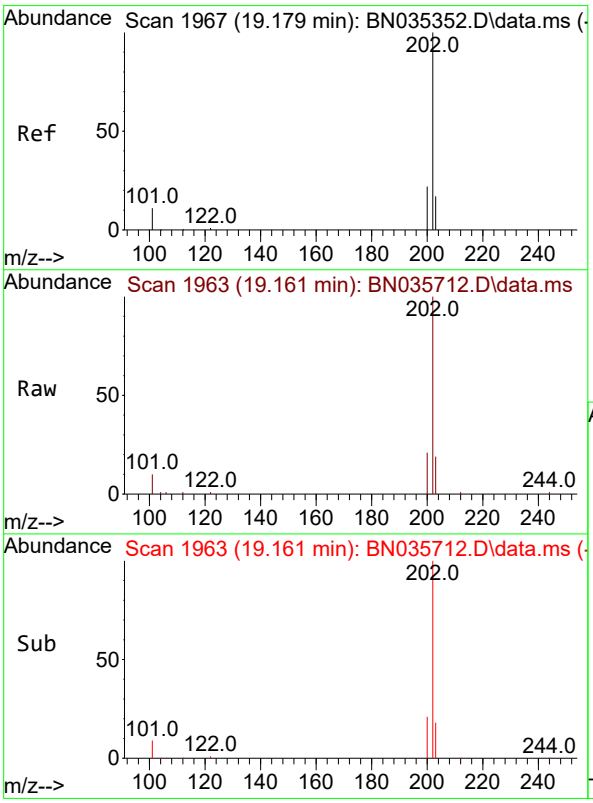
#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.956 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 9644

Ion	Ratio	Lower	Upper
240	100		
120	9.2	7.9	11.9
236	28.0	22.9	34.3

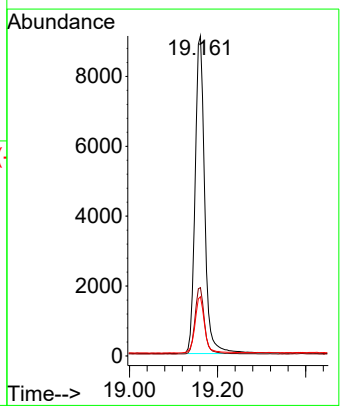


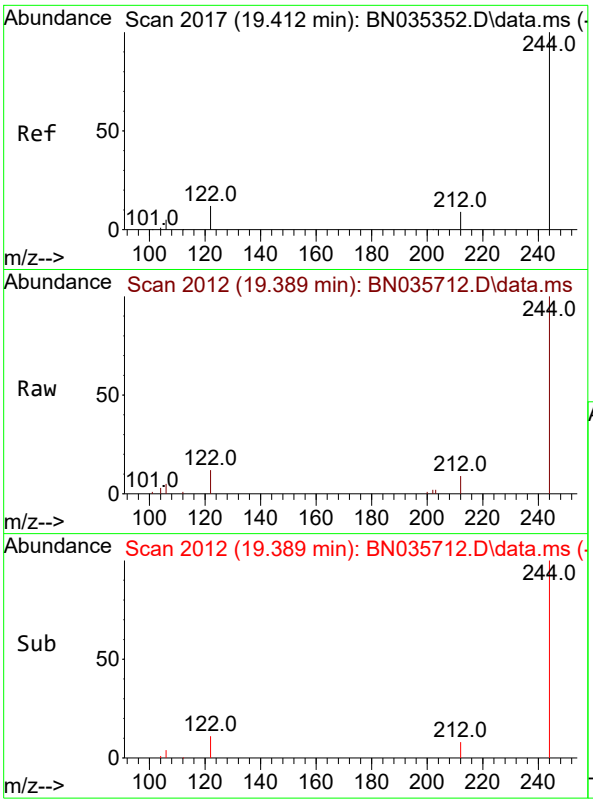


#30
Pyrene
Concen: 0.387 ng
RT: 19.161 min Scan# 1963
Delta R.T. 0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Tgt Ion:202 Resp: 13762

Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.0	25.4
203	17.7	14.3	21.5



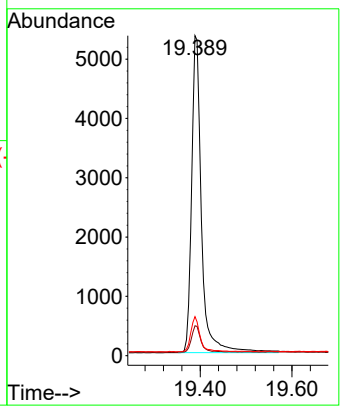


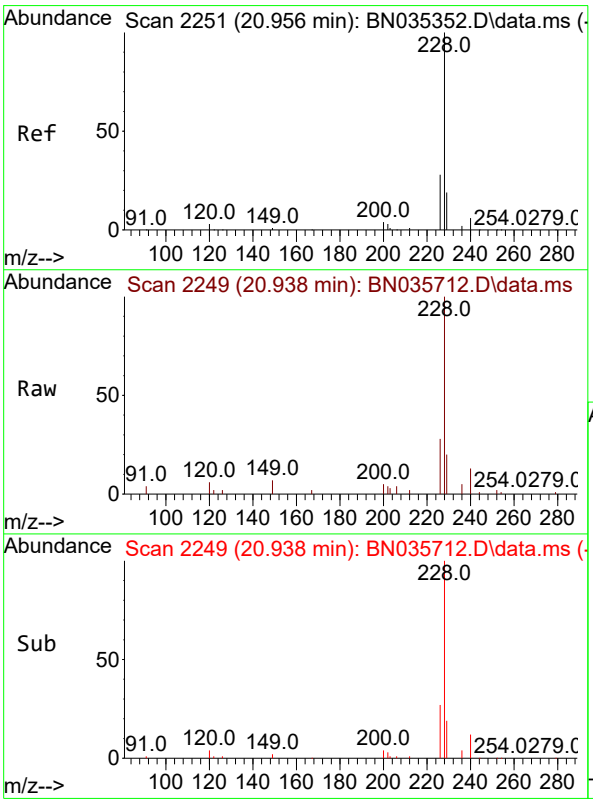
#31
Terphenyl-d14
Concen: 0.420 ng
RT: 19.389 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 7984

Ion	Ratio	Lower	Upper
244	100		
212	9.4	8.1	12.1
122	12.2	10.3	15.5

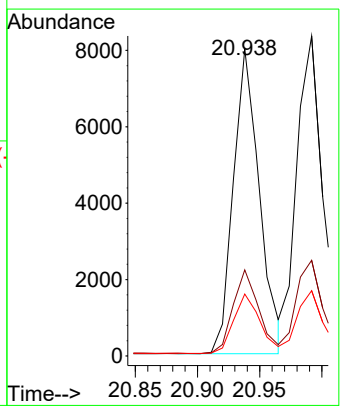


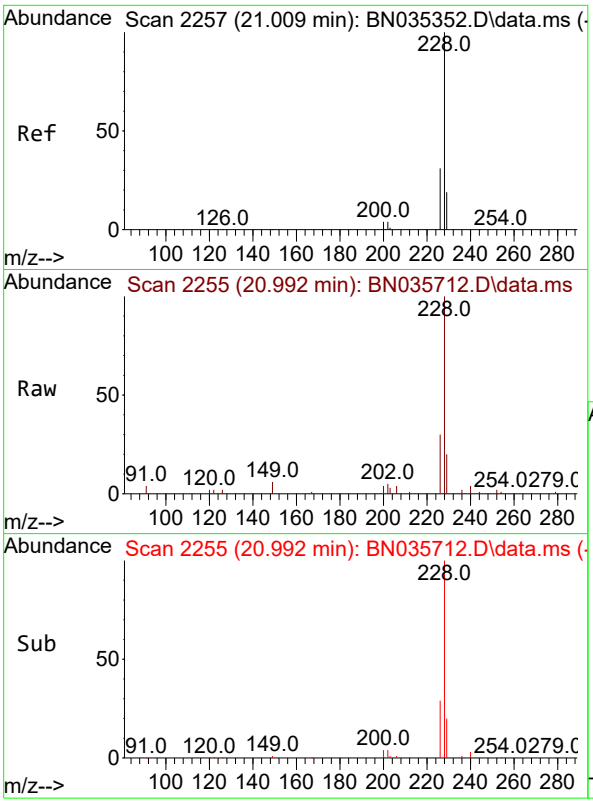


#32
Benzo(a)anthracene
Concen: 0.344 ng
RT: 20.938 min Scan# 2249
Delta R.T. 0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Tgt Ion:228 Resp: 11616

Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.5	33.7
229	20.2	15.8	23.8



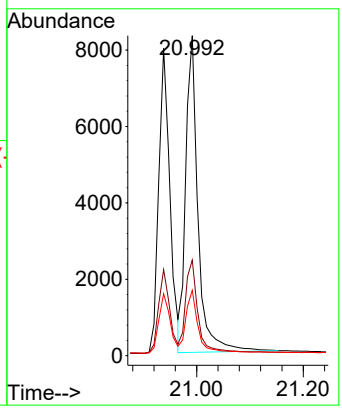


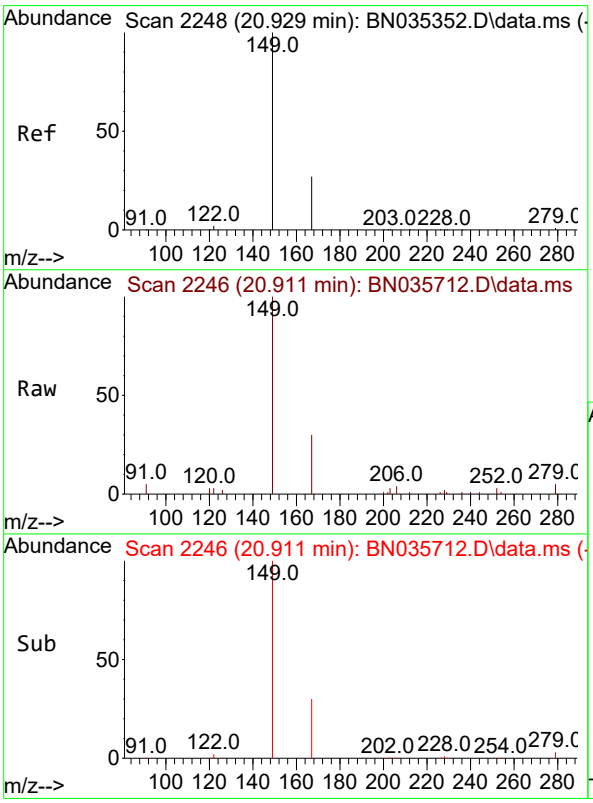
#33
Chrysene
Concen: 0.380 ng
RT: 20.992 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 13207

Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.6	37.0
229	20.4	15.9	23.9

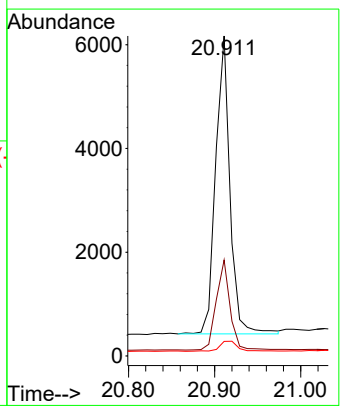


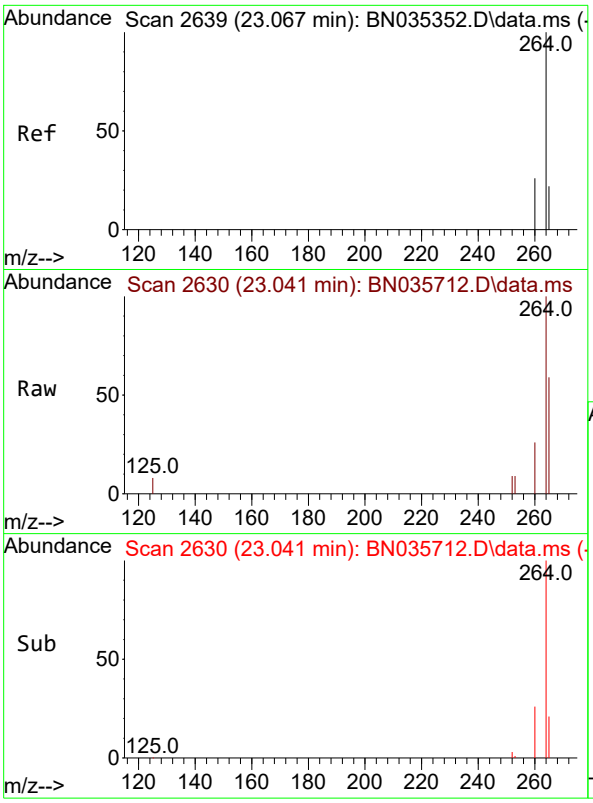


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.496 ng
RT: 20.911 min Scan# 2246
Delta R.T. 0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Tgt Ion:149 Resp: 6603

Ion	Ratio	Lower	Upper
149	100		
167	29.0	22.2	33.4
279	4.2	2.7	4.1#



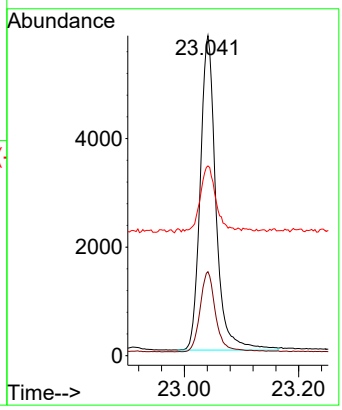


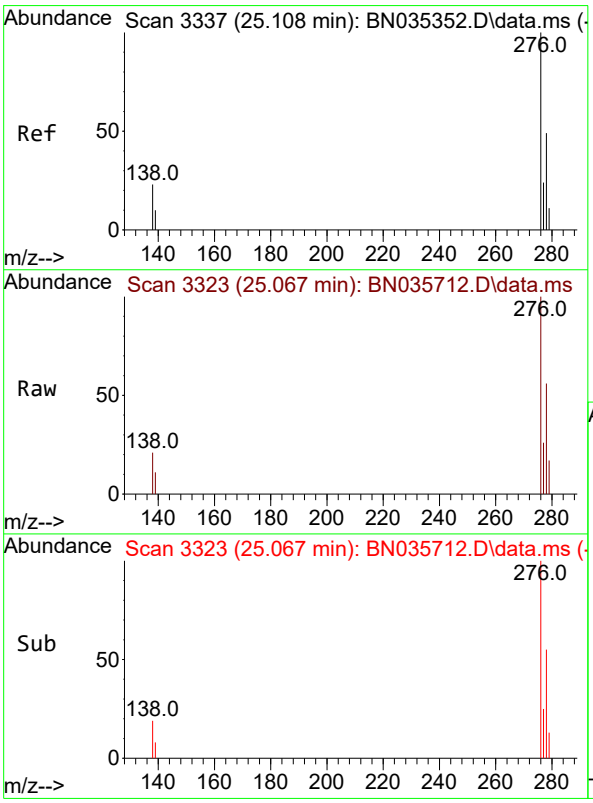
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.041 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:264 Resp: 11002

Ion	Ratio	Lower	Upper
264	100		
260	26.3	21.4	32.2
265	59.3	40.2	60.4

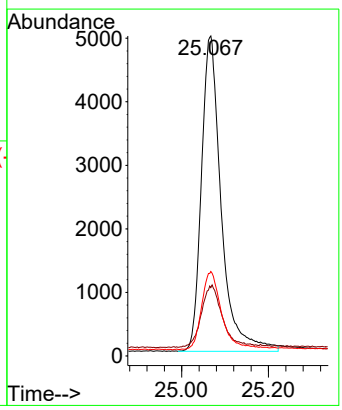


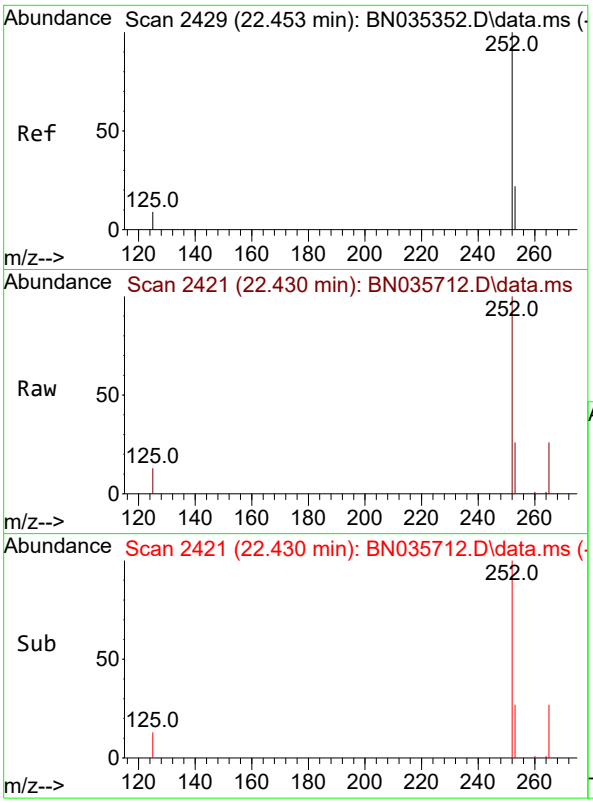


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.366 ng
RT: 25.067 min Scan# 3323
Delta R.T. 0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Tgt Ion:276 Resp: 15727

Ion	Ratio	Lower	Upper
276	100		
138	20.5	19.4	29.0
277	24.8	19.8	29.6



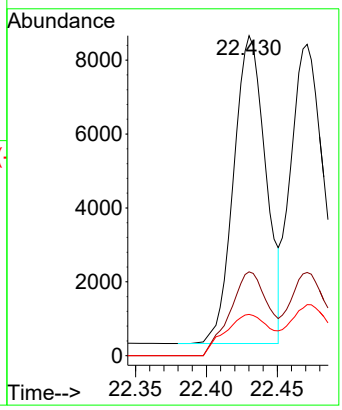


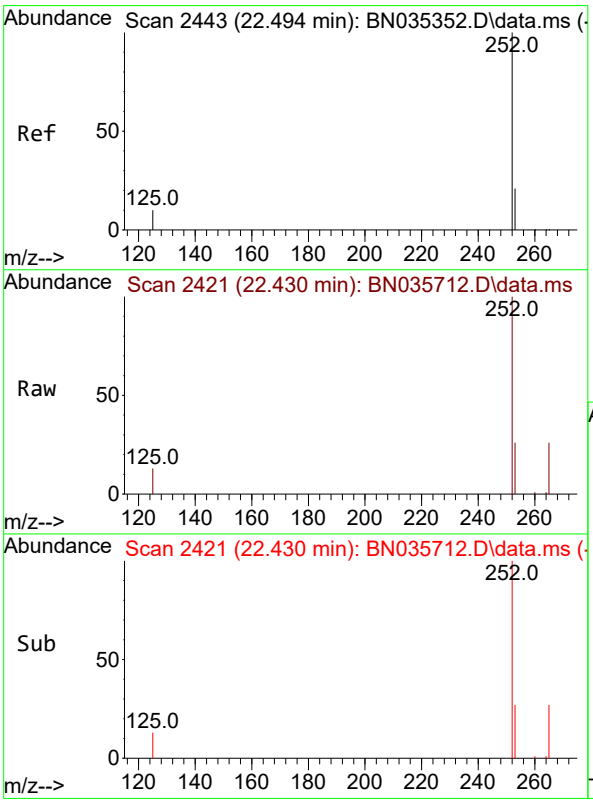
#37
Benzo(b)fluoranthene
Concen: 0.435 ng
RT: 22.430 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 17502

Ion	Ratio	Lower	Upper
252	100		
253	26.2	19.6	29.4
125	12.9	9.6	14.4

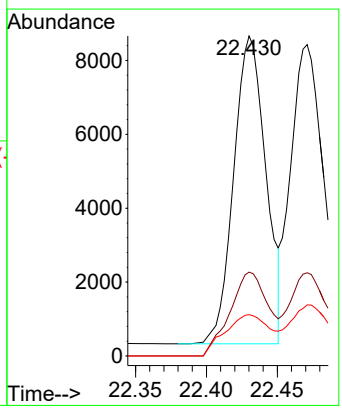


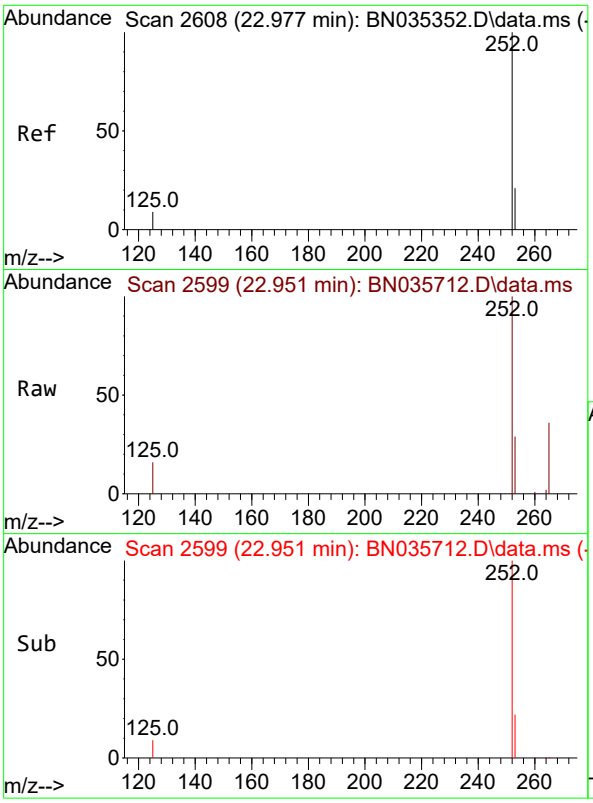


#38
Benzo(k)fluoranthene
Concen: 0.442 ng
RT: 22.430 min Scan# 2421
Delta R.T. -0.041 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Tgt Ion:252 Resp: 17502

Ion	Ratio	Lower	Upper
252	100		
253	26.2	19.5	29.3
125	12.9	10.2	15.4



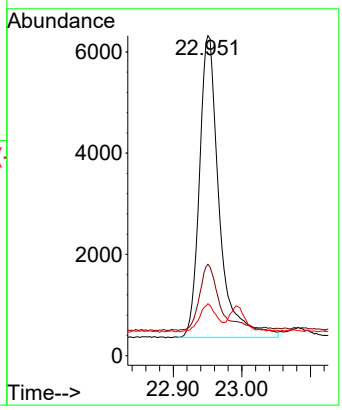


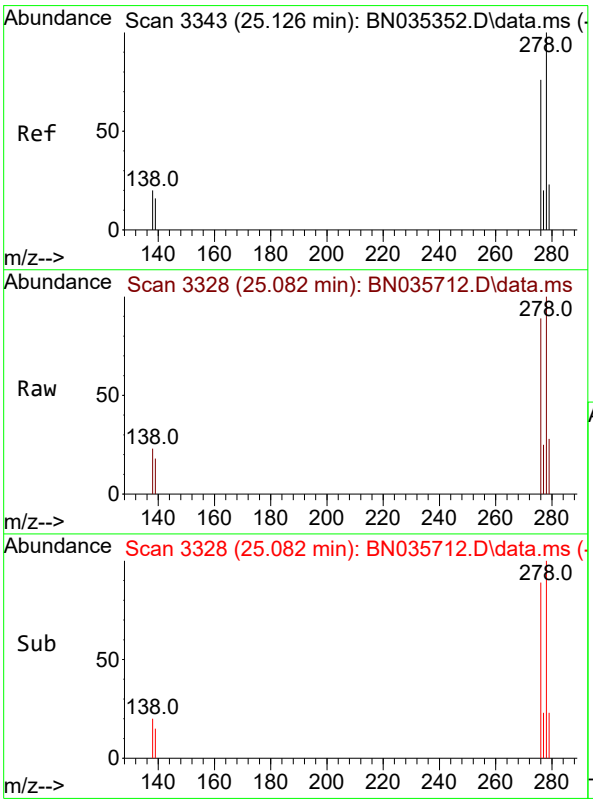
#39
Benzo(a)pyrene
Concen: 0.359 ng
RT: 22.951 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 11908

Ion	Ratio	Lower	Upper
252	100		
253	28.6	20.2	30.4
125	16.2	10.9	16.3

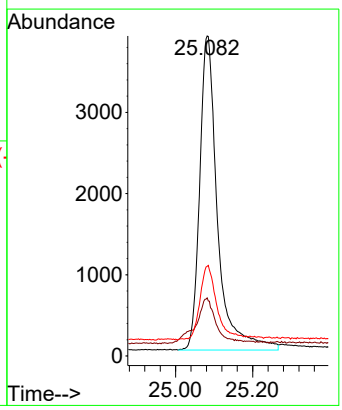


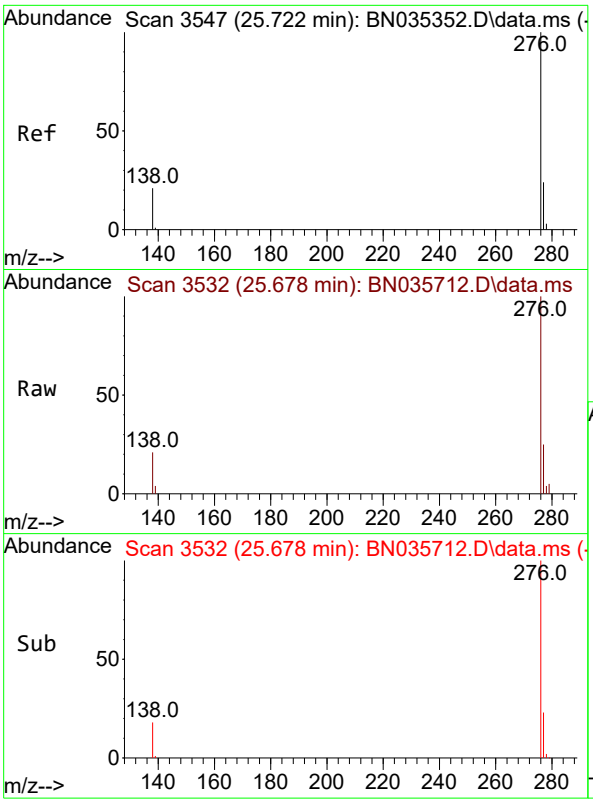


#40
Dibenzo(a,h)anthracene
Concen: 0.366 ng
RT: 25.082 min Scan# 3328
Delta R.T. 0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Tgt Ion:278 Resp: 12408

Ion	Ratio	Lower	Upper
278	100		
139	18.1	14.2	21.4
279	28.0	20.5	30.7



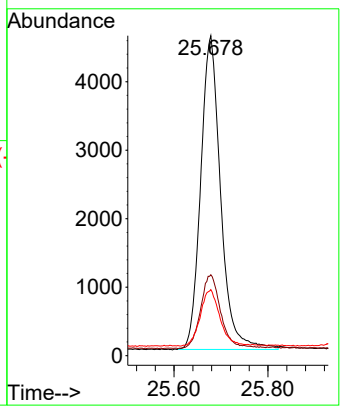


#41
Benzo(g,h,i)perylene
Concen: 0.381 ng
RT: 25.678 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN035712.D
Acq: 19 Dec 2024 19:23

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 13508

Ion	Ratio	Lower	Upper
276	100		
277	25.3	19.9	29.9
138	20.7	17.8	26.8



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035713.D
Acq On : 19 Dec 2024 20:35
Operator : RC/JU
Sample : PB165596BL
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB165596BL

Quant Time: Dec 19 23:11:28 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

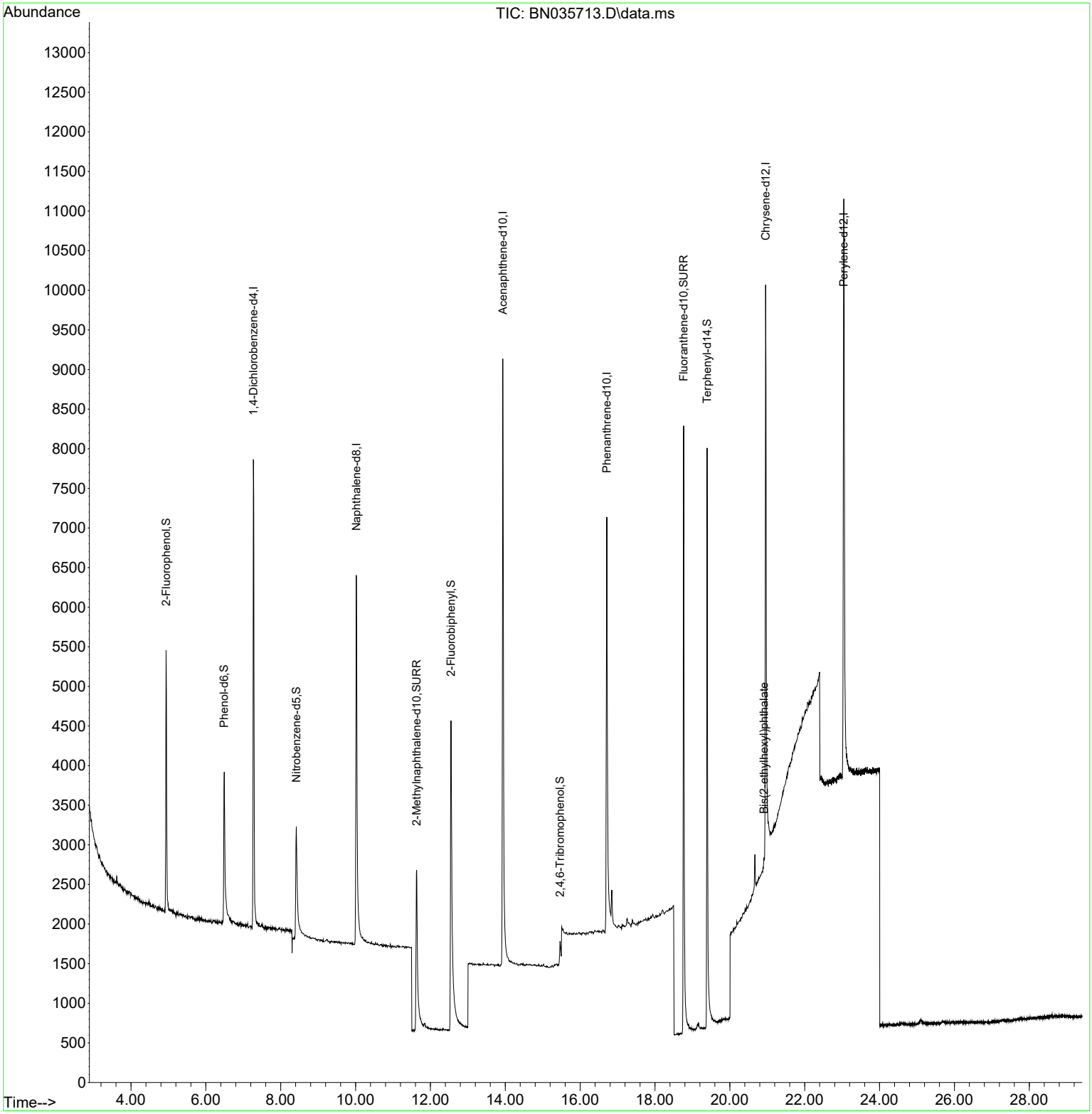
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.272	152	3228	0.400	ng	0.00
7) Naphthalene-d8	10.020	136	8561	0.400	ng	0.00
13) Acenaphthene-d10	13.935	164	5768	0.400	ng	0.00
19) Phenanthrene-d10	16.711	188	10744	0.400	ng	# 0.01
29) Chrysene-d12	20.956	240	9839	0.400	ng	# 0.00
35) Perylene-d12	23.044	264	11233	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.939	112	2902	0.359	ng	0.00
5) Phenol-d6	6.492	99	2957	0.304	ng	0.00
8) Nitrobenzene-d5	8.418	82	2450	0.469	ng	0.01
11) 2-Methylnaphthalene-d10	11.631	152	5143	0.384	ng	0.00
14) 2,4,6-Tribromophenol	15.464	330	464	0.113	ng	0.01
15) 2-Fluorobiphenyl	12.549	172	7059	0.324	ng	0.00
27) Fluoranthene-d10	18.766	212	11890	0.390	ng	0.00
31) Terphenyl-d14	19.393	244	10159	0.523	ng	0.00
Target Compounds						Qvalue
34) Bis(2-ethylhexyl)phtha...	20.911	149	283	0.021	ng	# 76

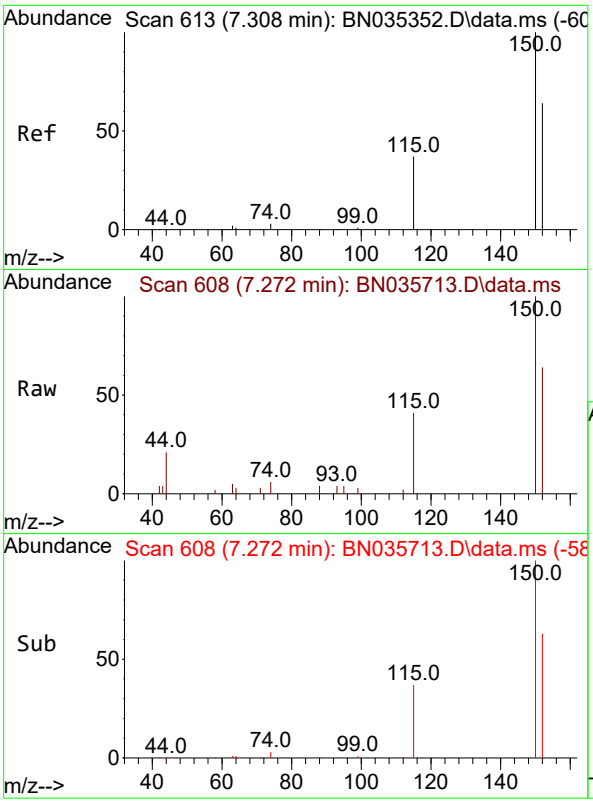
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035713.D
Acq On : 19 Dec 2024 20:35
Operator : RC/JU
Sample : PB165596BL
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB165596BL

Quant Time: Dec 19 23:11:28 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration



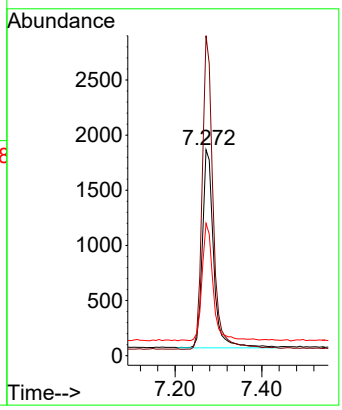


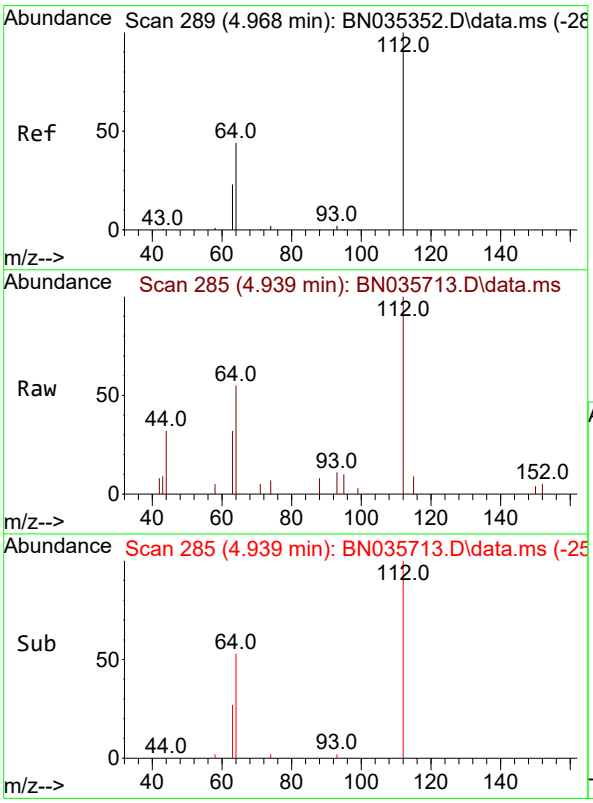
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.272 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN035713.D
Acq: 19 Dec 2024 20:35

Instrument :
BNA_N
ClientSampleId :
PB165596BL

Tgt Ion:152 Resp: 3228

Ion	Ratio	Lower	Upper
152	100		
150	155.4	124.0	186.0
115	64.2	49.6	74.4

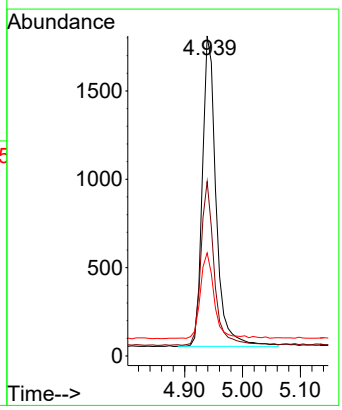


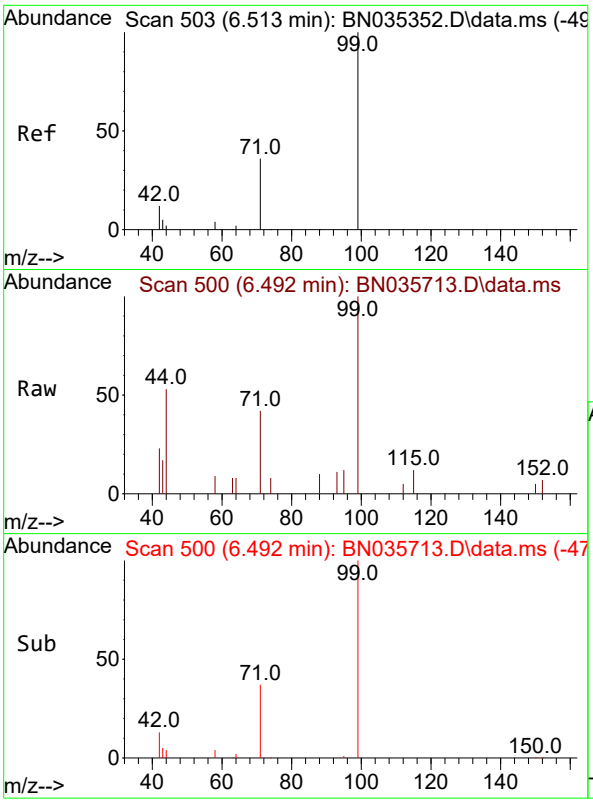


#4
2-Fluorophenol
Concen: 0.359 ng
RT: 4.939 min Scan# 285
Delta R.T. -0.000 min
Lab File: BN035713.D
Acq: 19 Dec 2024 20:35

Tgt Ion:112 Resp: 2902

Ion	Ratio	Lower	Upper
112	100		
64	51.3	39.8	59.8
63	28.8	21.0	31.6



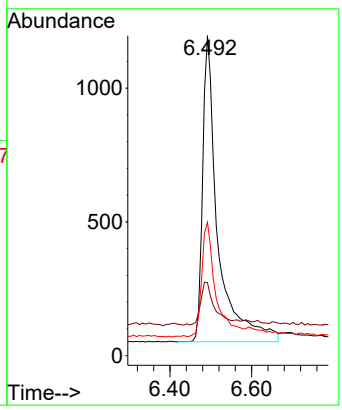


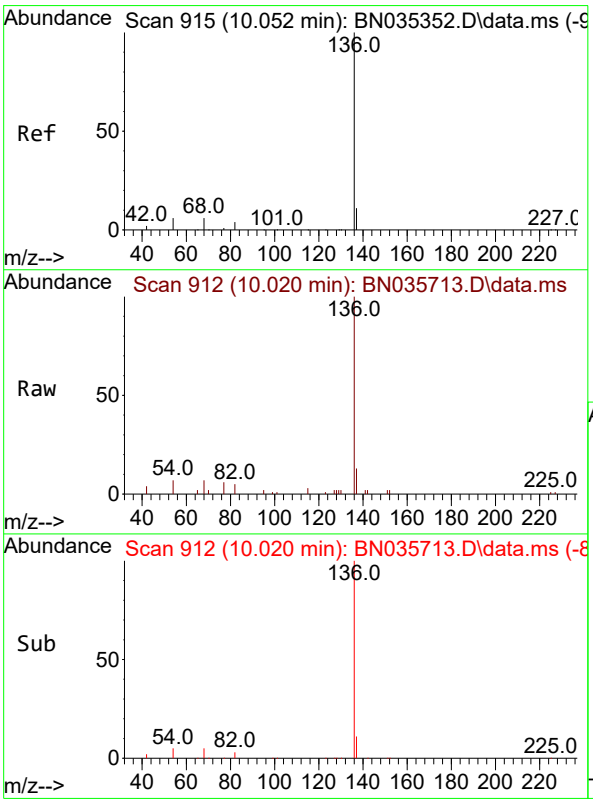
#5
Phenol-d6
Concen: 0.304 ng
RT: 6.492 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN035713.D
Acq: 19 Dec 2024 20:35

Instrument :
BNA_N
ClientSampleId :
PB165596BL

Tgt Ion: 99 Resp: 2957

Ion	Ratio	Lower	Upper
99	100		
42	13.5	11.4	17.2
71	34.2	29.3	43.9

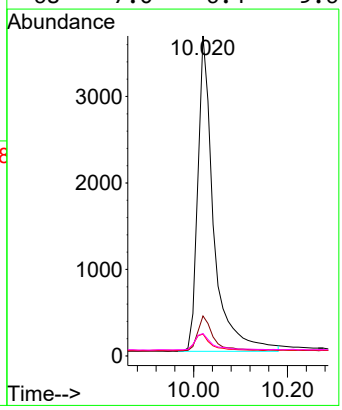


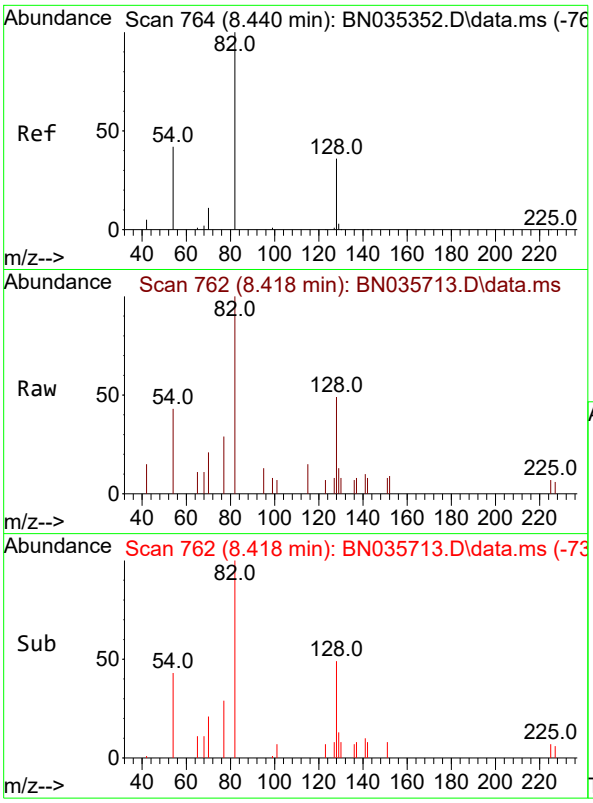


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.020 min Scan# 912
Delta R.T. -0.000 min
Lab File: BN035713.D
Acq: 19 Dec 2024 20:35

Tgt Ion:136 Resp: 8561

Ion	Ratio	Lower	Upper
136	100		
137	12.5	10.2	15.2
54	6.9	6.1	9.1
68	7.0	6.4	9.6



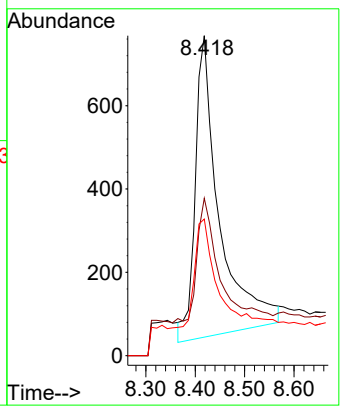


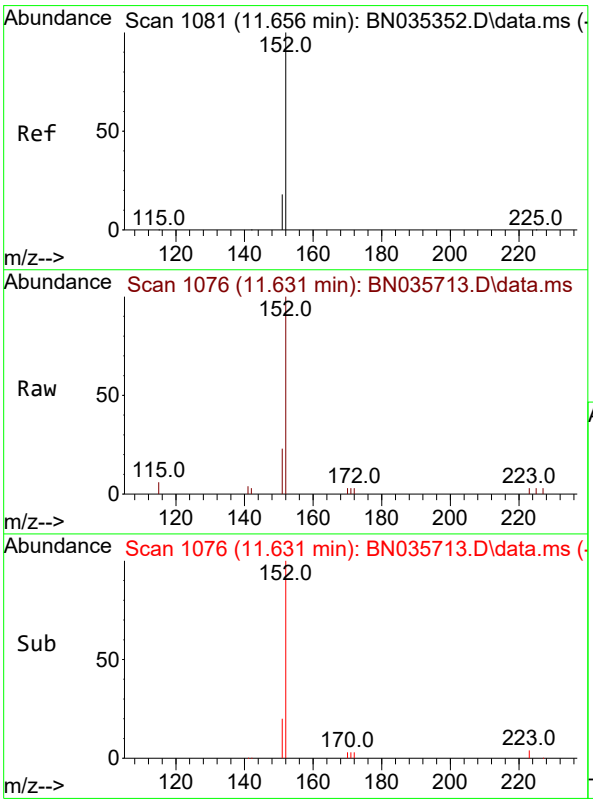
#8
Nitrobenzene-d5
Concen: 0.469 ng
RT: 8.418 min Scan# 7
Delta R.T. 0.010 min
Lab File: BN035713.D
Acq: 19 Dec 2024 20:35

Instrument :
BNA_N
ClientSampleId :
PB165596BL

Tgt Ion: 82 Resp: 2450

Ion	Ratio	Lower	Upper
82	100		
128	49.2	33.4	50.0
54	42.7	36.7	55.1

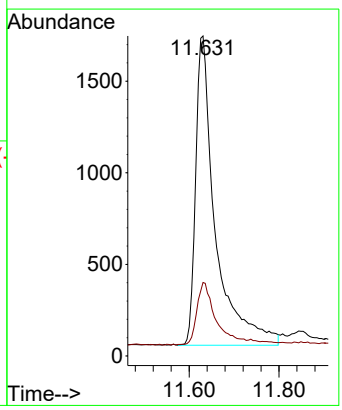


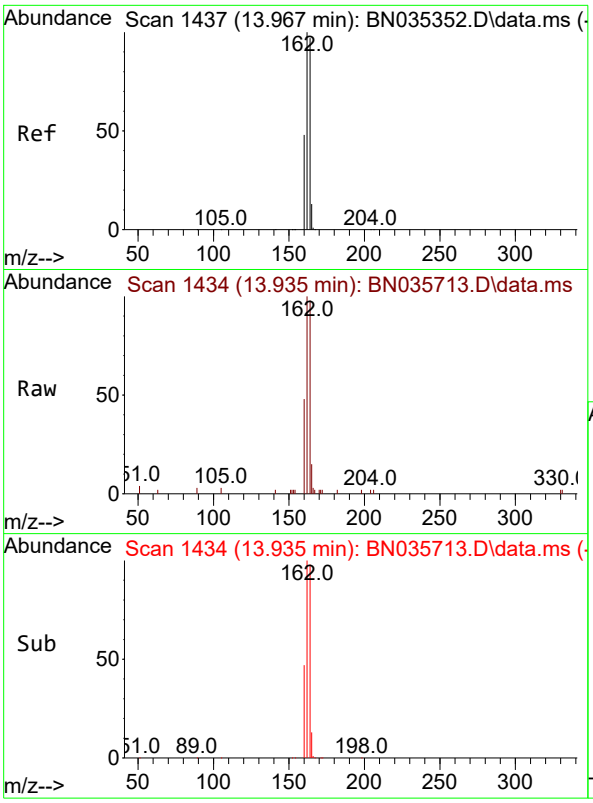


#11
2-Methylnaphthalene-d10
Concen: 0.384 ng
RT: 11.631 min Scan# 1076
Delta R.T. 0.010 min
Lab File: BN035713.D
Acq: 19 Dec 2024 20:35

Tgt Ion:152 Resp: 5143

Ion	Ratio	Lower	Upper
152	100		
151	19.4	16.6	25.0



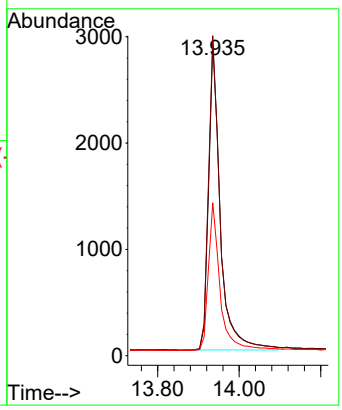


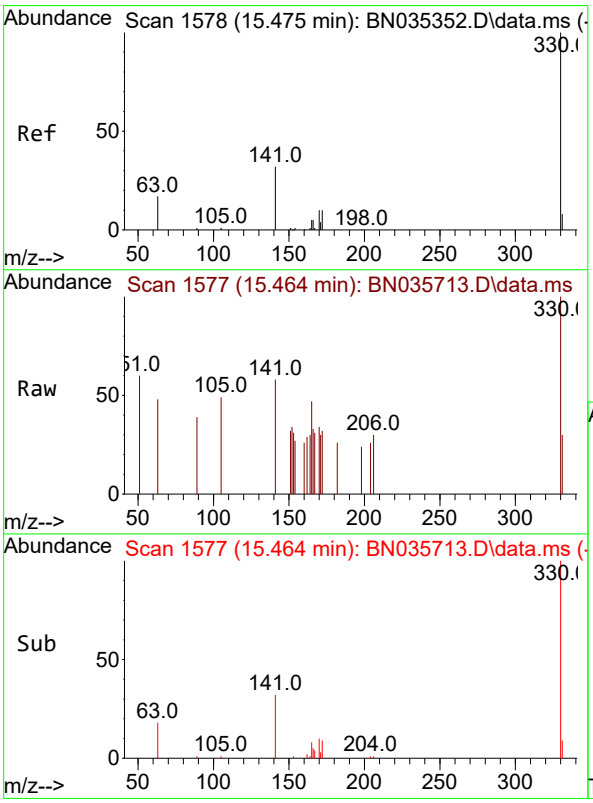
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.935 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035713.D
Acq: 19 Dec 2024 20:35

Instrument :
BNA_N
ClientSampleId :
PB165596BL

Tgt Ion:164 Resp: 5768

Ion	Ratio	Lower	Upper
164	100		
162	102.3	82.2	123.2
160	48.9	40.1	60.1

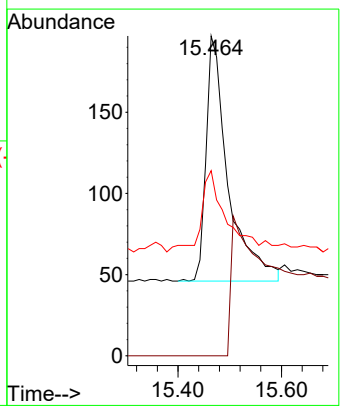


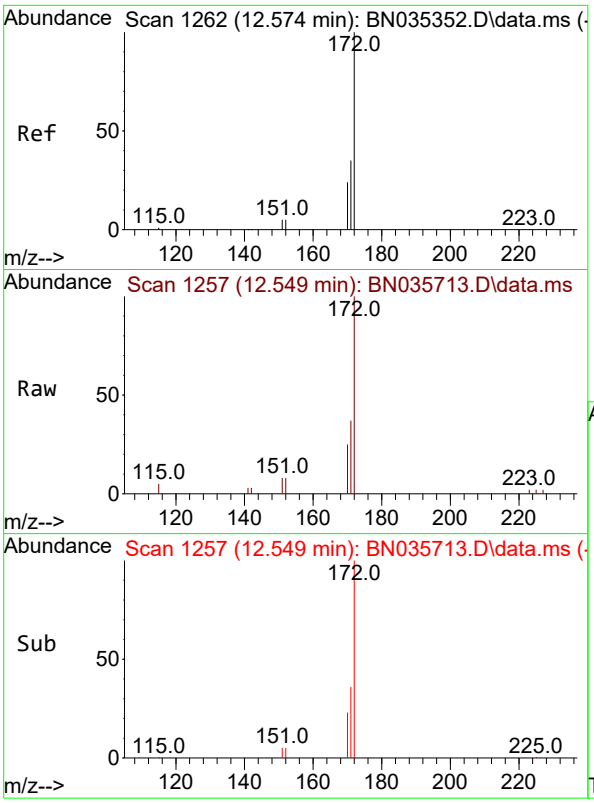


#14
2,4,6-Tribromophenol
Concen: 0.113 ng
RT: 15.464 min Scan# 1577
Delta R.T. 0.011 min
Lab File: BN035713.D
Acq: 19 Dec 2024 20:35

Tgt Ion:330 Resp: 464

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	38.6	26.6	40.0



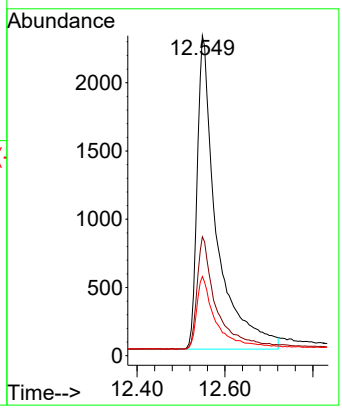


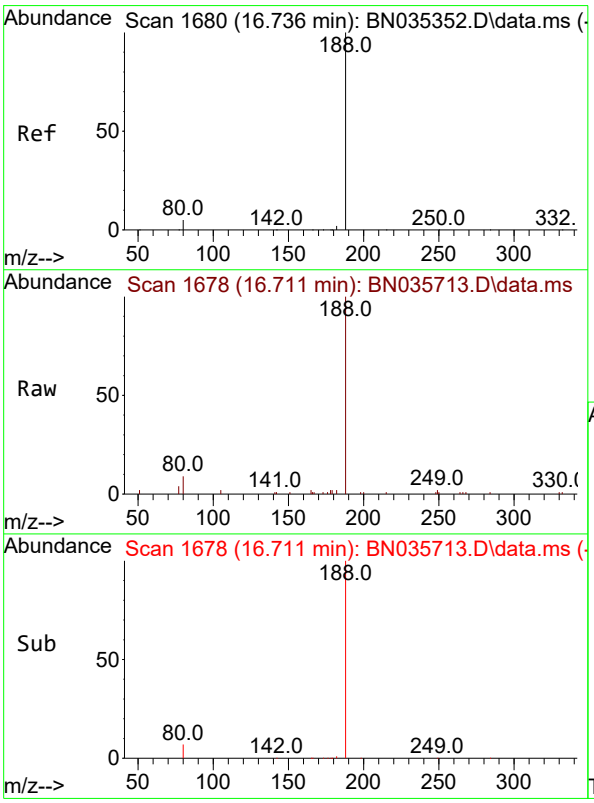
#15
2-Fluorobiphenyl
Concen: 0.324 ng
RT: 12.549 min Scan# 1
Delta R.T. 0.005 min
Lab File: BN035713.D
Acq: 19 Dec 2024 20:35

Instrument :
BNA_N
ClientSampleId :
PB165596BL

Tgt Ion:172 Resp: 7059

Ion	Ratio	Lower	Upper
172	100		
171	37.2	29.0	43.4
170	24.8	19.8	29.8

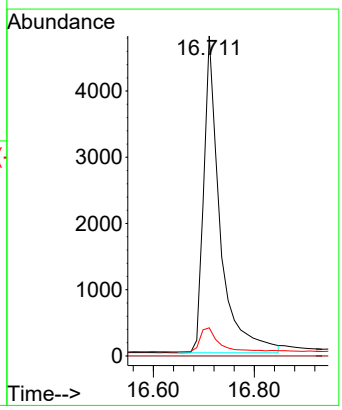


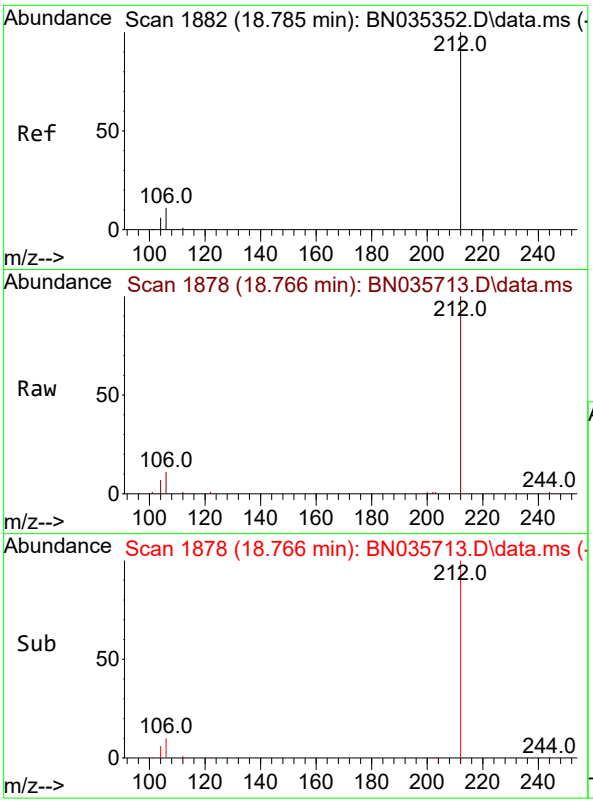


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.711 min Scan# 1678
Delta R.T. 0.012 min
Lab File: BN035713.D
Acq: 19 Dec 2024 20:35

Tgt Ion:188 Resp: 10744

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.8	4.6	6.8#



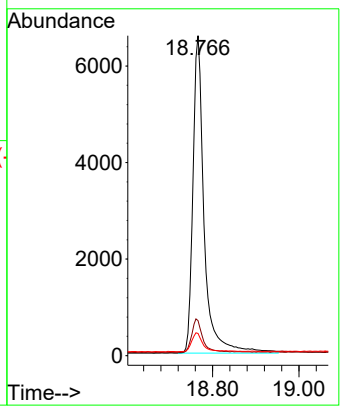


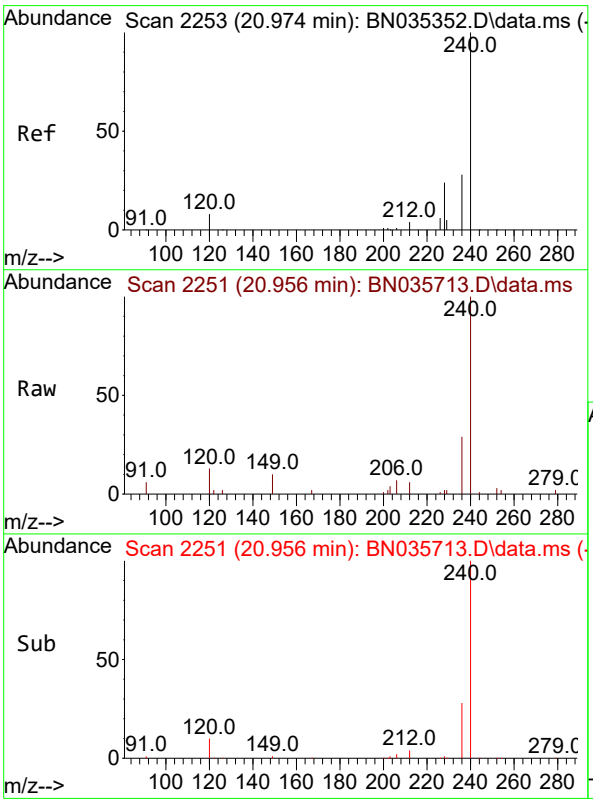
#27
Fluoranthene-d10
Concen: 0.390 ng
RT: 18.766 min Scan# 1
Delta R.T. 0.004 min
Lab File: BN035713.D
Acq: 19 Dec 2024 20:35

Instrument :
BNA_N
ClientSampleId :
PB165596BL

Tgt Ion:212 Resp: 11890

Ion	Ratio	Lower	Upper
212	100		
106	10.2	9.2	13.8
104	5.8	5.3	7.9

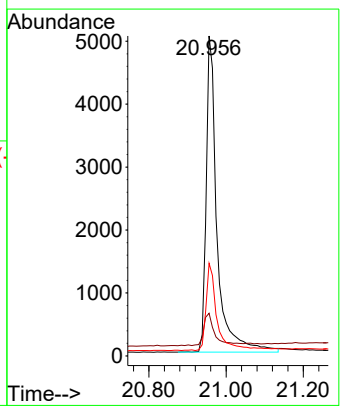


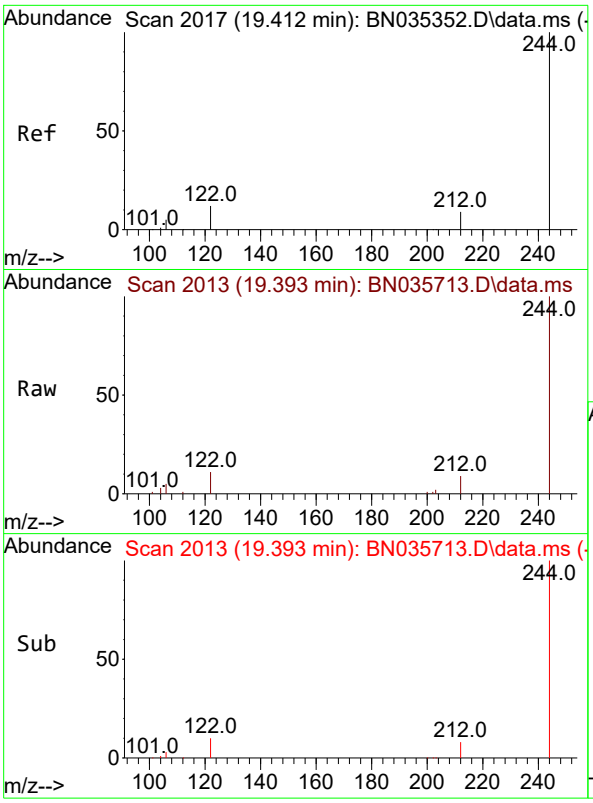


#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.956 min Scan# 2251
Delta R.T. -0.000 min
Lab File: BN035713.D
Acq: 19 Dec 2024 20:35

Tgt Ion:240 Resp: 9839

Ion	Ratio	Lower	Upper
240	100		
120	13.4	7.9	11.9#
236	28.9	22.9	34.3



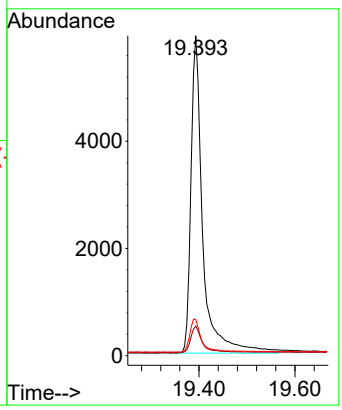


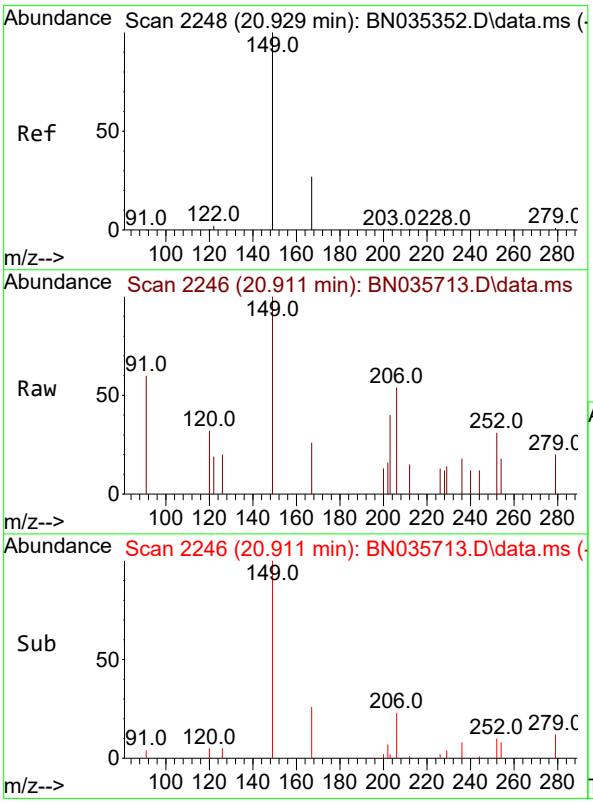
#31
Terphenyl-d14
Concen: 0.523 ng
RT: 19.393 min Scan# 2
Delta R.T. 0.004 min
Lab File: BN035713.D
Acq: 19 Dec 2024 20:35

Instrument :
BNA_N
ClientSampleId :
PB165596BL

Tgt Ion:244 Resp: 10159

Ion	Ratio	Lower	Upper
244	100		
212	9.2	8.1	12.1
122	11.2	10.3	15.5

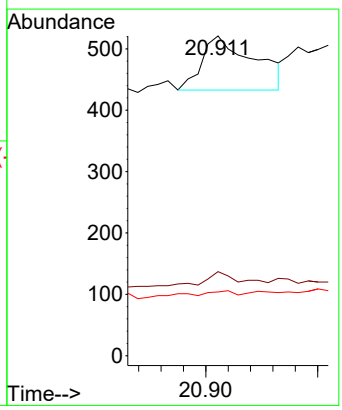


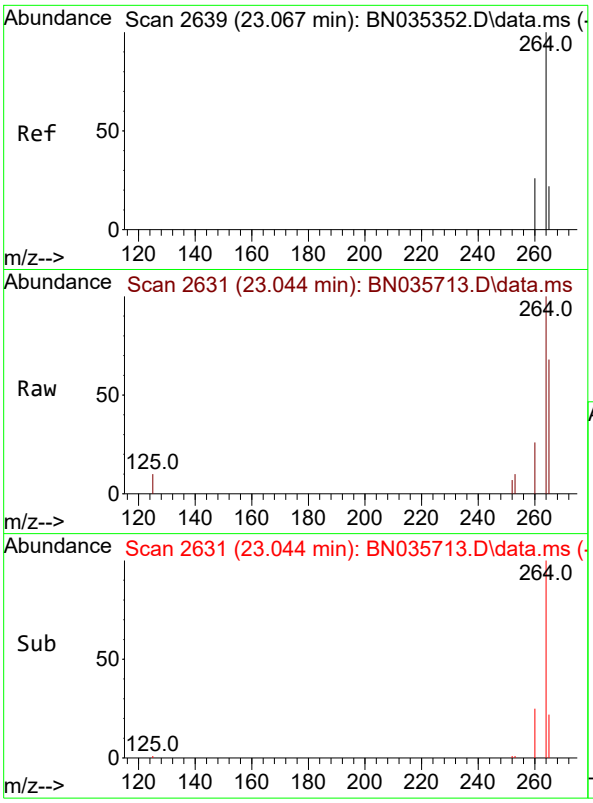


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.021 ng
RT: 20.911 min Scan# 2246
Delta R.T. -0.000 min
Lab File: BN035713.D
Acq: 19 Dec 2024 20:35

Tgt Ion:149 Resp: 283

Ion	Ratio	Lower	Upper
149	100		
167	13.8	22.2	33.4#
279	4.9	2.7	4.1#



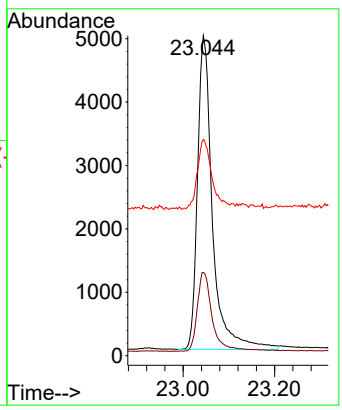


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.044 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN035713.D
Acq: 19 Dec 2024 20:35

Instrument :
BNA_N
ClientSampleId :
PB165596BL

Tgt Ion:264 Resp: 11233

Ion	Ratio	Lower	Upper
264	100		
260	26.0	21.4	32.2
265	67.5	40.2	60.4#



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035714.D
Acq On : 19 Dec 2024 21:11
Operator : RC/JU
Sample : P5261-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE122D1-20241209

Quant Time: Dec 19 23:11:39 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

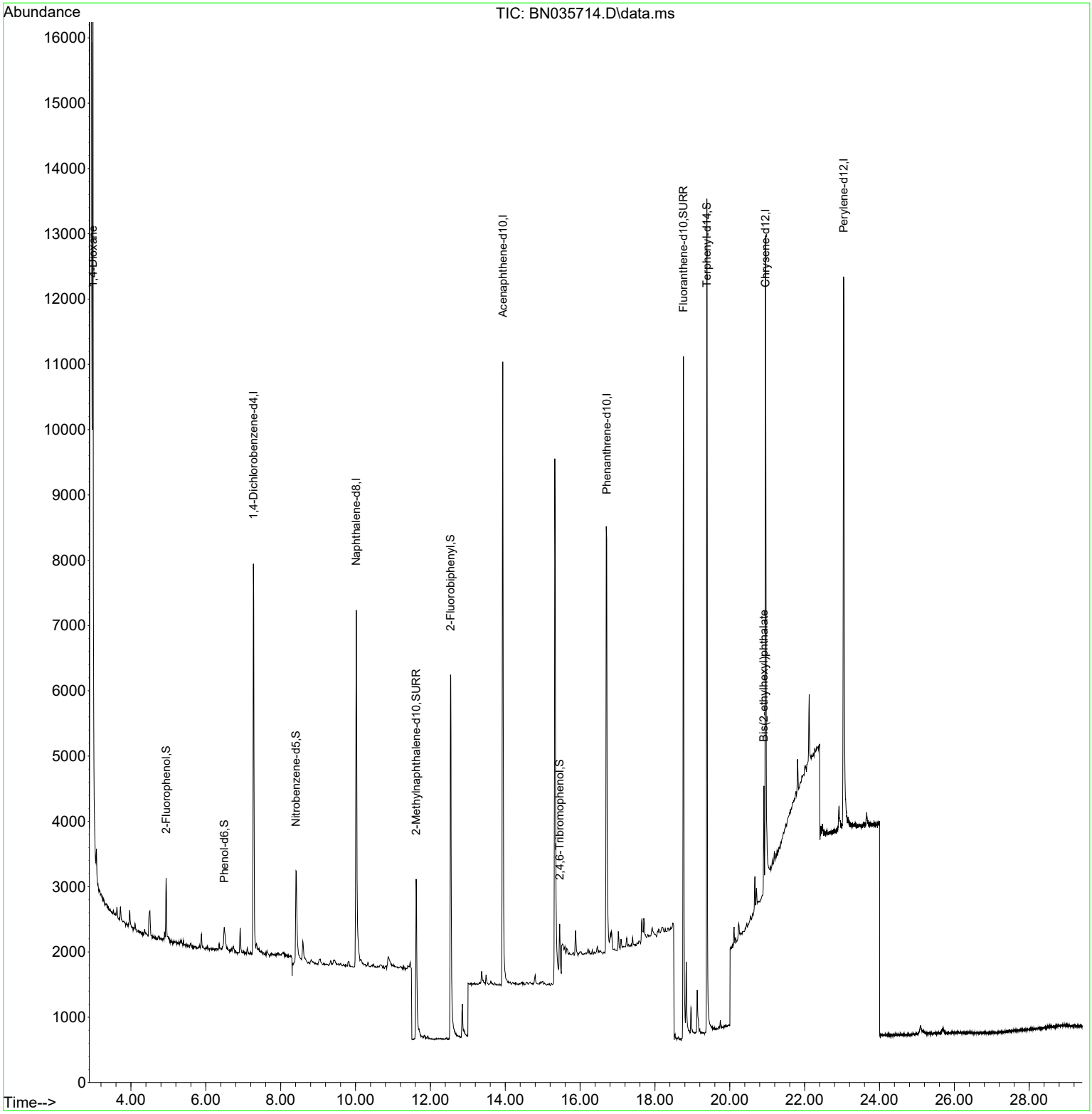
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.272	152	3160	0.400	ng	0.00
7) Naphthalene-d8	10.020	136	8794	0.400	ng	# 0.00
13) Acenaphthene-d10	13.935	164	6070	0.400	ng	0.00
19) Phenanthrene-d10	16.711	188	11989	0.400	ng	0.01
29) Chrysene-d12	20.956	240	10648	0.400	ng	0.00
35) Perylene-d12	23.041	264	11706	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.939	112	847	0.107	ng	0.00
5) Phenol-d6	6.492	99	510	0.054	ng	0.00
8) Nitrobenzene-d5	8.408	82	2305	0.429	ng	0.00
11) 2-Methylnaphthalene-d10	11.621	152	4622	0.336	ng	0.00
14) 2,4,6-Tribromophenol	15.453	330	876	0.203	ng	0.00
15) 2-Fluorobiphenyl	12.538	172	6666	0.291	ng	0.00
27) Fluoranthene-d10	18.761	212	13563	0.399	ng	0.00
31) Terphenyl-d14	19.388	244	13668	0.651	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.982	88	7540	2.496	ng	100
34) Bis(2-ethylhexyl)phtha...	20.911	149	1470	0.100	ng	# 99

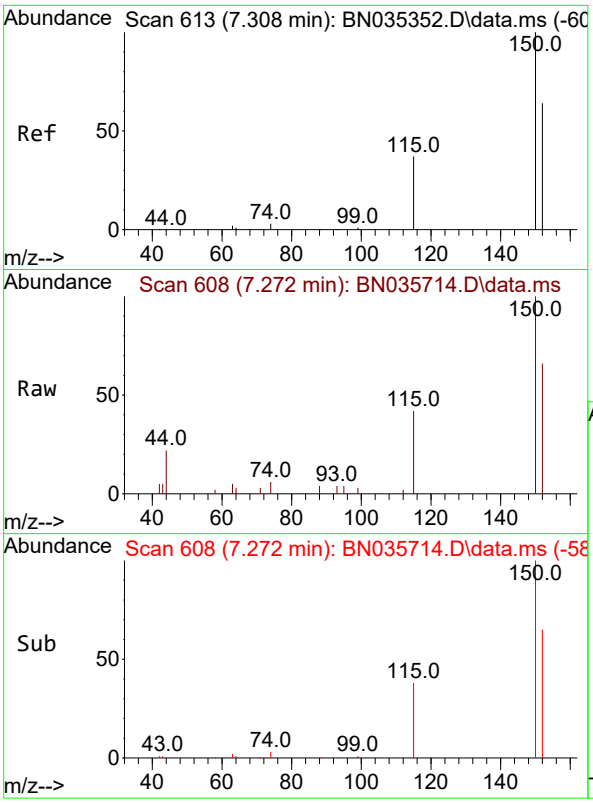
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035714.D
Acq On : 19 Dec 2024 21:11
Operator : RC/JU
Sample : P5261-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE122D1-20241209

Quant Time: Dec 19 23:11:39 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration



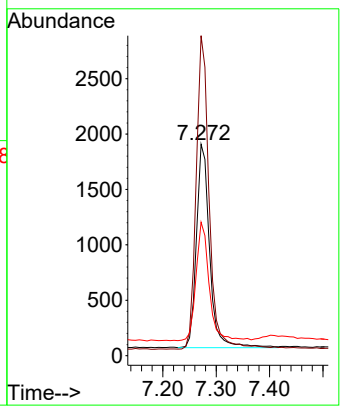


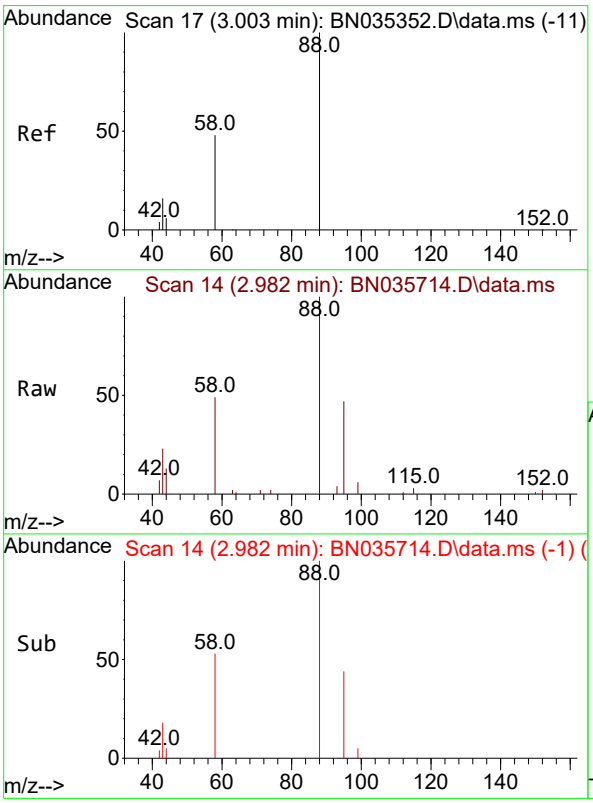
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.272 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN035714.D
Acq: 19 Dec 2024 21:11

Instrument :
BNA_N
ClientSampleId :
RE122D1-20241209

Tgt Ion:152 Resp: 3160

Ion	Ratio	Lower	Upper
152	100		
150	151.4	124.0	186.0
115	63.1	49.6	74.4

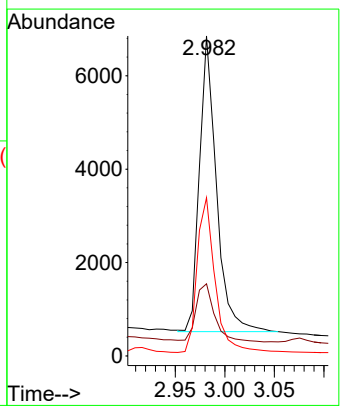


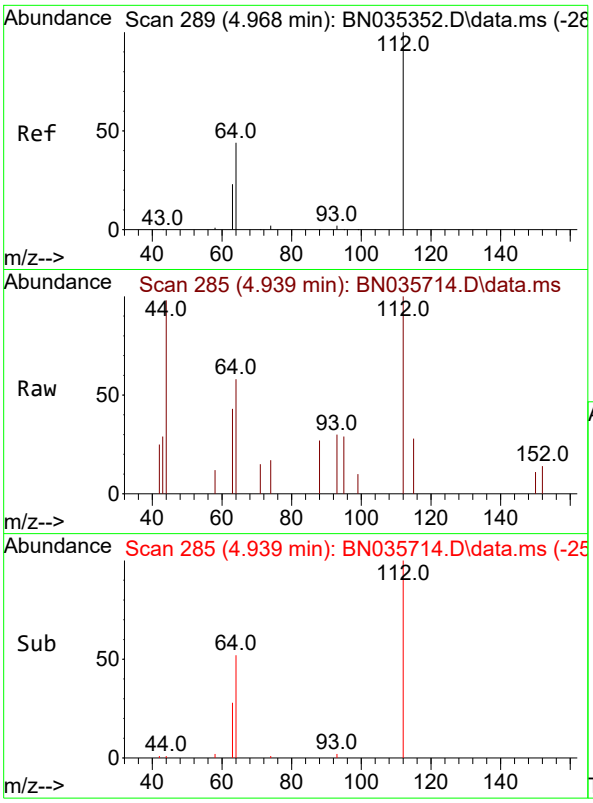


#2
1,4-Dioxane
Concen: 2.496 ng
RT: 2.982 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035714.D
Acq: 19 Dec 2024 21:11

Tgt Ion: 88 Resp: 7540

Ion	Ratio	Lower	Upper
88	100		
43	21.9	17.2	25.8
58	55.4	44.5	66.7



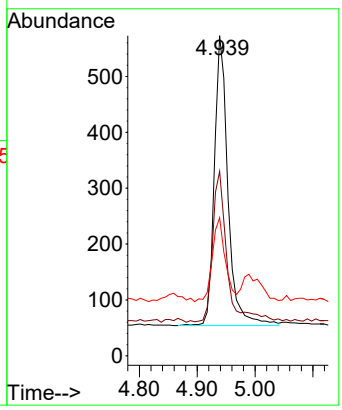


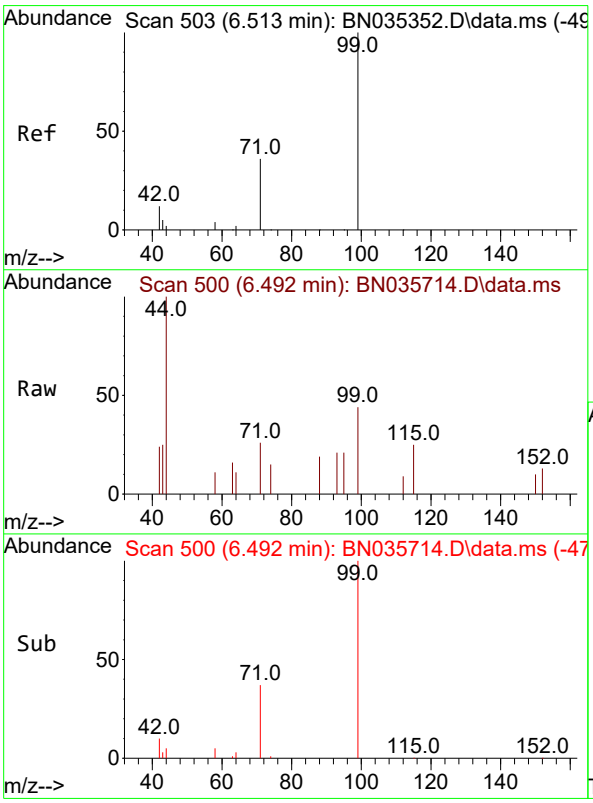
#4
2-Fluorophenol
Concen: 0.107 ng
RT: 4.939 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035714.D
Acq: 19 Dec 2024 21:11

Instrument :
BNA_N
ClientSampleId :
RE122D1-20241209

Tgt Ion:112 Resp: 847

Ion	Ratio	Lower	Upper
112	100		
64	54.5	39.8	59.8
63	27.6	21.0	31.6

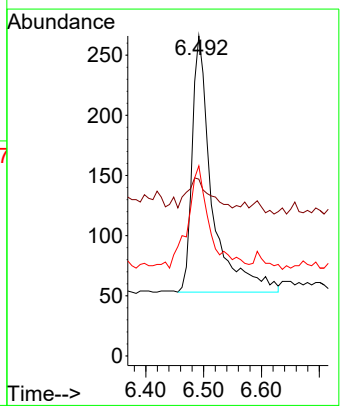


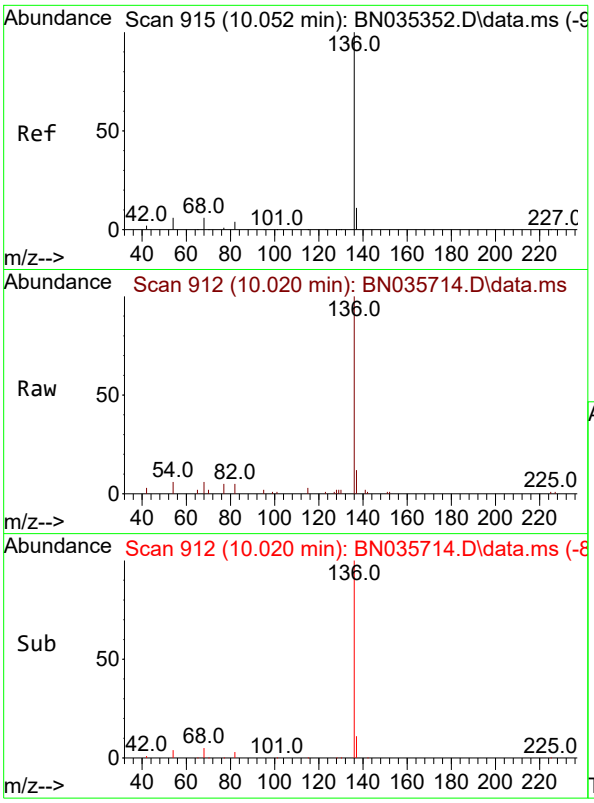


#5
Phenol-d6
Concen: 0.054 ng
RT: 6.492 min Scan# 500
Delta R.T. -0.000 min
Lab File: BN035714.D
Acq: 19 Dec 2024 21:11

Tgt Ion: 99 Resp: 510

Ion	Ratio	Lower	Upper
99	100		
42	17.5	11.4	17.2#
71	47.1	29.3	43.9#



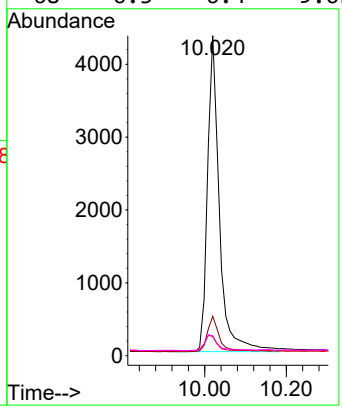


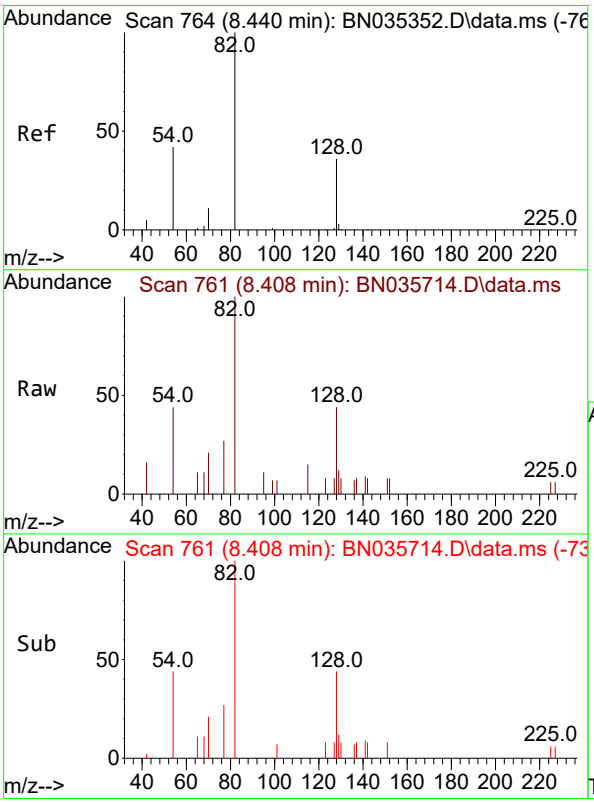
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.020 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN035714.D
Acq: 19 Dec 2024 21:11

Instrument :
BNA_N
ClientSampleId :
RE122D1-20241209

Tgt Ion:136 Resp: 8794

Ion	Ratio	Lower	Upper
136	100		
137	12.3	10.2	15.2
54	5.9	6.1	9.1#
68	6.3	6.4	9.6#

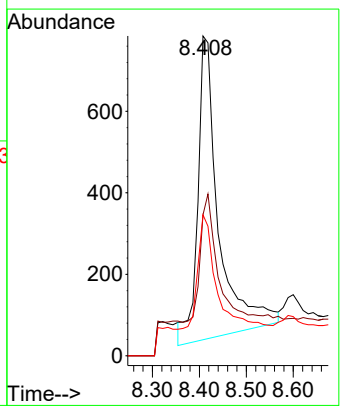


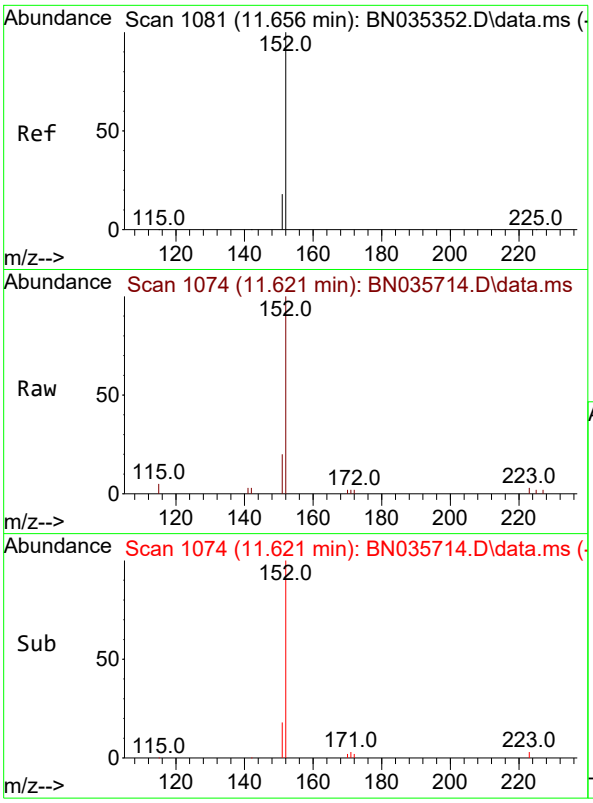


#8
Nitrobenzene-d5
Concen: 0.429 ng
RT: 8.408 min Scan# 761
Delta R.T. -0.000 min
Lab File: BN035714.D
Acq: 19 Dec 2024 21:11

Tgt Ion: 82 Resp: 2305

Ion	Ratio	Lower	Upper
82	100		
128	44.1	33.4	50.0
54	44.1	36.7	55.1



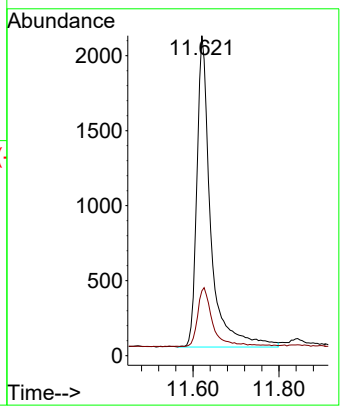


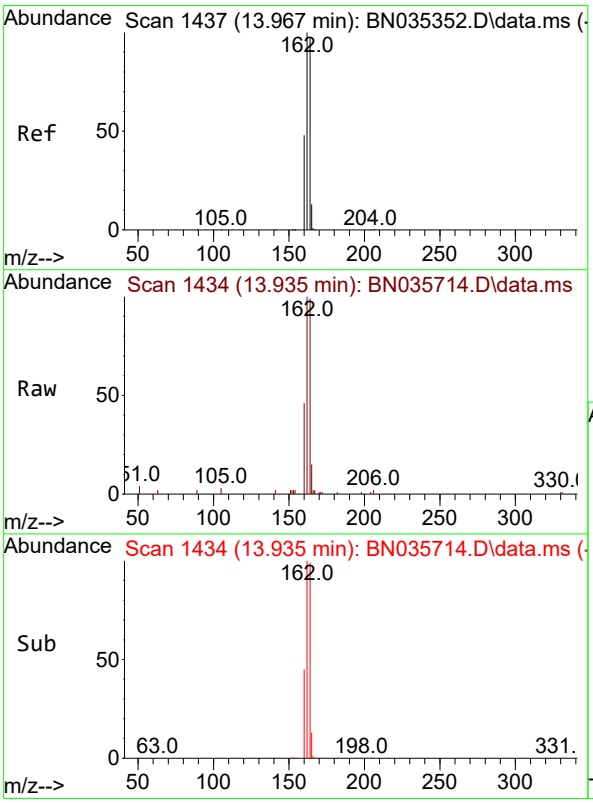
#11
2-Methylnaphthalene-d10
Concen: 0.336 ng
RT: 11.621 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035714.D
Acq: 19 Dec 2024 21:11

Instrument :
BNA_N
ClientSampleId :
RE122D1-20241209

Tgt Ion:152 Resp: 4622

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.6	25.0

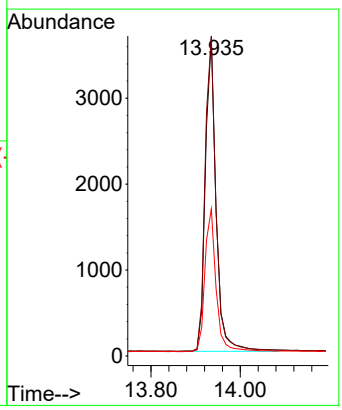


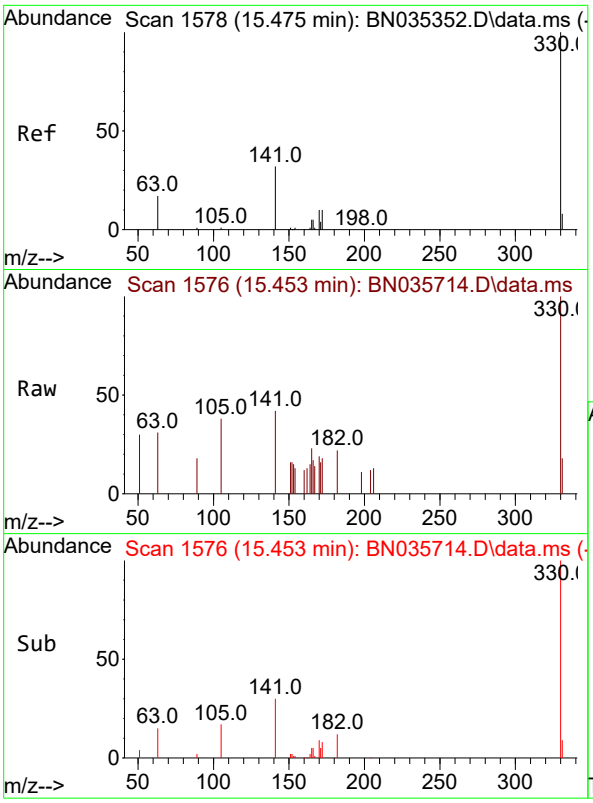


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.935 min Scan# 1434
Delta R.T. -0.000 min
Lab File: BN035714.D
Acq: 19 Dec 2024 21:11

Tgt Ion:164 Resp: 6070

Ion	Ratio	Lower	Upper
164	100		
162	100.8	82.2	123.2
160	46.3	40.1	60.1



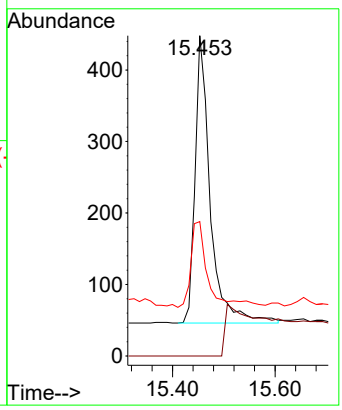


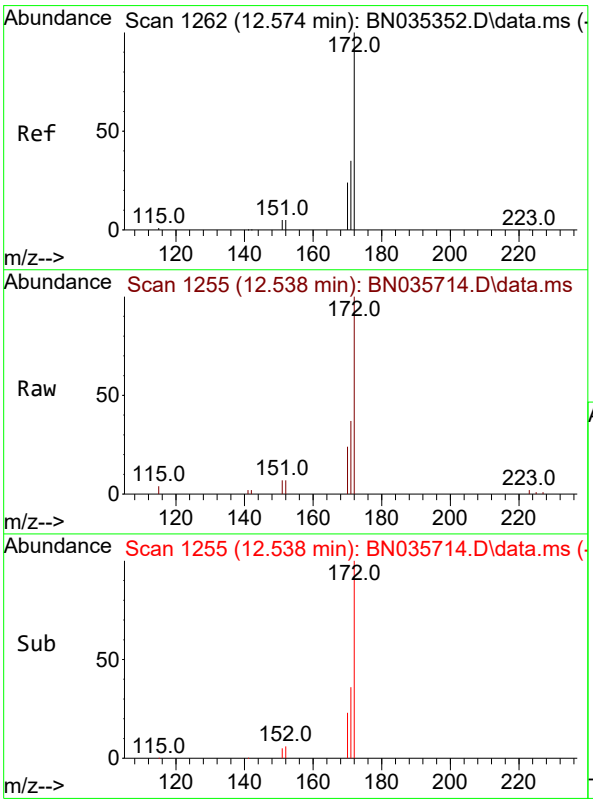
#14
2,4,6-Tribromophenol
Concen: 0.203 ng
RT: 15.453 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035714.D
Acq: 19 Dec 2024 21:11

Instrument :
BNA_N
ClientSampleId :
RE122D1-20241209

Tgt Ion:330 Resp: 876

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	33.1	26.6	40.0

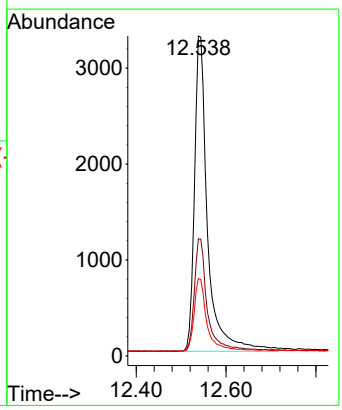


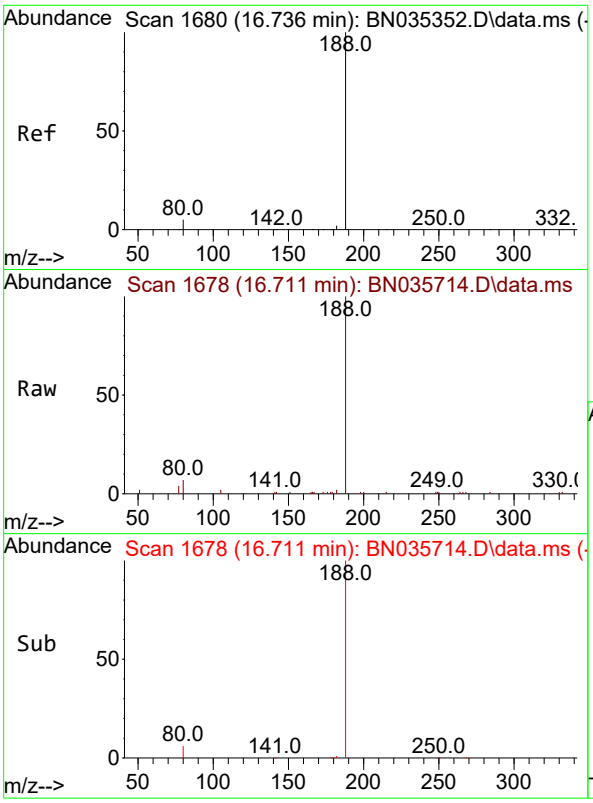


#15
2-Fluorobiphenyl
Concen: 0.291 ng
RT: 12.538 min Scan# 1255
Delta R.T. -0.005 min
Lab File: BN035714.D
Acq: 19 Dec 2024 21:11

Tgt Ion:172 Resp: 6666

Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.0	43.4
170	24.2	19.8	29.8



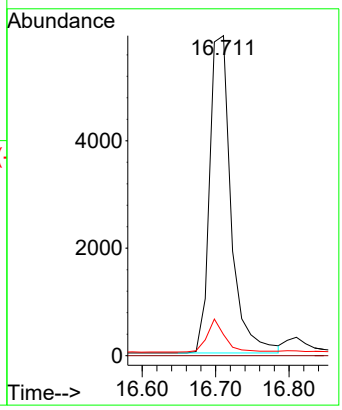


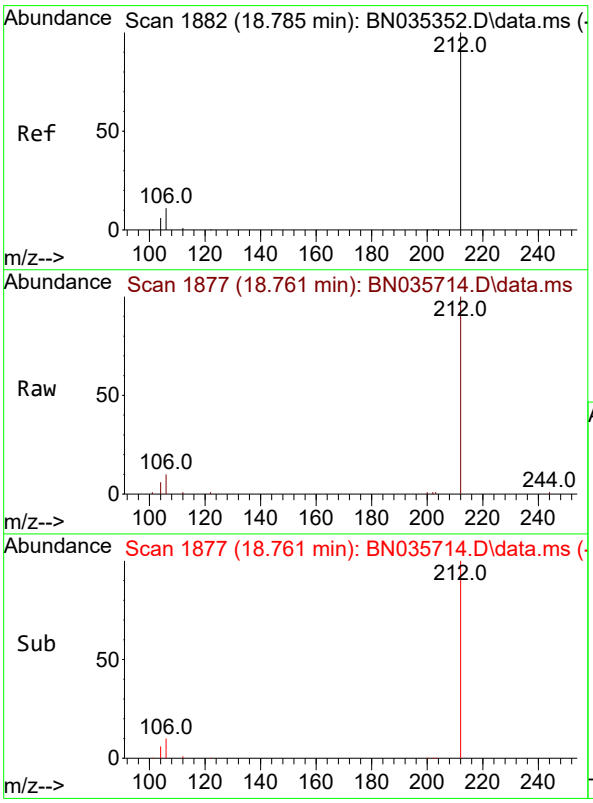
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.711 min Scan# 1(
Delta R.T. 0.012 min
Lab File: BN035714.D
Acq: 19 Dec 2024 21:11

Instrument :
BNA_N
ClientSampleId :
RE122D1-20241209

Tgt Ion:188 Resp: 11989

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.6	4.6	6.8

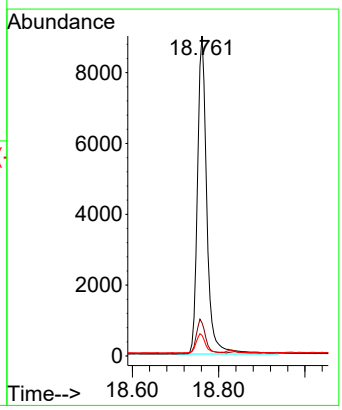


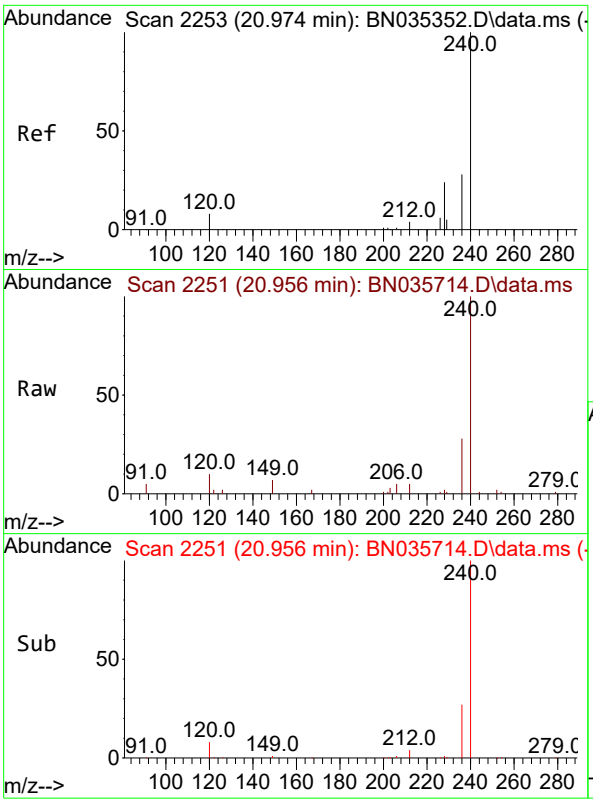


#27
Fluoranthene-d10
Concen: 0.399 ng
RT: 18.761 min Scan# 1877
Delta R.T. -0.000 min
Lab File: BN035714.D
Acq: 19 Dec 2024 21:11

Tgt Ion:212 Resp: 13563

Ion	Ratio	Lower	Upper
212	100		
106	10.4	9.2	13.8
104	5.9	5.3	7.9



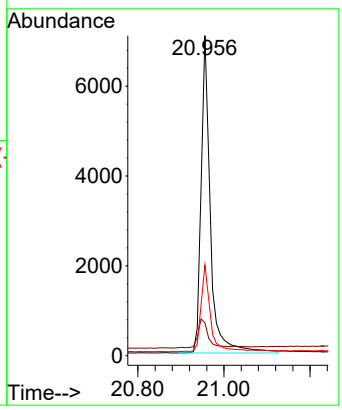


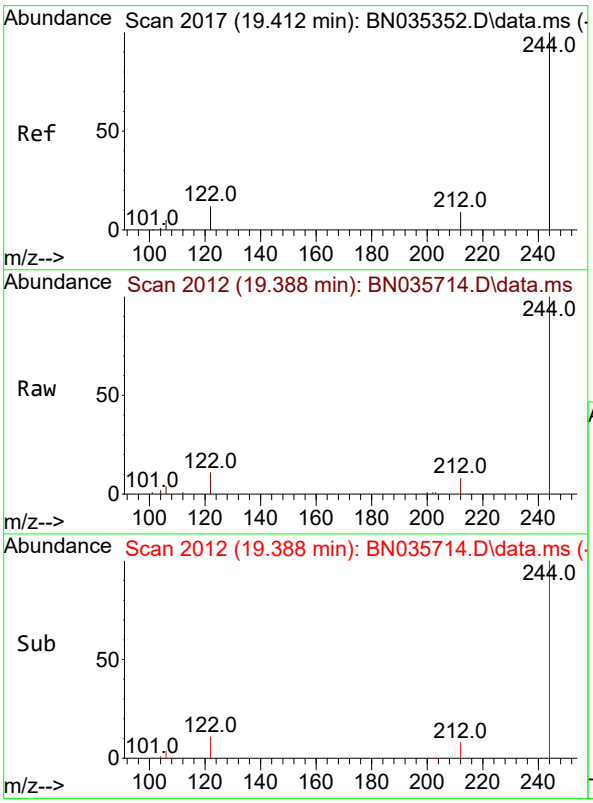
#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.956 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035714.D
Acq: 19 Dec 2024 21:11

Instrument :
BNA_N
ClientSampleId :
RE122D1-20241209

Tgt Ion:240 Resp: 10648

Ion	Ratio	Lower	Upper
240	100		
120	10.2	7.9	11.9
236	28.4	22.9	34.3

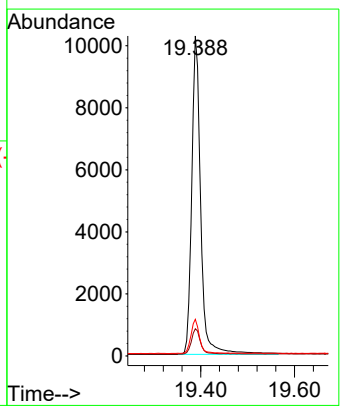


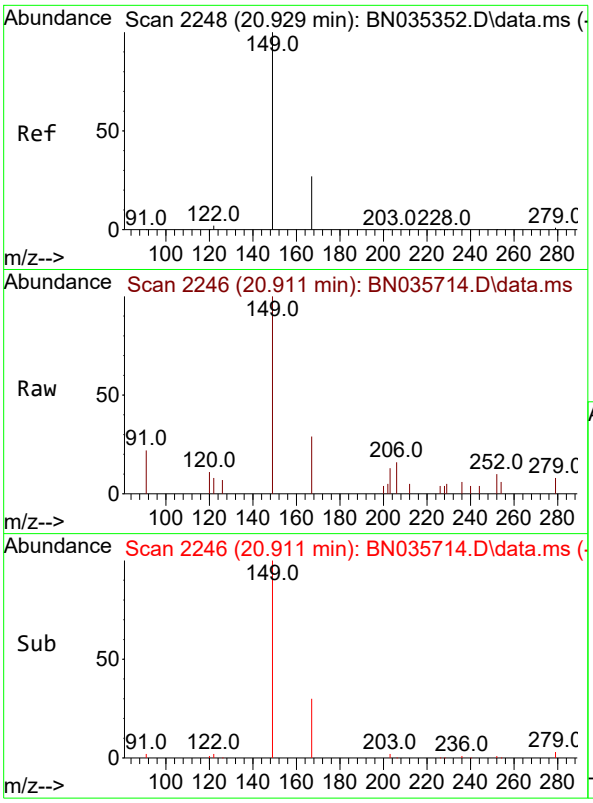


#31
Terphenyl-d14
Concen: 0.651 ng
RT: 19.388 min Scan# 2012
Delta R.T. -0.000 min
Lab File: BN035714.D
Acq: 19 Dec 2024 21:11

Tgt Ion:244 Resp: 13668

Ion	Ratio	Lower	Upper
244	100		
212	8.5	8.1	12.1
122	11.4	10.3	15.5



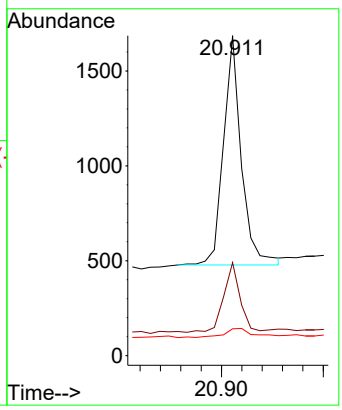


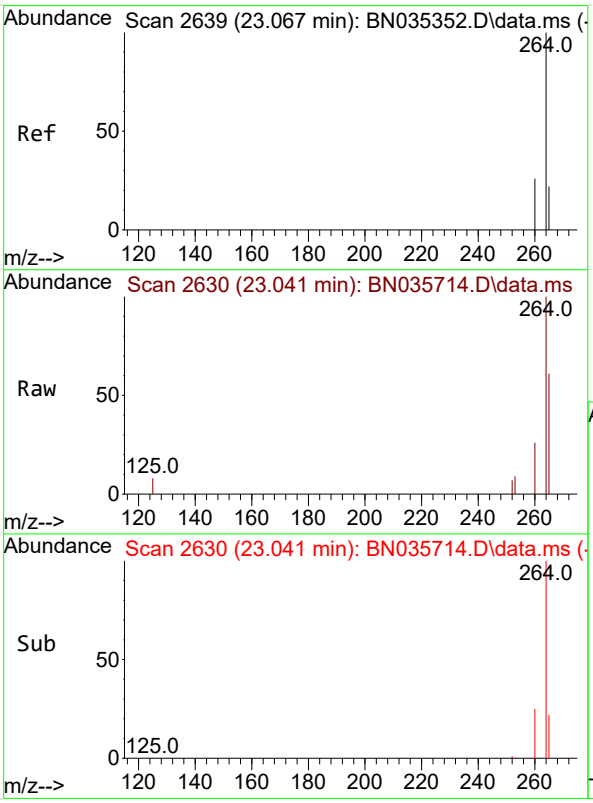
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.100 ng
RT: 20.911 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035714.D
Acq: 19 Dec 2024 21:11

Instrument :
BNA_N
ClientSampleId :
RE122D1-20241209

Tgt Ion:149 Resp: 1470

Ion	Ratio	Lower	Upper
149	100		
167	27.8	22.2	33.4
279	6.1	2.7	4.1#

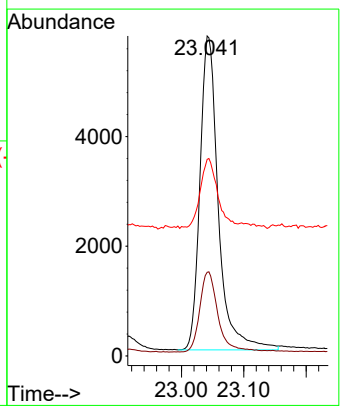




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.041 min Scan# 2630
Delta R.T. -0.000 min
Lab File: BN035714.D
Acq: 19 Dec 2024 21:11

Tgt Ion:264 Resp: 11706

Ion	Ratio	Lower	Upper
264	100		
260	26.2	21.4	32.2
265	61.5	40.2	60.4#



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035715.D
Acq On : 19 Dec 2024 21:47
Operator : RC/JU
Sample : P5261-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE122D2-20241209

Quant Time: Dec 19 23:11:51 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.271	152	3267	0.400	ng	0.00
7) Naphthalene-d8	10.020	136	8893	0.400	ng	# 0.00
13) Acenaphthene-d10	13.935	164	5822	0.400	ng	0.00
19) Phenanthrene-d10	16.698	188	11137	0.400	ng	# 0.00
29) Chrysene-d12	20.956	240	10331	0.400	ng	0.00
35) Perylene-d12	23.044	264	10865	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.939	112	913	0.112	ng	0.00
5) Phenol-d6	6.491	99	523	0.053	ng	0.00
8) Nitrobenzene-d5	8.408	82	3174	0.584	ng	0.00
11) 2-Methylnaphthalene-d10	11.621	152	4418	0.317	ng	0.00
14) 2,4,6-Tribromophenol	15.453	330	873	0.211	ng	0.00
15) 2-Fluorobiphenyl	12.543	172	6793	0.309	ng	0.00
27) Fluoranthene-d10	18.761	212	12573	0.398	ng	0.00
31) Terphenyl-d14	19.388	244	15944	0.782	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.981	88	11432	3.660	ng	97
9) Naphthalene	10.062	128	510	0.022	ng	# 61
24) Pentachlorophenol	16.375	266	94	0.028	ng	# 85
33) Chrysene	20.991	228	911	0.024	ng	# 84
34) Bis(2-ethylhexyl)phtha...	20.911	149	1245	0.087	ng	# 94
37) Benzo(b)fluoranthene	22.436	252	908	0.023	ng	# 1

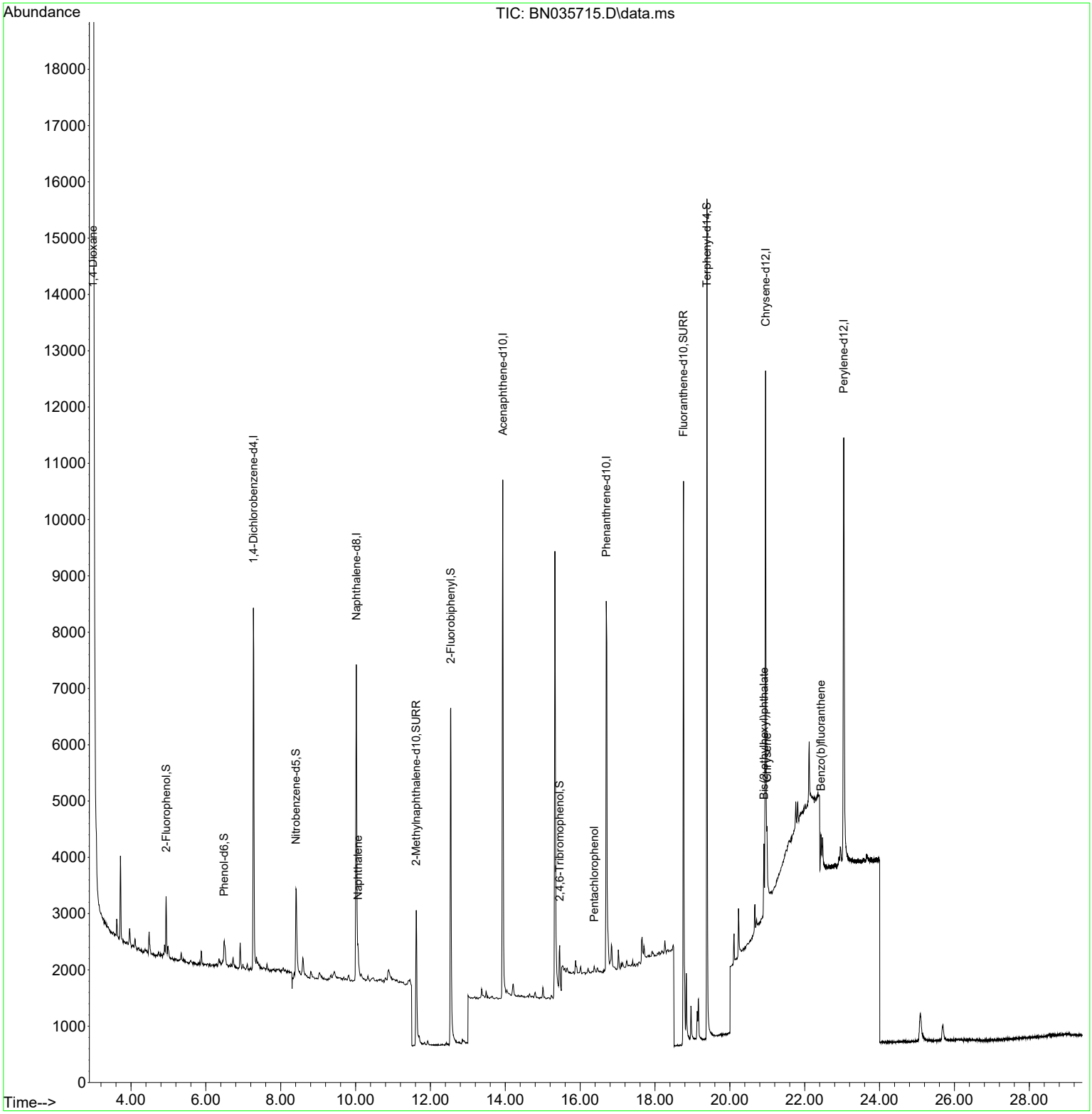
(#) = qualifier out of range (m) = manual integration (+) = signals summed

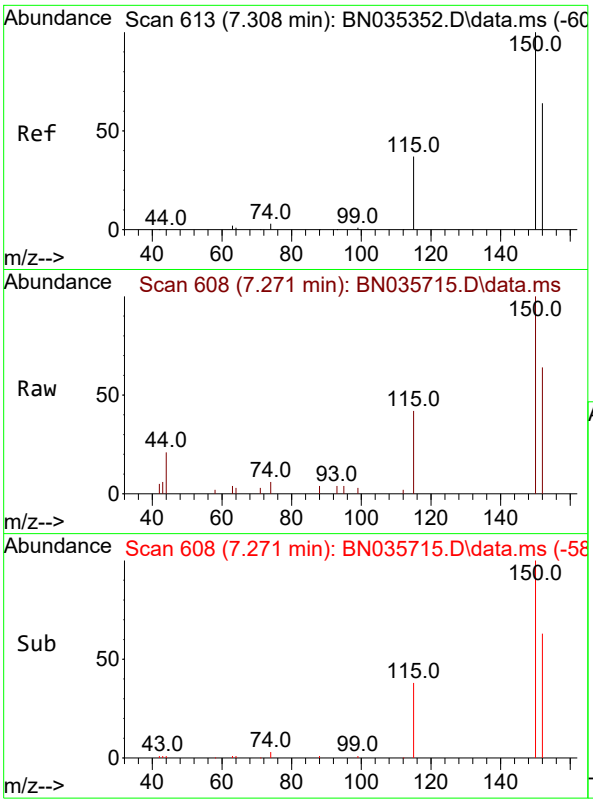
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035715.D
Acq On : 19 Dec 2024 21:47
Operator : RC/JU
Sample : P5261-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE122D2-20241209

Quant Time: Dec 19 23:11:51 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration



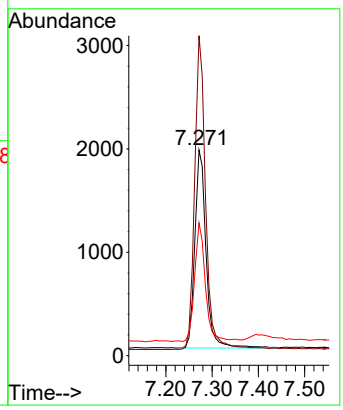


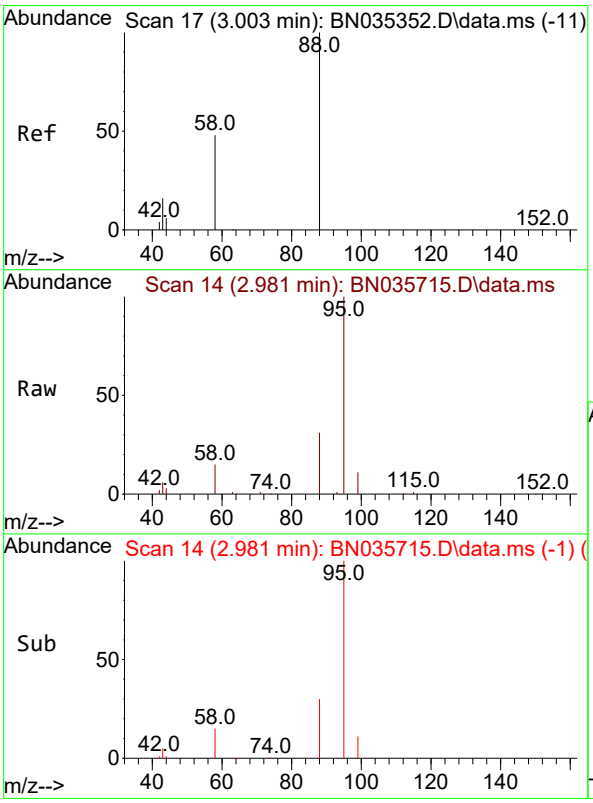
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.271 min Scan# 6
Delta R.T. -0.001 min
Lab File: BN035715.D
Acq: 19 Dec 2024 21:47

Instrument :
BNA_N
ClientSampleId :
RE122D2-20241209

Tgt Ion:152 Resp: 3267

Ion	Ratio	Lower	Upper
152	100		
150	155.6	124.0	186.0
115	64.6	49.6	74.4

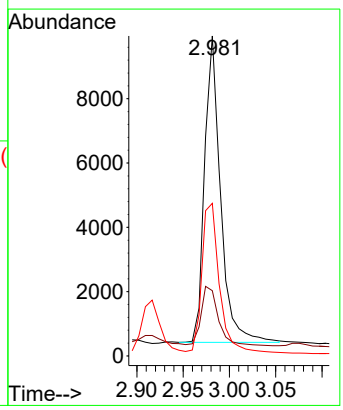


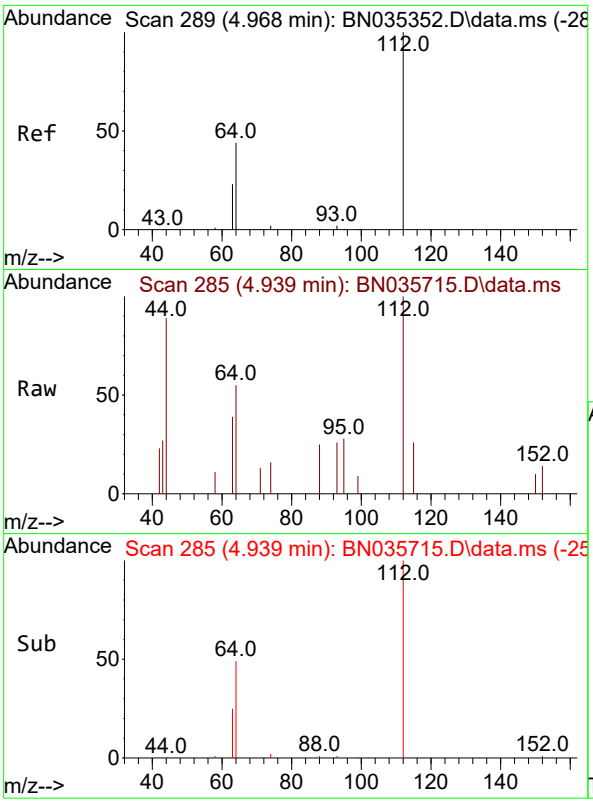


#2
1,4-Dioxane
Concen: 3.660 ng
RT: 2.981 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035715.D
Acq: 19 Dec 2024 21:47

Tgt Ion: 88 Resp: 11432

Ion	Ratio	Lower	Upper
88	100		
43	21.0	17.2	25.8
58	53.0	44.5	66.7



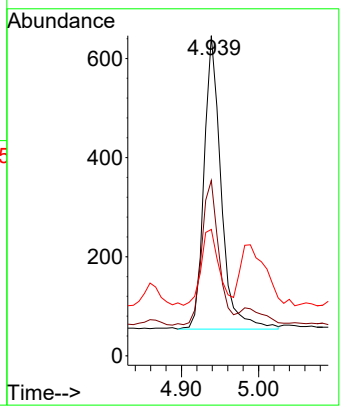


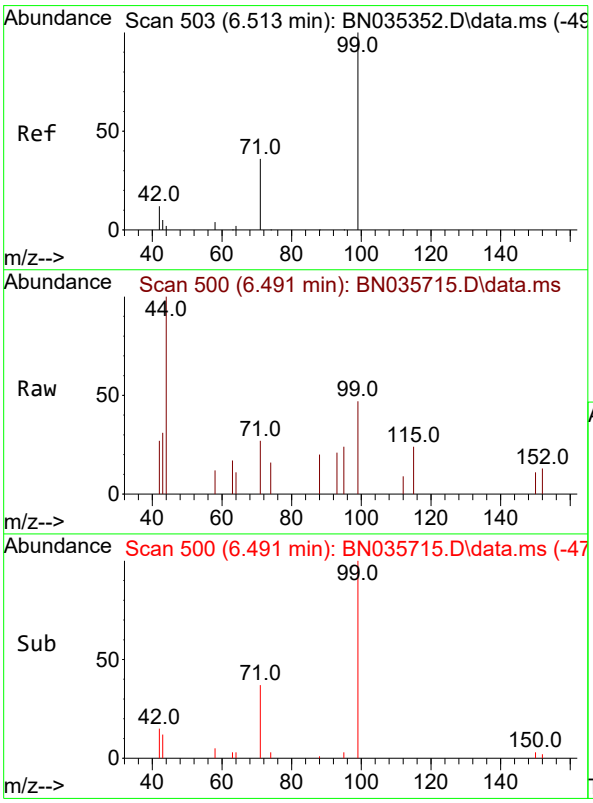
#4
2-Fluorophenol
Concen: 0.112 ng
RT: 4.939 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035715.D
Acq: 19 Dec 2024 21:47

Instrument :
BNA_N
ClientSampleId :
RE122D2-20241209

Tgt Ion:112 Resp: 913

Ion	Ratio	Lower	Upper
112	100		
64	48.6	39.8	59.8
63	27.8	21.0	31.6

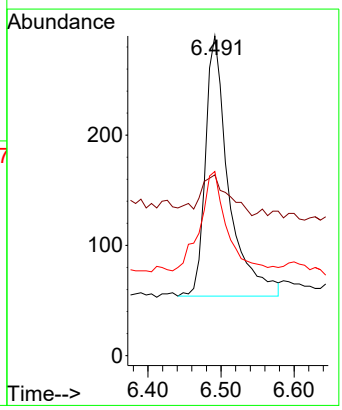


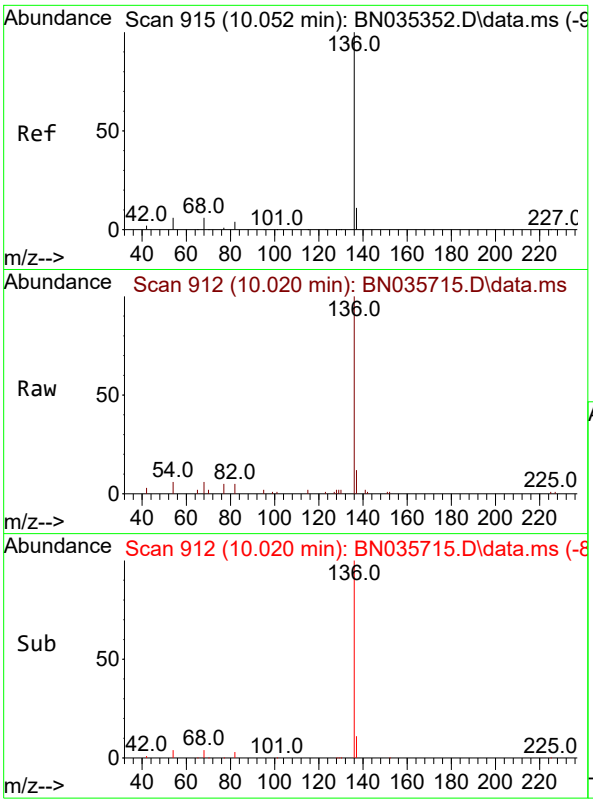


#5
Phenol-d6
Concen: 0.053 ng
RT: 6.491 min Scan# 500
Delta R.T. -0.000 min
Lab File: BN035715.D
Acq: 19 Dec 2024 21:47

Tgt Ion: 99 Resp: 523

Ion	Ratio	Lower	Upper
99	100		
42	17.4	11.4	17.2#
71	46.1	29.3	43.9#



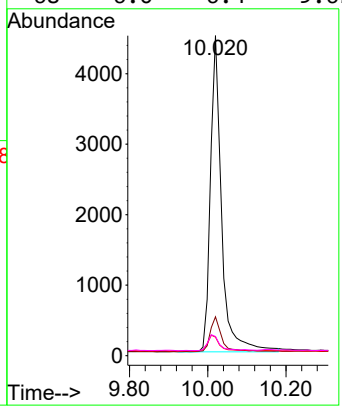


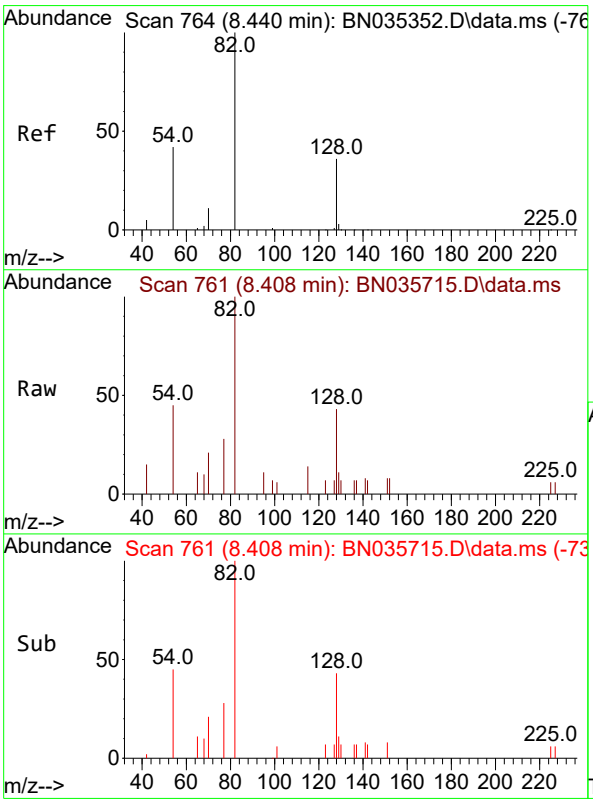
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.020 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN035715.D
Acq: 19 Dec 2024 21:47

Instrument :
BNA_N
ClientSampleId :
RE122D2-20241209

Tgt Ion:136 Resp: 8893

Ion	Ratio	Lower	Upper
136	100		
137	12.2	10.2	15.2
54	5.8	6.1	9.1#
68	6.0	6.4	9.6#

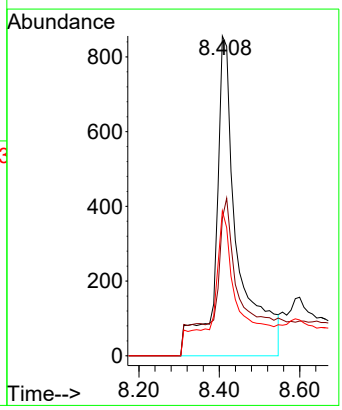


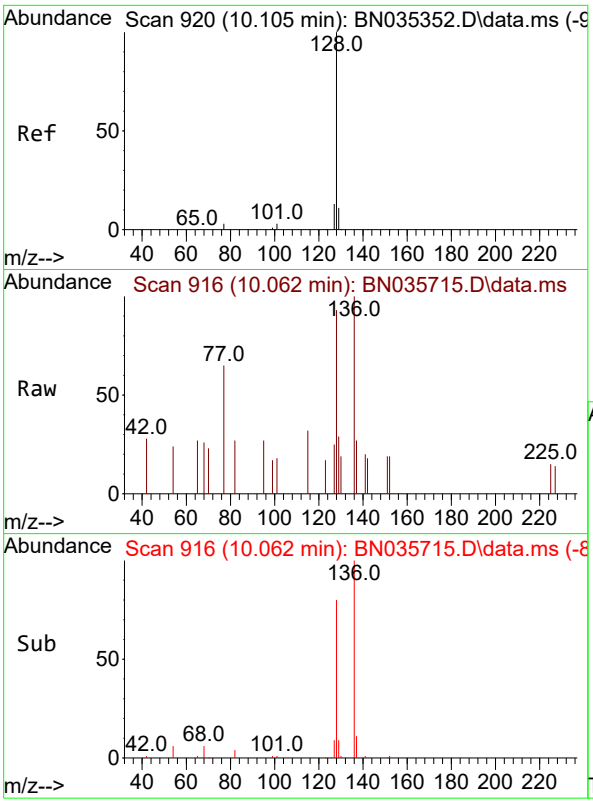


#8
Nitrobenzene-d5
Concen: 0.584 ng
RT: 8.408 min Scan# 761
Delta R.T. -0.000 min
Lab File: BN035715.D
Acq: 19 Dec 2024 21:47

Tgt Ion: 82 Resp: 3174

Ion	Ratio	Lower	Upper
82	100		
128	43.0	33.4	50.0
54	45.3	36.7	55.1



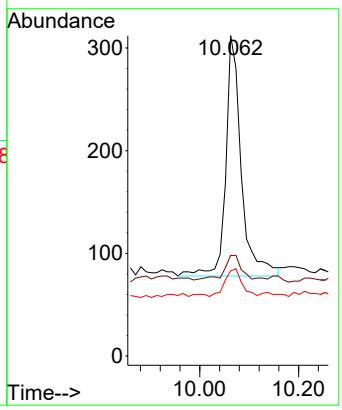


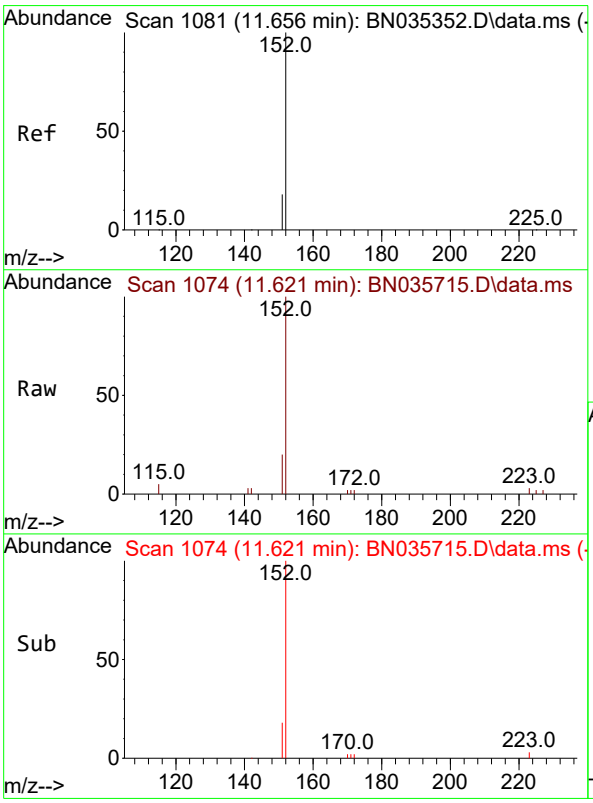
#9
Naphthalene
Concen: 0.022 ng
RT: 10.062 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN035715.D
Acq: 19 Dec 2024 21:47

Instrument :
BNA_N
ClientSampleId :
RE122D2-20241209

Tgt Ion:128 Resp: 510

Ion	Ratio	Lower	Upper
128	100		
129	31.4	9.8	14.6#
127	26.6	11.4	17.2#

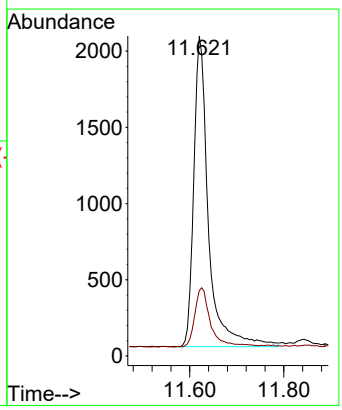


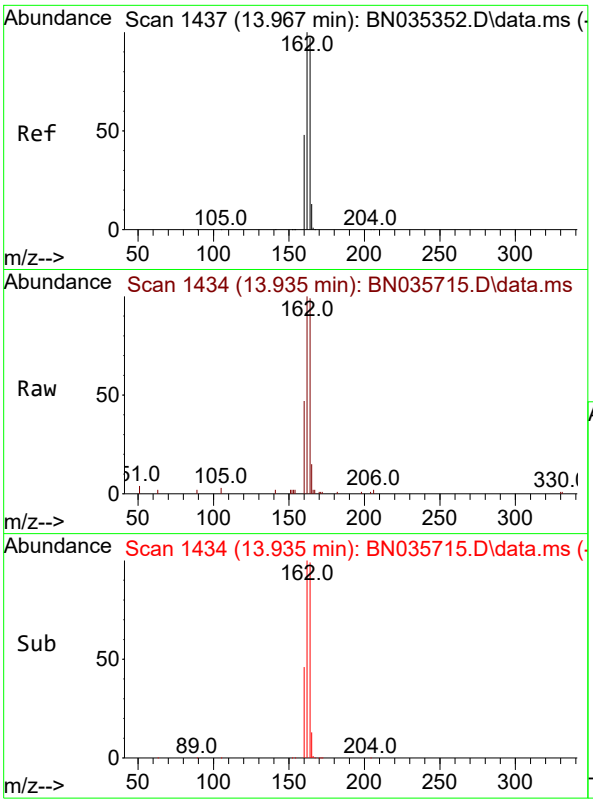


#11
2-Methylnaphthalene-d10
Concen: 0.317 ng
RT: 11.621 min Scan# 1074
Delta R.T. -0.000 min
Lab File: BN035715.D
Acq: 19 Dec 2024 21:47

Tgt Ion:152 Resp: 4418

Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.6	25.0



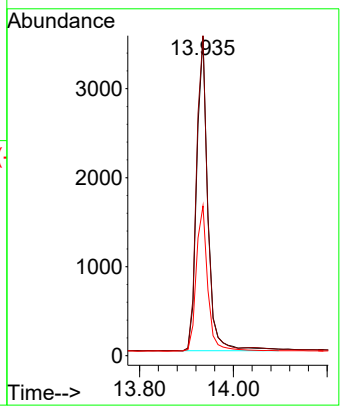


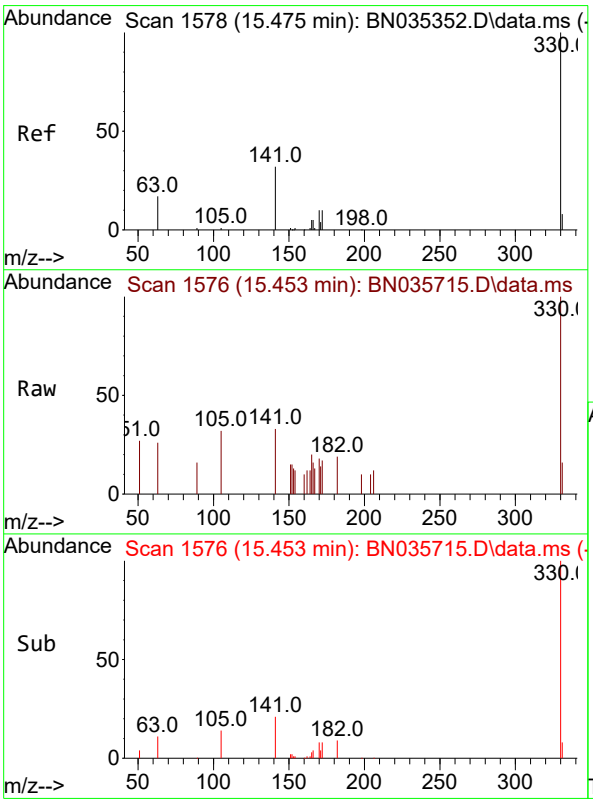
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.935 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035715.D
Acq: 19 Dec 2024 21:47

Instrument :
BNA_N
ClientSampleId :
RE122D2-20241209

Tgt Ion:164 Resp: 5822

Ion	Ratio	Lower	Upper
164	100		
162	100.7	82.2	123.2
160	47.1	40.1	60.1

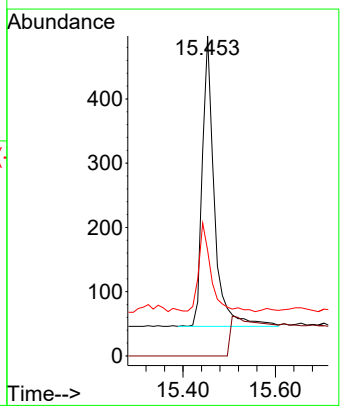


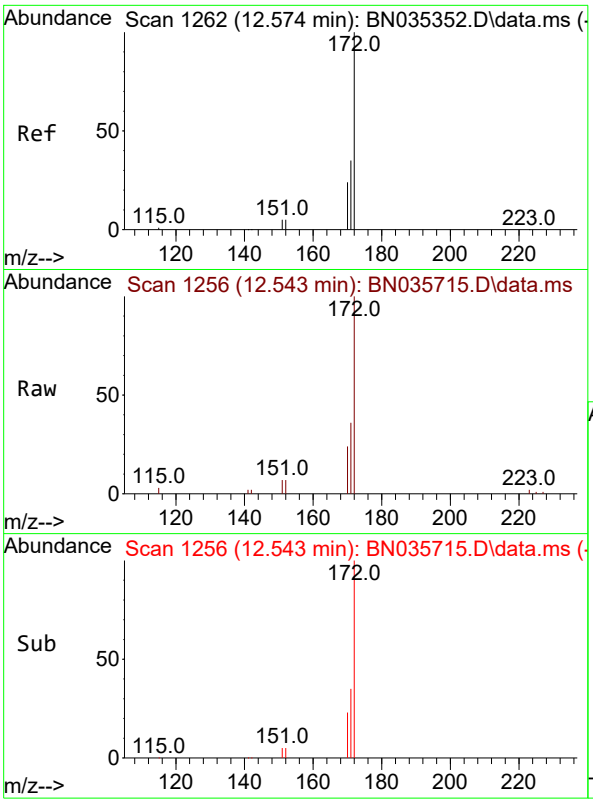


#14
2,4,6-Tribromophenol
Concen: 0.211 ng
RT: 15.453 min Scan# 1576
Delta R.T. -0.000 min
Lab File: BN035715.D
Acq: 19 Dec 2024 21:47

Tgt Ion:330 Resp: 873

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	30.1	26.6	40.0



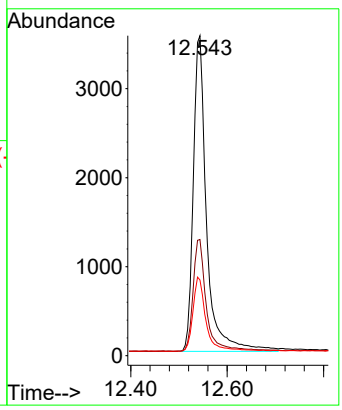


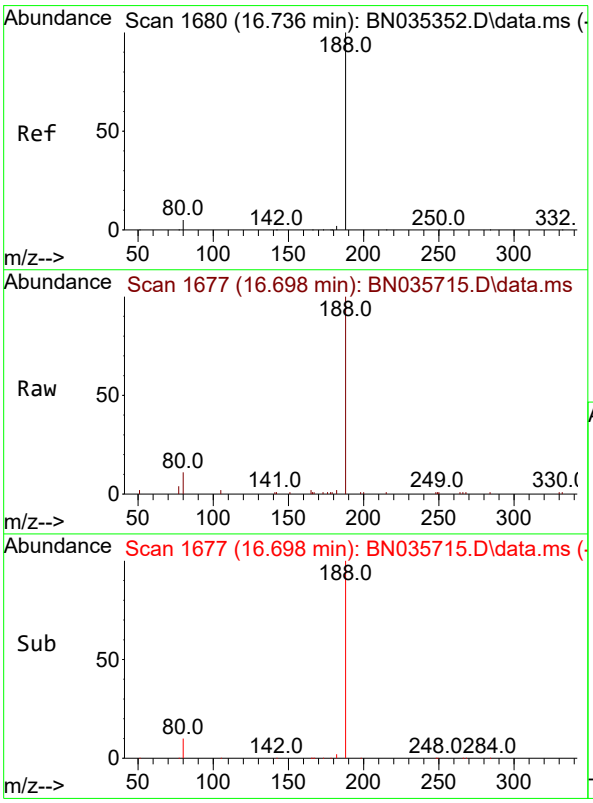
#15
2-Fluorobiphenyl
Concen: 0.309 ng
RT: 12.543 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035715.D
Acq: 19 Dec 2024 21:47

Instrument :
BNA_N
ClientSampleId :
RE122D2-20241209

Tgt Ion:172 Resp: 6793

Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.0	43.4
170	23.7	19.8	29.8

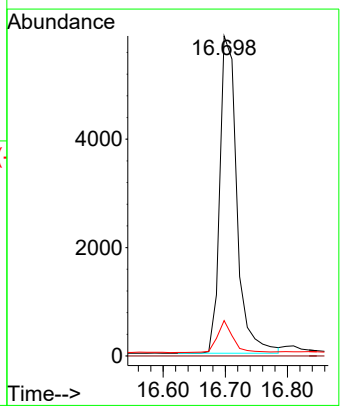


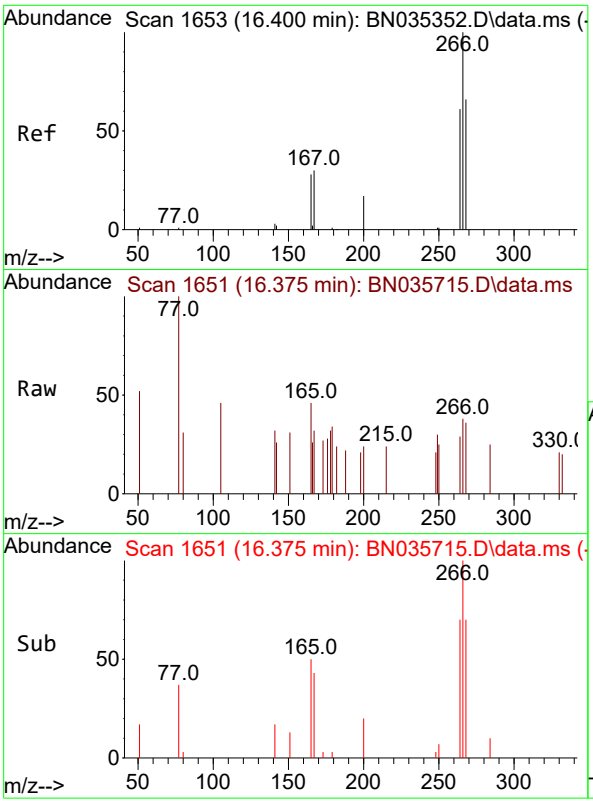


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.698 min Scan# 1677
Delta R.T. -0.000 min
Lab File: BN035715.D
Acq: 19 Dec 2024 21:47

Tgt Ion:188 Resp: 11137

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.1	4.6	6.8#



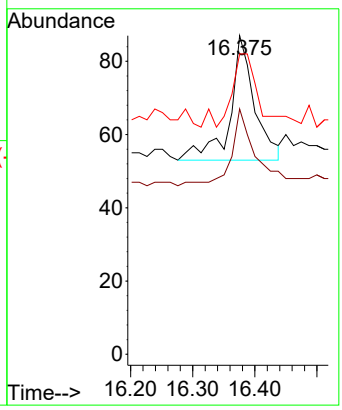


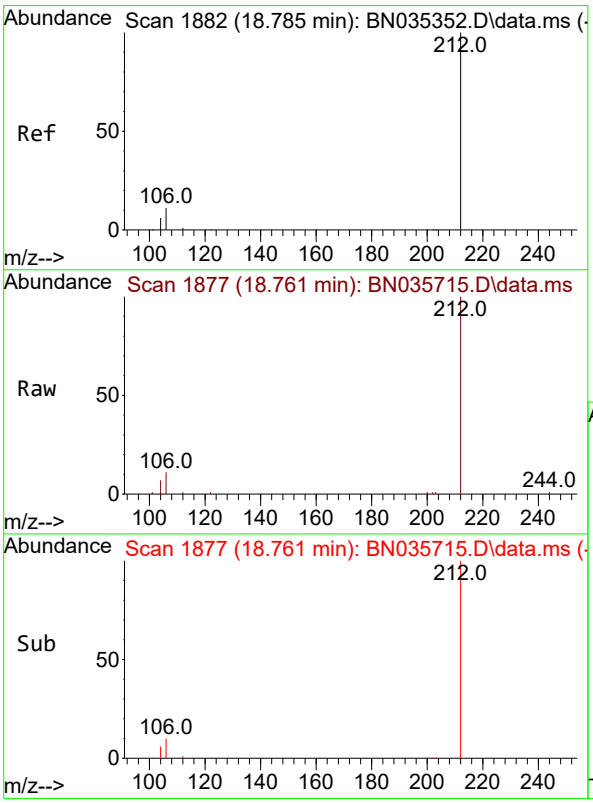
#24
Pentachlorophenol
Concen: 0.028 ng
RT: 16.375 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN035715.D
Acq: 19 Dec 2024 21:47

Instrument :
BNA_N
ClientSampleId :
RE122D2-20241209

Tgt Ion:266 Resp: 94

Ion	Ratio	Lower	Upper
266	100		
264	61.7	42.3	63.5
268	67.0	43.3	64.9#

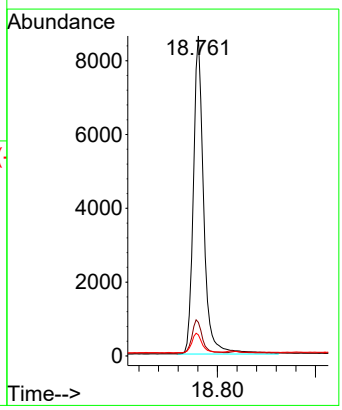


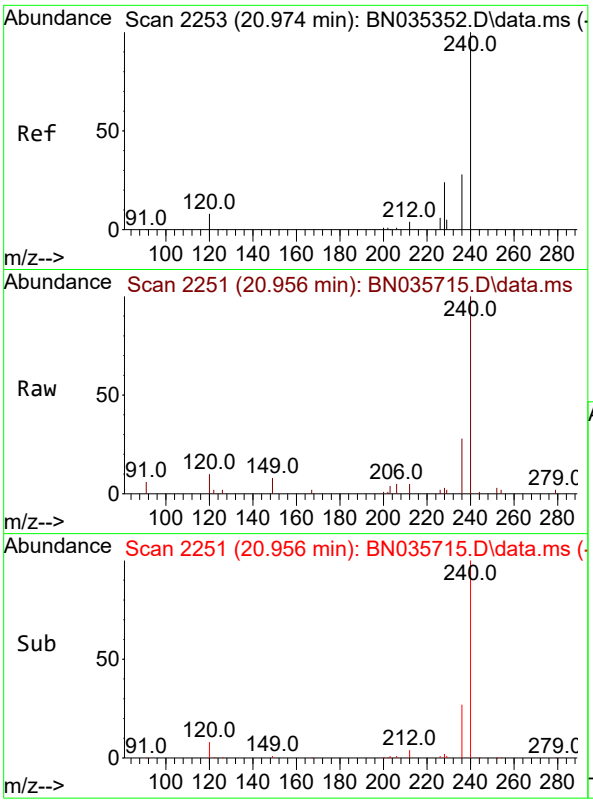


#27
Fluoranthene-d10
Concen: 0.398 ng
RT: 18.761 min Scan# 1877
Delta R.T. -0.000 min
Lab File: BN035715.D
Acq: 19 Dec 2024 21:47

Tgt Ion:212 Resp: 12573

Ion	Ratio	Lower	Upper
212	100		
106	10.6	9.2	13.8
104	6.3	5.3	7.9



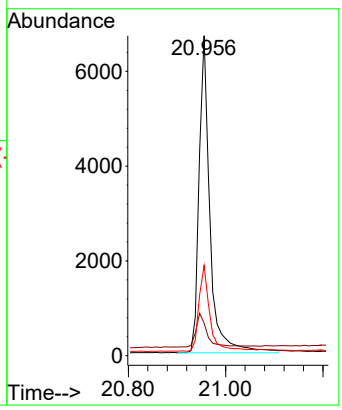


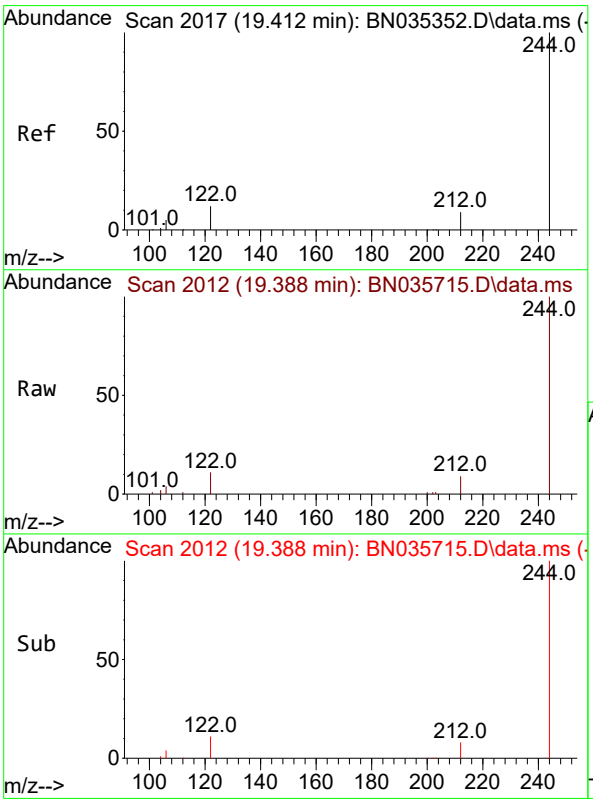
#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.956 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035715.D
Acq: 19 Dec 2024 21:47

Instrument :
BNA_N
ClientSampleId :
RE122D2-20241209

Tgt Ion:240 Resp: 10331

Ion	Ratio	Lower	Upper
240	100		
120	10.1	7.9	11.9
236	28.2	22.9	34.3

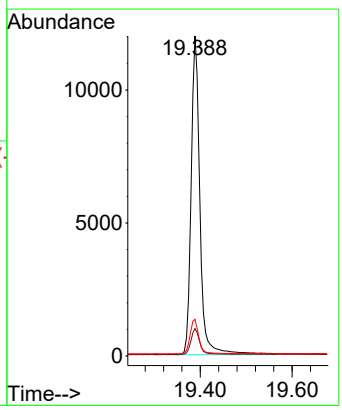


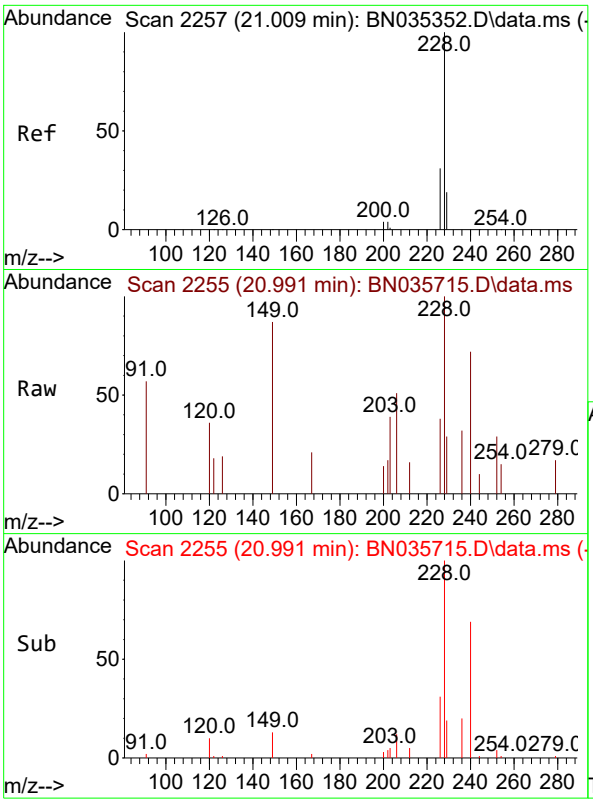


#31
Terphenyl-d14
Concen: 0.782 ng
RT: 19.388 min Scan# 2012
Delta R.T. -0.000 min
Lab File: BN035715.D
Acq: 19 Dec 2024 21:47

Tgt Ion:244 Resp: 15944

Ion	Ratio	Lower	Upper
244	100		
212	8.6	8.1	12.1
122	11.5	10.3	15.5



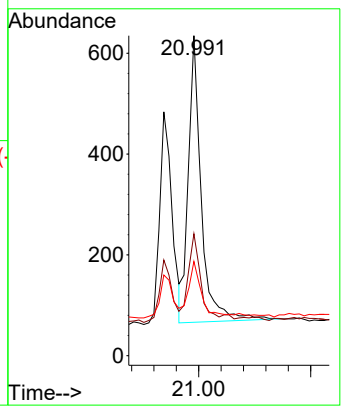


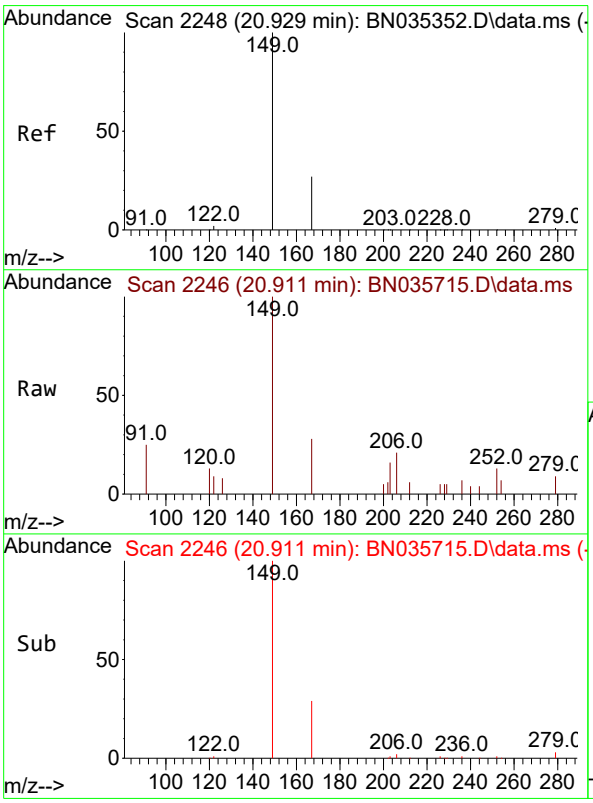
#33
Chrysene
Concen: 0.024 ng
RT: 20.991 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035715.D
Acq: 19 Dec 2024 21:47

Instrument :
BNA_N
ClientSampleId :
RE122D2-20241209

Tgt Ion:228 Resp: 911

Ion	Ratio	Lower	Upper
228	100		
226	38.1	24.6	37.0#
229	29.4	15.9	23.9#

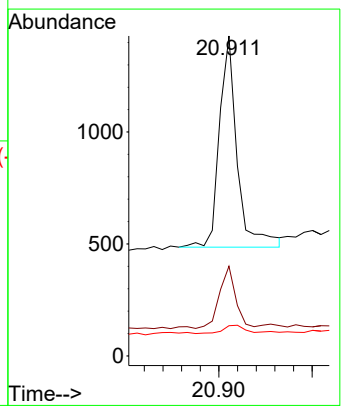


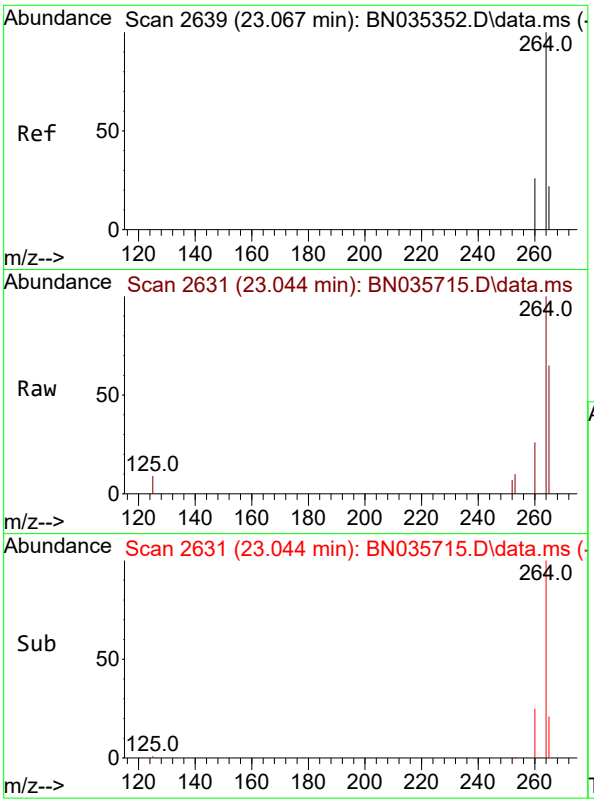


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.087 ng
RT: 20.911 min Scan# 2246
Delta R.T. -0.000 min
Lab File: BN035715.D
Acq: 19 Dec 2024 21:47

Tgt Ion:149 Resp: 1245

Ion	Ratio	Lower	Upper
149	100		
167	24.8	22.2	33.4
279	5.0	2.7	4.1#



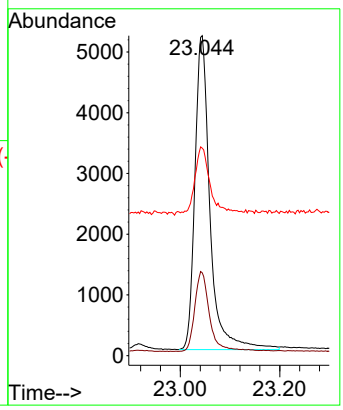


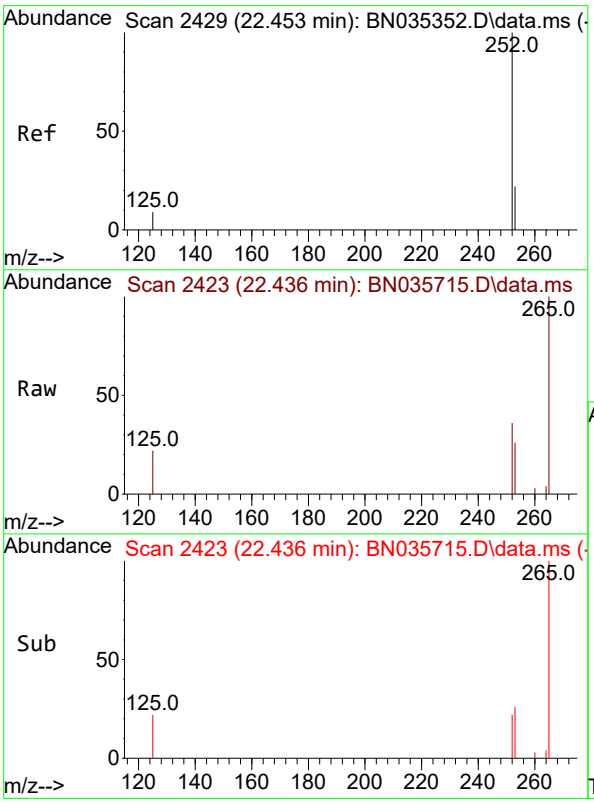
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.044 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN035715.D
Acq: 19 Dec 2024 21:47

Instrument :
BNA_N
ClientSampleId :
RE122D2-20241209

Tgt Ion:264 Resp: 10865

Ion	Ratio	Lower	Upper
264	100		
260	25.9	21.4	32.2
265	64.9	40.2	60.4#

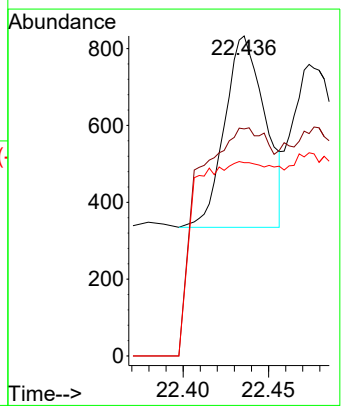




#37
Benzo(b)fluoranthene
Concen: 0.023 ng
RT: 22.436 min Scan# 2423
Delta R.T. 0.006 min
Lab File: BN035715.D
Acq: 19 Dec 2024 21:47

Tgt Ion:252 Resp: 908

Ion	Ratio	Lower	Upper
252	100		
253	70.9	19.6	29.4#
125	60.4	9.6	14.4#



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035716.D
Acq On : 19 Dec 2024 22:23
Operator : RC/JU
Sample : P5261-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE122D3-20241209

Quant Time: Dec 19 23:12:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.272	152	3243	0.400	ng	0.00
7) Naphthalene-d8	10.020	136	9120	0.400	ng	# 0.00
13) Acenaphthene-d10	13.935	164	6257	0.400	ng	0.00
19) Phenanthrene-d10	16.711	188	12060	0.400	ng	0.01
29) Chrysene-d12	20.956	240	10841	0.400	ng	0.00
35) Perylene-d12	23.044	264	12188	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.939	112	910	0.112	ng	0.00
5) Phenol-d6	6.492	99	515	0.053	ng	0.00
8) Nitrobenzene-d5	8.408	82	2306	0.414	ng	0.00
11) 2-Methylnaphthalene-d10	11.621	152	4807	0.337	ng	0.00
14) 2,4,6-Tribromophenol	15.453	330	875	0.197	ng	0.00
15) 2-Fluorobiphenyl	12.544	172	6829	0.289	ng	0.00
27) Fluoranthene-d10	18.761	212	12958	0.379	ng	0.00
31) Terphenyl-d14	19.389	244	13031	0.609	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.063	128	552	0.023	ng	# 55
34) Bis(2-ethylhexyl)phtha...	20.911	149	1257	0.084	ng	# 98
37) Benzo(b)fluoranthene	22.436	252	1246	0.028	ng	# 1

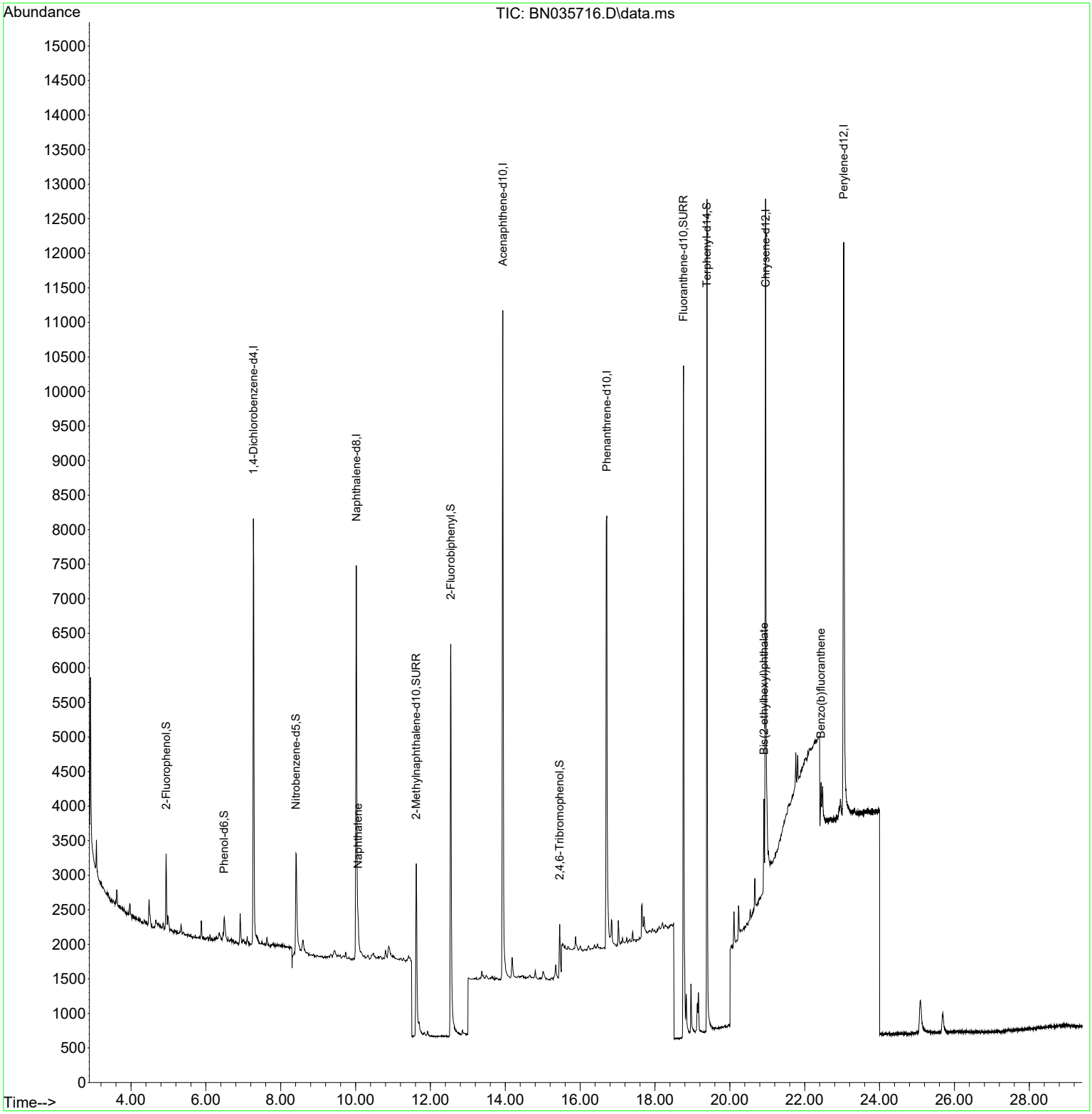
(#) = qualifier out of range (m) = manual integration (+) = signals summed

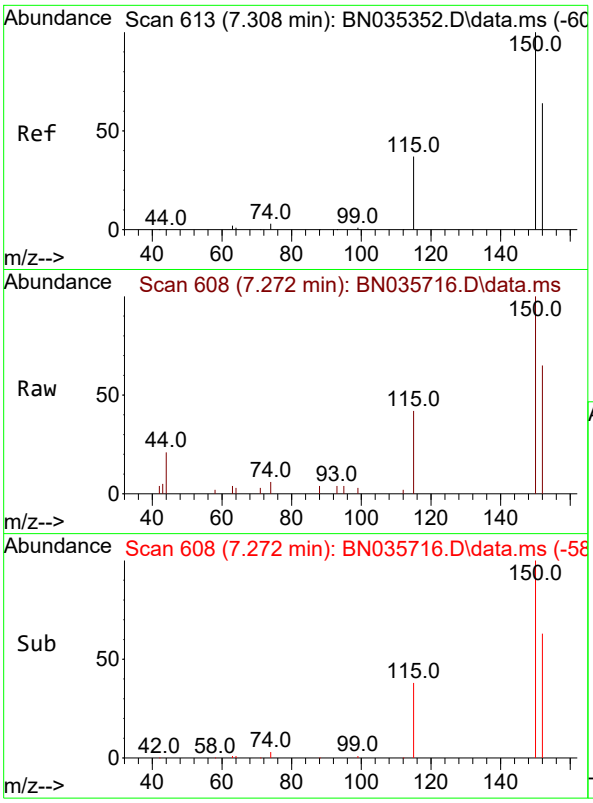
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035716.D
Acq On : 19 Dec 2024 22:23
Operator : RC/JU
Sample : P5261-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE122D3-20241209

Quant Time: Dec 19 23:12:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration



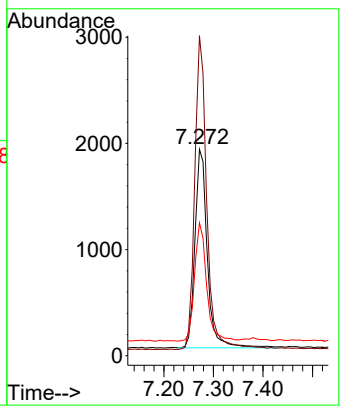


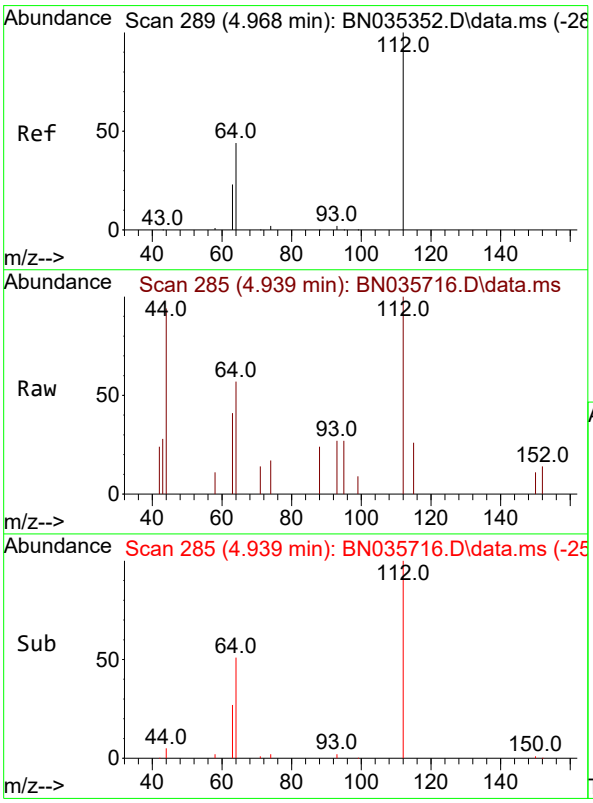
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.272 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN035716.D
Acq: 19 Dec 2024 22:23

Instrument :
BNA_N
ClientSampleId :
RE122D3-20241209

Tgt Ion:152 Resp: 3243

Ion	Ratio	Lower	Upper
152	100		
150	155.0	124.0	186.0
115	64.4	49.6	74.4

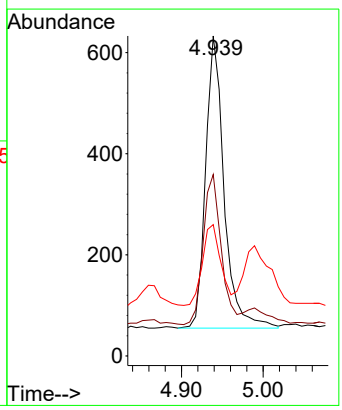


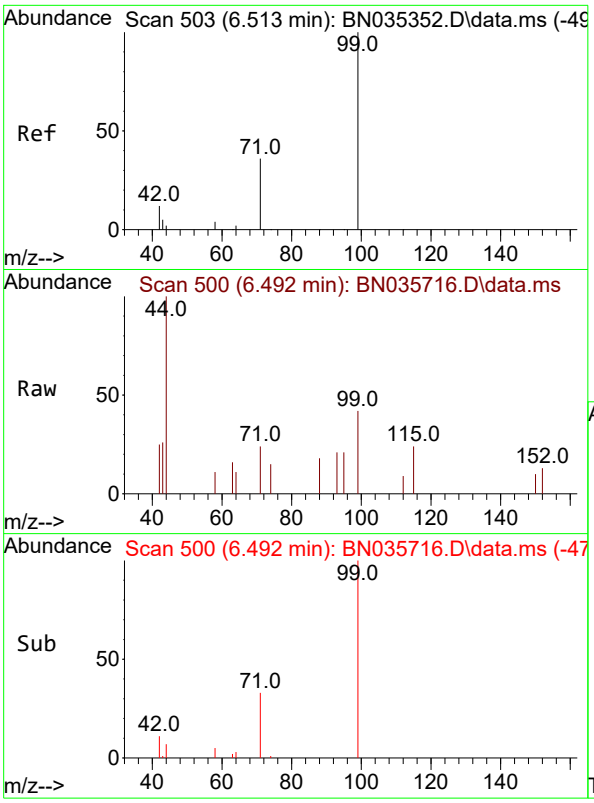


#4
2-Fluorophenol
Concen: 0.112 ng
RT: 4.939 min Scan# 285
Delta R.T. -0.000 min
Lab File: BN035716.D
Acq: 19 Dec 2024 22:23

Tgt Ion:112 Resp: 910

Ion	Ratio	Lower	Upper
112	100		
64	51.0	39.8	59.8
63	27.9	21.0	31.6



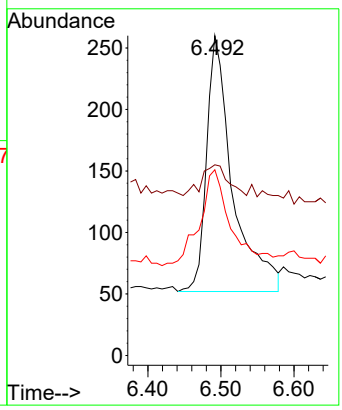


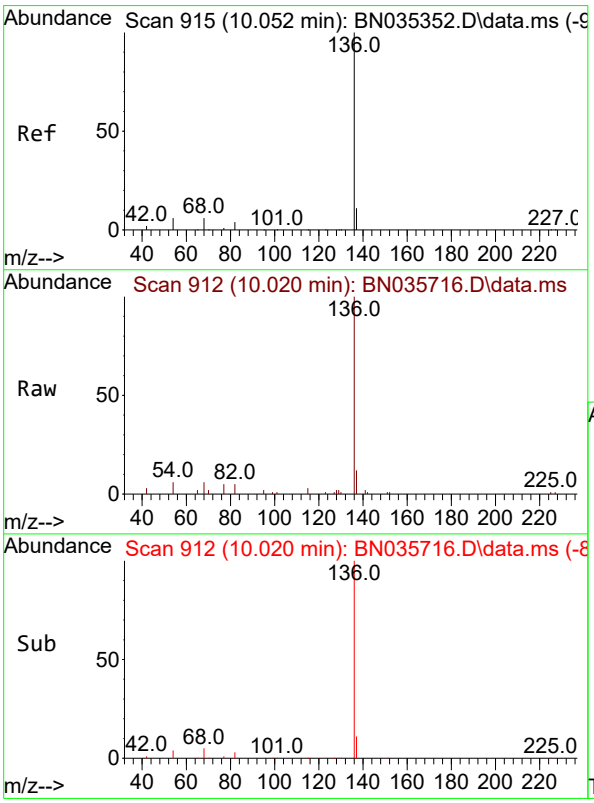
#5
Phenol-d6
Concen: 0.053 ng
RT: 6.492 min Scan# 5(
Delta R.T. -0.000 min
Lab File: BN035716.D
Acq: 19 Dec 2024 22:23

Instrument :
BNA_N
ClientSampleId :
RE122D3-20241209

Tgt Ion: 99 Resp: 515

Ion	Ratio	Lower	Upper
99	100		
42	12.8	11.4	17.2
71	45.0	29.3	43.9#

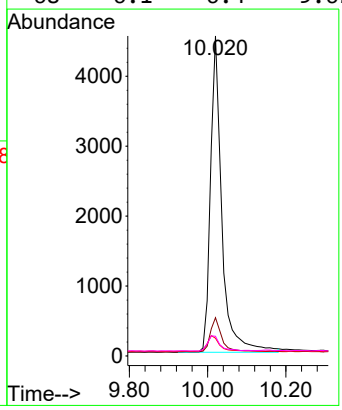


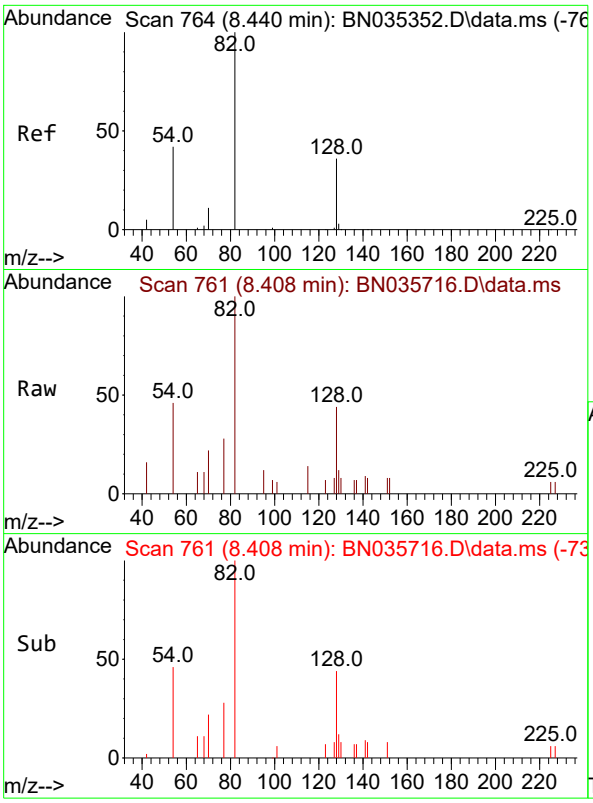


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.020 min Scan# 912
Delta R.T. -0.000 min
Lab File: BN035716.D
Acq: 19 Dec 2024 22:23

Tgt Ion:136 Resp: 9120

Ion	Ratio	Lower	Upper
136	100		
137	12.0	10.2	15.2
54	5.6	6.1	9.1#
68	6.1	6.4	9.6#



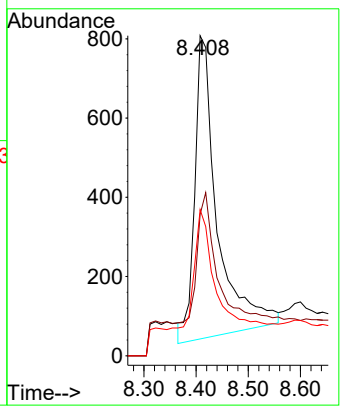


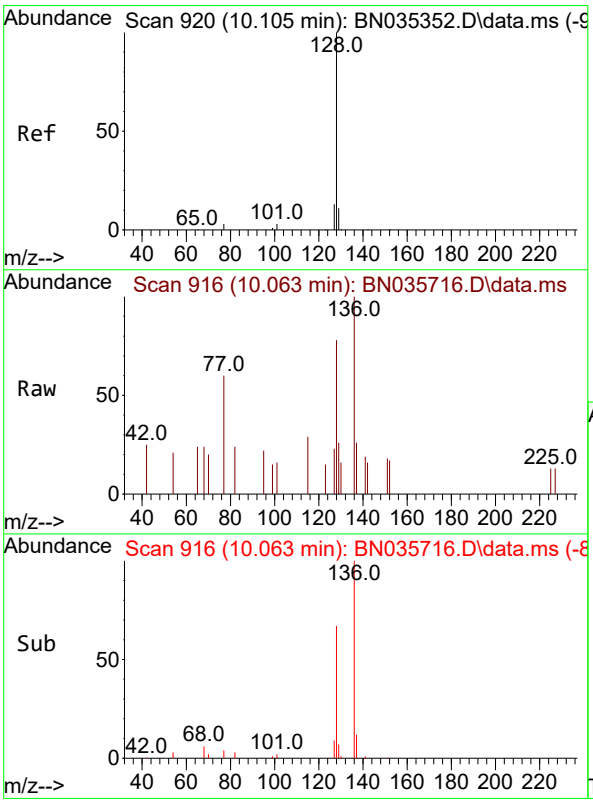
#8
Nitrobenzene-d5
Concen: 0.414 ng
RT: 8.408 min Scan# 7
Delta R.T. -0.000 min
Lab File: BN035716.D
Acq: 19 Dec 2024 22:23

Instrument :
BNA_N
ClientSampleId :
RE122D3-20241209

Tgt Ion: 82 Resp: 2306

Ion	Ratio	Lower	Upper
82	100		
128	44.2	33.4	50.0
54	45.7	36.7	55.1

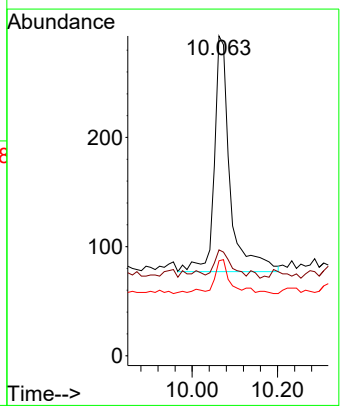


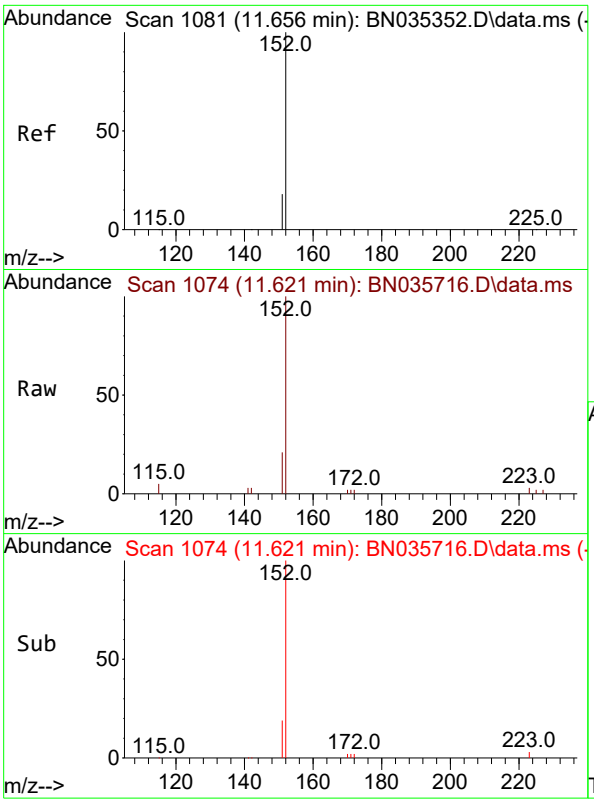


#9
Naphthalene
Concen: 0.023 ng
RT: 10.063 min Scan# 916
Delta R.T. -0.000 min
Lab File: BN035716.D
Acq: 19 Dec 2024 22:23

Tgt Ion:128 Resp: 552

Ion	Ratio	Lower	Upper
128	100		
129	33.1	9.8	14.6#
127	29.7	11.4	17.2#



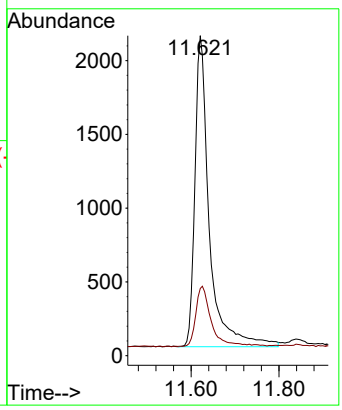


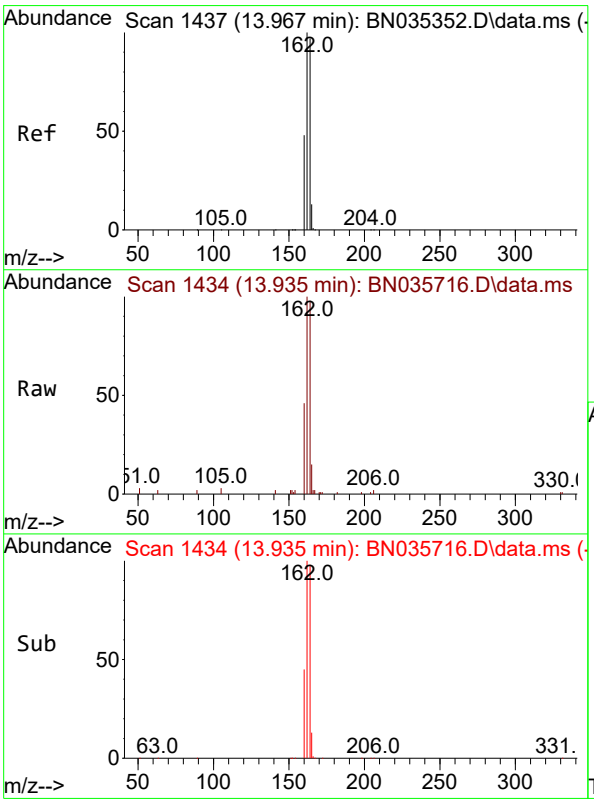
#11
2-Methylnaphthalene-d10
Concen: 0.337 ng
RT: 11.621 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035716.D
Acq: 19 Dec 2024 22:23

Instrument :
BNA_N
ClientSampleId :
RE122D3-20241209

Tgt Ion:152 Resp: 4807

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.6	25.0

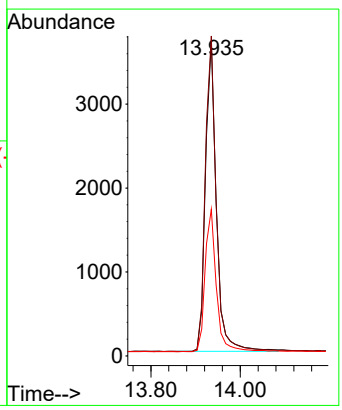


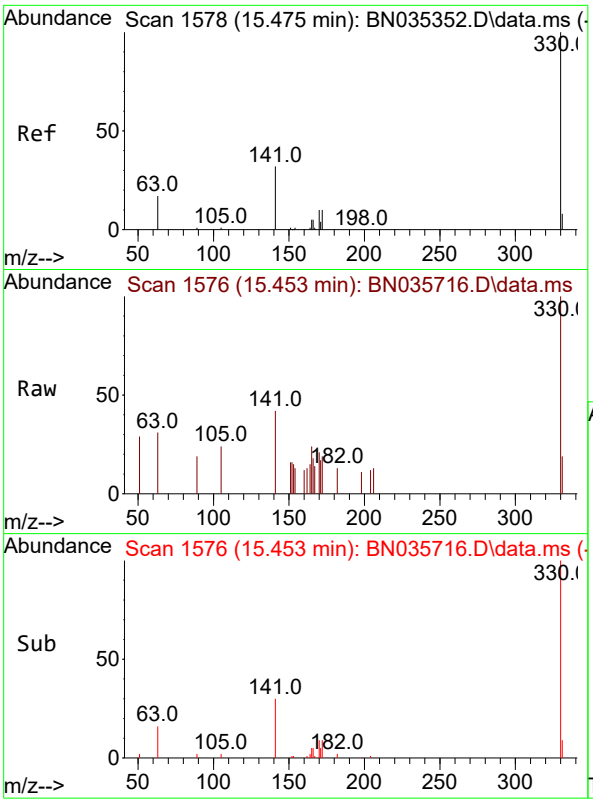


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.935 min Scan# 1434
Delta R.T. -0.000 min
Lab File: BN035716.D
Acq: 19 Dec 2024 22:23

Tgt Ion:164 Resp: 6257

Ion	Ratio	Lower	Upper
164	100		
162	101.7	82.2	123.2
160	46.6	40.1	60.1



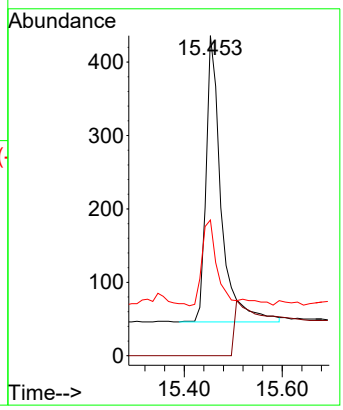


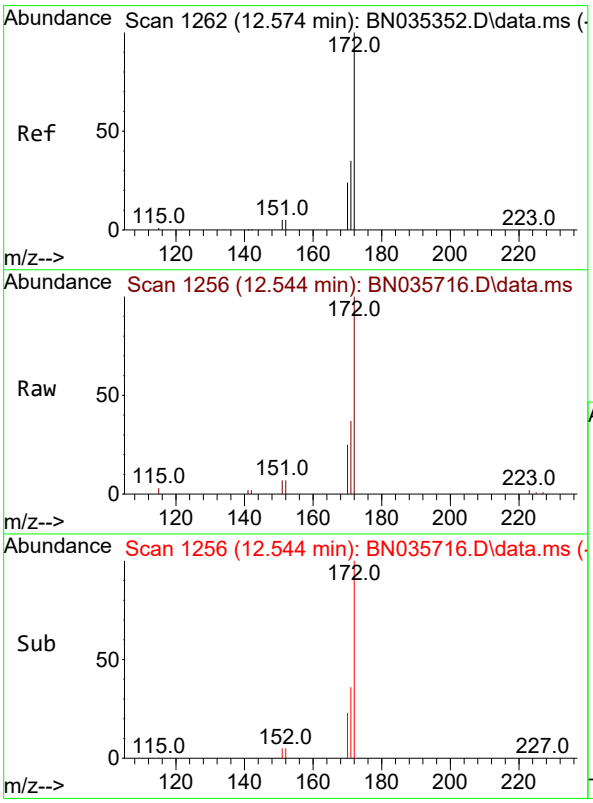
#14
2,4,6-Tribromophenol
Concen: 0.197 ng
RT: 15.453 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035716.D
Acq: 19 Dec 2024 22:23

Instrument :
BNA_N
ClientSampleId :
RE122D3-20241209

Tgt Ion:330 Resp: 875

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	28.3	26.6	40.0

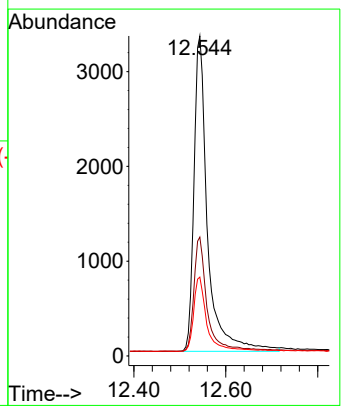


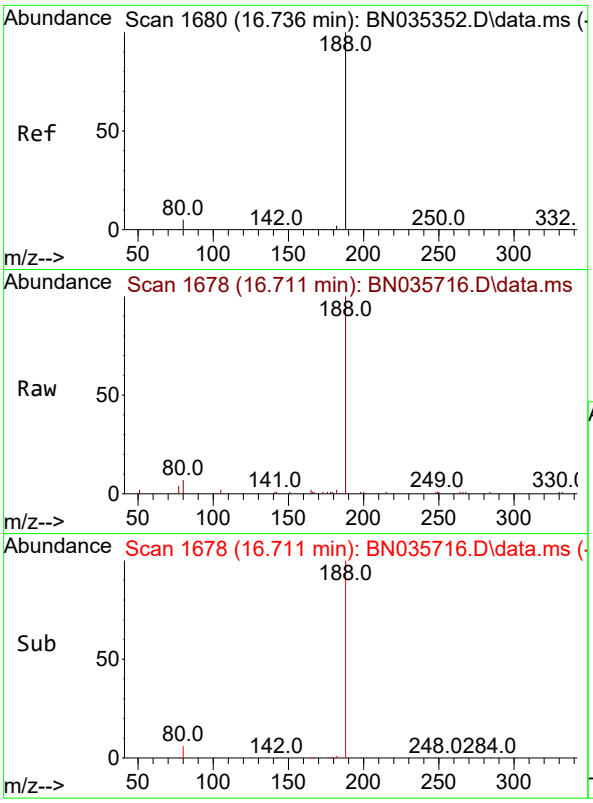


#15
2-Fluorobiphenyl
Concen: 0.289 ng
RT: 12.544 min Scan# 1256
Delta R.T. -0.000 min
Lab File: BN035716.D
Acq: 19 Dec 2024 22:23

Tgt Ion:172 Resp: 6829

Ion	Ratio	Lower	Upper
172	100		
171	37.2	29.0	43.4
170	24.7	19.8	29.8



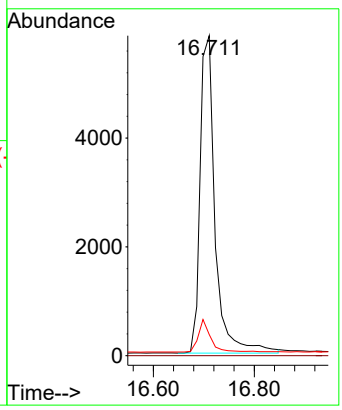


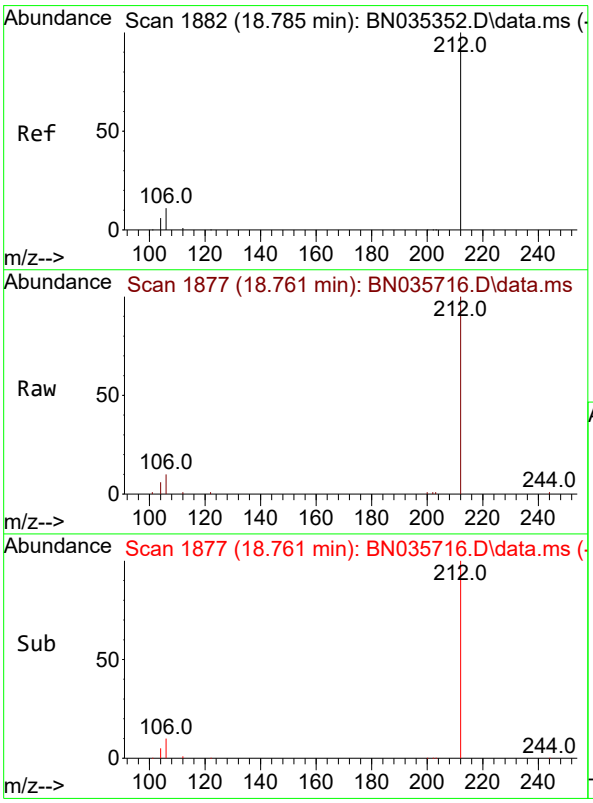
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.711 min Scan# 1(
Delta R.T. 0.012 min
Lab File: BN035716.D
Acq: 19 Dec 2024 22:23

Instrument :
BNA_N
ClientSampleId :
RE122D3-20241209

Tgt Ion:188 Resp: 12060

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.6	4.6	6.8

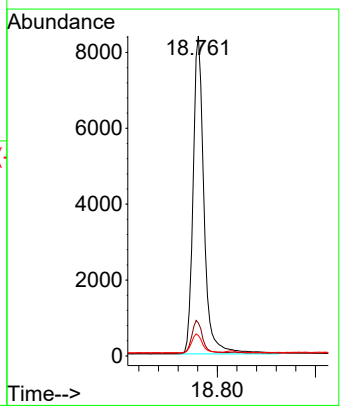


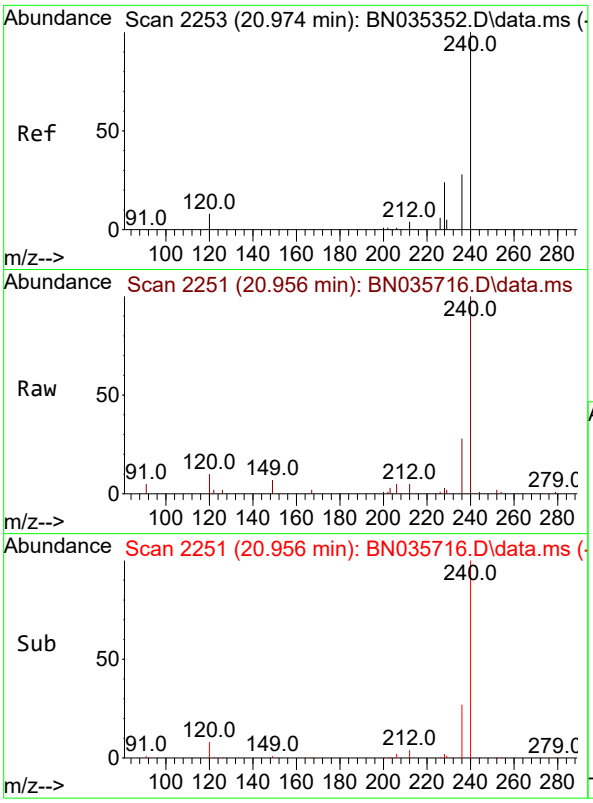


#27
Fluoranthene-d10
Concen: 0.379 ng
RT: 18.761 min Scan# 1877
Delta R.T. -0.000 min
Lab File: BN035716.D
Acq: 19 Dec 2024 22:23

Tgt Ion:212 Resp: 12958

Ion	Ratio	Lower	Upper
212	100		
106	10.3	9.2	13.8
104	5.9	5.3	7.9



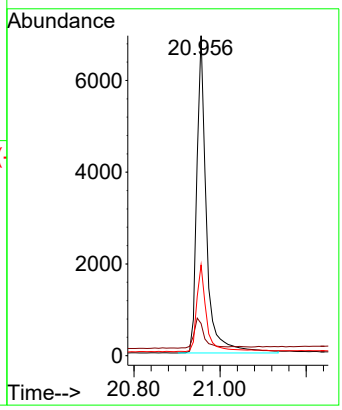


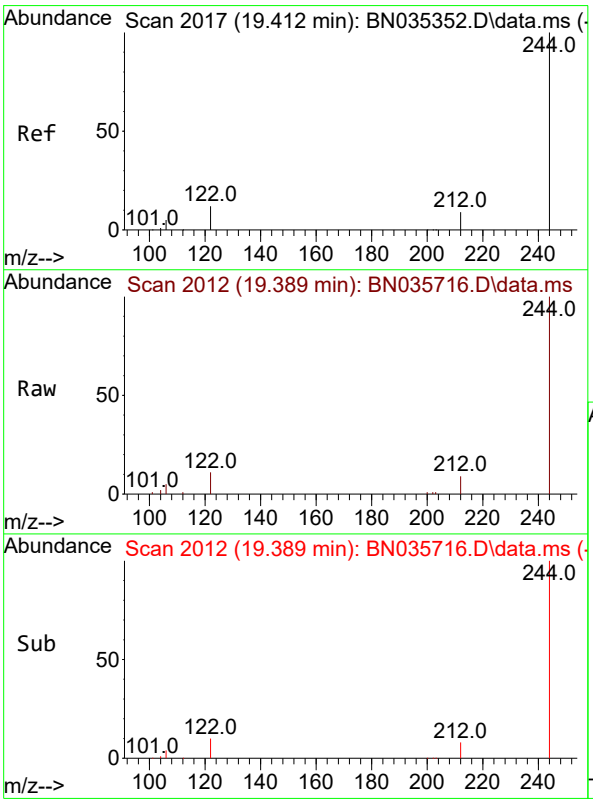
#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.956 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035716.D
Acq: 19 Dec 2024 22:23

Instrument :
BNA_N
ClientSampleId :
RE122D3-20241209

Tgt Ion:240 Resp: 10841

Ion	Ratio	Lower	Upper
240	100		
120	10.1	7.9	11.9
236	28.3	22.9	34.3

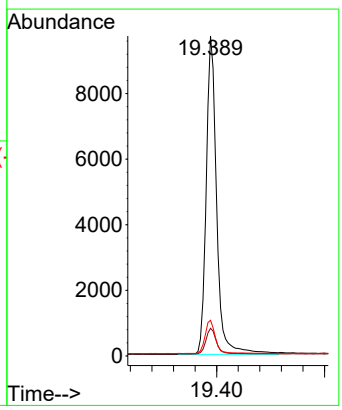


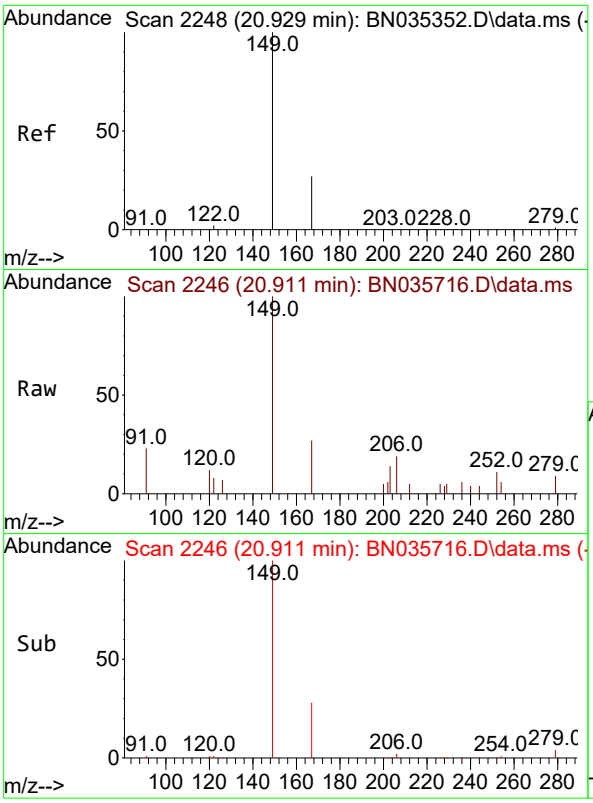


#31
Terphenyl-d14
Concen: 0.609 ng
RT: 19.389 min Scan# 2012
Delta R.T. -0.000 min
Lab File: BN035716.D
Acq: 19 Dec 2024 22:23

Tgt Ion:244 Resp: 13031

Ion	Ratio	Lower	Upper
244	100		
212	8.6	8.1	12.1
122	11.1	10.3	15.5



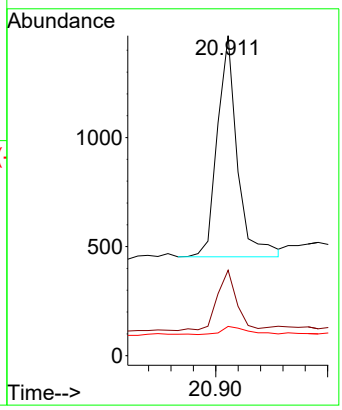


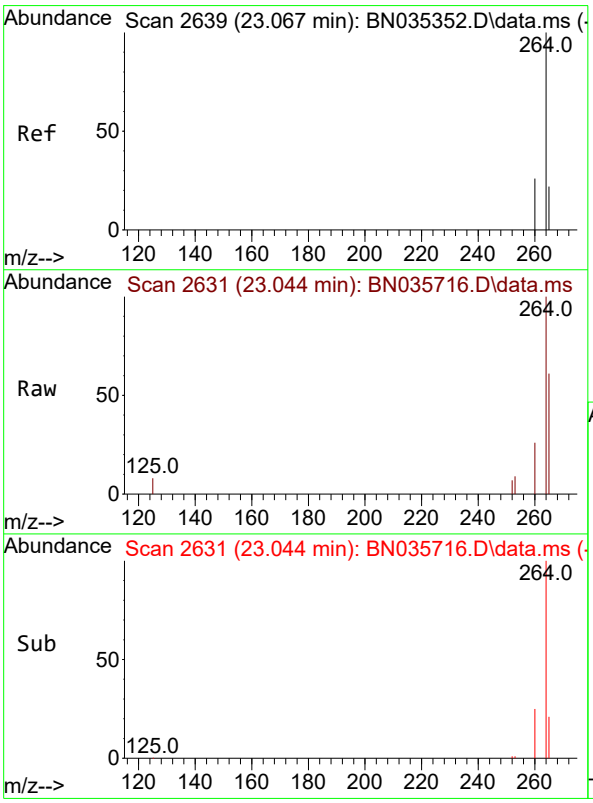
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.084 ng
RT: 20.911 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035716.D
Acq: 19 Dec 2024 22:23

Instrument :
BNA_N
ClientSampleId :
RE122D3-20241209

Tgt Ion:149 Resp: 1257

Ion	Ratio	Lower	Upper
149	100		
167	26.7	22.2	33.4
279	4.4	2.7	4.1#

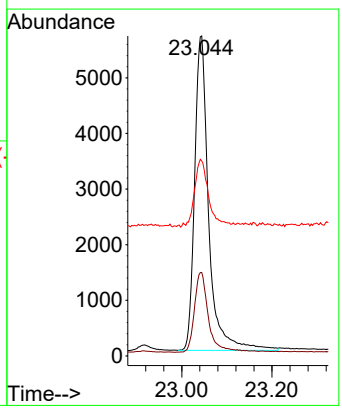


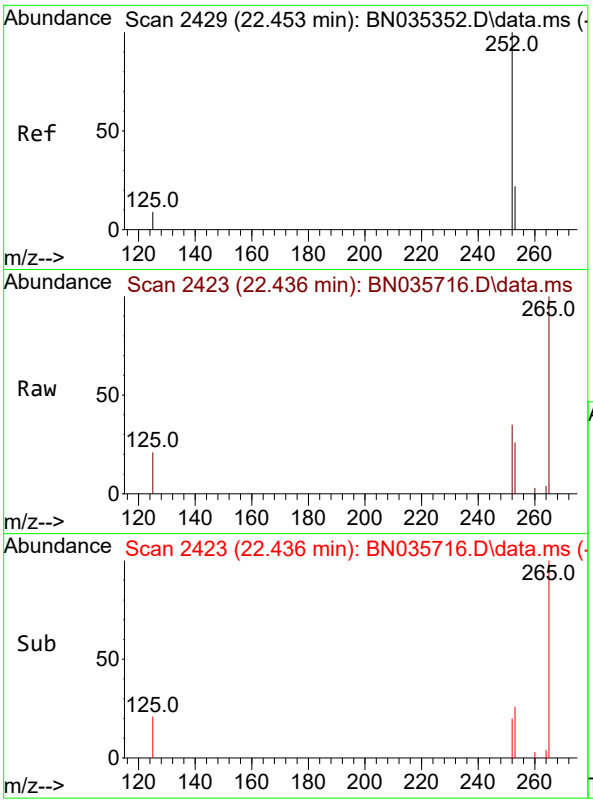


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.044 min Scan# 2631
Delta R.T. 0.003 min
Lab File: BN035716.D
Acq: 19 Dec 2024 22:23

Tgt Ion:264 Resp: 12188

Ion	Ratio	Lower	Upper
264	100		
260	26.1	21.4	32.2
265	60.9	40.2	60.4#



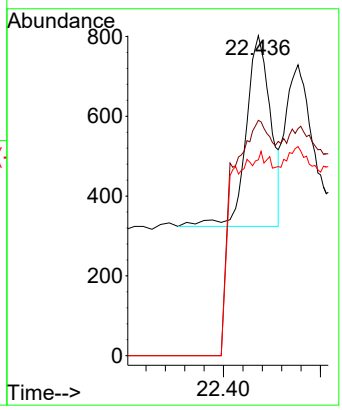


#37
Benzo(b)fluoranthene
Concen: 0.028 ng
RT: 22.436 min Scan# 24
Delta R.T. 0.006 min
Lab File: BN035716.D
Acq: 19 Dec 2024 22:23

Instrument :
BNA_N
ClientSampleId :
RE122D3-20241209

Tgt Ion:252 Resp: 1246

Ion	Ratio	Lower	Upper
252	100		
253	73.6	19.6	29.4#
125	61.2	9.6	14.4#



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035717.D
Acq On : 19 Dec 2024 22:58
Operator : RC/JU
Sample : P5261-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE103D1-20241209

Quant Time: Dec 19 23:24:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.271	152	3204	0.400	ng	0.00
7) Naphthalene-d8	10.020	136	8678	0.400	ng	# 0.00
13) Acenaphthene-d10	13.935	164	5798	0.400	ng	0.00
19) Phenanthrene-d10	16.711	188	11698	0.400	ng	# 0.01
29) Chrysene-d12	20.956	240	9672	0.400	ng	0.00
35) Perylene-d12	23.041	264	10672	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.939	112	1012	0.126	ng	0.00
5) Phenol-d6	6.491	99	568	0.059	ng	0.00
8) Nitrobenzene-d5	8.418	82	3342	0.631	ng	0.01
11) 2-Methylnaphthalene-d10	11.621	152	5070	0.373	ng	0.00
14) 2,4,6-Tribromophenol	15.453	330	803	0.195	ng	0.00
15) 2-Fluorobiphenyl	12.538	172	7328	0.334	ng	0.00
27) Fluoranthene-d10	18.761	212	12807	0.386	ng	0.00
31) Terphenyl-d14	19.388	244	11139	0.584	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.981	88	16192	5.286	ng	99
34) Bis(2-ethylhexyl)phtha...	20.911	149	1174	0.088	ng	# 96

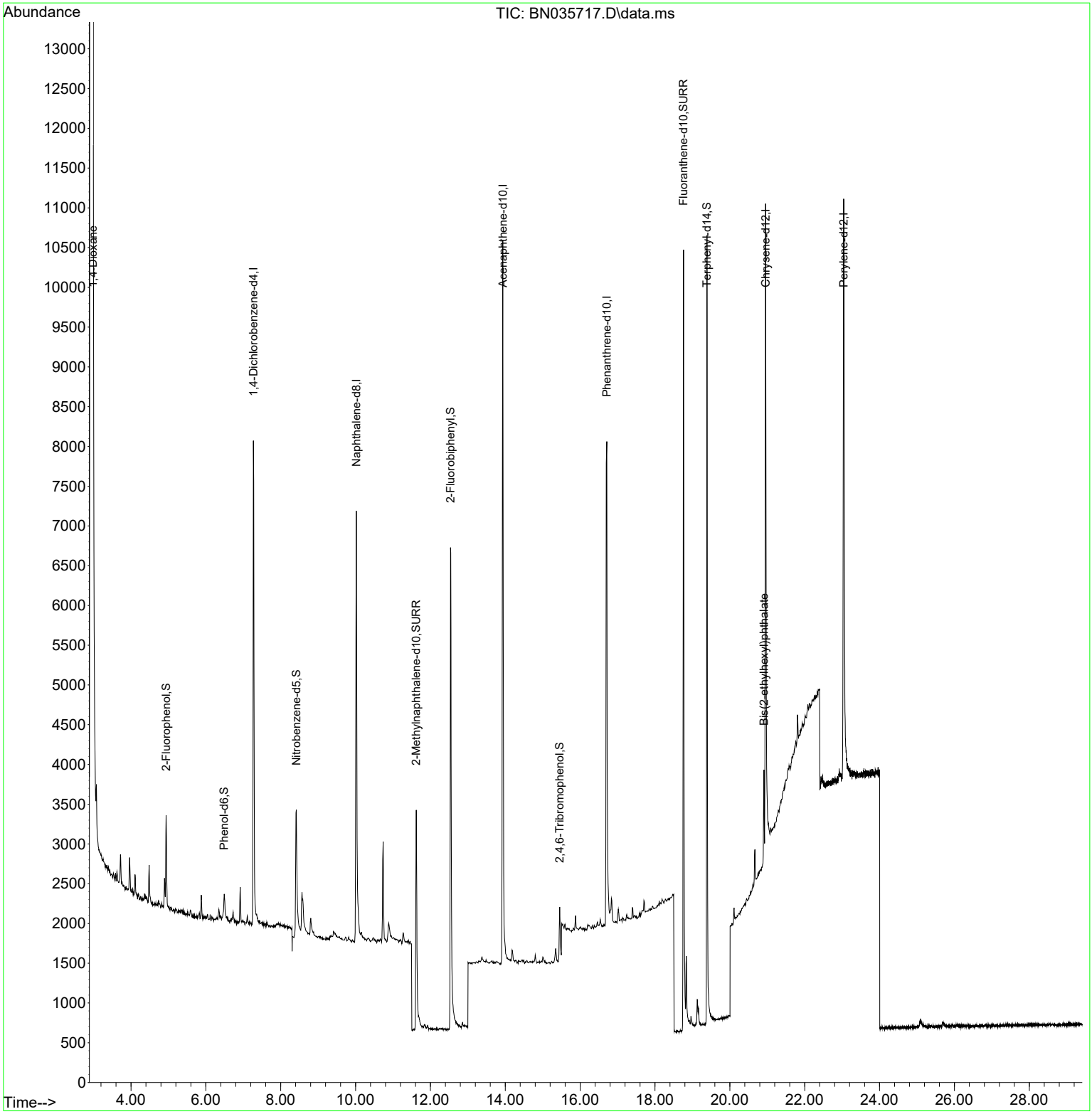
(#) = qualifier out of range (m) = manual integration (+) = signals summed

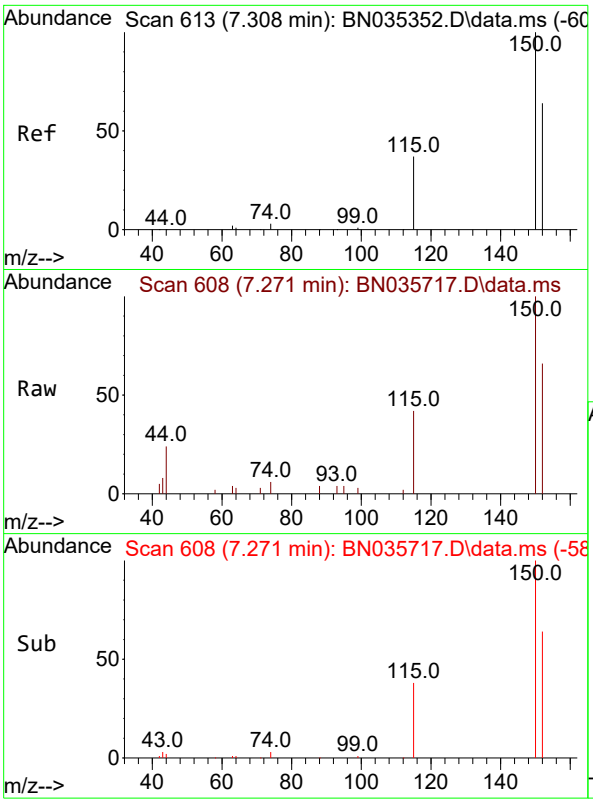
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035717.D
Acq On : 19 Dec 2024 22:58
Operator : RC/JU
Sample : P5261-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE103D1-20241209

Quant Time: Dec 19 23:24:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration



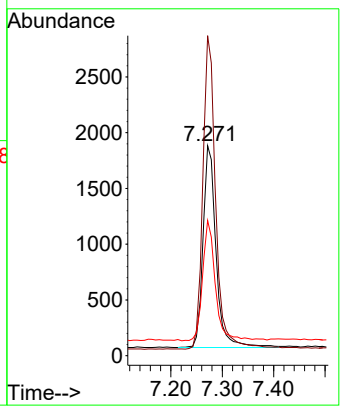


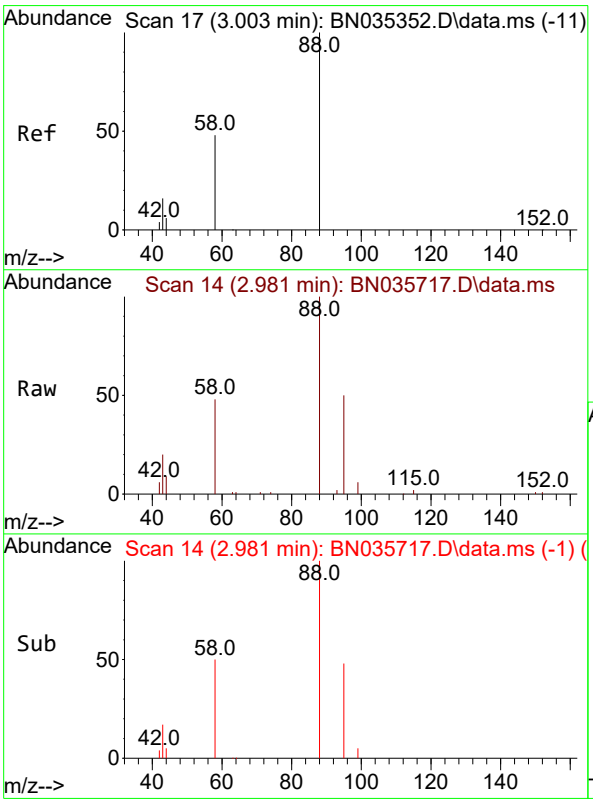
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.271 min Scan# 6
Delta R.T. -0.001 min
Lab File: BN035717.D
Acq: 19 Dec 2024 22:58

Instrument :
BNA_N
ClientSampleId :
RE103D1-20241209

Tgt Ion:152 Resp: 3204

Ion	Ratio	Lower	Upper
152	100		
150	152.4	124.0	186.0
115	64.4	49.6	74.4

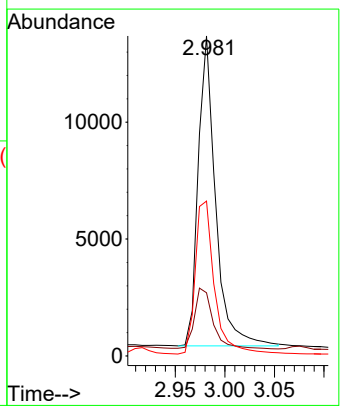


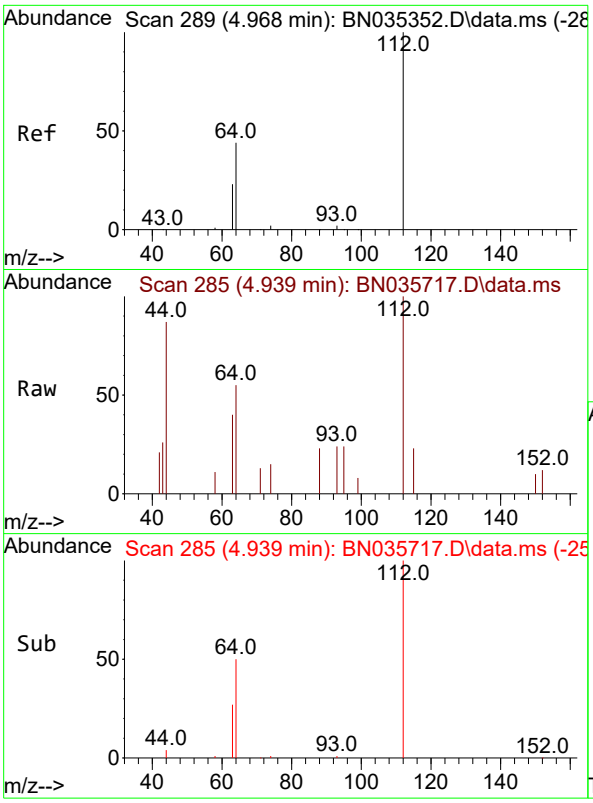


#2
1,4-Dioxane
Concen: 5.286 ng
RT: 2.981 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035717.D
Acq: 19 Dec 2024 22:58

Tgt Ion: 88 Resp: 16192

Ion	Ratio	Lower	Upper
88	100		
43	21.0	17.2	25.8
58	54.5	44.5	66.7



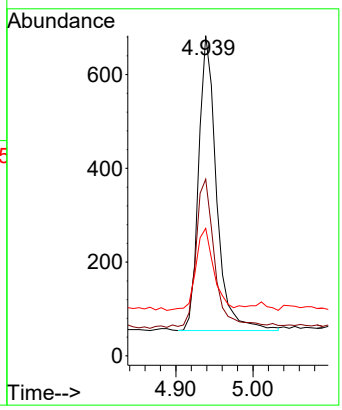


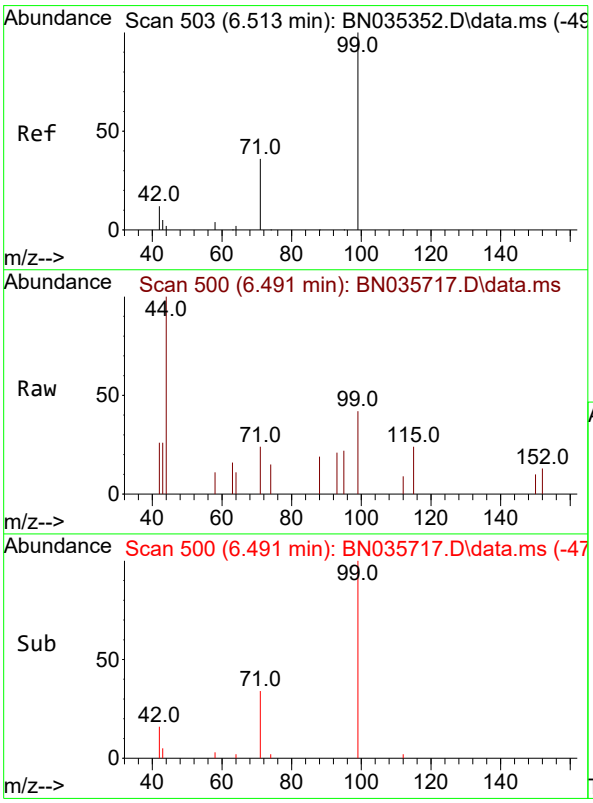
#4
2-Fluorophenol
Concen: 0.126 ng
RT: 4.939 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035717.D
Acq: 19 Dec 2024 22:58

Instrument :
BNA_N
ClientSampleId :
RE103D1-20241209

Tgt Ion:112 Resp: 1012

Ion	Ratio	Lower	Upper
112	100		
64	52.3	39.8	59.8
63	27.8	21.0	31.6

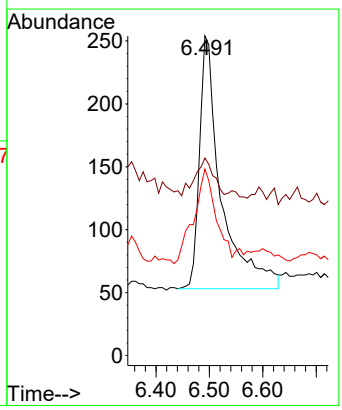


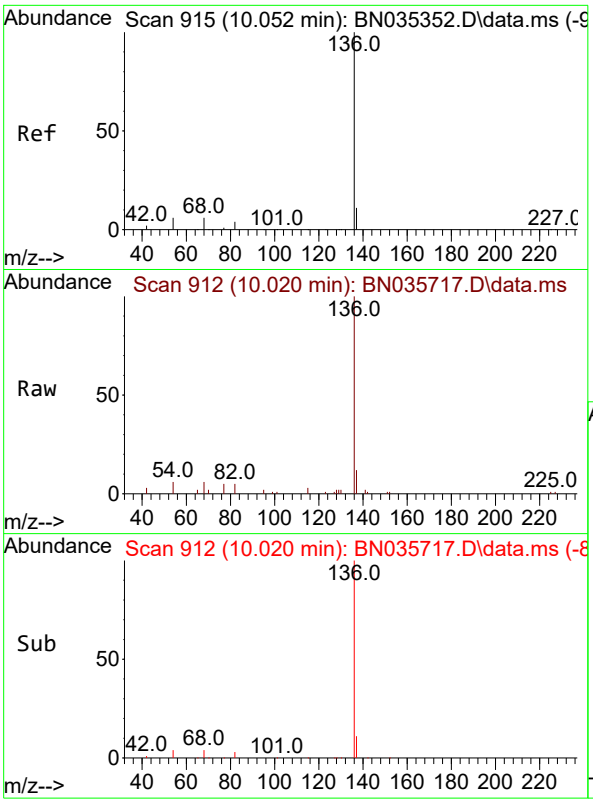


#5
Phenol-d6
Concen: 0.059 ng
RT: 6.491 min Scan# 500
Delta R.T. -0.000 min
Lab File: BN035717.D
Acq: 19 Dec 2024 22:58

Tgt Ion: 99 Resp: 568

Ion	Ratio	Lower	Upper
99	100		
42	12.3	11.4	17.2
71	39.3	29.3	43.9



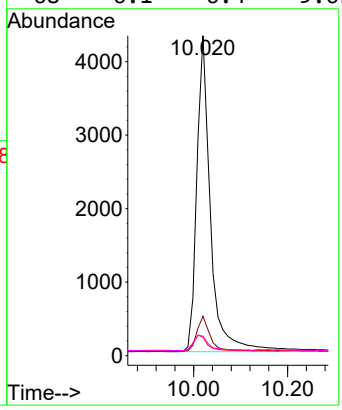


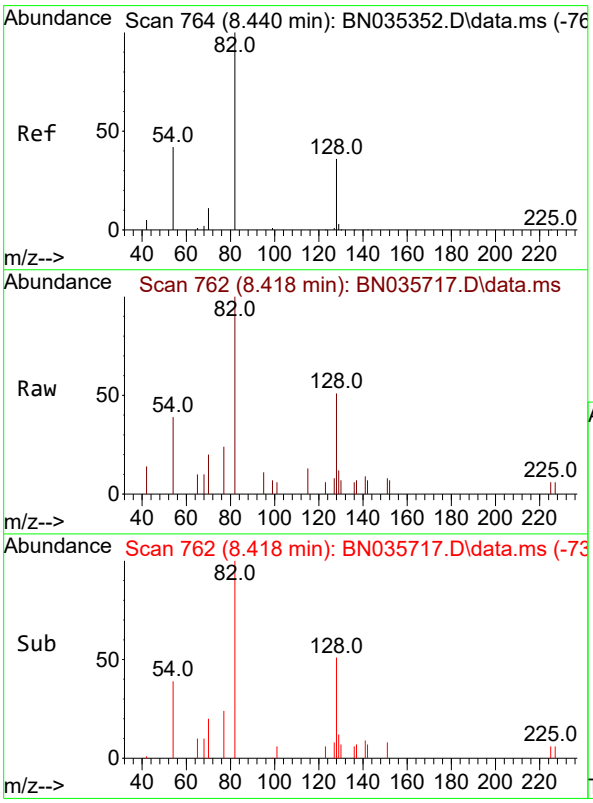
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.020 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN035717.D
Acq: 19 Dec 2024 22:58

Instrument :
BNA_N
ClientSampleId :
RE103D1-20241209

Tgt Ion:136 Resp: 8678

Ion	Ratio	Lower	Upper
136	100		
137	12.3	10.2	15.2
54	5.8	6.1	9.1#
68	6.1	6.4	9.6#

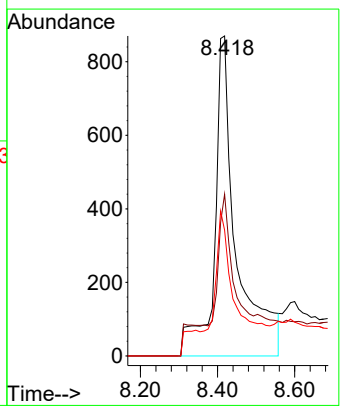


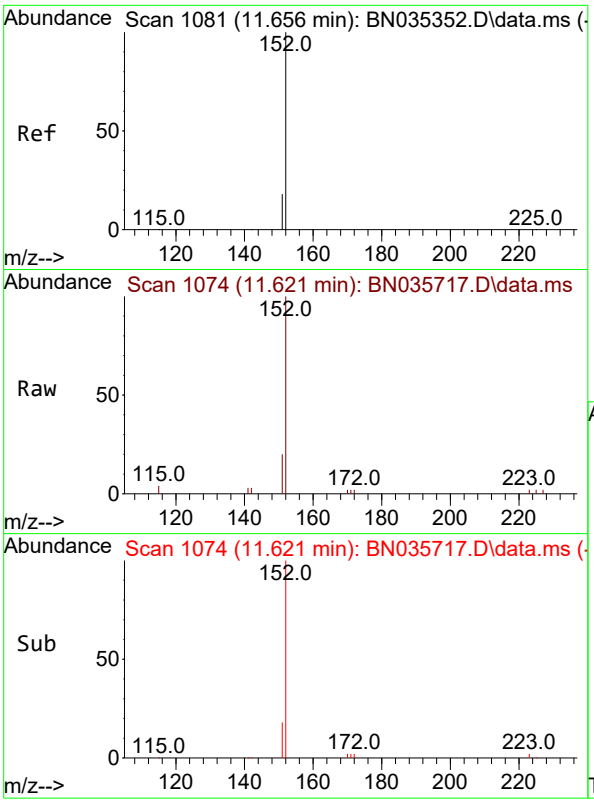


#8
Nitrobenzene-d5
Concen: 0.631 ng
RT: 8.418 min Scan# 762
Delta R.T. 0.010 min
Lab File: BN035717.D
Acq: 19 Dec 2024 22:58

Tgt Ion: 82 Resp: 3342

Ion	Ratio	Lower	Upper
82	100		
128	50.6	33.4	50.0#
54	39.3	36.7	55.1



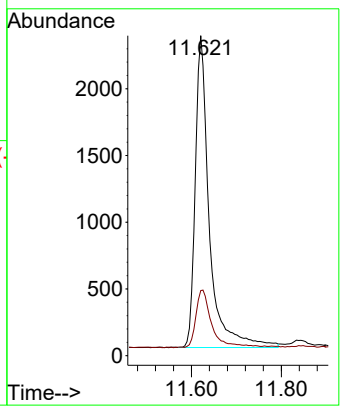


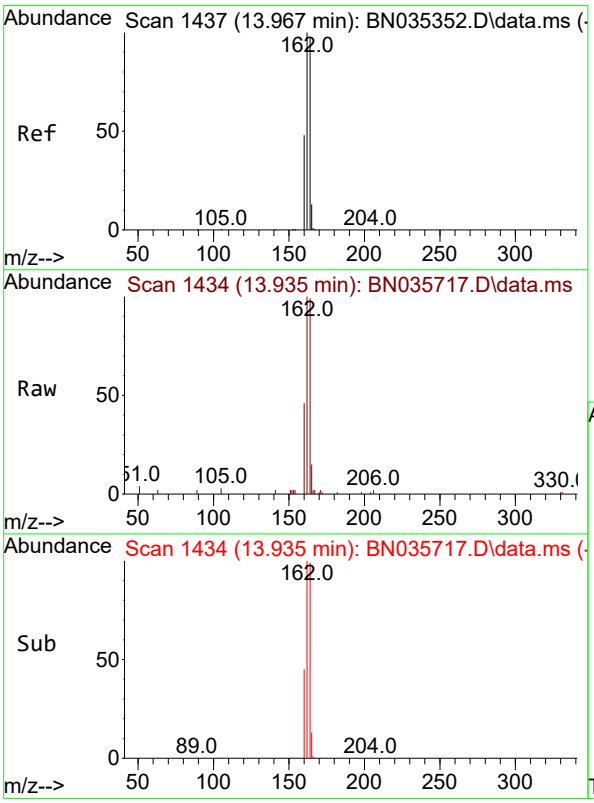
#11
2-Methylnaphthalene-d10
Concen: 0.373 ng
RT: 11.621 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035717.D
Acq: 19 Dec 2024 22:58

Instrument :
BNA_N
ClientSampleId :
RE103D1-20241209

Tgt Ion:152 Resp: 5070

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.6	25.0

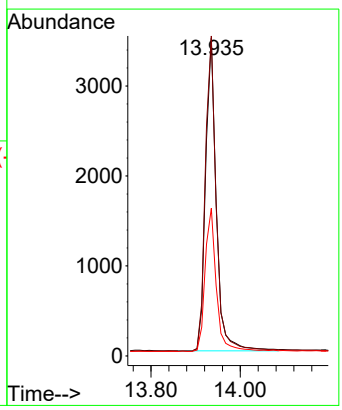


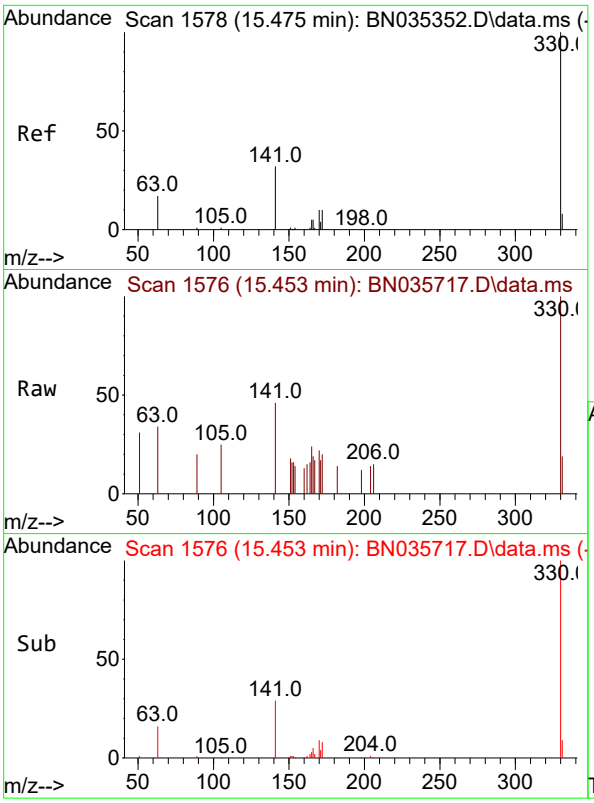


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.935 min Scan# 1434
Delta R.T. -0.000 min
Lab File: BN035717.D
Acq: 19 Dec 2024 22:58

Tgt Ion:164 Resp: 5798

Ion	Ratio	Lower	Upper
164	100		
162	100.7	82.2	123.2
160	46.5	40.1	60.1



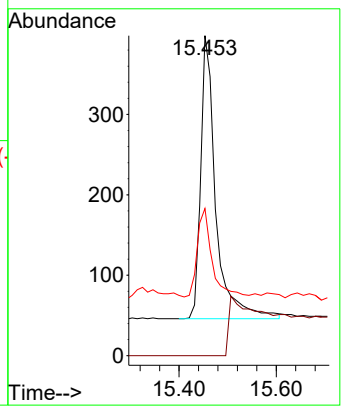


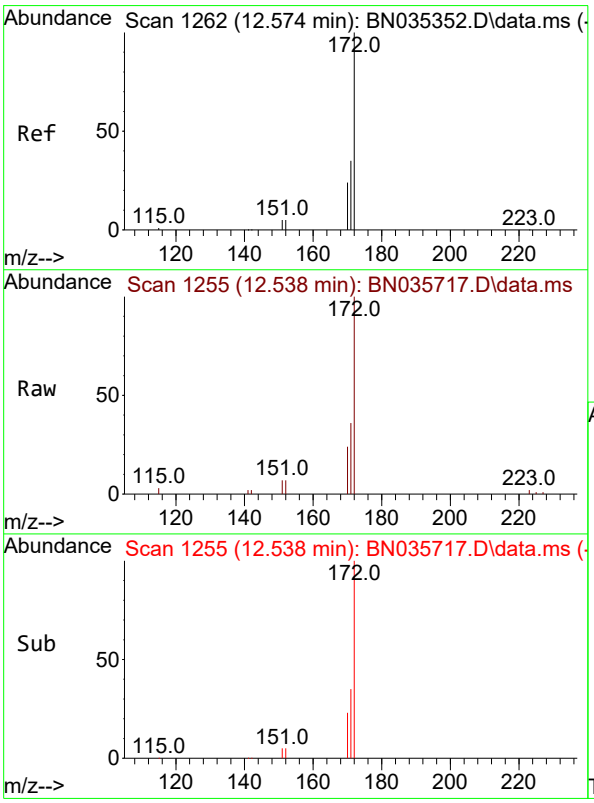
#14
2,4,6-Tribromophenol
Concen: 0.195 ng
RT: 15.453 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035717.D
Acq: 19 Dec 2024 22:58

Instrument :
BNA_N
ClientSampleId :
RE103D1-20241209

Tgt Ion:330 Resp: 803

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	29.6	26.6	40.0

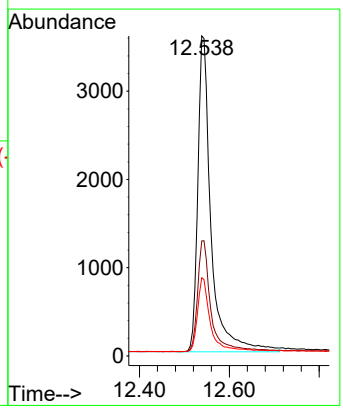


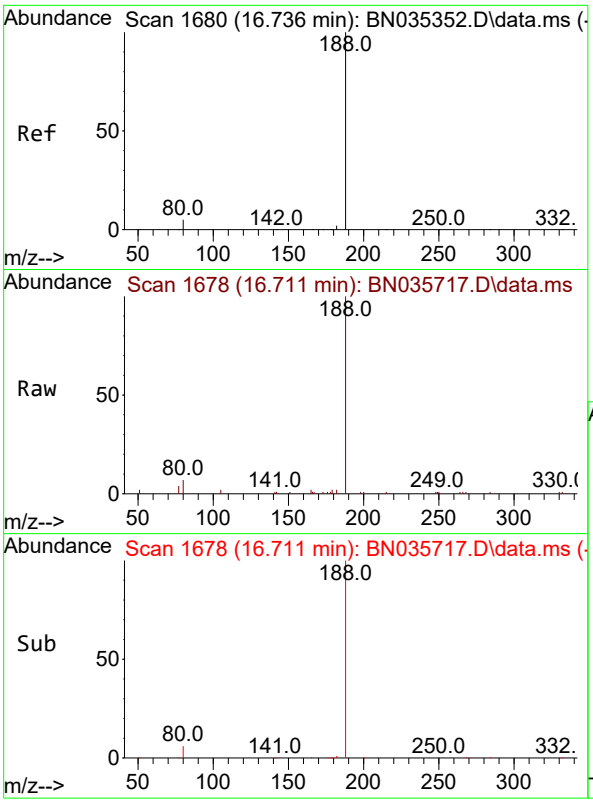


#15
2-Fluorobiphenyl
Concen: 0.334 ng
RT: 12.538 min Scan# 1255
Delta R.T. -0.005 min
Lab File: BN035717.D
Acq: 19 Dec 2024 22:58

Tgt Ion:172 Resp: 7328

Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.0	43.4
170	24.4	19.8	29.8



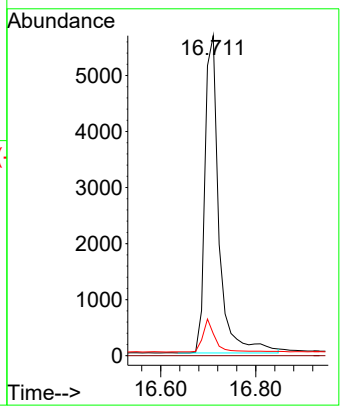


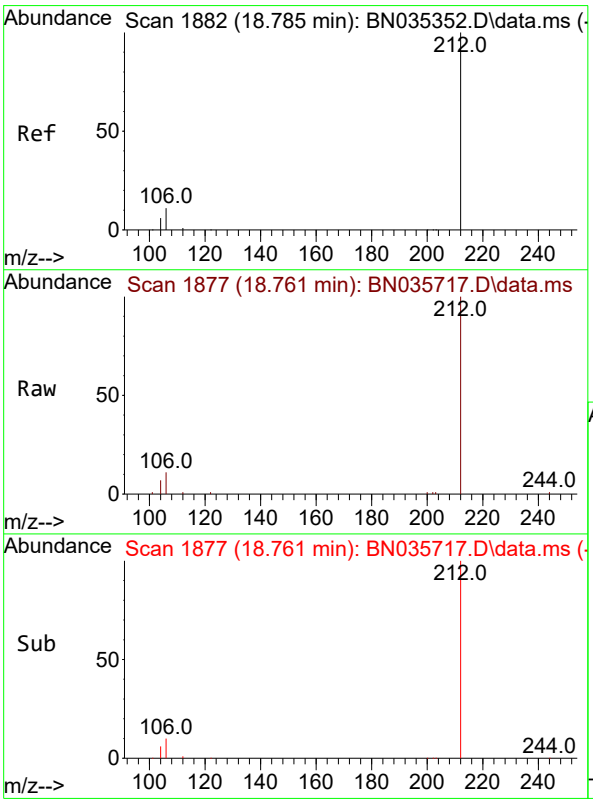
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.711 min Scan# 1
Delta R.T. 0.012 min
Lab File: BN035717.D
Acq: 19 Dec 2024 22:58

Instrument :
BNA_N
ClientSampleId :
RE103D1-20241209

Tgt Ion:188 Resp: 11698

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.9	4.6	6.8#

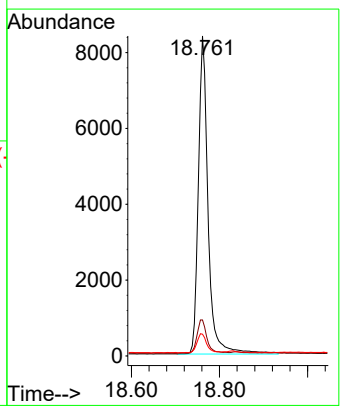


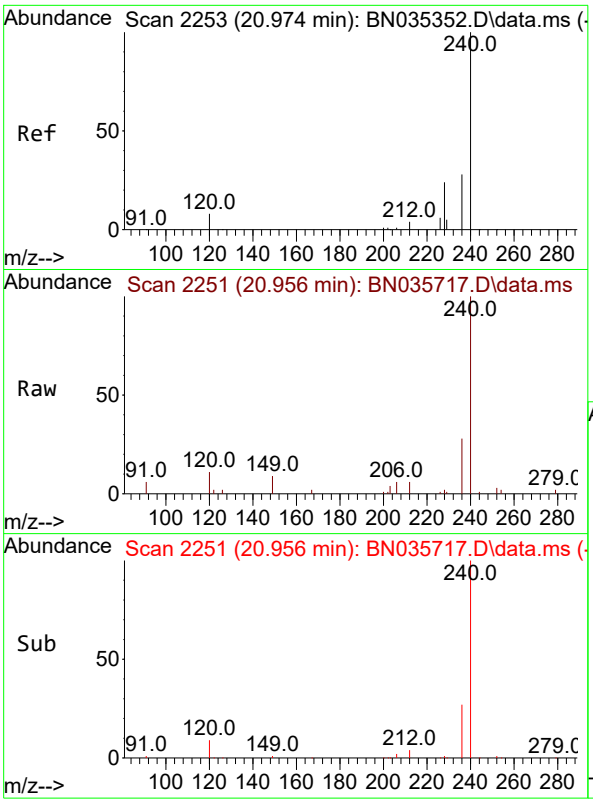


#27
Fluoranthene-d10
Concen: 0.386 ng
RT: 18.761 min Scan# 1877
Delta R.T. -0.000 min
Lab File: BN035717.D
Acq: 19 Dec 2024 22:58

Tgt Ion:212 Resp: 12807

Ion	Ratio	Lower	Upper
212	100		
106	10.7	9.2	13.8
104	5.9	5.3	7.9



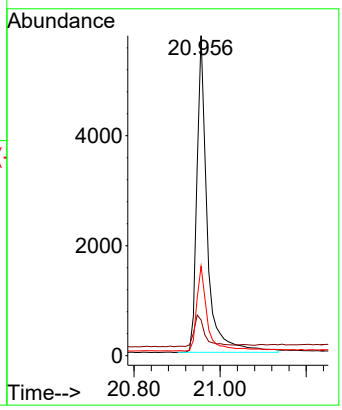


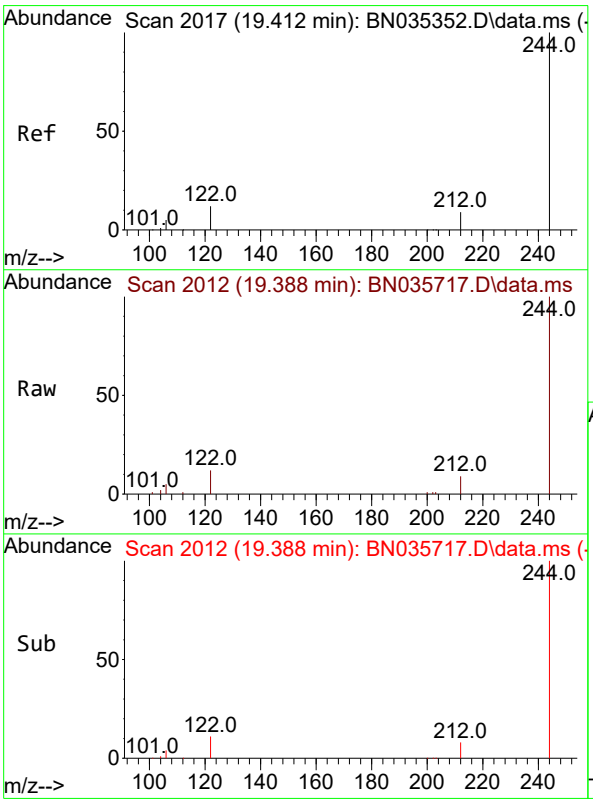
#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.956 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035717.D
Acq: 19 Dec 2024 22:58

Instrument :
BNA_N
ClientSampleId :
RE103D1-20241209

Tgt Ion:240 Resp: 9672

Ion	Ratio	Lower	Upper
240	100		
120	11.2	7.9	11.9
236	27.9	22.9	34.3

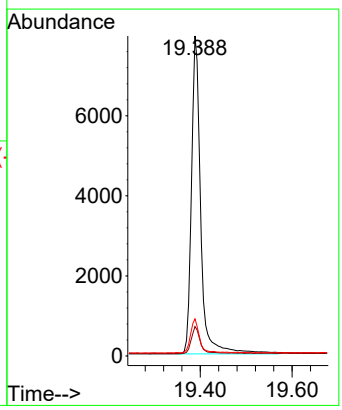


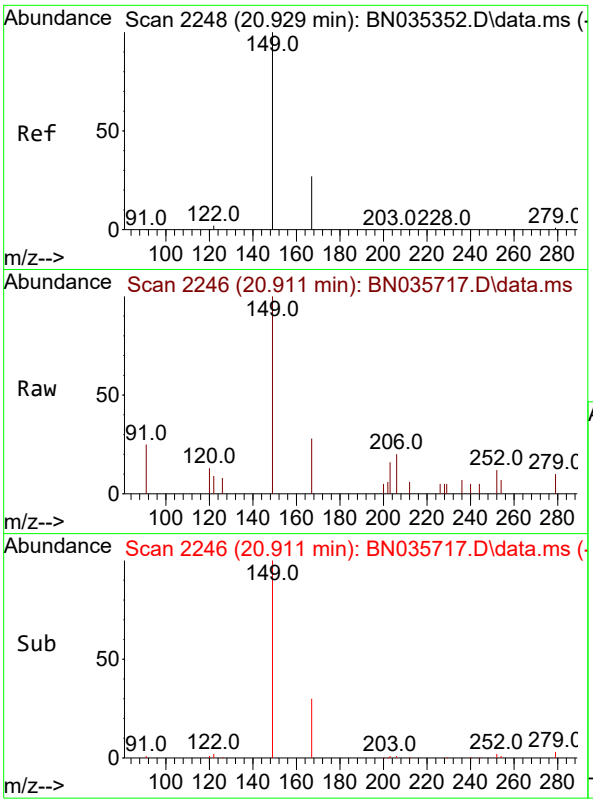


#31
Terphenyl-d14
Concen: 0.584 ng
RT: 19.388 min Scan# 2012
Delta R.T. -0.000 min
Lab File: BN035717.D
Acq: 19 Dec 2024 22:58

Tgt Ion:244 Resp: 11139

Ion	Ratio	Lower	Upper
244	100		
212	9.2	8.1	12.1
122	11.6	10.3	15.5



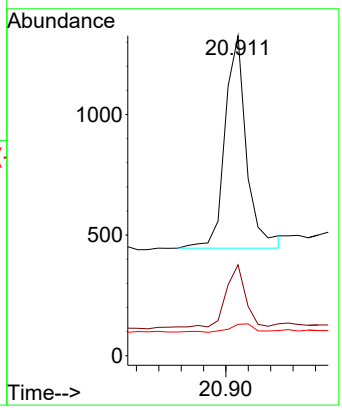


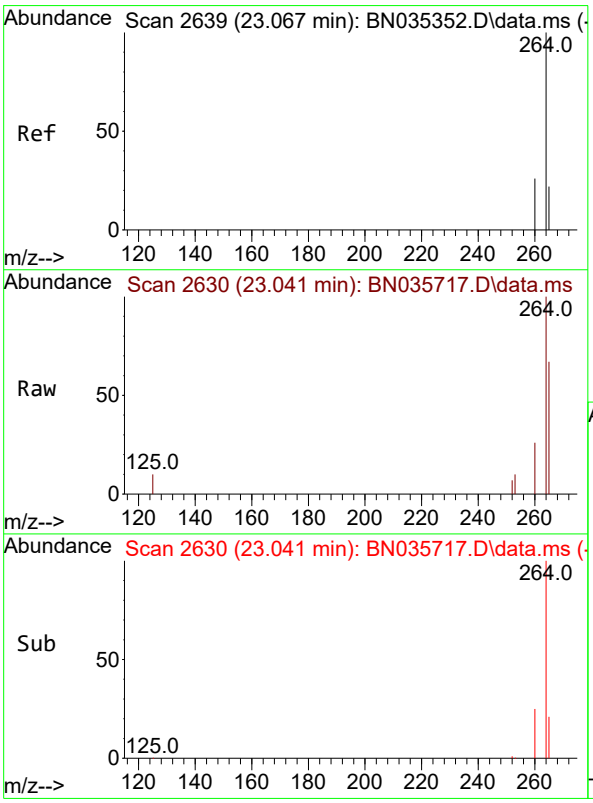
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.088 ng
RT: 20.911 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035717.D
Acq: 19 Dec 2024 22:58

Instrument :
BNA_N
ClientSampleId :
RE103D1-20241209

Tgt Ion:149 Resp: 1174

Ion	Ratio	Lower	Upper
149	100		
167	25.8	22.2	33.4
279	4.3	2.7	4.1#

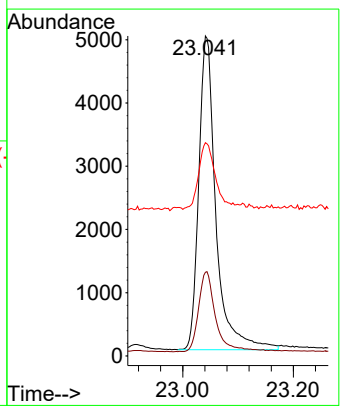




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.041 min Scan# 2630
Delta R.T. -0.000 min
Lab File: BN035717.D
Acq: 19 Dec 2024 22:58

Tgt Ion:264 Resp: 10672

Ion	Ratio	Lower	Upper
264	100		
260	26.2	21.4	32.2
265	66.6	40.2	60.4#



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035718.D
Acq On : 19 Dec 2024 23:34
Operator : RC/JU
Sample : P5261-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE103D2-20241209

Quant Time: Dec 20 00:06:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

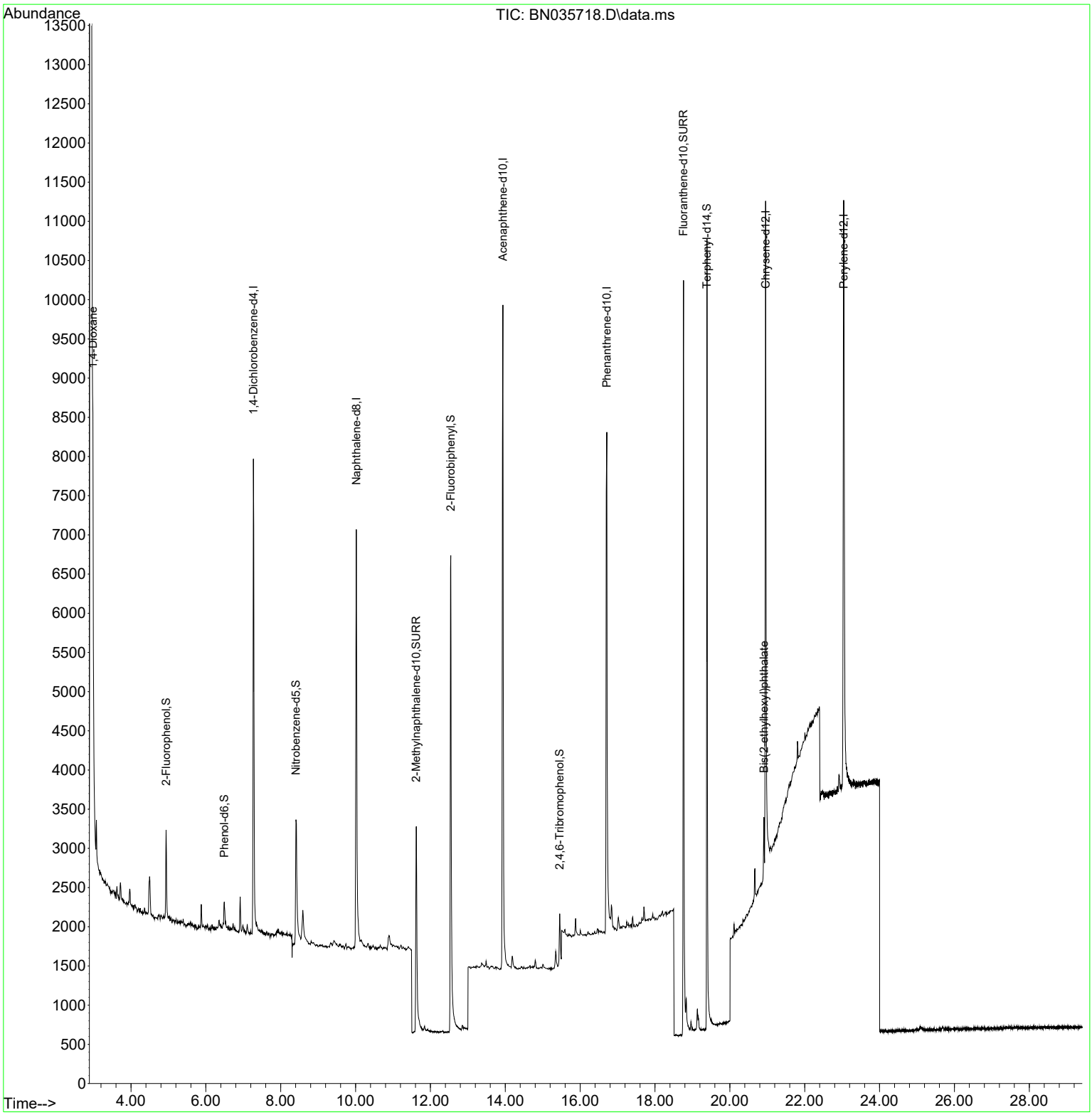
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.272	152	3198	0.400	ng	0.00
7) Naphthalene-d8	10.020	136	8727	0.400	ng	# 0.00
13) Acenaphthene-d10	13.935	164	5748	0.400	ng	0.00
19) Phenanthrene-d10	16.711	188	12085	0.400	ng	# 0.01
29) Chrysene-d12	20.956	240	10091	0.400	ng	0.00
35) Perylene-d12	23.041	264	11286	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.939	112	982	0.123	ng	0.00
5) Phenol-d6	6.492	99	553	0.057	ng	0.00
8) Nitrobenzene-d5	8.408	82	2382	0.447	ng	0.00
11) 2-Methylnaphthalene-d10	11.621	152	5118	0.375	ng	0.00
14) 2,4,6-Tribromophenol	15.453	330	836	0.205	ng	0.00
15) 2-Fluorobiphenyl	12.544	172	7434	0.342	ng	0.00
27) Fluoranthene-d10	18.761	212	12863	0.375	ng	0.00
31) Terphenyl-d14	19.389	244	11596	0.583	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.982	88	1342	0.439	ng	92
34) Bis(2-ethylhexyl)phtha...	20.911	149	812	0.058	ng	# 94

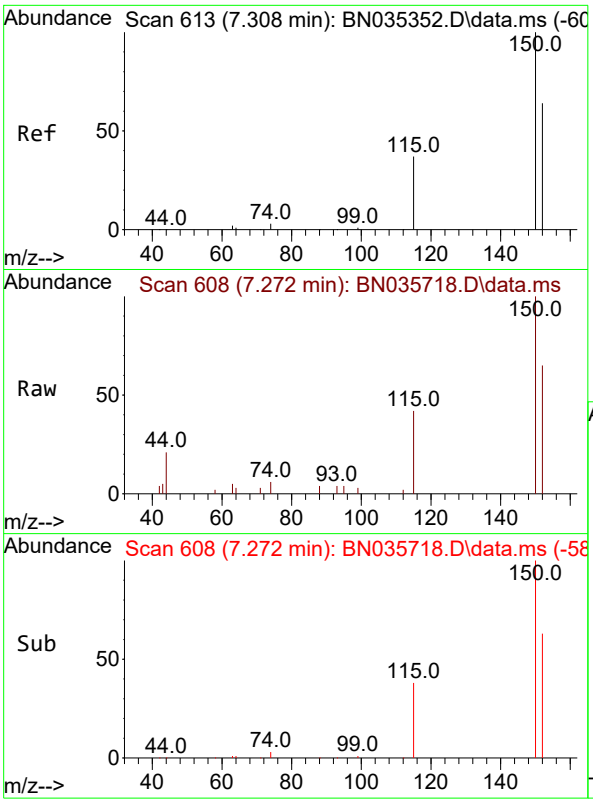
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035718.D
Acq On : 19 Dec 2024 23:34
Operator : RC/JU
Sample : P5261-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE103D2-20241209

Quant Time: Dec 20 00:06:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration



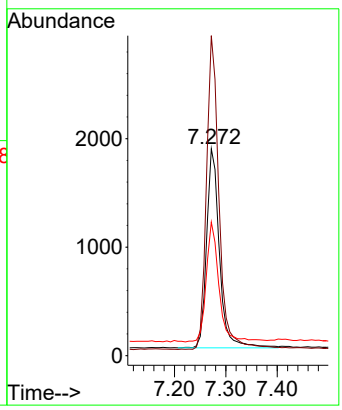


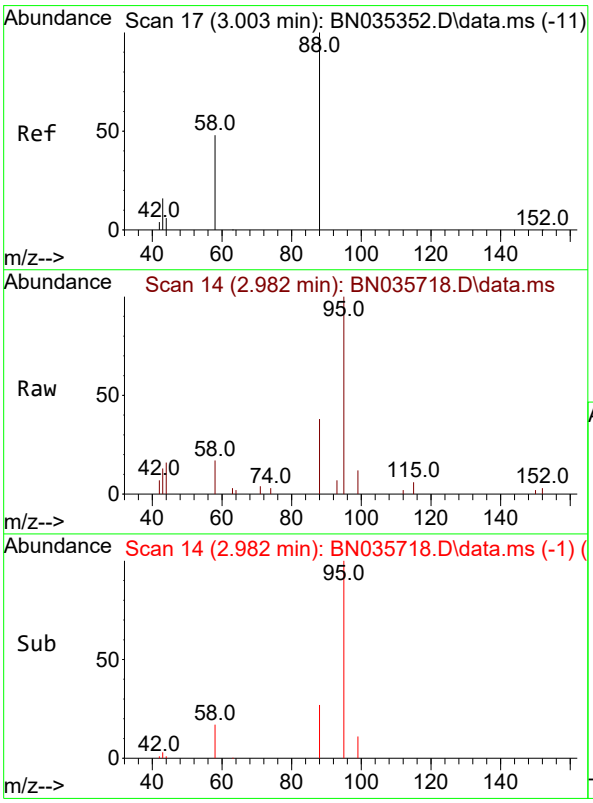
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.272 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN035718.D
Acq: 19 Dec 2024 23:34

Instrument :
BNA_N
ClientSampleId :
RE103D2-20241209

Tgt Ion:152 Resp: 3198

Ion	Ratio	Lower	Upper
152	100		
150	154.7	124.0	186.0
115	64.6	49.6	74.4

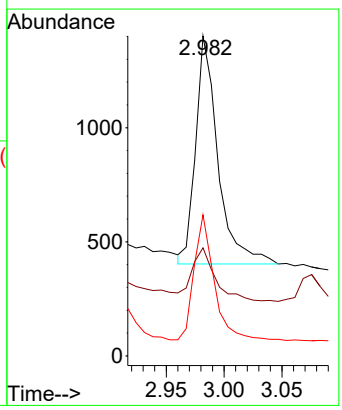


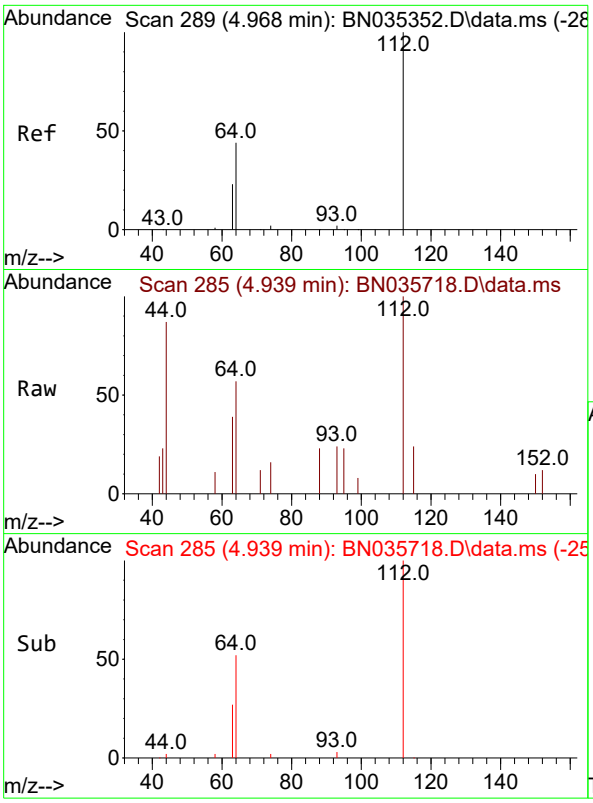


#2
1,4-Dioxane
Concen: 0.439 ng
RT: 2.982 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035718.D
Acq: 19 Dec 2024 23:34

Tgt Ion: 88 Resp: 1342

Ion	Ratio	Lower	Upper
88	100		
43	24.7	17.2	25.8
58	49.8	44.5	66.7



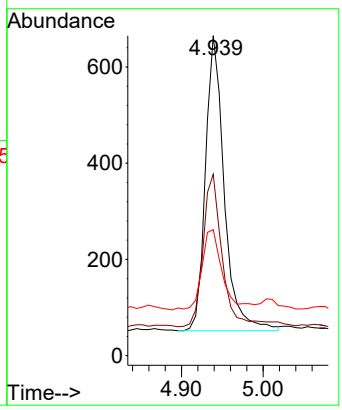


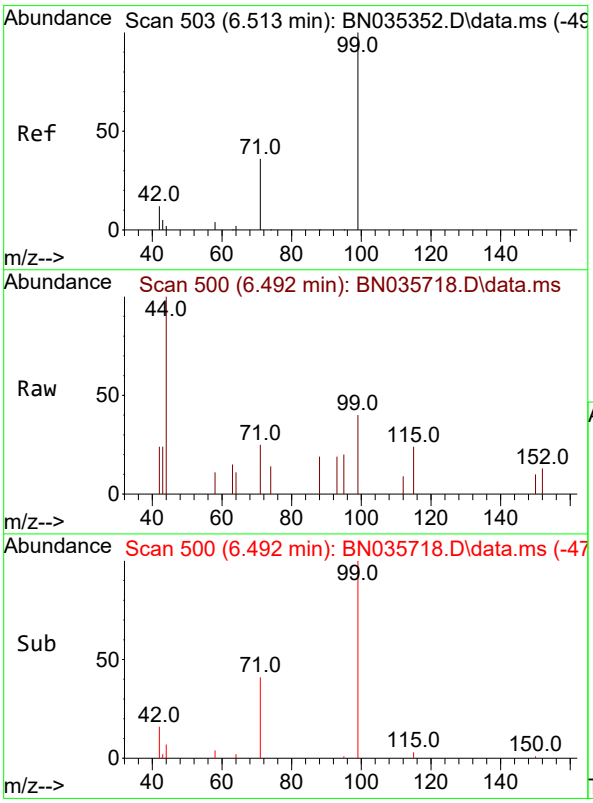
#4
2-Fluorophenol
Concen: 0.123 ng
RT: 4.939 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035718.D
Acq: 19 Dec 2024 23:34

Instrument :
BNA_N
ClientSampleId :
RE103D2-20241209

Tgt Ion:112 Resp: 982

Ion	Ratio	Lower	Upper
112	100		
64	53.5	39.8	59.8
63	30.4	21.0	31.6

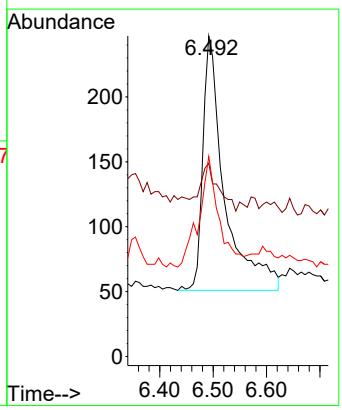


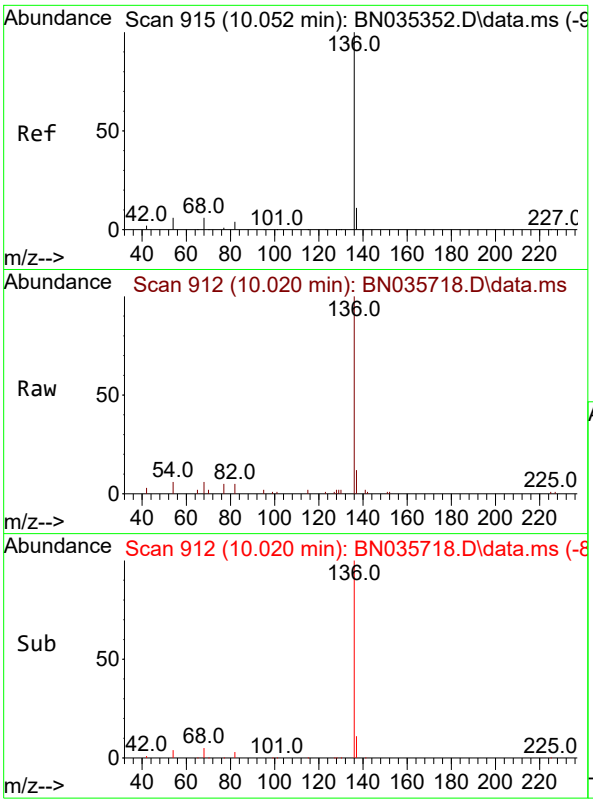


#5
Phenol-d6
Concen: 0.057 ng
RT: 6.492 min Scan# 500
Delta R.T. 0.000 min
Lab File: BN035718.D
Acq: 19 Dec 2024 23:34

Tgt Ion: 99 Resp: 553

Ion	Ratio	Lower	Upper
99	100		
42	17.2	11.4	17.2#
71	40.1	29.3	43.9



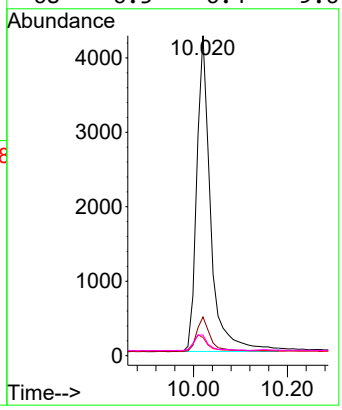


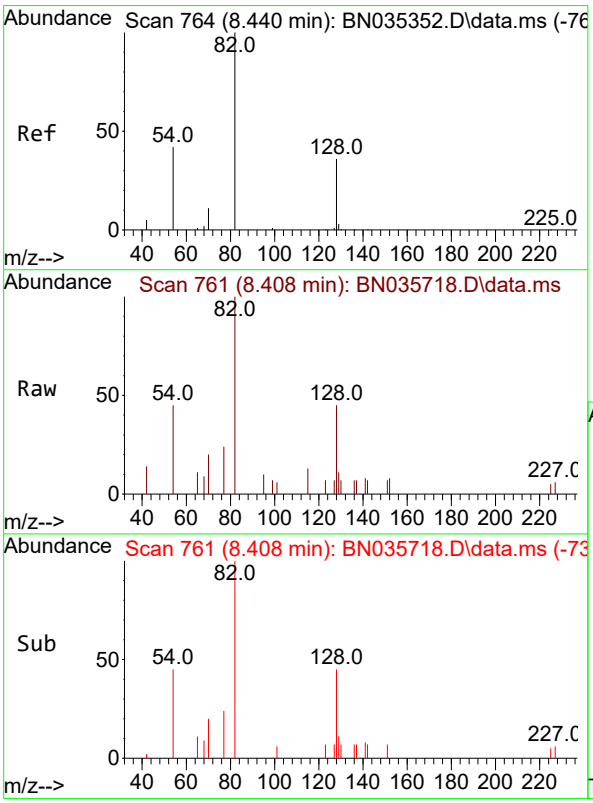
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.020 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN035718.D
Acq: 19 Dec 2024 23:34

Instrument :
BNA_N
ClientSampleId :
RE103D2-20241209

Tgt Ion:136 Resp: 8727

Ion	Ratio	Lower	Upper
136	100		
137	12.1	10.2	15.2
54	5.7	6.1	9.1#
68	6.5	6.4	9.6

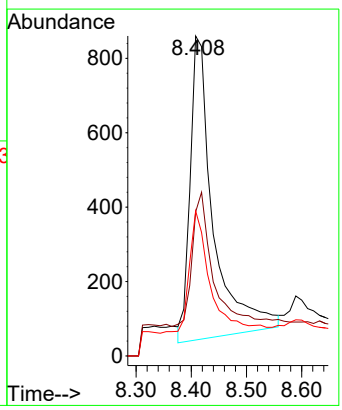


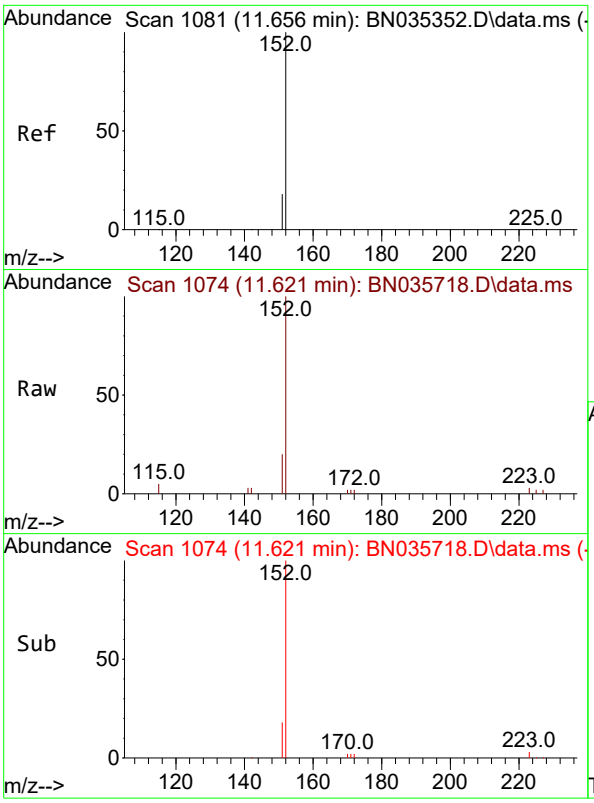


#8
Nitrobenzene-d5
Concen: 0.447 ng
RT: 8.408 min Scan# 761
Delta R.T. -0.000 min
Lab File: BN035718.D
Acq: 19 Dec 2024 23:34

Tgt Ion: 82 Resp: 2382

Ion	Ratio	Lower	Upper
82	100		
128	45.0	33.4	50.0
54	45.3	36.7	55.1



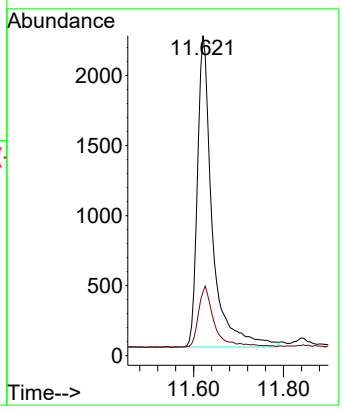


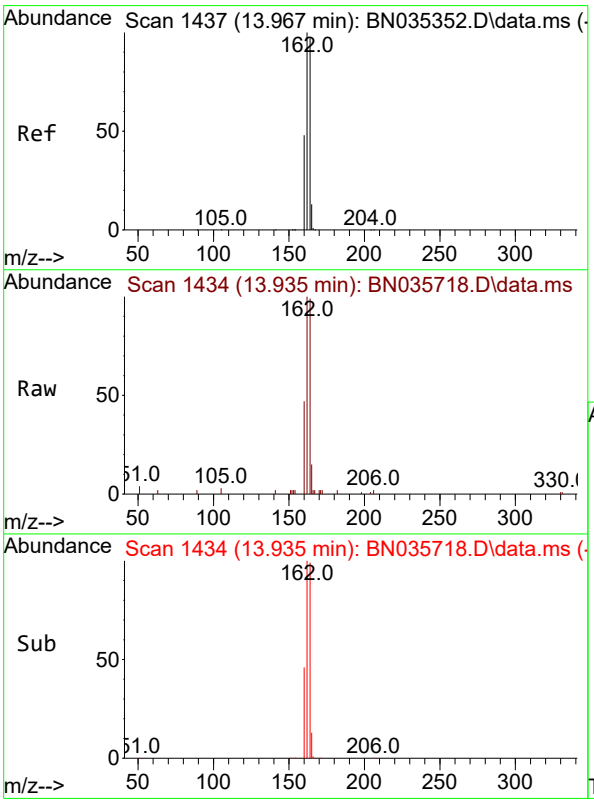
#11
2-Methylnaphthalene-d10
Concen: 0.375 ng
RT: 11.621 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN035718.D
Acq: 19 Dec 2024 23:34

Instrument :
BNA_N
ClientSampleId :
RE103D2-20241209

Tgt Ion:152 Resp: 5118

Ion	Ratio	Lower	Upper
152	100		
151	20.9	16.6	25.0

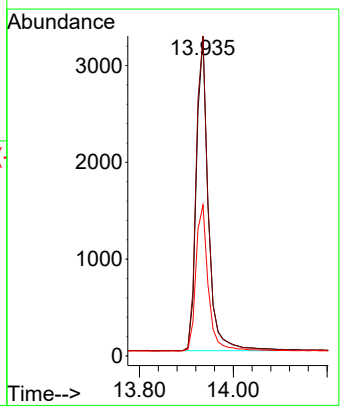


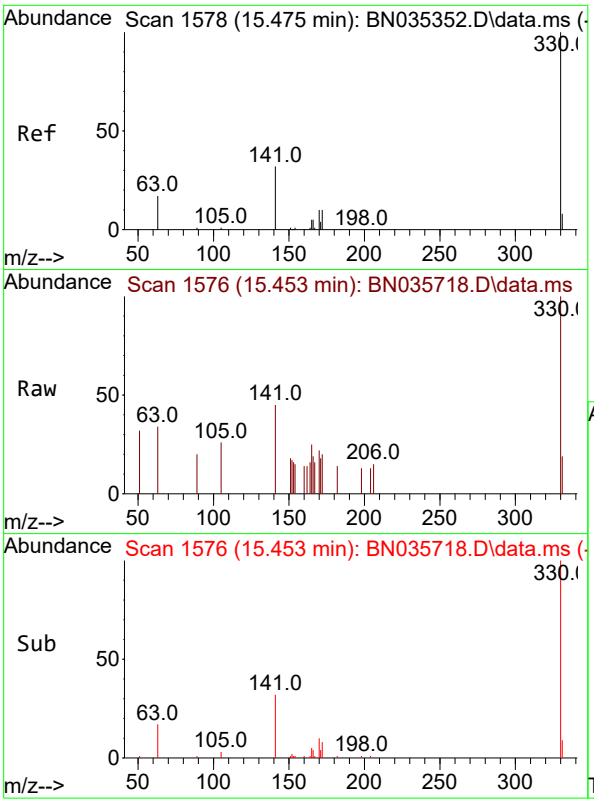


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.935 min Scan# 1434
Delta R.T. -0.000 min
Lab File: BN035718.D
Acq: 19 Dec 2024 23:34

Tgt Ion:164 Resp: 5748

Ion	Ratio	Lower	Upper
164	100		
162	100.6	82.2	123.2
160	47.4	40.1	60.1



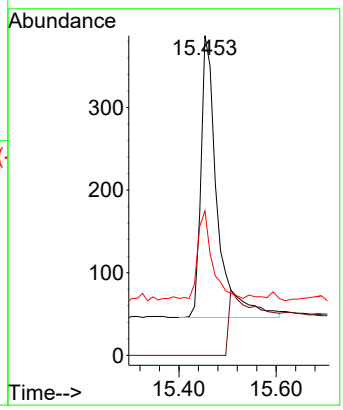


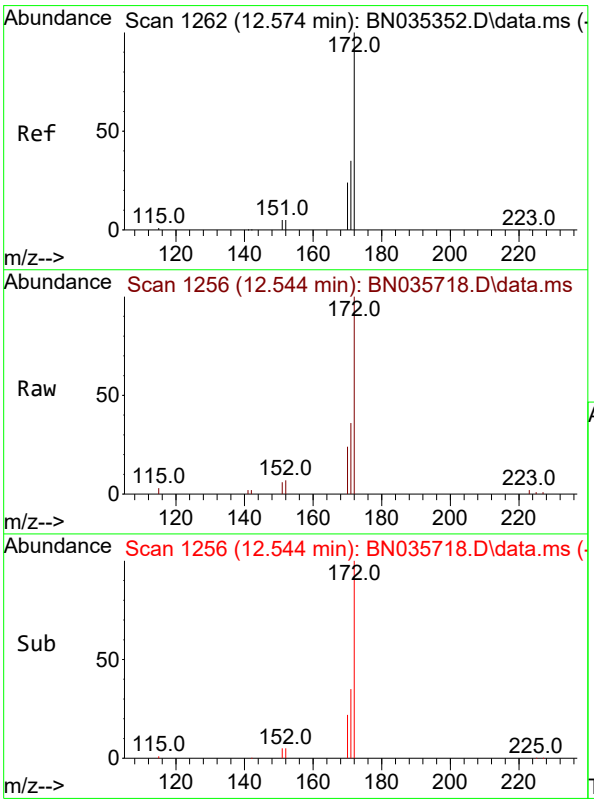
#14
2,4,6-Tribromophenol
Concen: 0.205 ng
RT: 15.453 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035718.D
Acq: 19 Dec 2024 23:34

Instrument :
BNA_N
ClientSampleId :
RE103D2-20241209

Tgt Ion:330 Resp: 836

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	28.0	26.6	40.0

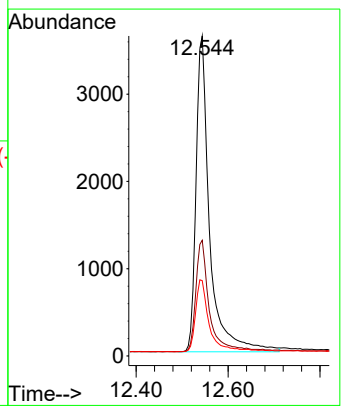


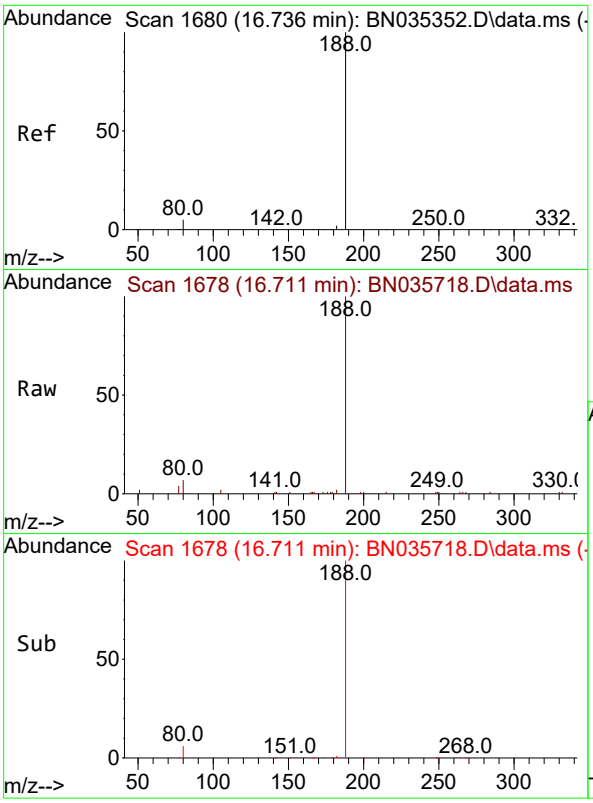


#15
2-Fluorobiphenyl
Concen: 0.342 ng
RT: 12.544 min Scan# 1256
Delta R.T. -0.000 min
Lab File: BN035718.D
Acq: 19 Dec 2024 23:34

Tgt Ion:172 Resp: 7434

Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.0	43.4
170	23.5	19.8	29.8



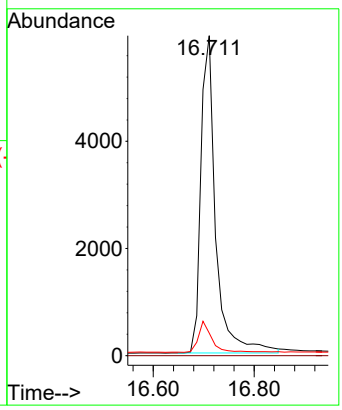


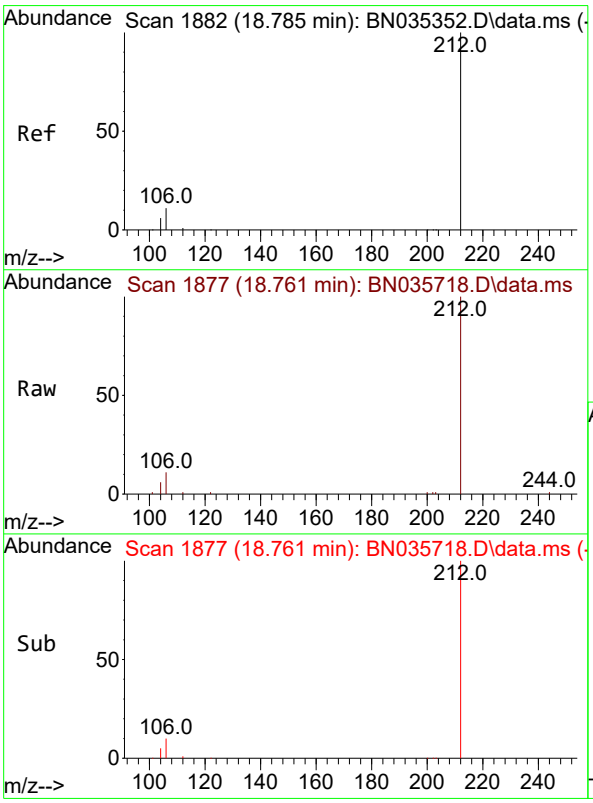
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.711 min Scan# 1(
Delta R.T. 0.012 min
Lab File: BN035718.D
Acq: 19 Dec 2024 23:34

Instrument :
BNA_N
ClientSampleId :
RE103D2-20241209

Tgt Ion:188 Resp: 12085

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.0	4.6	6.8#

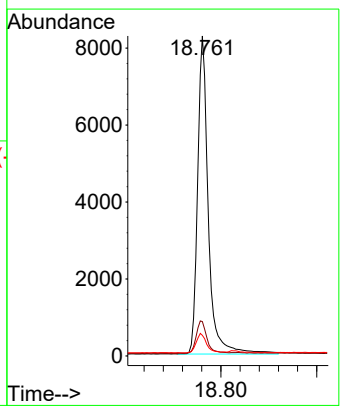


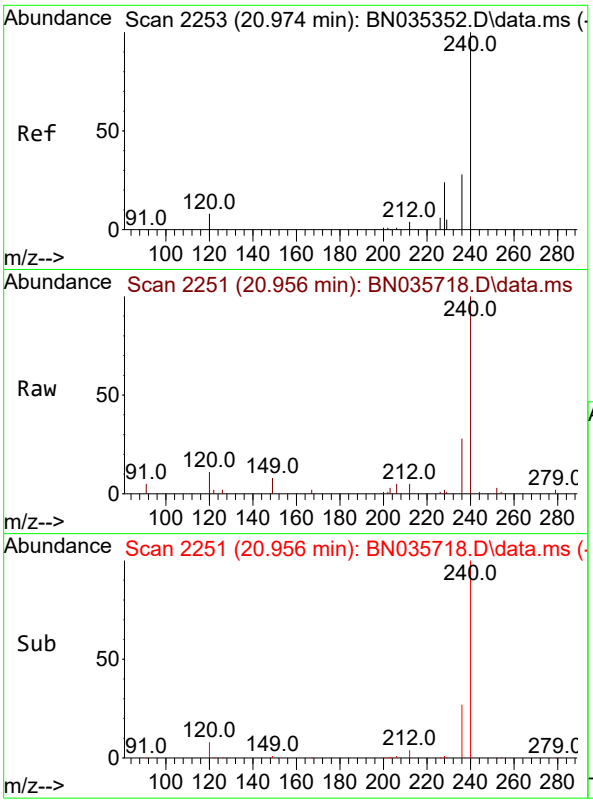


#27
Fluoranthene-d10
Concen: 0.375 ng
RT: 18.761 min Scan# 1877
Delta R.T. -0.000 min
Lab File: BN035718.D
Acq: 19 Dec 2024 23:34

Tgt Ion:212 Resp: 12863

Ion	Ratio	Lower	Upper
212	100		
106	10.2	9.2	13.8
104	5.8	5.3	7.9



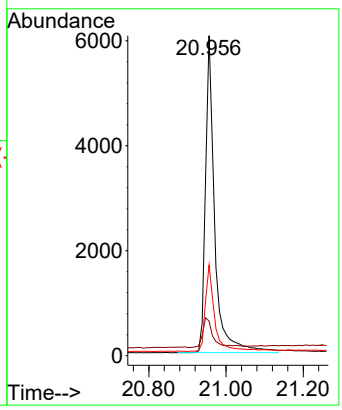


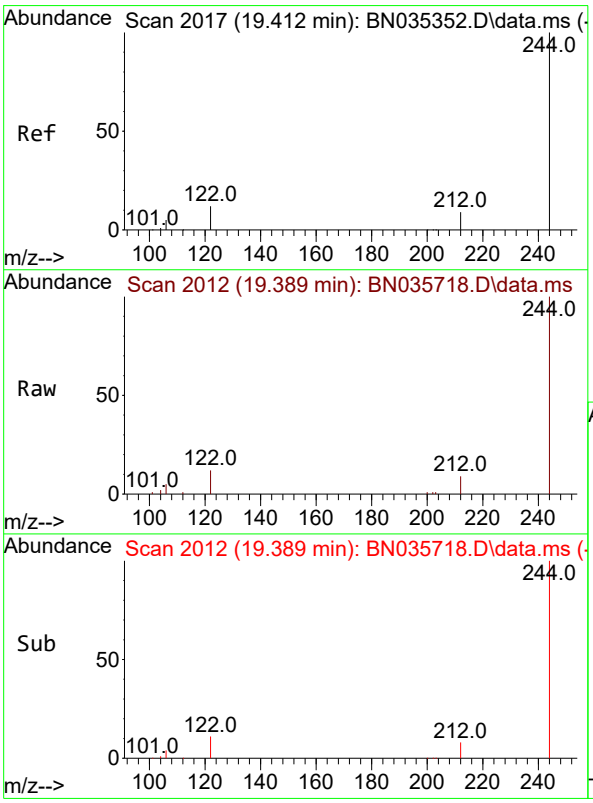
#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.956 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN035718.D
Acq: 19 Dec 2024 23:34

Instrument :
BNA_N
ClientSampleId :
RE103D2-20241209

Tgt Ion:240 Resp: 10091

Ion	Ratio	Lower	Upper
240	100		
120	10.8	7.9	11.9
236	28.3	22.9	34.3

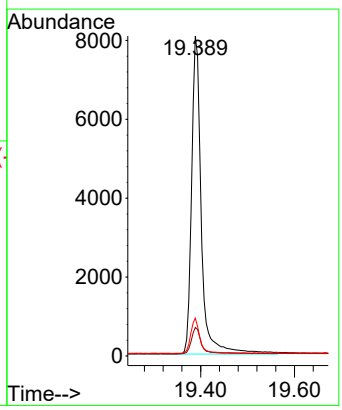


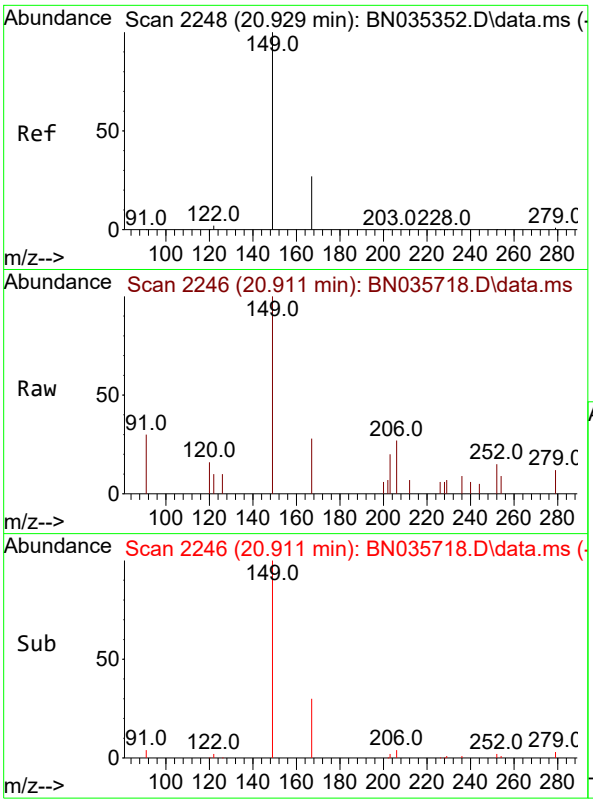


#31
Terphenyl-d14
Concen: 0.583 ng
RT: 19.389 min Scan# 2012
Delta R.T. -0.000 min
Lab File: BN035718.D
Acq: 19 Dec 2024 23:34

Tgt Ion:244 Resp: 11596

Ion	Ratio	Lower	Upper
244	100		
212	8.9	8.1	12.1
122	11.8	10.3	15.5



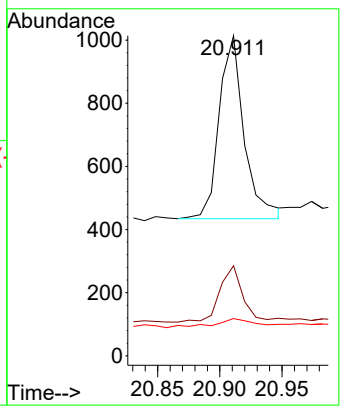


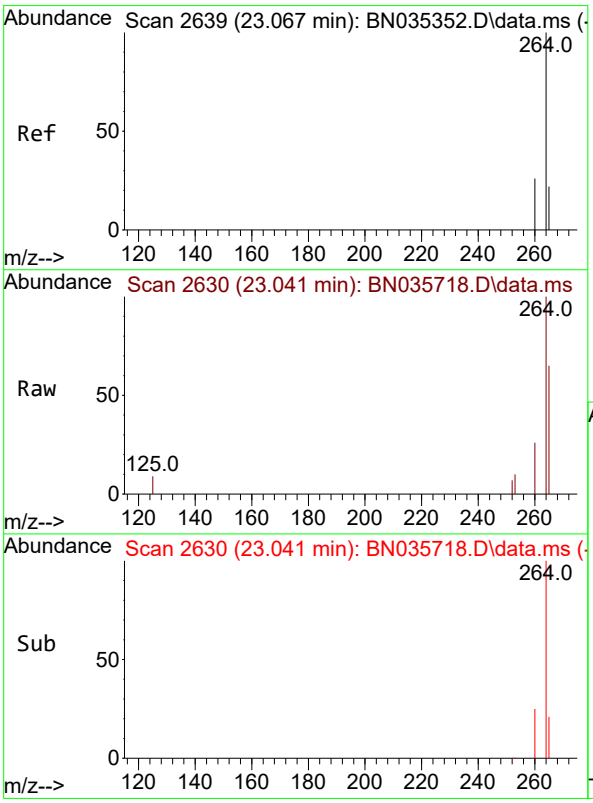
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.058 ng
RT: 20.911 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035718.D
Acq: 19 Dec 2024 23:34

Instrument :
BNA_N
ClientSampleId :
RE103D2-20241209

Tgt Ion:149 Resp: 812

Ion	Ratio	Lower	Upper
149	100		
167	30.3	22.2	33.4
279	7.8	2.7	4.1#

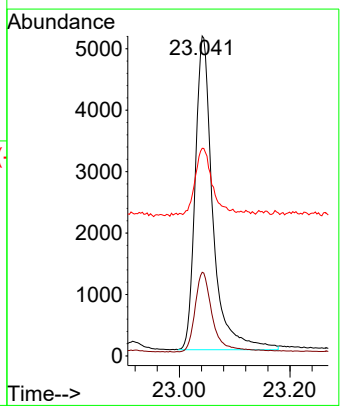




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.041 min Scan# 2630
Delta R.T. -0.000 min
Lab File: BN035718.D
Acq: 19 Dec 2024 23:34

Tgt Ion:264 Resp: 11286

Ion	Ratio	Lower	Upper
264	100		
260	26.2	21.4	32.2
265	64.9	40.2	60.4#



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035719.D
Acq On : 20 Dec 2024 00:10
Operator : RC/JU
Sample : P5261-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE103D3-20241209

Quant Time: Dec 20 00:34:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

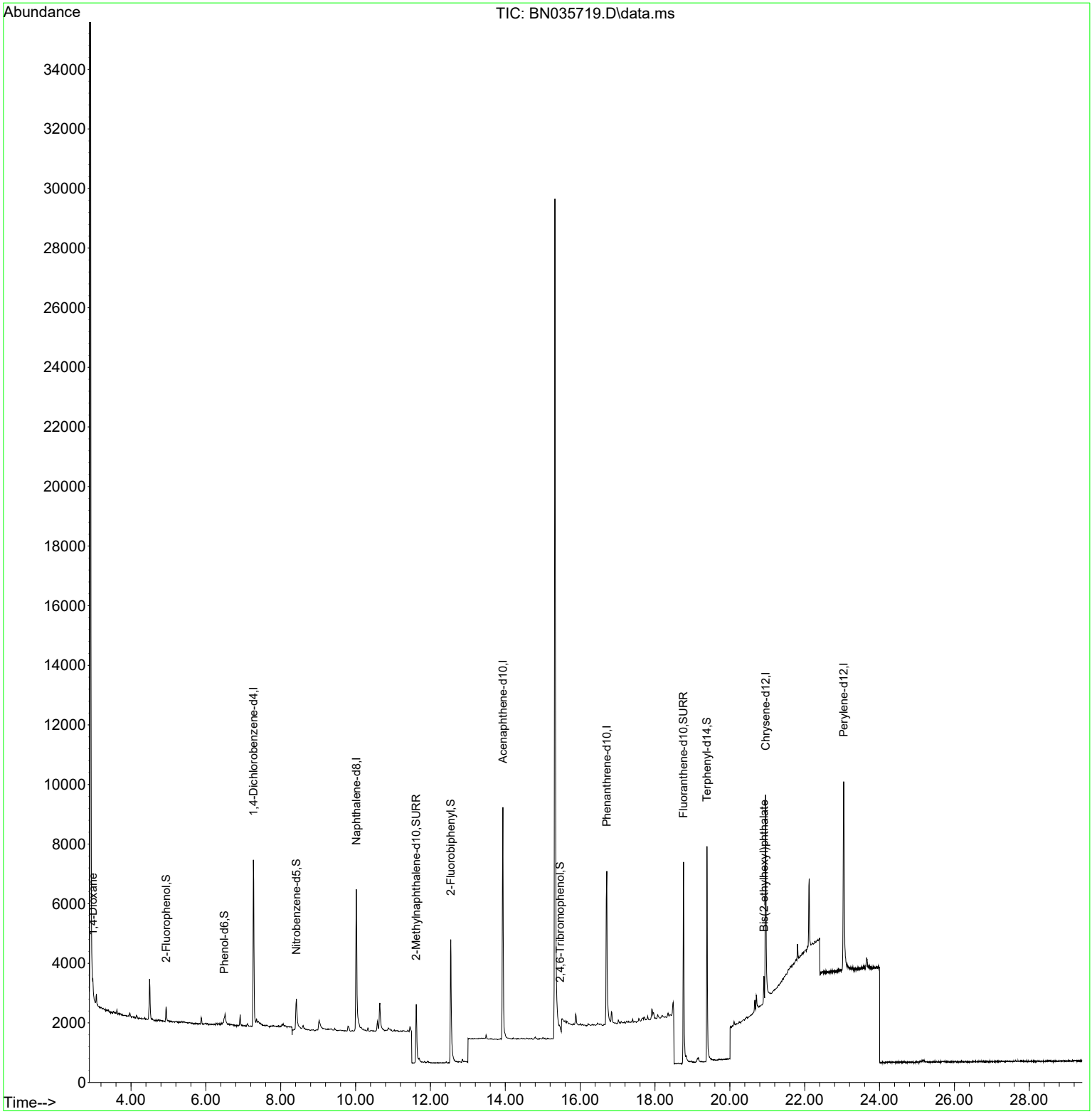
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.272	152	2937	0.400	ng	0.00
7) Naphthalene-d8	10.020	136	7894	0.400	ng	0.00
13) Acenaphthene-d10	13.935	164	4865	0.400	ng	0.00
19) Phenanthrene-d10	16.711	188	9538	0.400	ng	# 0.01
29) Chrysene-d12	20.956	240	8341	0.400	ng	0.00
35) Perylene-d12	23.041	264	9222	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.939	112	460	0.063	ng	0.00
5) Phenol-d6	6.492	99	300	0.034	ng	0.00
8) Nitrobenzene-d5	8.418	82	1730	0.359	ng	0.01
11) 2-Methylnaphthalene-d10	11.621	152	3560	0.288	ng	0.00
14) 2,4,6-Tribromophenol	15.464	330	137	0.040	ng	0.01
15) 2-Fluorobiphenyl	12.544	172	5019	0.273	ng	0.00
27) Fluoranthene-d10	18.761	212	9354	0.346	ng	0.00
31) Terphenyl-d14	19.389	244	8390	0.510	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.982	88	271	0.097	ng	# 79
34) Bis(2-ethylhexyl)phtha...	20.911	149	1011	0.088	ng	# 98

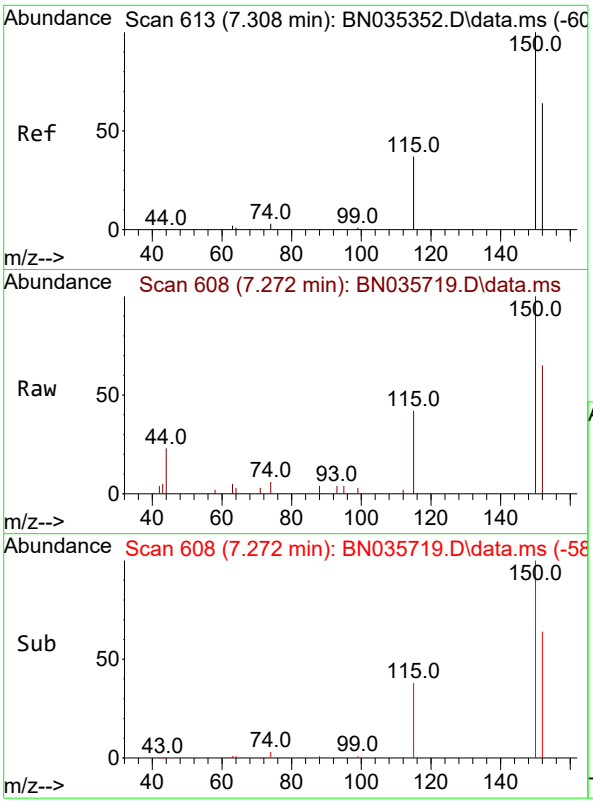
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035719.D
Acq On : 20 Dec 2024 00:10
Operator : RC/JU
Sample : P5261-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE103D3-20241209

Quant Time: Dec 20 00:34:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration



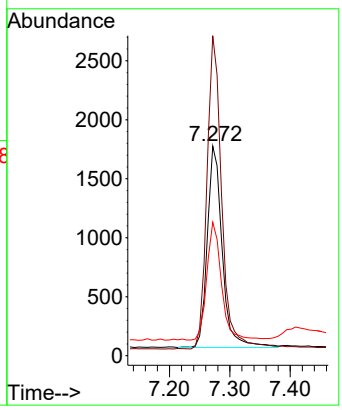


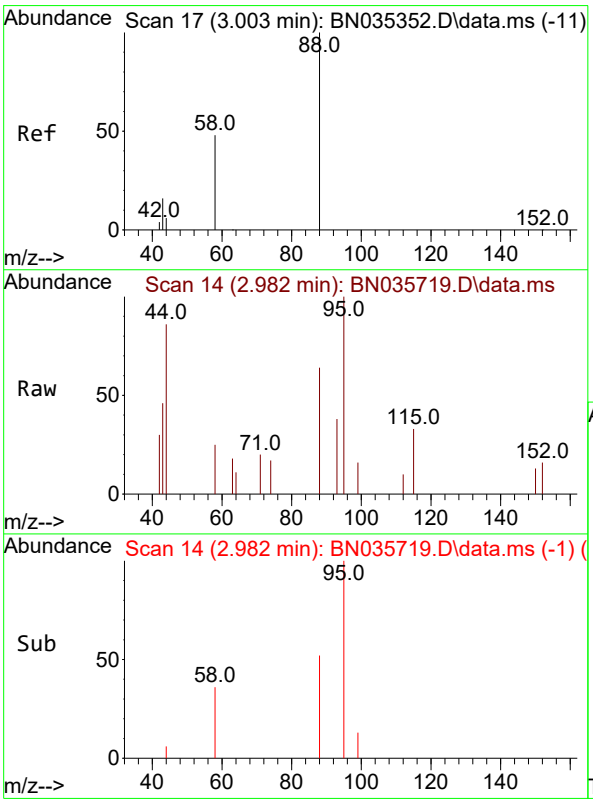
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.272 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN035719.D
Acq: 20 Dec 2024 00:10

Instrument :
BNA_N
ClientSampleId :
RE103D3-20241209

Tgt Ion:152 Resp: 2937

Ion	Ratio	Lower	Upper
152	100		
150	152.7	124.0	186.0
115	63.7	49.6	74.4

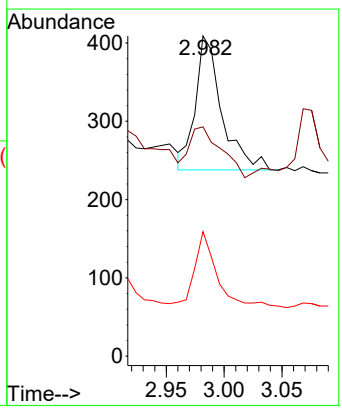


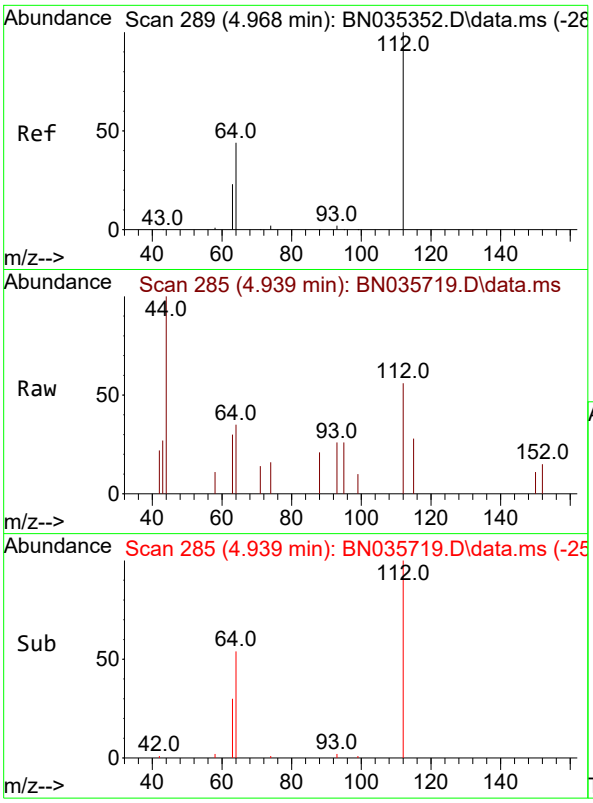


#2
1,4-Dioxane
Concen: 0.097 ng
RT: 2.982 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035719.D
Acq: 20 Dec 2024 00:10

Tgt Ion: 88 Resp: 271

Ion	Ratio	Lower	Upper
88	100		
43	46.1	17.2	25.8#
58	49.1	44.5	66.7



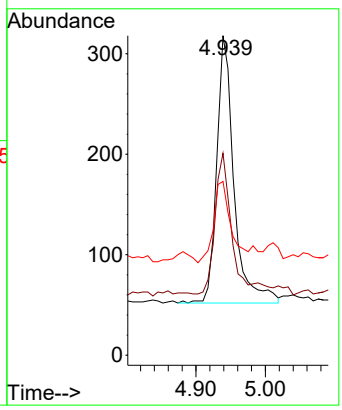


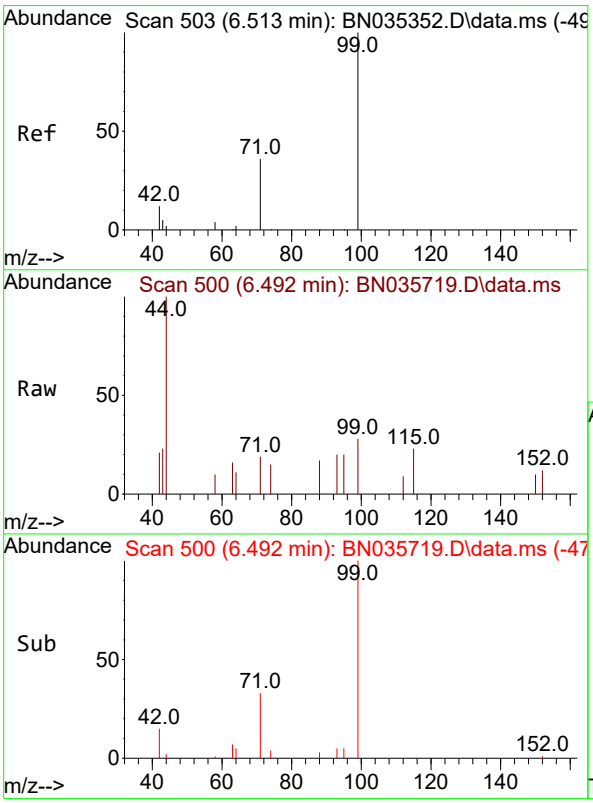
#4
2-Fluorophenol
Concen: 0.063 ng
RT: 4.939 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035719.D
Acq: 20 Dec 2024 00:10

Instrument :
BNA_N
ClientSampleId :
RE103D3-20241209

Tgt Ion:112 Resp: 460

Ion	Ratio	Lower	Upper
112	100		
64	52.0	39.8	59.8
63	30.9	21.0	31.6

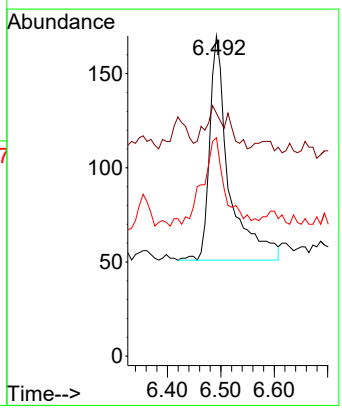


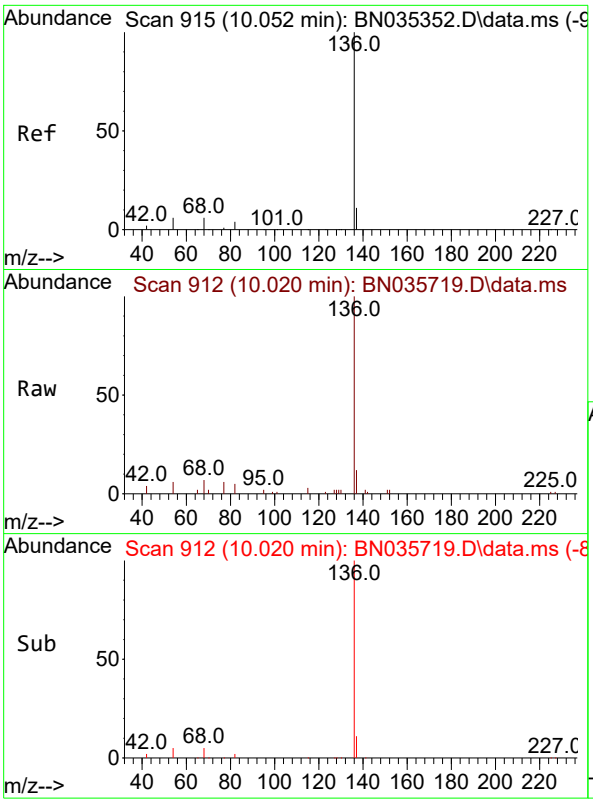


#5
Phenol-d6
Concen: 0.034 ng
RT: 6.492 min Scan# 500
Delta R.T. -0.000 min
Lab File: BN035719.D
Acq: 20 Dec 2024 00:10

Tgt Ion: 99 Resp: 300

Ion	Ratio	Lower	Upper
99	100		
42	25.7	11.4	17.2#
71	47.7	29.3	43.9#



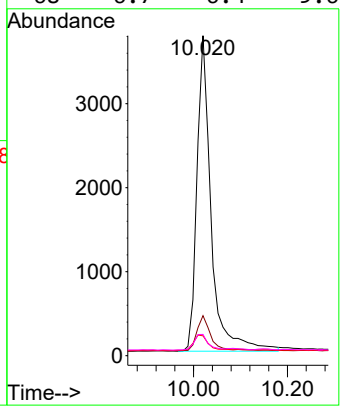


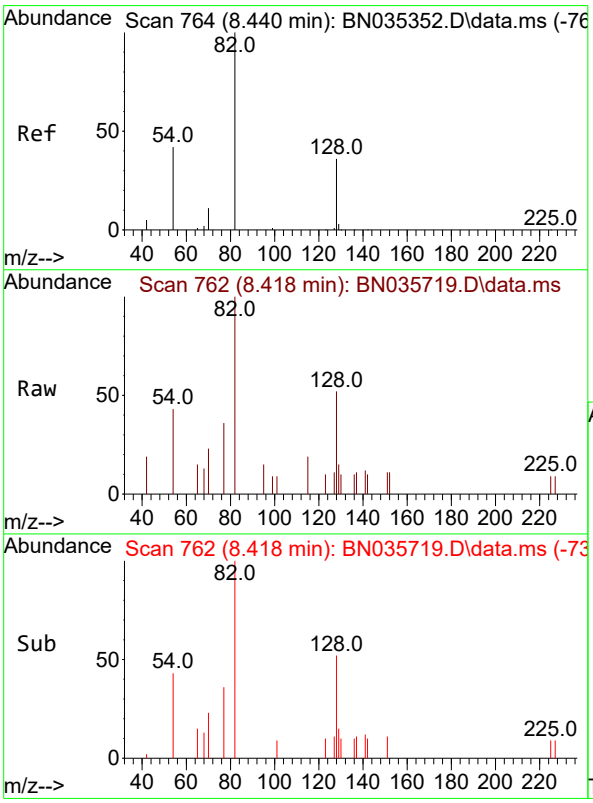
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.020 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN035719.D
Acq: 20 Dec 2024 00:10

Instrument :
BNA_N
ClientSampleId :
RE103D3-20241209

Tgt Ion:136 Resp: 7894

Ion	Ratio	Lower	Upper
136	100		
137	12.5	10.2	15.2
54	6.2	6.1	9.1
68	6.7	6.4	9.6

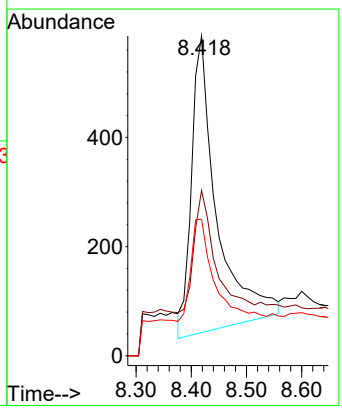


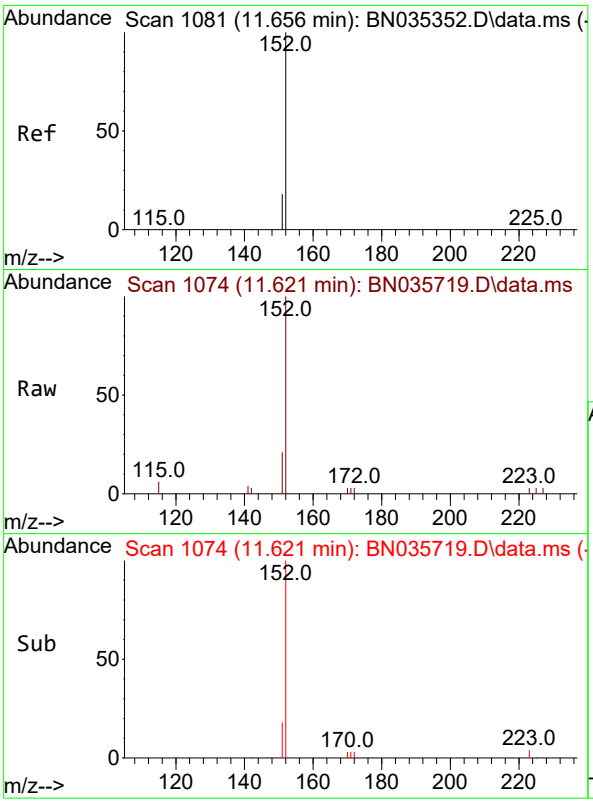


#8
Nitrobenzene-d5
Concen: 0.359 ng
RT: 8.418 min Scan# 762
Delta R.T. 0.011 min
Lab File: BN035719.D
Acq: 20 Dec 2024 00:10

Tgt Ion: 82 Resp: 1730

Ion	Ratio	Lower	Upper
82	100		
128	51.7	33.4	50.0#
54	42.7	36.7	55.1



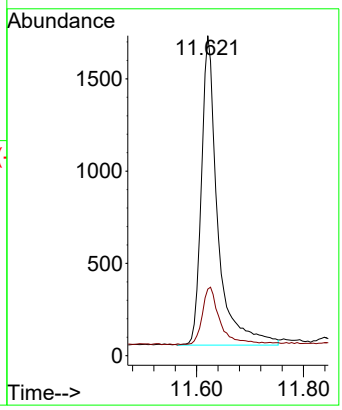


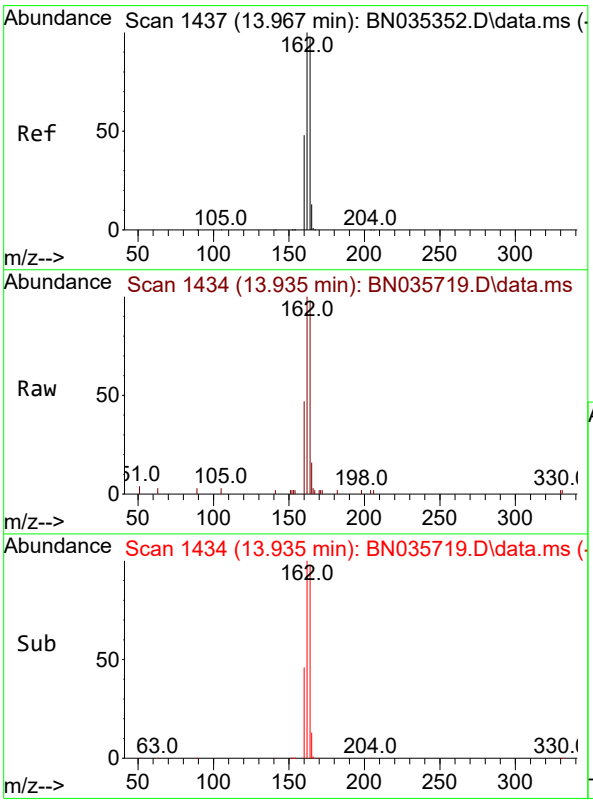
#11
2-Methylnaphthalene-d10
Concen: 0.288 ng
RT: 11.621 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035719.D
Acq: 20 Dec 2024 00:10

Instrument :
BNA_N
ClientSampleId :
RE103D3-20241209

Tgt Ion:152 Resp: 3560

Ion	Ratio	Lower	Upper
152	100		
151	19.5	16.6	25.0

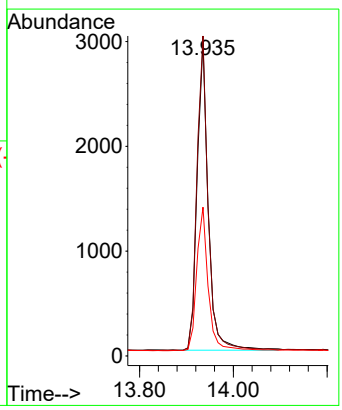


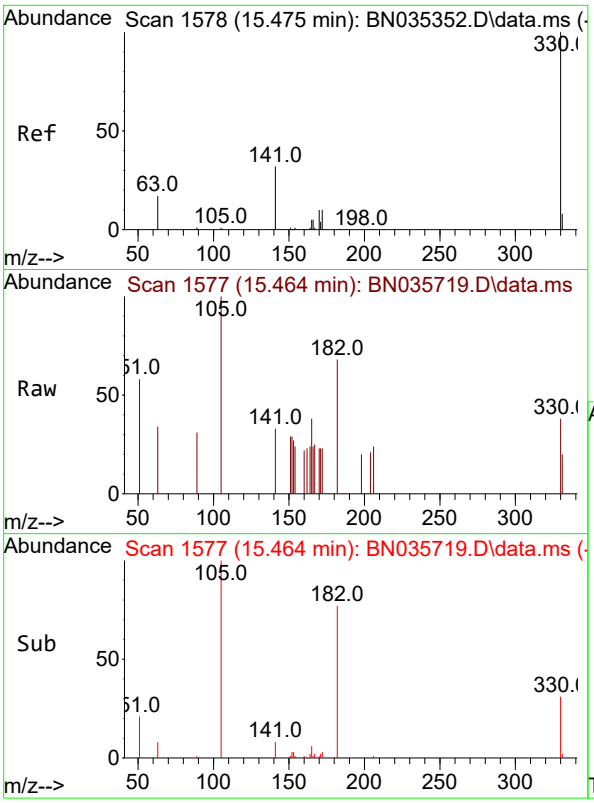


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.935 min Scan# 1434
Delta R.T. -0.000 min
Lab File: BN035719.D
Acq: 20 Dec 2024 00:10

Tgt Ion:164 Resp: 4865

Ion	Ratio	Lower	Upper
164	100		
162	101.9	82.2	123.2
160	47.4	40.1	60.1



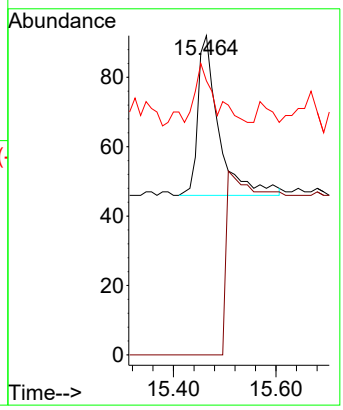


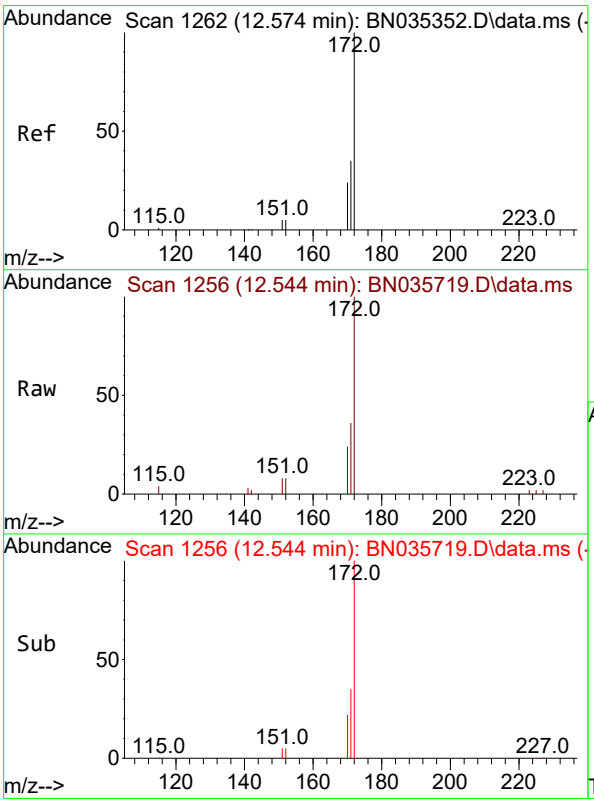
#14
2,4,6-Tribromophenol
Concen: 0.040 ng
RT: 15.464 min Scan# 1
Delta R.T. 0.011 min
Lab File: BN035719.D
Acq: 20 Dec 2024 00:10

Instrument :
BNA_N
ClientSampleId :
RE103D3-20241209

Tgt Ion:330 Resp: 137

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	42.3	26.6	40.0#

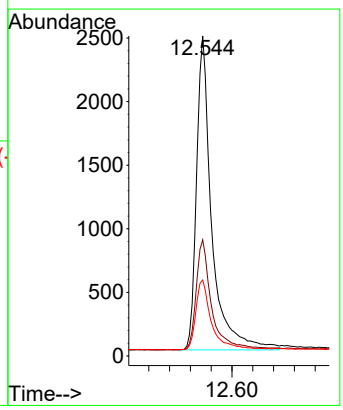


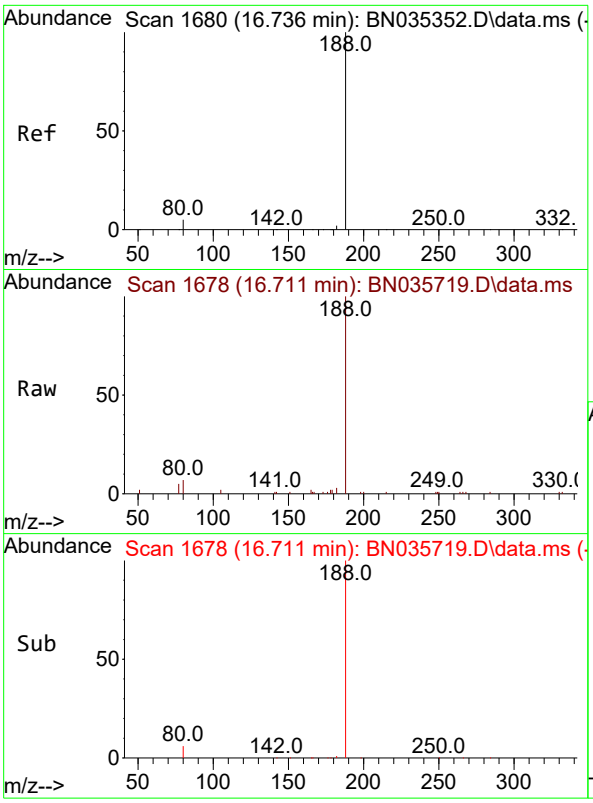


#15
2-Fluorobiphenyl
Concen: 0.273 ng
RT: 12.544 min Scan# 1256
Delta R.T. -0.000 min
Lab File: BN035719.D
Acq: 20 Dec 2024 00:10

Tgt Ion:172 Resp: 5019

Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.0	43.4
170	23.8	19.8	29.8



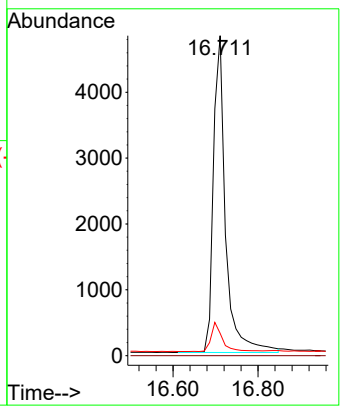


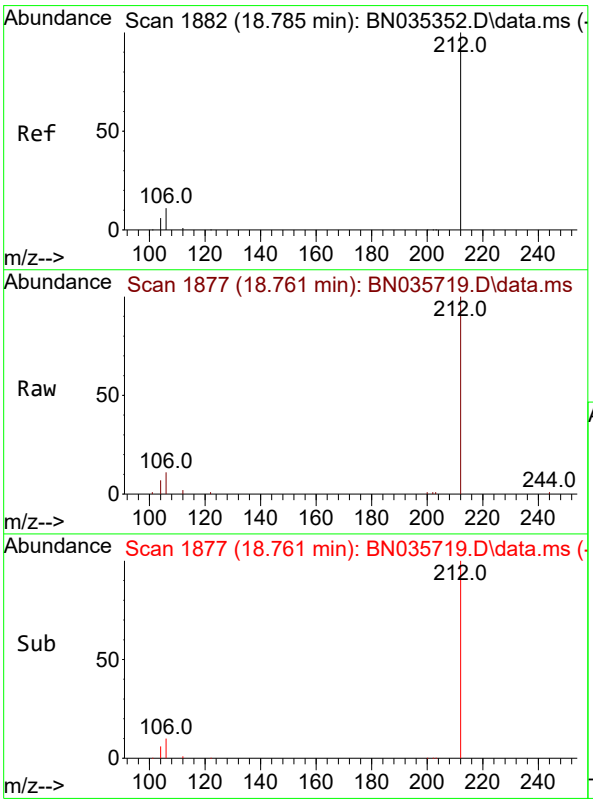
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.711 min Scan# 1(
Delta R.T. 0.012 min
Lab File: BN035719.D
Acq: 20 Dec 2024 00:10

Instrument :
BNA_N
ClientSampleId :
RE103D3-20241209

Tgt Ion:188 Resp: 9538

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.0	4.6	6.8#

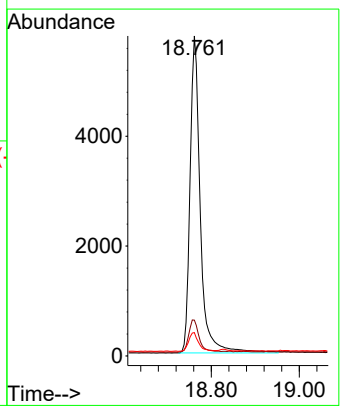


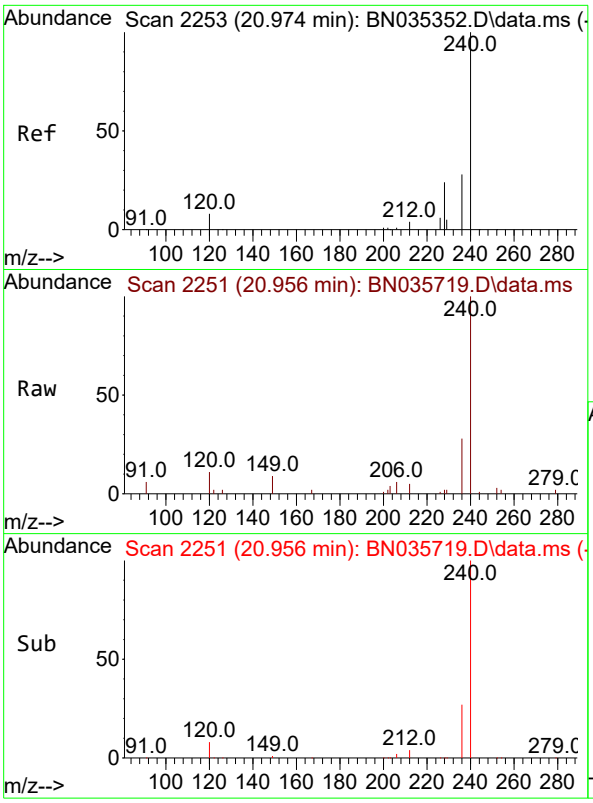


#27
Fluoranthene-d10
Concen: 0.346 ng
RT: 18.761 min Scan# 1877
Delta R.T. -0.000 min
Lab File: BN035719.D
Acq: 20 Dec 2024 00:10

Tgt Ion:212 Resp: 9354

Ion	Ratio	Lower	Upper
212	100		
106	10.1	9.2	13.8
104	5.7	5.3	7.9



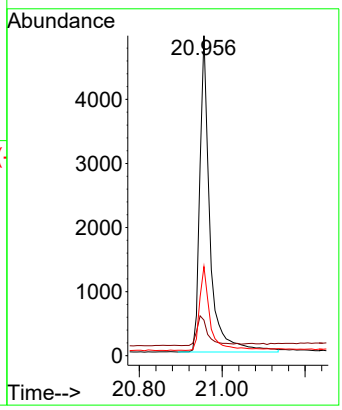


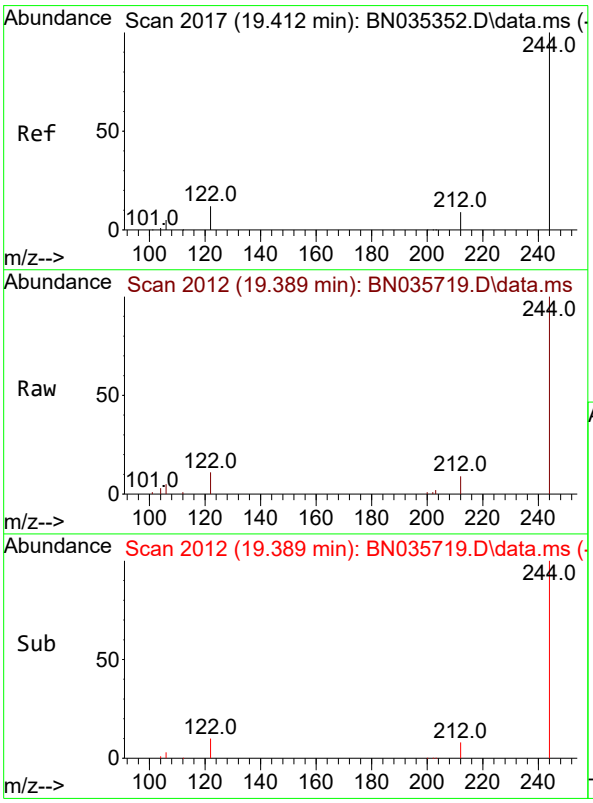
#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.956 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035719.D
Acq: 20 Dec 2024 00:10

Instrument :
BNA_N
ClientSampleId :
RE103D3-20241209

Tgt Ion:240 Resp: 8341

Ion	Ratio	Lower	Upper
240	100		
120	11.1	7.9	11.9
236	27.9	22.9	34.3

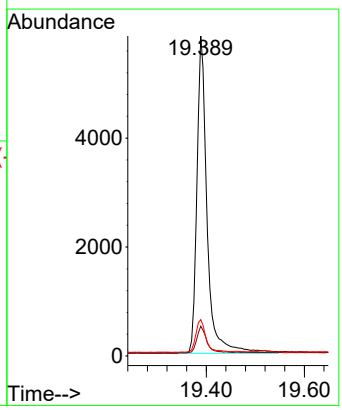


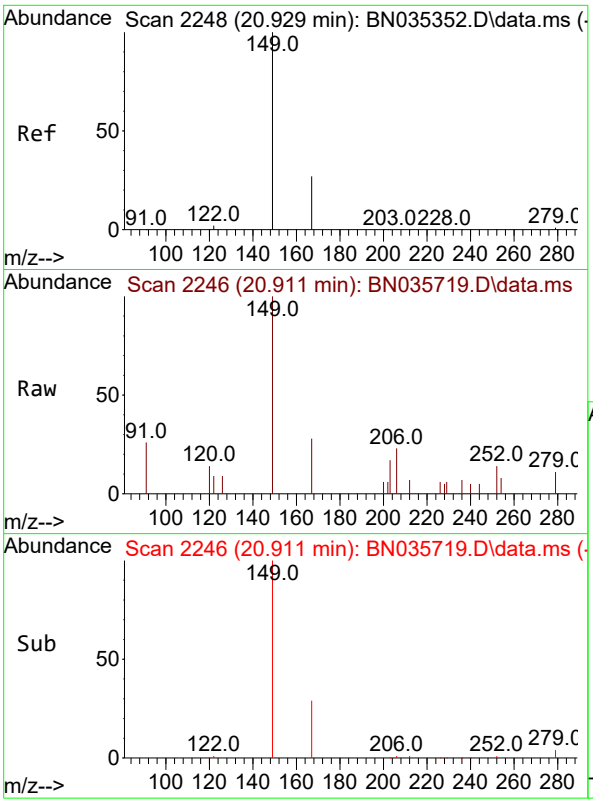


#31
Terphenyl-d14
Concen: 0.510 ng
RT: 19.389 min Scan# 2012
Delta R.T. -0.000 min
Lab File: BN035719.D
Acq: 20 Dec 2024 00:10

Tgt Ion:244 Resp: 8390

Ion	Ratio	Lower	Upper
244	100		
212	9.3	8.1	12.1
122	11.4	10.3	15.5



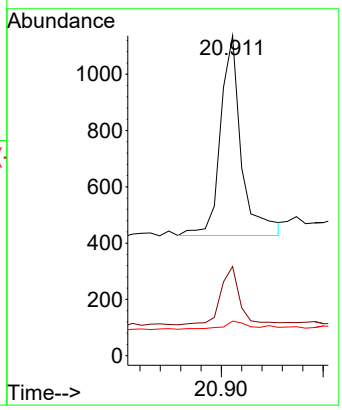


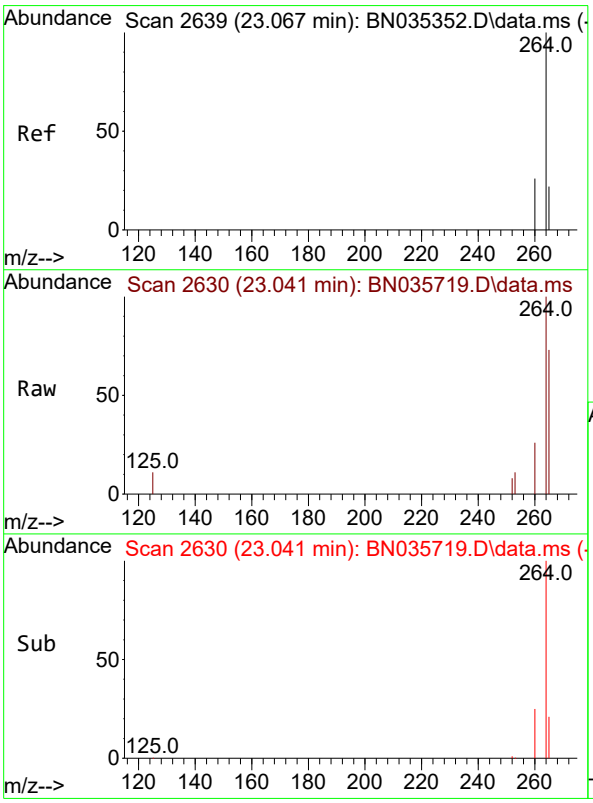
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.088 ng
RT: 20.911 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035719.D
Acq: 20 Dec 2024 00:10

Instrument :
BNA_N
ClientSampleId :
RE103D3-20241209

Tgt Ion:149 Resp: 1011

Ion	Ratio	Lower	Upper
149	100		
167	26.6	22.2	33.4
279	4.6	2.7	4.1#

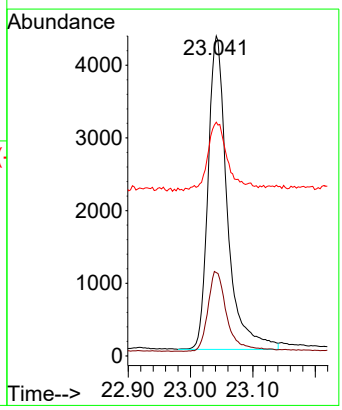




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.041 min Scan# 2630
Delta R.T. -0.000 min
Lab File: BN035719.D
Acq: 20 Dec 2024 00:10

Tgt Ion:264 Resp: 9222

Ion	Ratio	Lower	Upper
264	100		
260	26.1	21.4	32.2
265	73.1	40.2	60.4#



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035720.D
Acq On : 20 Dec 2024 00:46
Operator : RC/JU
Sample : P5261-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE134D1-20241209

Quant Time: Dec 20 01:46:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

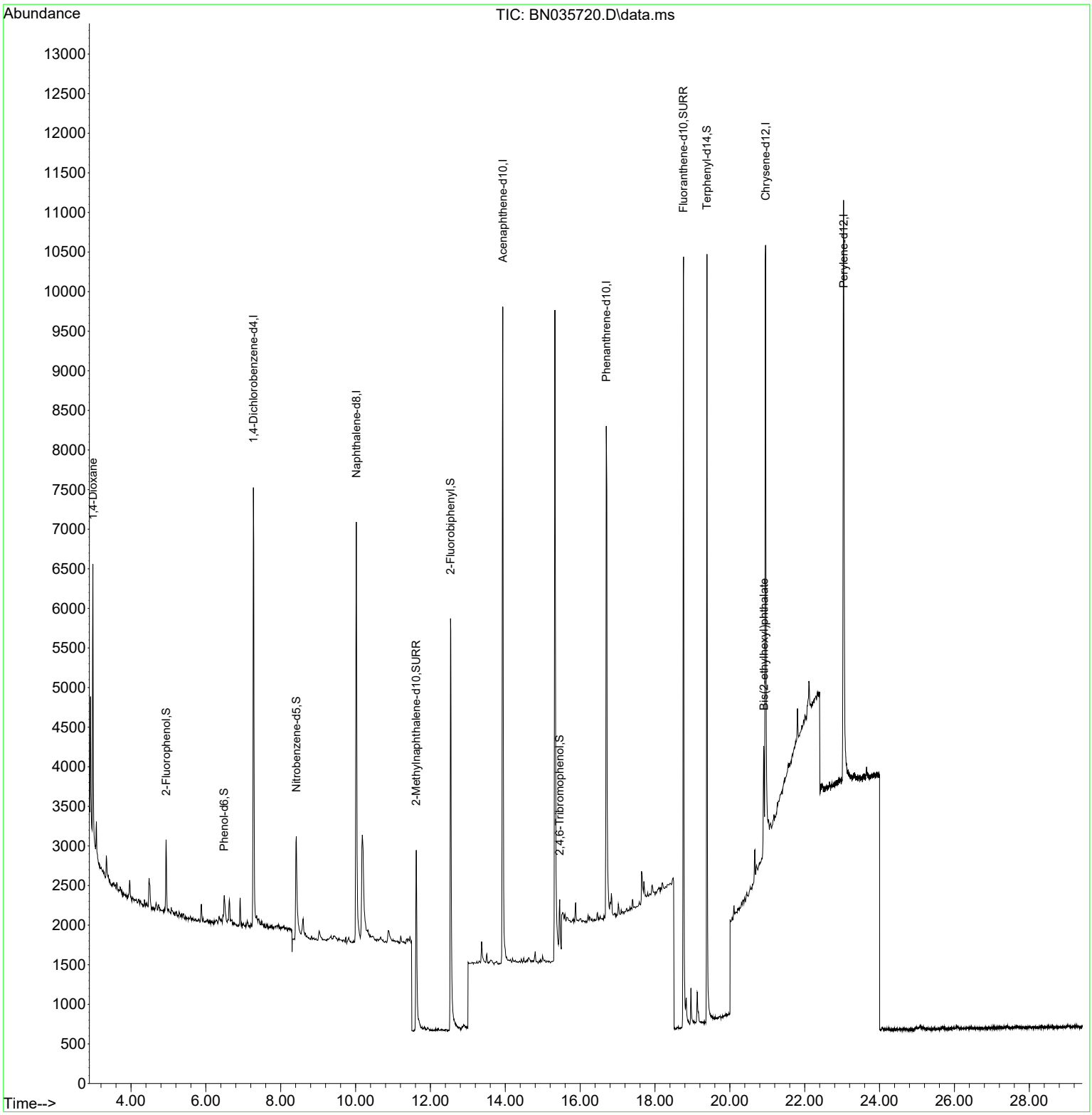
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.272	152	2993	0.400	ng	0.00
7) Naphthalene-d8	10.020	136	8239	0.400	ng	# 0.00
13) Acenaphthene-d10	13.935	164	5412	0.400	ng	0.00
19) Phenanthrene-d10	16.698	188	10731	0.400	ng	# 0.00
29) Chrysene-d12	20.956	240	9459	0.400	ng	0.00
35) Perylene-d12	23.038	264	10379	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.939	112	799	0.107	ng	0.00
5) Phenol-d6	6.492	99	479	0.053	ng	0.00
8) Nitrobenzene-d5	8.418	82	2064	0.410	ng	0.01
11) 2-Methylnaphthalene-d10	11.621	152	4230	0.328	ng	0.00
14) 2,4,6-Tribromophenol	15.453	330	733	0.191	ng	0.00
15) 2-Fluorobiphenyl	12.539	172	6104	0.298	ng	0.00
27) Fluoranthene-d10	18.761	212	12378	0.407	ng	0.00
31) Terphenyl-d14	19.389	244	10441	0.560	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.982	88	2349	0.821	ng	96
34) Bis(2-ethylhexyl)phtha...	20.911	149	1039	0.080	ng	# 98

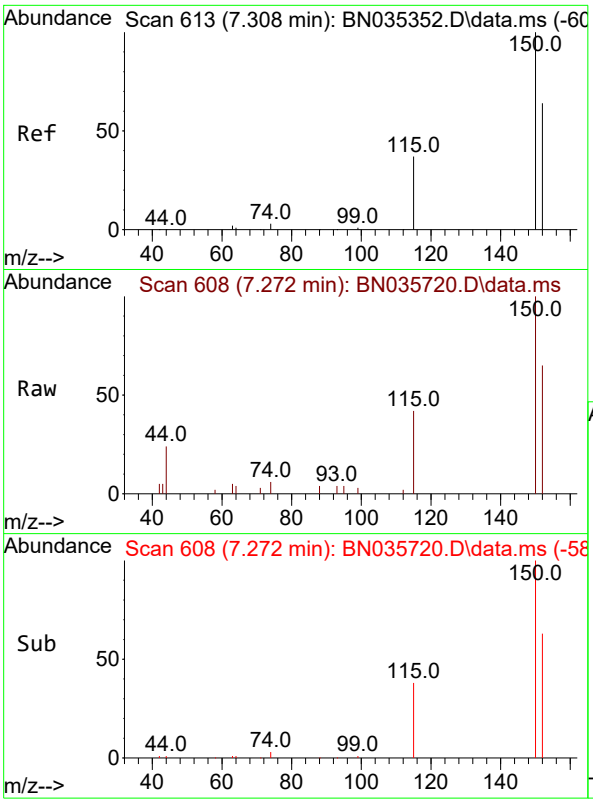
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035720.D
Acq On : 20 Dec 2024 00:46
Operator : RC/JU
Sample : P5261-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE134D1-20241209

Quant Time: Dec 20 01:46:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration



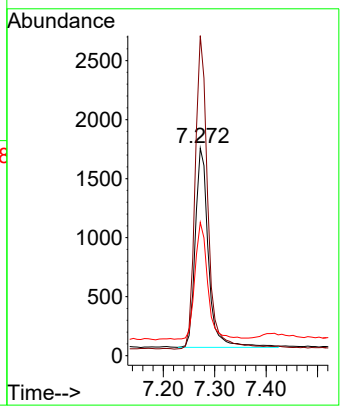


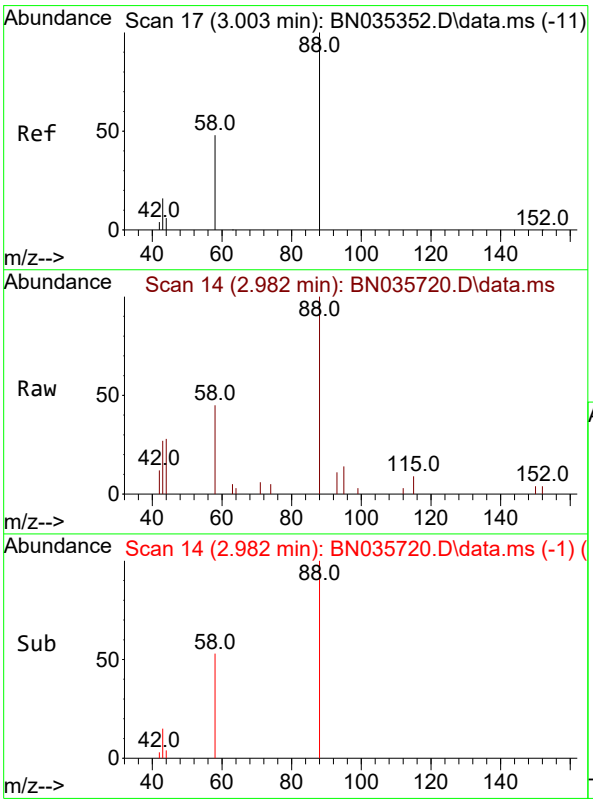
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.272 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN035720.D
Acq: 20 Dec 2024 00:46

Instrument :
BNA_N
ClientSampleId :
RE134D1-20241209

Tgt Ion:152 Resp: 2993

Ion	Ratio	Lower	Upper
152	100		
150	154.2	124.0	186.0
115	64.3	49.6	74.4

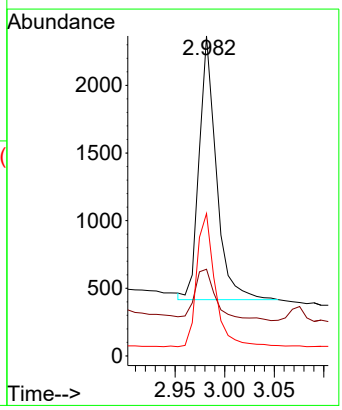


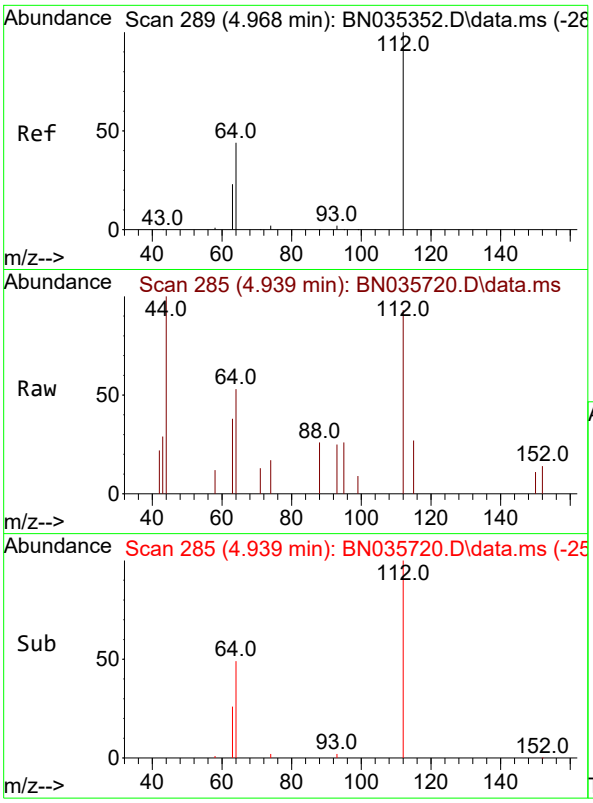


#2
1,4-Dioxane
Concen: 0.821 ng
RT: 2.982 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035720.D
Acq: 20 Dec 2024 00:46

Tgt Ion: 88 Resp: 2349

Ion	Ratio	Lower	Upper
88	100		
43	24.7	17.2	25.8
58	53.9	44.5	66.7



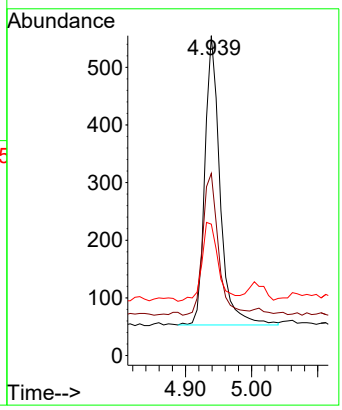


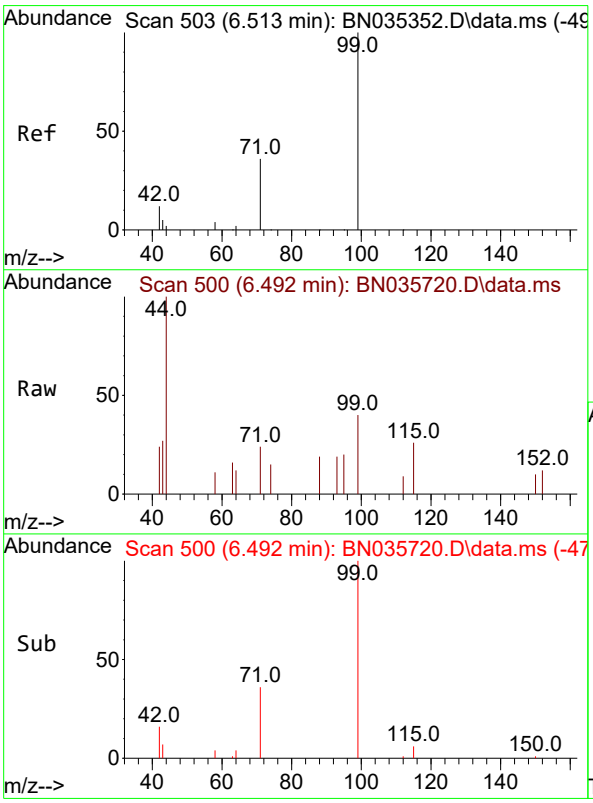
#4
2-Fluorophenol
Concen: 0.107 ng
RT: 4.939 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035720.D
Acq: 20 Dec 2024 00:46

Instrument :
BNA_N
ClientSampleId :
RE134D1-20241209

Tgt Ion:112 Resp: 799

Ion	Ratio	Lower	Upper
112	100		
64	50.6	39.8	59.8
63	29.2	21.0	31.6

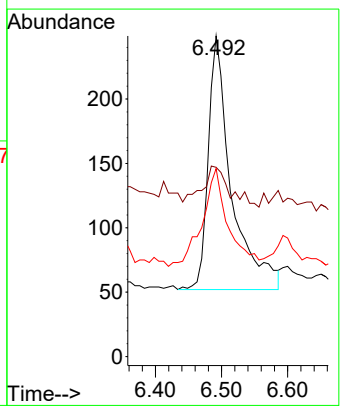


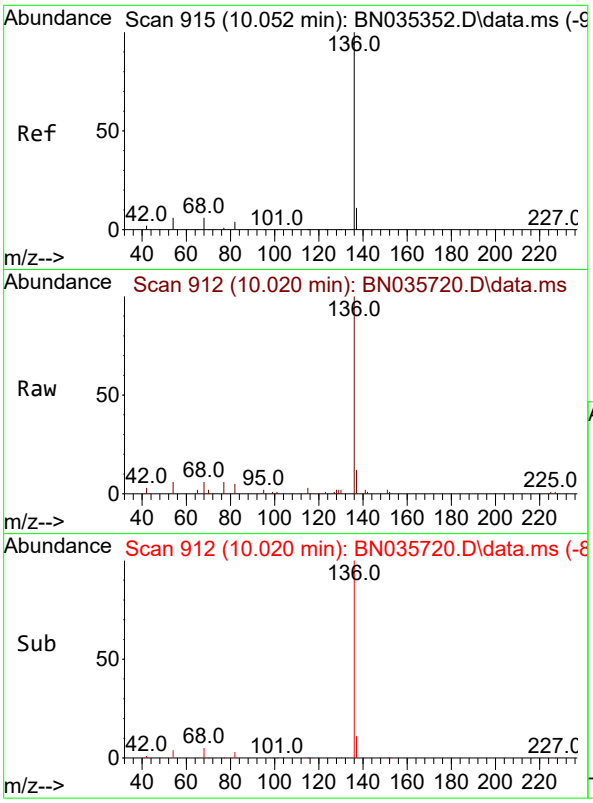


#5
Phenol-d6
Concen: 0.053 ng
RT: 6.492 min Scan# 500
Delta R.T. -0.000 min
Lab File: BN035720.D
Acq: 20 Dec 2024 00:46

Tgt Ion: 99 Resp: 479

Ion	Ratio	Lower	Upper
99	100		
42	21.5	11.4	17.2#
71	42.8	29.3	43.9



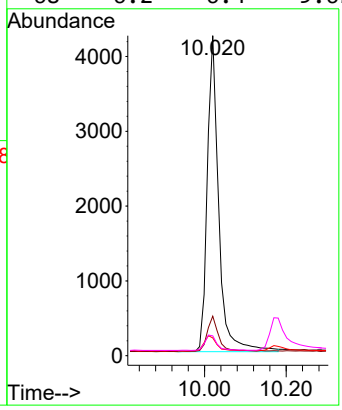


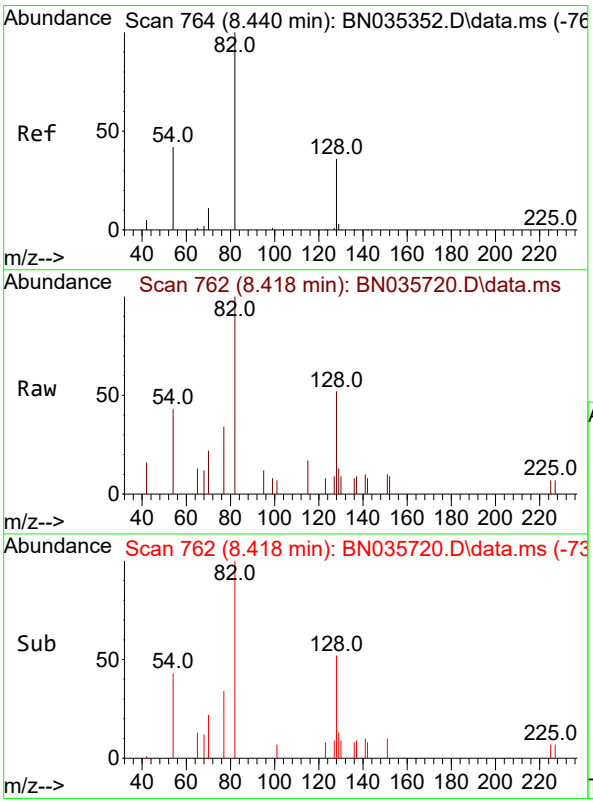
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.020 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN035720.D
Acq: 20 Dec 2024 00:46

Instrument :
BNA_N
ClientSampleId :
RE134D1-20241209

Tgt Ion:136 Resp: 8239

Ion	Ratio	Lower	Upper
136	100		
137	12.3	10.2	15.2
54	5.5	6.1	9.1#
68	6.2	6.4	9.6#

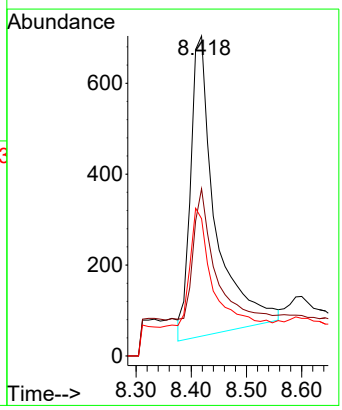


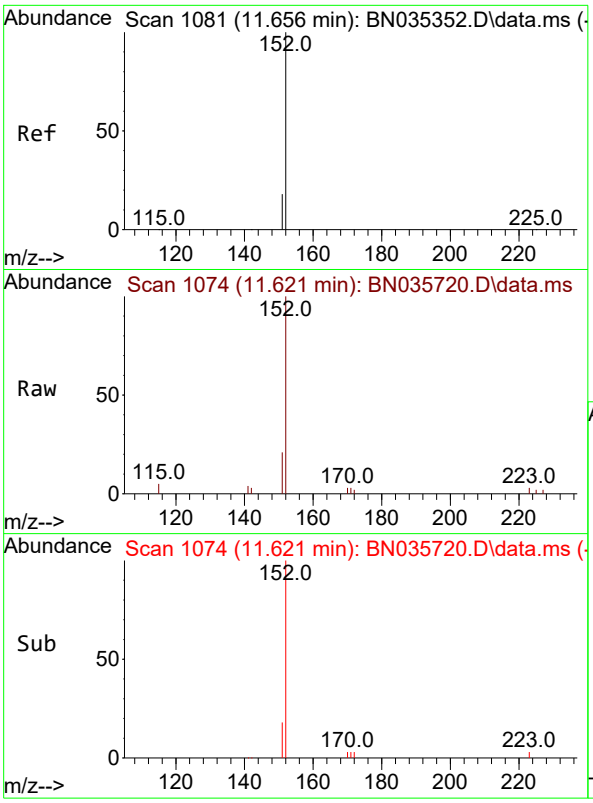


#8
Nitrobenzene-d5
Concen: 0.410 ng
RT: 8.418 min Scan# 762
Delta R.T. 0.011 min
Lab File: BN035720.D
Acq: 20 Dec 2024 00:46

Tgt Ion: 82 Resp: 2064

Ion	Ratio	Lower	Upper
82	100		
128	52.3	33.4	50.0#
54	42.9	36.7	55.1



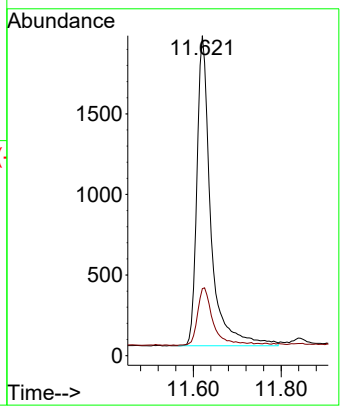


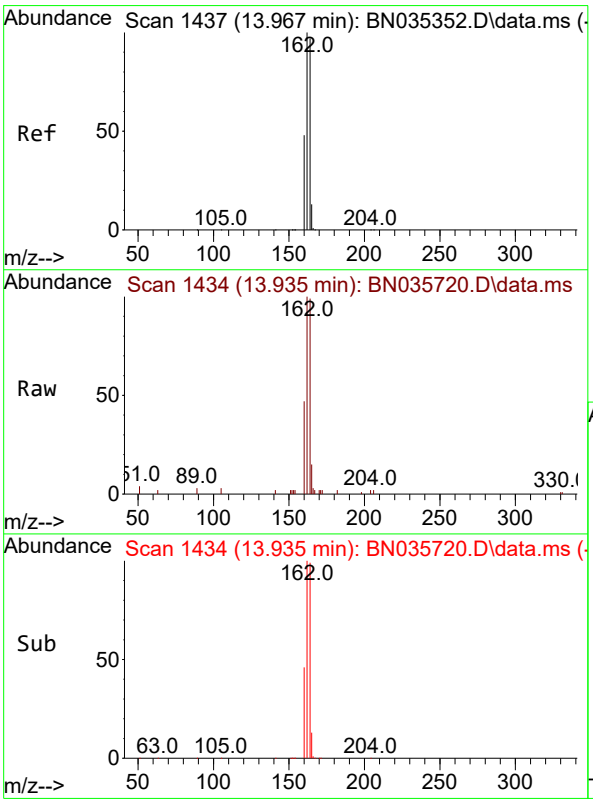
#11
2-Methylnaphthalene-d10
Concen: 0.328 ng
RT: 11.621 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035720.D
Acq: 20 Dec 2024 00:46

Instrument :
BNA_N
ClientSampleId :
RE134D1-20241209

Tgt Ion:152 Resp: 4230

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.6	25.0

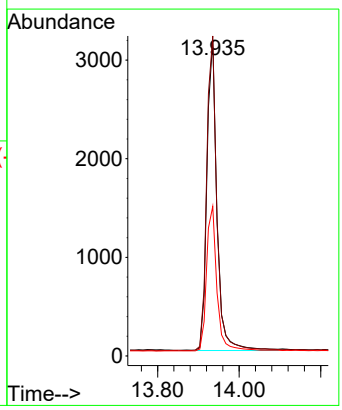


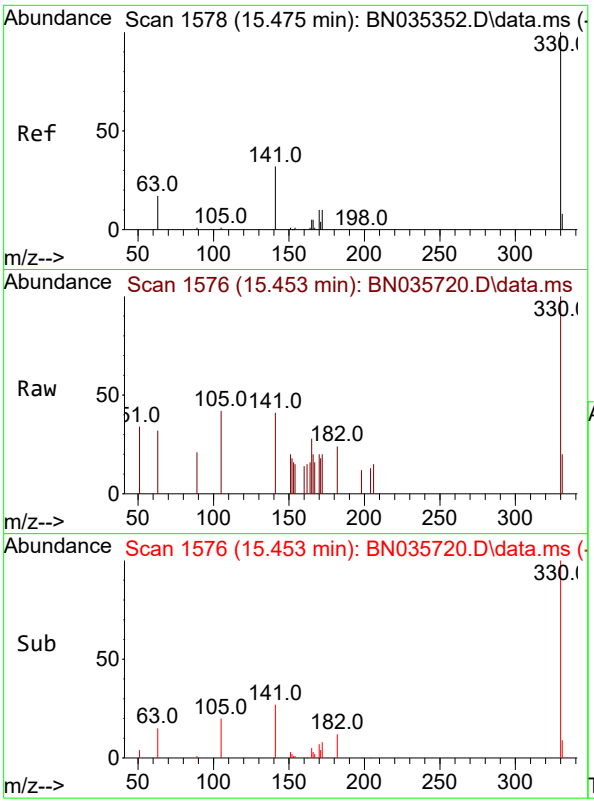


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.935 min Scan# 1434
Delta R.T. -0.000 min
Lab File: BN035720.D
Acq: 20 Dec 2024 00:46

Tgt Ion:164 Resp: 5412

Ion	Ratio	Lower	Upper
164	100		
162	101.2	82.2	123.2
160	47.3	40.1	60.1



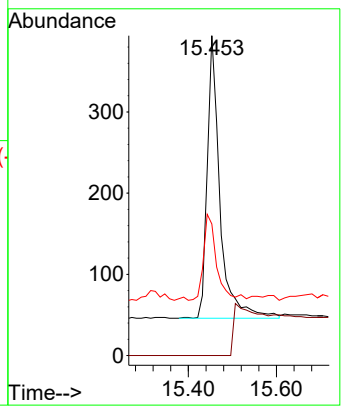


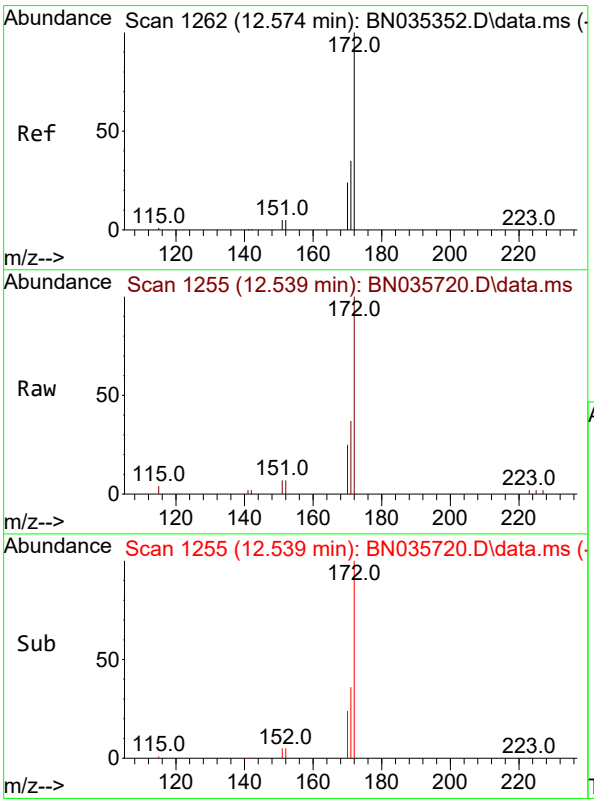
#14
2,4,6-Tribromophenol
Concen: 0.191 ng
RT: 15.453 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035720.D
Acq: 20 Dec 2024 00:46

Instrument :
BNA_N
ClientSampleId :
RE134D1-20241209

Tgt Ion:330 Resp: 733

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	30.3	26.6	40.0

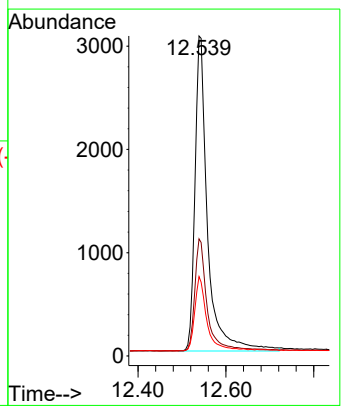


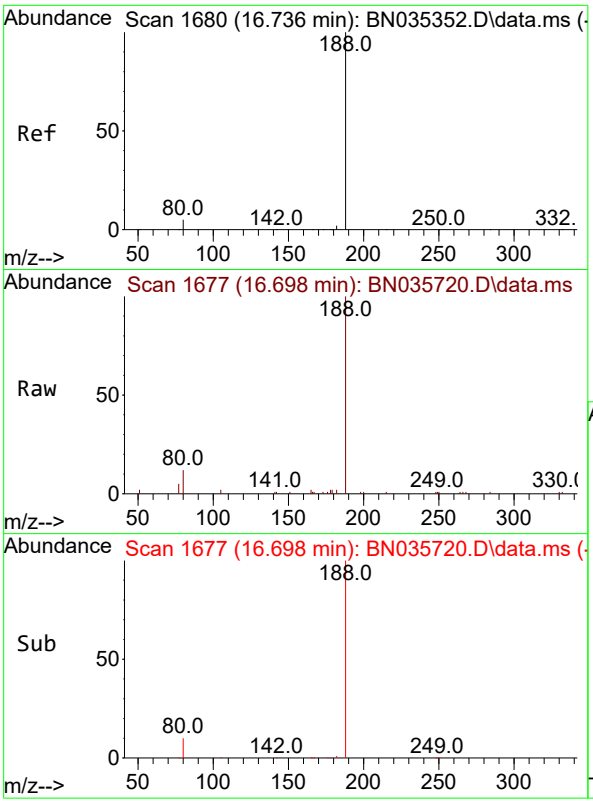


#15
2-Fluorobiphenyl
Concen: 0.298 ng
RT: 12.539 min Scan# 1255
Delta R.T. -0.005 min
Lab File: BN035720.D
Acq: 20 Dec 2024 00:46

Tgt Ion:172 Resp: 6104

Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.0	43.4
170	24.8	19.8	29.8



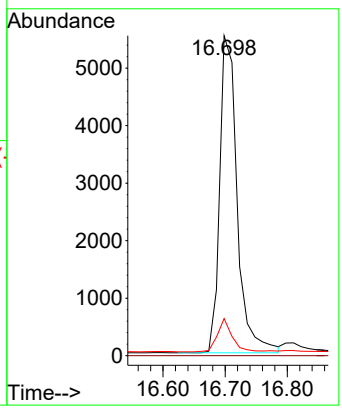


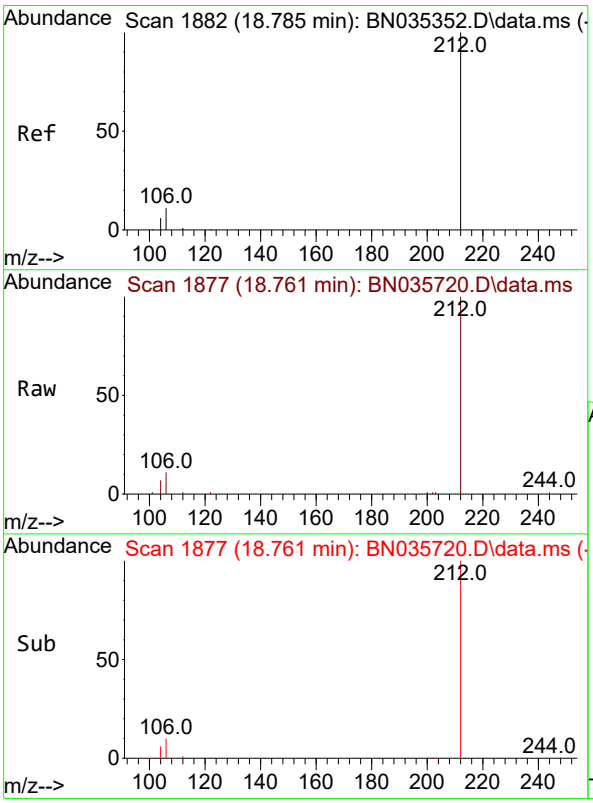
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.698 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN035720.D
Acq: 20 Dec 2024 00:46

Instrument :
BNA_N
ClientSampleId :
RE134D1-20241209

Tgt Ion:188 Resp: 10731

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.6	4.6	6.8#

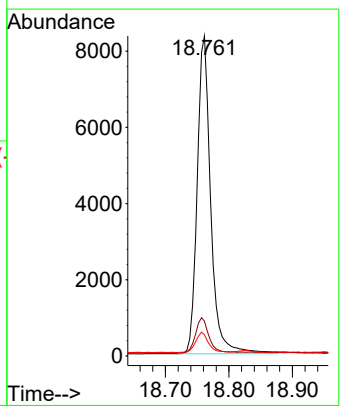


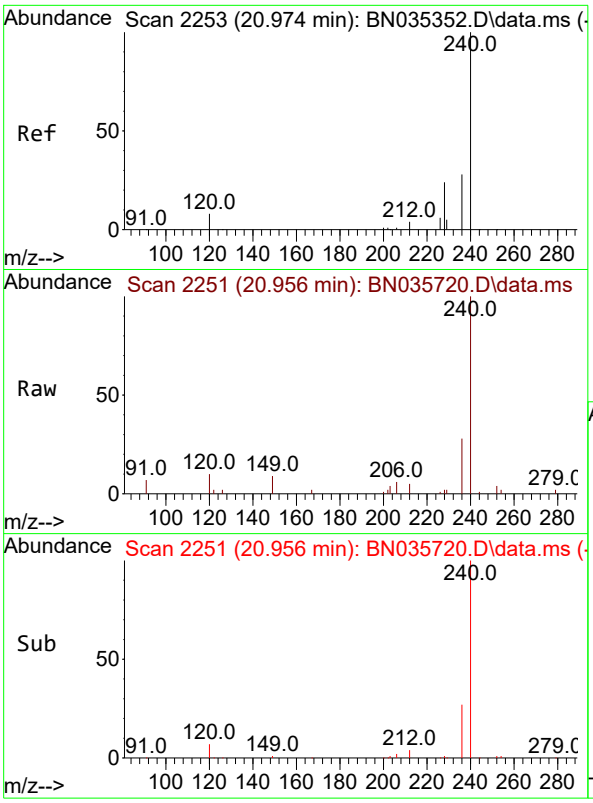


#27
Fluoranthene-d10
Concen: 0.407 ng
RT: 18.761 min Scan# 1877
Delta R.T. -0.000 min
Lab File: BN035720.D
Acq: 20 Dec 2024 00:46

Tgt Ion:212 Resp: 12378

Ion	Ratio	Lower	Upper
212	100		
106	11.0	9.2	13.8
104	6.0	5.3	7.9



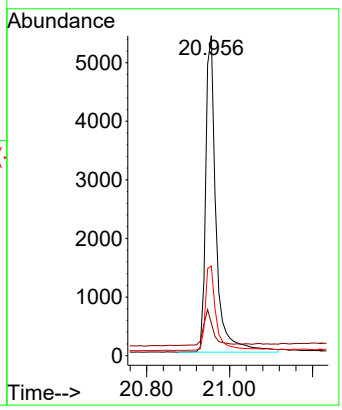


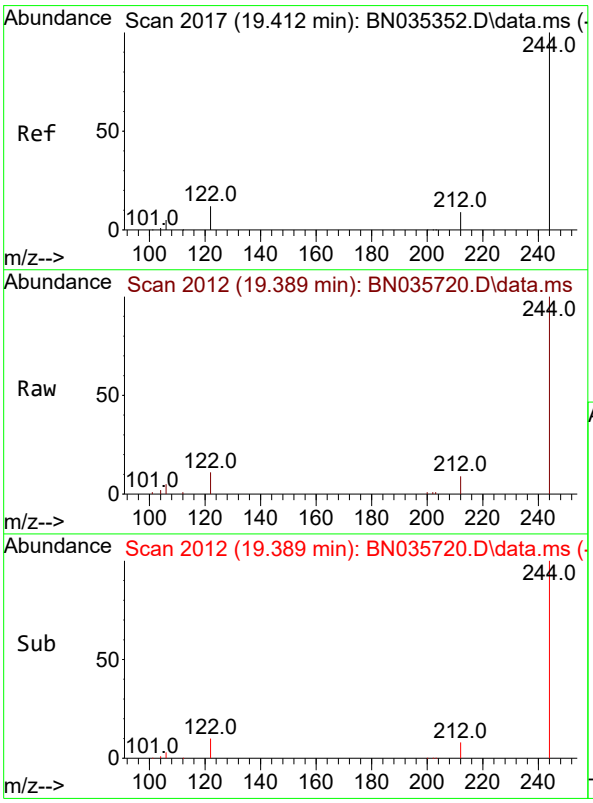
#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.956 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035720.D
Acq: 20 Dec 2024 00:46

Instrument :
BNA_N
ClientSampleId :
RE134D1-20241209

Tgt Ion:240 Resp: 9459

Ion	Ratio	Lower	Upper
240	100		
120	10.2	7.9	11.9
236	28.1	22.9	34.3

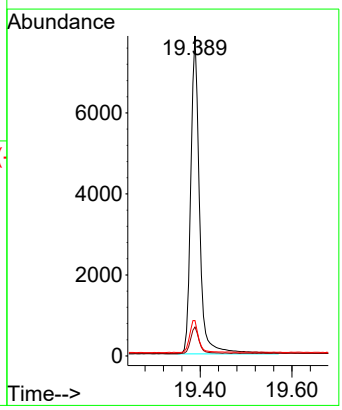


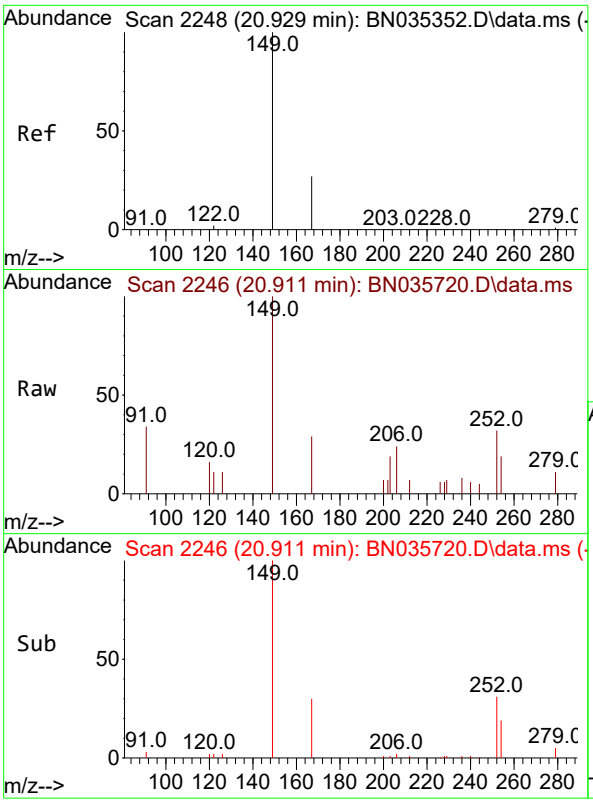


#31
Terphenyl-d14
Concen: 0.560 ng
RT: 19.389 min Scan# 2012
Delta R.T. -0.000 min
Lab File: BN035720.D
Acq: 20 Dec 2024 00:46

Tgt Ion:244 Resp: 10441

Ion	Ratio	Lower	Upper
244	100		
212	9.1	8.1	12.1
122	11.1	10.3	15.5



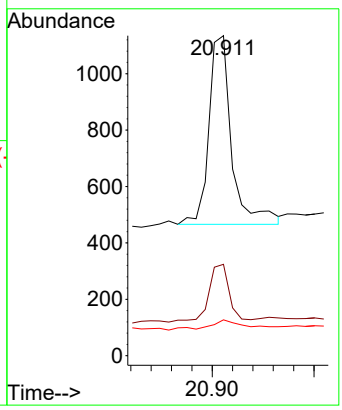


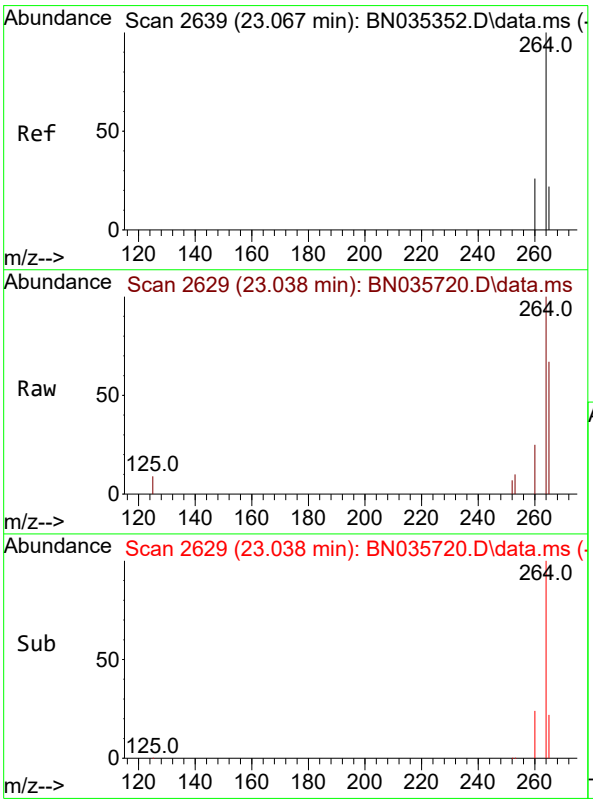
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.080 ng
RT: 20.911 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035720.D
Acq: 20 Dec 2024 00:46

Instrument :
BNA_N
ClientSampleId :
RE134D1-20241209

Tgt Ion:149 Resp: 1039

Ion	Ratio	Lower	Upper
149	100		
167	27.9	22.2	33.4
279	8.7	2.7	4.1#

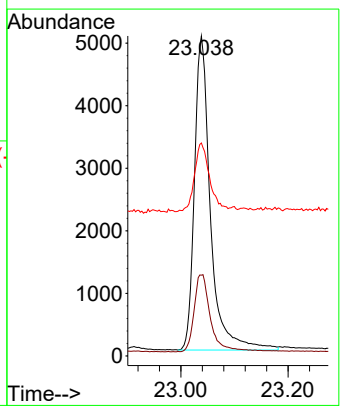




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.038 min Scan# 2629
Delta R.T. -0.003 min
Lab File: BN035720.D
Acq: 20 Dec 2024 00:46

Tgt Ion:264 Resp: 10379

Ion	Ratio	Lower	Upper
264	100		
260	25.3	21.4	32.2
265	66.6	40.2	60.4#



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035721.D
Acq On : 20 Dec 2024 01:22
Operator : RC/JU
Sample : P5261-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DUP-01-20241209

Quant Time: Dec 20 02:56:22 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

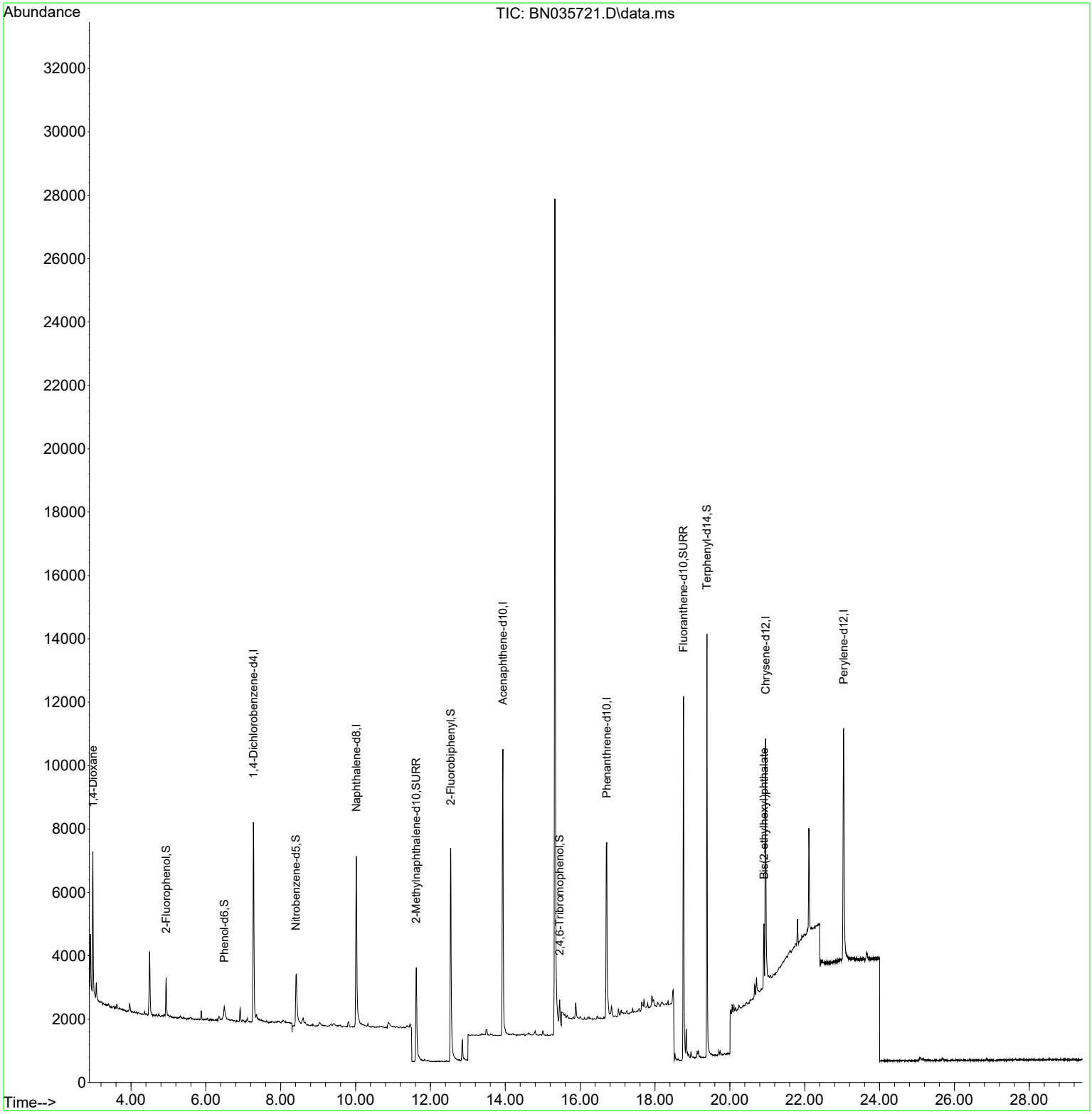
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.272	152	3370	0.400	ng	0.00
7) Naphthalene-d8	10.020	136	8947	0.400	ng	# 0.00
13) Acenaphthene-d10	13.935	164	5786	0.400	ng	0.00
19) Phenanthrene-d10	16.711	188	10480	0.400	ng	# 0.01
29) Chrysene-d12	20.956	240	9572	0.400	ng	0.00
35) Perylene-d12	23.038	264	10429	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.939	112	1063	0.126	ng	0.00
5) Phenol-d6	6.492	99	609	0.060	ng	0.00
8) Nitrobenzene-d5	8.408	82	2660	0.487	ng	0.00
11) 2-Methylnaphthalene-d10	11.621	152	5533	0.395	ng	0.00
14) 2,4,6-Tribromophenol	15.453	330	931	0.227	ng	0.00
15) 2-Fluorobiphenyl	12.544	172	8064	0.369	ng	0.00
27) Fluoranthene-d10	18.761	212	14533	0.489	ng	0.00
31) Terphenyl-d14	19.389	244	14039	0.743	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.982	88	3037	0.943	ng	99
34) Bis(2-ethylhexyl)phtha...	20.911	149	1934	0.146	ng	# 97

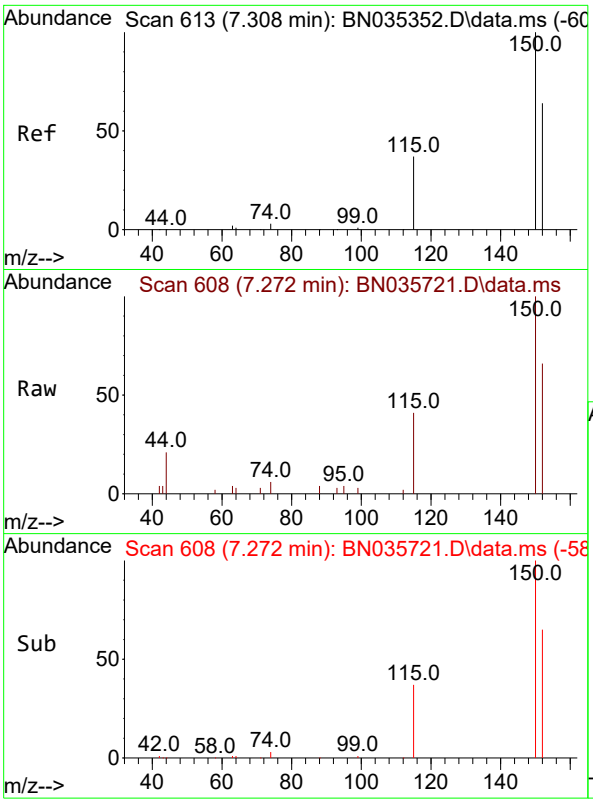
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035721.D
Acq On : 20 Dec 2024 01:22
Operator : RC/JU
Sample : P5261-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DUP-01-20241209

Quant Time: Dec 20 02:56:22 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration



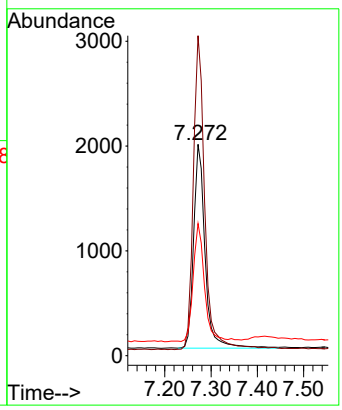


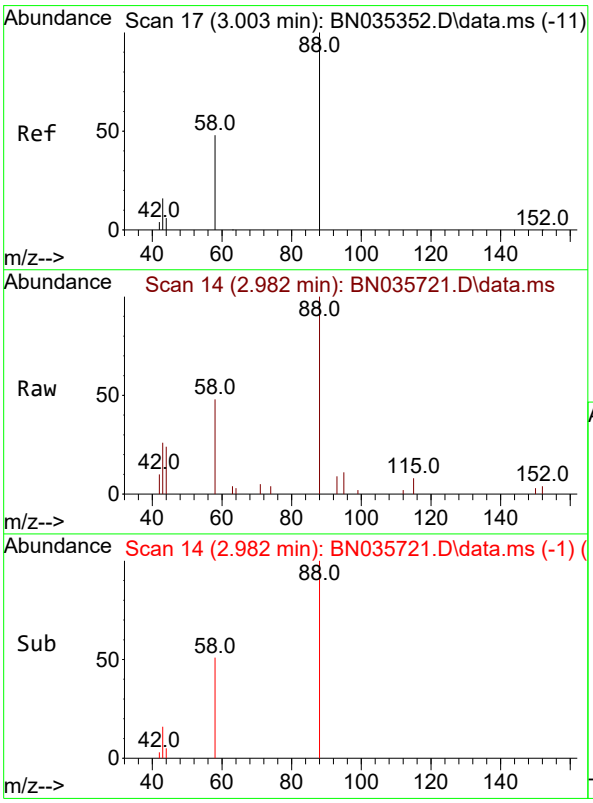
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.272 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN035721.D
Acq: 20 Dec 2024 01:22

Instrument :
BNA_N
ClientSampleId :
DUP-01-20241209

Tgt Ion:152 Resp: 3370

Ion	Ratio	Lower	Upper
152	100		
150	151.4	124.0	186.0
115	62.5	49.6	74.4

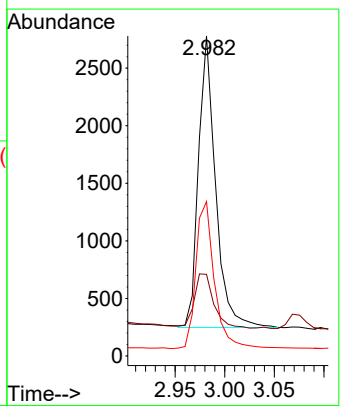


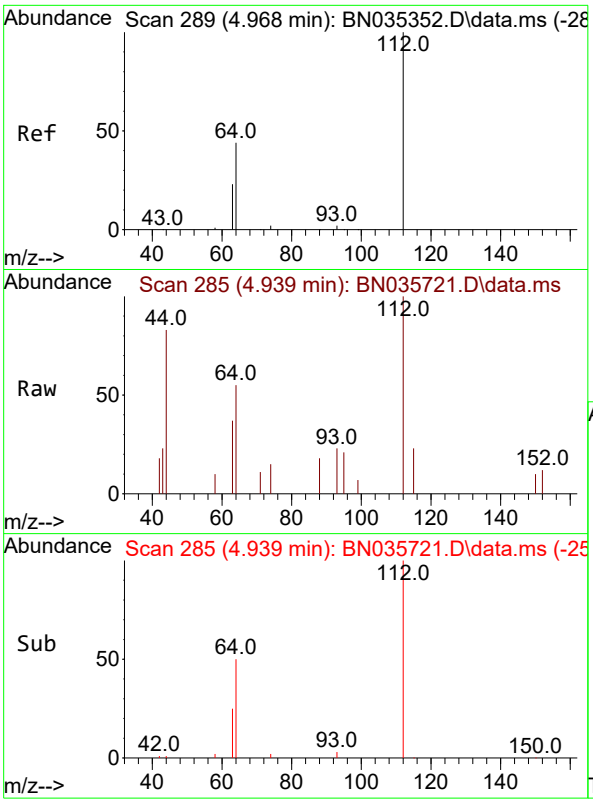


#2
1,4-Dioxane
Concen: 0.943 ng
RT: 2.982 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035721.D
Acq: 20 Dec 2024 01:22

Tgt Ion: 88 Resp: 3037

Ion	Ratio	Lower	Upper
88	100		
43	21.0	17.2	25.8
58	54.7	44.5	66.7



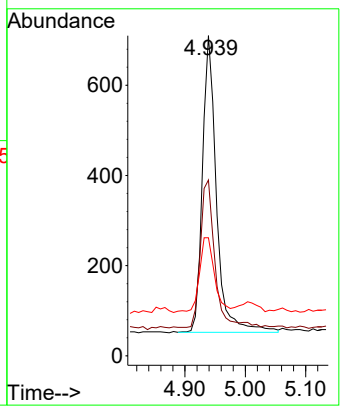


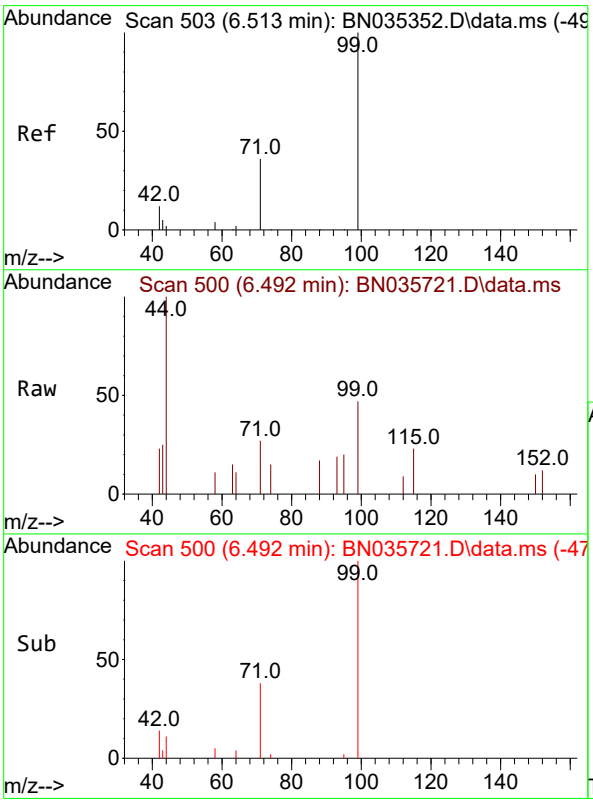
#4
2-Fluorophenol
Concen: 0.126 ng
RT: 4.939 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035721.D
Acq: 20 Dec 2024 01:22

Instrument :
BNA_N
ClientSampleId :
DUP-01-20241209

Tgt Ion:112 Resp: 1063

Ion	Ratio	Lower	Upper
112	100		
64	52.0	39.8	59.8
63	27.4	21.0	31.6

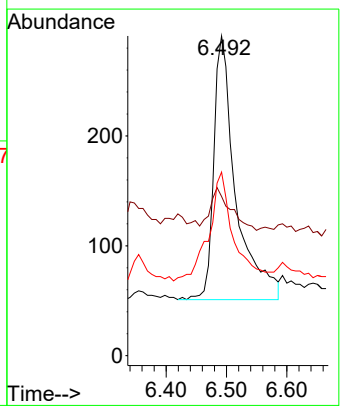


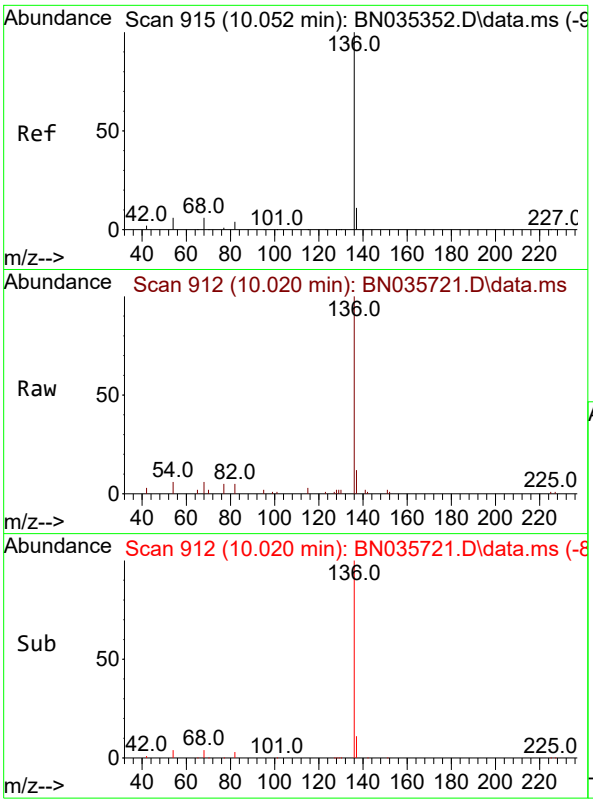


#5
Phenol-d6
Concen: 0.060 ng
RT: 6.492 min Scan# 500
Delta R.T. -0.000 min
Lab File: BN035721.D
Acq: 20 Dec 2024 01:22

Tgt Ion: 99 Resp: 609

Ion	Ratio	Lower	Upper
99	100		
42	18.6	11.4	17.2#
71	45.8	29.3	43.9#



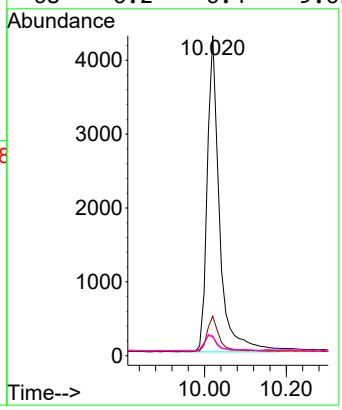


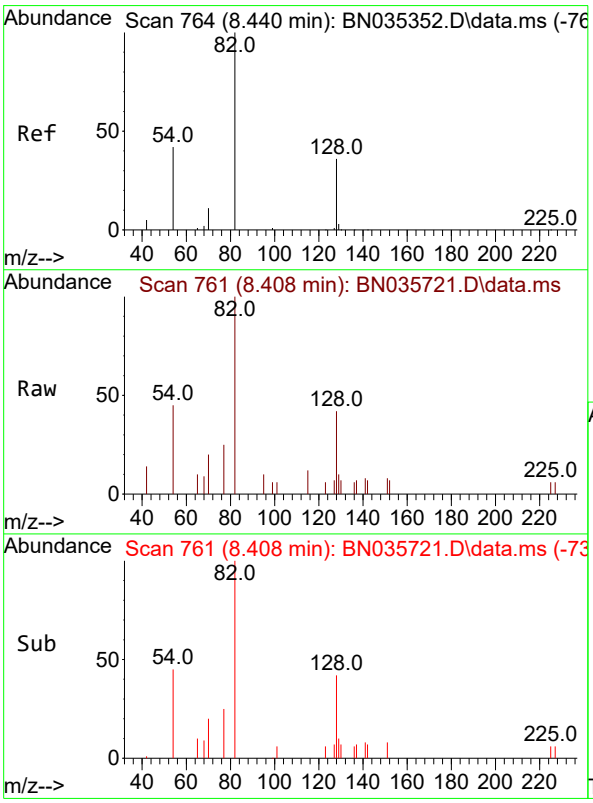
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.020 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN035721.D
Acq: 20 Dec 2024 01:22

Instrument :
BNA_N
ClientSampleId :
DUP-01-20241209

Tgt Ion:136 Resp: 8947

Ion	Ratio	Lower	Upper
136	100		
137	12.3	10.2	15.2
54	5.9	6.1	9.1#
68	6.2	6.4	9.6#

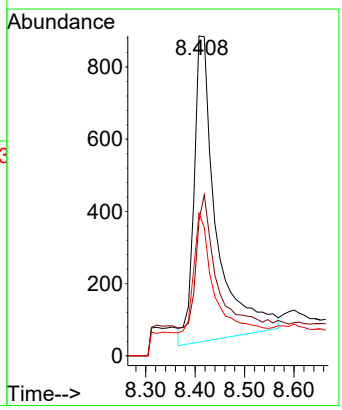


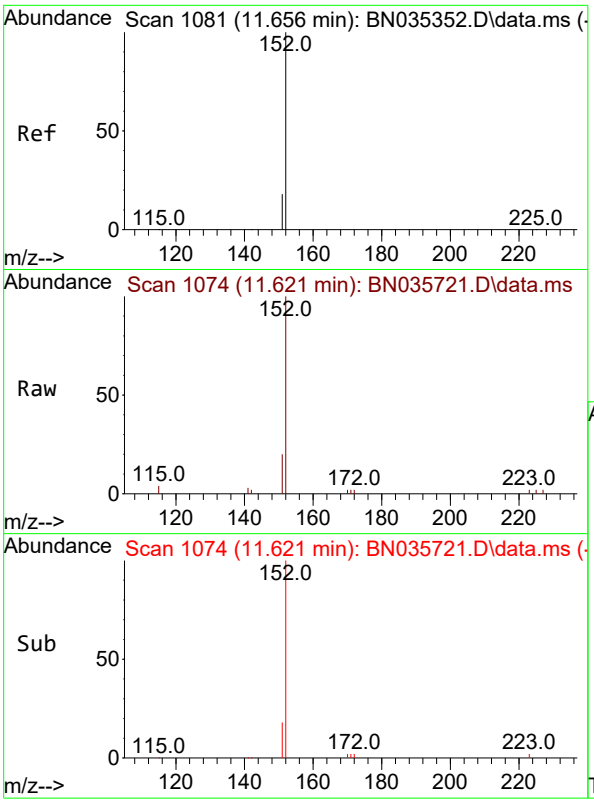


#8
Nitrobenzene-d5
Concen: 0.487 ng
RT: 8.408 min Scan# 761
Delta R.T. -0.000 min
Lab File: BN035721.D
Acq: 20 Dec 2024 01:22

Tgt Ion: 82 Resp: 2660

Ion	Ratio	Lower	Upper
82	100		
128	42.3	33.4	50.0
54	44.6	36.7	55.1



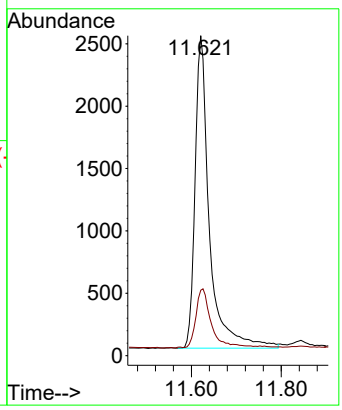


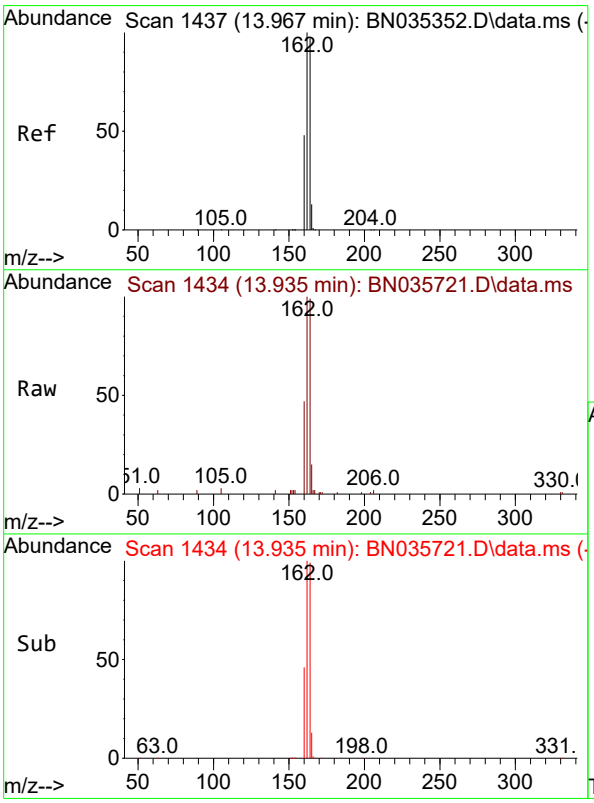
#11
2-Methylnaphthalene-d10
Concen: 0.395 ng
RT: 11.621 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035721.D
Acq: 20 Dec 2024 01:22

Instrument :
BNA_N
ClientSampleId :
DUP-01-20241209

Tgt Ion:152 Resp: 5533

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.6	25.0

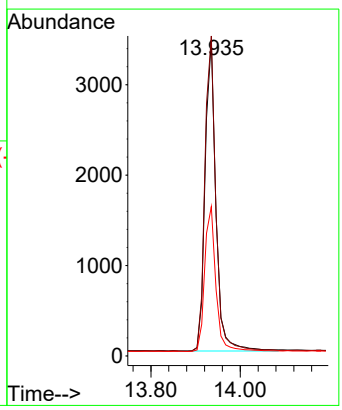


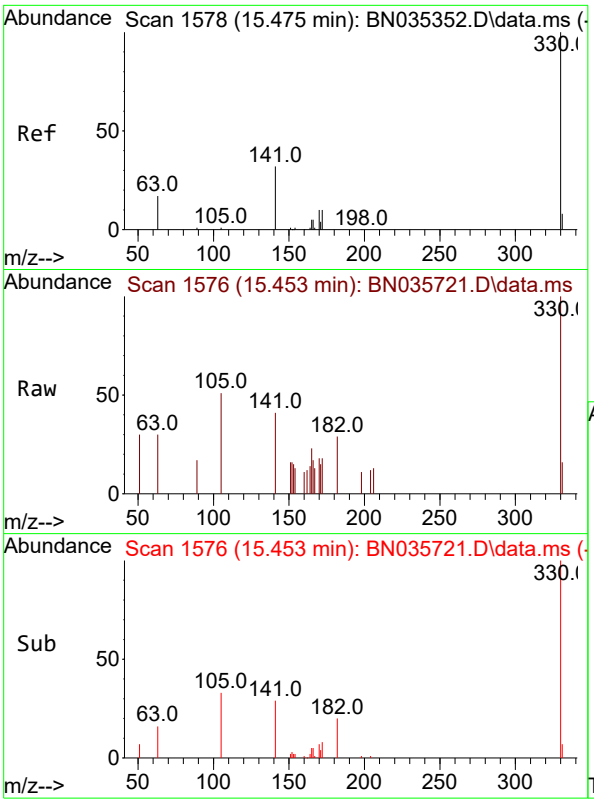


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.935 min Scan# 1434
Delta R.T. -0.000 min
Lab File: BN035721.D
Acq: 20 Dec 2024 01:22

Tgt Ion:164 Resp: 5786

Ion	Ratio	Lower	Upper
164	100		
162	101.3	82.2	123.2
160	47.3	40.1	60.1



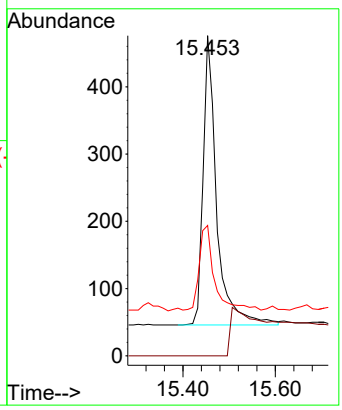


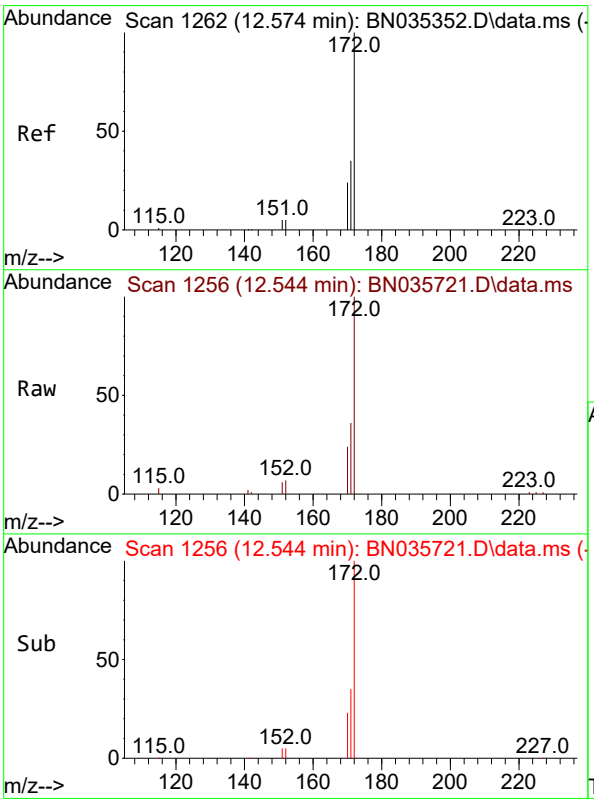
#14
2,4,6-Tribromophenol
Concen: 0.227 ng
RT: 15.453 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035721.D
Acq: 20 Dec 2024 01:22

Instrument :
BNA_N
ClientSampleId :
DUP-01-20241209

Tgt Ion:330 Resp: 931

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	31.6	26.6	40.0

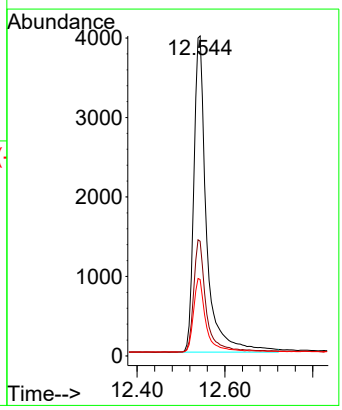


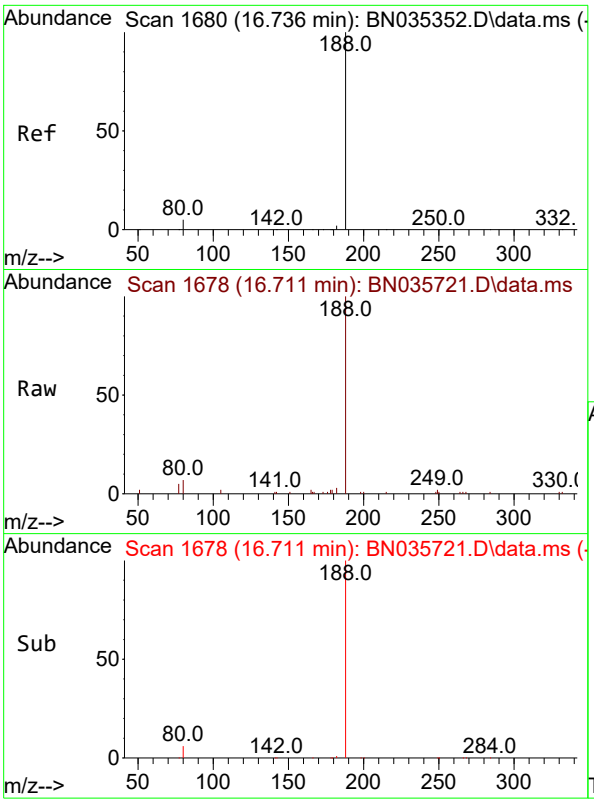


#15
2-Fluorobiphenyl
Concen: 0.369 ng
RT: 12.544 min Scan# 1256
Delta R.T. -0.000 min
Lab File: BN035721.D
Acq: 20 Dec 2024 01:22

Tgt Ion:172 Resp: 8064

Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.0	43.4
170	23.9	19.8	29.8



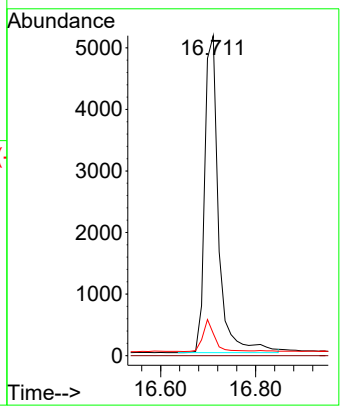


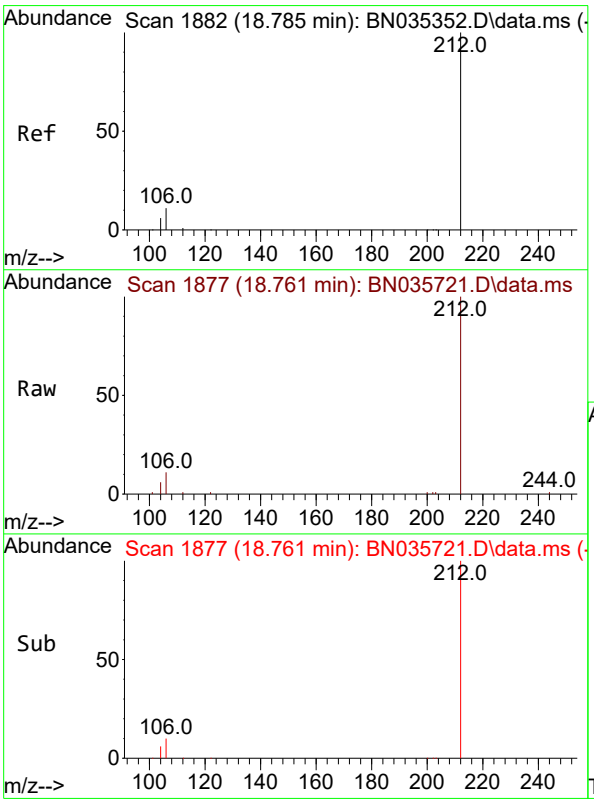
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.711 min Scan# 1
Delta R.T. 0.012 min
Lab File: BN035721.D
Acq: 20 Dec 2024 01:22

Instrument :
BNA_N
ClientSampleId :
DUP-01-20241209

Tgt Ion:188 Resp: 10480

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.0	4.6	6.8#

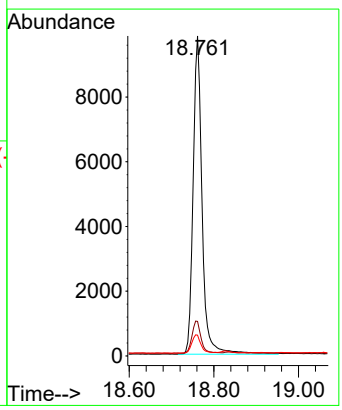


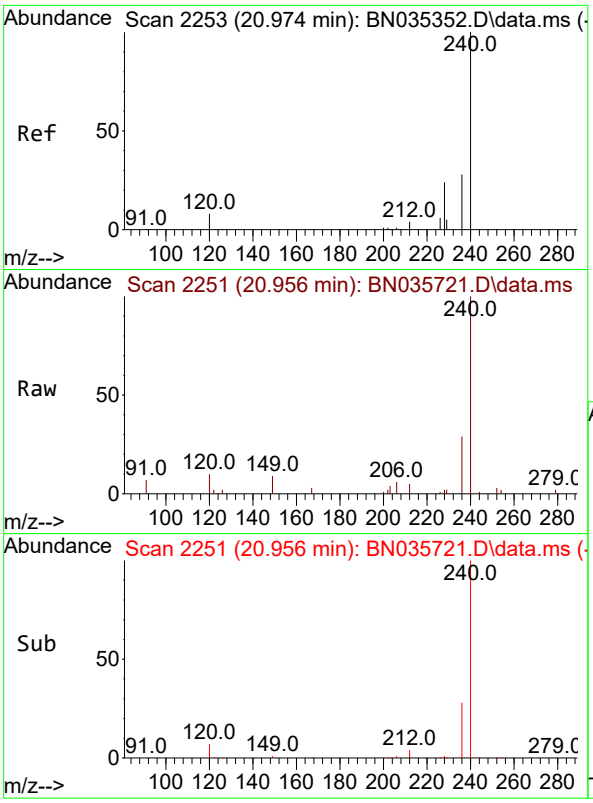


#27
Fluoranthene-d10
Concen: 0.489 ng
RT: 18.761 min Scan# 1877
Delta R.T. -0.000 min
Lab File: BN035721.D
Acq: 20 Dec 2024 01:22

Tgt Ion:212 Resp: 14533

Ion	Ratio	Lower	Upper
212	100		
106	10.2	9.2	13.8
104	5.8	5.3	7.9



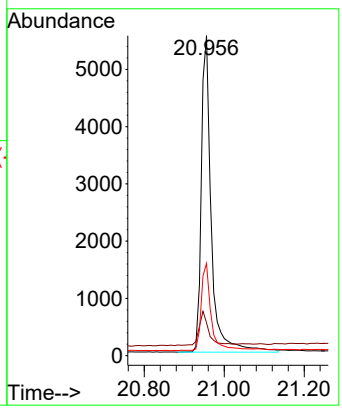


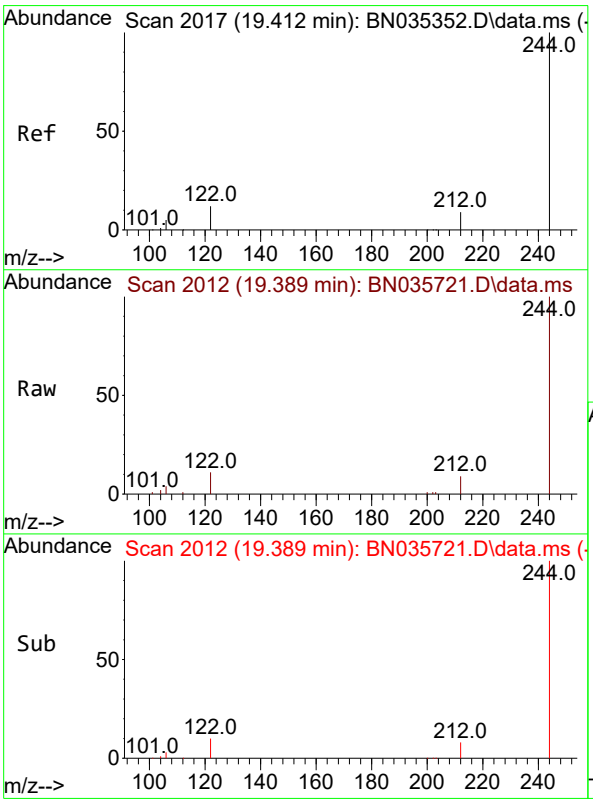
#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.956 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035721.D
Acq: 20 Dec 2024 01:22

Instrument :
BNA_N
ClientSampleId :
DUP-01-20241209

Tgt Ion:240 Resp: 9572

Ion	Ratio	Lower	Upper
240	100		
120	10.3	7.9	11.9
236	28.8	22.9	34.3

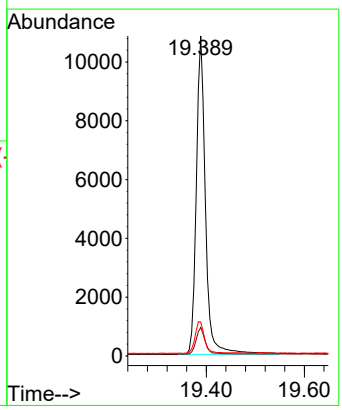


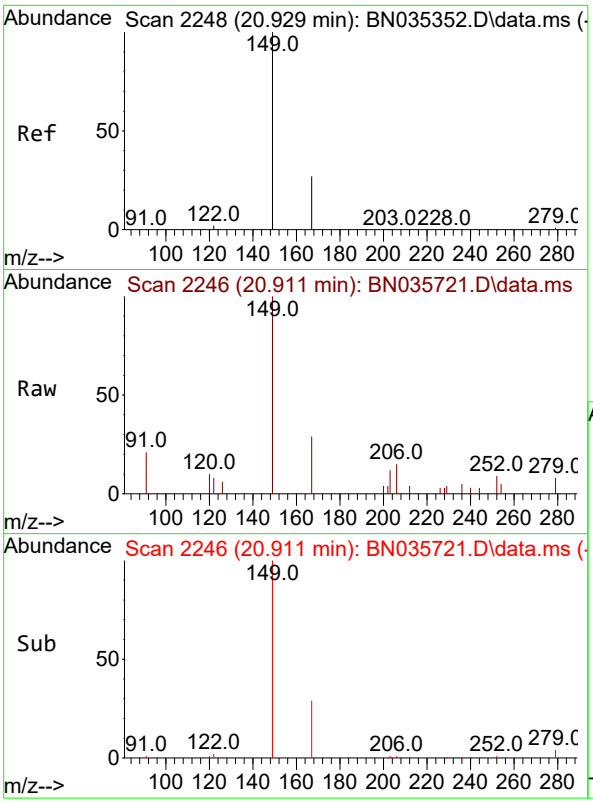


#31
Terphenyl-d14
Concen: 0.743 ng
RT: 19.389 min Scan# 2012
Delta R.T. -0.000 min
Lab File: BN035721.D
Acq: 20 Dec 2024 01:22

Tgt Ion:244 Resp: 14039

Ion	Ratio	Lower	Upper
244	100		
212	8.9	8.1	12.1
122	10.6	10.3	15.5



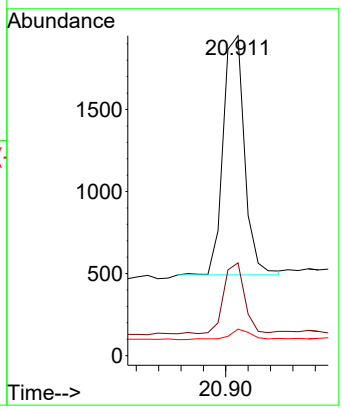


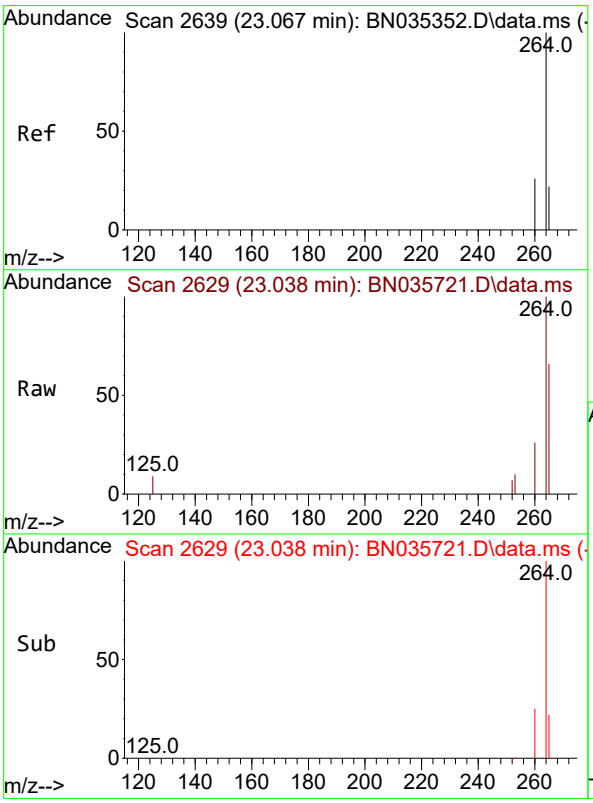
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.146 ng
RT: 20.911 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035721.D
Acq: 20 Dec 2024 01:22

Instrument :
BNA_N
ClientSampleId :
DUP-01-20241209

Tgt Ion:149 Resp: 1934

Ion	Ratio	Lower	Upper
149	100		
167	29.1	22.2	33.4
279	5.0	2.7	4.1#

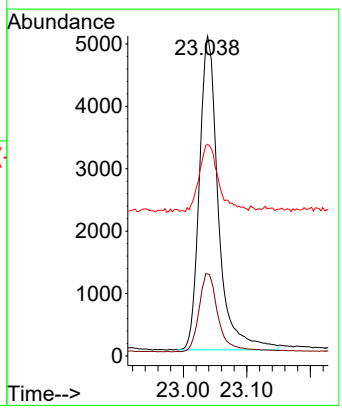




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.038 min Scan# 2629
Delta R.T. -0.003 min
Lab File: BN035721.D
Acq: 20 Dec 2024 01:22

Tgt Ion:264 Resp: 10429

Ion	Ratio	Lower	Upper
264	100		
260	25.6	21.4	32.2
265	66.1	40.2	60.4#



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035722.D
Acq On : 20 Dec 2024 01:58
Operator : RC/JU
Sample : P5261-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE134D3-20241210

Quant Time: Dec 20 02:56:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

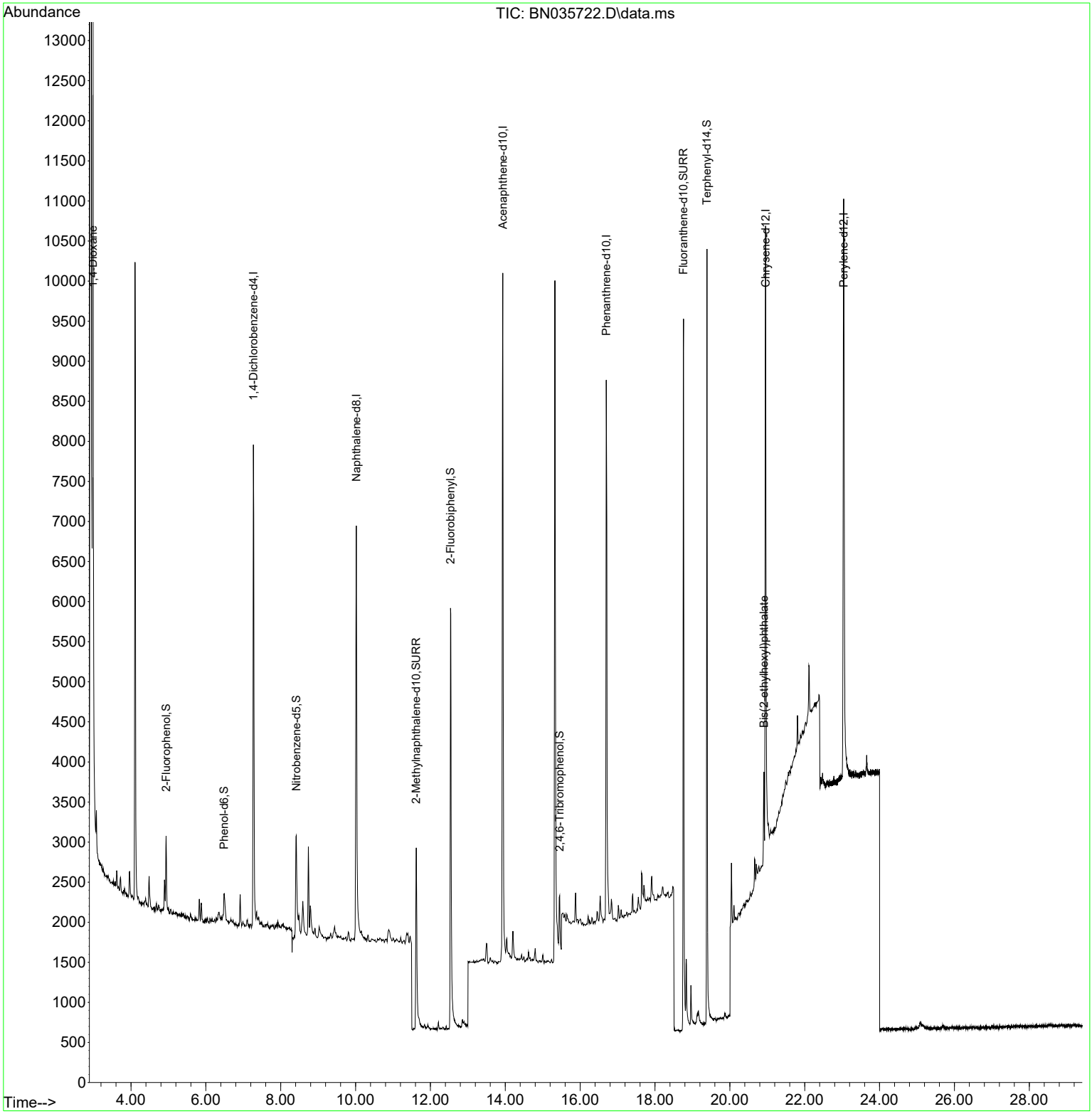
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.272	152	3093	0.400	ng	0.00
7) Naphthalene-d8	10.020	136	8301	0.400	ng	# 0.00
13) Acenaphthene-d10	13.935	164	5668	0.400	ng	0.00
19) Phenanthrene-d10	16.698	188	10939	0.400	ng	# 0.00
29) Chrysene-d12	20.956	240	9533	0.400	ng	0.00
35) Perylene-d12	23.041	264	10502	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.939	112	831	0.107	ng	0.00
5) Phenol-d6	6.492	99	451	0.048	ng	0.00
8) Nitrobenzene-d5	8.418	82	2165	0.427	ng	0.01
11) 2-Methylnaphthalene-d10	11.621	152	4235	0.326	ng	0.00
14) 2,4,6-Tribromophenol	15.453	330	752	0.187	ng	0.00
15) 2-Fluorobiphenyl	12.539	172	6159	0.287	ng	0.00
27) Fluoranthene-d10	18.761	212	11492	0.371	ng	0.00
31) Terphenyl-d14	19.389	244	10221	0.544	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.982	88	16883	5.710	ng	99
34) Bis(2-ethylhexyl)phtha...	20.911	149	1118	0.085	ng	# 99

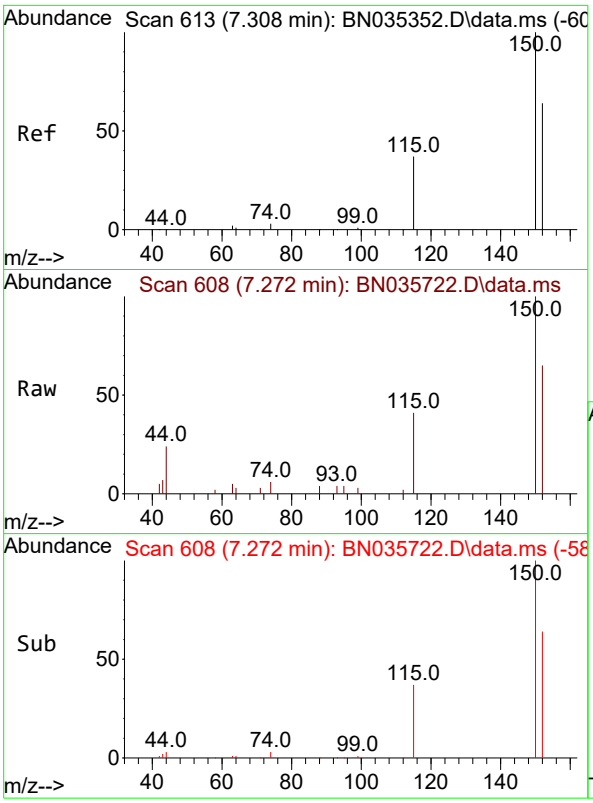
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035722.D
Acq On : 20 Dec 2024 01:58
Operator : RC/JU
Sample : P5261-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE134D3-20241210

Quant Time: Dec 20 02:56:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration



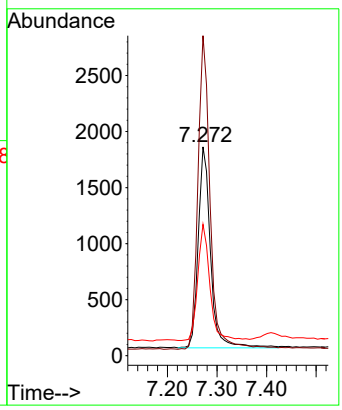


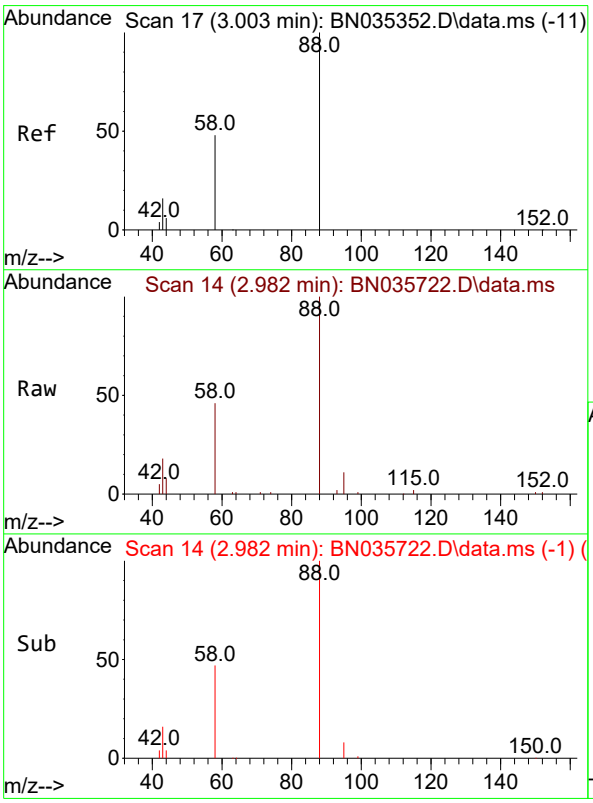
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.272 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN035722.D
Acq: 20 Dec 2024 01:58

Instrument :
BNA_N
ClientSampleId :
RE134D3-20241210

Tgt Ion:152 Resp: 3093

Ion	Ratio	Lower	Upper
152	100		
150	153.3	124.0	186.0
115	62.9	49.6	74.4

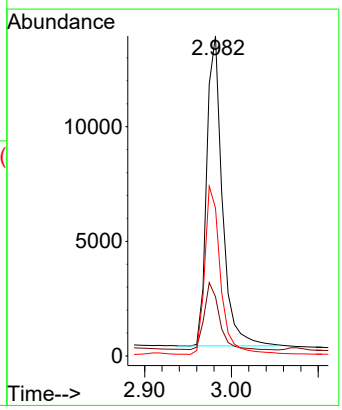


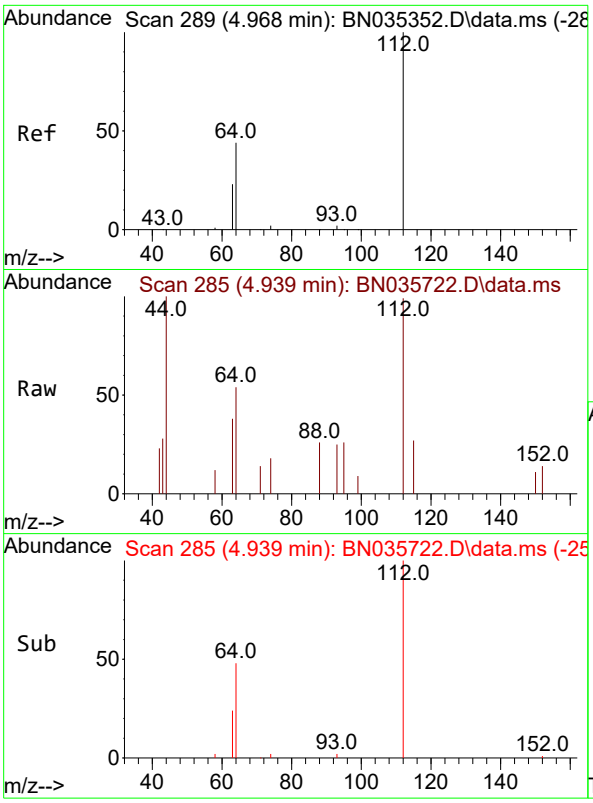


#2
1,4-Dioxane
Concen: 5.710 ng
RT: 2.982 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035722.D
Acq: 20 Dec 2024 01:58

Tgt Ion: 88 Resp: 16883

Ion	Ratio	Lower	Upper
88	100		
43	21.1	17.2	25.8
58	54.9	44.5	66.7



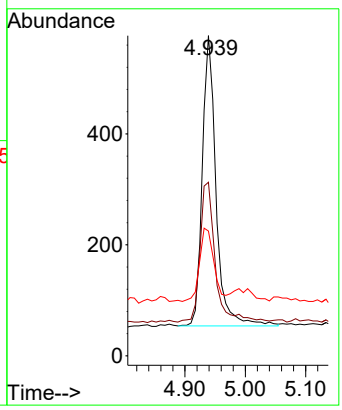


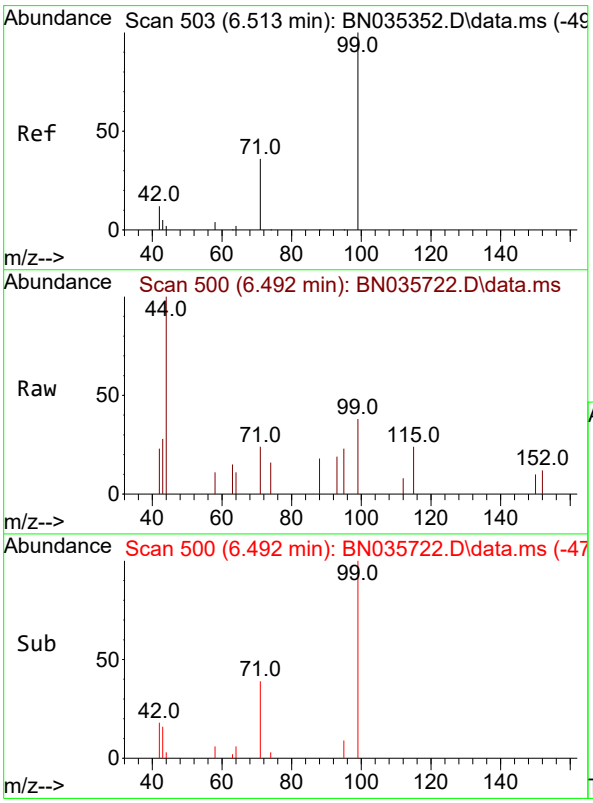
#4
2-Fluorophenol
Concen: 0.107 ng
RT: 4.939 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035722.D
Acq: 20 Dec 2024 01:58

Instrument :
BNA_N
ClientSampleId :
RE134D3-20241210

Tgt Ion:112 Resp: 831

Ion	Ratio	Lower	Upper
112	100		
64	52.9	39.8	59.8
63	27.3	21.0	31.6

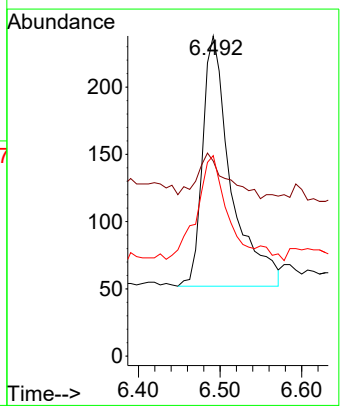


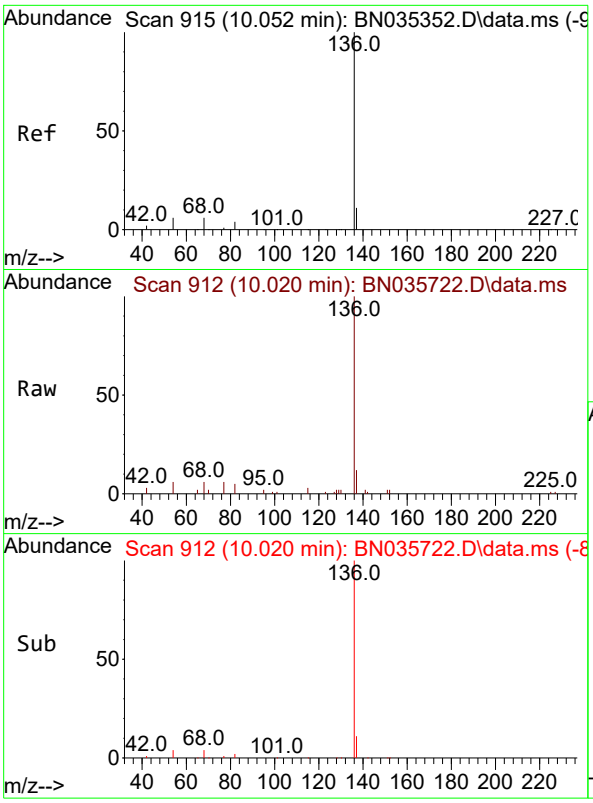


#5
Phenol-d6
Concen: 0.048 ng
RT: 6.492 min Scan# 500
Delta R.T. -0.000 min
Lab File: BN035722.D
Acq: 20 Dec 2024 01:58

Tgt Ion: 99 Resp: 451

Ion	Ratio	Lower	Upper
99	100		
42	16.0	11.4	17.2
71	47.7	29.3	43.9#



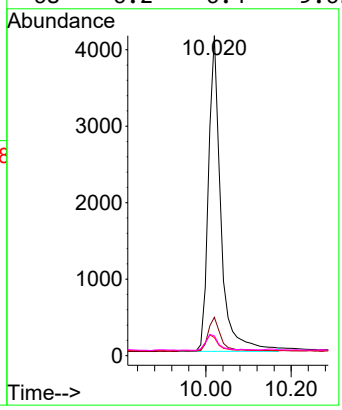


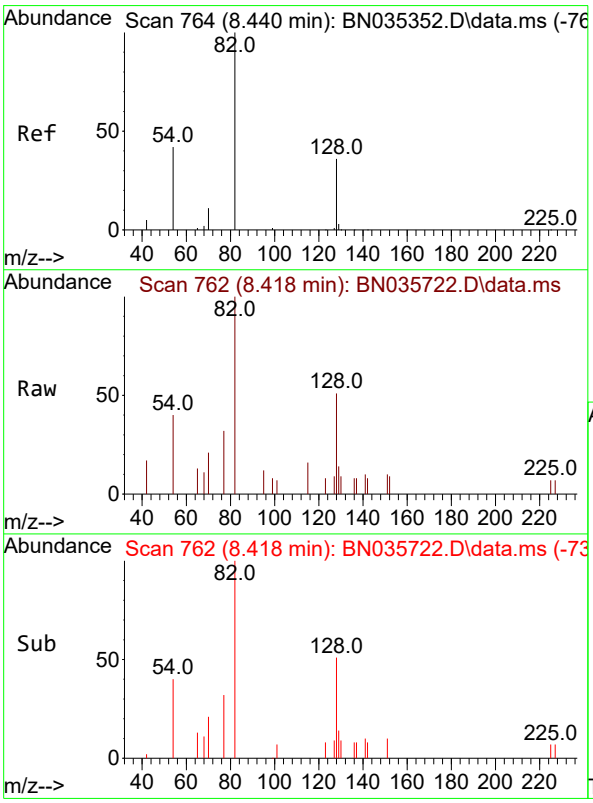
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.020 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN035722.D
Acq: 20 Dec 2024 01:58

Instrument :
BNA_N
ClientSampleId :
RE134D3-20241210

Tgt Ion:136 Resp: 8301

Ion	Ratio	Lower	Upper
136	100		
137	12.0	10.2	15.2
54	5.6	6.1	9.1#
68	6.2	6.4	9.6#

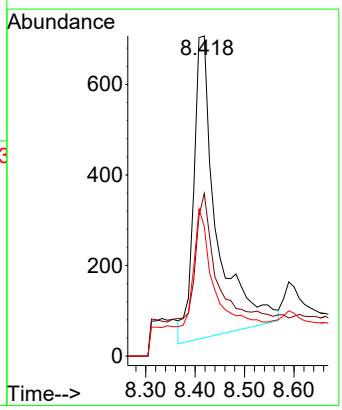


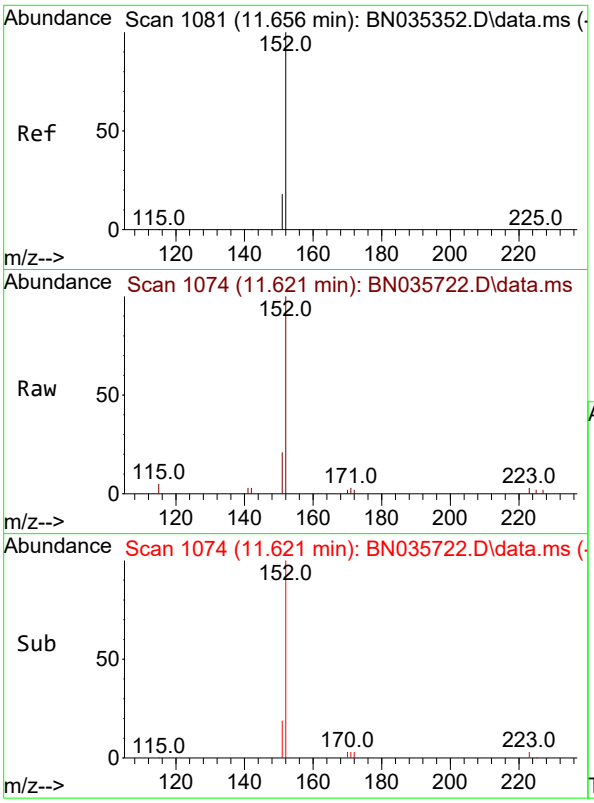


#8
Nitrobenzene-d5
Concen: 0.427 ng
RT: 8.418 min Scan# 762
Delta R.T. 0.011 min
Lab File: BN035722.D
Acq: 20 Dec 2024 01:58

Tgt Ion: 82 Resp: 2165

Ion	Ratio	Lower	Upper
82	100		
128	50.8	33.4	50.0#
54	40.5	36.7	55.1



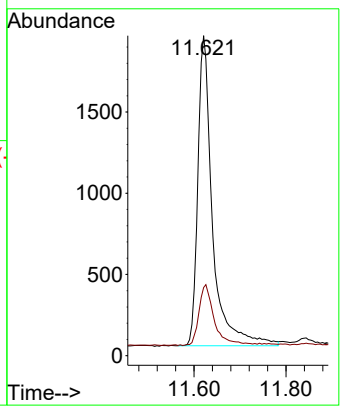


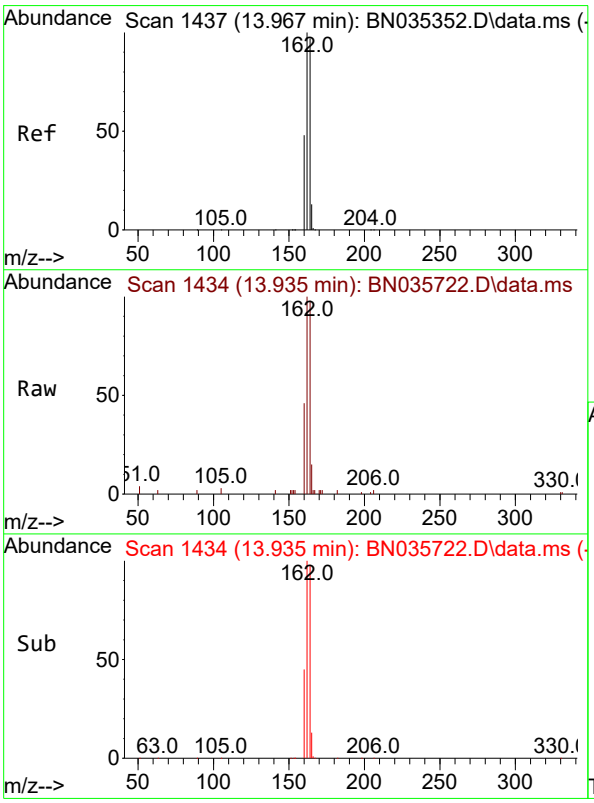
#11
2-Methylnaphthalene-d10
Concen: 0.326 ng
RT: 11.621 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035722.D
Acq: 20 Dec 2024 01:58

Instrument :
BNA_N
ClientSampleId :
RE134D3-20241210

Tgt Ion:152 Resp: 4235

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.6	25.0

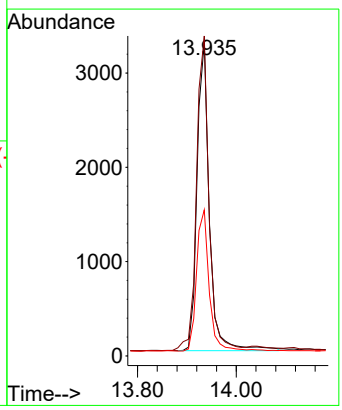


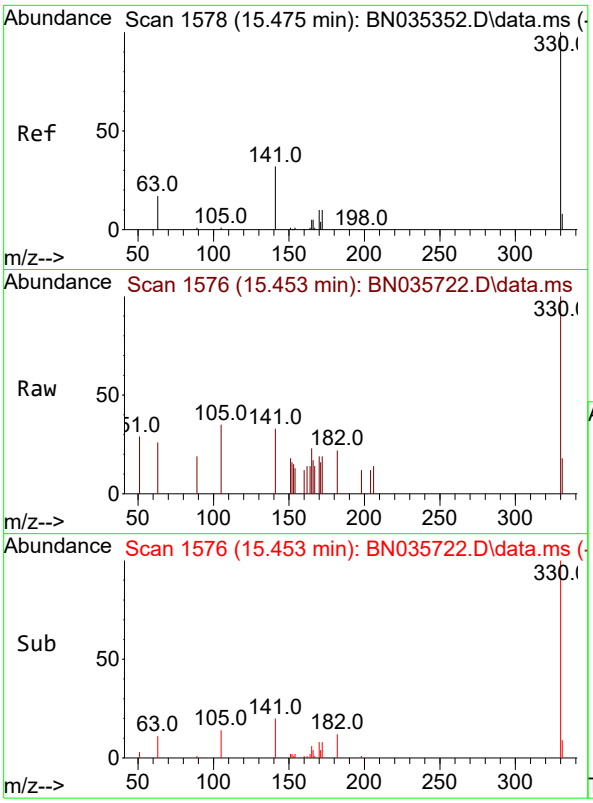


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.935 min Scan# 1434
Delta R.T. -0.000 min
Lab File: BN035722.D
Acq: 20 Dec 2024 01:58

Tgt Ion:164 Resp: 5668

Ion	Ratio	Lower	Upper
164	100		
162	101.9	82.2	123.2
160	46.5	40.1	60.1



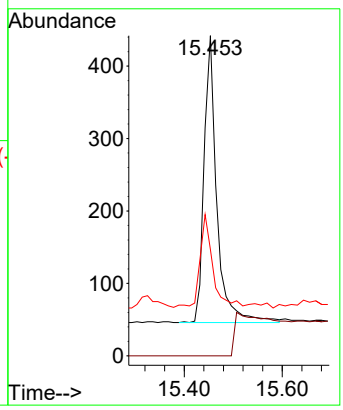


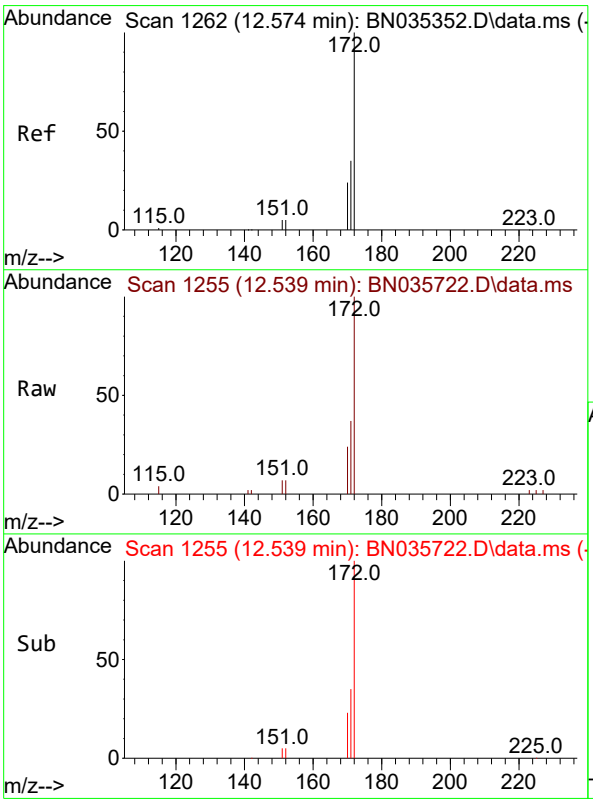
#14
2,4,6-Tribromophenol
Concen: 0.187 ng
RT: 15.453 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035722.D
Acq: 20 Dec 2024 01:58

Instrument :
BNA_N
ClientSampleId :
RE134D3-20241210

Tgt Ion:330 Resp: 752

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	32.6	26.6	40.0

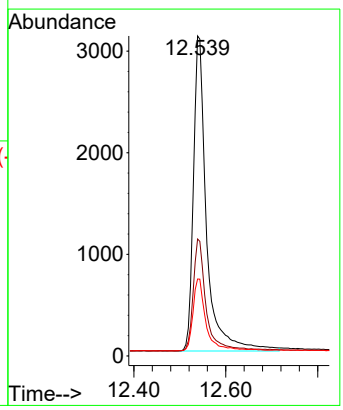


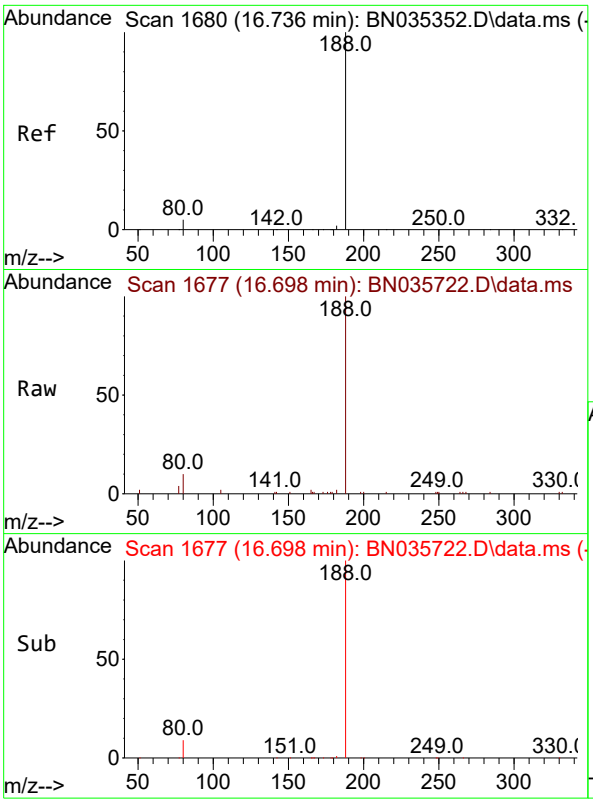


#15
2-Fluorobiphenyl
Concen: 0.287 ng
RT: 12.539 min Scan# 1255
Delta R.T. -0.005 min
Lab File: BN035722.D
Acq: 20 Dec 2024 01:58

Tgt Ion:172 Resp: 6159

Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.0	43.4
170	24.0	19.8	29.8



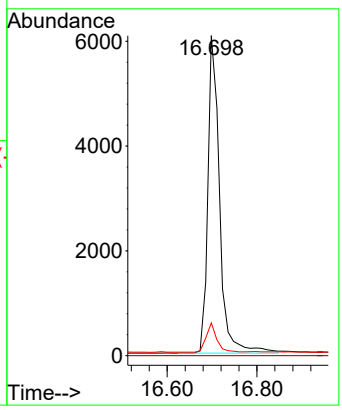


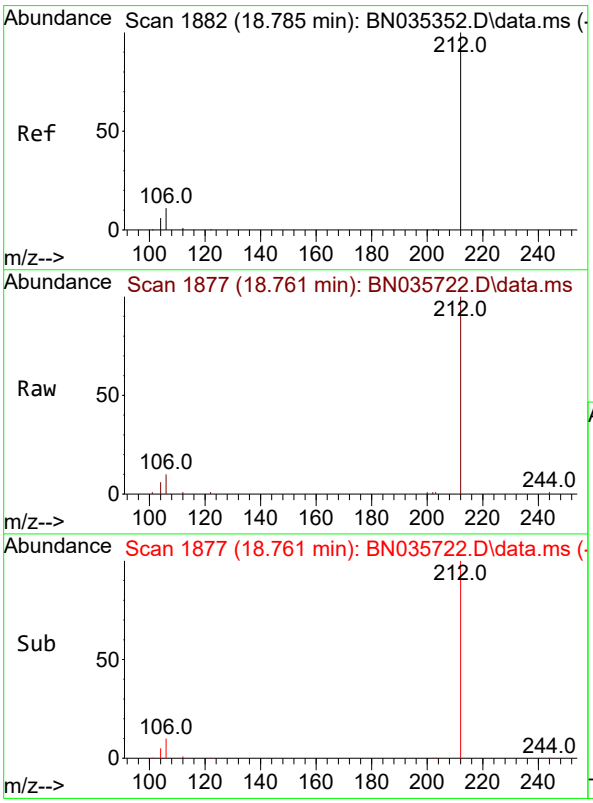
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.698 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035722.D
Acq: 20 Dec 2024 01:58

Instrument :
BNA_N
ClientSampleId :
RE134D3-20241210

Tgt Ion:188 Resp: 10939

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.3	4.6	6.8#

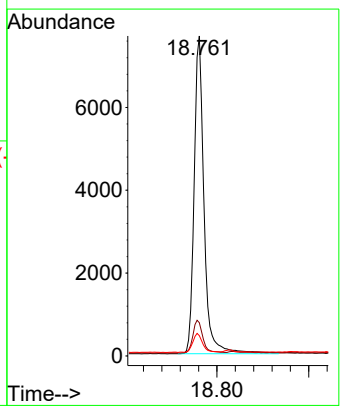


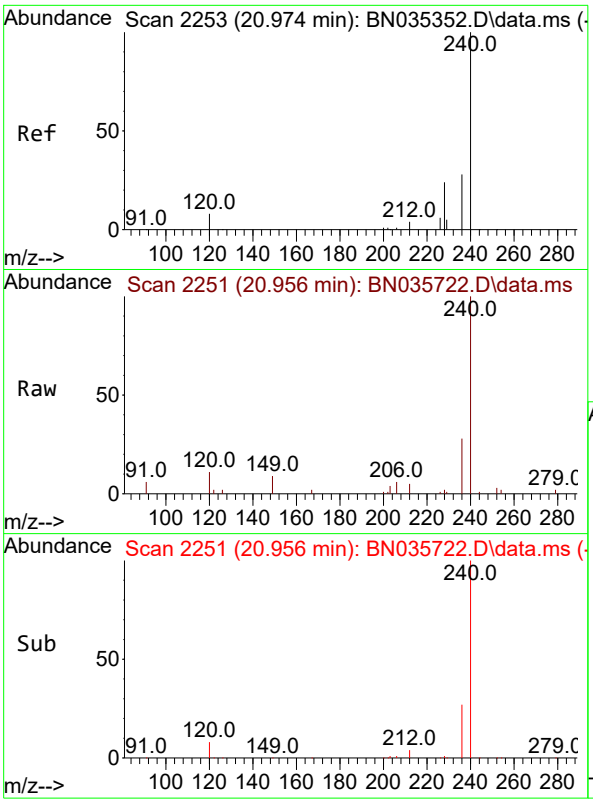


#27
Fluoranthene-d10
Concen: 0.371 ng
RT: 18.761 min Scan# 1877
Delta R.T. -0.000 min
Lab File: BN035722.D
Acq: 20 Dec 2024 01:58

Tgt Ion:212 Resp: 11492

Ion	Ratio	Lower	Upper
212	100		
106	10.4	9.2	13.8
104	5.9	5.3	7.9



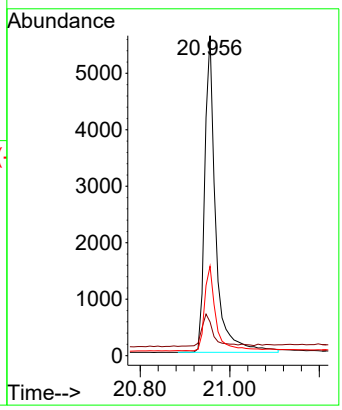


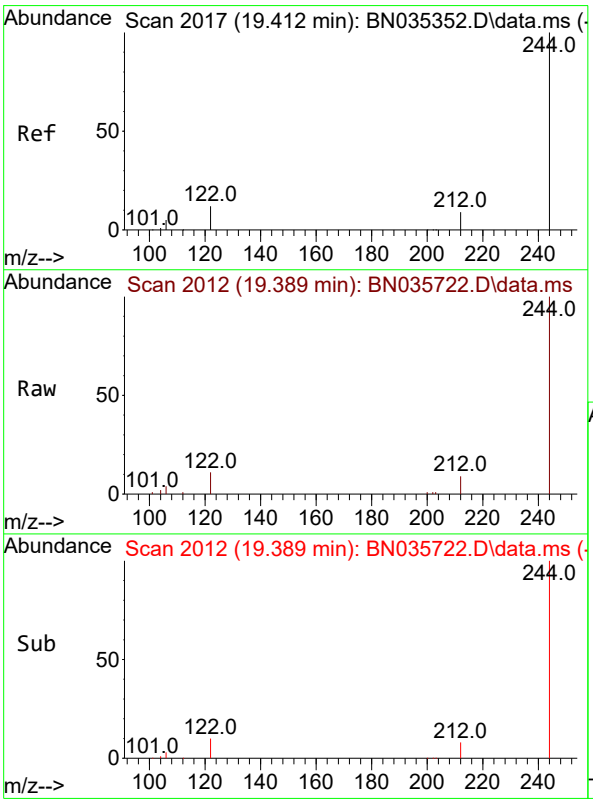
#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.956 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035722.D
Acq: 20 Dec 2024 01:58

Instrument :
BNA_N
ClientSampleId :
RE134D3-20241210

Tgt Ion:240 Resp: 9533

Ion	Ratio	Lower	Upper
240	100		
120	10.6	7.9	11.9
236	27.9	22.9	34.3

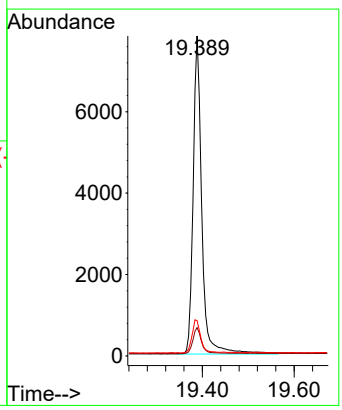


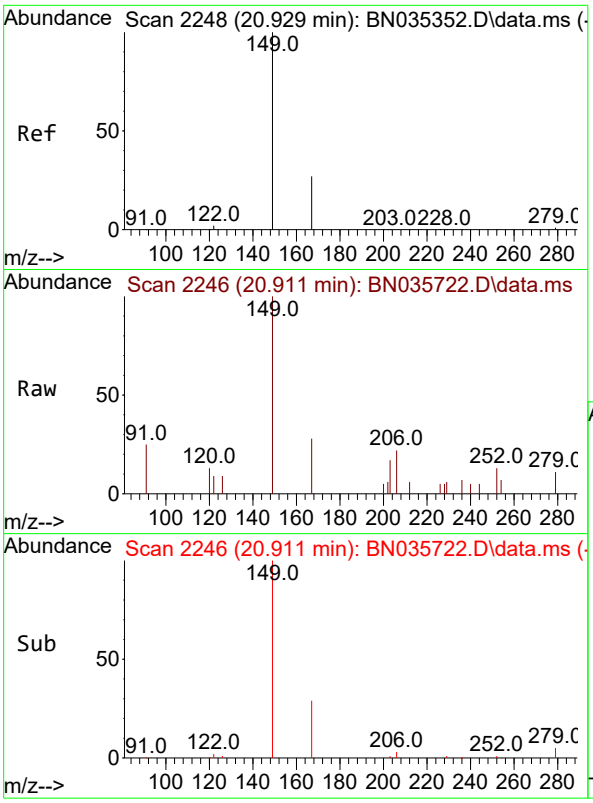


#31
Terphenyl-d14
Concen: 0.544 ng
RT: 19.389 min Scan# 2012
Delta R.T. -0.000 min
Lab File: BN035722.D
Acq: 20 Dec 2024 01:58

Tgt Ion:244 Resp: 10221

Ion	Ratio	Lower	Upper
244	100		
212	8.8	8.1	12.1
122	11.1	10.3	15.5



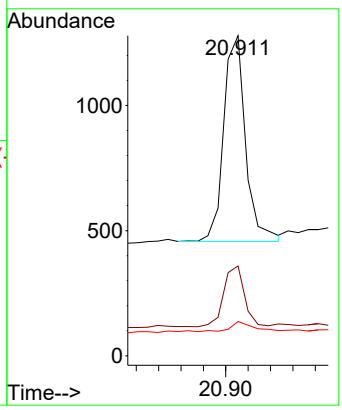


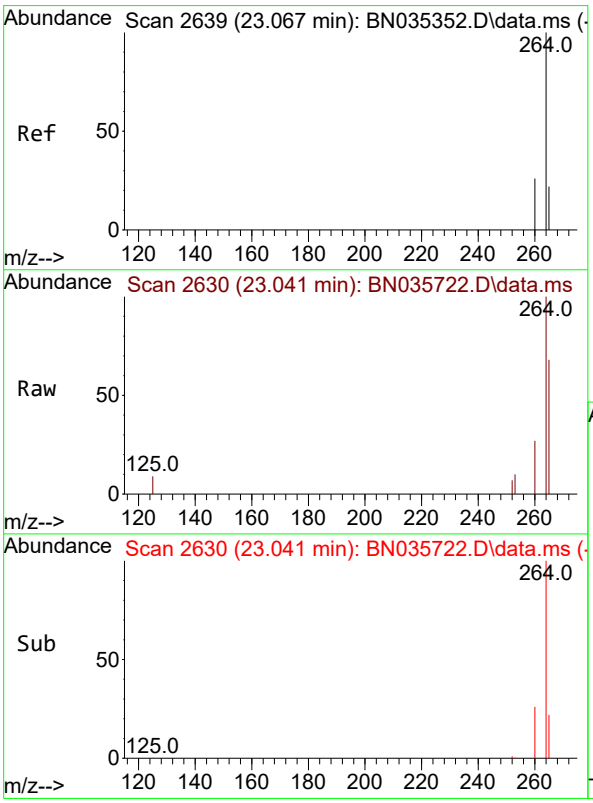
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.085 ng
RT: 20.911 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035722.D
Acq: 20 Dec 2024 01:58

Instrument :
BNA_N
ClientSampleId :
RE134D3-20241210

Tgt Ion:149 Resp: 1118

Ion	Ratio	Lower	Upper
149	100		
167	27.5	22.2	33.4
279	6.1	2.7	4.1#

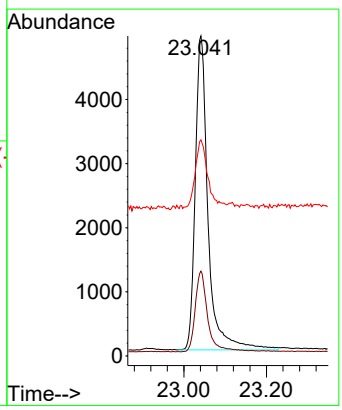




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.041 min Scan# 2630
Delta R.T. -0.000 min
Lab File: BN035722.D
Acq: 20 Dec 2024 01:58

Tgt Ion:264 Resp: 10502

Ion	Ratio	Lower	Upper
264	100		
260	26.5	21.4	32.2
265	67.6	40.2	60.4#



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035723.D
Acq On : 20 Dec 2024 02:34
Operator : RC/JU
Sample : P5261-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE134D4-20241210

Quant Time: Dec 20 02:56:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

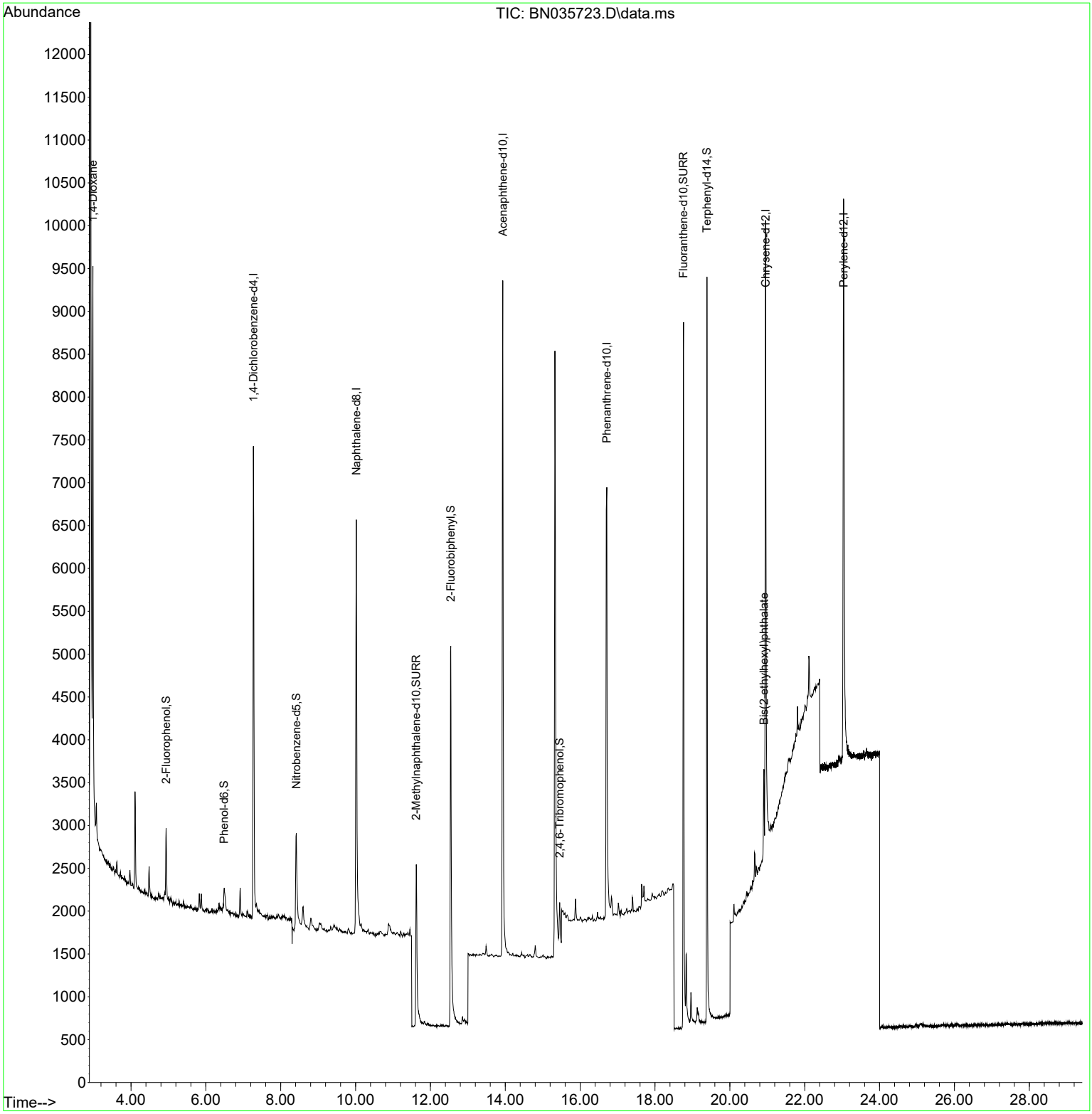
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.272	152	2978	0.400	ng	0.00
7) Naphthalene-d8	10.020	136	8067	0.400	ng	# 0.00
13) Acenaphthene-d10	13.935	164	5314	0.400	ng	0.00
19) Phenanthrene-d10	16.711	188	9782	0.400	ng	# 0.01
29) Chrysene-d12	20.956	240	8919	0.400	ng	0.00
35) Perylene-d12	23.041	264	9842	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.939	112	746	0.100	ng	0.00
5) Phenol-d6	6.492	99	405	0.045	ng	0.00
8) Nitrobenzene-d5	8.418	82	1890	0.384	ng	0.01
11) 2-Methylnaphthalene-d10	11.621	152	3879	0.307	ng	0.00
14) 2,4,6-Tribromophenol	15.453	330	592	0.157	ng	0.00
15) 2-Fluorobiphenyl	12.544	172	5631	0.280	ng	0.00
27) Fluoranthene-d10	18.761	212	11032	0.398	ng	0.00
31) Terphenyl-d14	19.389	244	9774	0.556	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.982	88	4118	1.446	ng	98
34) Bis(2-ethylhexyl)phtha...	20.911	149	1160	0.094	ng	# 98

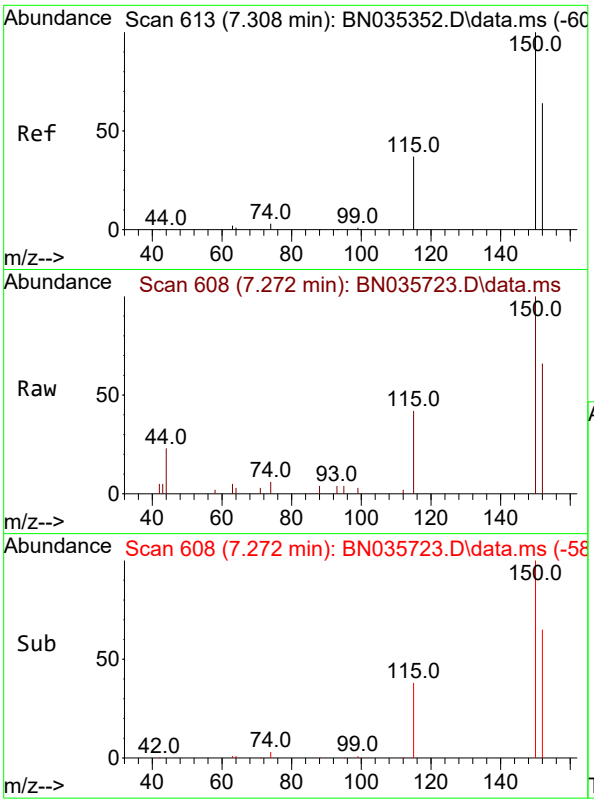
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035723.D
Acq On : 20 Dec 2024 02:34
Operator : RC/JU
Sample : P5261-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE134D4-20241210

Quant Time: Dec 20 02:56:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration



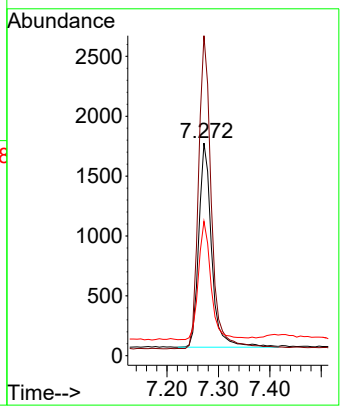


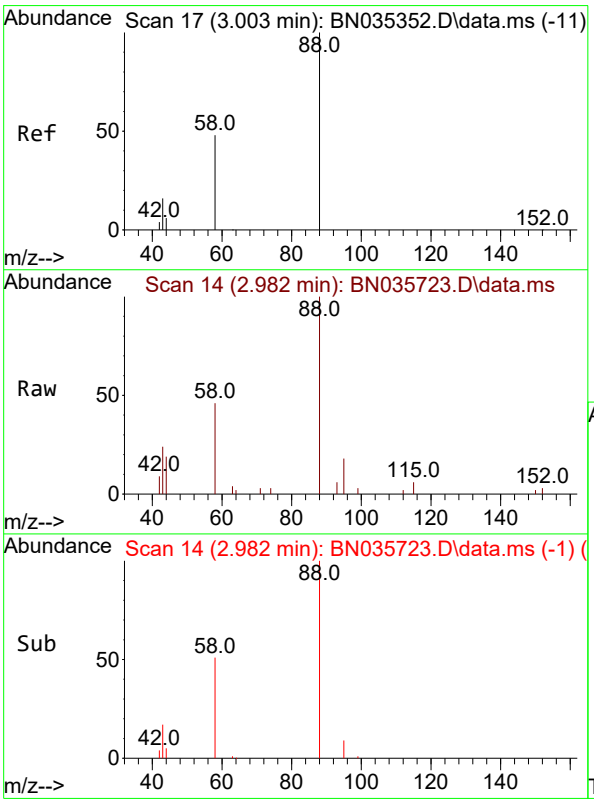
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.272 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN035723.D
Acq: 20 Dec 2024 02:34

Instrument :
BNA_N
ClientSampleId :
RE134D4-20241210

Tgt Ion:152 Resp: 2978

Ion	Ratio	Lower	Upper
152	100		
150	150.5	124.0	186.0
115	63.2	49.6	74.4

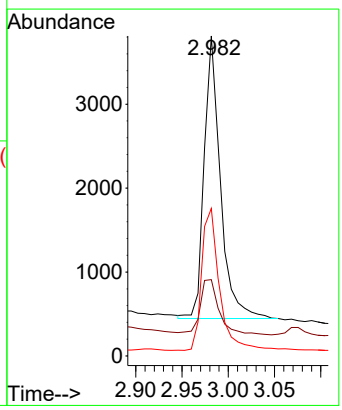


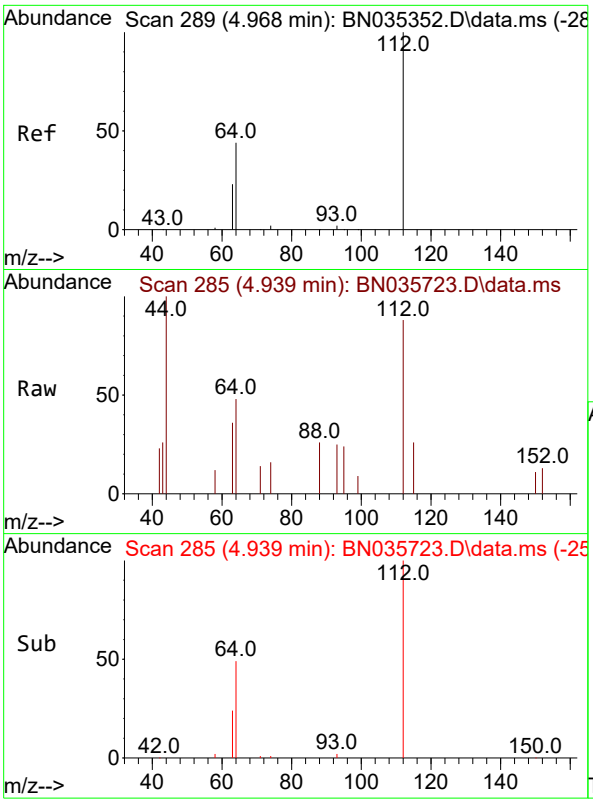


#2
1,4-Dioxane
Concen: 1.446 ng
RT: 2.982 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035723.D
Acq: 20 Dec 2024 02:34

Tgt Ion: 88 Resp: 4118

Ion	Ratio	Lower	Upper
88	100		
43	23.0	17.2	25.8
58	54.6	44.5	66.7



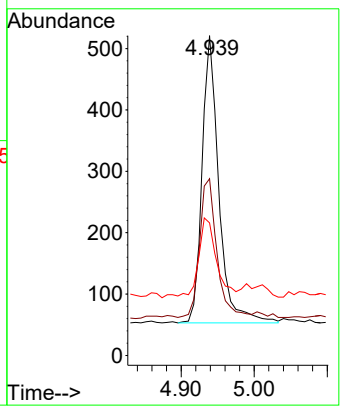


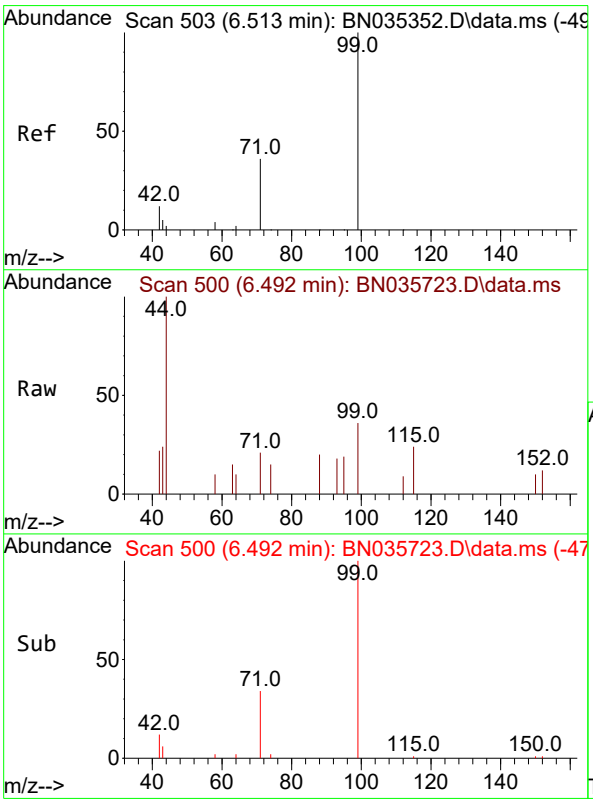
#4
2-Fluorophenol
Concen: 0.100 ng
RT: 4.939 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035723.D
Acq: 20 Dec 2024 02:34

Instrument :
BNA_N
ClientSampleId :
RE134D4-20241210

Tgt Ion:112 Resp: 746

Ion	Ratio	Lower	Upper
112	100		
64	49.6	39.8	59.8
63	27.5	21.0	31.6

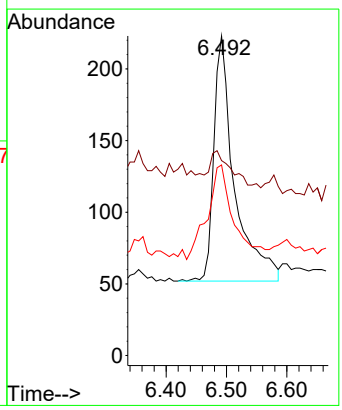


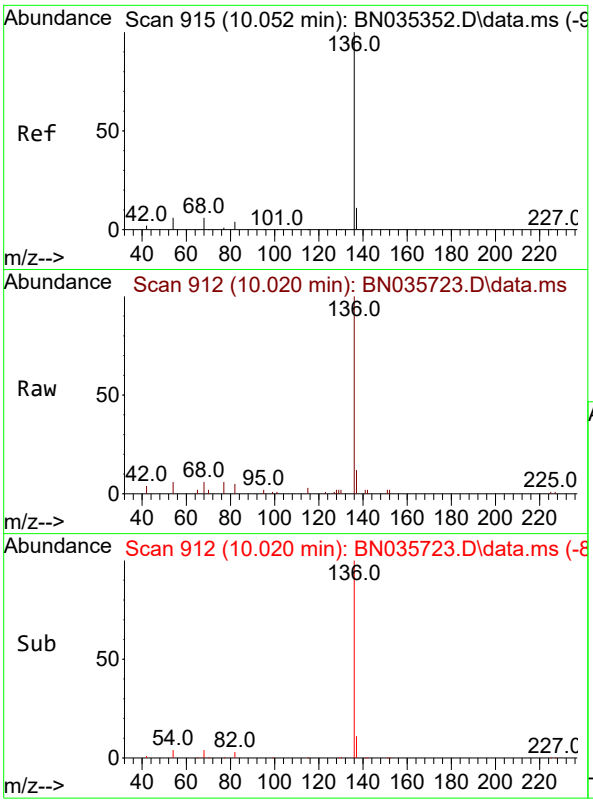


#5
Phenol-d6
Concen: 0.045 ng
RT: 6.492 min Scan# 500
Delta R.T. -0.000 min
Lab File: BN035723.D
Acq: 20 Dec 2024 02:34

Tgt Ion: 99 Resp: 405

Ion	Ratio	Lower	Upper
99	100		
42	15.6	11.4	17.2
71	45.7	29.3	43.9#



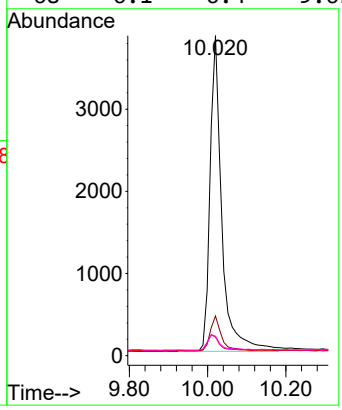


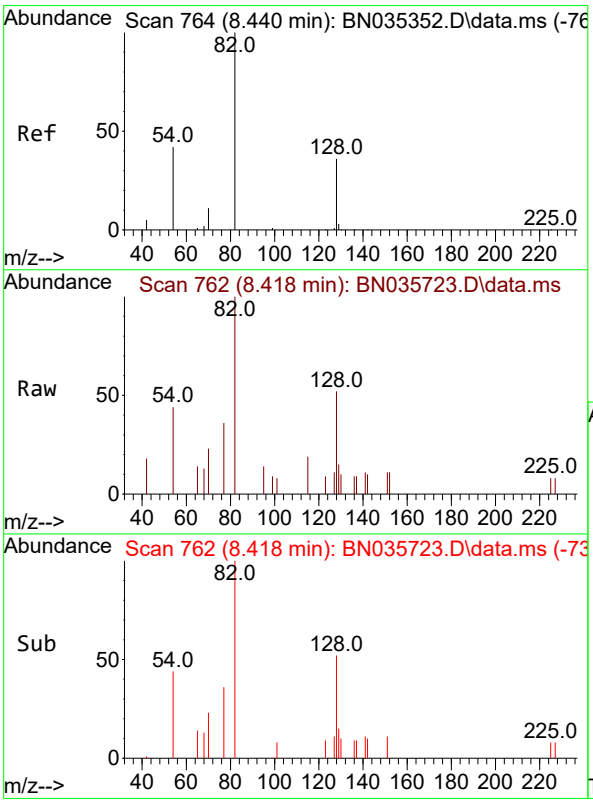
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.020 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN035723.D
Acq: 20 Dec 2024 02:34

Instrument :
BNA_N
ClientSampleId :
RE134D4-20241210

Tgt Ion:136 Resp: 8067

Ion	Ratio	Lower	Upper
136	100		
137	12.4	10.2	15.2
54	5.8	6.1	9.1#
68	6.1	6.4	9.6#

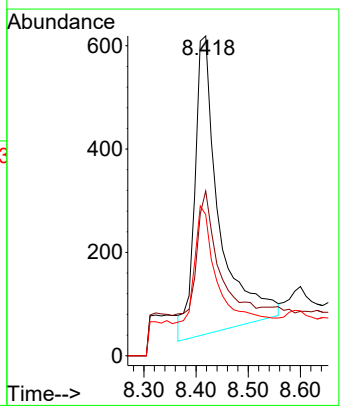


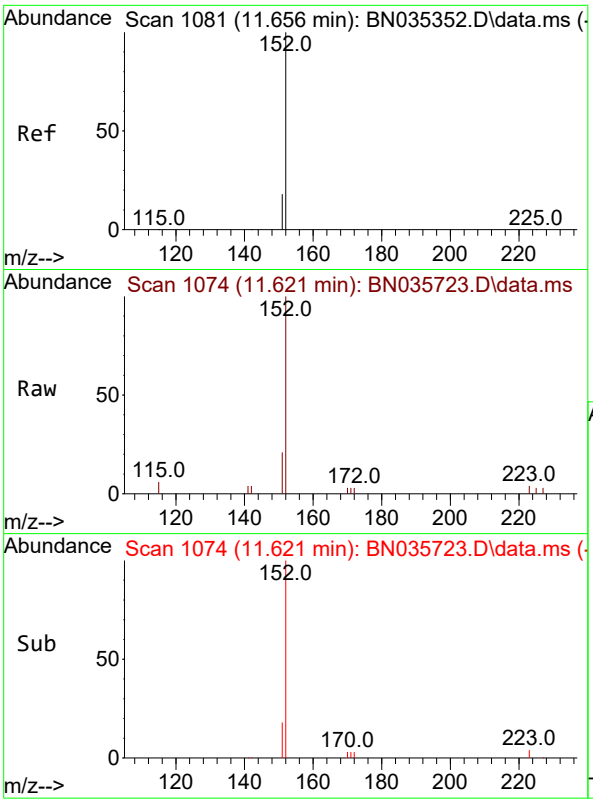


#8
Nitrobenzene-d5
Concen: 0.384 ng
RT: 8.418 min Scan# 762
Delta R.T. 0.011 min
Lab File: BN035723.D
Acq: 20 Dec 2024 02:34

Tgt Ion: 82 Resp: 1890

Ion	Ratio	Lower	Upper
82	100		
128	51.5	33.4	50.0#
54	44.1	36.7	55.1



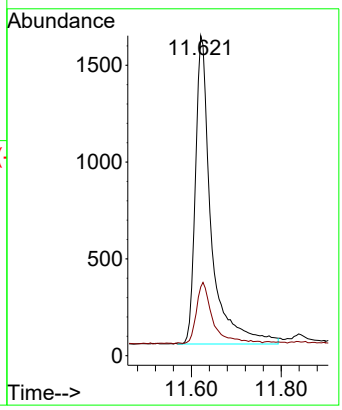


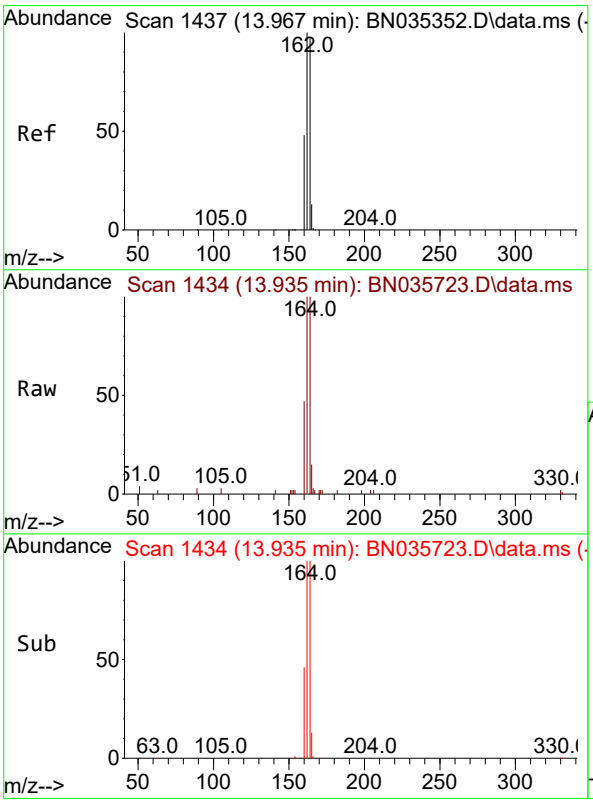
#11
2-Methylnaphthalene-d10
Concen: 0.307 ng
RT: 11.621 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035723.D
Acq: 20 Dec 2024 02:34

Instrument :
BNA_N
ClientSampleId :
RE134D4-20241210

Tgt Ion:152 Resp: 3879

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.6	25.0

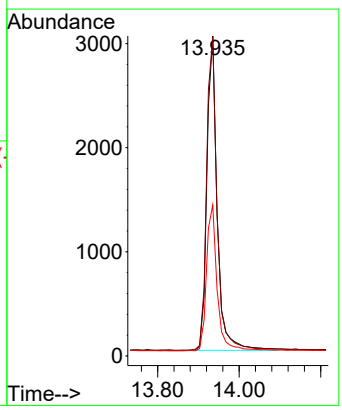


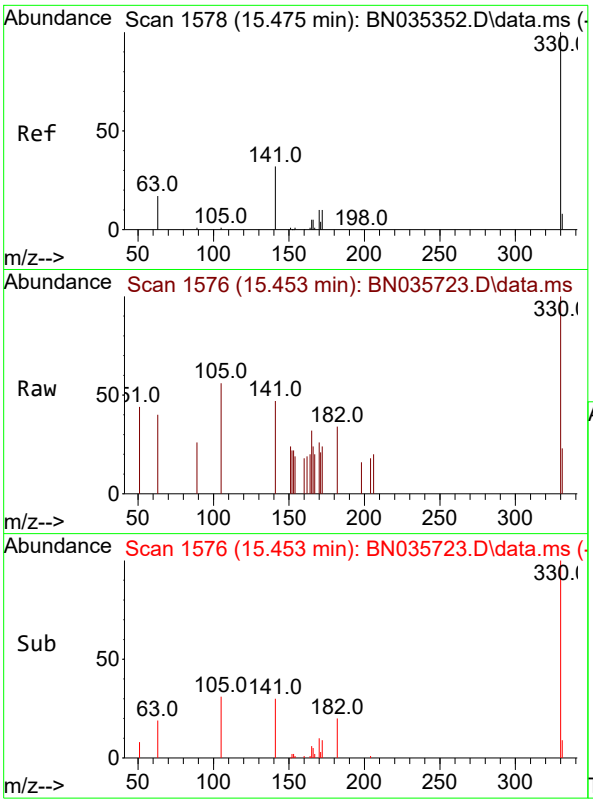


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.935 min Scan# 1434
Delta R.T. -0.000 min
Lab File: BN035723.D
Acq: 20 Dec 2024 02:34

Tgt Ion:164 Resp: 5314

Ion	Ratio	Lower	Upper
164	100		
162	99.7	82.2	123.2
160	47.2	40.1	60.1



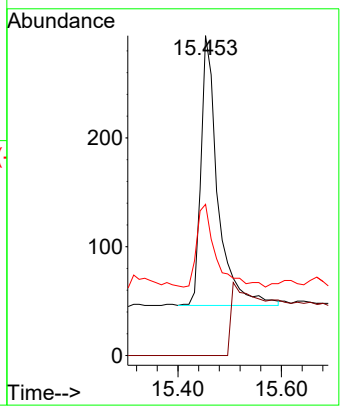


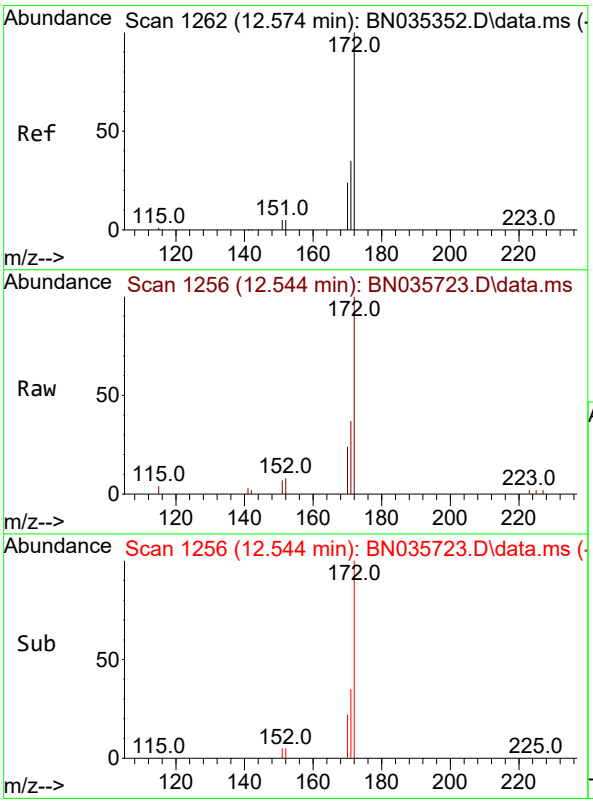
#14
2,4,6-Tribromophenol
Concen: 0.157 ng
RT: 15.453 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035723.D
Acq: 20 Dec 2024 02:34

Instrument :
BNA_N
ClientSampleId :
RE134D4-20241210

Tgt Ion:330 Resp: 592

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	33.6	26.6	40.0

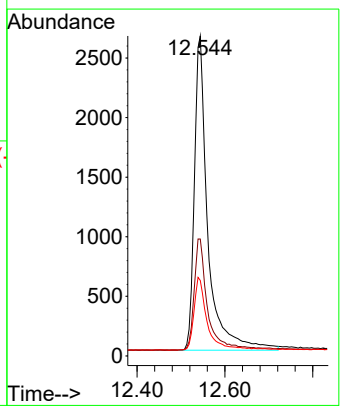


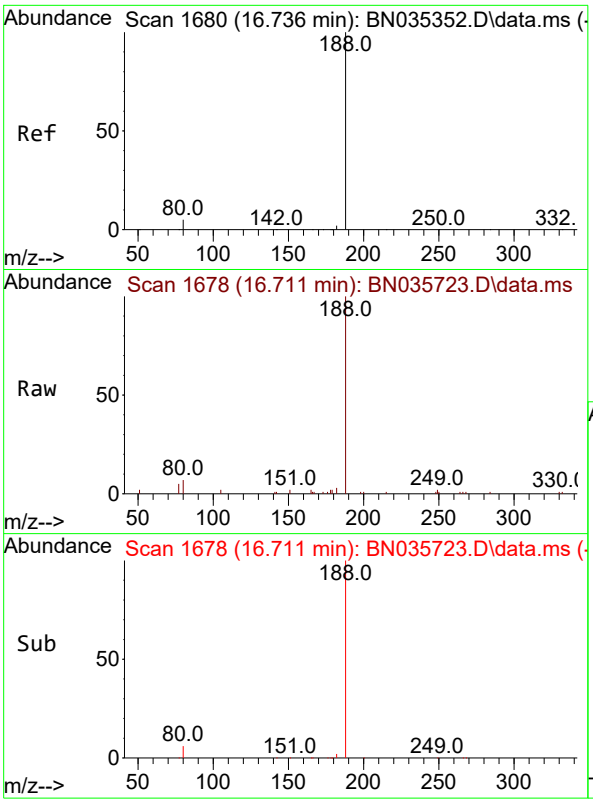


#15
2-Fluorobiphenyl
Concen: 0.280 ng
RT: 12.544 min Scan# 1256
Delta R.T. -0.000 min
Lab File: BN035723.D
Acq: 20 Dec 2024 02:34

Tgt Ion:172 Resp: 5631

Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.0	43.4
170	23.6	19.8	29.8



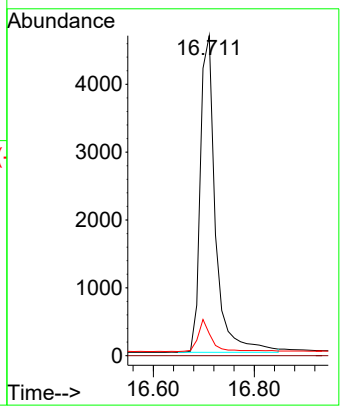


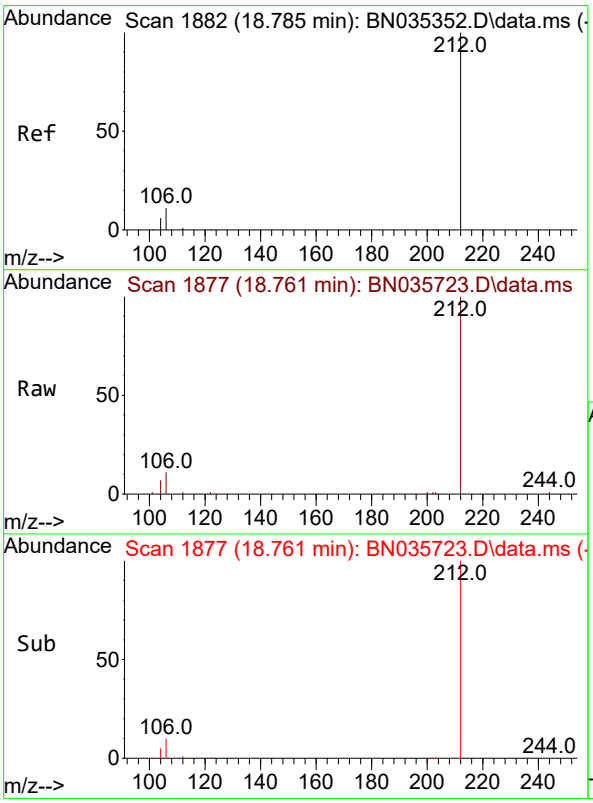
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.711 min Scan# 1(
Delta R.T. 0.012 min
Lab File: BN035723.D
Acq: 20 Dec 2024 02:34

Instrument :
BNA_N
ClientSampleId :
RE134D4-20241210

Tgt Ion:188 Resp: 9782

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.9	4.6	6.8#

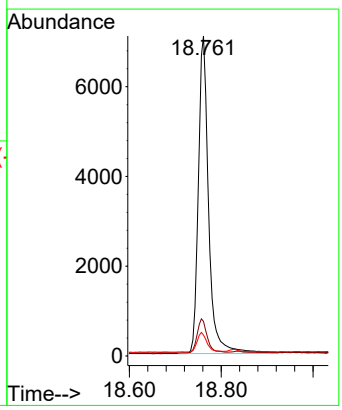


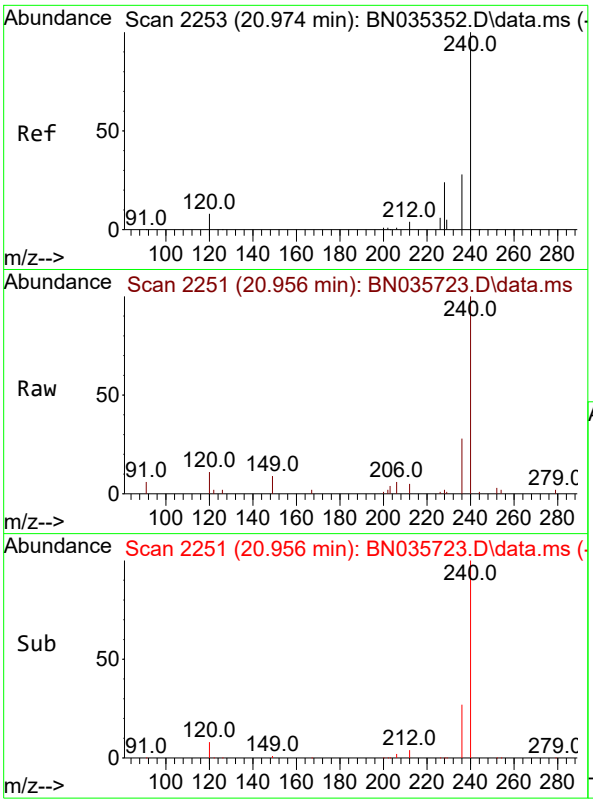


#27
Fluoranthene-d10
Concen: 0.398 ng
RT: 18.761 min Scan# 1877
Delta R.T. -0.000 min
Lab File: BN035723.D
Acq: 20 Dec 2024 02:34

Tgt Ion:212 Resp: 11032

Ion	Ratio	Lower	Upper
212	100		
106	10.5	9.2	13.8
104	5.8	5.3	7.9



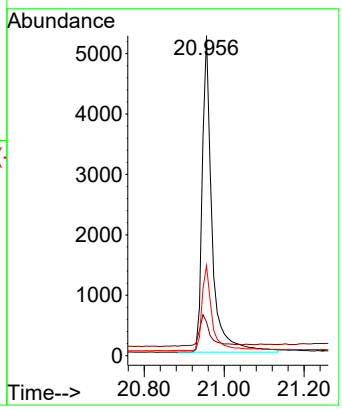


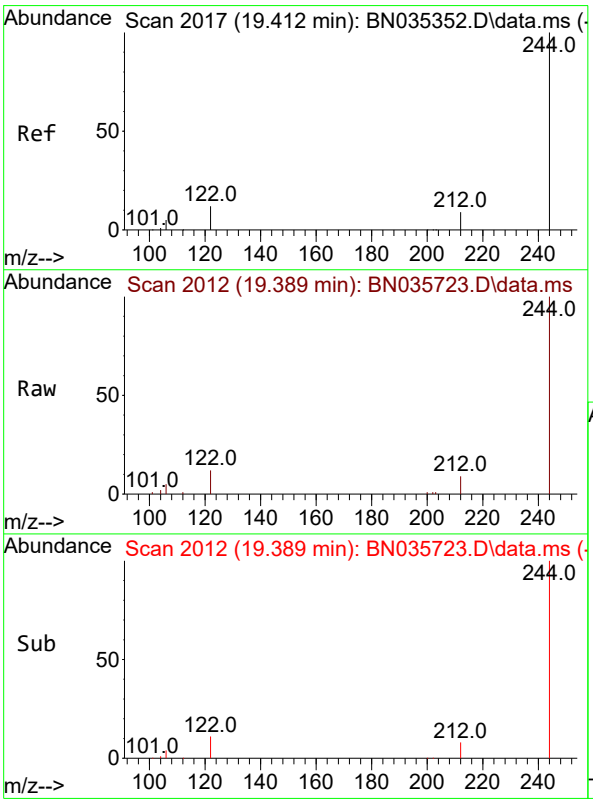
#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.956 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035723.D
Acq: 20 Dec 2024 02:34

Instrument :
BNA_N
ClientSampleId :
RE134D4-20241210

Tgt Ion:240 Resp: 8919

Ion	Ratio	Lower	Upper
240	100		
120	10.6	7.9	11.9
236	28.1	22.9	34.3

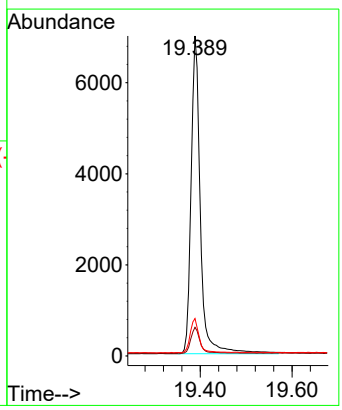


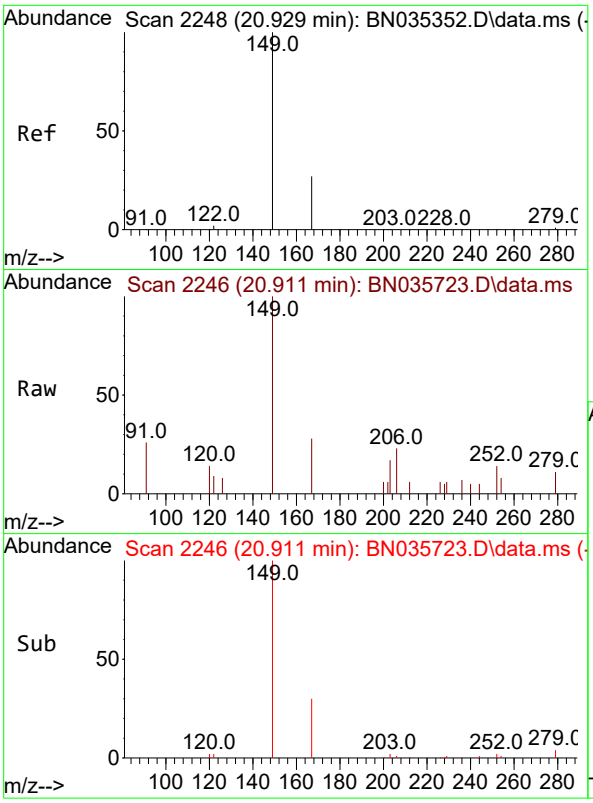


#31
Terphenyl-d14
Concen: 0.556 ng
RT: 19.389 min Scan# 2012
Delta R.T. -0.000 min
Lab File: BN035723.D
Acq: 20 Dec 2024 02:34

Tgt Ion:244 Resp: 9774

Ion	Ratio	Lower	Upper
244	100		
212	8.9	8.1	12.1
122	11.7	10.3	15.5



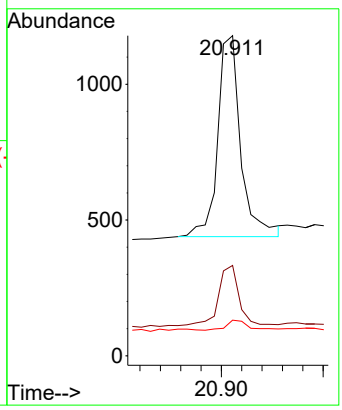


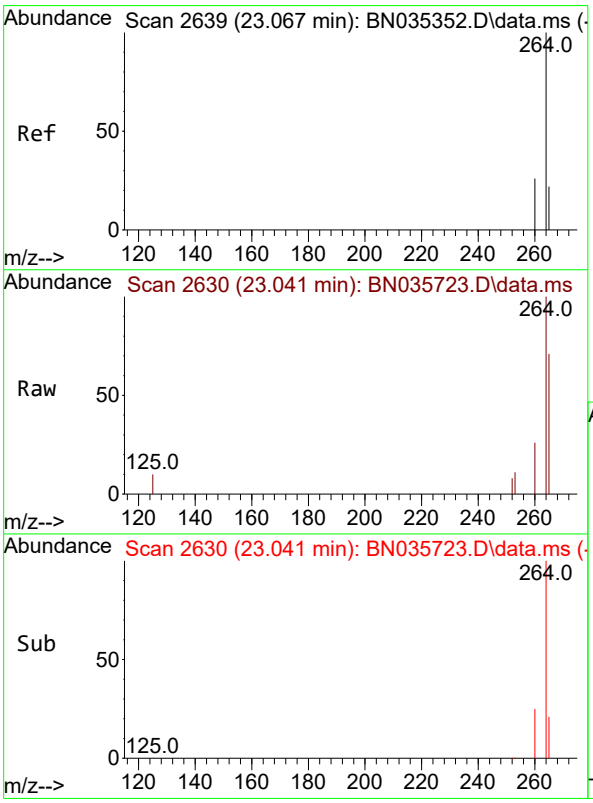
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.094 ng
RT: 20.911 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035723.D
Acq: 20 Dec 2024 02:34

Instrument :
BNA_N
ClientSampleId :
RE134D4-20241210

Tgt Ion:149 Resp: 1160

Ion	Ratio	Lower	Upper
149	100		
167	26.7	22.2	33.4
279	4.9	2.7	4.1#

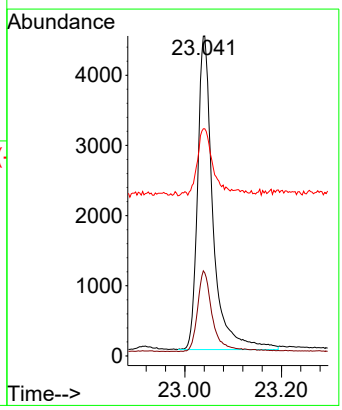




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.041 min Scan# 2630
Delta R.T. -0.000 min
Lab File: BN035723.D
Acq: 20 Dec 2024 02:34

Tgt Ion:264 Resp: 9842

Ion	Ratio	Lower	Upper
264	100		
260	26.0	21.4	32.2
265	71.0	40.2	60.4#



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035724.D
Acq On : 20 Dec 2024 03:10
Operator : RC/JU
Sample : P5261-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GM3-RW3-MW1-20241210

Quant Time: Dec 20 03:56:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.272	152	3049	0.400	ng	0.00
7) Naphthalene-d8	10.020	136	8135	0.400	ng	# 0.00
13) Acenaphthene-d10	13.935	164	5075	0.400	ng	0.00
19) Phenanthrene-d10	16.698	188	10230	0.400	ng	# 0.00
29) Chrysene-d12	20.956	240	9246	0.400	ng	0.00
35) Perylene-d12	23.041	264	9666	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.939	112	765	0.100	ng	0.00
5) Phenol-d6	6.492	99	411	0.045	ng	0.00
8) Nitrobenzene-d5	8.418	82	2093	0.421	ng	0.01
11) 2-Methylnaphthalene-d10	11.621	152	4363	0.343	ng	0.00
14) 2,4,6-Tribromophenol	15.453	330	711	0.197	ng	0.00
15) 2-Fluorobiphenyl	12.538	172	6264	0.327	ng	0.00
27) Fluoranthene-d10	18.761	212	12054	0.416	ng	0.00
31) Terphenyl-d14	19.388	244	11587	0.635	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.982	88	4289	1.471	ng	98
34) Bis(2-ethylhexyl)phtha...	20.911	149	1400	0.110	ng	96

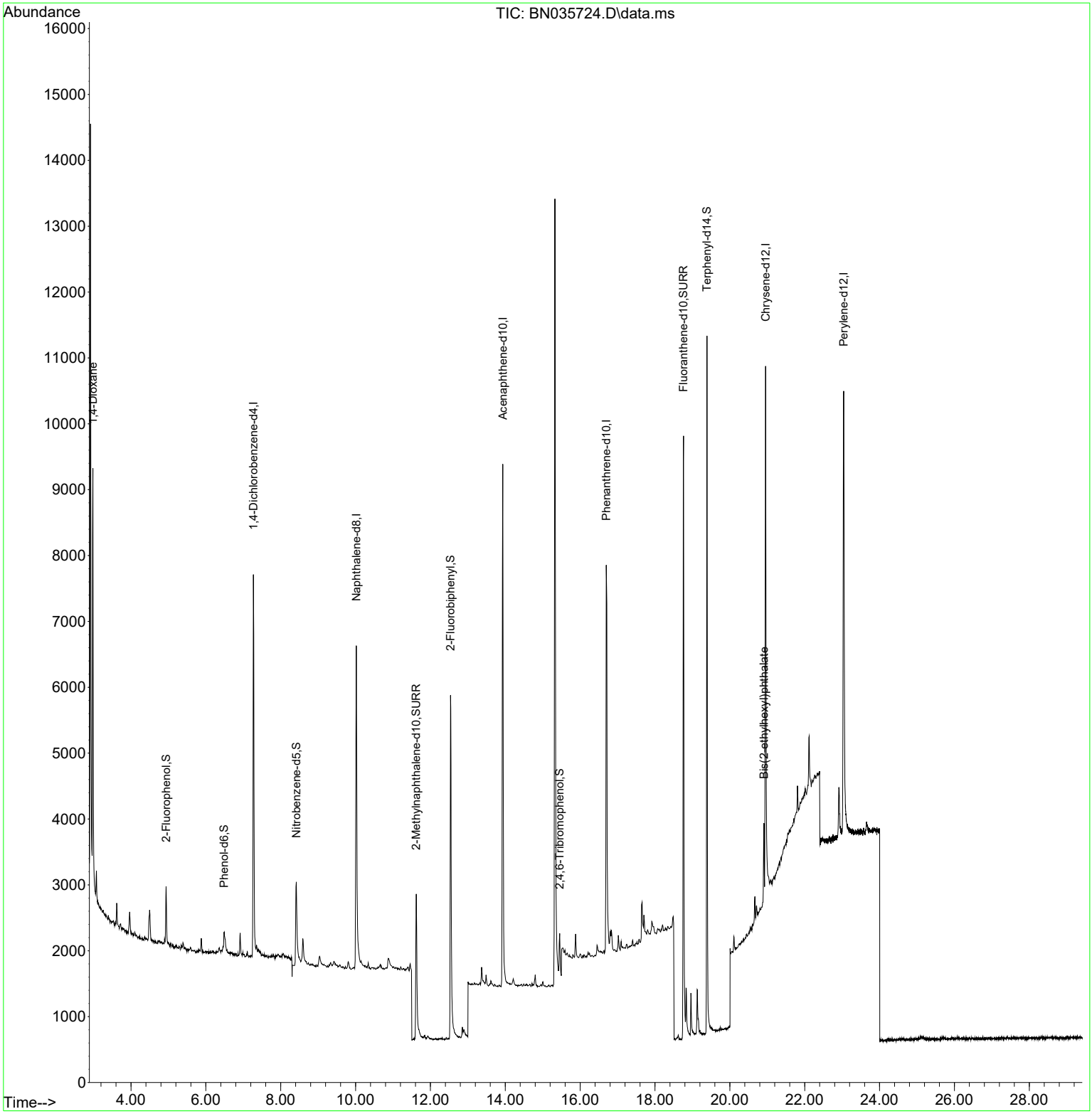
(#) = qualifier out of range (m) = manual integration (+) = signals summed

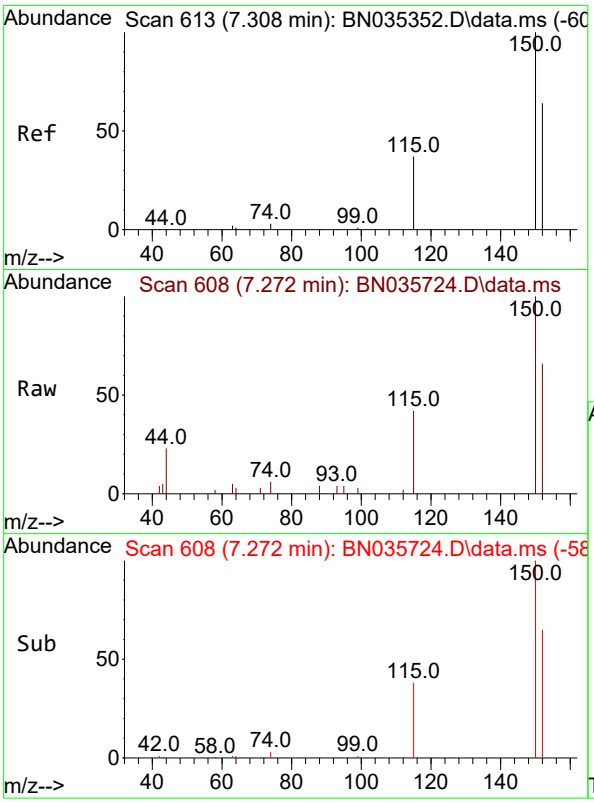
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035724.D
Acq On : 20 Dec 2024 03:10
Operator : RC/JU
Sample : P5261-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GM3-RW3-MW1-20241210

Quant Time: Dec 20 03:56:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration



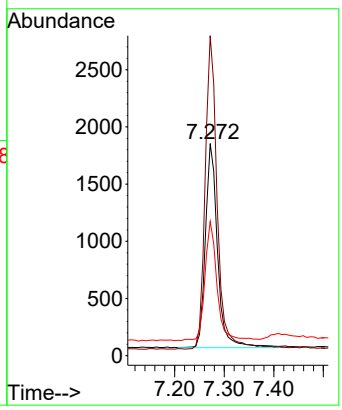


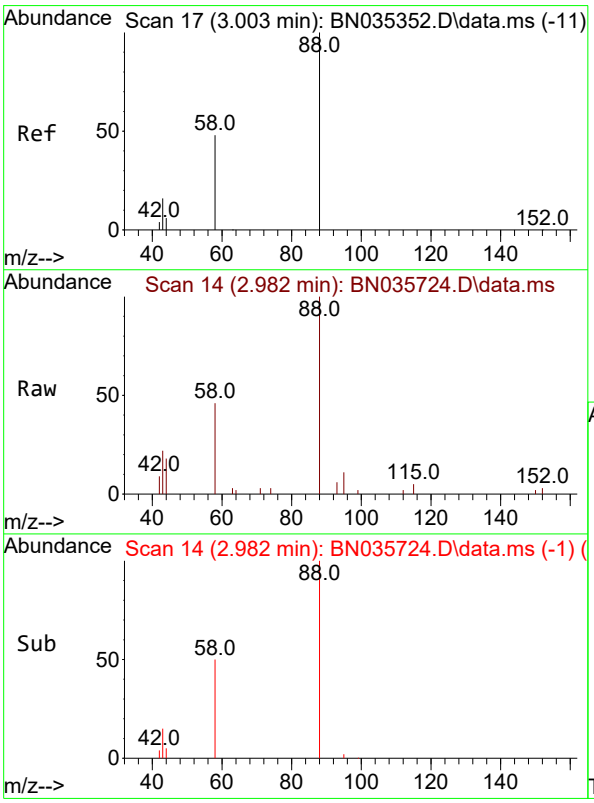
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.272 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN035724.D
Acq: 20 Dec 2024 03:10

Instrument :
BNA_N
ClientSampleId :
GM3-RW3-MW1-20241210

Tgt Ion:152 Resp: 3049

Ion	Ratio	Lower	Upper
152	100		
150	150.8	124.0	186.0
115	63.3	49.6	74.4

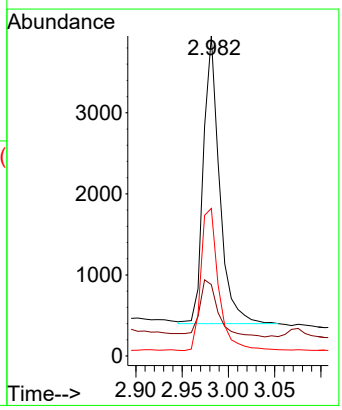


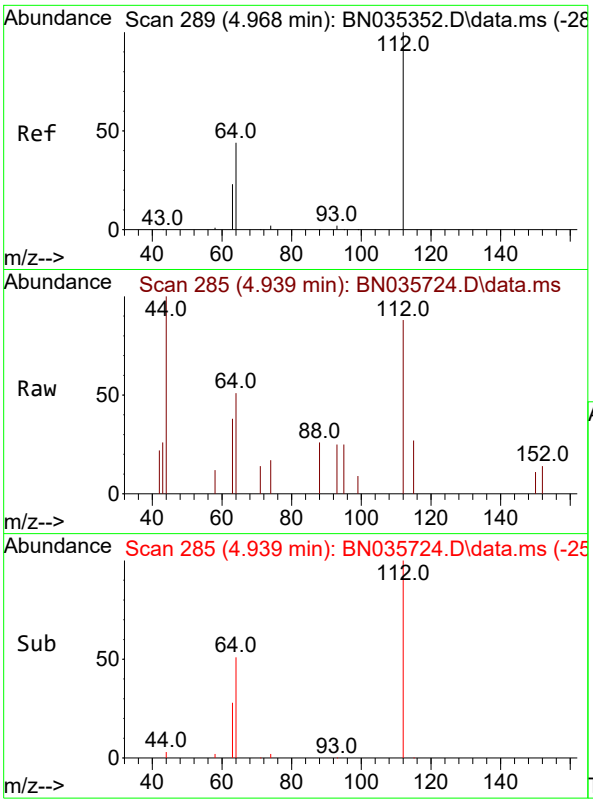


#2
1,4-Dioxane
Concen: 1.471 ng
RT: 2.982 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035724.D
Acq: 20 Dec 2024 03:10

Tgt Ion: 88 Resp: 4289

Ion	Ratio	Lower	Upper
88	100		
43	23.3	17.2	25.8
58	54.4	44.5	66.7



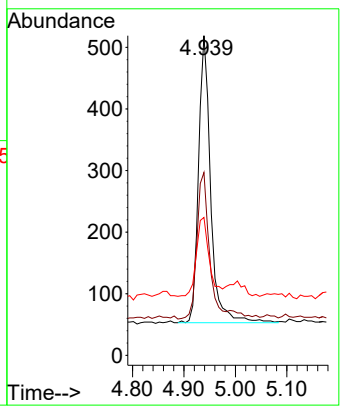


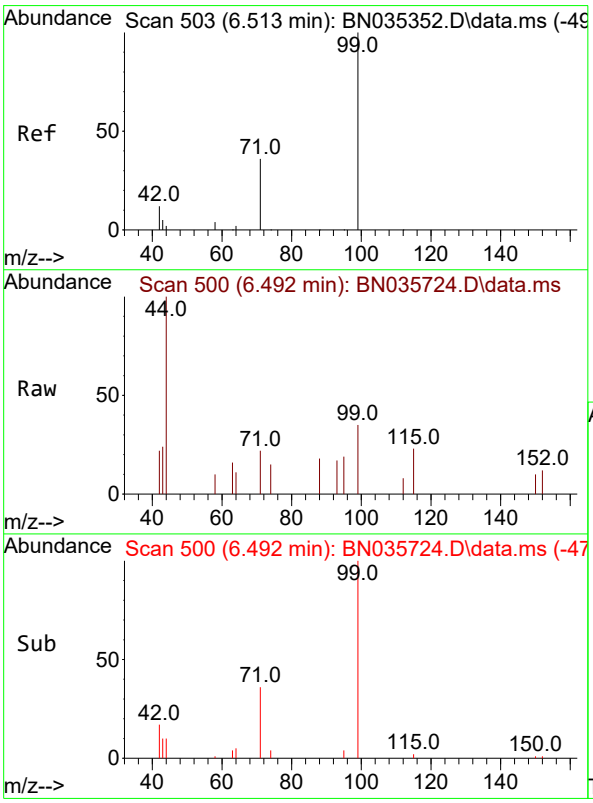
#4
2-Fluorophenol
Concen: 0.100 ng
RT: 4.939 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035724.D
Acq: 20 Dec 2024 03:10

Instrument :
BNA_N
ClientSampleId :
GM3-RW3-MW1-20241210

Tgt Ion:112 Resp: 765

Ion	Ratio	Lower	Upper
112	100		
64	51.5	39.8	59.8
63	32.0	21.0	31.6#

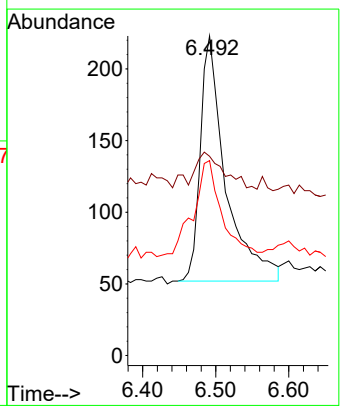


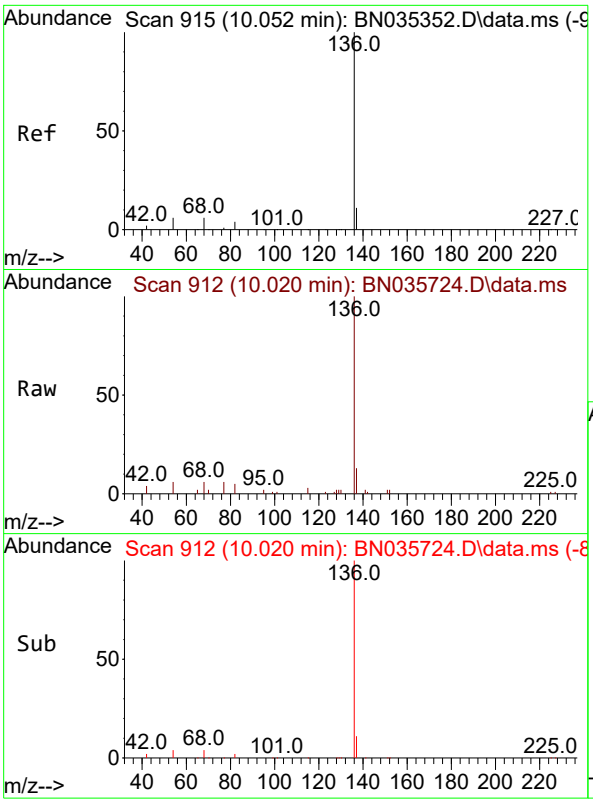


#5
Phenol-d6
Concen: 0.045 ng
RT: 6.492 min Scan# 500
Delta R.T. -0.000 min
Lab File: BN035724.D
Acq: 20 Dec 2024 03:10

Tgt Ion: 99 Resp: 411

Ion	Ratio	Lower	Upper
99	100		
42	26.3	11.4	17.2#
71	46.5	29.3	43.9#



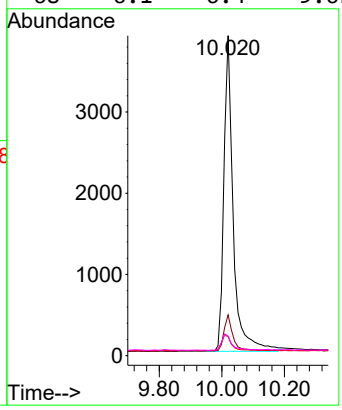


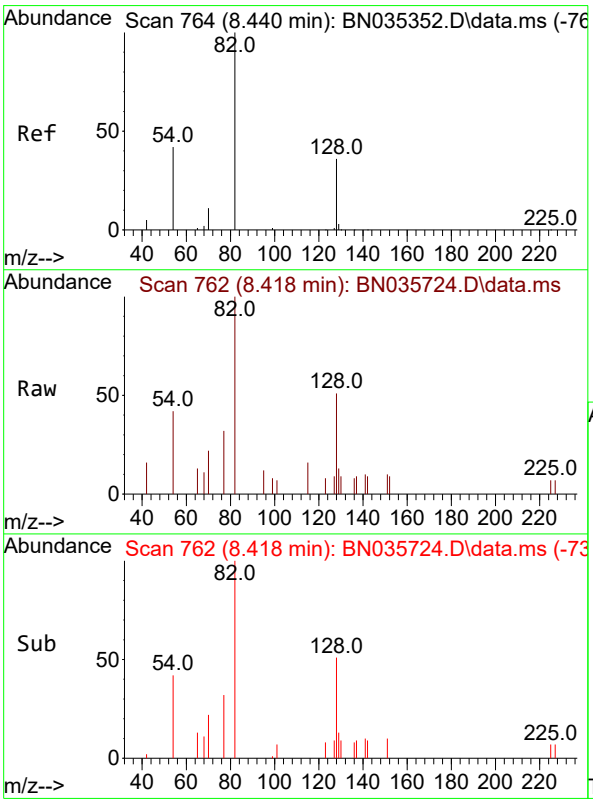
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.020 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN035724.D
Acq: 20 Dec 2024 03:10

Instrument :
BNA_N
ClientSampleId :
GM3-RW3-MW1-20241210

Tgt Ion:136 Resp: 8135

Ion	Ratio	Lower	Upper
136	100		
137	12.8	10.2	15.2
54	5.9	6.1	9.1#
68	6.1	6.4	9.6#

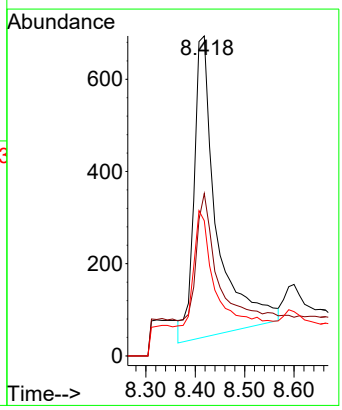


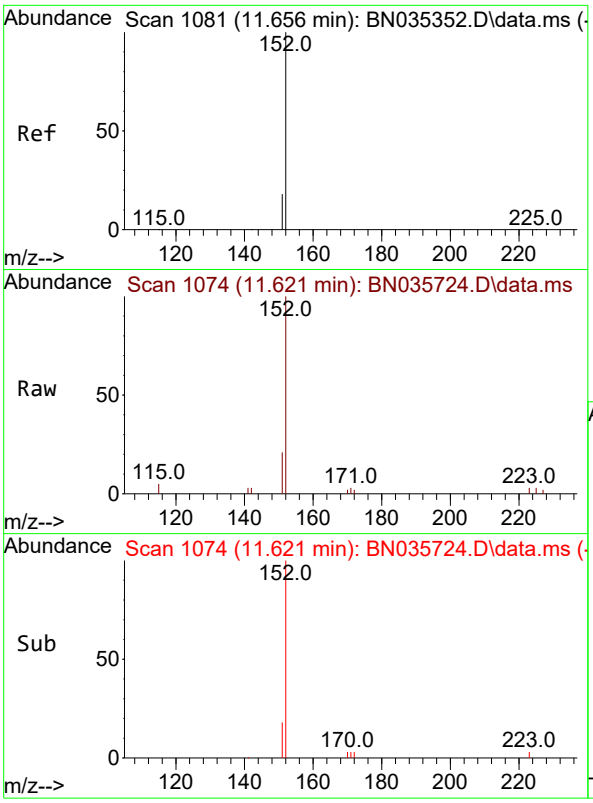


#8
Nitrobenzene-d5
Concen: 0.421 ng
RT: 8.418 min Scan# 762
Delta R.T. 0.010 min
Lab File: BN035724.D
Acq: 20 Dec 2024 03:10

Tgt Ion: 82 Resp: 2093

Ion	Ratio	Lower	Upper
82	100		
128	50.7	33.4	50.0#
54	42.2	36.7	55.1



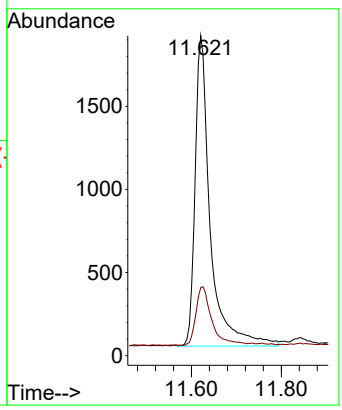


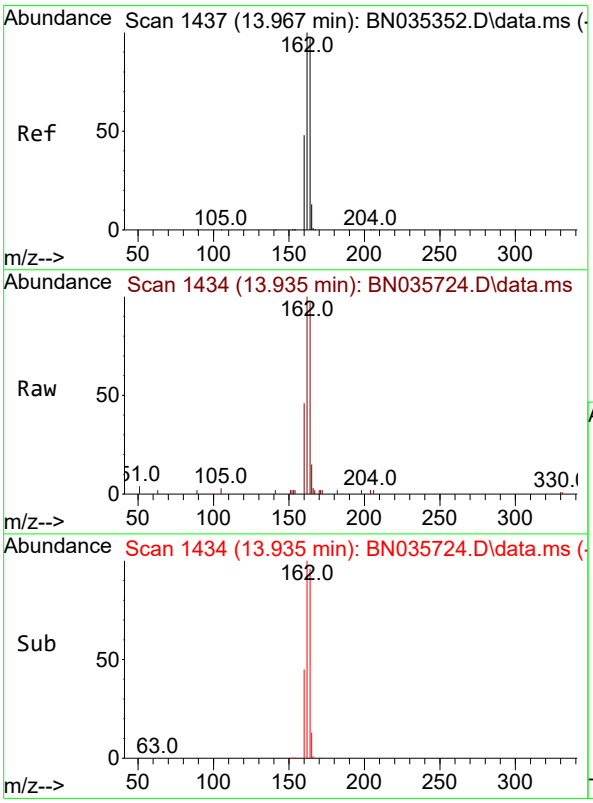
#11
2-Methylnaphthalene-d10
Concen: 0.343 ng
RT: 11.621 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035724.D
Acq: 20 Dec 2024 03:10

Instrument :
BNA_N
ClientSampleId :
GM3-RW3-MW1-20241210

Tgt Ion:152 Resp: 4363

Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.6	25.0

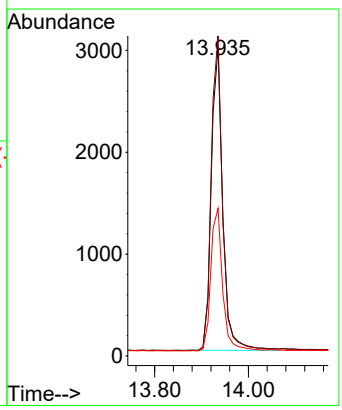


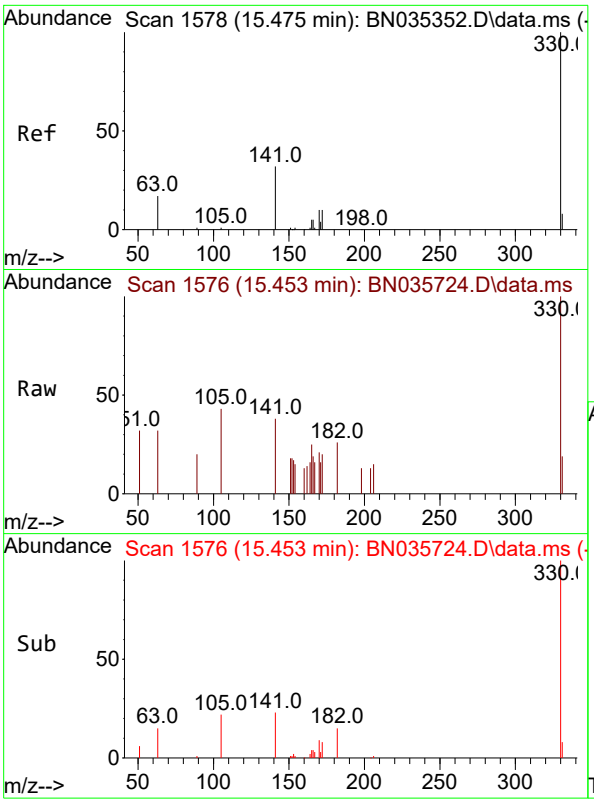


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.935 min Scan# 1434
Delta R.T. -0.000 min
Lab File: BN035724.D
Acq: 20 Dec 2024 03:10

Tgt Ion:164 Resp: 5075

Ion	Ratio	Lower	Upper
164	100		
162	103.6	82.2	123.2
160	47.8	40.1	60.1



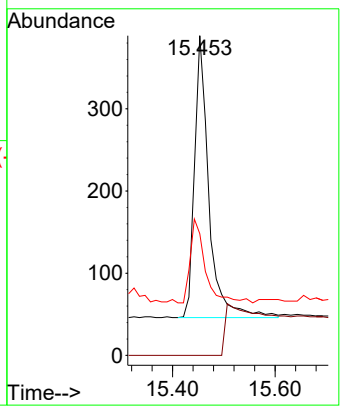


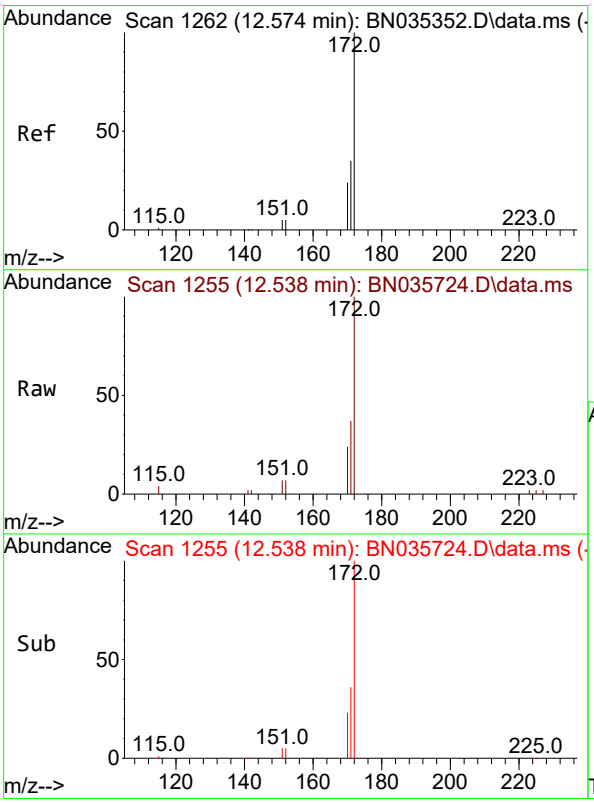
#14
2,4,6-Tribromophenol
Concen: 0.197 ng
RT: 15.453 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035724.D
Acq: 20 Dec 2024 03:10

Instrument :
BNA_N
ClientSampleId :
GM3-RW3-MW1-20241210

Tgt Ion:330 Resp: 711

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	30.1	26.6	40.0

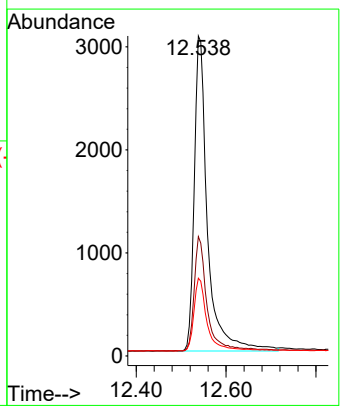


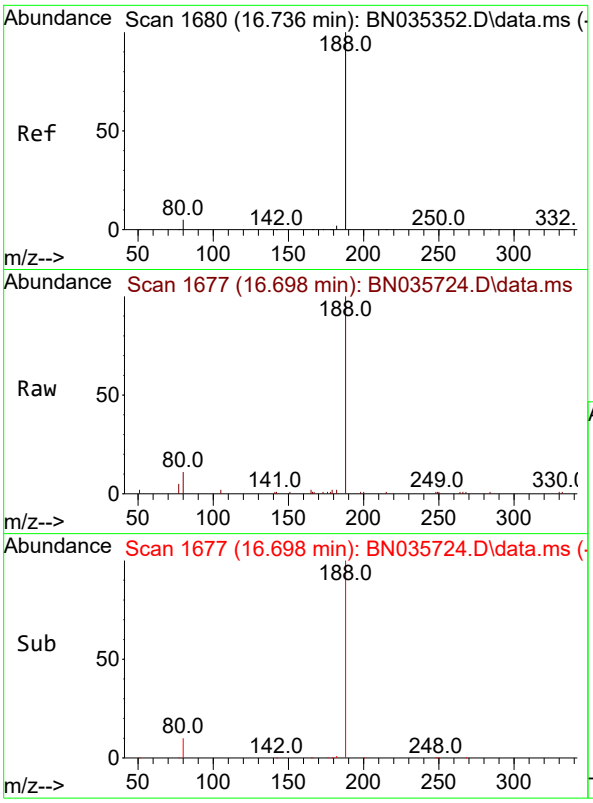


#15
2-Fluorobiphenyl
Concen: 0.327 ng
RT: 12.538 min Scan# 1255
Delta R.T. -0.005 min
Lab File: BN035724.D
Acq: 20 Dec 2024 03:10

Tgt Ion:172 Resp: 6264

Ion	Ratio	Lower	Upper
172	100		
171	37.3	29.0	43.4
170	24.3	19.8	29.8



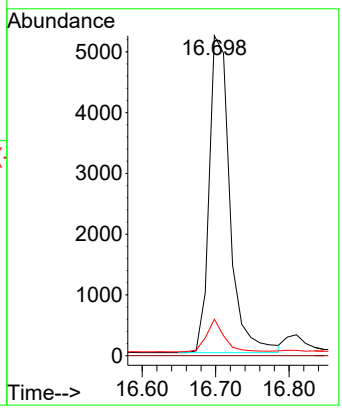


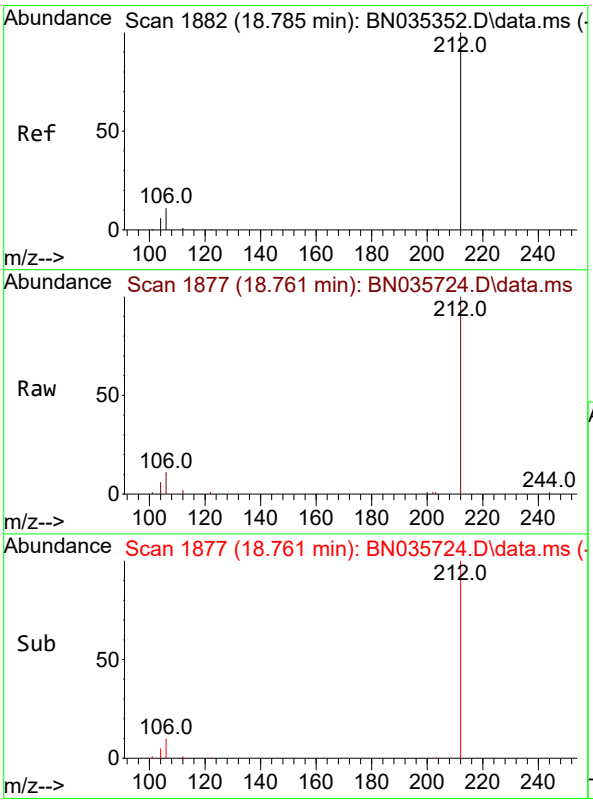
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.698 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN035724.D
Acq: 20 Dec 2024 03:10

Instrument :
BNA_N
ClientSampleId :
GM3-RW3-MW1-20241210

Tgt Ion:188 Resp: 10230

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.4	4.6	6.8#

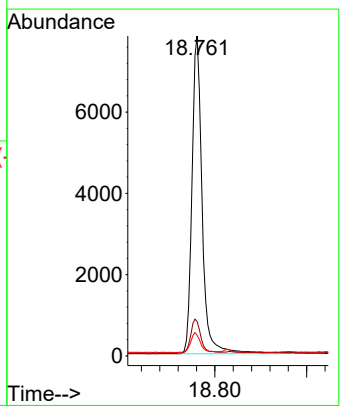


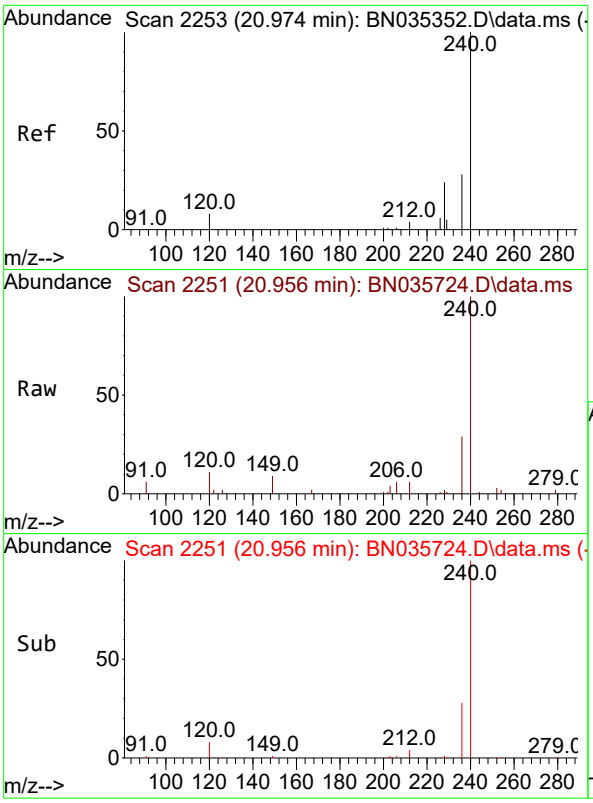


#27
Fluoranthene-d10
Concen: 0.416 ng
RT: 18.761 min Scan# 1877
Delta R.T. -0.000 min
Lab File: BN035724.D
Acq: 20 Dec 2024 03:10

Tgt Ion:212 Resp: 12054

Ion	Ratio	Lower	Upper
212	100		
106	10.5	9.2	13.8
104	6.0	5.3	7.9



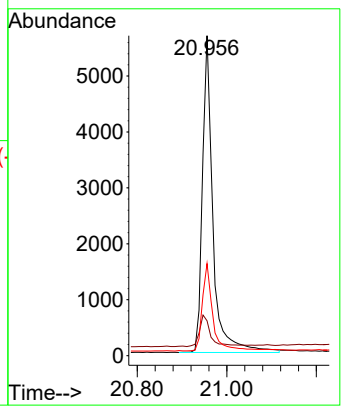


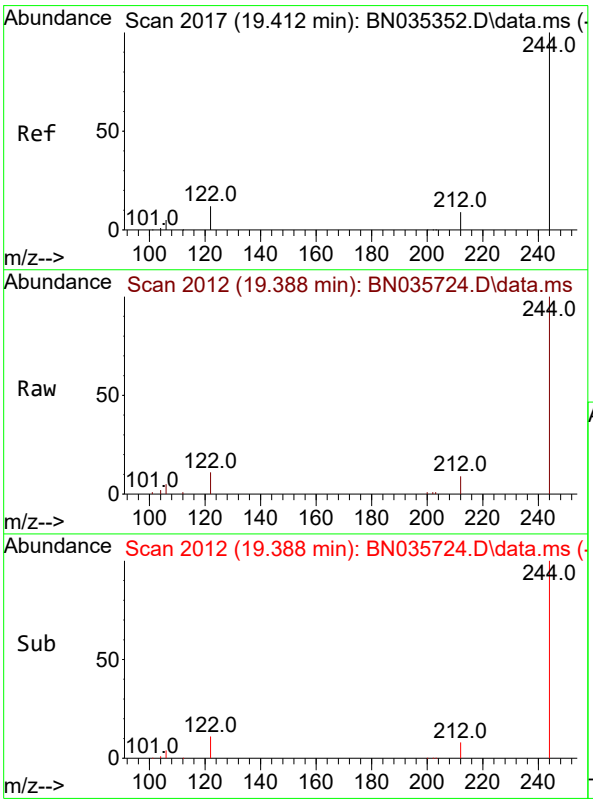
#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.956 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035724.D
Acq: 20 Dec 2024 03:10

Instrument :
BNA_N
ClientSampleId :
GM3-RW3-MW1-20241210

Tgt Ion:240 Resp: 9246

Ion	Ratio	Lower	Upper
240	100		
120	10.9	7.9	11.9
236	28.8	22.9	34.3

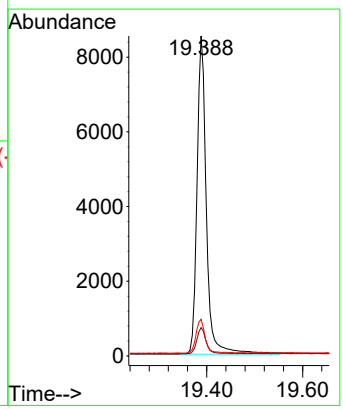


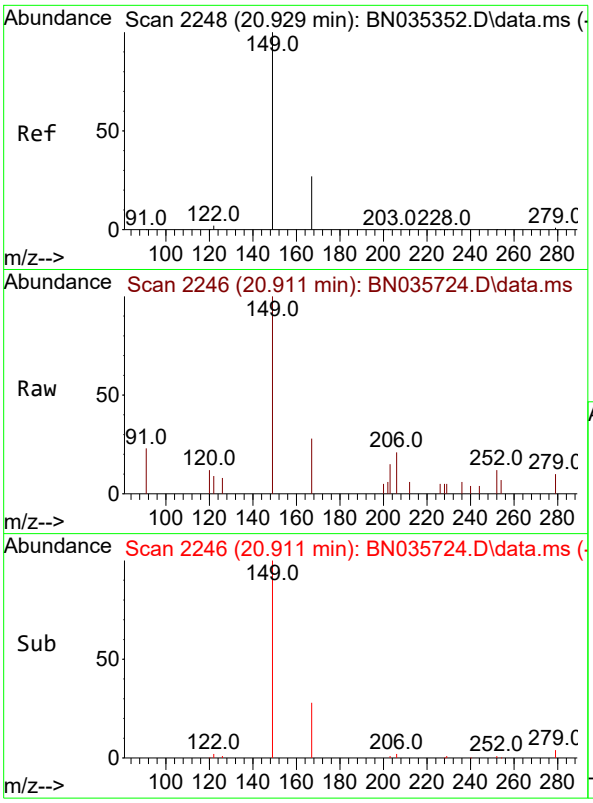


#31
Terphenyl-d14
Concen: 0.635 ng
RT: 19.388 min Scan# 2012
Delta R.T. -0.000 min
Lab File: BN035724.D
Acq: 20 Dec 2024 03:10

Tgt Ion:244 Resp: 11587

Ion	Ratio	Lower	Upper
244	100		
212	8.8	8.1	12.1
122	11.4	10.3	15.5



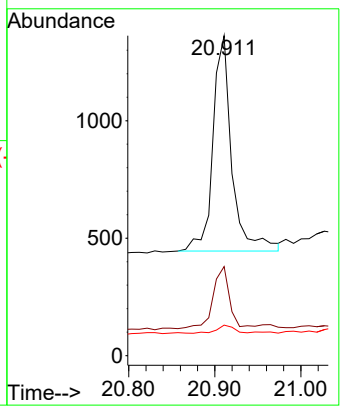


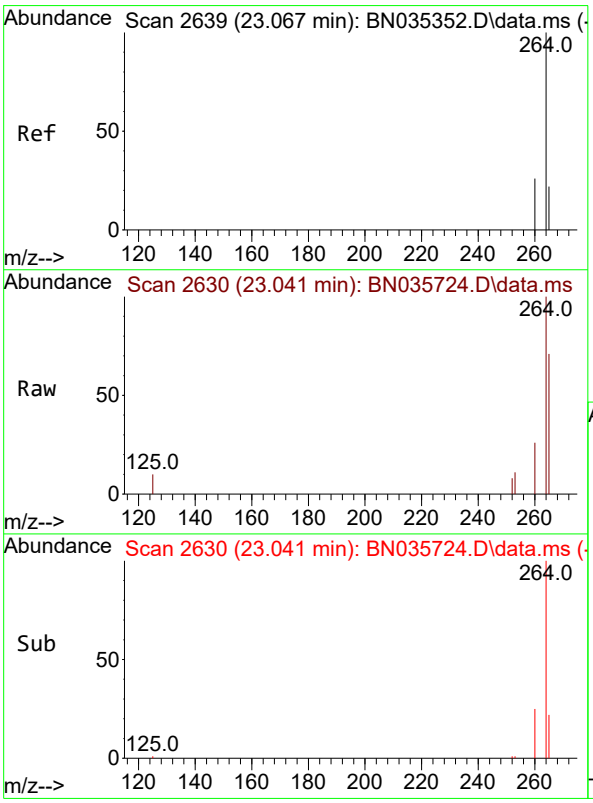
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.110 ng
RT: 20.911 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035724.D
Acq: 20 Dec 2024 03:10

Instrument :
BNA_N
ClientSampleId :
GM3-RW3-MW1-20241210

Tgt Ion:149 Resp: 1400

Ion	Ratio	Lower	Upper
149	100		
167	25.2	22.2	33.4
279	3.4	2.7	4.1

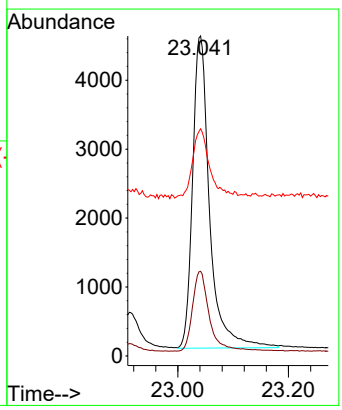




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.041 min Scan# 2630
Delta R.T. -0.000 min
Lab File: BN035724.D
Acq: 20 Dec 2024 03:10

Tgt Ion:264 Resp: 9666

Ion	Ratio	Lower	Upper
264	100		
260	26.5	21.4	32.2
265	71.0	40.2	60.4#



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035725.D
Acq On : 20 Dec 2024 03:46
Operator : RC/JU
Sample : P5261-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE125D3-20241210

Quant Time: Dec 20 04:19:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

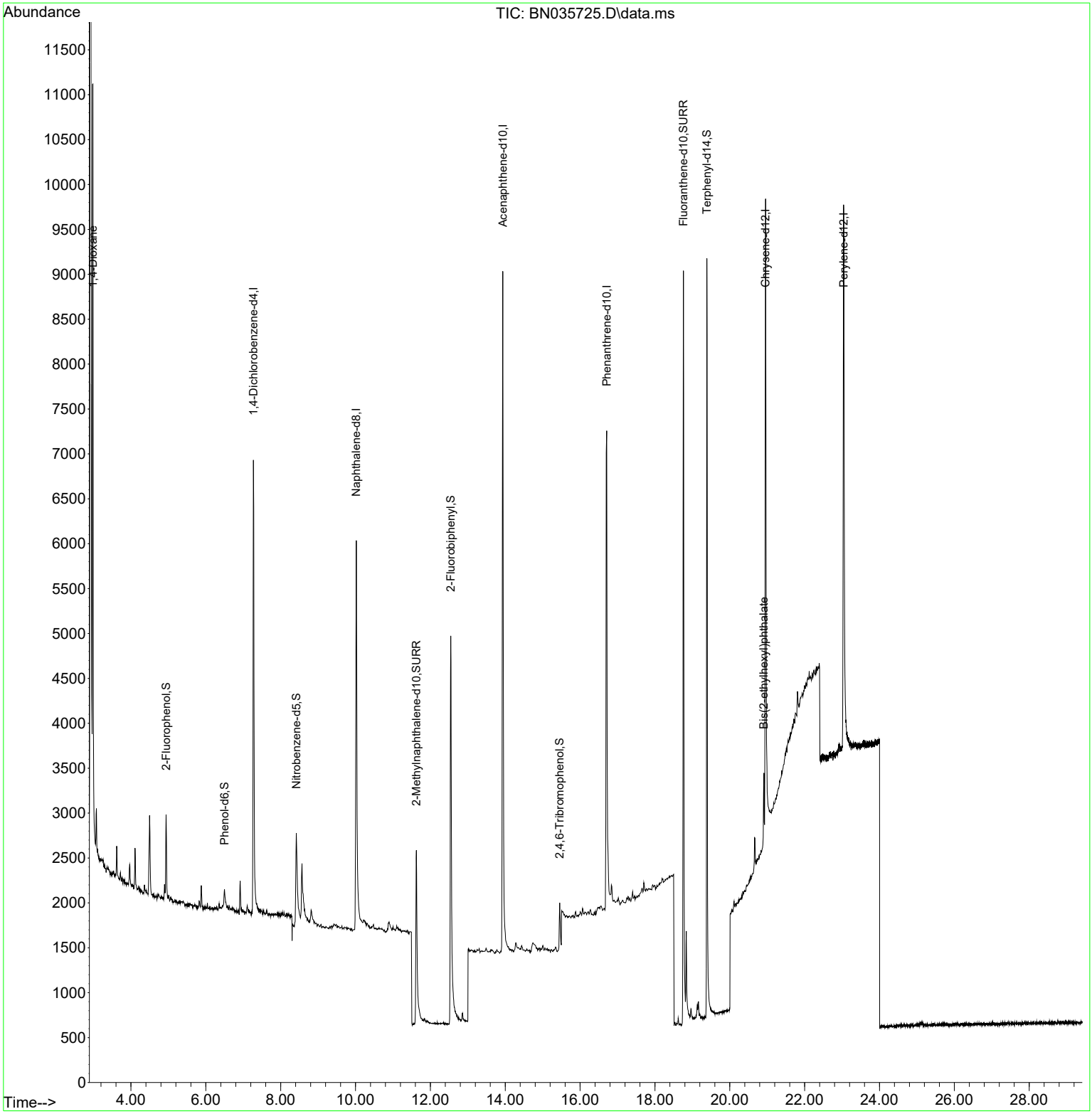
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.272	152	2841	0.400	ng	0.00
7) Naphthalene-d8	10.020	136	7711	0.400	ng	# 0.00
13) Acenaphthene-d10	13.935	164	5101	0.400	ng	0.00
19) Phenanthrene-d10	16.711	188	10162	0.400	ng	# 0.01
29) Chrysene-d12	20.956	240	8945	0.400	ng	# 0.00
35) Perylene-d12	23.041	264	9224	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.939	112	835	0.117	ng	0.00
5) Phenol-d6	6.499	99	460	0.054	ng	0.00
8) Nitrobenzene-d5	8.418	82	1971	0.418	ng	0.01
11) 2-Methylnaphthalene-d10	11.626	152	4240	0.351	ng	0.00
14) 2,4,6-Tribromophenol	15.453	330	631	0.174	ng	0.00
15) 2-Fluorobiphenyl	12.544	172	6139	0.318	ng	0.00
27) Fluoranthene-d10	18.761	212	11262	0.391	ng	0.00
31) Terphenyl-d14	19.389	244	9790	0.555	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.982	88	5712	2.103	ng	99
34) Bis(2-ethylhexyl)phtha...	20.911	149	780	0.063	ng	# 93

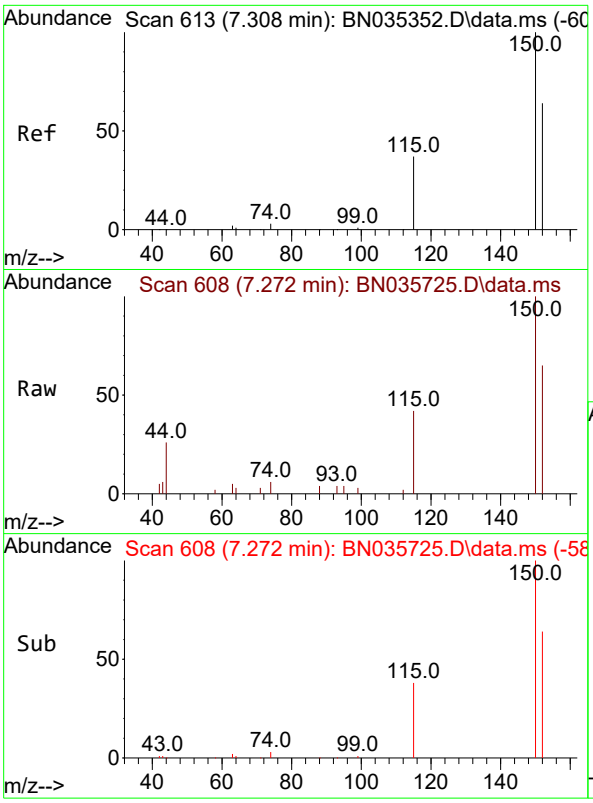
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035725.D
Acq On : 20 Dec 2024 03:46
Operator : RC/JU
Sample : P5261-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE125D3-20241210

Quant Time: Dec 20 04:19:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration



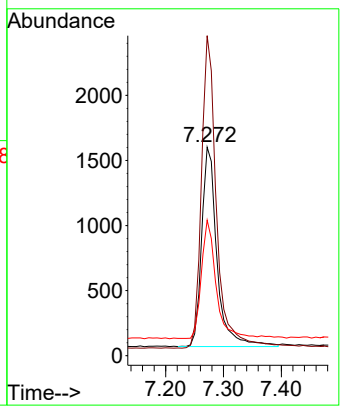


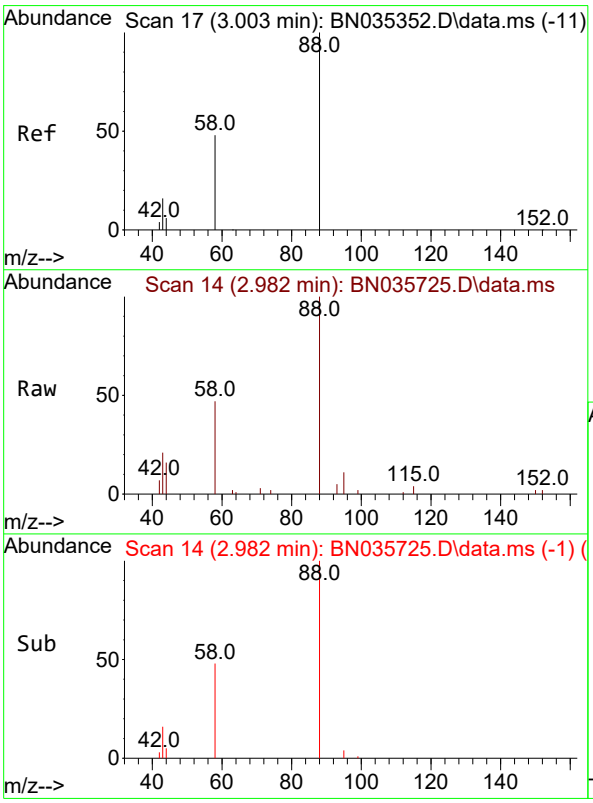
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.272 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN035725.D
Acq: 20 Dec 2024 03:46

Instrument :
BNA_N
ClientSampleId :
RE125D3-20241210

Tgt Ion:152 Resp: 2841

Ion	Ratio	Lower	Upper
152	100		
150	153.5	124.0	186.0
115	65.0	49.6	74.4

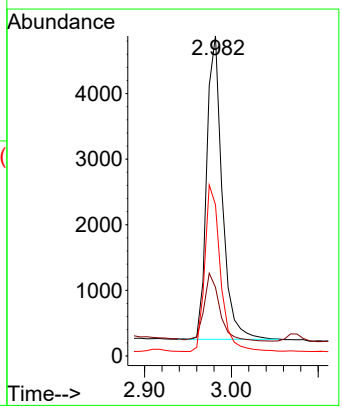


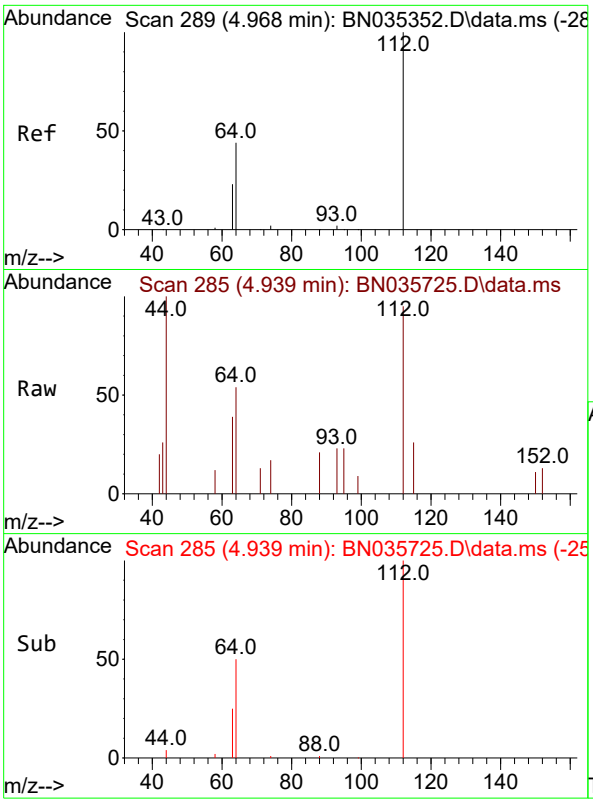


#2
1,4-Dioxane
Concen: 2.103 ng
RT: 2.982 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035725.D
Acq: 20 Dec 2024 03:46

Tgt Ion: 88 Resp: 5712

Ion	Ratio	Lower	Upper
88	100		
43	22.8	17.2	25.8
58	56.0	44.5	66.7



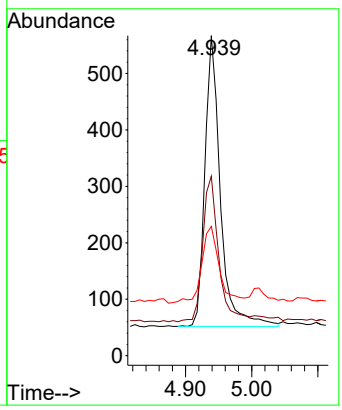


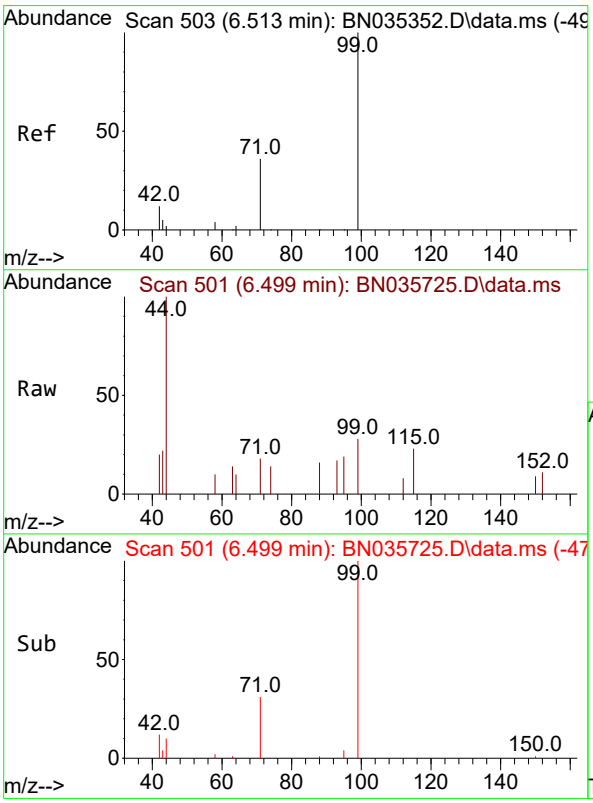
#4
2-Fluorophenol
Concen: 0.117 ng
RT: 4.939 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035725.D
Acq: 20 Dec 2024 03:46

Instrument :
BNA_N
ClientSampleId :
RE125D3-20241210

Tgt Ion:112 Resp: 835

Ion	Ratio	Lower	Upper
112	100		
64	51.6	39.8	59.8
63	29.6	21.0	31.6

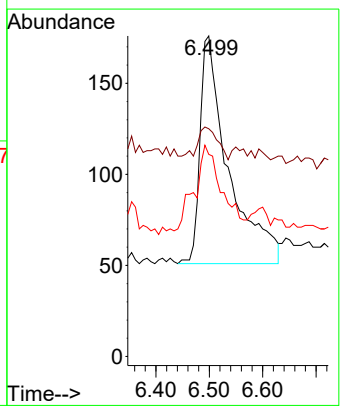


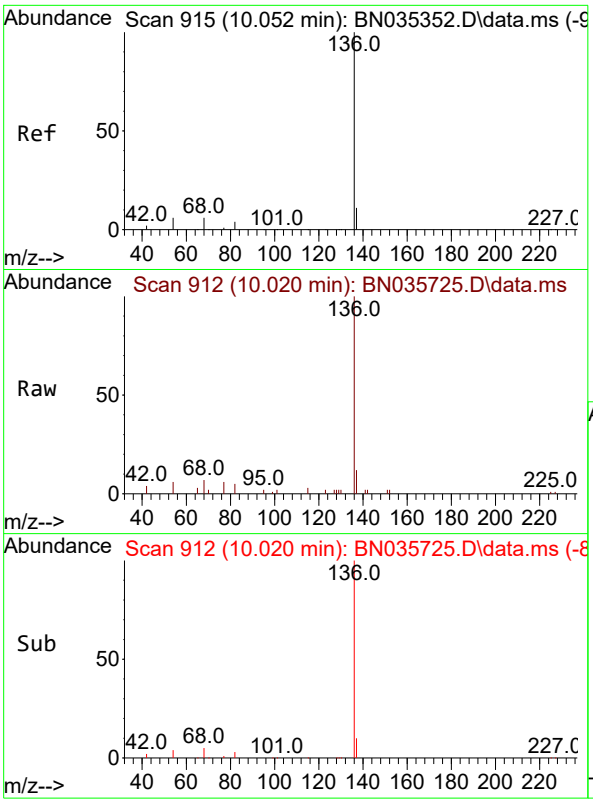


#5
Phenol-d6
Concen: 0.054 ng
RT: 6.499 min Scan# 501
Delta R.T. 0.007 min
Lab File: BN035725.D
Acq: 20 Dec 2024 03:46

Tgt Ion: 99 Resp: 460

Ion	Ratio	Lower	Upper
99	100		
42	10.2	11.4	17.2#
71	36.7	29.3	43.9



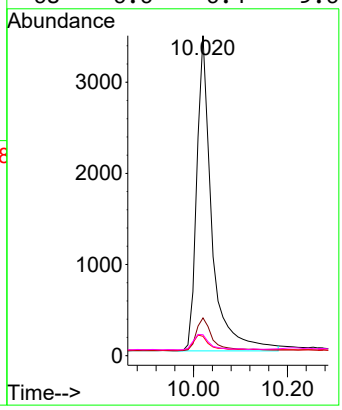


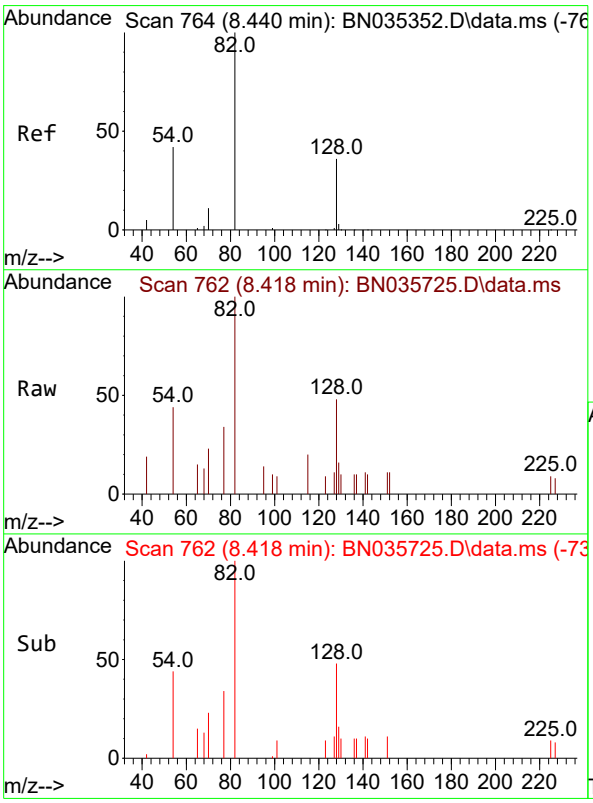
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.020 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN035725.D
Acq: 20 Dec 2024 03:46

Instrument :
BNA_N
ClientSampleId :
RE125D3-20241210

Tgt Ion:136 Resp: 7711

Ion	Ratio	Lower	Upper
136	100		
137	11.8	10.2	15.2
54	6.0	6.1	9.1#
68	6.6	6.4	9.6

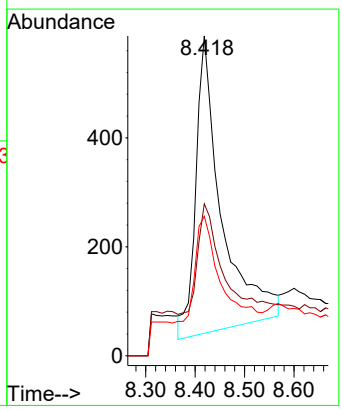


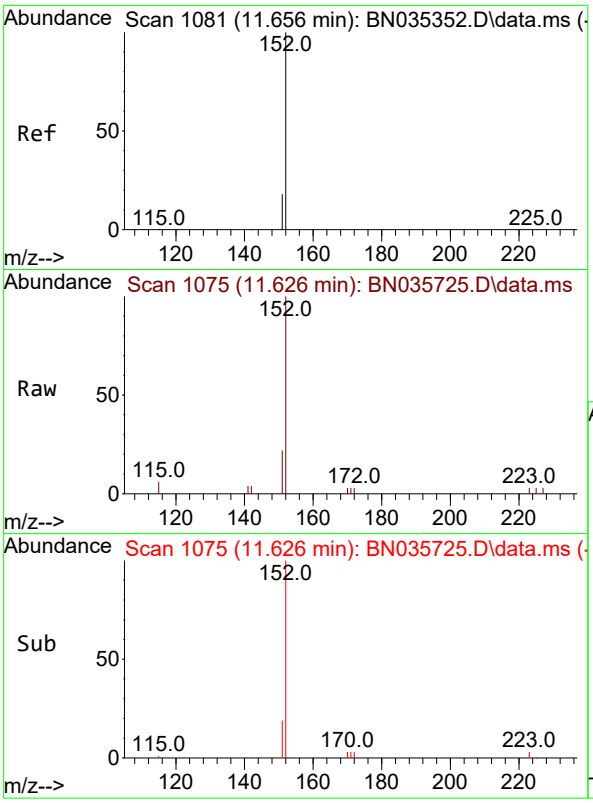


#8
Nitrobenzene-d5
Concen: 0.418 ng
RT: 8.418 min Scan# 762
Delta R.T. 0.011 min
Lab File: BN035725.D
Acq: 20 Dec 2024 03:46

Tgt Ion: 82 Resp: 1971

Ion	Ratio	Lower	Upper
82	100		
128	47.5	33.4	50.0
54	43.6	36.7	55.1



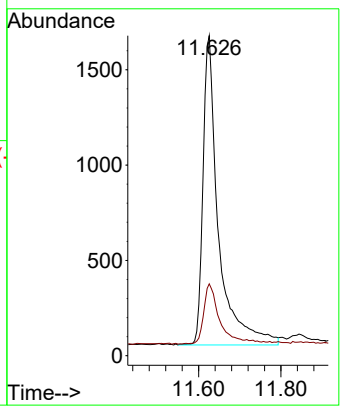


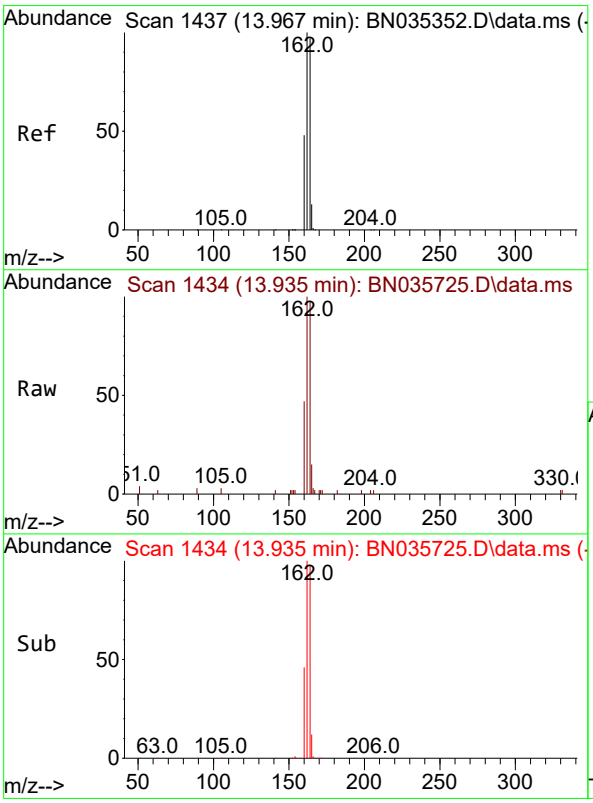
#11
2-Methylnaphthalene-d10
Concen: 0.351 ng
RT: 11.626 min Scan# 1
Delta R.T. 0.005 min
Lab File: BN035725.D
Acq: 20 Dec 2024 03:46

Instrument :
BNA_N
ClientSampleId :
RE125D3-20241210

Tgt Ion:152 Resp: 4240

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.6	25.0

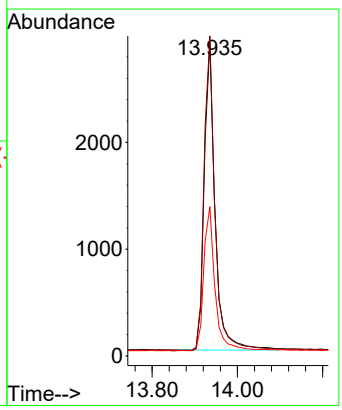


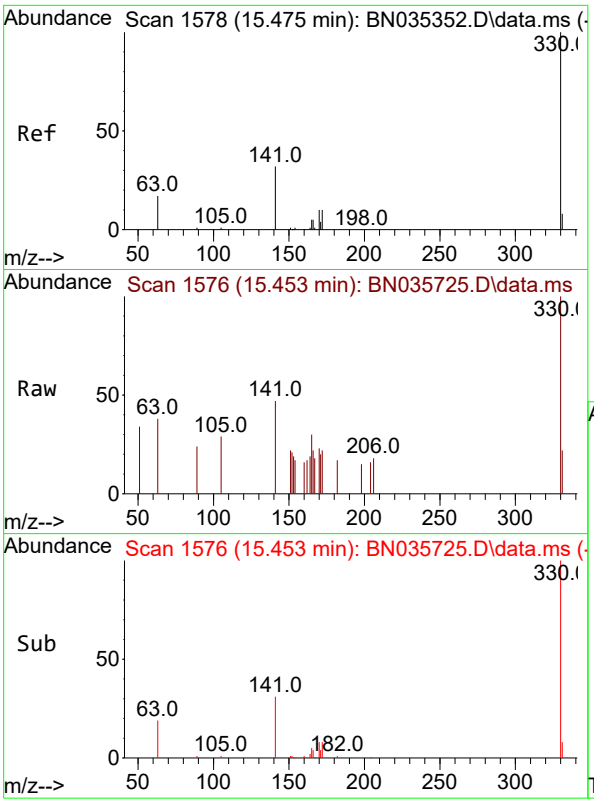


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.935 min Scan# 1434
Delta R.T. -0.000 min
Lab File: BN035725.D
Acq: 20 Dec 2024 03:46

Tgt Ion:164 Resp: 5101

Ion	Ratio	Lower	Upper
164	100		
162	102.3	82.2	123.2
160	47.7	40.1	60.1



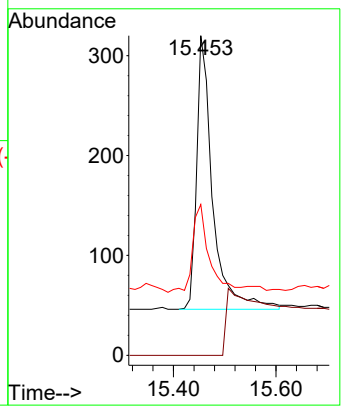


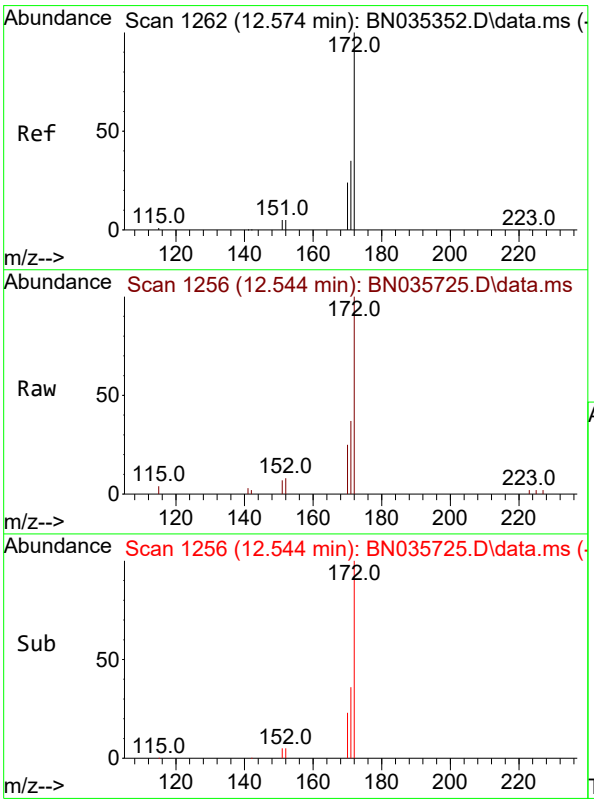
#14
2,4,6-Tribromophenol
Concen: 0.174 ng
RT: 15.453 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035725.D
Acq: 20 Dec 2024 03:46

Instrument :
BNA_N
ClientSampleId :
RE125D3-20241210

Tgt Ion:330 Resp: 631

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	31.7	26.6	40.0

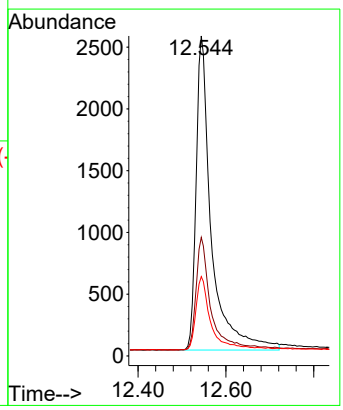


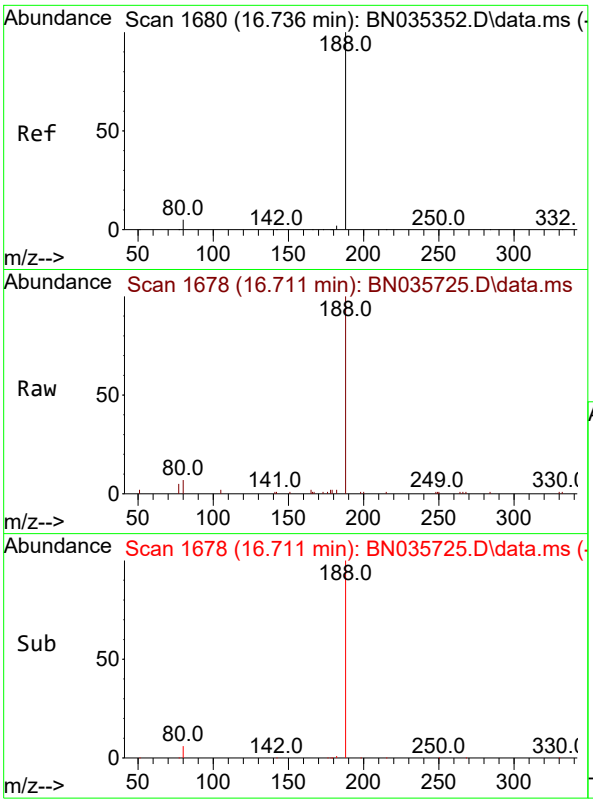


#15
2-Fluorobiphenyl
Concen: 0.318 ng
RT: 12.544 min Scan# 1256
Delta R.T. -0.000 min
Lab File: BN035725.D
Acq: 20 Dec 2024 03:46

Tgt Ion:172 Resp: 6139

Ion	Ratio	Lower	Upper
172	100		
171	37.1	29.0	43.4
170	24.8	19.8	29.8



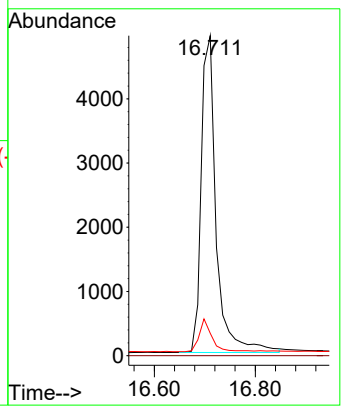


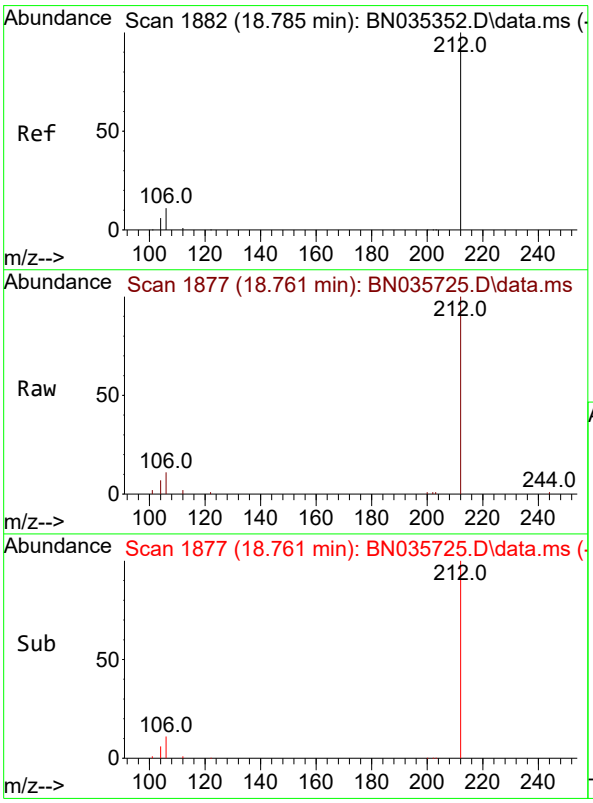
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.711 min Scan# 1(
Delta R.T. 0.012 min
Lab File: BN035725.D
Acq: 20 Dec 2024 03:46

Instrument :
BNA_N
ClientSampleId :
RE125D3-20241210

Tgt Ion:188 Resp: 10162

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.0	4.6	6.8#

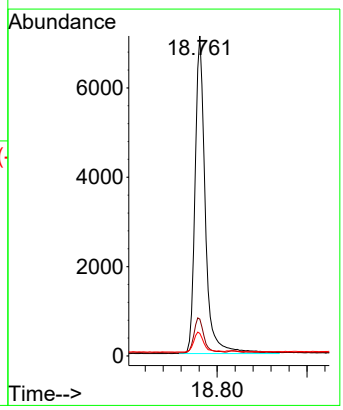


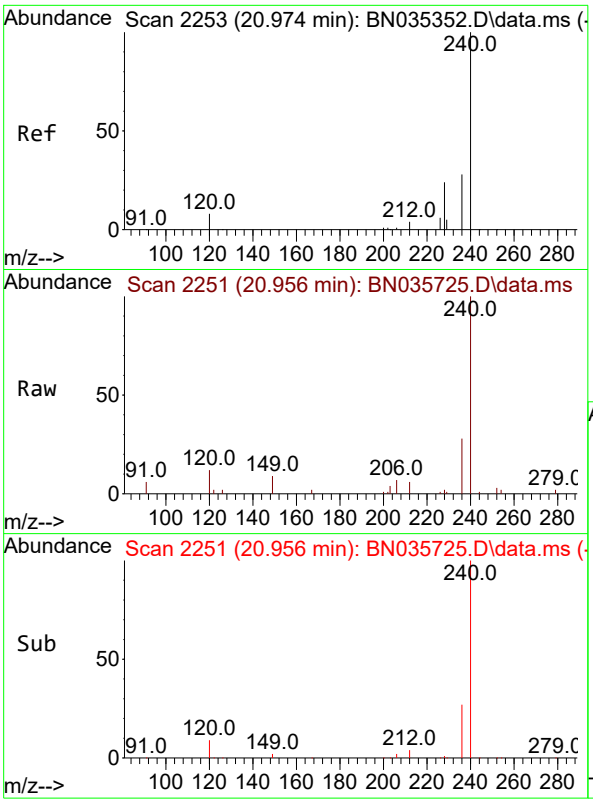


#27
Fluoranthene-d10
Concen: 0.391 ng
RT: 18.761 min Scan# 1877
Delta R.T. -0.000 min
Lab File: BN035725.D
Acq: 20 Dec 2024 03:46

Tgt Ion:212 Resp: 11262

Ion	Ratio	Lower	Upper
212	100		
106	10.8	9.2	13.8
104	6.1	5.3	7.9



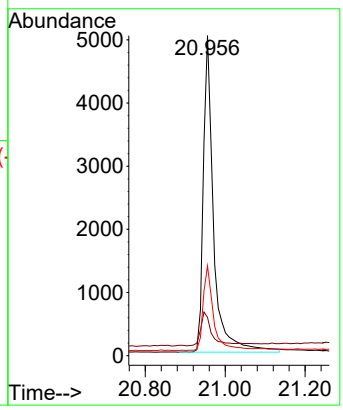


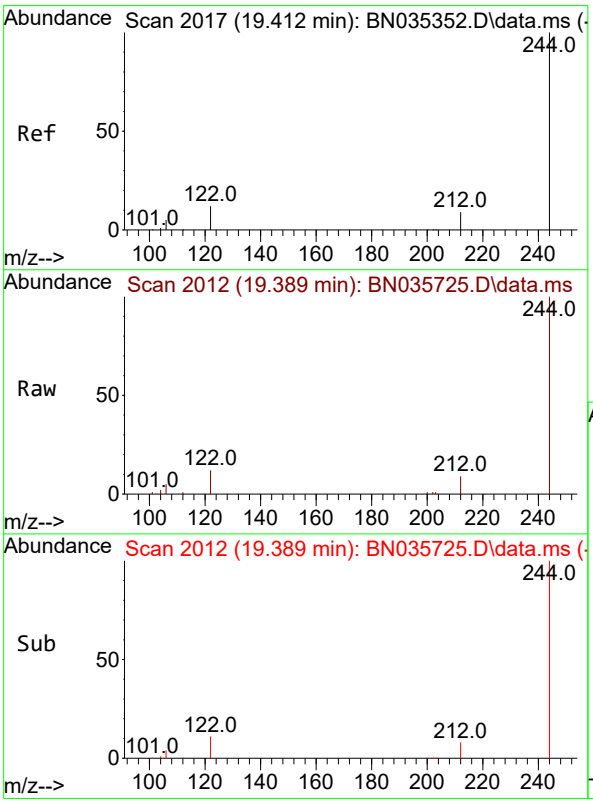
#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.956 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035725.D
Acq: 20 Dec 2024 03:46

Instrument :
BNA_N
ClientSampleId :
RE125D3-20241210

Tgt Ion:240 Resp: 8945

Ion	Ratio	Lower	Upper
240	100		
120	12.0	7.9	11.9#
236	28.0	22.9	34.3

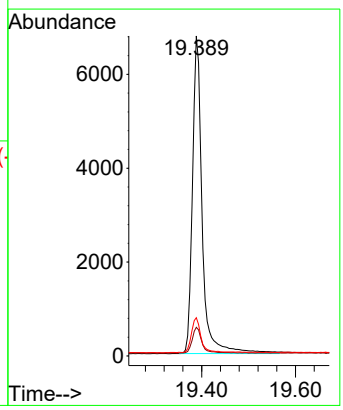


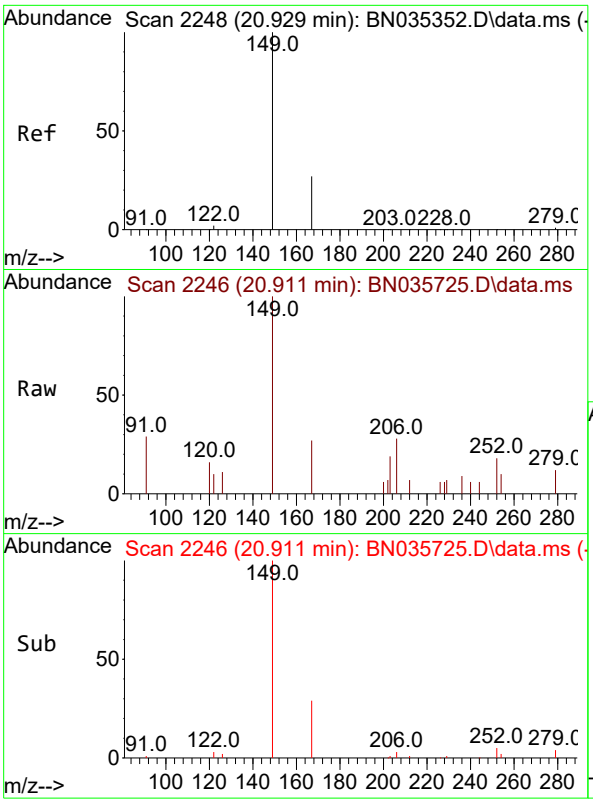


#31
Terphenyl-d14
Concen: 0.555 ng
RT: 19.389 min Scan# 2012
Delta R.T. -0.000 min
Lab File: BN035725.D
Acq: 20 Dec 2024 03:46

Tgt Ion:244 Resp: 9790

Ion	Ratio	Lower	Upper
244	100		
212	8.9	8.1	12.1
122	12.0	10.3	15.5



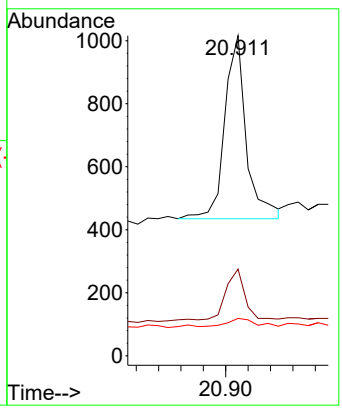


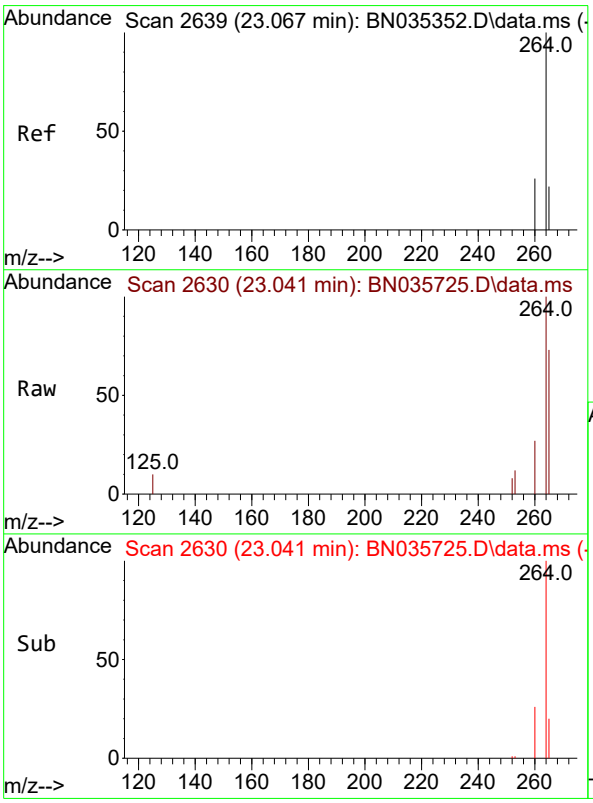
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.063 ng
RT: 20.911 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035725.D
Acq: 20 Dec 2024 03:46

Instrument :
BNA_N
ClientSampleId :
RE125D3-20241210

Tgt Ion:149 Resp: 780

Ion	Ratio	Lower	Upper
149	100		
167	24.2	22.2	33.4
279	5.4	2.7	4.1#

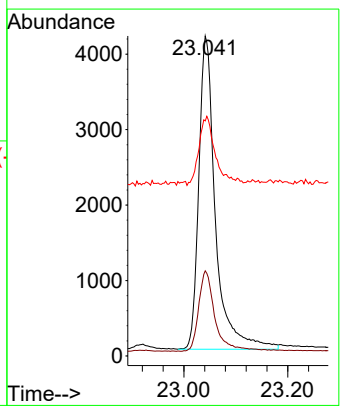




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.041 min Scan# 2630
Delta R.T. -0.000 min
Lab File: BN035725.D
Acq: 20 Dec 2024 03:46

Tgt Ion:264 Resp: 9224

Ion	Ratio	Lower	Upper
264	100		
260	26.6	21.4	32.2
265	73.5	40.2	60.4#



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035726.D
Acq On : 20 Dec 2024 04:22
Operator : RC/JU
Sample : P5261-15
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE125D2-20241210

Quant Time: Dec 20 04:43:58 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

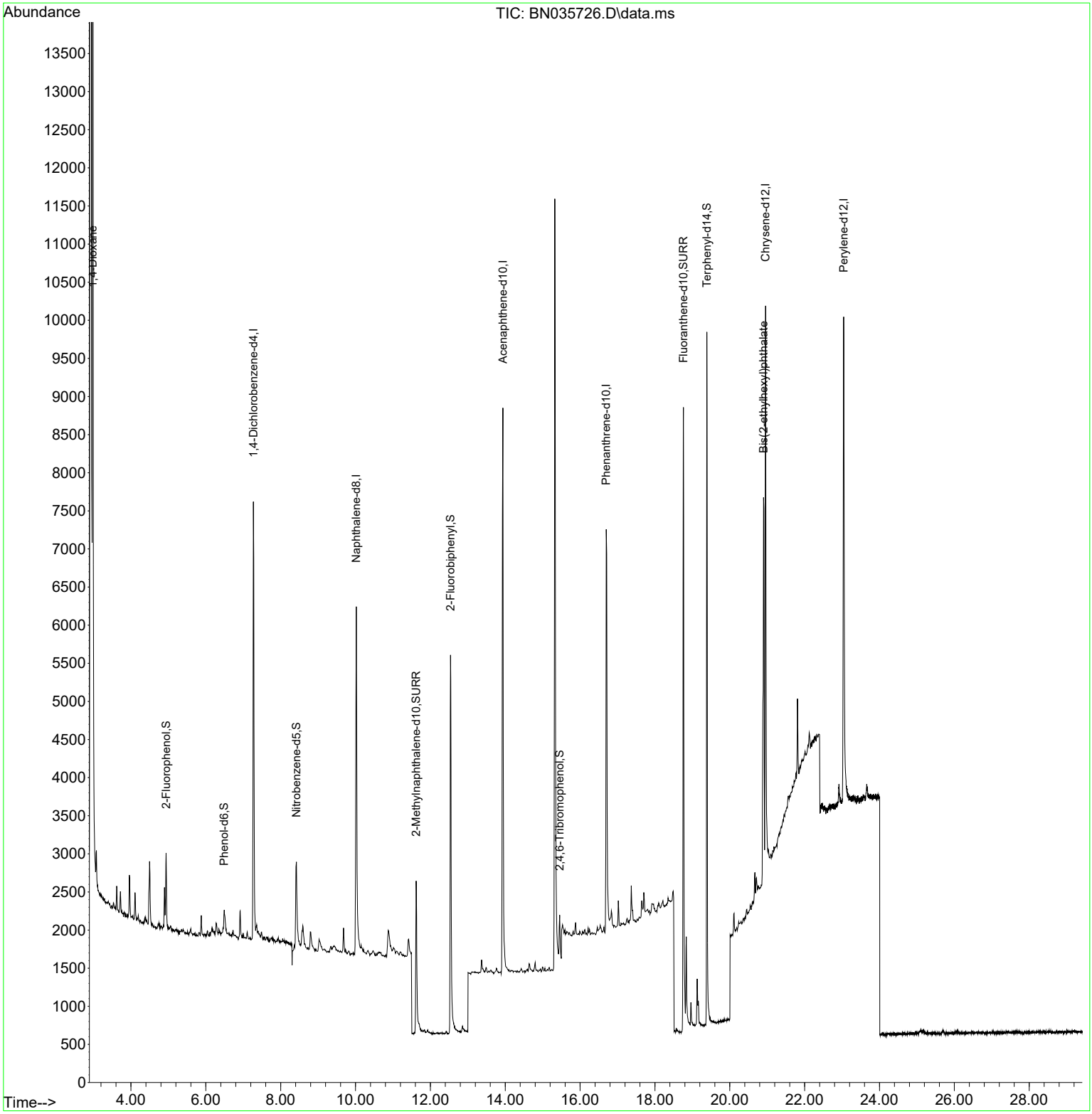
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.271	152	2948	0.400	ng	0.00
7) Naphthalene-d8	10.020	136	7525	0.400	ng	# 0.00
13) Acenaphthene-d10	13.935	164	4789	0.400	ng	0.00
19) Phenanthrene-d10	16.698	188	9505	0.400	ng	# 0.00
29) Chrysene-d12	20.956	240	8457	0.400	ng	0.00
35) Perylene-d12	23.044	264	9186	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.939	112	882	0.120	ng	0.00
5) Phenol-d6	6.492	99	557	0.063	ng	0.00
8) Nitrobenzene-d5	8.418	82	1995	0.434	ng	0.01
11) 2-Methylnaphthalene-d10	11.621	152	3810	0.324	ng	0.00
14) 2,4,6-Tribromophenol	15.453	330	632	0.186	ng	0.00
15) 2-Fluorobiphenyl	12.538	172	5628	0.311	ng	0.00
27) Fluoranthene-d10	18.761	212	10917	0.405	ng	0.00
31) Terphenyl-d14	19.388	244	9852	0.591	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.974	88	19948	7.078	ng	98
34) Bis(2-ethylhexyl)phtha...	20.902	149	7348	0.629	ng	97

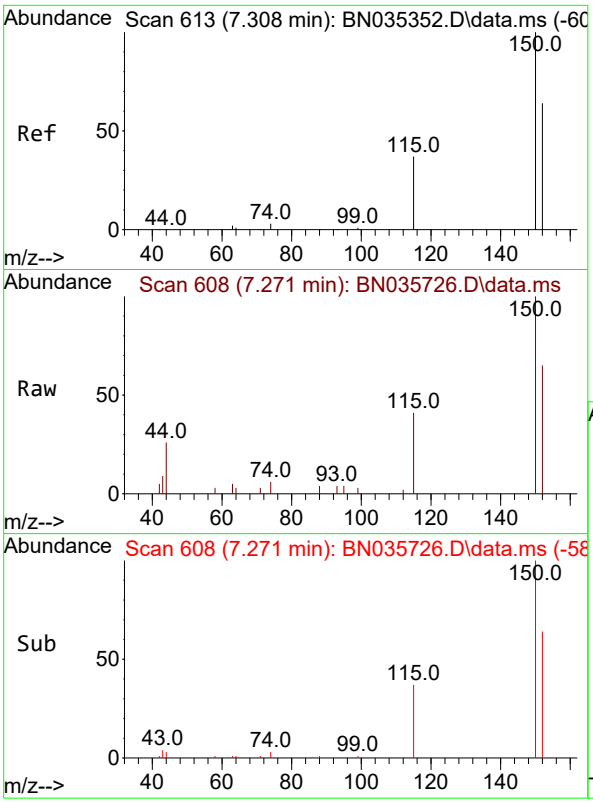
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035726.D
Acq On : 20 Dec 2024 04:22
Operator : RC/JU
Sample : P5261-15
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE125D2-20241210

Quant Time: Dec 20 04:43:58 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration



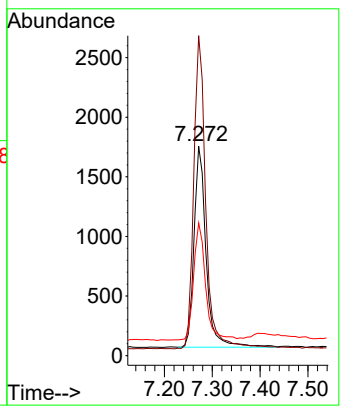


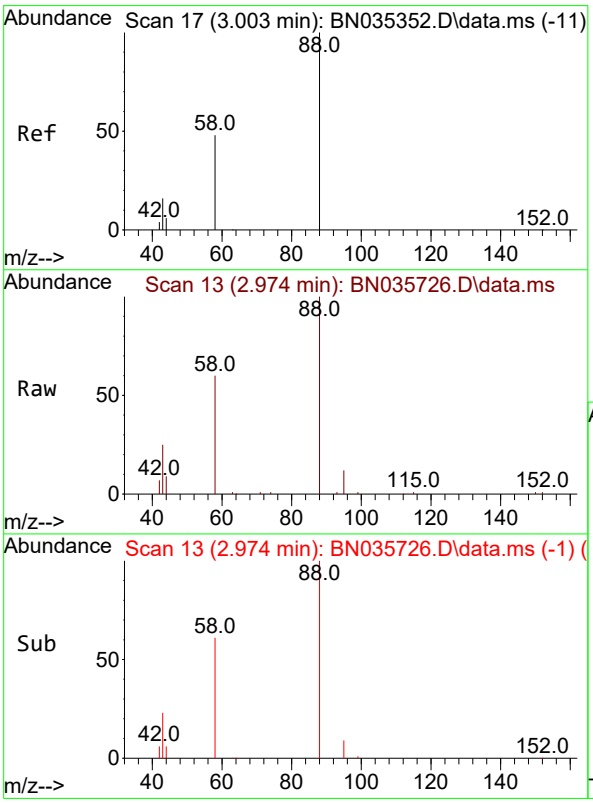
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.271 min Scan# 6
Delta R.T. -0.001 min
Lab File: BN035726.D
Acq: 20 Dec 2024 04:22

Instrument :
BNA_N
ClientSampleId :
RE125D2-20241210

Tgt Ion:152 Resp: 2948

Ion	Ratio	Lower	Upper
152	100		
150	152.8	124.0	186.0
115	63.4	49.6	74.4

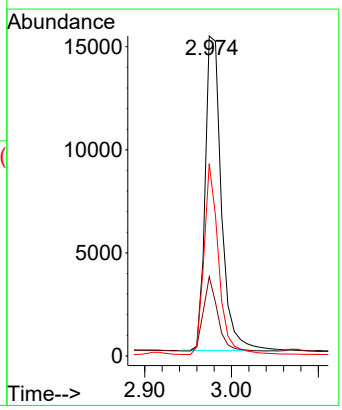


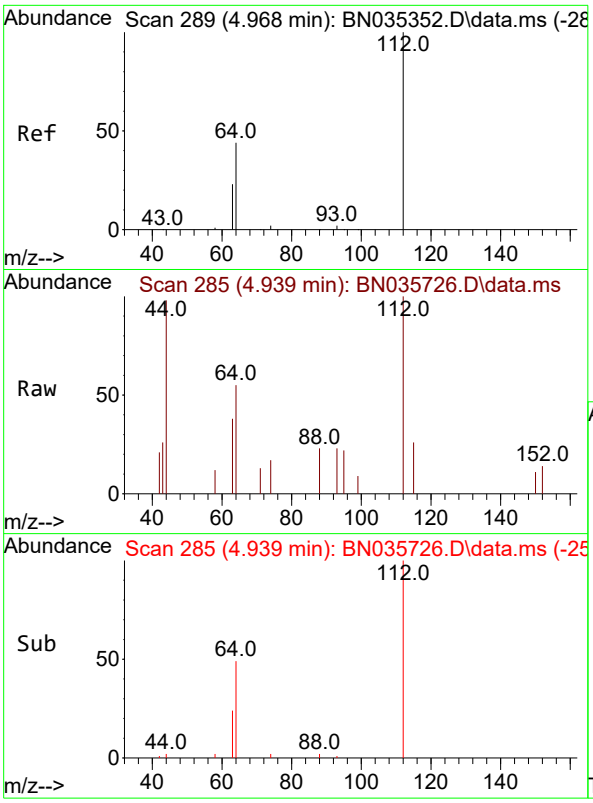


#2
1,4-Dioxane
Concen: 7.078 ng
RT: 2.974 min Scan# 13
Delta R.T. -0.007 min
Lab File: BN035726.D
Acq: 20 Dec 2024 04:22

Tgt Ion: 88 Resp: 19948

Ion	Ratio	Lower	Upper
88	100		
43	20.6	17.2	25.8
58	54.5	44.5	66.7



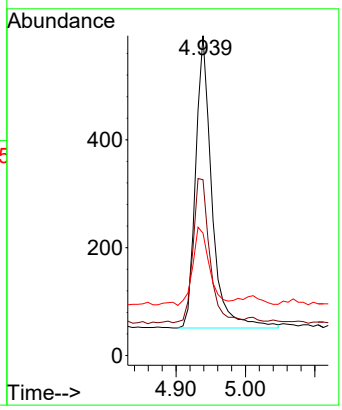


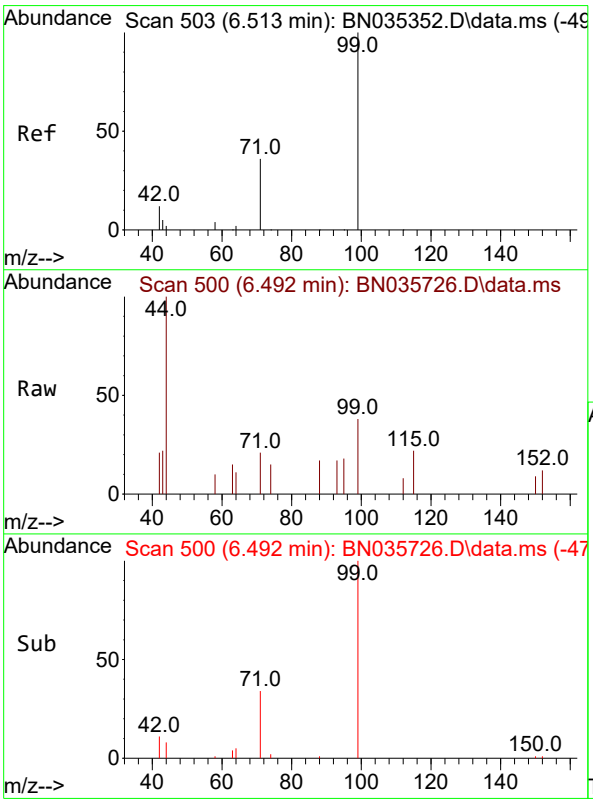
#4
2-Fluorophenol
Concen: 0.120 ng
RT: 4.939 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035726.D
Acq: 20 Dec 2024 04:22

Instrument :
BNA_N
ClientSampleId :
RE125D2-20241210

Tgt Ion:112 Resp: 882

Ion	Ratio	Lower	Upper
112	100		
64	50.2	39.8	59.8
63	27.0	21.0	31.6

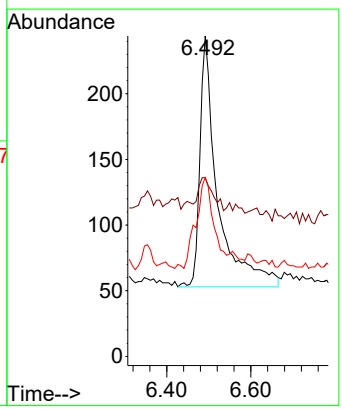


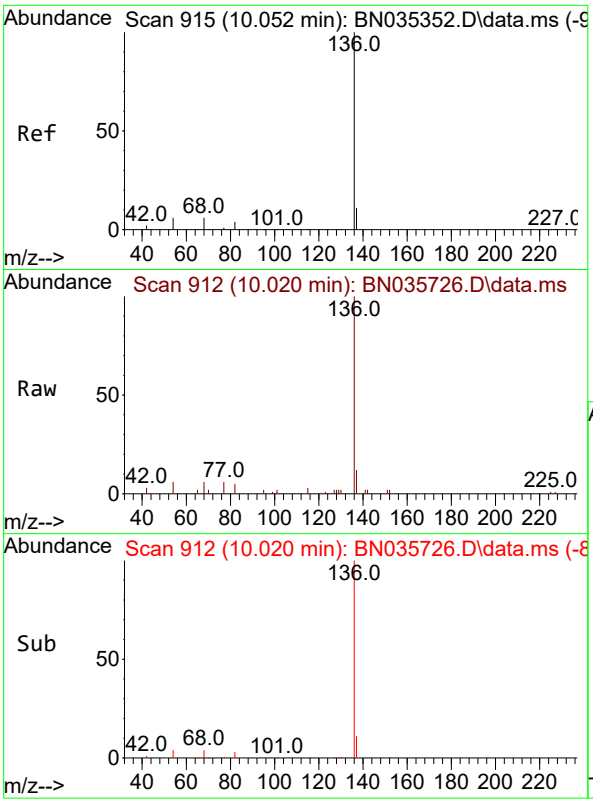


#5
Phenol-d6
Concen: 0.063 ng
RT: 6.492 min Scan# 500
Delta R.T. -0.000 min
Lab File: BN035726.D
Acq: 20 Dec 2024 04:22

Tgt Ion: 99 Resp: 557

Ion	Ratio	Lower	Upper
99	100		
42	9.0	11.4	17.2#
71	36.6	29.3	43.9



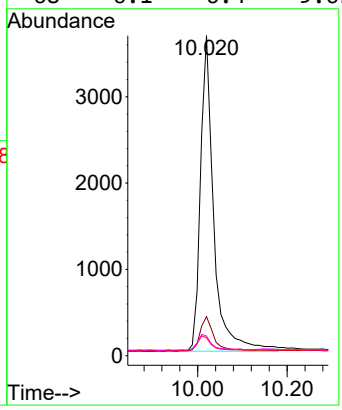


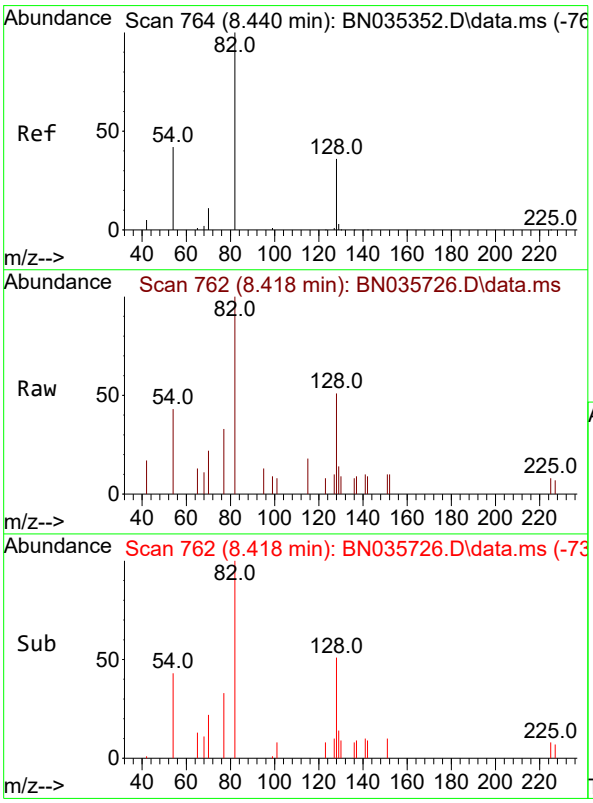
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.020 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN035726.D
Acq: 20 Dec 2024 04:22

Instrument :
BNA_N
ClientSampleId :
RE125D2-20241210

Tgt Ion:136 Resp: 7525

Ion	Ratio	Lower	Upper
136	100		
137	12.2	10.2	15.2
54	5.6	6.1	9.1#
68	6.1	6.4	9.6#

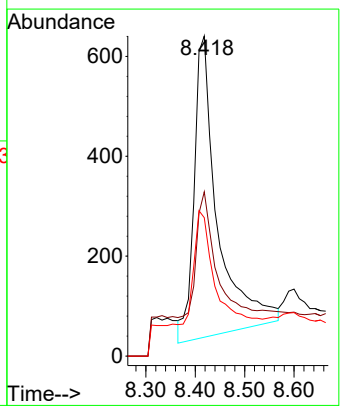


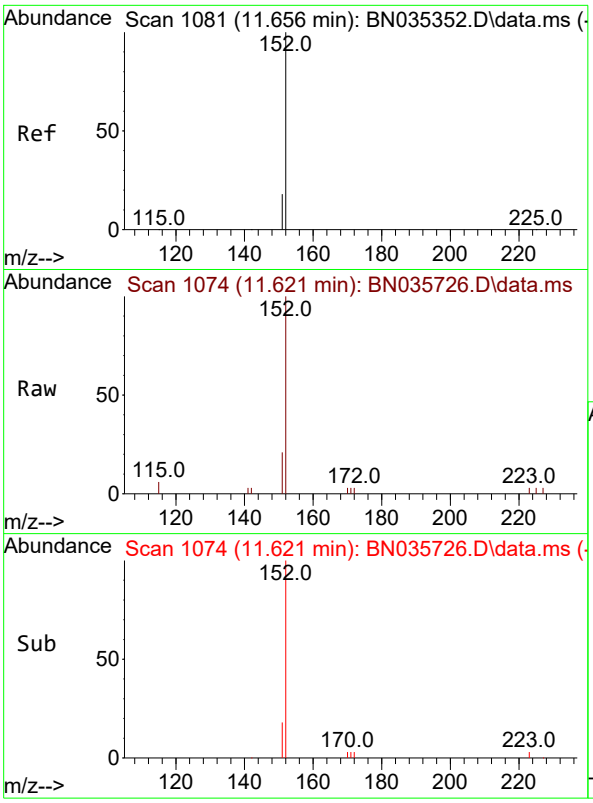


#8
Nitrobenzene-d5
Concen: 0.434 ng
RT: 8.418 min Scan# 762
Delta R.T. 0.010 min
Lab File: BN035726.D
Acq: 20 Dec 2024 04:22

Tgt Ion: 82 Resp: 1995

Ion	Ratio	Lower	Upper
82	100		
128	51.3	33.4	50.0#
54	43.2	36.7	55.1



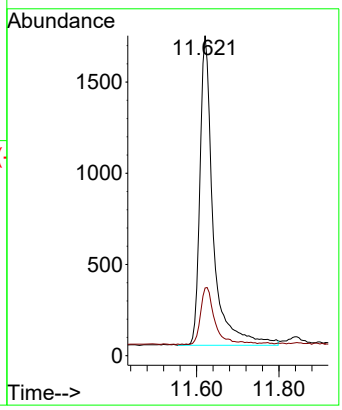


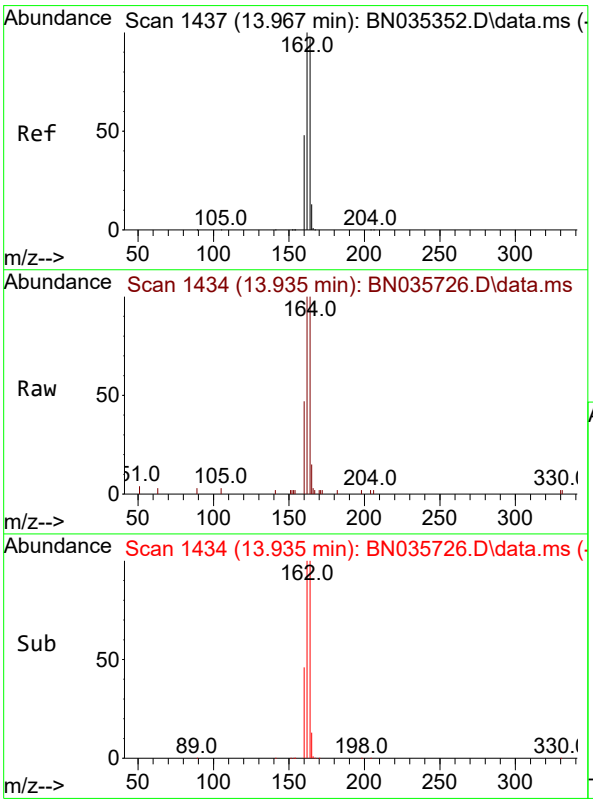
#11
2-Methylnaphthalene-d10
Concen: 0.324 ng
RT: 11.621 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035726.D
Acq: 20 Dec 2024 04:22

Instrument :
BNA_N
ClientSampleId :
RE125D2-20241210

Tgt Ion:152 Resp: 3810

Ion	Ratio	Lower	Upper
152	100		
151	19.2	16.6	25.0

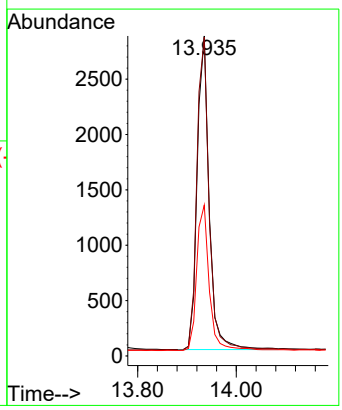


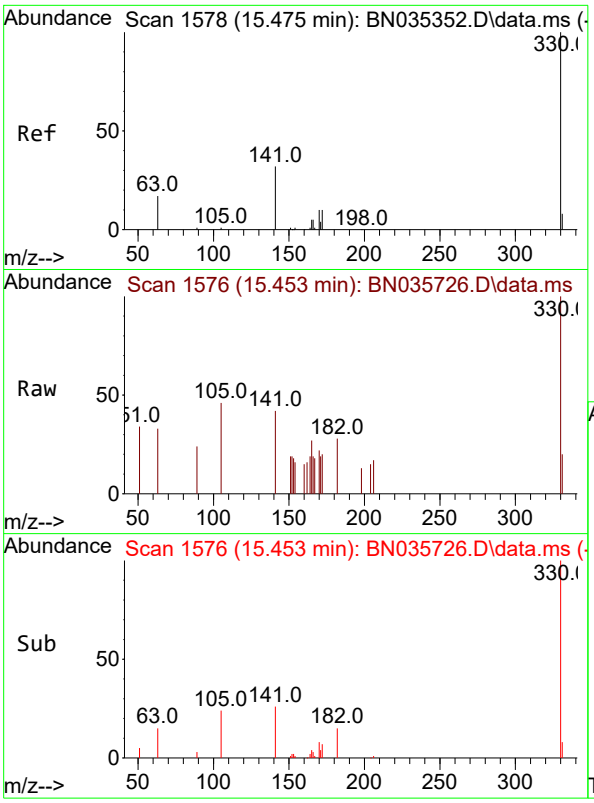


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.935 min Scan# 1434
Delta R.T. -0.000 min
Lab File: BN035726.D
Acq: 20 Dec 2024 04:22

Tgt Ion:164 Resp: 4789

Ion	Ratio	Lower	Upper
164	100		
162	99.6	82.2	123.2
160	47.1	40.1	60.1



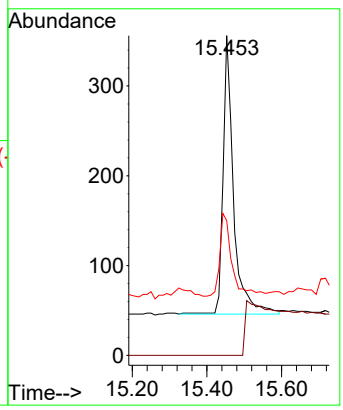


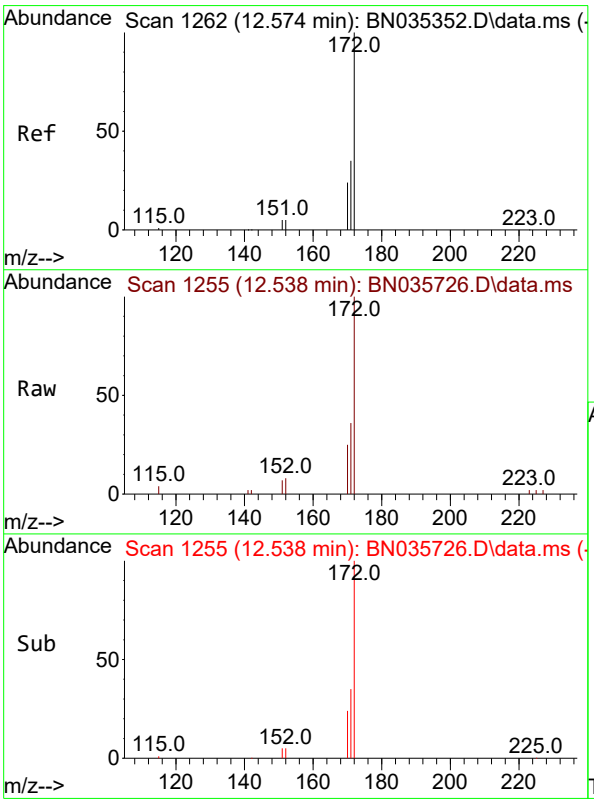
#14
2,4,6-Tribromophenol
Concen: 0.186 ng
RT: 15.453 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035726.D
Acq: 20 Dec 2024 04:22

Instrument :
BNA_N
ClientSampleId :
RE125D2-20241210

Tgt Ion:330 Resp: 632

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	33.9	26.6	40.0

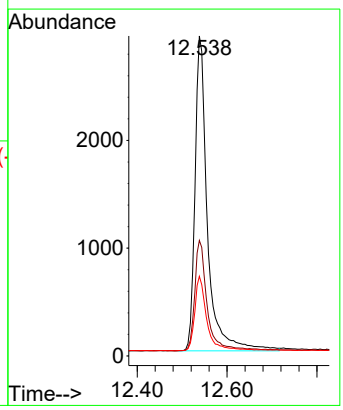


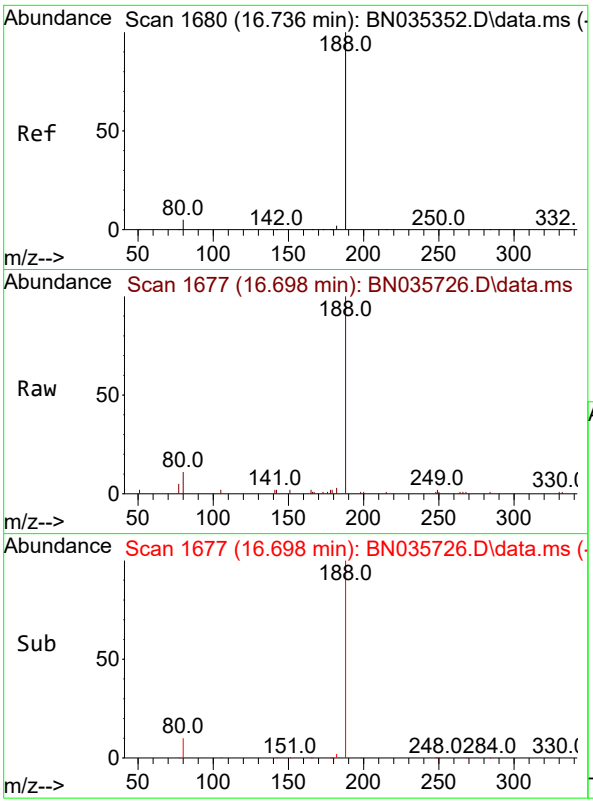


#15
2-Fluorobiphenyl
Concen: 0.311 ng
RT: 12.538 min Scan# 1255
Delta R.T. -0.005 min
Lab File: BN035726.D
Acq: 20 Dec 2024 04:22

Tgt Ion:172 Resp: 5628

Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.0	43.4
170	24.9	19.8	29.8



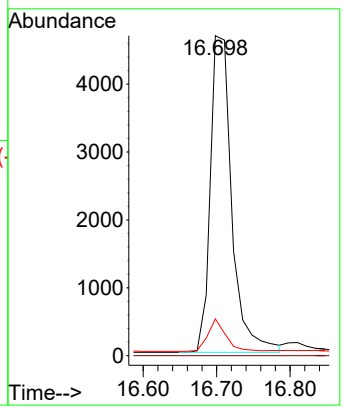


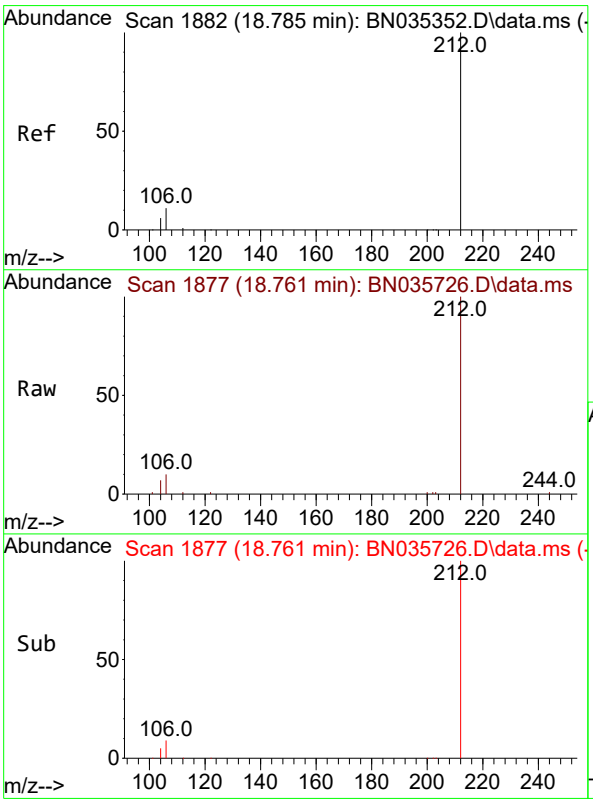
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.698 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN035726.D
Acq: 20 Dec 2024 04:22

Instrument :
BNA_N
ClientSampleId :
RE125D2-20241210

Tgt Ion:188 Resp: 9505

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.5	4.6	6.8#

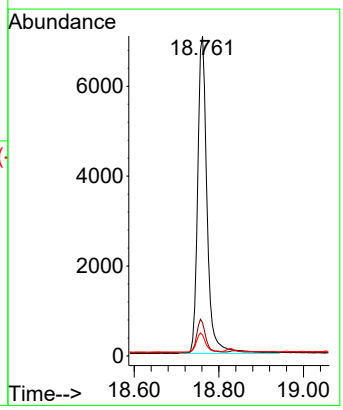


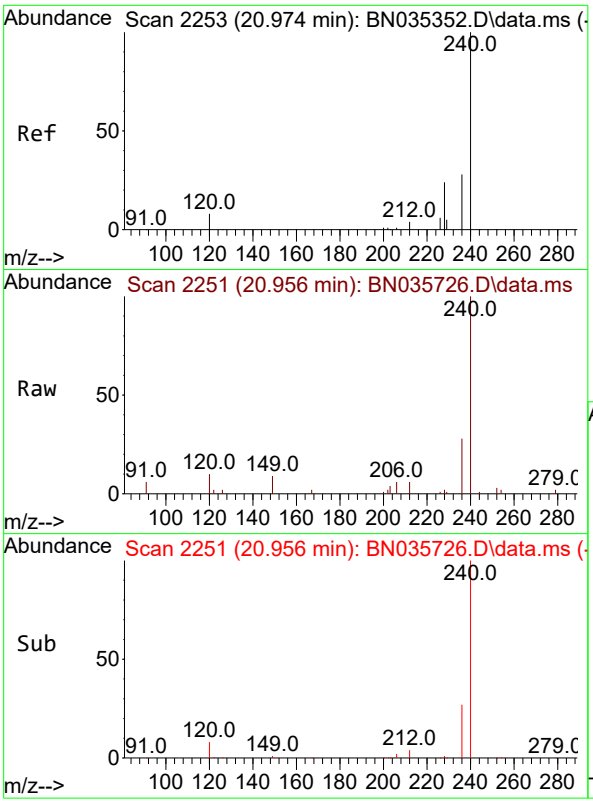


#27
Fluoranthene-d10
Concen: 0.405 ng
RT: 18.761 min Scan# 1877
Delta R.T. -0.000 min
Lab File: BN035726.D
Acq: 20 Dec 2024 04:22

Tgt Ion:212 Resp: 10917

Ion	Ratio	Lower	Upper
212	100		
106	10.1	9.2	13.8
104	5.8	5.3	7.9



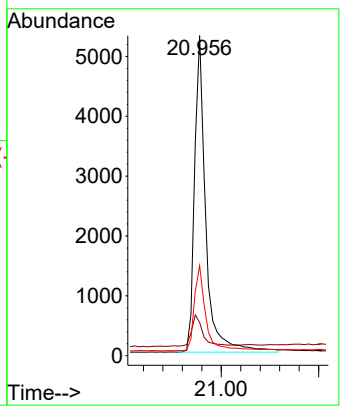


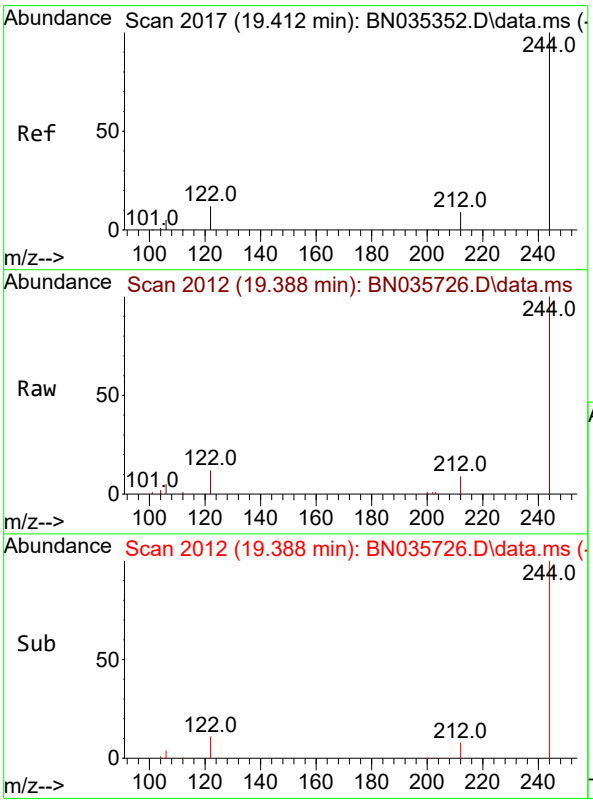
#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.956 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035726.D
Acq: 20 Dec 2024 04:22

Instrument :
BNA_N
ClientSampleId :
RE125D2-20241210

Tgt Ion:240 Resp: 8457

Ion	Ratio	Lower	Upper
240	100		
120	10.3	7.9	11.9
236	28.1	22.9	34.3

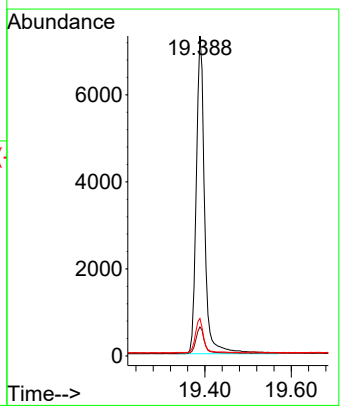


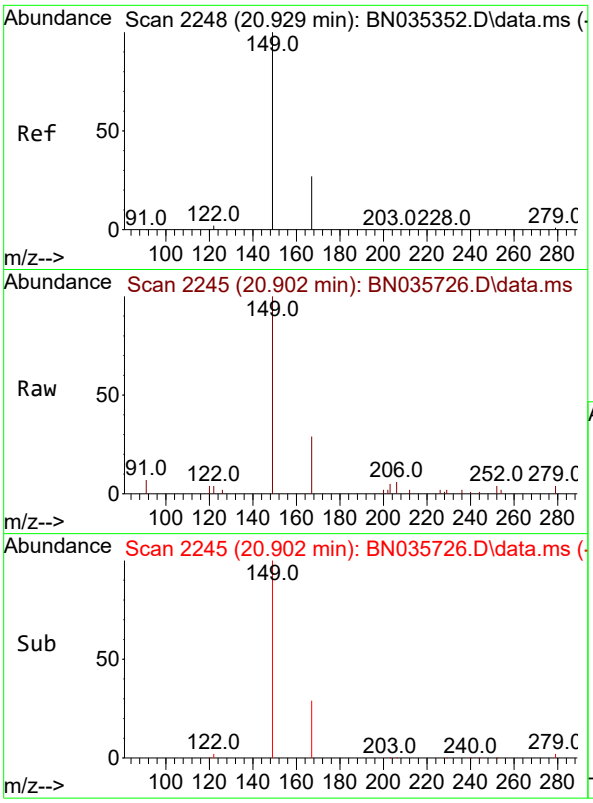


#31
Terphenyl-d14
Concen: 0.591 ng
RT: 19.388 min Scan# 2012
Delta R.T. -0.000 min
Lab File: BN035726.D
Acq: 20 Dec 2024 04:22

Tgt Ion:244 Resp: 9852

Ion	Ratio	Lower	Upper
244	100		
212	9.1	8.1	12.1
122	11.7	10.3	15.5



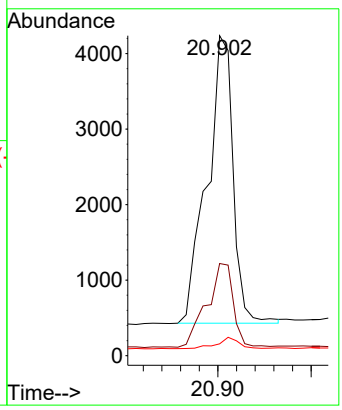


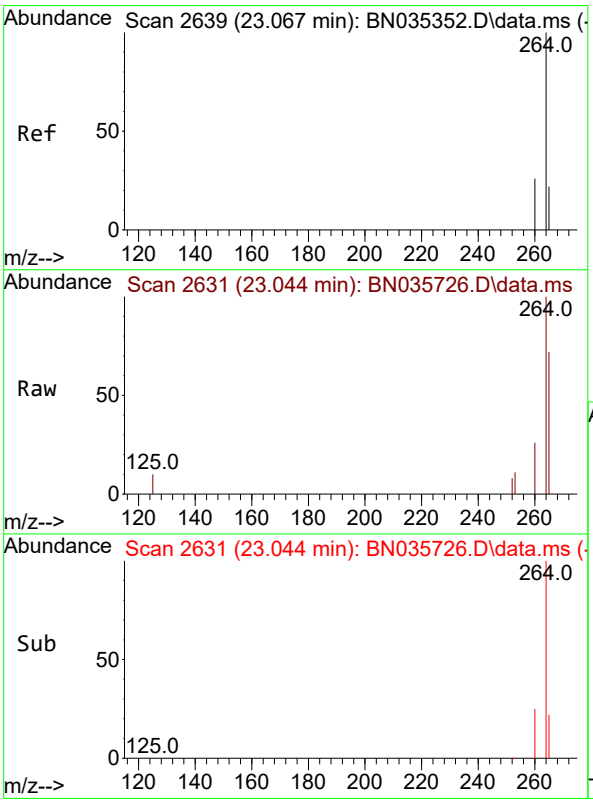
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.629 ng
RT: 20.902 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN035726.D
Acq: 20 Dec 2024 04:22

Instrument :
BNA_N
ClientSampleId :
RE125D2-20241210

Tgt Ion:149 Resp: 7348

Ion	Ratio	Lower	Upper
149	100		
167	29.7	22.2	33.4
279	3.2	2.7	4.1

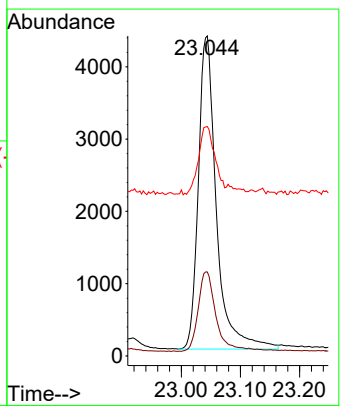




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.044 min Scan# 2631
Delta R.T. 0.003 min
Lab File: BN035726.D
Acq: 20 Dec 2024 04:22

Tgt Ion:264 Resp: 9186

Ion	Ratio	Lower	Upper
264	100		
260	26.2	21.4	32.2
265	71.7	40.2	60.4#



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035727.D
Acq On : 20 Dec 2024 04:58
Operator : RC/JU
Sample : P5261-17
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE120D1-20241210

Quant Time: Dec 20 05:26:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

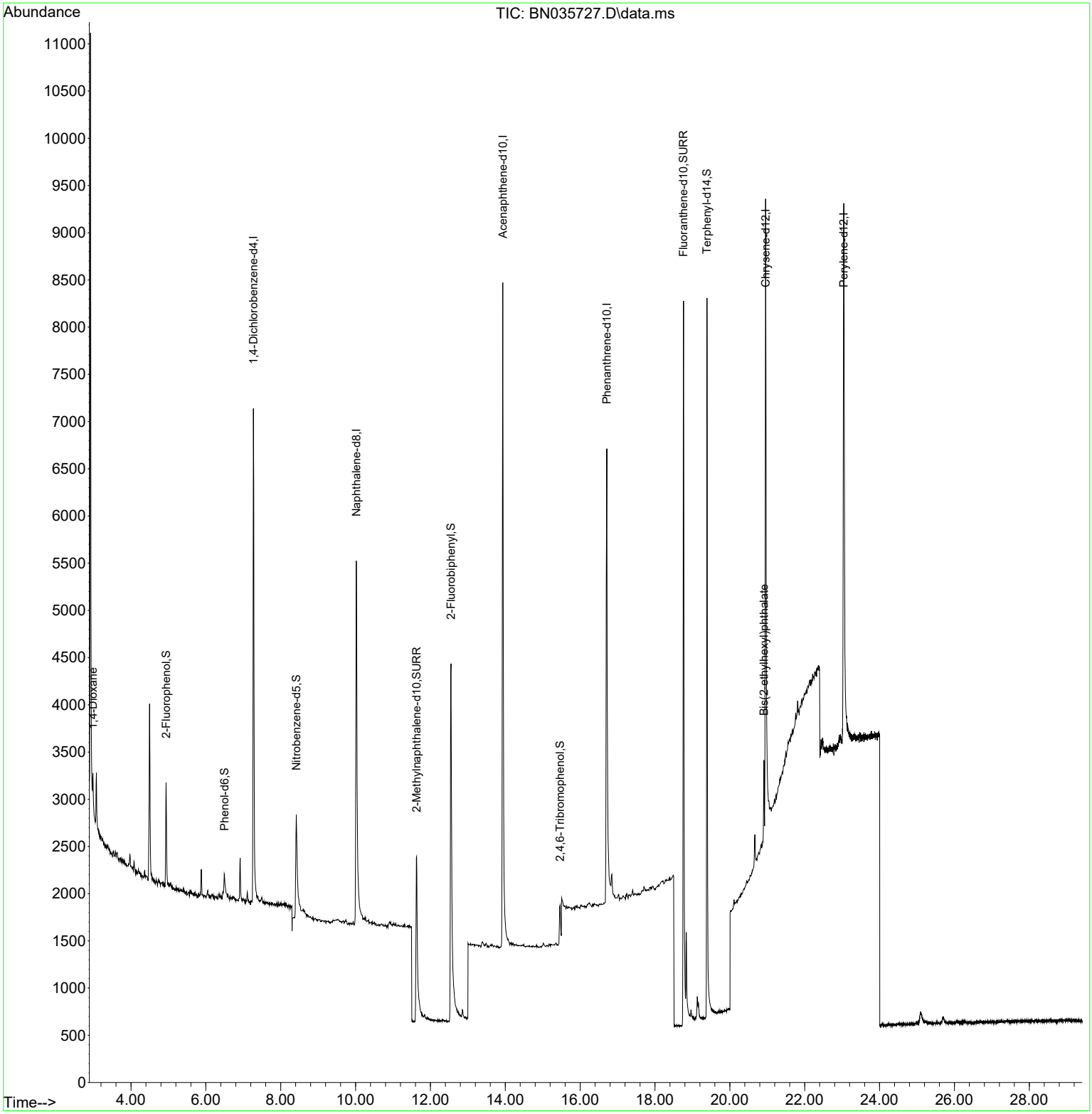
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.271	152	2945	0.400	ng	0.00
7) Naphthalene-d8	10.020	136	7549	0.400	ng	0.00
13) Acenaphthene-d10	13.935	164	4981	0.400	ng	0.00
19) Phenanthrene-d10	16.711	188	9724	0.400	ng	# 0.01
29) Chrysene-d12	20.956	240	8463	0.400	ng	# 0.00
35) Perylene-d12	23.044	264	8724	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.939	112	947	0.128	ng	0.00
5) Phenol-d6	6.499	99	510	0.058	ng	0.00
8) Nitrobenzene-d5	8.418	82	2104	0.456	ng	0.01
11) 2-Methylnaphthalene-d10	11.631	152	4408	0.373	ng	0.00
14) 2,4,6-Tribromophenol	15.464	330	660	0.187	ng	0.01
15) 2-Fluorobiphenyl	12.549	172	6271	0.333	ng	0.00
27) Fluoranthene-d10	18.761	212	11167	0.405	ng	0.00
31) Terphenyl-d14	19.388	244	8979	0.538	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.981	88	286	0.102	ng	# 75
34) Bis(2-ethylhexyl)phtha...	20.911	149	793	0.068	ng	# 97

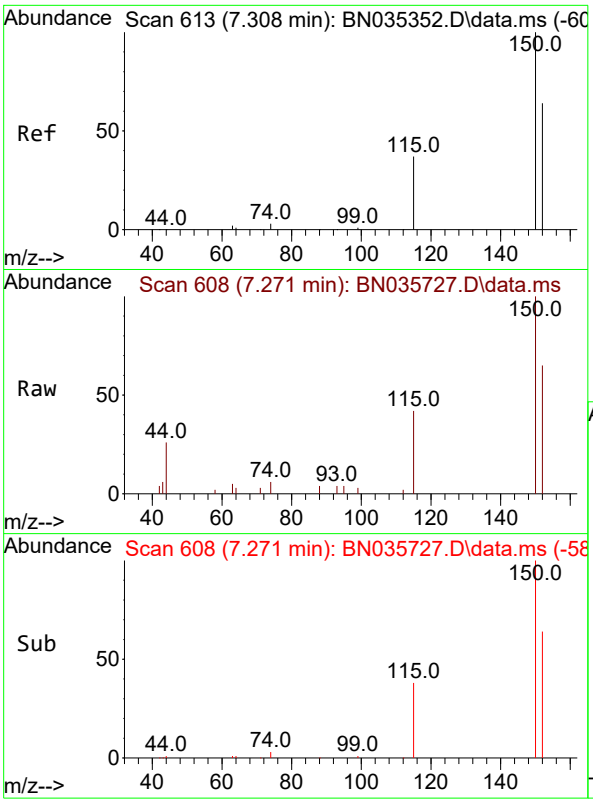
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035727.D
Acq On : 20 Dec 2024 04:58
Operator : RC/JU
Sample : P5261-17
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE120D1-20241210

Quant Time: Dec 20 05:26:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration



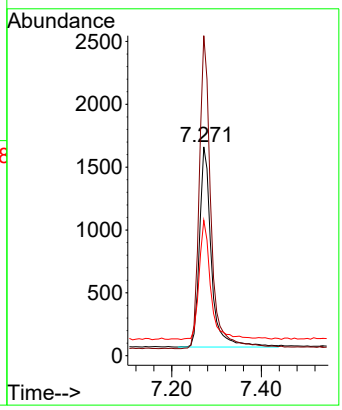


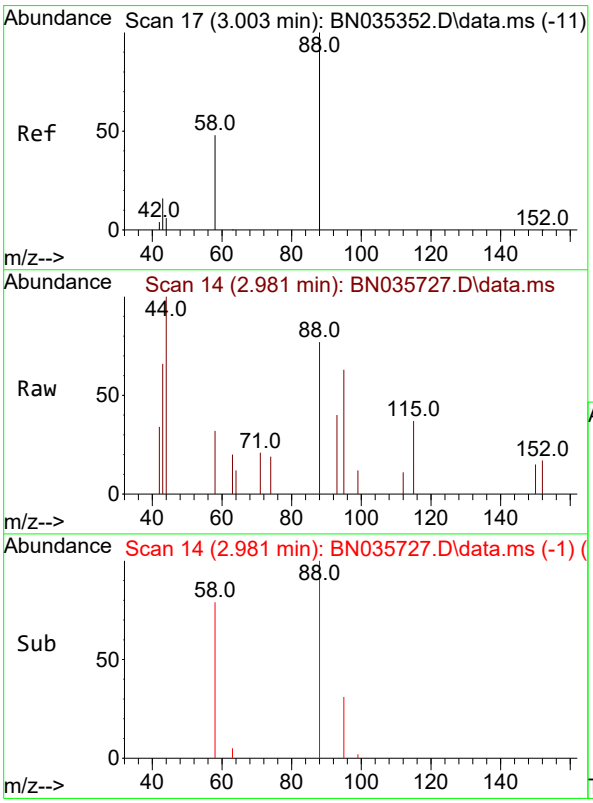
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.271 min Scan# 6
Delta R.T. -0.001 min
Lab File: BN035727.D
Acq: 20 Dec 2024 04:58

Instrument :
BNA_N
ClientSampleId :
RE120D1-20241210

Tgt Ion:152 Resp: 2945

Ion	Ratio	Lower	Upper
152	100		
150	153.3	124.0	186.0
115	64.8	49.6	74.4

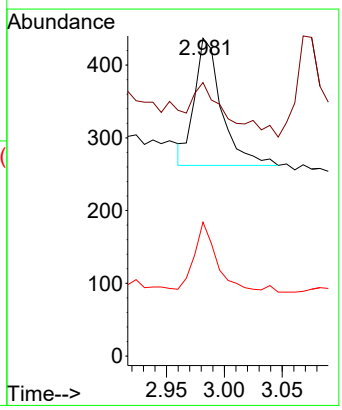


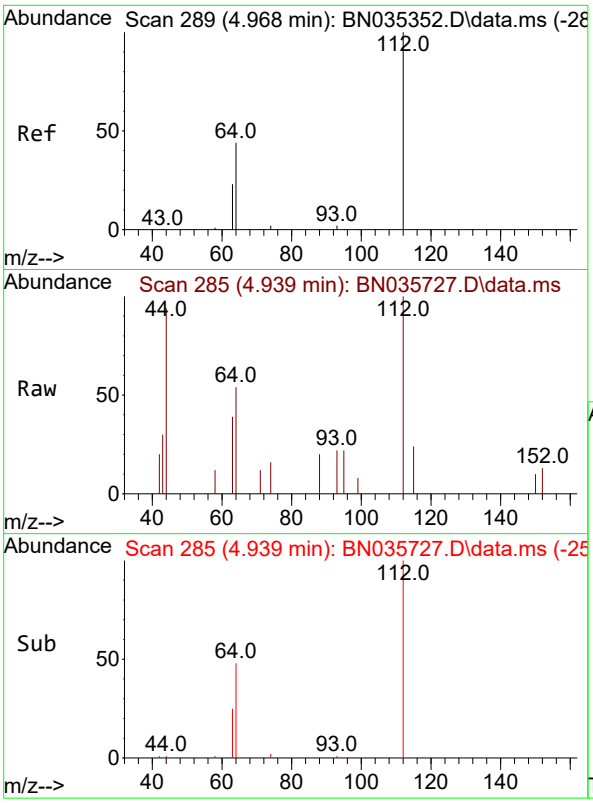


#2
1,4-Dioxane
Concen: 0.102 ng
RT: 2.981 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035727.D
Acq: 20 Dec 2024 04:58

Tgt Ion: 88 Resp: 286

Ion	Ratio	Lower	Upper
88	100		
43	51.7	17.2	25.8#
58	47.9	44.5	66.7



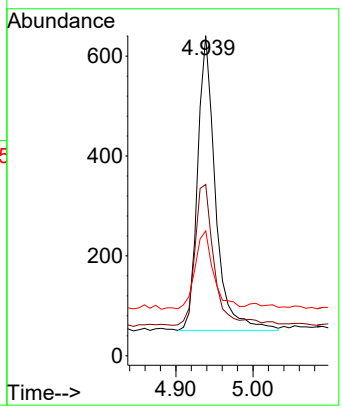


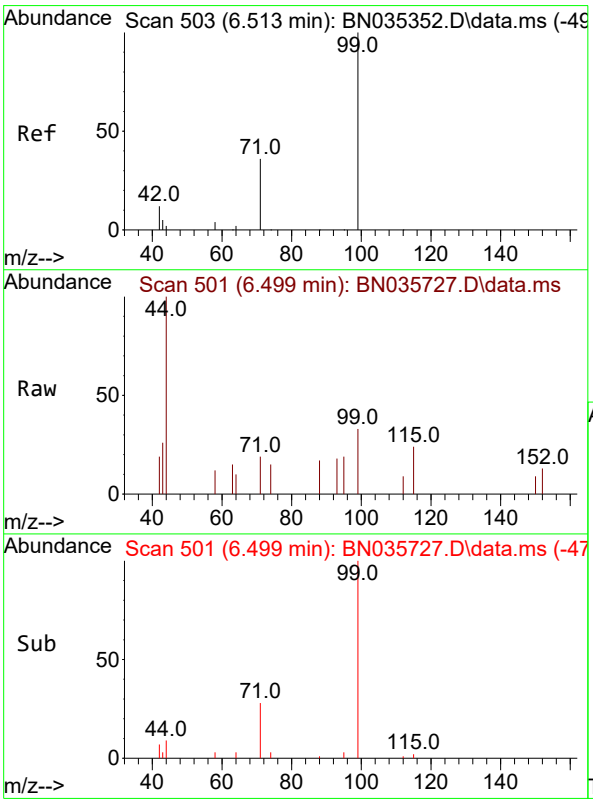
#4
2-Fluorophenol
Concen: 0.128 ng
RT: 4.939 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035727.D
Acq: 20 Dec 2024 04:58

Instrument :
BNA_N
ClientSampleId :
RE120D1-20241210

Tgt Ion:112 Resp: 947

Ion	Ratio	Lower	Upper
112	100		
64	51.8	39.8	59.8
63	27.7	21.0	31.6

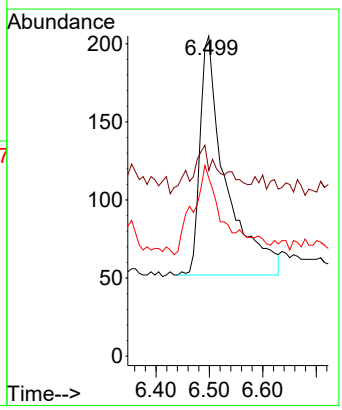


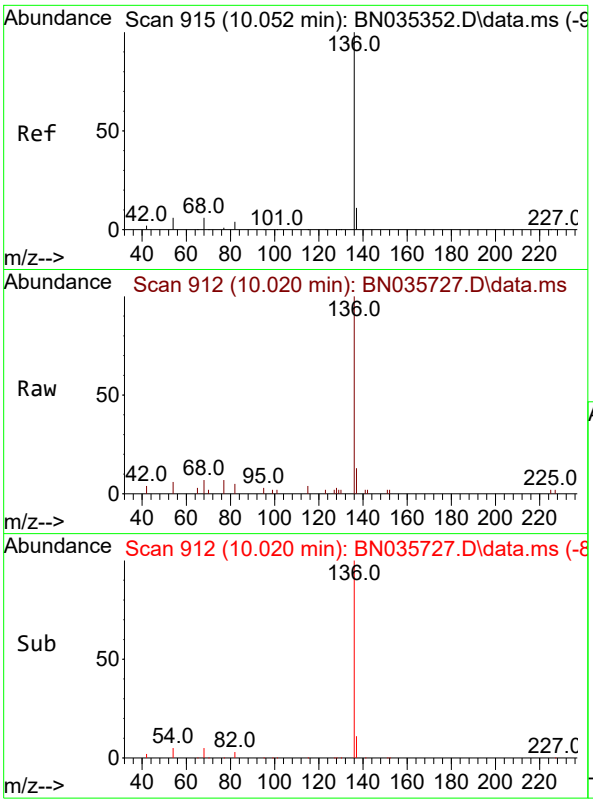


#5
Phenol-d6
Concen: 0.058 ng
RT: 6.499 min Scan# 501
Delta R.T. 0.007 min
Lab File: BN035727.D
Acq: 20 Dec 2024 04:58

Tgt Ion: 99 Resp: 510

Ion	Ratio	Lower	Upper
99	100		
42	9.8	11.4	17.2#
71	42.2	29.3	43.9



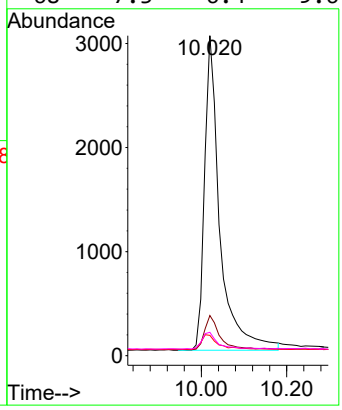


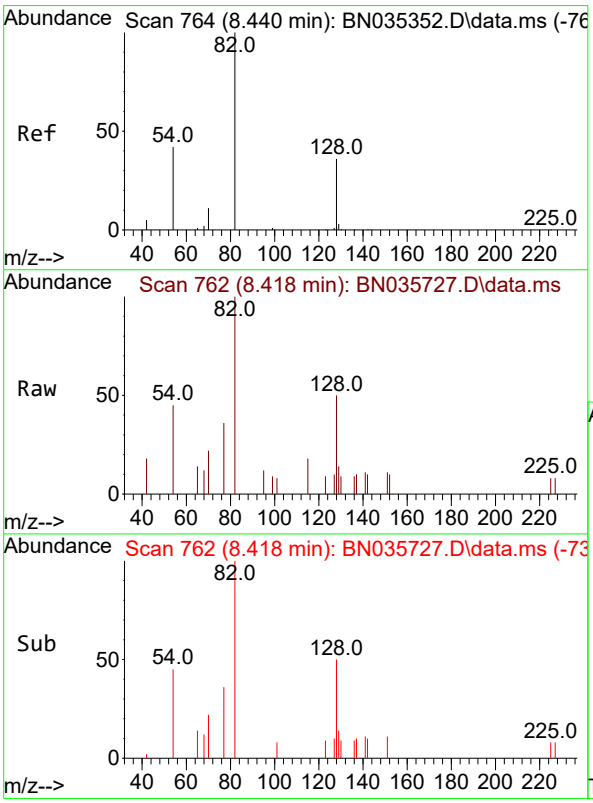
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.020 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN035727.D
Acq: 20 Dec 2024 04:58

Instrument :
BNA_N
ClientSampleId :
RE120D1-20241210

Tgt Ion:136 Resp: 7549

Ion	Ratio	Lower	Upper
136	100		
137	12.6	10.2	15.2
54	6.4	6.1	9.1
68	7.3	6.4	9.6

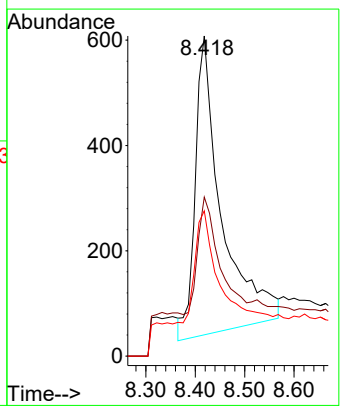


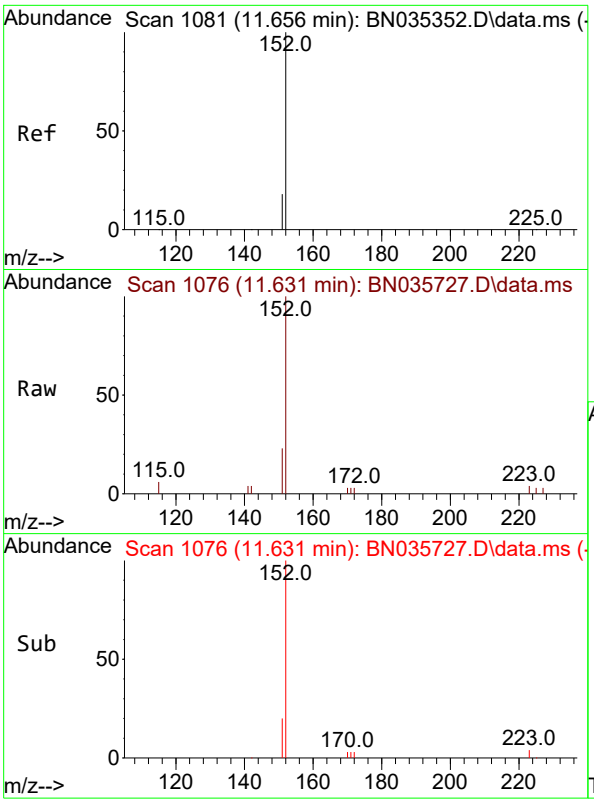


#8
Nitrobenzene-d5
Concen: 0.456 ng
RT: 8.418 min Scan# 762
Delta R.T. 0.010 min
Lab File: BN035727.D
Acq: 20 Dec 2024 04:58

Tgt Ion: 82 Resp: 2104

Ion	Ratio	Lower	Upper
82	100		
128	49.7	33.4	50.0
54	45.4	36.7	55.1



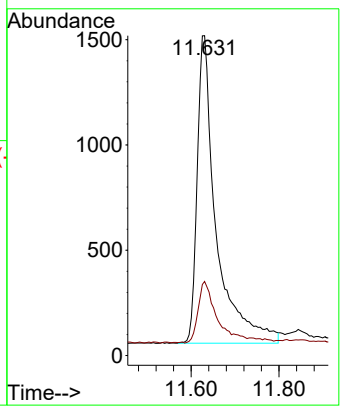


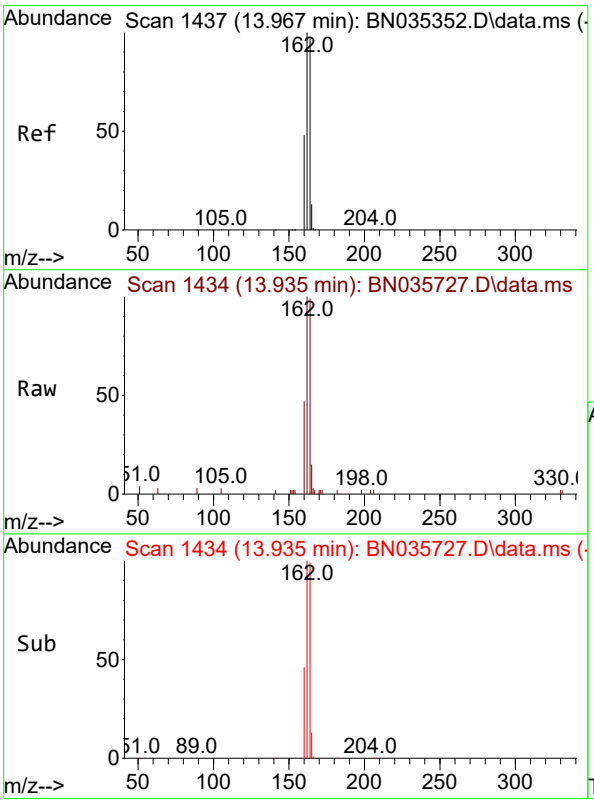
#11
2-Methylnaphthalene-d10
Concen: 0.373 ng
RT: 11.631 min Scan# 1
Delta R.T. 0.010 min
Lab File: BN035727.D
Acq: 20 Dec 2024 04:58

Instrument :
BNA_N
ClientSampleId :
RE120D1-20241210

Tgt Ion:152 Resp: 4408

Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.6	25.0

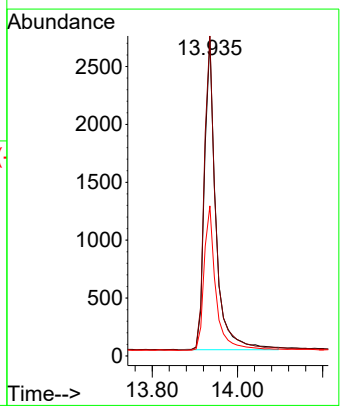


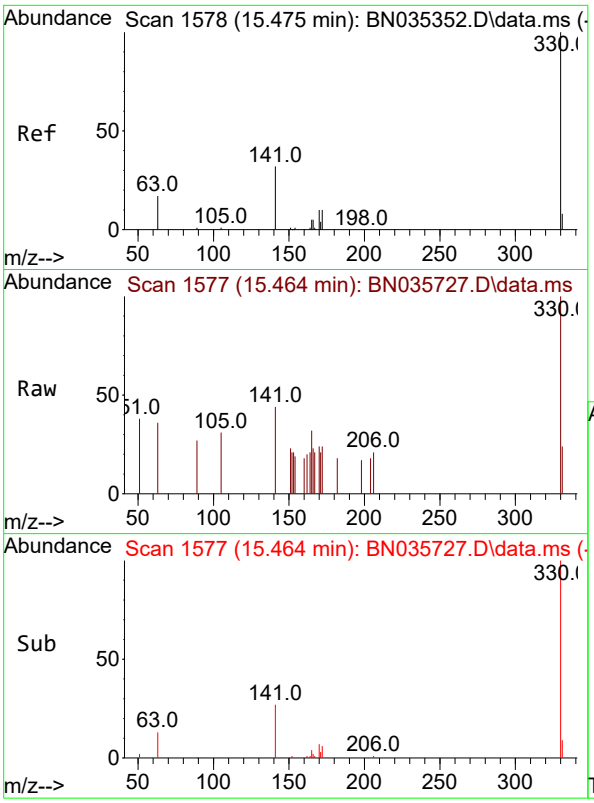


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.935 min Scan# 1434
Delta R.T. -0.000 min
Lab File: BN035727.D
Acq: 20 Dec 2024 04:58

Tgt Ion:164 Resp: 4981

Ion	Ratio	Lower	Upper
164	100		
162	101.2	82.2	123.2
160	47.5	40.1	60.1



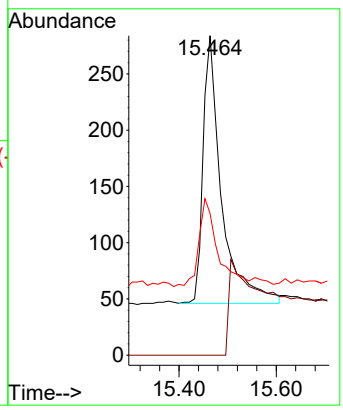


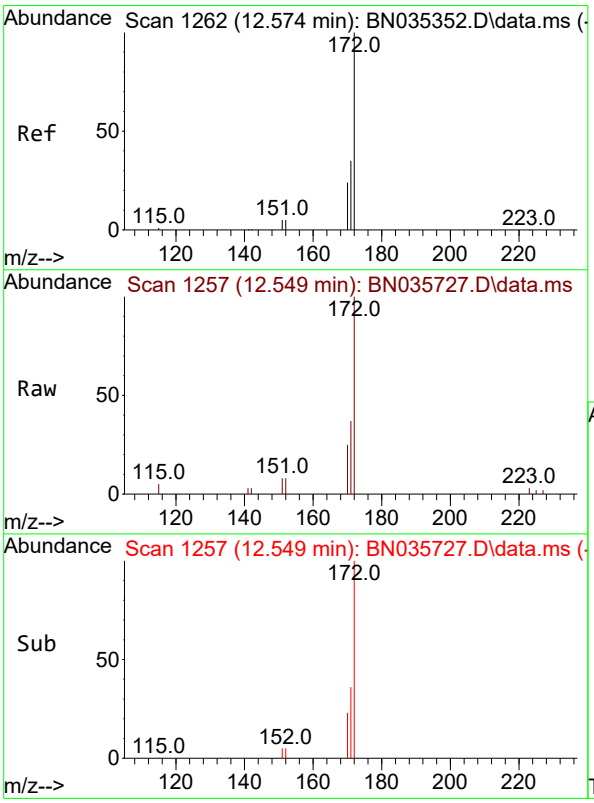
#14
2,4,6-Tribromophenol
Concen: 0.187 ng
RT: 15.464 min Scan# 1
Delta R.T. 0.010 min
Lab File: BN035727.D
Acq: 20 Dec 2024 04:58

Instrument :
BNA_N
ClientSampleId :
RE120D1-20241210

Tgt Ion:330 Resp: 660

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	32.4	26.6	40.0

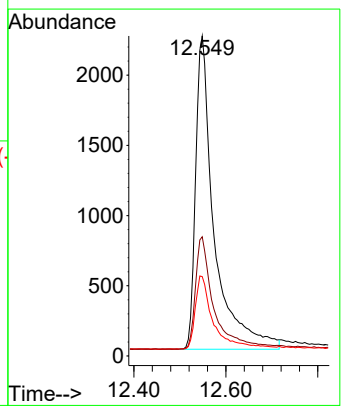


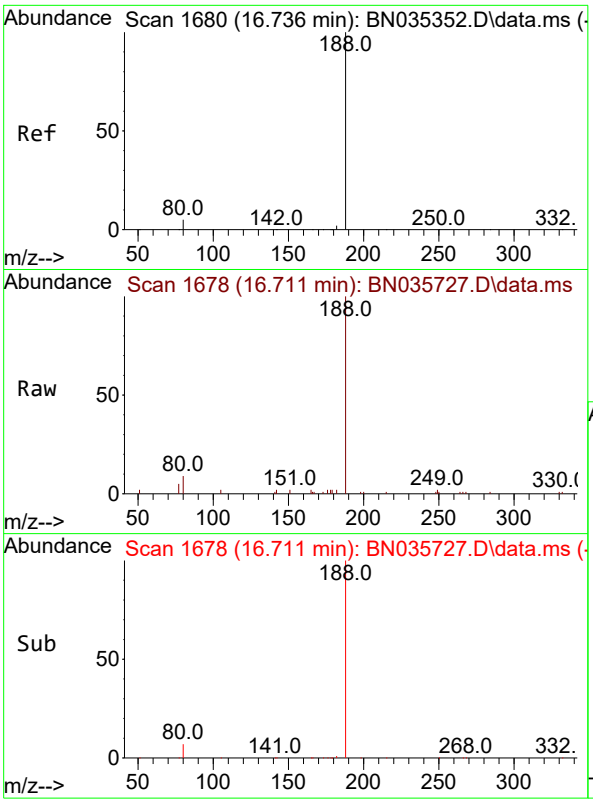


#15
2-Fluorobiphenyl
Concen: 0.333 ng
RT: 12.549 min Scan# 1257
Delta R.T. 0.005 min
Lab File: BN035727.D
Acq: 20 Dec 2024 04:58

Tgt Ion:172 Resp: 6271

Ion	Ratio	Lower	Upper
172	100		
171	37.3	29.0	43.4
170	24.8	19.8	29.8



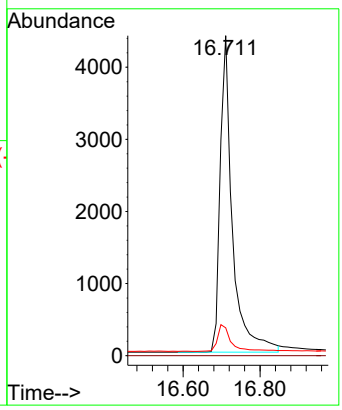


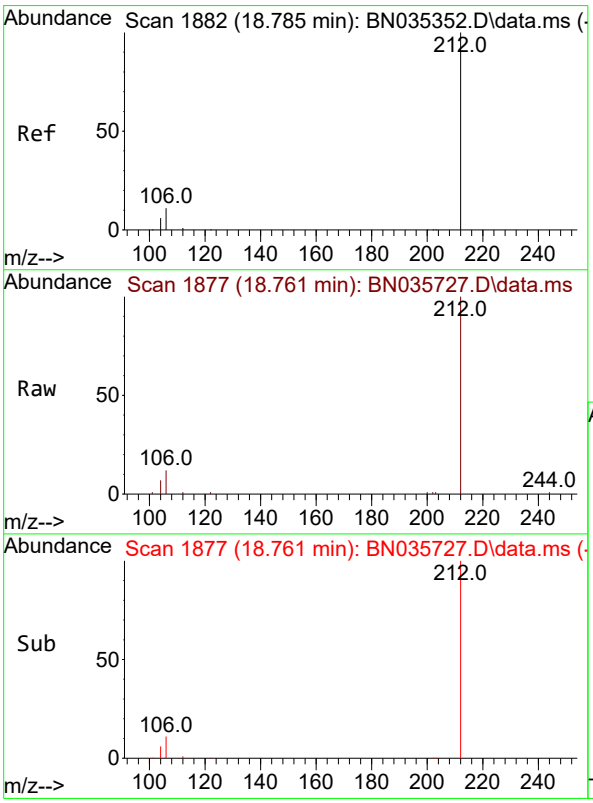
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.711 min Scan# 1(
Delta R.T. 0.012 min
Lab File: BN035727.D
Acq: 20 Dec 2024 04:58

Instrument :
BNA_N
ClientSampleId :
RE120D1-20241210

Tgt Ion:188 Resp: 9724

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.7	4.6	6.8#

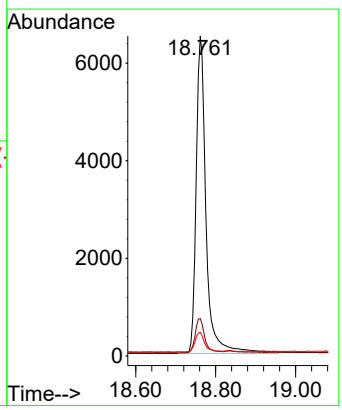


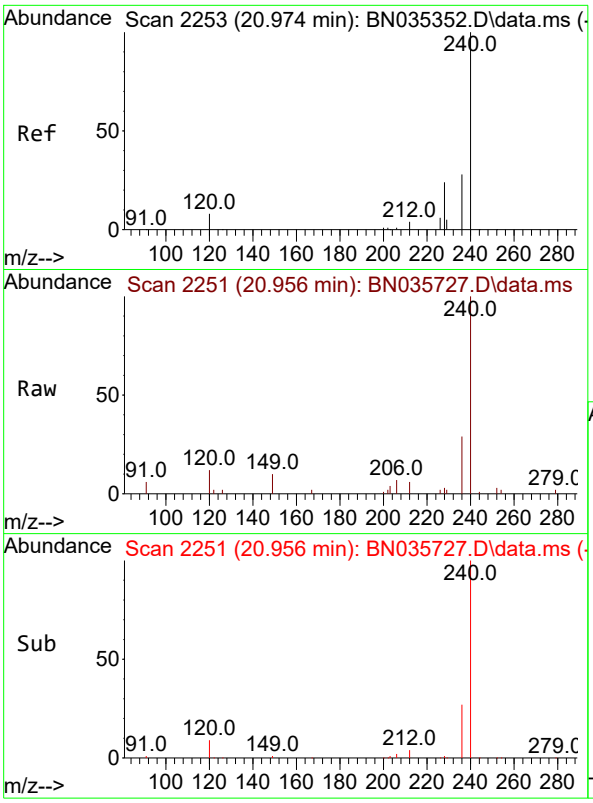


#27
Fluoranthene-d10
Concen: 0.405 ng
RT: 18.761 min Scan# 1877
Delta R.T. -0.000 min
Lab File: BN035727.D
Acq: 20 Dec 2024 04:58

Tgt Ion:212 Resp: 11167

Ion	Ratio	Lower	Upper
212	100		
106	10.4	9.2	13.8
104	5.9	5.3	7.9



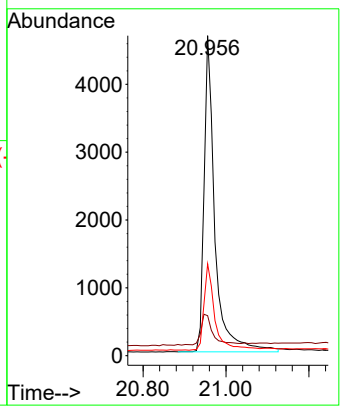


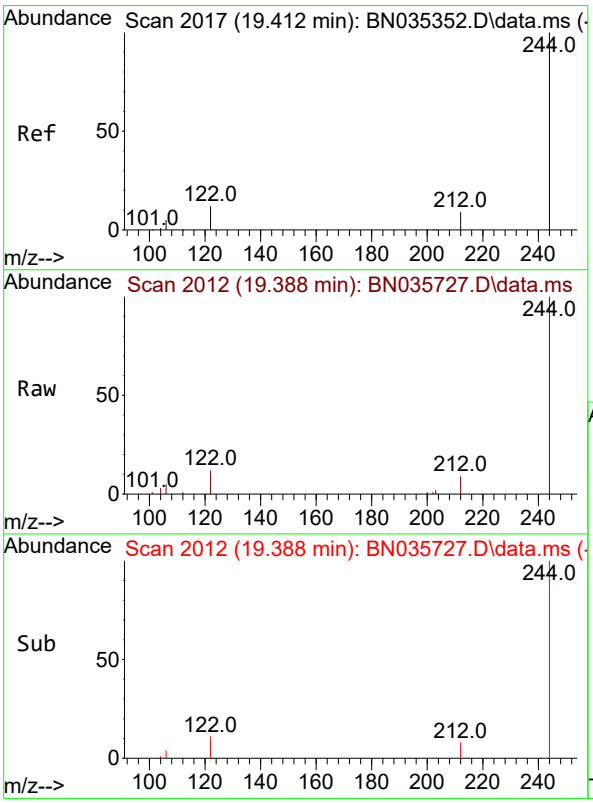
#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.956 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035727.D
Acq: 20 Dec 2024 04:58

Instrument :
BNA_N
ClientSampleId :
RE120D1-20241210

Tgt Ion:240 Resp: 8463

Ion	Ratio	Lower	Upper
240	100		
120	12.5	7.9	11.9#
236	28.7	22.9	34.3

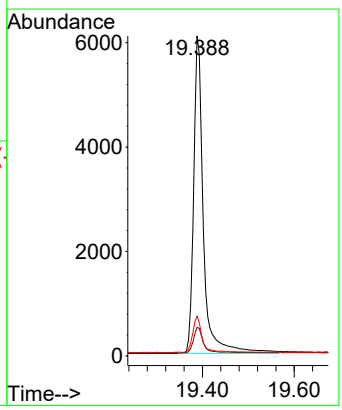


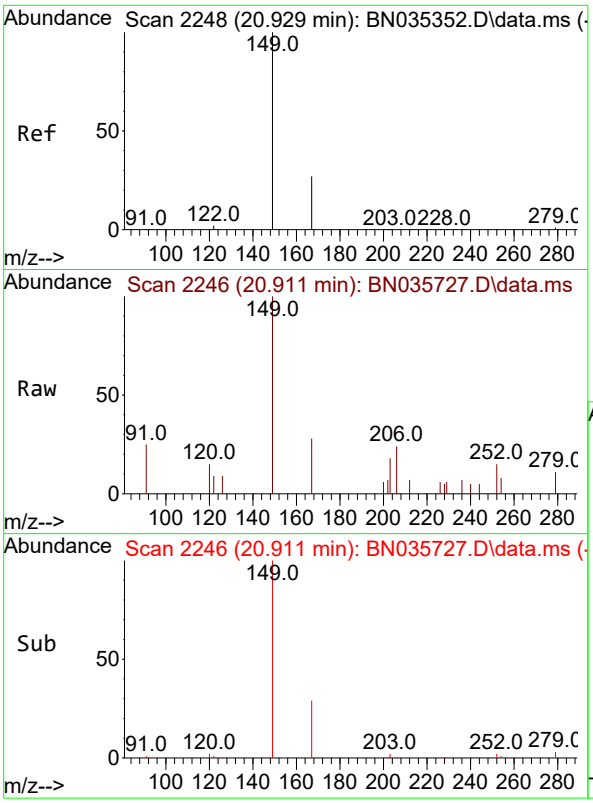


#31
Terphenyl-d14
Concen: 0.538 ng
RT: 19.388 min Scan# 2012
Delta R.T. -0.000 min
Lab File: BN035727.D
Acq: 20 Dec 2024 04:58

Tgt Ion:244 Resp: 8979

Ion	Ratio	Lower	Upper
244	100		
212	9.0	8.1	12.1
122	12.4	10.3	15.5



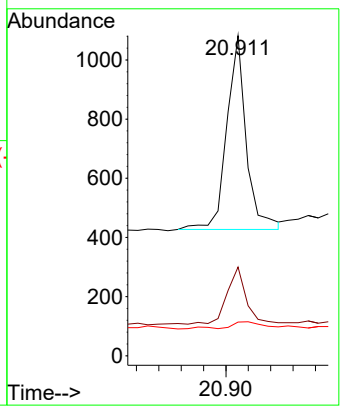


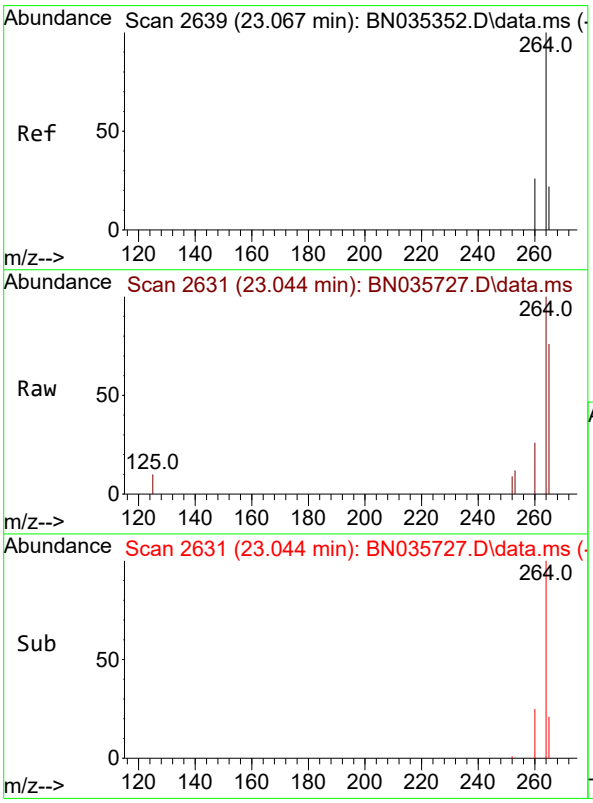
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.068 ng
RT: 20.911 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035727.D
Acq: 20 Dec 2024 04:58

Instrument :
BNA_N
ClientSampleId :
RE120D1-20241210

Tgt Ion:149 Resp: 793

Ion	Ratio	Lower	Upper
149	100		
167	29.3	22.2	33.4
279	6.4	2.7	4.1#

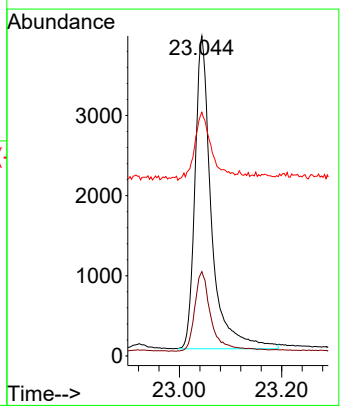




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.044 min Scan# 2631
Delta R.T. 0.003 min
Lab File: BN035727.D
Acq: 20 Dec 2024 04:58

Tgt Ion:264 Resp: 8724

Ion	Ratio	Lower	Upper
264	100		
260	26.4	21.4	32.2
265	76.1	40.2	60.4#



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035728.D
Acq On : 20 Dec 2024 05:34
Operator : RC/JU
Sample : PB165596BS
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB165596BS

Quant Time: Dec 20 05:56:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

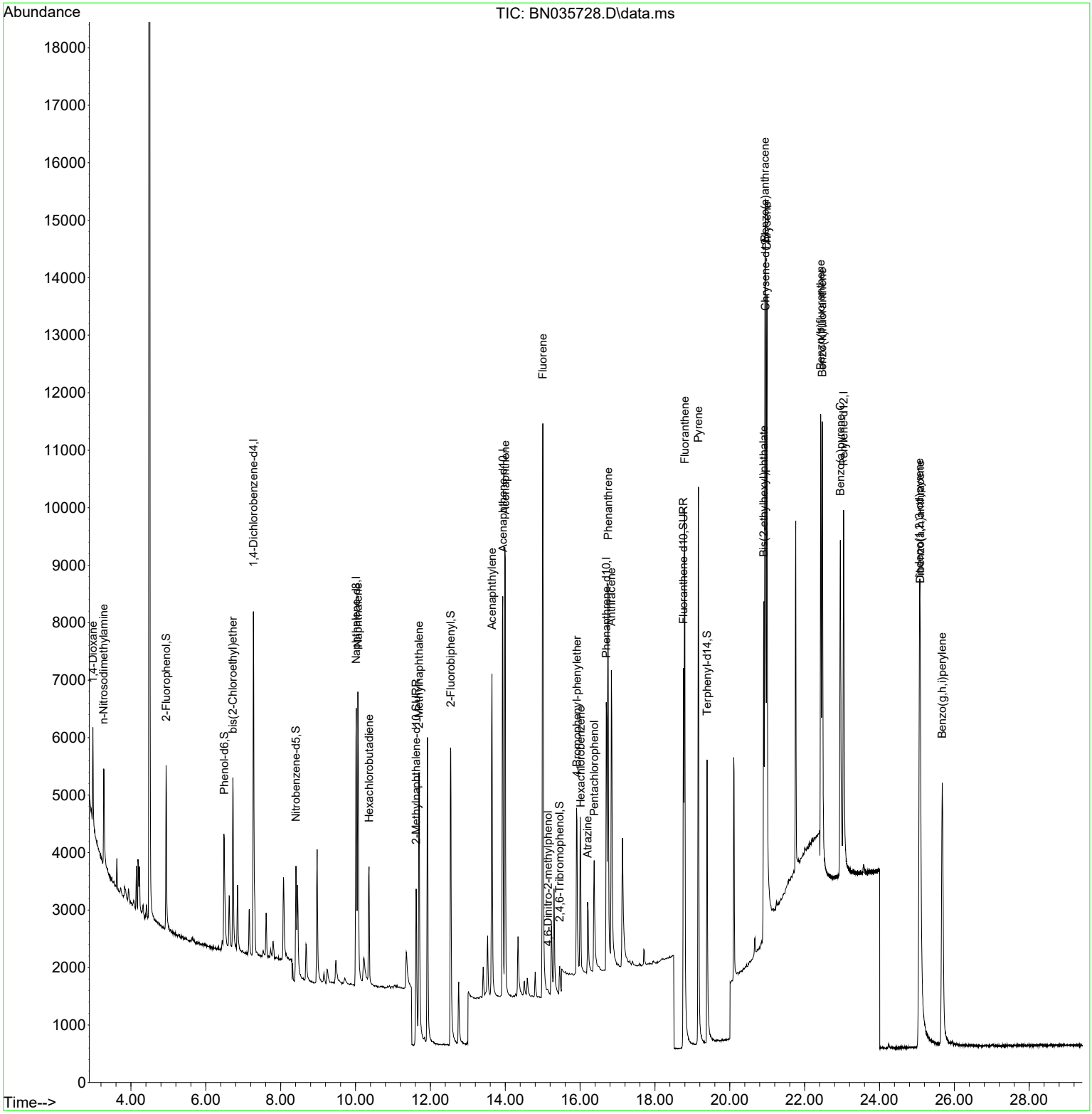
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.271	152	2951	0.400	ng	0.00
7) Naphthalene-d8	10.020	136	7713	0.400	ng	# 0.00
13) Acenaphthene-d10	13.935	164	4640	0.400	ng	0.00
19) Phenanthrene-d10	16.698	188	8678	0.400	ng	# 0.00
29) Chrysene-d12	20.956	240	8066	0.400	ng	0.00
35) Perylene-d12	23.041	264	8916	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.939	112	2478	0.336	ng	0.00
5) Phenol-d6	6.491	99	2705	0.305	ng	0.00
8) Nitrobenzene-d5	8.408	82	2433	0.516	ng	0.00
11) 2-Methylnaphthalene-d10	11.621	152	5532	0.458	ng	0.00
14) 2,4,6-Tribromophenol	15.453	330	599	0.182	ng	0.00
15) 2-Fluorobiphenyl	12.543	172	6241	0.356	ng	0.00
27) Fluoranthene-d10	18.761	212	9334	0.379	ng	0.00
31) Terphenyl-d14	19.393	244	6996	0.440	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.981	88	1038	0.368	ng	# 78
3) n-Nitrosodimethylamine	3.270	42	1014	0.432	ng	# 98
6) bis(2-Chloroethyl)ether	6.723	93	2623	0.351	ng	100
9) Naphthalene	10.063	128	7072	0.348	ng	99
10) Hexachlorobutadiene	10.361	225	1809	0.386	ng	# 100
12) 2-Methylnaphthalene	11.697	142	4509	0.310	ng	97
16) Acenaphthylene	13.646	152	7020	0.360	ng	100
17) Acenaphthene	13.999	154	4501	0.348	ng	99
18) Fluorene	15.004	166	5615	0.303	ng	100
20) 4,6-Dinitro-2-methylph...	15.143	198	66	0.077	ng	# 1
21) 4-Bromophenyl-phenylether	15.916	248	1712	0.337	ng	# 96
22) Hexachlorobenzene	16.015	284	2386	0.400	ng	97
23) Atrazine	16.202	200	1432	0.396	ng	92
24) Pentachlorophenol	16.375	266	1508	0.582	ng	# 84
25) Phenanthrene	16.748	178	8179	0.343	ng	99
26) Anthracene	16.835	178	7420	0.344	ng	100
28) Fluoranthene	18.794	202	9920	0.309	ng	100
30) Pyrene	19.161	202	10720	0.360	ng	99
32) Benzo(a)anthracene	20.938	228	9343	0.331	ng	99
33) Chrysene	20.991	228	11373	0.391	ng	99
34) Bis(2-ethylhexyl)phtha...	20.911	149	4399	0.395	ng	# 98
36) Indeno(1,2,3-cd)pyrene	25.067	276	13020	0.374	ng	95
37) Benzo(b)fluoranthene	22.430	252	14339	0.440	ng	94
38) Benzo(k)fluoranthene	22.471	252	11726	0.365	ng	95
39) Benzo(a)pyrene	22.953	252	10176	0.379	ng	# 91
40) Dibenzo(a,h)anthracene	25.087	278	9971	0.363	ng	95
41) Benzo(g,h,i)perylene	25.675	276	10457	0.364	ng	99

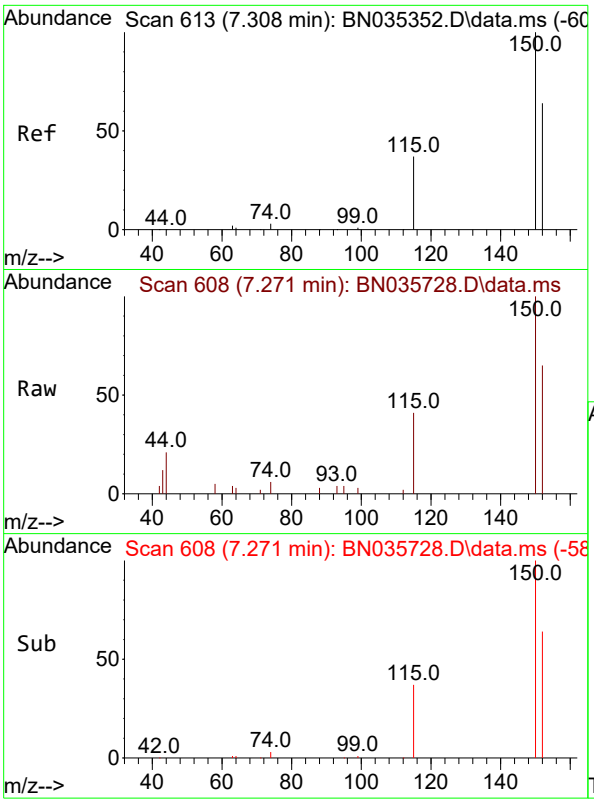
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035728.D
Acq On : 20 Dec 2024 05:34
Operator : RC/JU
Sample : PB165596BS
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB165596BS

Quant Time: Dec 20 05:56:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration



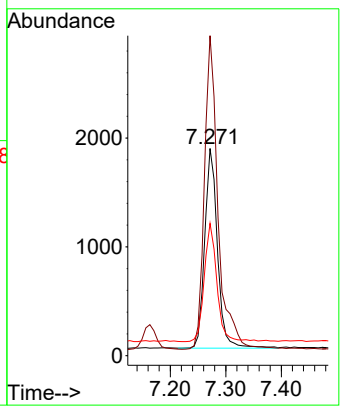


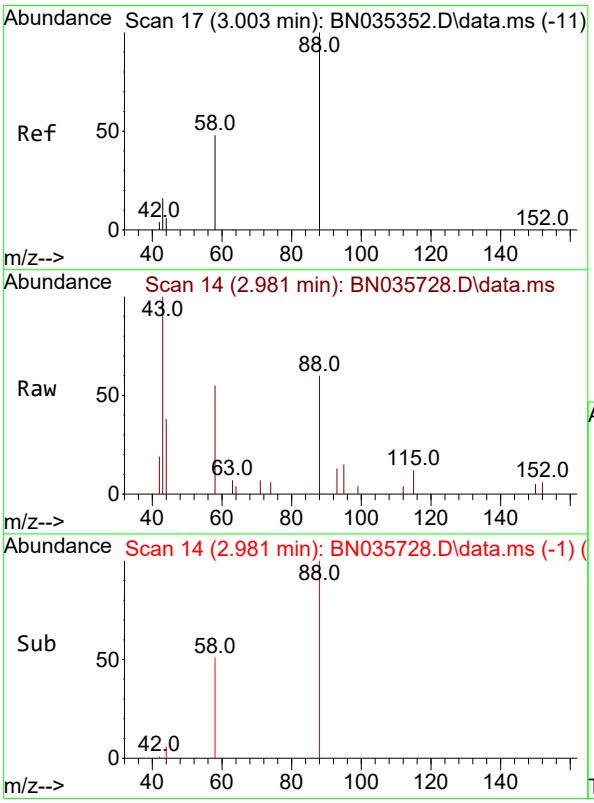
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.271 min Scan# 6
Delta R.T. -0.001 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Instrument :
BNA_N
ClientSampleId :
PB165596BS

Tgt Ion:152 Resp: 2951

Ion	Ratio	Lower	Upper
152	100		
150	154.4	124.0	186.0
115	63.8	49.6	74.4

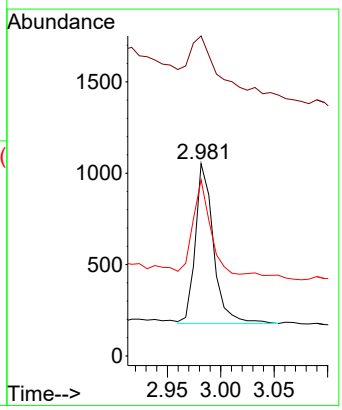


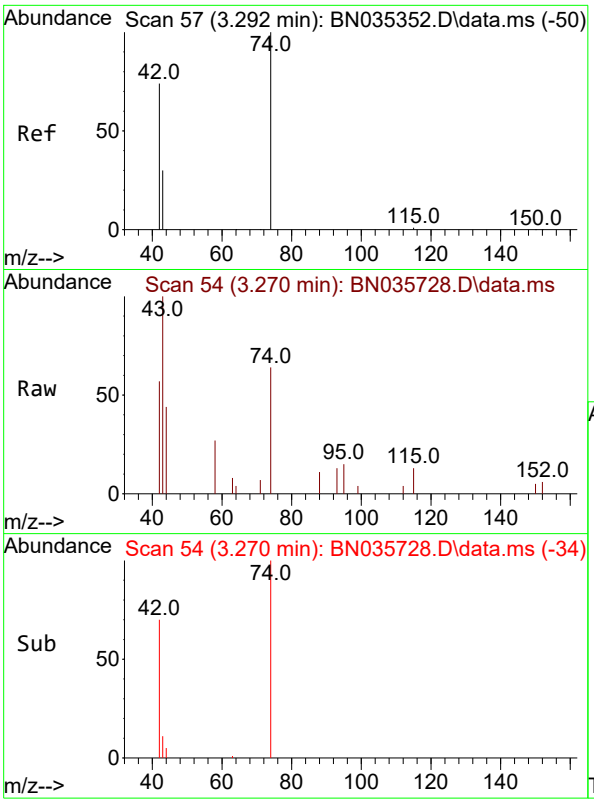


#2
1,4-Dioxane
Concen: 0.368 ng
RT: 2.981 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Tgt Ion: 88 Resp: 1038

Ion	Ratio	Lower	Upper
88	100		
43	57.8	17.2	25.8#
58	55.5	44.5	66.7



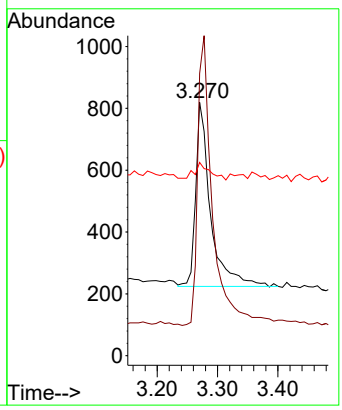


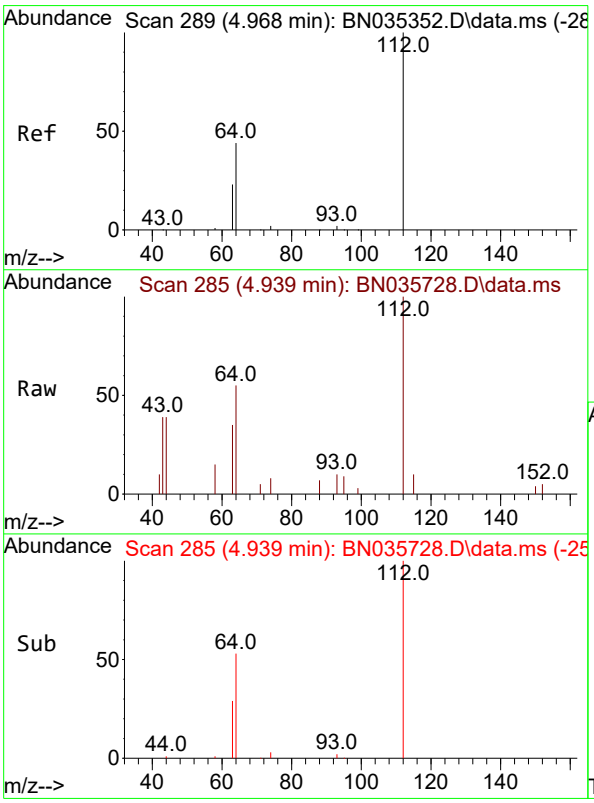
#3
n-Nitrosodimethylamine
Concen: 0.432 ng
RT: 3.270 min Scan# 54
Delta R.T. -0.007 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Instrument :
BNA_N
ClientSampleId :
PB165596BS

Tgt Ion: 42 Resp: 1014

Ion	Ratio	Lower	Upper
42	100		
74	158.5	124.9	187.3
44	9.7	2.2	3.4#

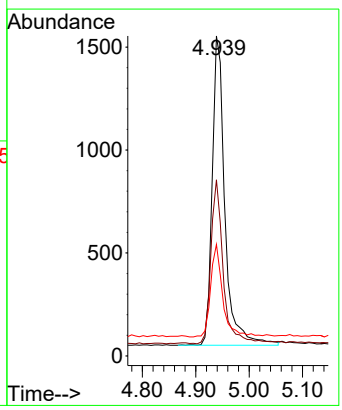


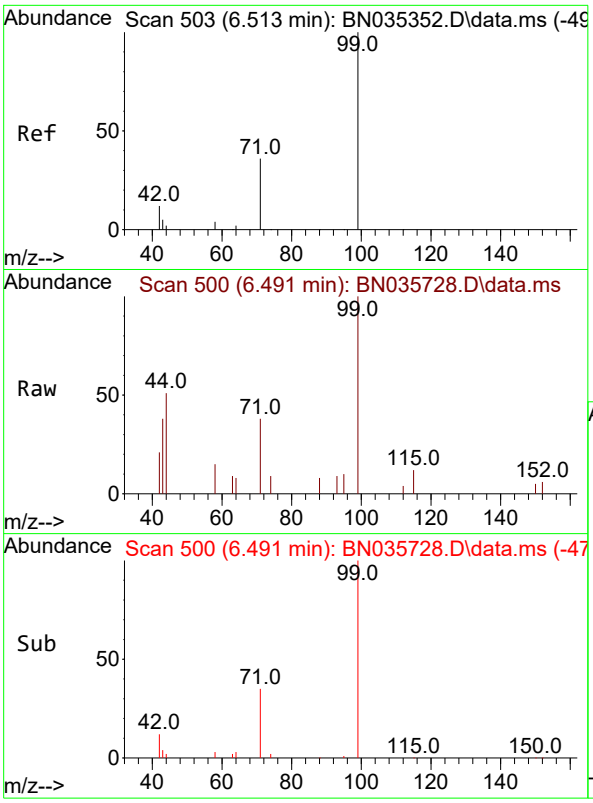


#4
2-Fluorophenol
Concen: 0.336 ng
RT: 4.939 min Scan# 285
Delta R.T. -0.000 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Tgt Ion:112 Resp: 2478

Ion	Ratio	Lower	Upper
112	100		
64	51.8	39.8	59.8
63	28.7	21.0	31.6



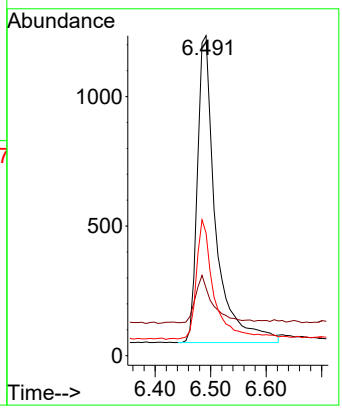


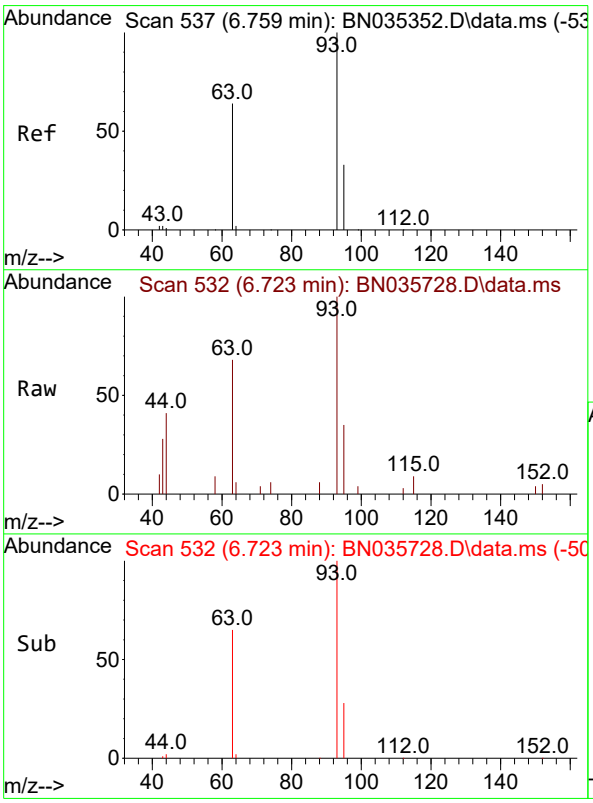
#5
Phenol-d6
Concen: 0.305 ng
RT: 6.491 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Instrument :
BNA_N
ClientSampleId :
PB165596BS

Tgt Ion: 99 Resp: 2705

Ion	Ratio	Lower	Upper
99	100		
42	14.7	11.4	17.2
71	38.6	29.3	43.9

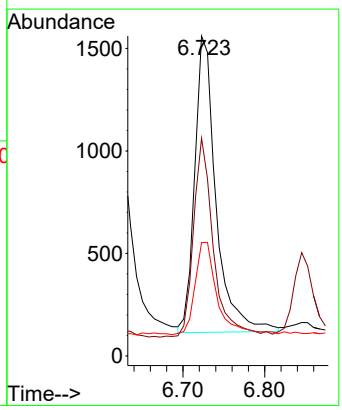


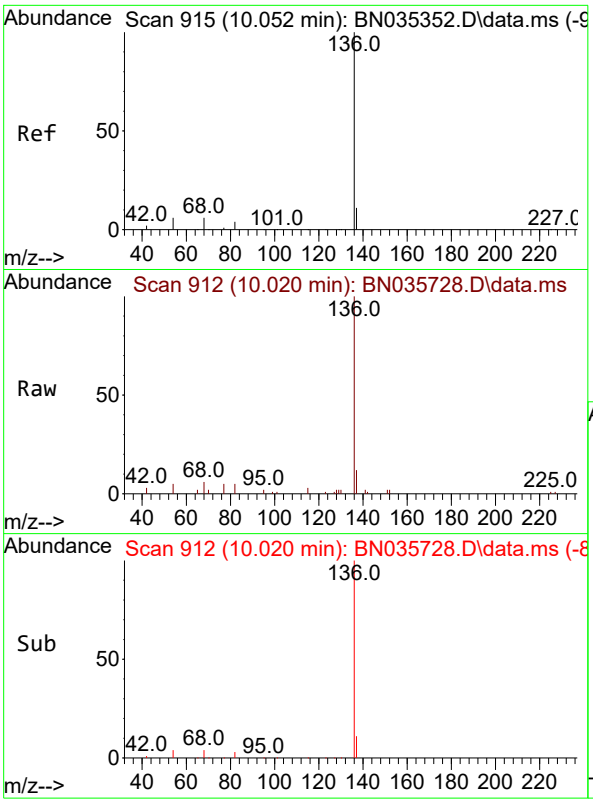


#6
bis(2-Chloroethyl)ether
Concen: 0.351 ng
RT: 6.723 min Scan# 532
Delta R.T. -0.007 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Tgt Ion: 93 Resp: 2623

Ion	Ratio	Lower	Upper
93	100		
63	63.2	50.4	75.6
95	32.3	25.7	38.5



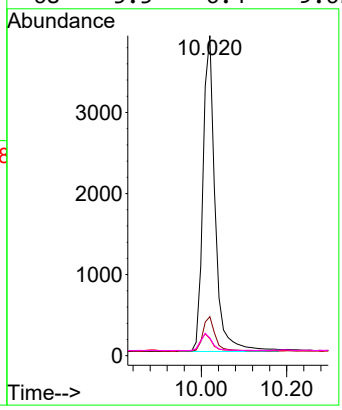


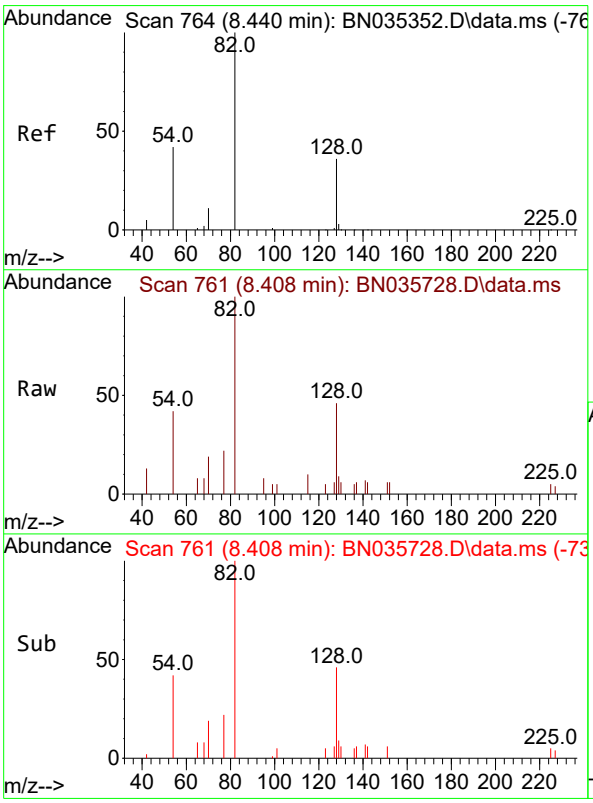
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.020 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Instrument :
BNA_N
ClientSampleId :
PB165596BS

Tgt Ion:136 Resp: 7713

Ion	Ratio	Lower	Upper
136	100		
137	12.2	10.2	15.2
54	5.3	6.1	9.1#
68	5.5	6.4	9.6#

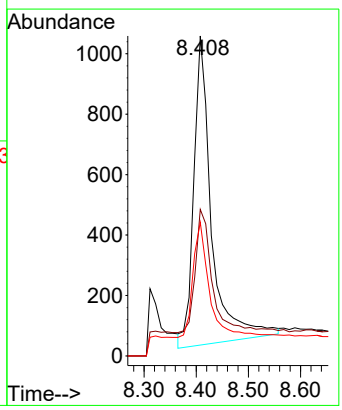


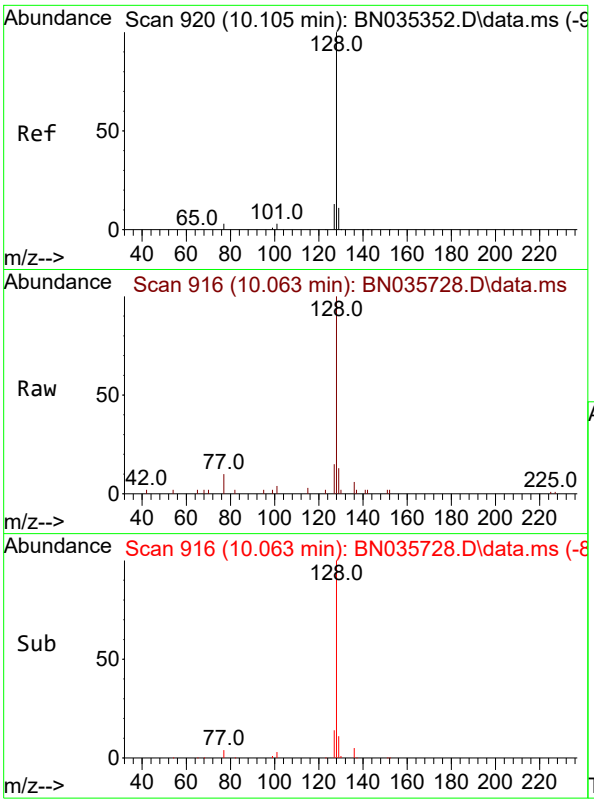


#8
Nitrobenzene-d5
Concen: 0.516 ng
RT: 8.408 min Scan# 761
Delta R.T. -0.000 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Tgt Ion: 82 Resp: 2433

Ion	Ratio	Lower	Upper
82	100		
128	45.8	33.4	50.0
54	41.7	36.7	55.1



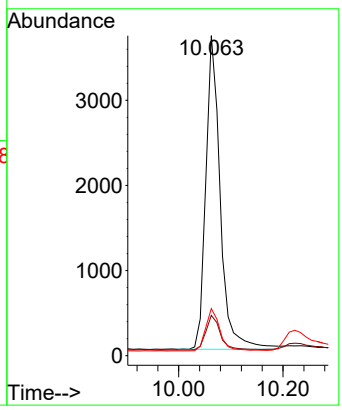


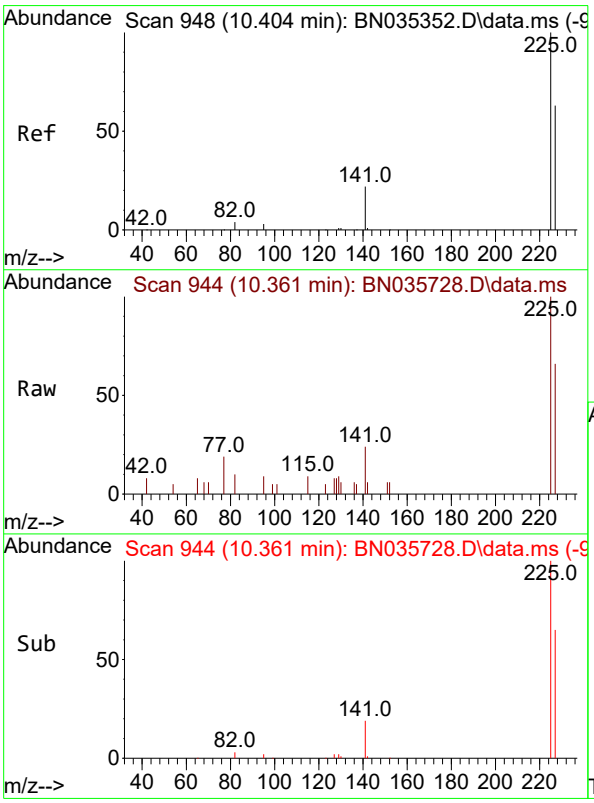
#9
Naphthalene
Concen: 0.348 ng
RT: 10.063 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Instrument :
BNA_N
ClientSampleId :
PB165596BS

Tgt Ion:128 Resp: 7072

Ion	Ratio	Lower	Upper
128	100		
129	12.6	9.8	14.6
127	14.7	11.4	17.2

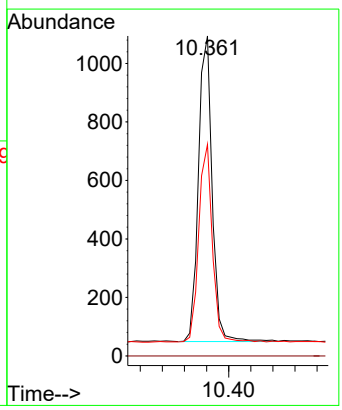


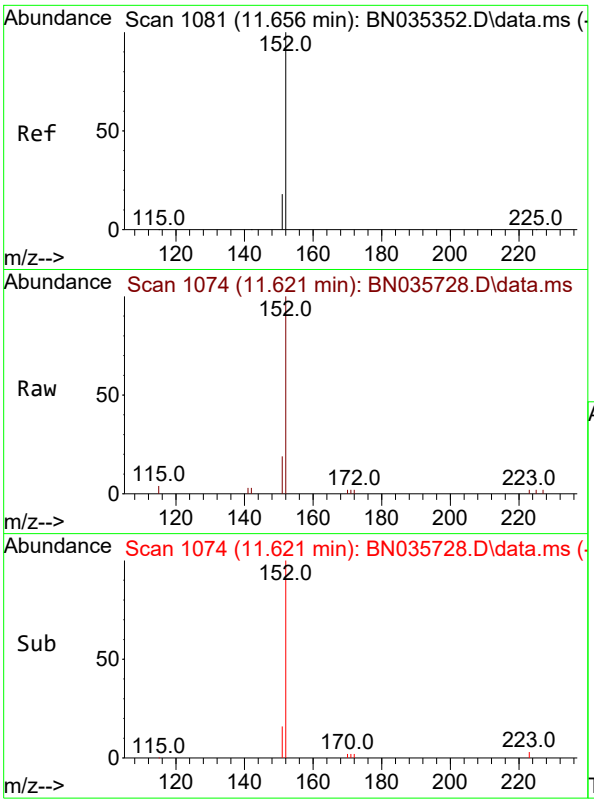


#10
Hexachlorobutadiene
Concen: 0.386 ng
RT: 10.361 min Scan# 944
Delta R.T. -0.000 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Tgt Ion:225 Resp: 1809

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.7	51.3	76.9



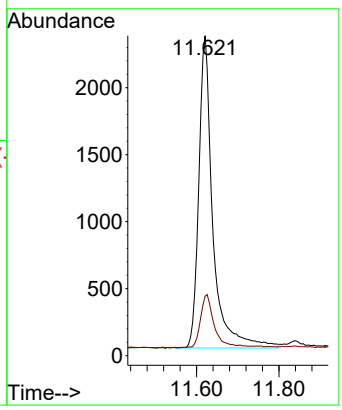


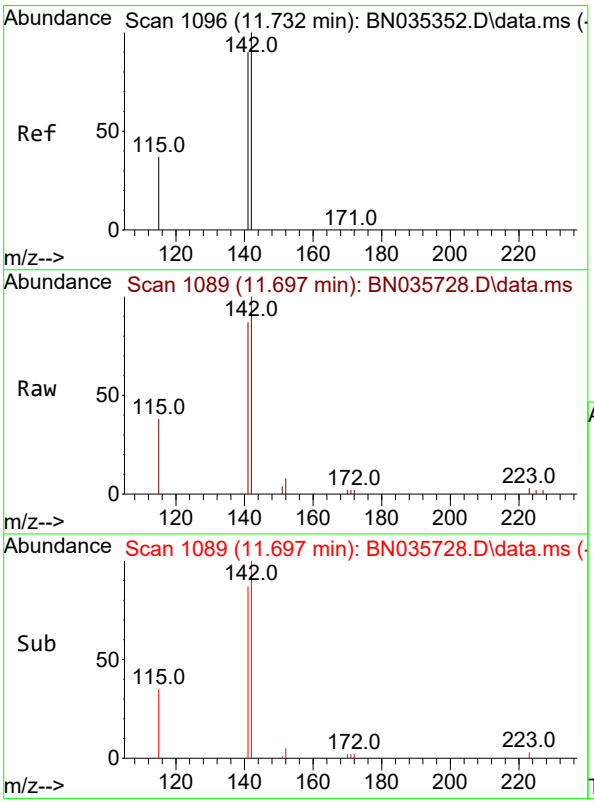
#11
2-Methylnaphthalene-d10
Concen: 0.458 ng
RT: 11.621 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Instrument :
BNA_N
ClientSampleId :
PB165596BS

Tgt Ion:152 Resp: 5532

Ion	Ratio	Lower	Upper
152	100		
151	16.5	16.6	25.0#

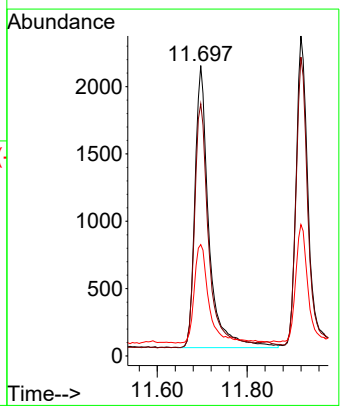


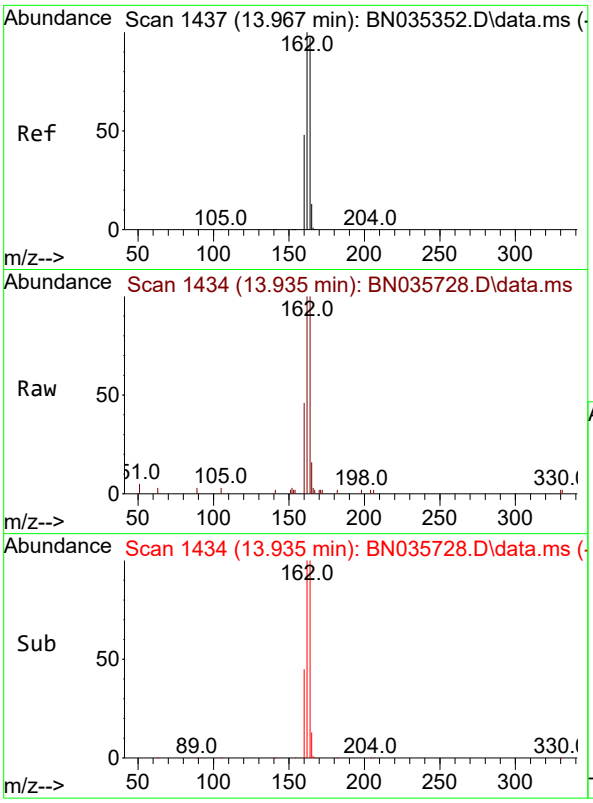


#12
2-Methylnaphthalene
Concen: 0.310 ng
RT: 11.697 min Scan# 1089
Delta R.T. -0.000 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Tgt Ion:142 Resp: 4509

Ion	Ratio	Lower	Upper
142	100		
141	86.8	72.2	108.4
115	38.4	31.4	47.0



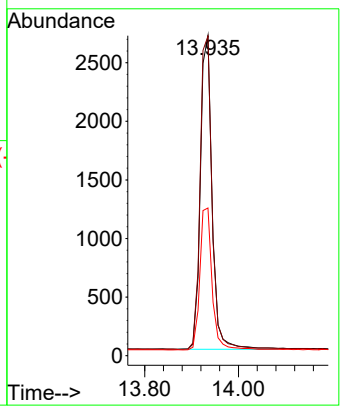


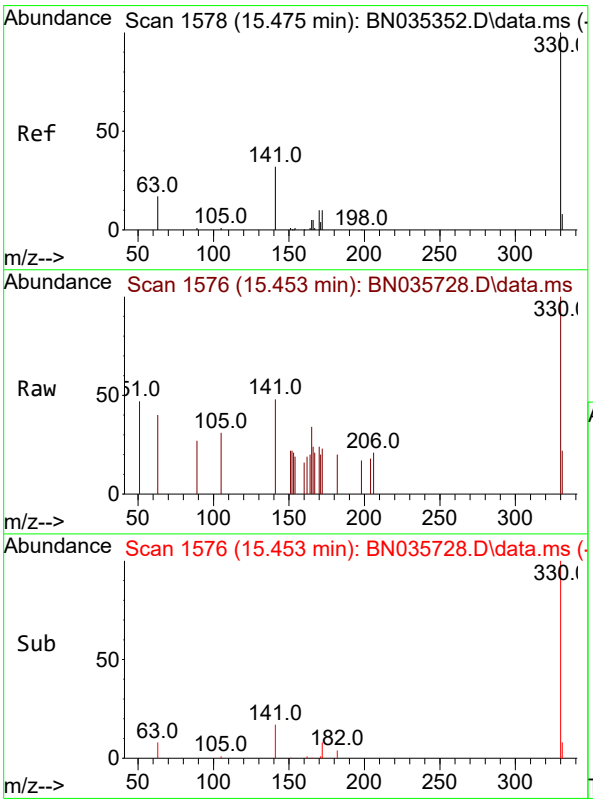
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.935 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Instrument :
BNA_N
ClientSampleId :
PB165596BS

Tgt Ion:164 Resp: 4640

Ion	Ratio	Lower	Upper
164	100		
162	99.9	82.2	123.2
160	46.1	40.1	60.1

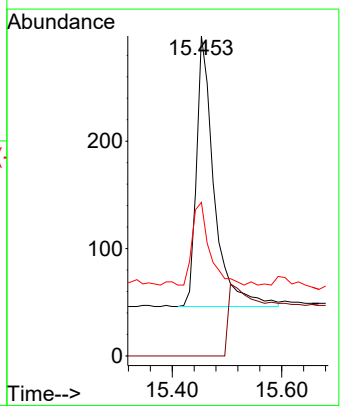


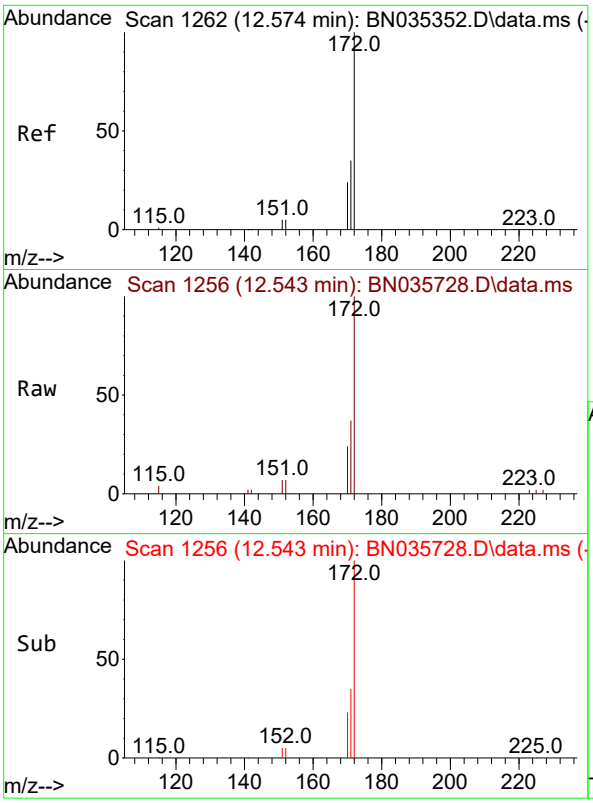


#14
2,4,6-Tribromophenol
Concen: 0.182 ng
RT: 15.453 min Scan# 1576
Delta R.T. -0.000 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Tgt Ion:330 Resp: 599

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	28.4	26.6	40.0



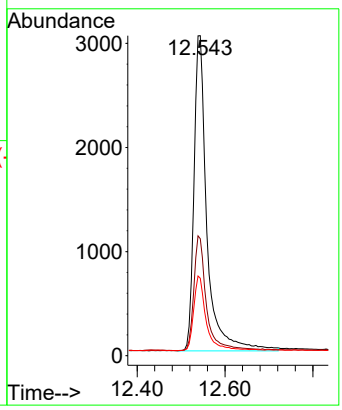


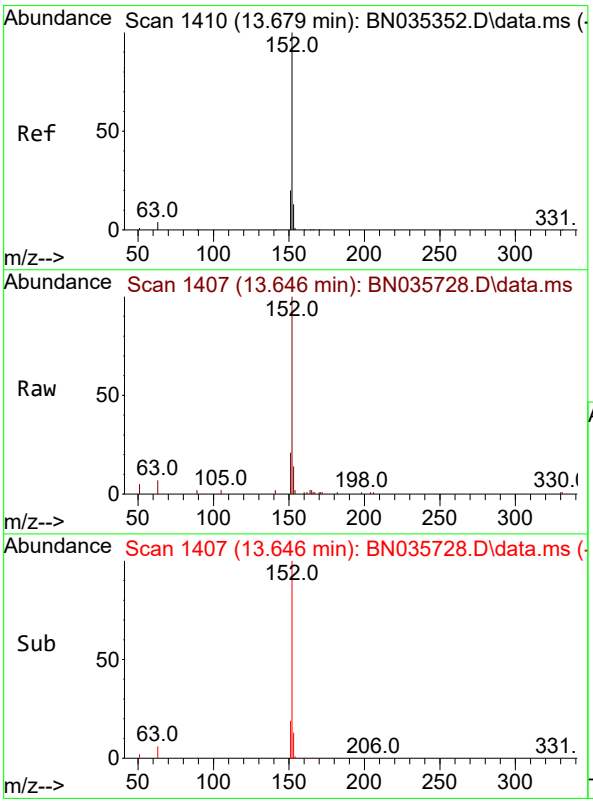
#15
2-Fluorobiphenyl
Concen: 0.356 ng
RT: 12.543 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Instrument :
BNA_N
ClientSampleId :
PB165596BS

Tgt Ion:172 Resp: 6241

Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.0	43.4
170	24.2	19.8	29.8

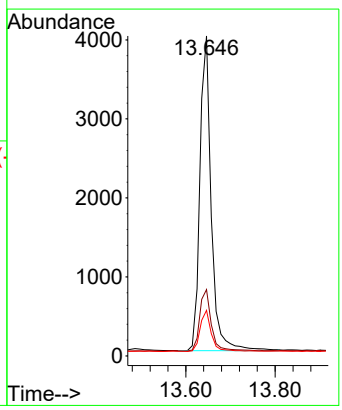


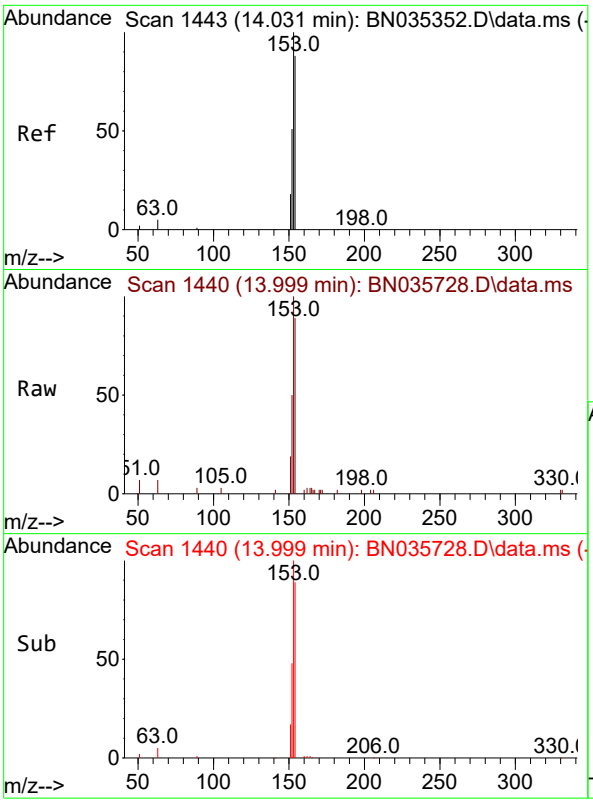


#16
Acenaphthylene
Concen: 0.360 ng
RT: 13.646 min Scan# 1407
Delta R.T. -0.000 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Tgt Ion:152 Resp: 7020

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.2
153	13.0	10.4	15.6



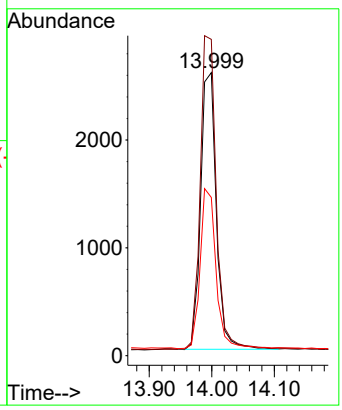


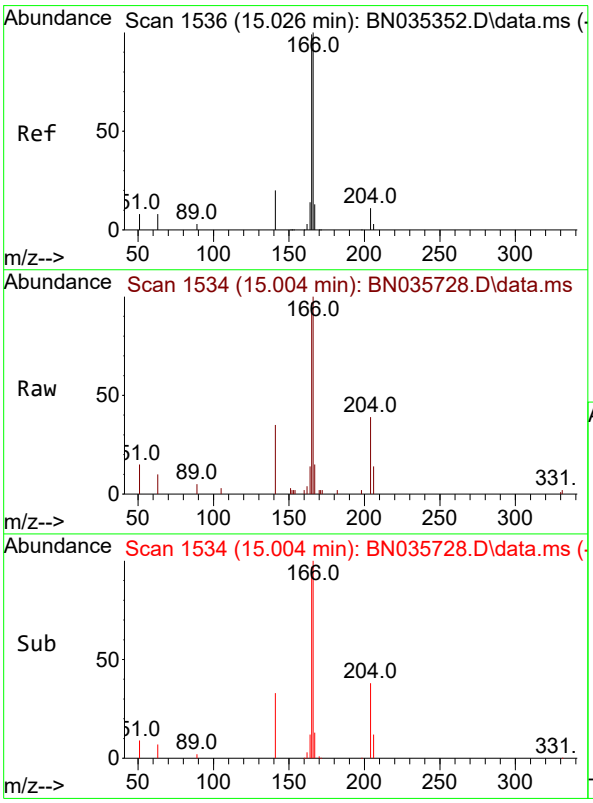
#17
Acenaphthene
Concen: 0.348 ng
RT: 13.999 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Instrument :
BNA_N
ClientSampleId :
PB165596BS

Tgt Ion:154 Resp: 4501

Ion	Ratio	Lower	Upper
154	100		
153	115.4	92.6	139.0
152	58.6	49.0	73.6

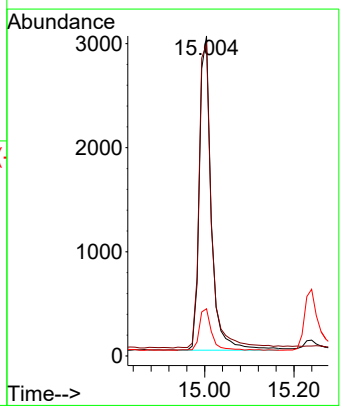


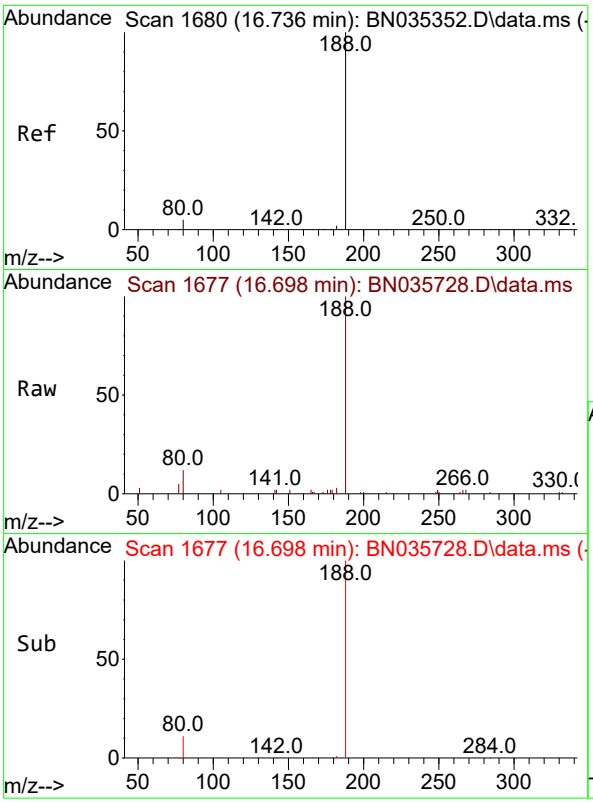


#18
Fluorene
Concen: 0.303 ng
RT: 15.004 min Scan# 1534
Delta R.T. -0.000 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Tgt Ion:166 Resp: 5615

Ion	Ratio	Lower	Upper
166	100		
165	99.7	79.7	119.5
167	13.2	10.8	16.2



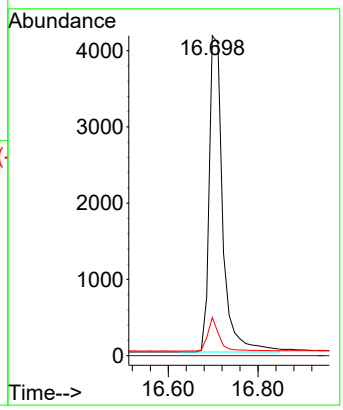


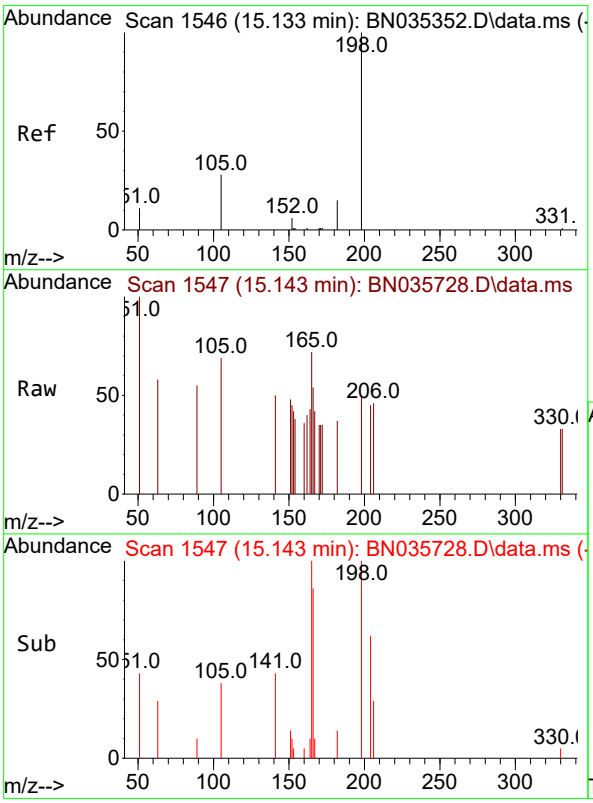
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.698 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Instrument :
BNA_N
ClientSampleId :
PB165596BS

Tgt Ion:188 Resp: 8678

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.9	4.6	6.8#

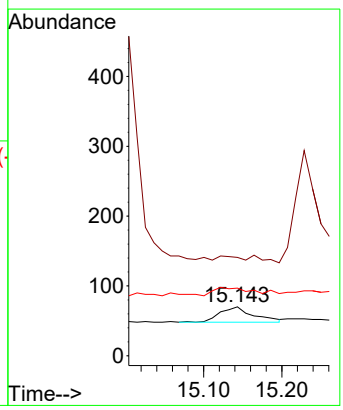


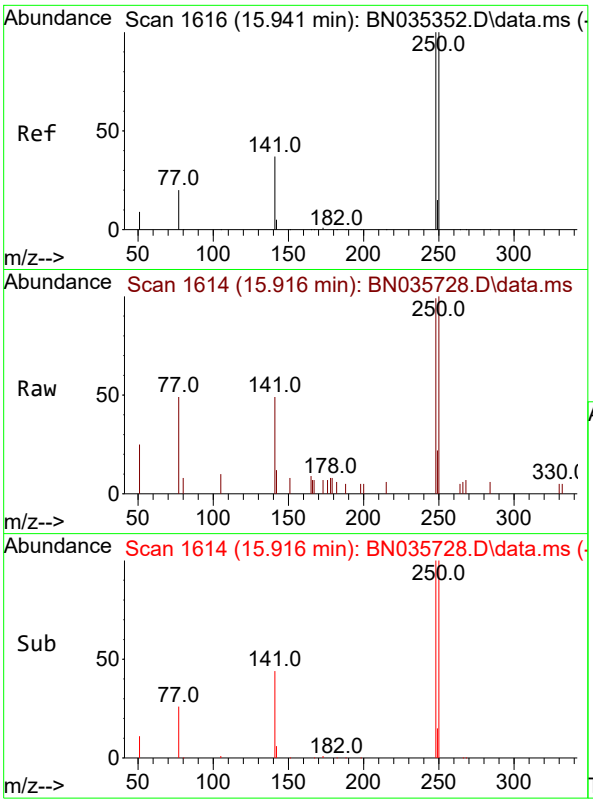


#20
4,6-Dinitro-2-methylphenol
Concen: 0.077 ng
RT: 15.143 min Scan# 1547
Delta R.T. 0.021 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Tgt Ion:198 Resp: 66

Ion	Ratio	Lower	Upper
198	100		
51	201.4	46.5	69.7#
105	138.6	45.3	67.9#



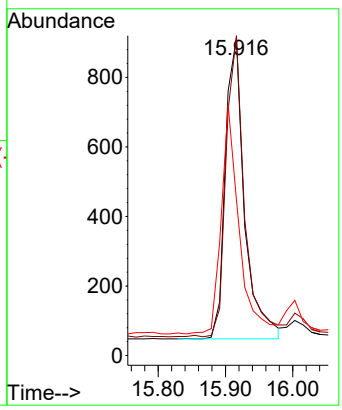


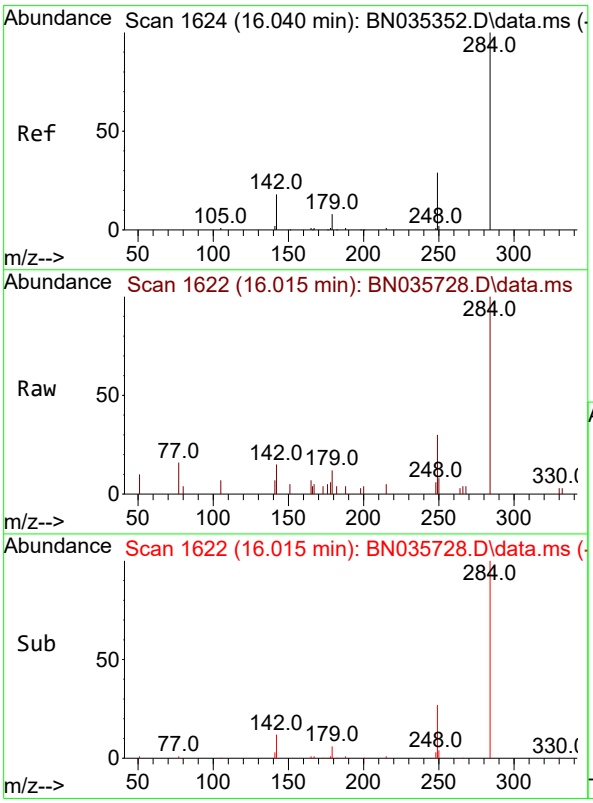
#21
4-Bromophenyl-phenylether
Concen: 0.337 ng
RT: 15.916 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Instrument :
BNA_N
ClientSampleId :
PB165596BS

Tgt Ion:248 Resp: 1712

Ion	Ratio	Lower	Upper
248	100		
250	100.8	80.6	120.8
141	49.1	31.5	47.3#

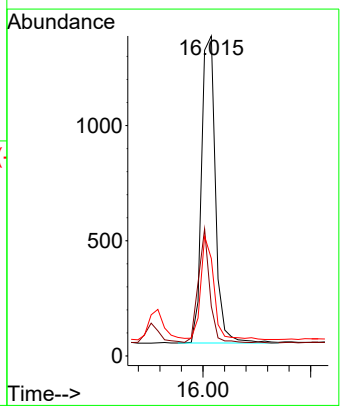


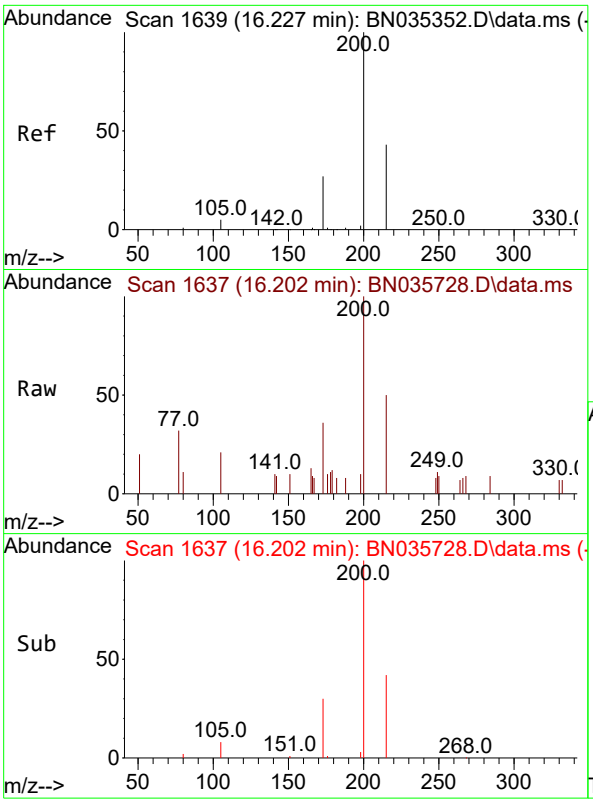


#22
Hexachlorobenzene
Concen: 0.400 ng
RT: 16.015 min Scan# 1622
Delta R.T. -0.000 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Tgt Ion:284 Resp: 2386

Ion	Ratio	Lower	Upper
284	100		
142	31.0	26.7	40.1
249	31.9	24.6	36.8



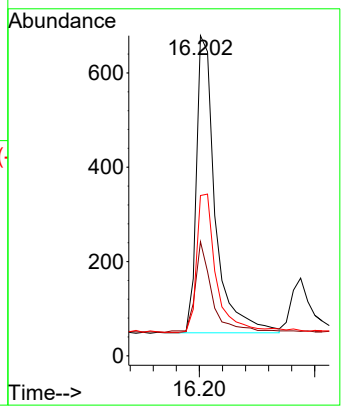


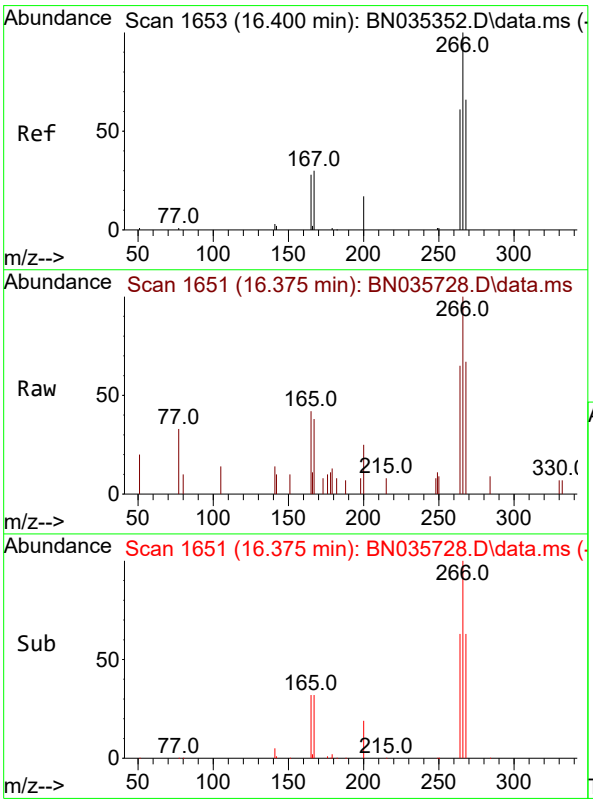
#23
Atrazine
Concen: 0.396 ng
RT: 16.202 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Instrument :
BNA_N
ClientSampleId :
PB165596BS

Tgt Ion:200 Resp: 1432

Ion	Ratio	Lower	Upper
200	100		
173	35.6	24.1	36.1
215	50.1	36.9	55.3

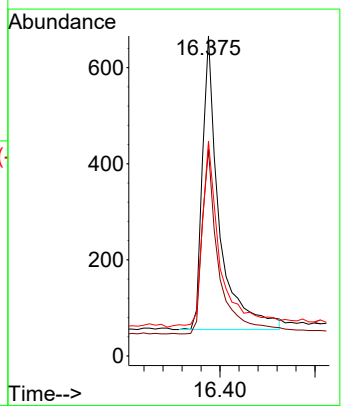


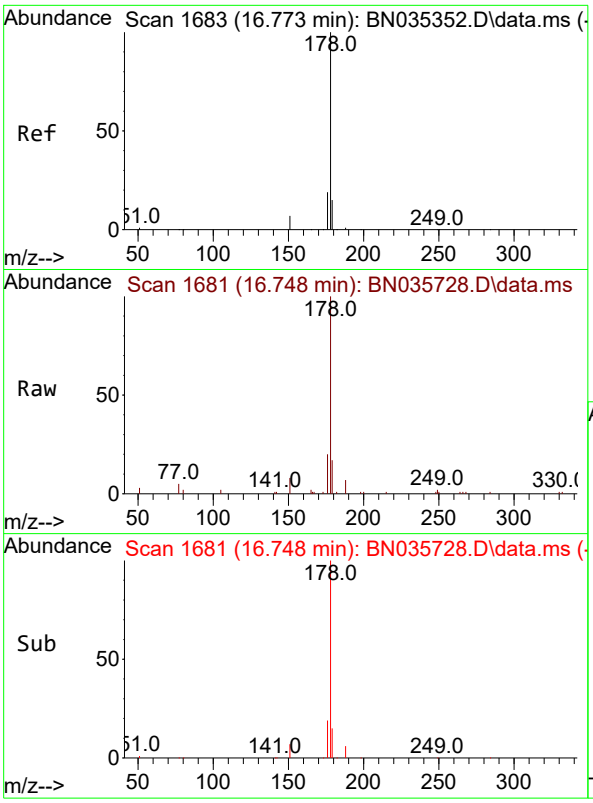


#24
Pentachlorophenol
Concen: 0.582 ng
RT: 16.375 min Scan# 1651
Delta R.T. -0.000 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Tgt Ion:266 Resp: 1508

Ion	Ratio	Lower	Upper
266	100		
264	62.3	42.3	63.5
268	67.5	43.3	64.9#



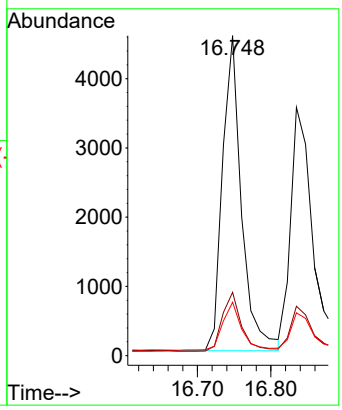


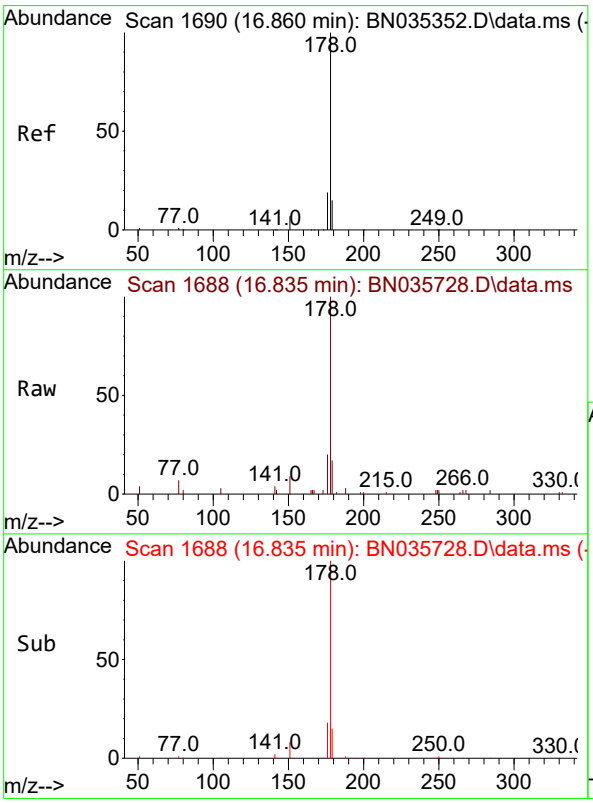
#25
Phenanthrene
Concen: 0.343 ng
RT: 16.748 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Instrument :
BNA_N
ClientSampleId :
PB165596BS

Tgt Ion:178 Resp: 8179

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.2
179	15.1	12.3	18.5

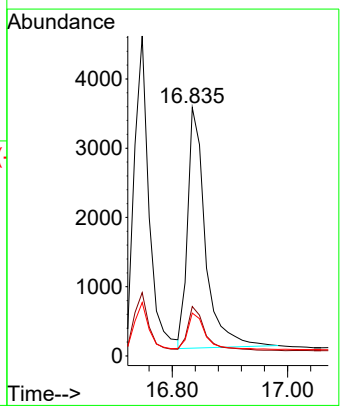


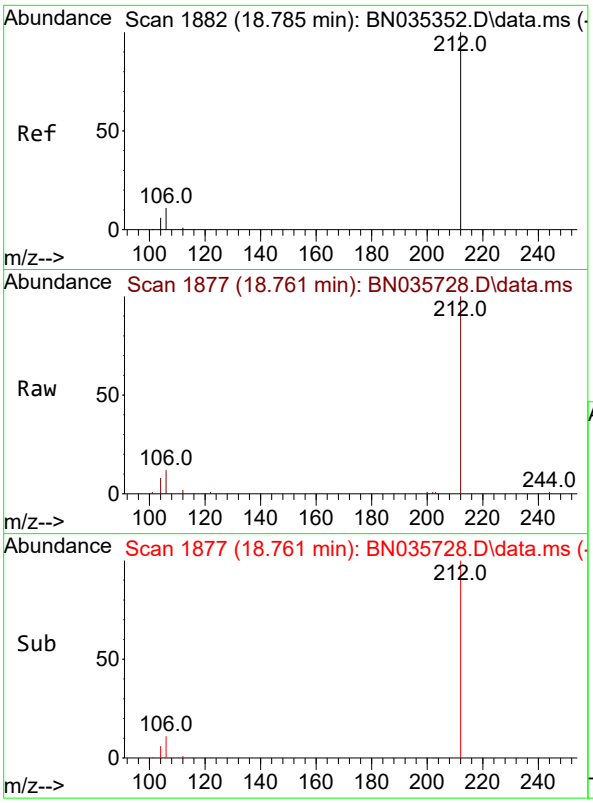


#26
Anthracene
Concen: 0.344 ng
RT: 16.835 min Scan# 1688
Delta R.T. -0.000 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Tgt Ion:178 Resp: 7420

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.0	22.6
179	15.7	12.6	18.8



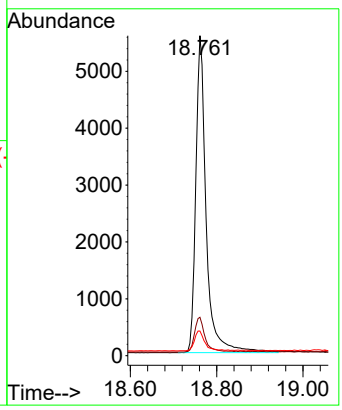


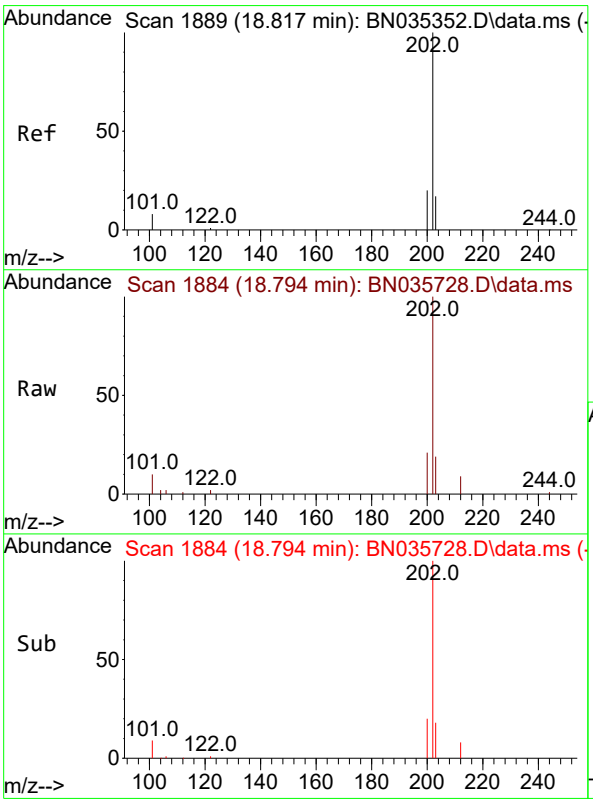
#27
Fluoranthene-d10
Concen: 0.379 ng
RT: 18.761 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Instrument :
BNA_N
ClientSampleId :
PB165596BS

Tgt Ion:212 Resp: 9334

Ion	Ratio	Lower	Upper
212	100		
106	10.9	9.2	13.8
104	6.3	5.3	7.9

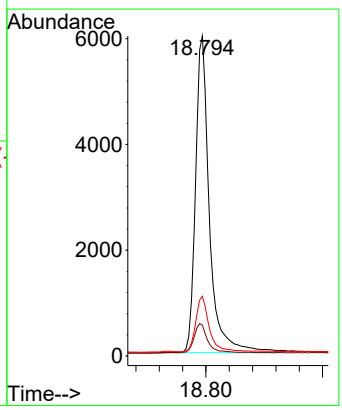


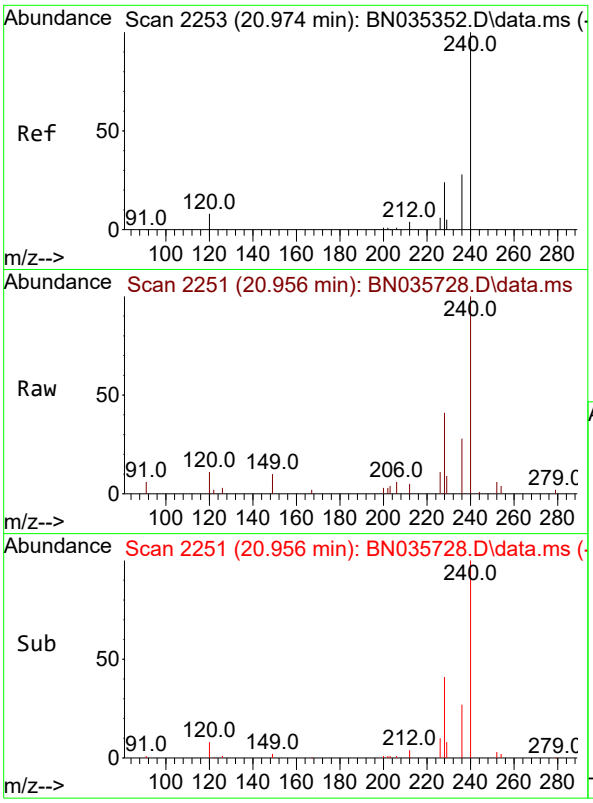


#28
Fluoranthene
Concen: 0.309 ng
RT: 18.794 min Scan# 1884
Delta R.T. 0.004 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Tgt Ion:202 Resp: 9920

Ion	Ratio	Lower	Upper
202	100		
101	9.2	7.4	11.0
203	17.0	13.7	20.5



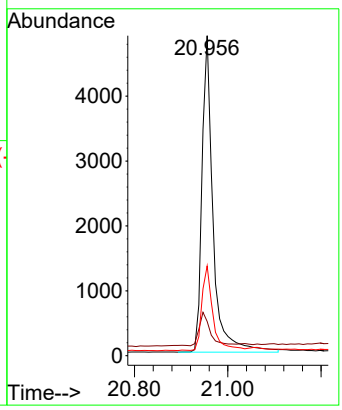


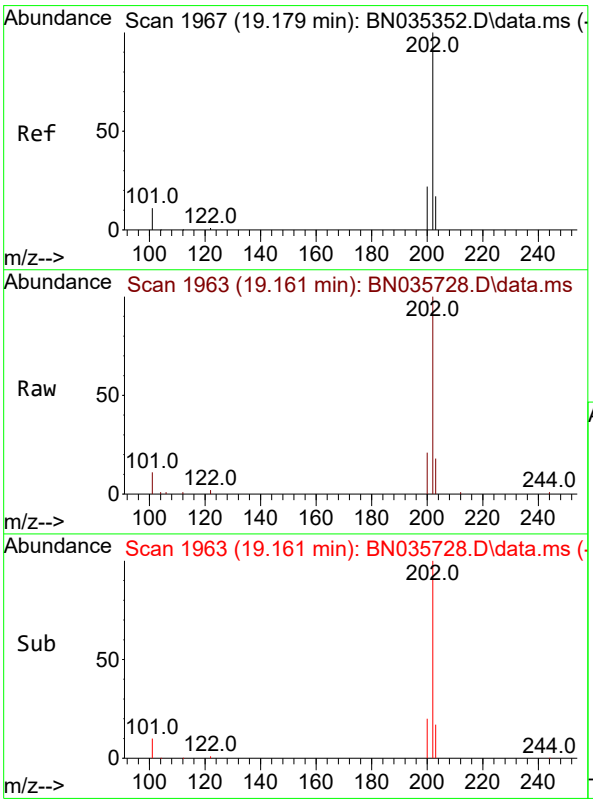
#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.956 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Instrument :
BNA_N
ClientSampleId :
PB165596BS

Tgt Ion:240 Resp: 8066

Ion	Ratio	Lower	Upper
240	100		
120	10.7	7.9	11.9
236	28.0	22.9	34.3

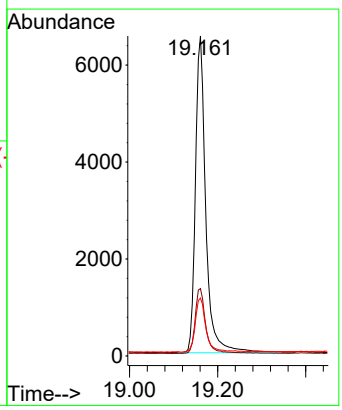


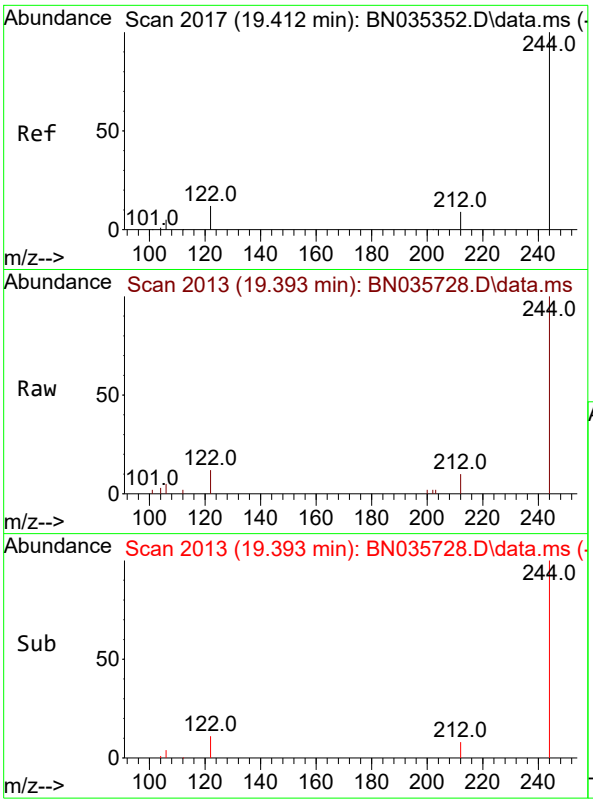


#30
Pyrene
Concen: 0.360 ng
RT: 19.161 min Scan# 1963
Delta R.T. -0.000 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Tgt Ion:202 Resp: 10720

Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.0	25.4
203	17.2	14.3	21.5



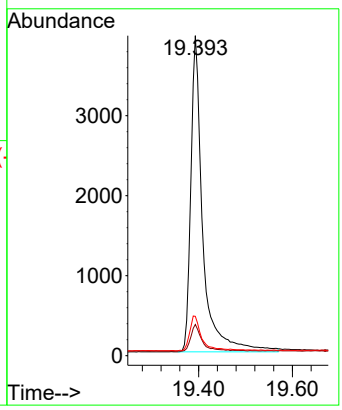


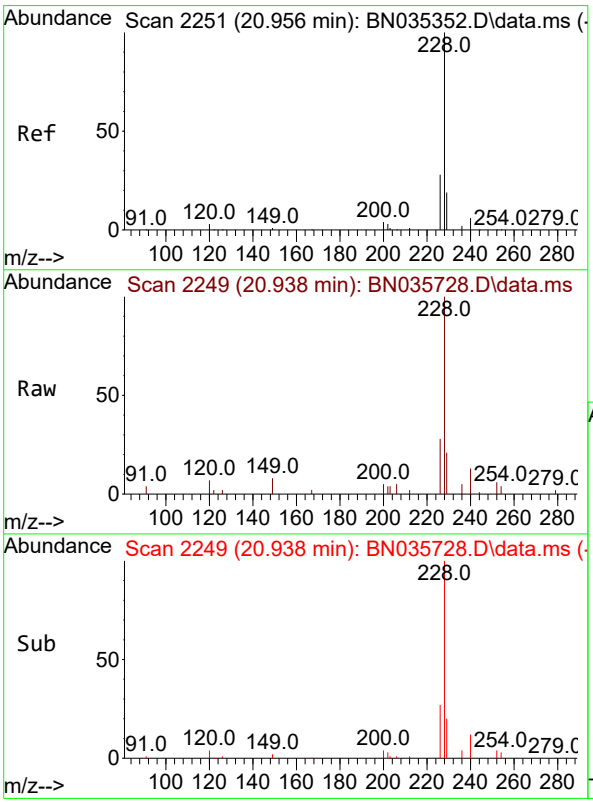
#31
Terphenyl-d14
Concen: 0.440 ng
RT: 19.393 min Scan# 2
Delta R.T. 0.004 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Instrument :
BNA_N
ClientSampleId :
PB165596BS

Tgt Ion:244 Resp: 6996

Ion	Ratio	Lower	Upper
244	100		
212	9.8	8.1	12.1
122	12.3	10.3	15.5

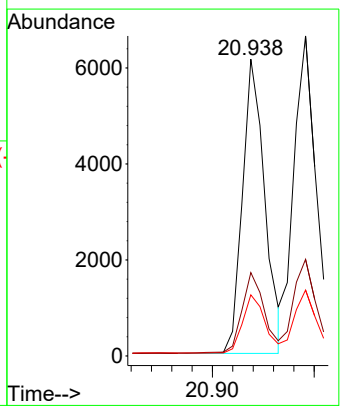


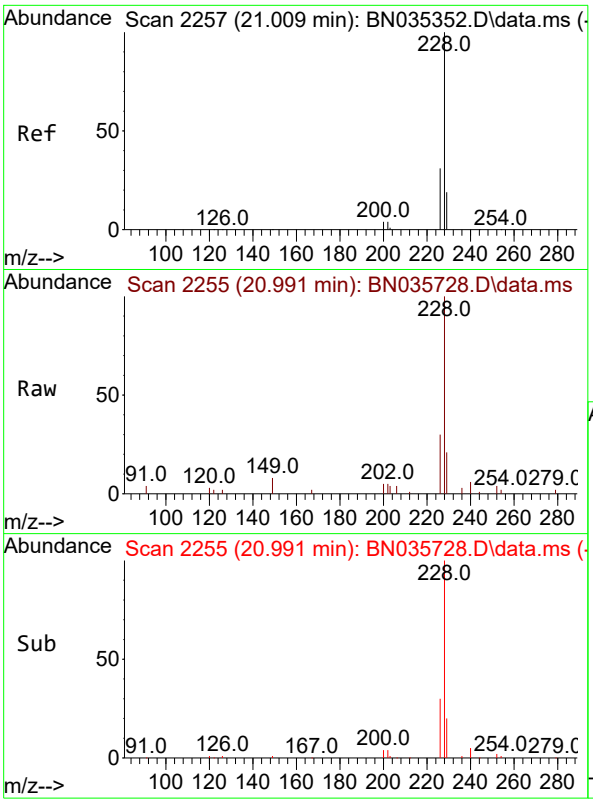


#32
Benzo(a)anthracene
Concen: 0.331 ng
RT: 20.938 min Scan# 2249
Delta R.T. -0.000 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Tgt Ion:228 Resp: 9343

Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.5	33.7
229	20.6	15.8	23.8



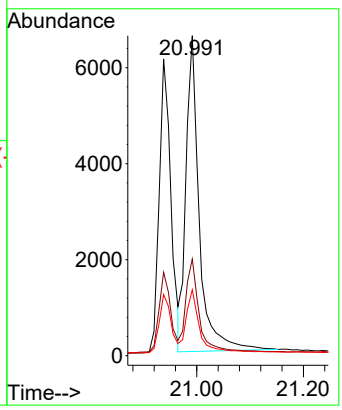


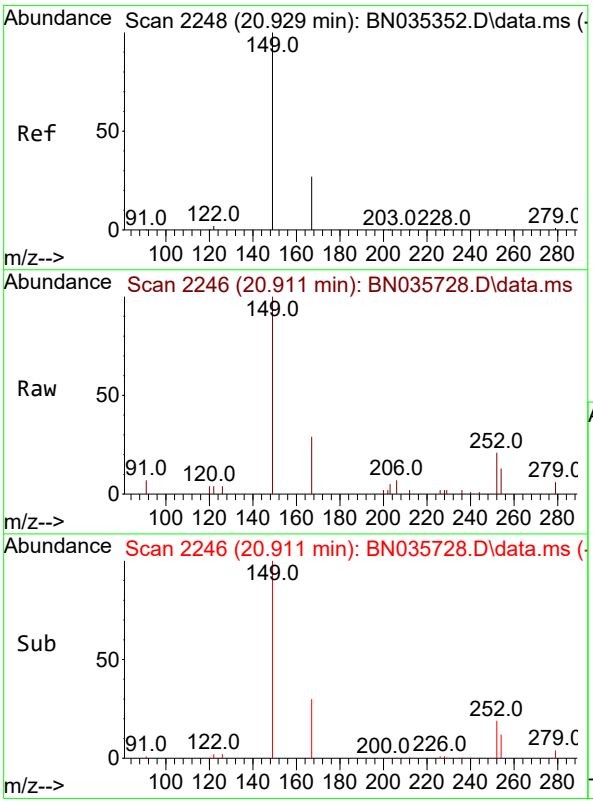
#33
Chrysene
Concen: 0.391 ng
RT: 20.991 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Instrument :
BNA_N
ClientSampleId :
PB165596BS

Tgt Ion:228 Resp: 11373

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.6	37.0
229	20.6	15.9	23.9

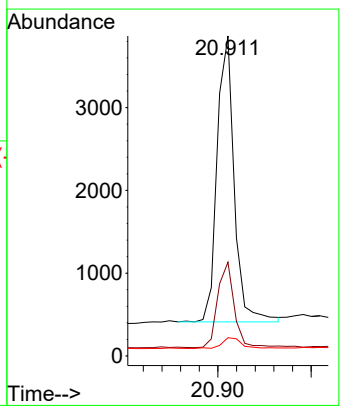


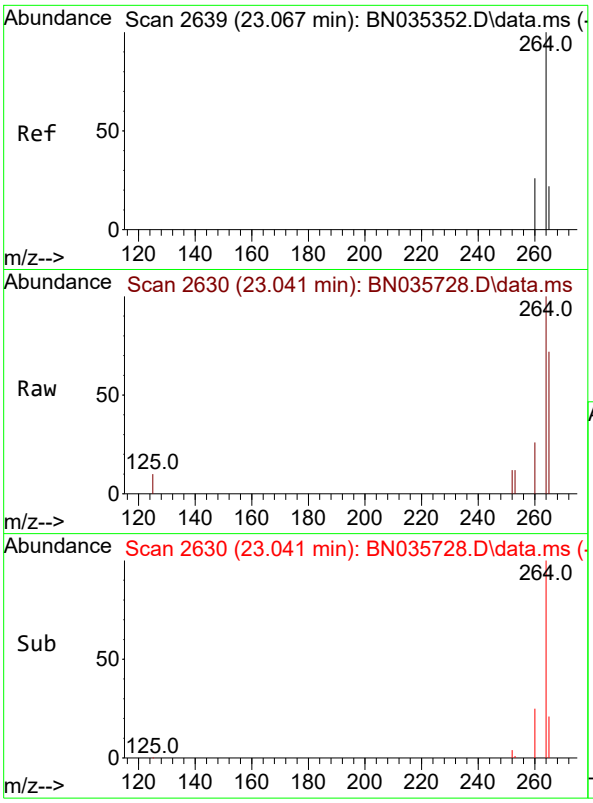


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.395 ng
RT: 20.911 min Scan# 2246
Delta R.T. -0.000 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Tgt Ion:149 Resp: 4399

Ion	Ratio	Lower	Upper
149	100		
167	29.1	22.2	33.4
279	4.4	2.7	4.1#



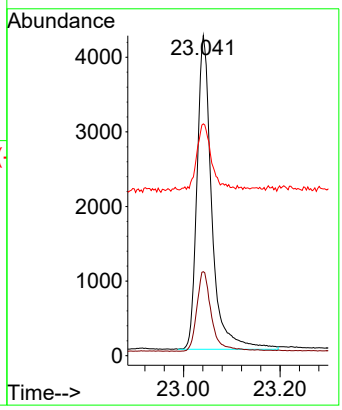


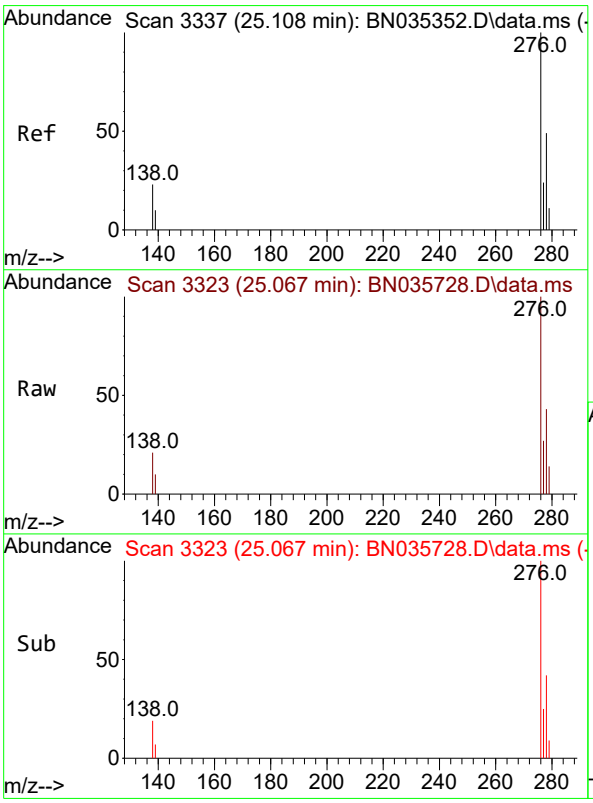
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.041 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Instrument :
BNA_N
ClientSampleId :
PB165596BS

Tgt Ion:264 Resp: 8916

Ion	Ratio	Lower	Upper
264	100		
260	26.2	21.4	32.2
265	72.4	40.2	60.4#

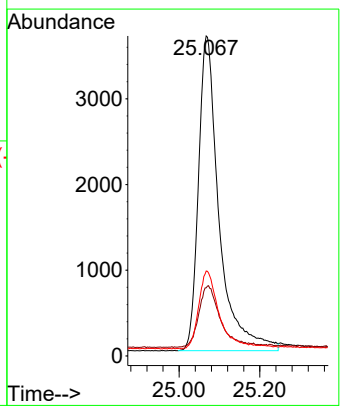


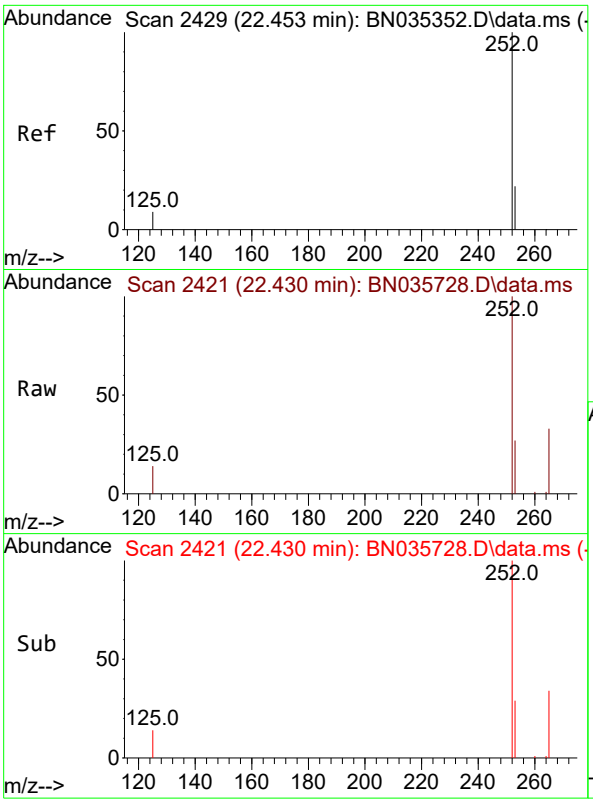


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.374 ng
RT: 25.067 min Scan# 3323
Delta R.T. -0.000 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Tgt Ion:276 Resp: 13020

Ion	Ratio	Lower	Upper
276	100		
138	20.0	19.4	29.0
277	24.2	19.8	29.6



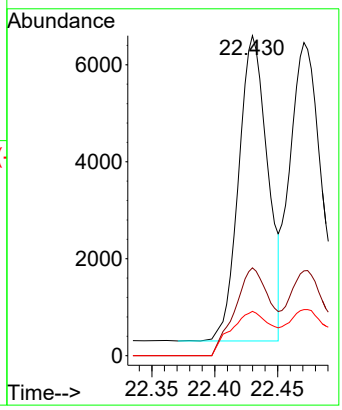


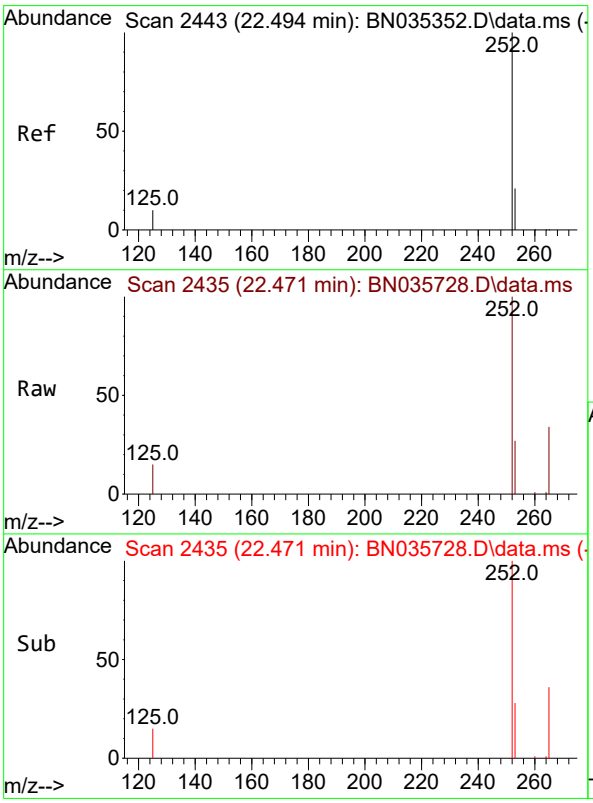
#37
Benzo(b)fluoranthene
Concen: 0.440 ng
RT: 22.430 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Instrument :
BNA_N
ClientSampleId :
PB165596BS

Tgt Ion:252 Resp: 14339

Ion	Ratio	Lower	Upper
252	100		
253	27.4	19.6	29.4
125	13.8	9.6	14.4

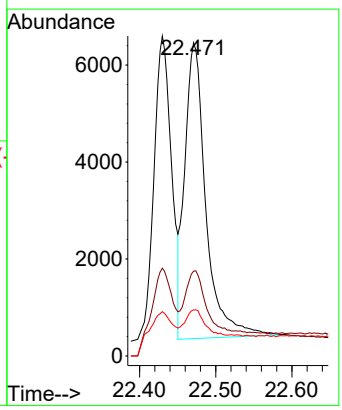


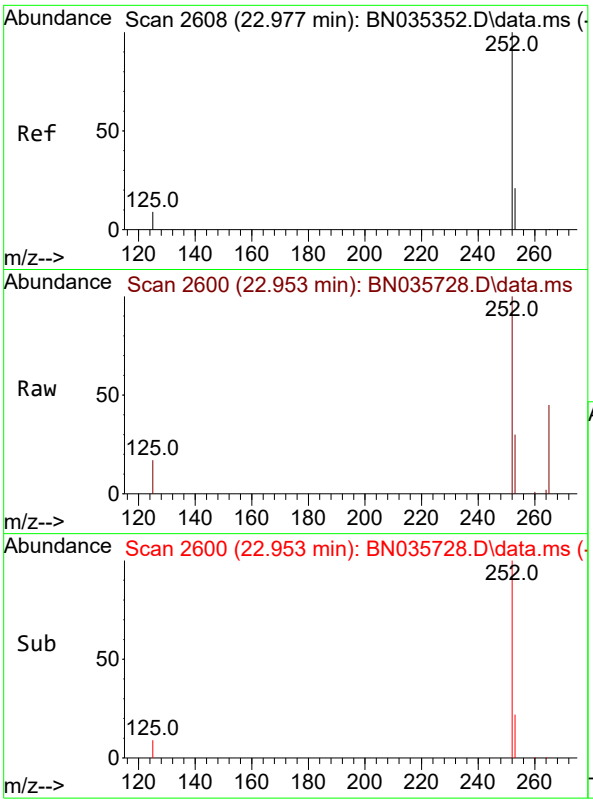


#38
Benzo(k)fluoranthene
Concen: 0.365 ng
RT: 22.471 min Scan# 2435
Delta R.T. -0.000 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Tgt Ion:252 Resp: 11726

Ion	Ratio	Lower	Upper
252	100		
253	27.1	19.5	29.3
125	14.7	10.2	15.4



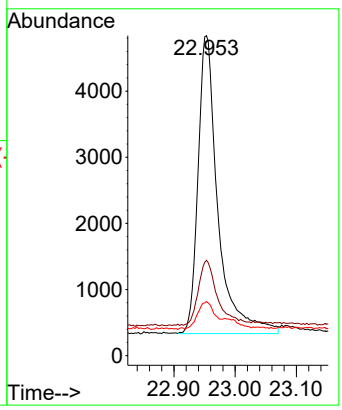


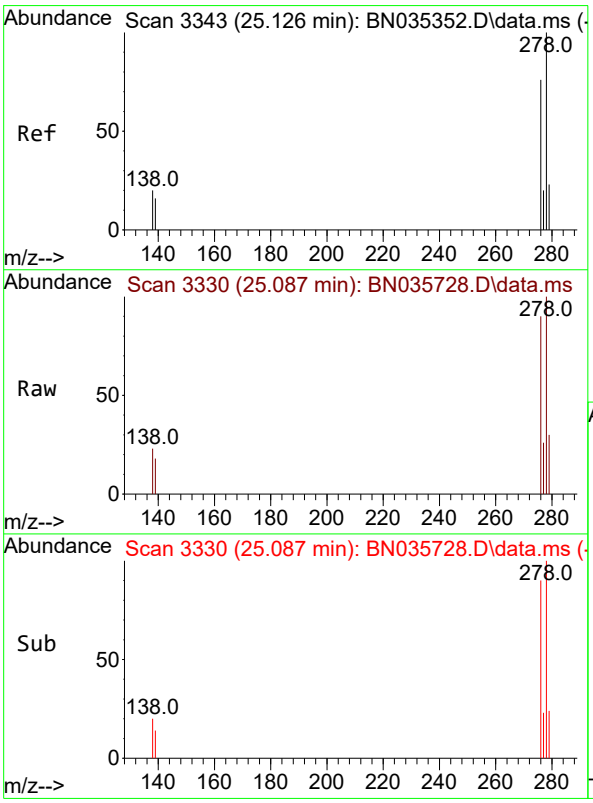
#39
Benzo(a)pyrene
Concen: 0.379 ng
RT: 22.953 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Instrument :
BNA_N
ClientSampleId :
PB165596BS

Tgt Ion:252 Resp: 10176

Ion	Ratio	Lower	Upper
252	100		
253	29.8	20.2	30.4
125	16.9	10.9	16.3#

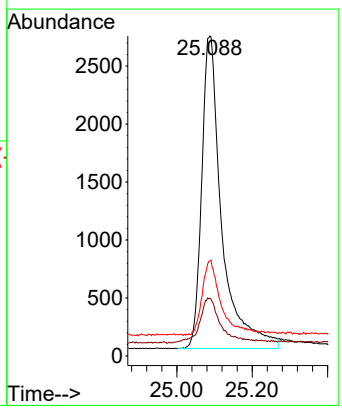


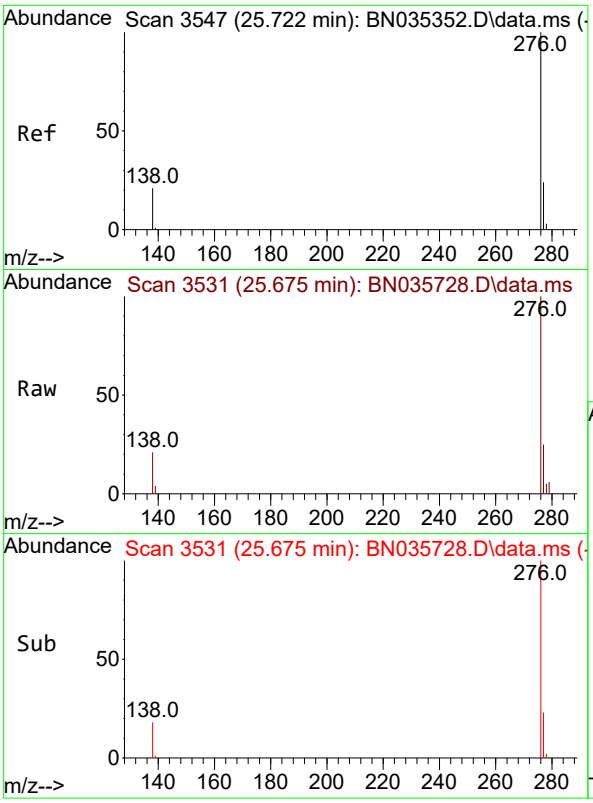


#40
Dibenzo(a,h)anthracene
Concen: 0.363 ng
RT: 25.087 min Scan# 3330
Delta R.T. 0.006 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Tgt Ion:278 Resp: 9971

Ion	Ratio	Lower	Upper
278	100		
139	18.0	14.2	21.4
279	29.7	20.5	30.7



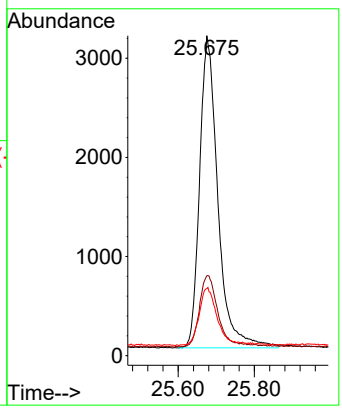


#41
Benzo(g,h,i)perylene
Concen: 0.364 ng
RT: 25.675 min Scan# 3
Delta R.T. -0.003 min
Lab File: BN035728.D
Acq: 20 Dec 2024 05:34

Instrument :
BNA_N
ClientSampleId :
PB165596BS

Tgt Ion:276 Resp: 10457

Ion	Ratio	Lower	Upper
276	100		
277	25.0	19.9	29.9
138	21.0	17.8	26.8



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035729.D
Acq On : 20 Dec 2024 06:10
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Quant Time: Dec 20 06:34:16 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

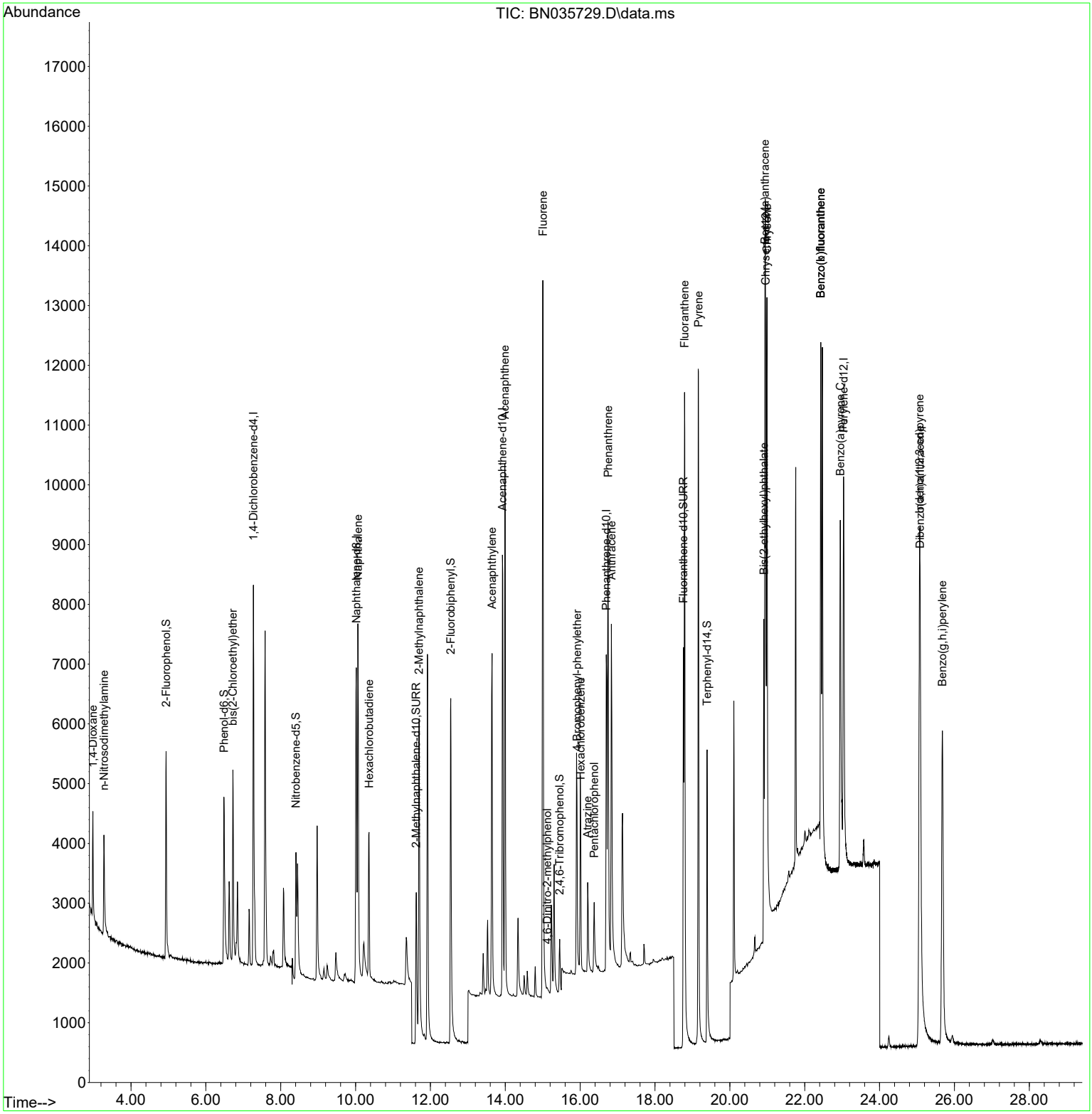
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.272	152	3165	0.400	ng	0.00
7) Naphthalene-d8	10.020	136	8502	0.400	ng	# 0.00
13) Acenaphthene-d10	13.924	164	4899	0.400	ng	-0.01
19) Phenanthrene-d10	16.698	188	9568	0.400	ng	# 0.00
29) Chrysene-d12	20.956	240	8180	0.400	ng	0.00
35) Perylene-d12	23.038	264	9191	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.939	112	3146	0.397	ng	0.00
5) Phenol-d6	6.484	99	3662	0.384	ng	0.00
8) Nitrobenzene-d5	8.408	82	2689	0.518	ng	0.00
11) 2-Methylnaphthalene-d10	11.621	152	4731	0.356	ng	0.00
14) 2,4,6-Tribromophenol	15.453	330	1038	0.298	ng	0.00
15) 2-Fluorobiphenyl	12.544	172	7182	0.388	ng	0.00
27) Fluoranthene-d10	18.761	212	9464	0.349	ng	0.00
31) Terphenyl-d14	19.393	244	6786	0.421	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.982	88	1215	0.402	ng	# 95
3) n-Nitrosodimethylamine	3.278	42	1040	0.413	ng	# 94
6) bis(2-Chloroethyl)ether	6.723	93	2915	0.364	ng	97
9) Naphthalene	10.063	128	8361	0.373	ng	100
10) Hexachlorobutadiene	10.362	225	2218	0.429	ng	# 100
12) 2-Methylnaphthalene	11.697	142	5342	0.333	ng	99
16) Acenaphthylene	13.646	152	7309	0.355	ng	99
17) Acenaphthene	13.989	154	4928	0.361	ng	98
18) Fluorene	15.004	166	6392	0.327	ng	100
20) 4,6-Dinitro-2-methylph...	15.122	198	83	0.088	ng	# 1
21) 4-Bromophenyl-phenylether	15.916	248	1999	0.357	ng	96
22) Hexachlorobenzene	16.016	284	2823	0.430	ng	97
23) Atrazine	16.202	200	1573	0.395	ng	97
24) Pentachlorophenol	16.376	266	893	0.312	ng	# 87
25) Phenanthrene	16.748	178	9182	0.349	ng	100
26) Anthracene	16.835	178	8187	0.344	ng	100
28) Fluoranthene	18.789	202	11532	0.325	ng	99
30) Pyrene	19.161	202	11959	0.396	ng	99
32) Benzo(a)anthracene	20.938	228	9399	0.328	ng	100
33) Chrysene	20.992	228	11530	0.391	ng	99
34) Bis(2-ethylhexyl)phtha...	20.911	149	4956	0.439	ng	98
36) Indeno(1,2,3-cd)pyrene	25.067	276	13154	0.366	ng	95
37) Benzo(b)fluoranthene	22.430	252	14730	0.438	ng	97
38) Benzo(k)fluoranthene	22.430	252	14730	0.445	ng	97
39) Benzo(a)pyrene	22.950	252	9834	0.355	ng	# 92
40) Dibenzo(a,h)anthracene	25.085	278	10124	0.357	ng	96
41) Benzo(g,h,i)perylene	25.678	276	11607	0.392	ng	98

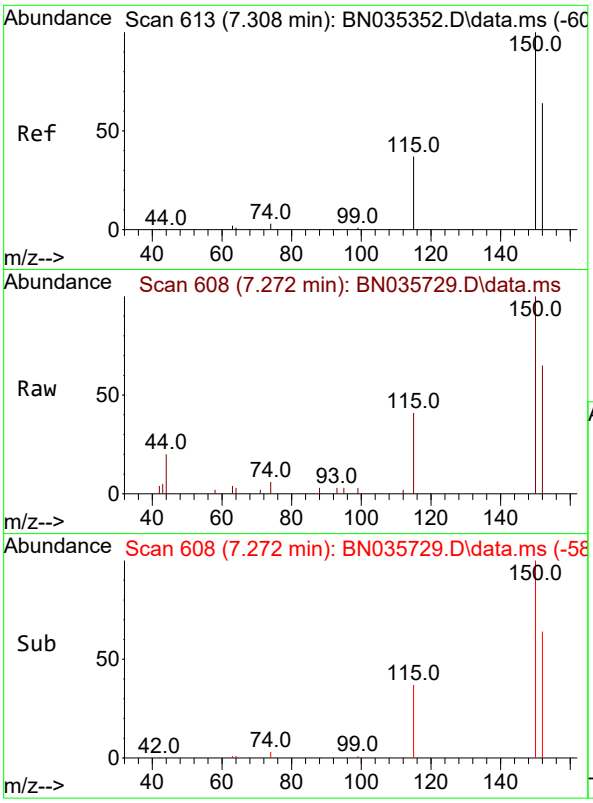
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035729.D
Acq On : 20 Dec 2024 06:10
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Quant Time: Dec 20 06:34:16 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration



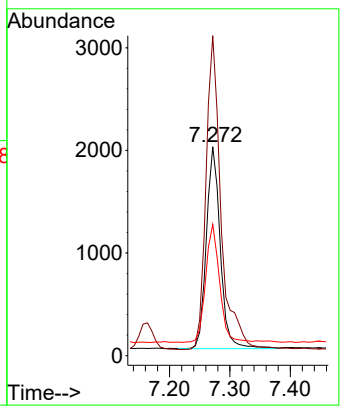


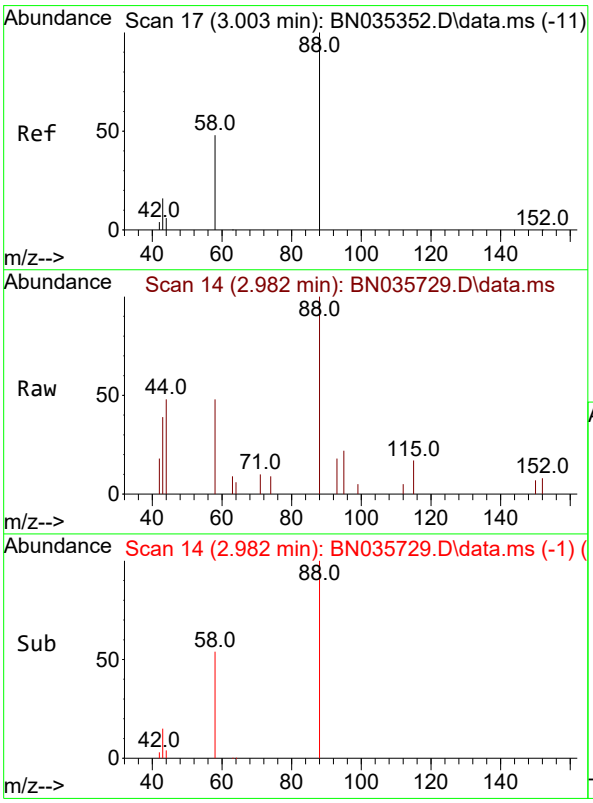
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.272 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 3165

Ion	Ratio	Lower	Upper
152	100		
150	153.1	124.0	186.0
115	62.9	49.6	74.4

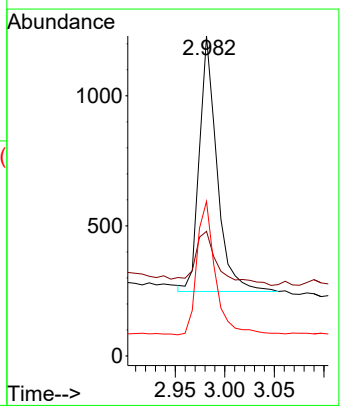


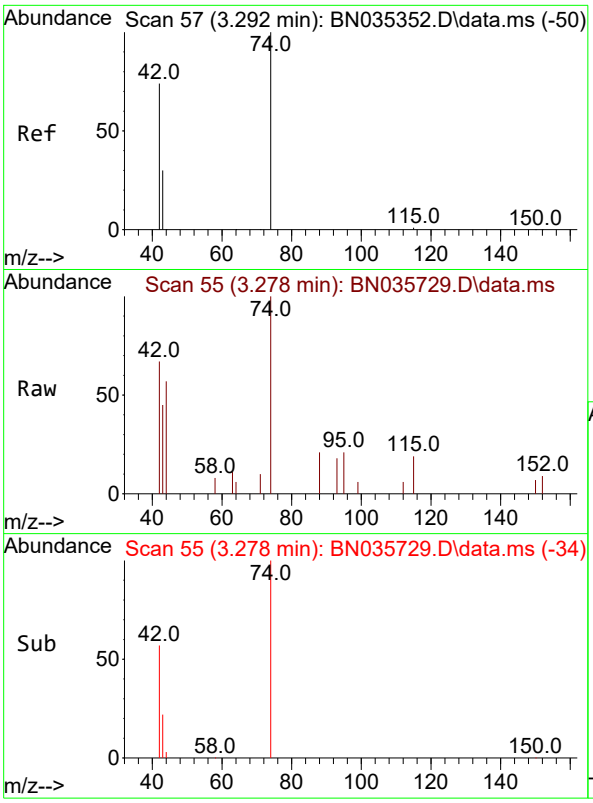


#2
1,4-Dioxane
Concen: 0.402 ng
RT: 2.982 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Tgt Ion: 88 Resp: 1215

Ion	Ratio	Lower	Upper
88	100		
43	28.4	17.2	25.8#
58	55.0	44.5	66.7



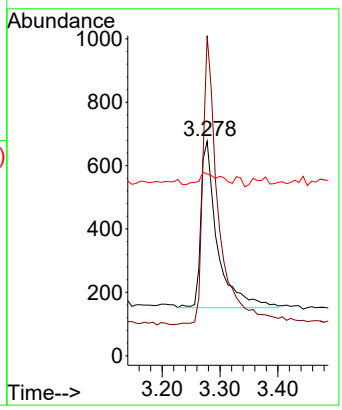


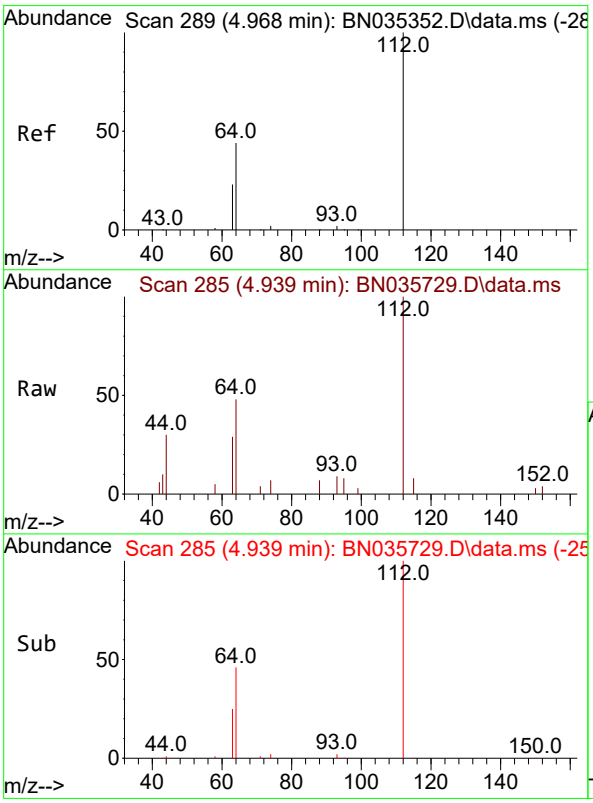
#3
n-Nitrosodimethylamine
Concen: 0.413 ng
RT: 3.278 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 42 Resp: 1040

Ion	Ratio	Lower	Upper
42	100		
74	163.8	124.9	187.3
44	8.6	2.2	3.4#

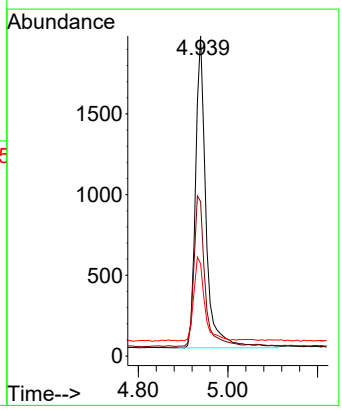


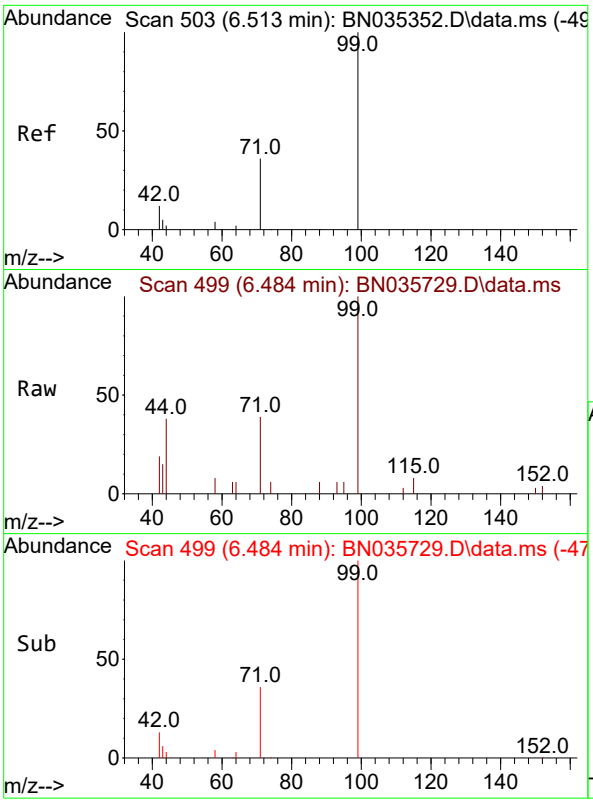


#4
2-Fluorophenol
Concen: 0.397 ng
RT: 4.939 min Scan# 285
Delta R.T. -0.000 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Tgt Ion:112 Resp: 3146

Ion	Ratio	Lower	Upper
112	100		
64	50.4	39.8	59.8
63	27.7	21.0	31.6



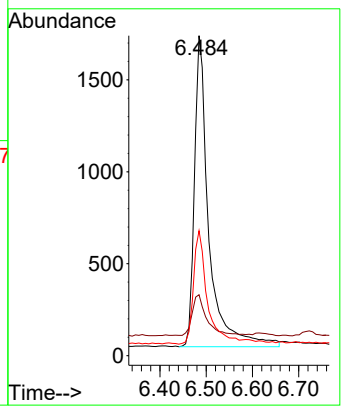


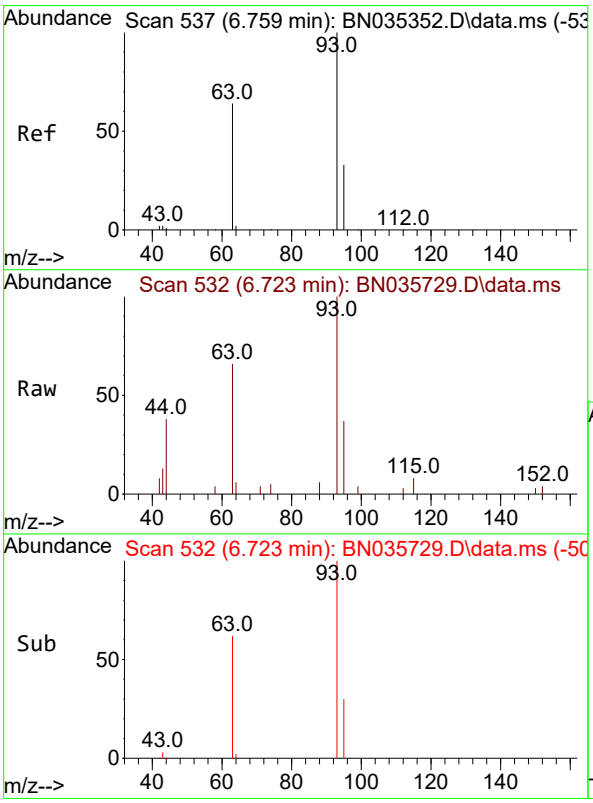
#5
Phenol-d6
Concen: 0.384 ng
RT: 6.484 min Scan# 4
Delta R.T. -0.007 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 99 Resp: 3662

Ion	Ratio	Lower	Upper
99	100		
42	13.1	11.4	17.2
71	35.0	29.3	43.9

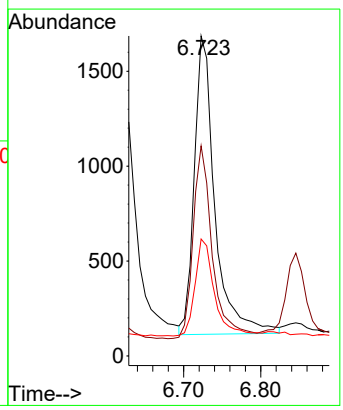


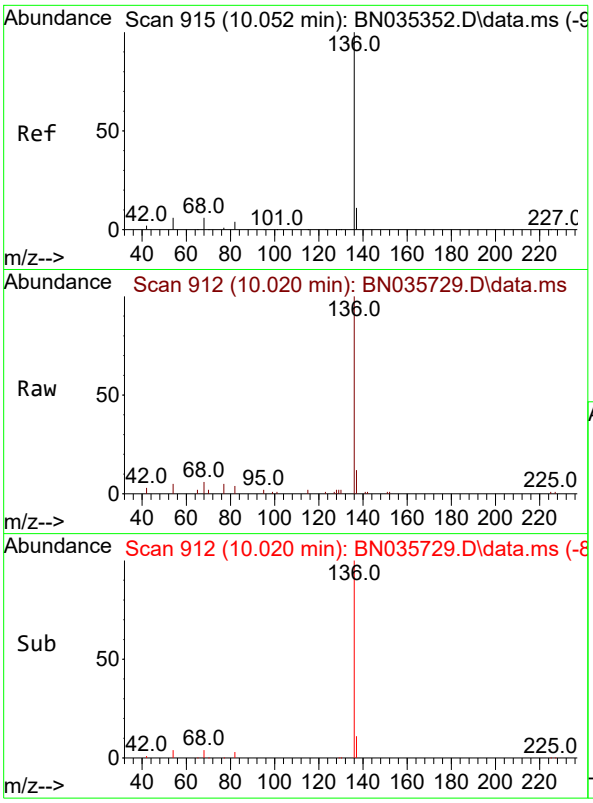


#6
bis(2-Chloroethyl)ether
Concen: 0.364 ng
RT: 6.723 min Scan# 532
Delta R.T. -0.007 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Tgt Ion: 93 Resp: 2915

Ion	Ratio	Lower	Upper
93	100		
63	60.8	50.4	75.6
95	30.7	25.7	38.5



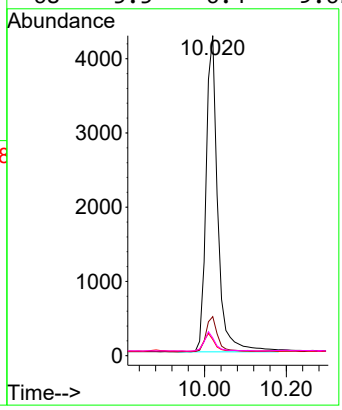


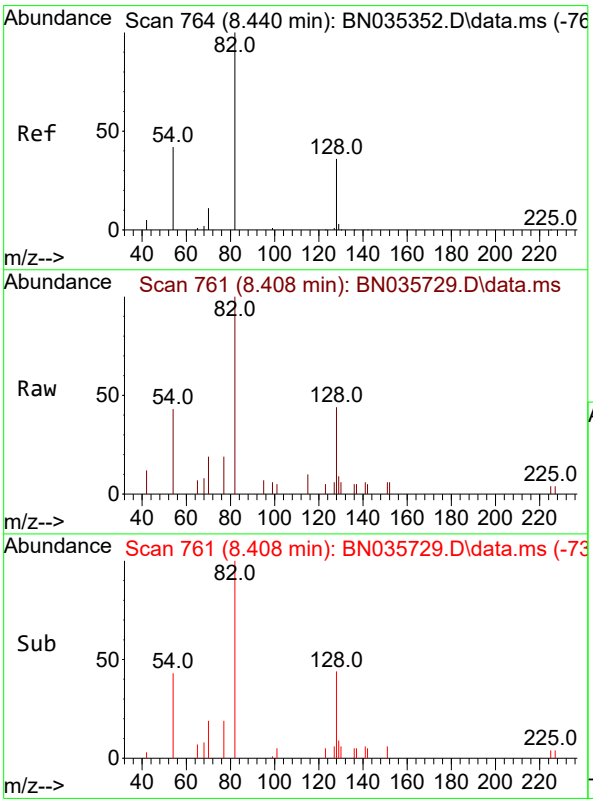
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.020 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:136 Resp: 8502

Ion	Ratio	Lower	Upper
136	100		
137	12.2	10.2	15.2
54	5.1	6.1	9.1#
68	5.5	6.4	9.6#

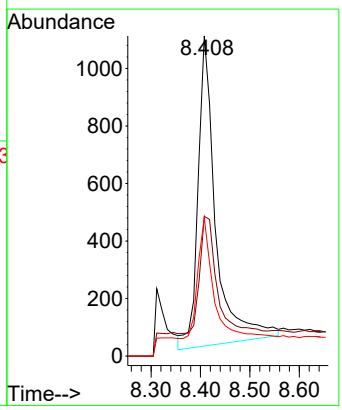


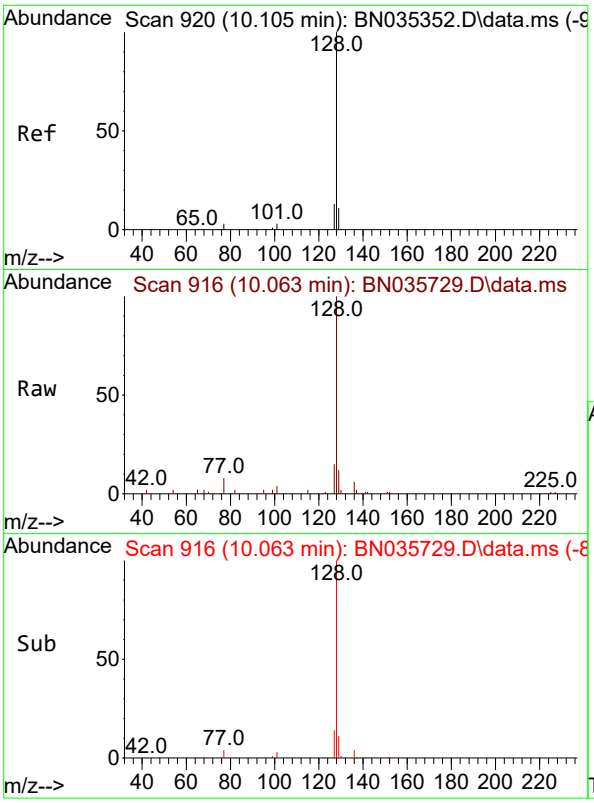


#8
Nitrobenzene-d5
Concen: 0.518 ng
RT: 8.408 min Scan# 761
Delta R.T. -0.000 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Tgt Ion: 82 Resp: 2689

Ion	Ratio	Lower	Upper
82	100		
128	43.7	33.4	50.0
54	43.2	36.7	55.1



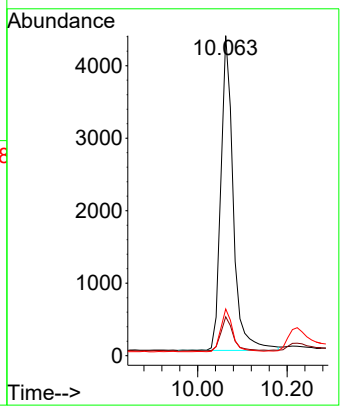


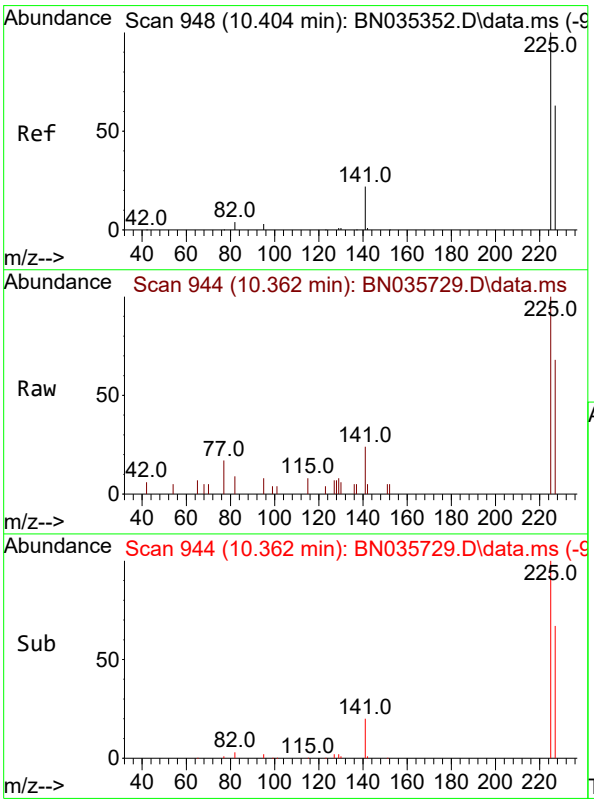
#9
Naphthalene
Concen: 0.373 ng
RT: 10.063 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:128 Resp: 8361

Ion	Ratio	Lower	Upper
128	100		
129	12.1	9.8	14.6
127	14.6	11.4	17.2

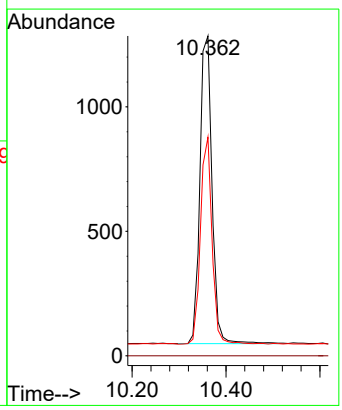


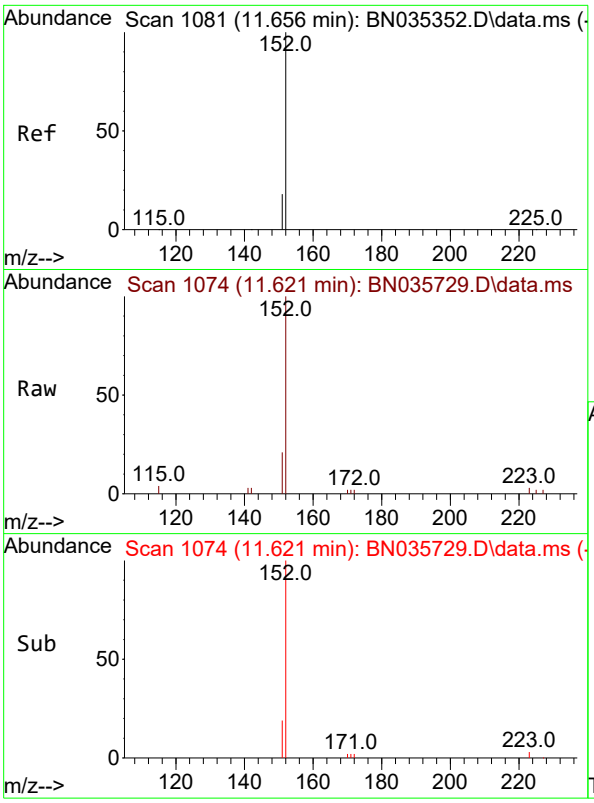


#10
Hexachlorobutadiene
Concen: 0.429 ng
RT: 10.362 min Scan# 944
Delta R.T. -0.000 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Tgt Ion:225 Resp: 2218

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.2	51.3	76.9



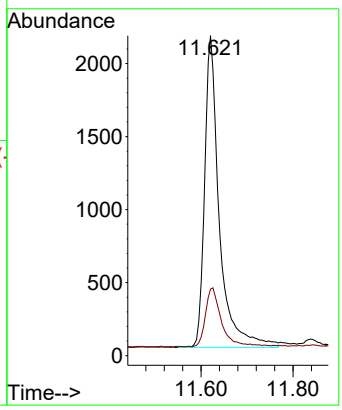


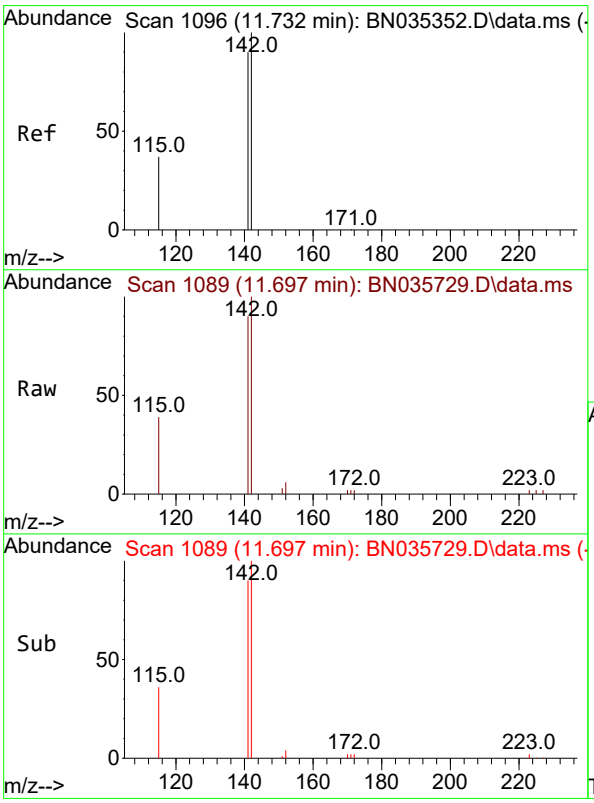
#11
2-Methylnaphthalene-d10
Concen: 0.356 ng
RT: 11.621 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 4731

Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.6	25.0

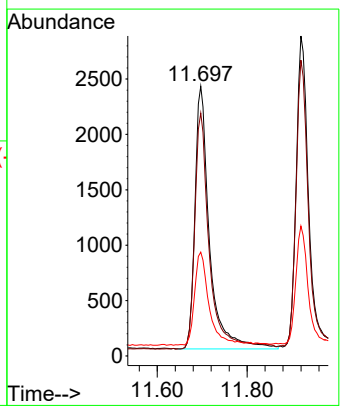


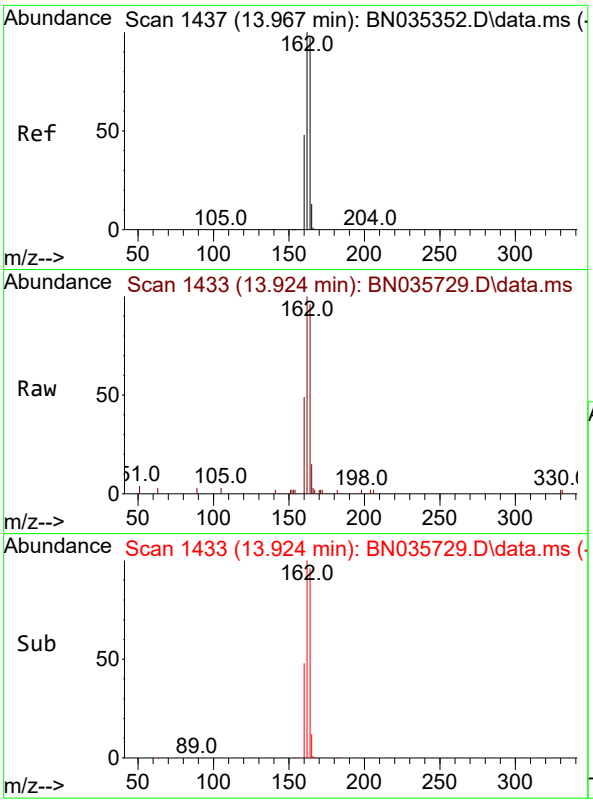


#12
2-Methylnaphthalene
Concen: 0.333 ng
RT: 11.697 min Scan# 1089
Delta R.T. -0.000 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Tgt Ion:142 Resp: 5342

Ion	Ratio	Lower	Upper
142	100		
141	90.0	72.2	108.4
115	38.5	31.4	47.0



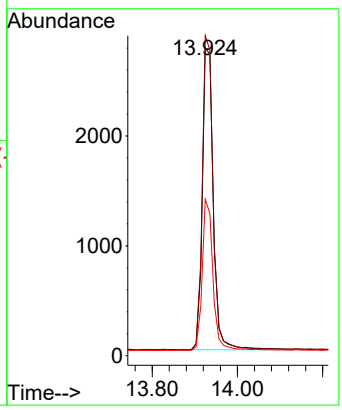


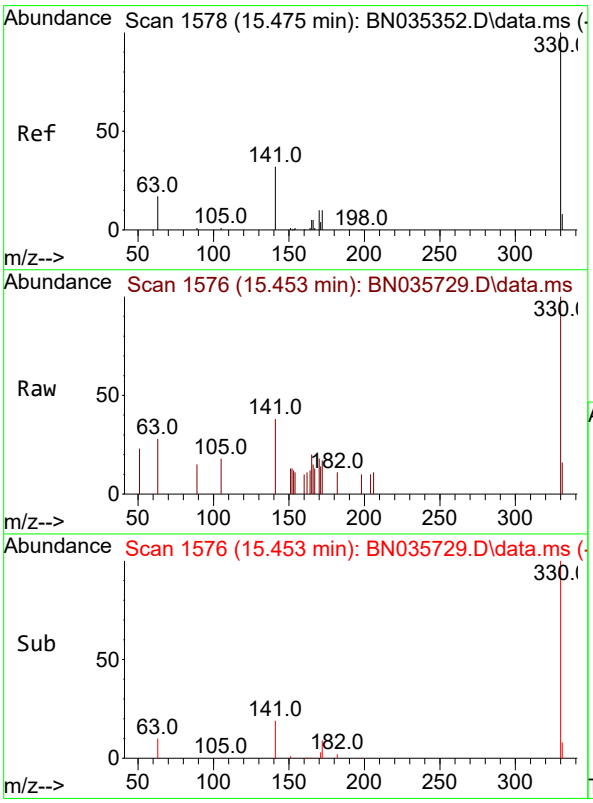
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.924 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:164 Resp: 4899

Ion	Ratio	Lower	Upper
164	100		
162	104.0	82.2	123.2
160	50.8	40.1	60.1

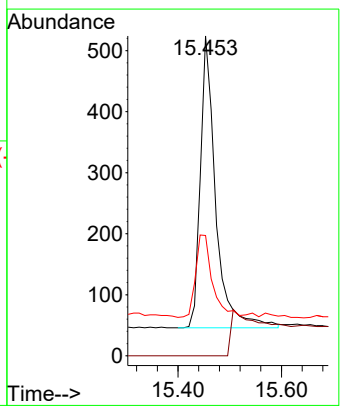


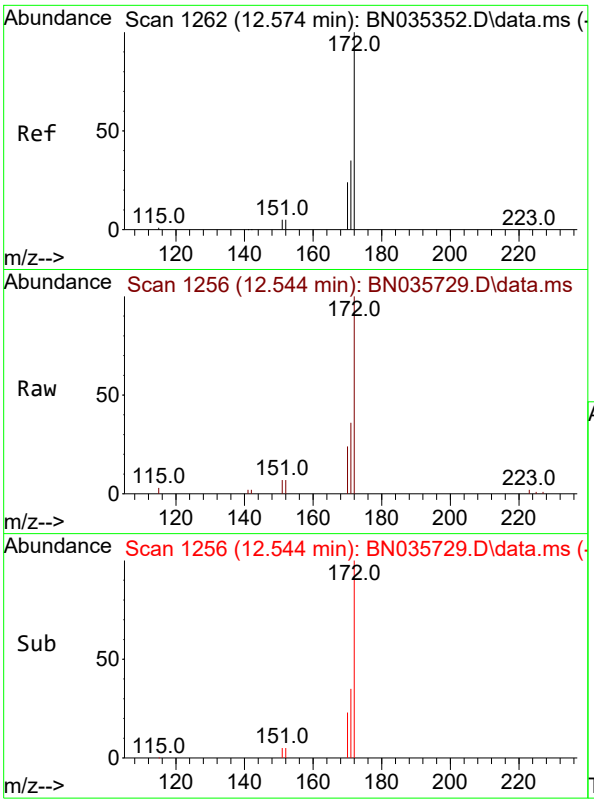


#14
2,4,6-Tribromophenol
Concen: 0.298 ng
RT: 15.453 min Scan# 1576
Delta R.T. -0.000 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Tgt Ion:330 Resp: 1038

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	30.1	26.6	40.0



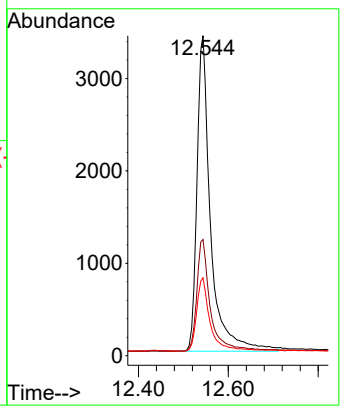


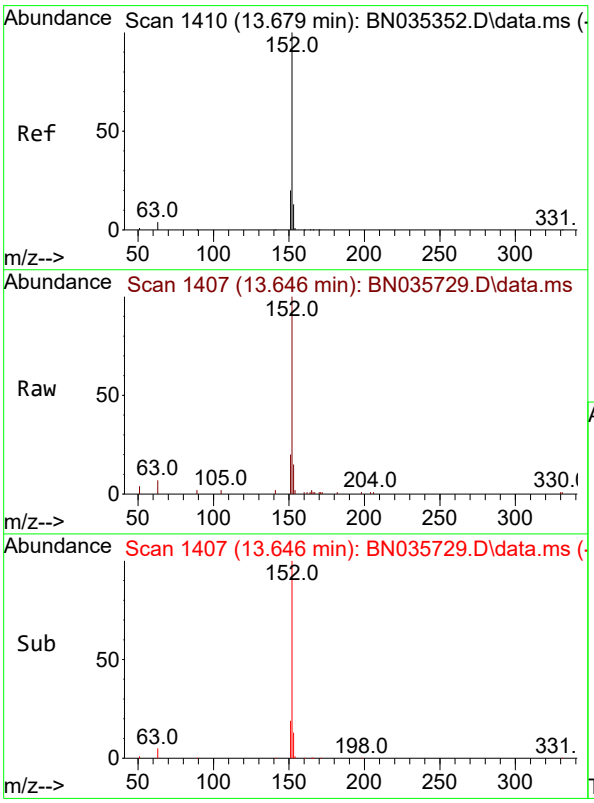
#15
2-Fluorobiphenyl
Concen: 0.388 ng
RT: 12.544 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:172 Resp: 7182

Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.0	43.4
170	24.3	19.8	29.8

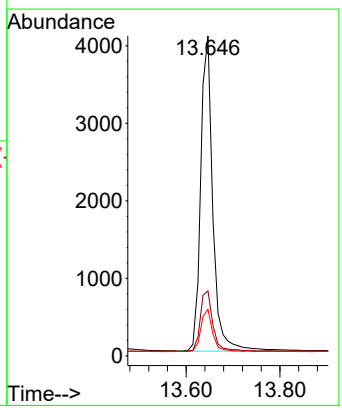


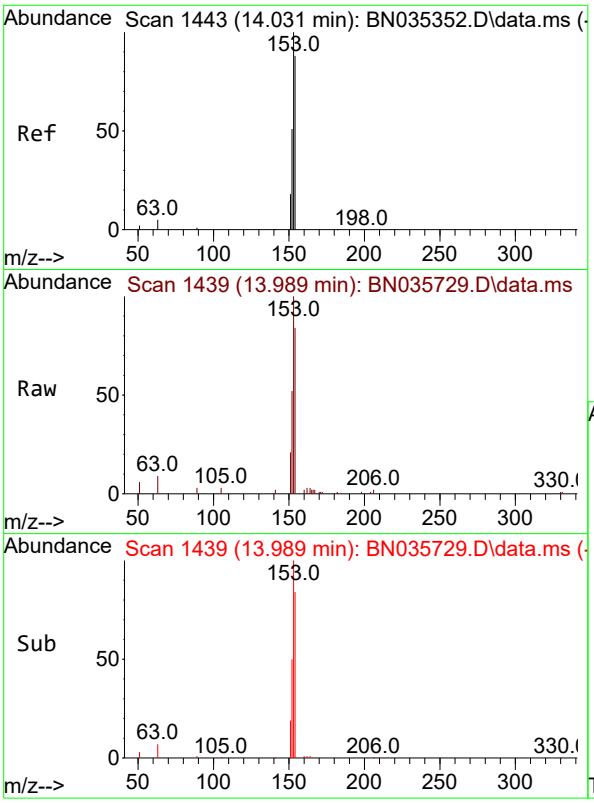


#16
Acenaphthylene
Concen: 0.355 ng
RT: 13.646 min Scan# 1407
Delta R.T. -0.000 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Tgt Ion:152 Resp: 7309

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.2	24.2
153	13.1	10.4	15.6



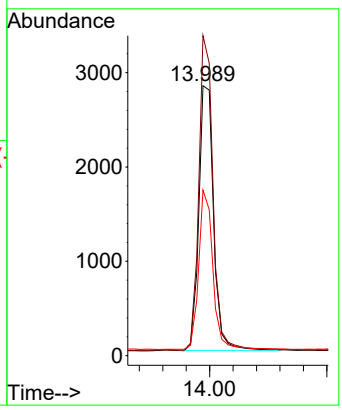


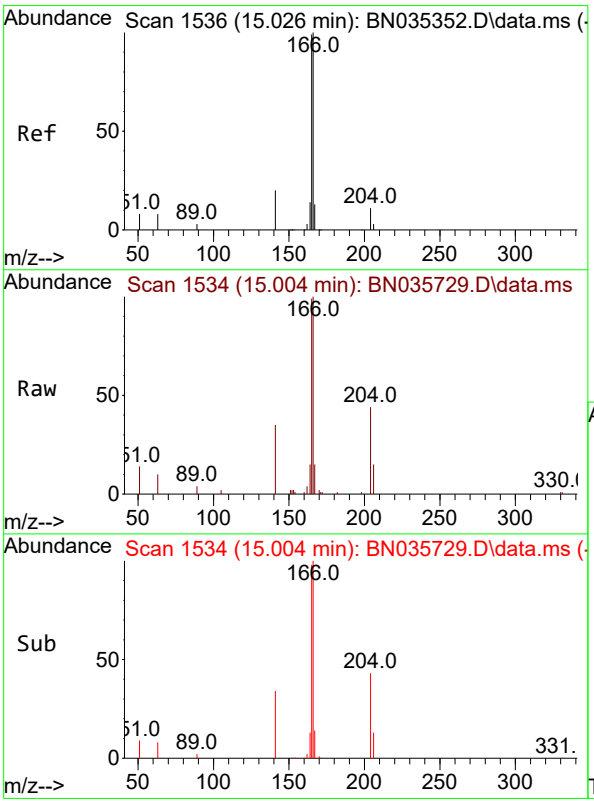
#17
Acenaphthene
Concen: 0.361 ng
RT: 13.989 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:154 Resp: 4928

Ion	Ratio	Lower	Upper
154	100		
153	115.2	92.6	139.0
152	57.9	49.0	73.6

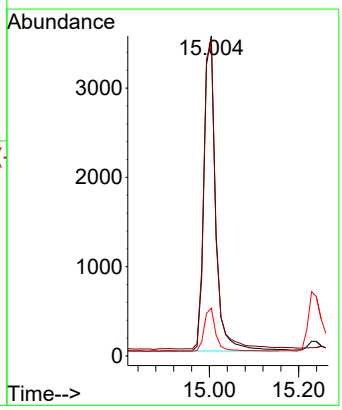


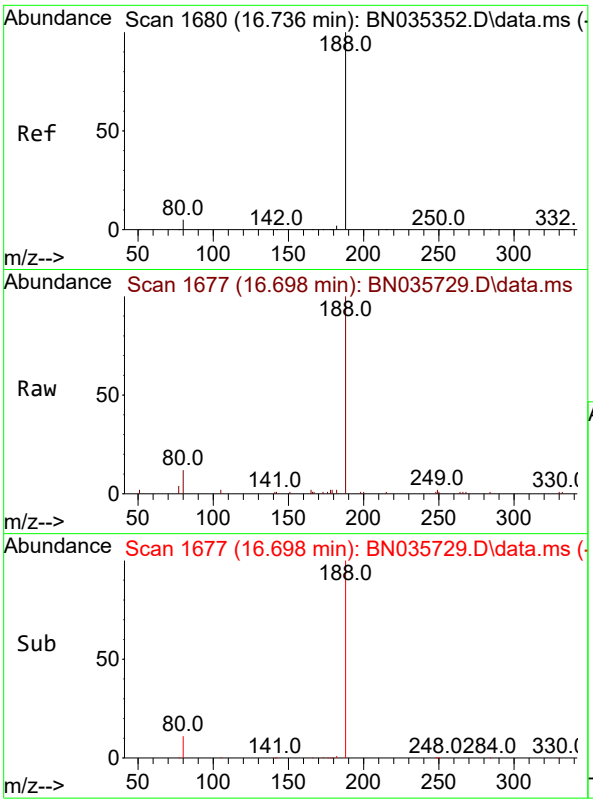


#18
Fluorene
Concen: 0.327 ng
RT: 15.004 min Scan# 1534
Delta R.T. -0.000 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Tgt Ion:166 Resp: 6392

Ion	Ratio	Lower	Upper
166	100		
165	99.1	79.7	119.5
167	13.7	10.8	16.2



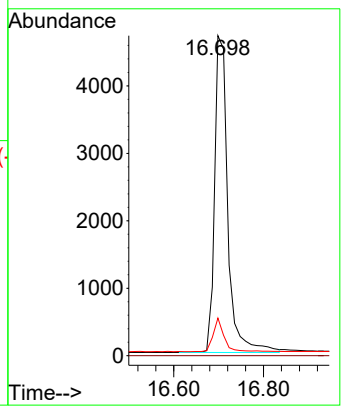


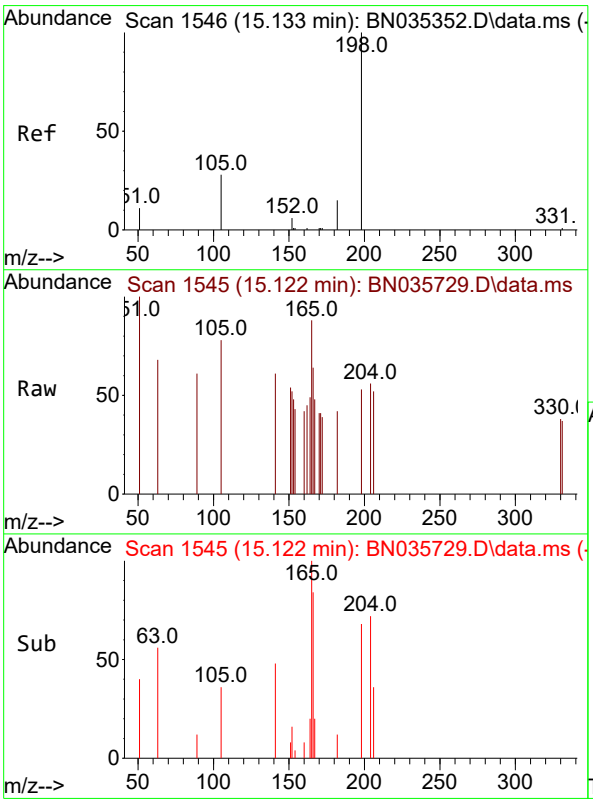
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.698 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:188 Resp: 9568

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.7	4.6	6.8#

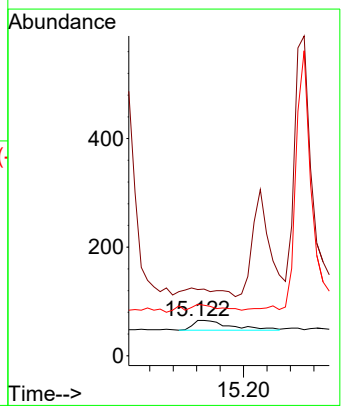


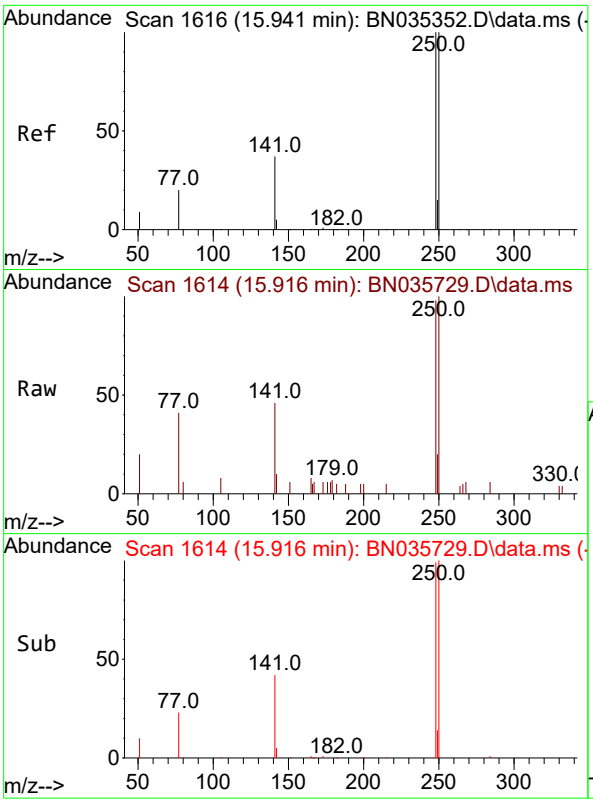


#20
4,6-Dinitro-2-methylphenol
Concen: 0.088 ng
RT: 15.122 min Scan# 1545
Delta R.T. -0.000 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Tgt Ion:198 Resp: 83

Ion	Ratio	Lower	Upper
198	100		
51	187.7	46.5	69.7#
105	146.2	45.3	67.9#



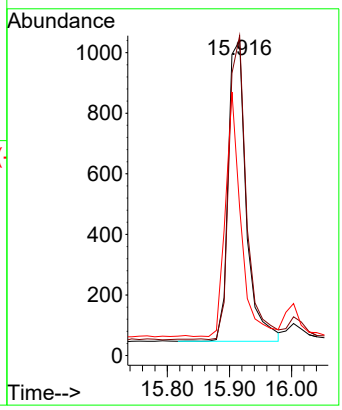


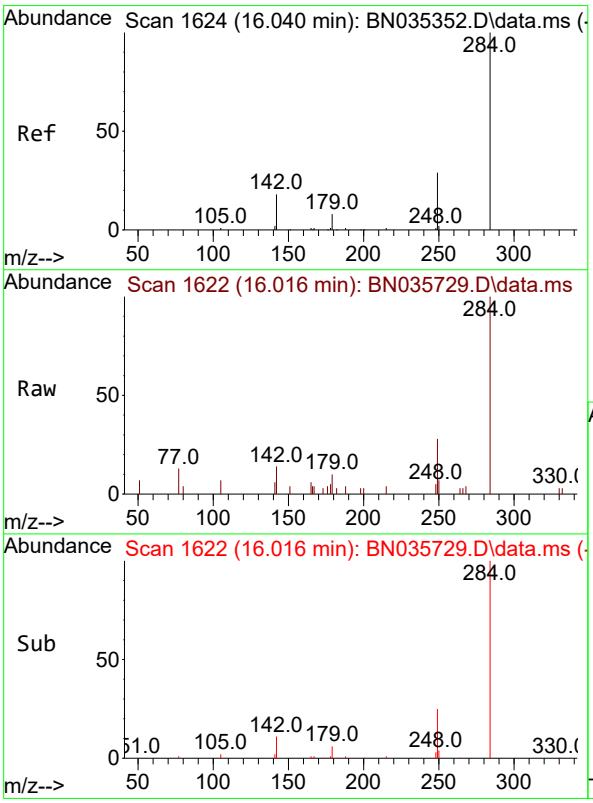
#21
4-Bromophenyl-phenylether
Concen: 0.357 ng
RT: 15.916 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:248 Resp: 1999

Ion	Ratio	Lower	Upper
248	100		
250	101.5	80.6	120.8
141	46.9	31.5	47.3

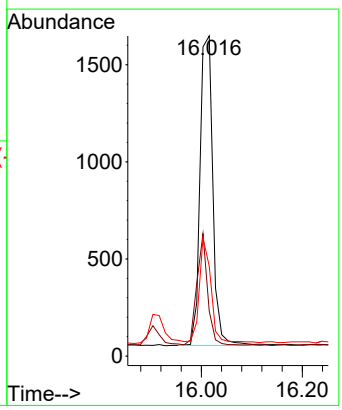


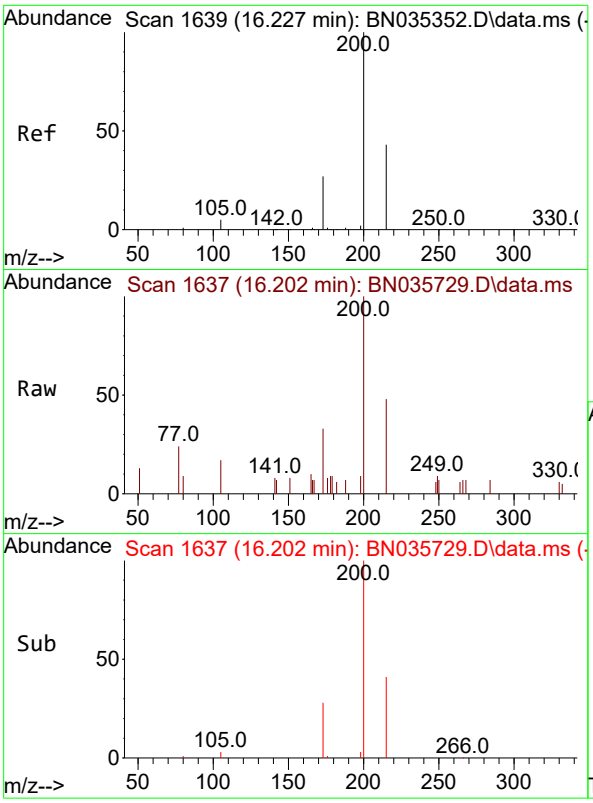


#22
Hexachlorobenzene
Concen: 0.430 ng
RT: 16.016 min Scan# 1622
Delta R.T. -0.000 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Tgt Ion:284 Resp: 2823

Ion	Ratio	Lower	Upper
284	100		
142	29.9	26.7	40.1
249	30.8	24.6	36.8



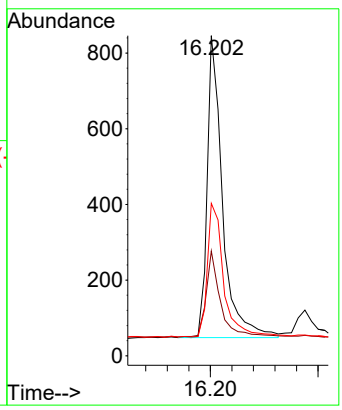


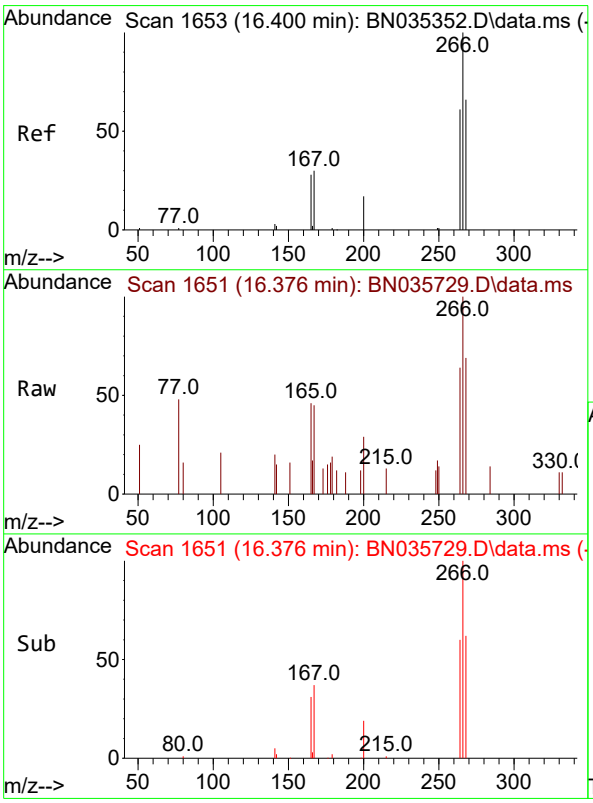
#23
Atrazine
Concen: 0.395 ng
RT: 16.202 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:200 Resp: 1573

Ion	Ratio	Lower	Upper
200	100		
173	32.7	24.1	36.1
215	47.6	36.9	55.3

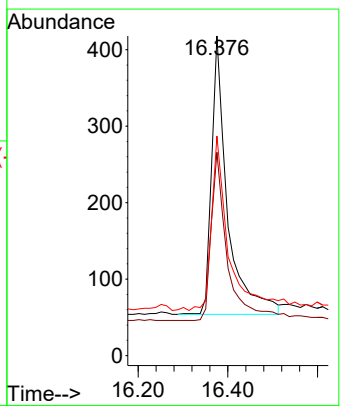


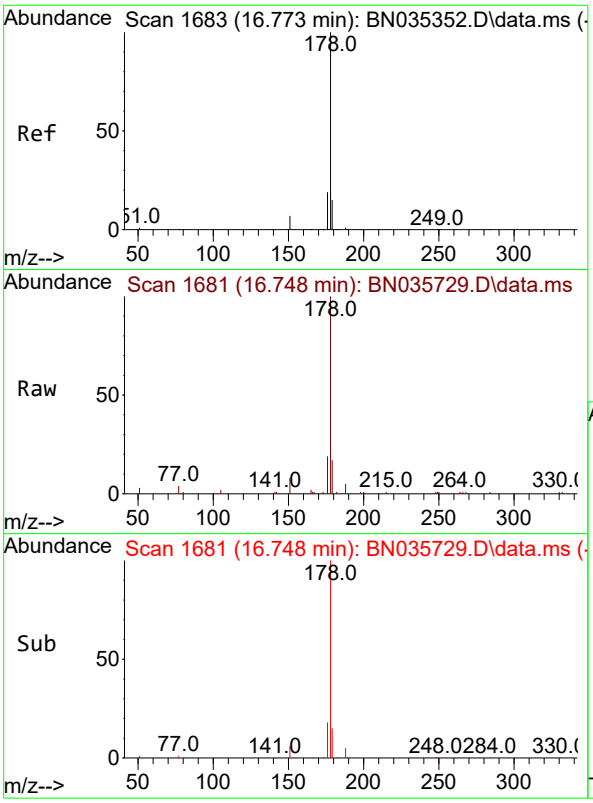


#24
Pentachlorophenol
Concen: 0.312 ng
RT: 16.376 min Scan# 1651
Delta R.T. -0.000 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Tgt Ion:266 Resp: 893

Ion	Ratio	Lower	Upper
266	100		
264	60.9	42.3	63.5
268	65.2	43.3	64.9#



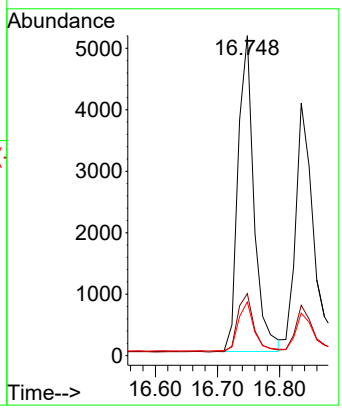


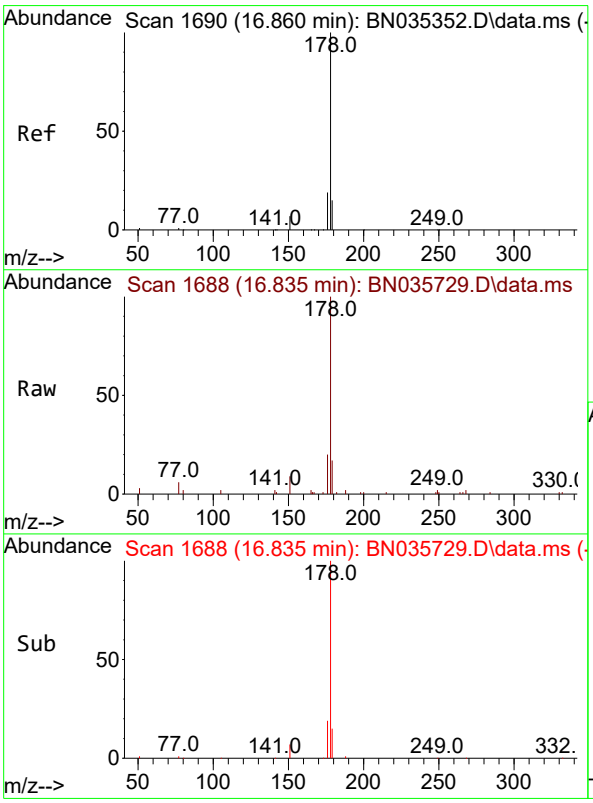
#25
Phenanthrene
Concen: 0.349 ng
RT: 16.748 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:178 Resp: 9182

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	15.5	12.3	18.5

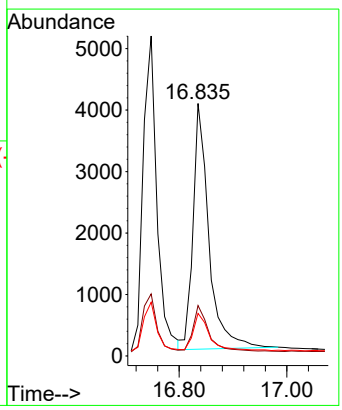


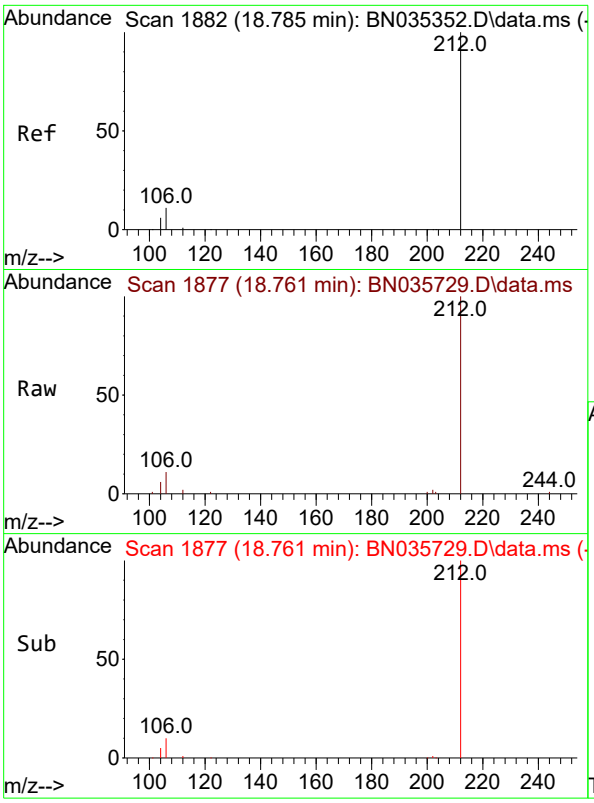


#26
Anthracene
Concen: 0.344 ng
RT: 16.835 min Scan# 1688
Delta R.T. -0.000 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Tgt Ion:178 Resp: 8187

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.6
179	15.7	12.6	18.8



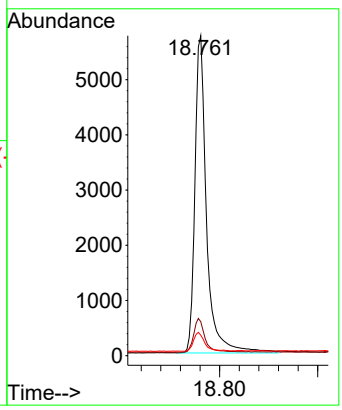


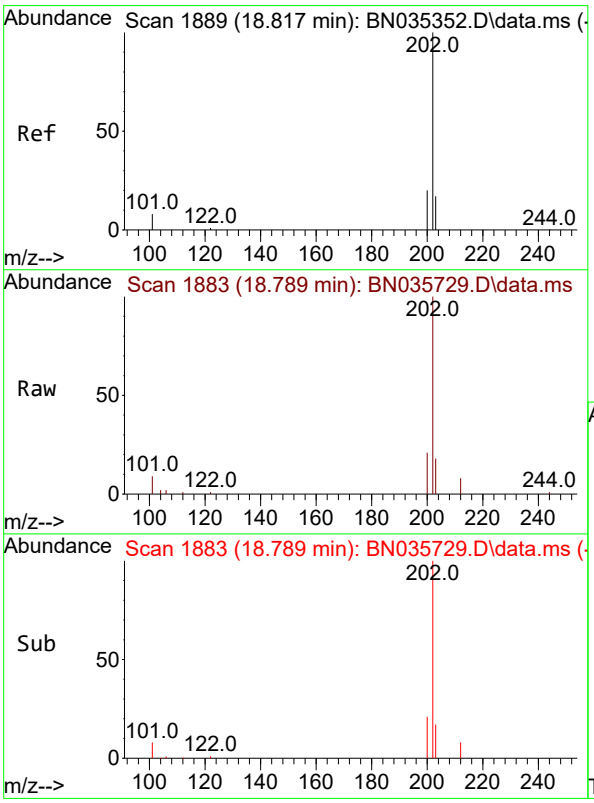
#27
Fluoranthene-d10
Concen: 0.349 ng
RT: 18.761 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:212 Resp: 9464

Ion	Ratio	Lower	Upper
212	100		
106	10.3	9.2	13.8
104	5.9	5.3	7.9

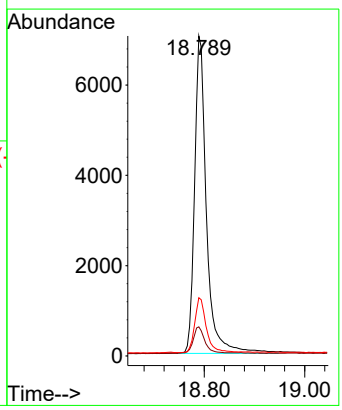


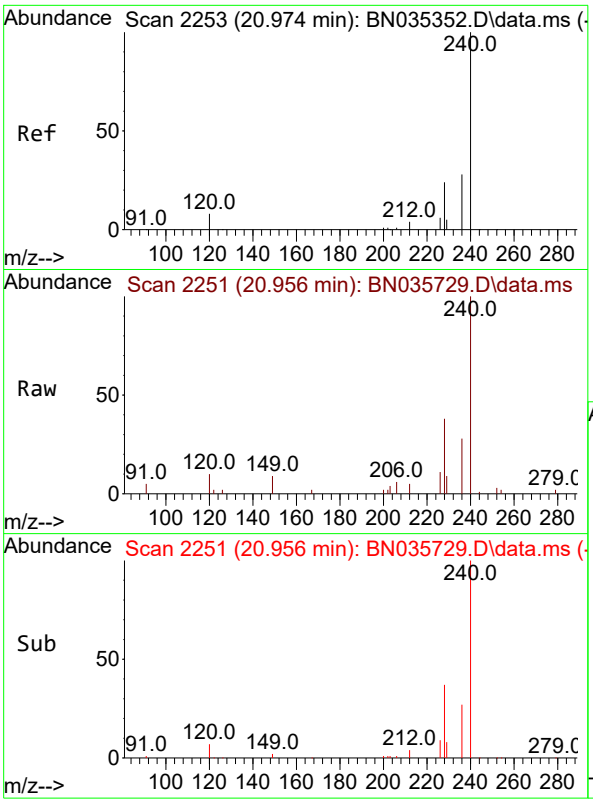


#28
Fluoranthene
Concen: 0.325 ng
RT: 18.789 min Scan# 1883
Delta R.T. -0.000 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Tgt Ion:202 Resp: 11532

Ion	Ratio	Lower	Upper
202	100		
101	8.4	7.4	11.0
203	16.9	13.7	20.5



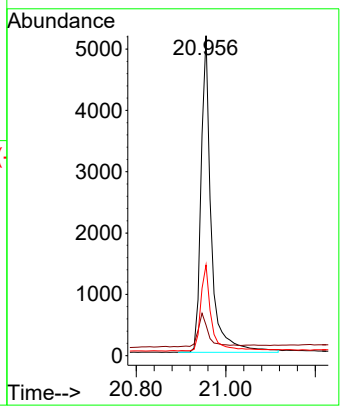


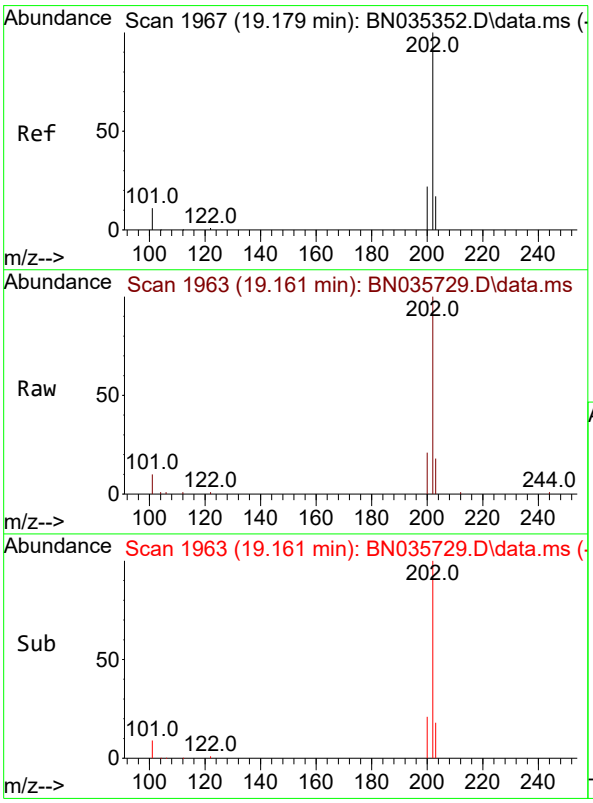
#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.956 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:240 Resp: 8180

Ion	Ratio	Lower	Upper
240	100		
120	9.5	7.9	11.9
236	28.3	22.9	34.3

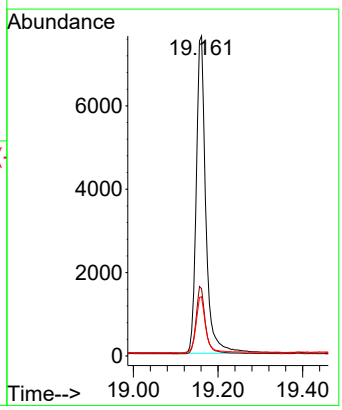


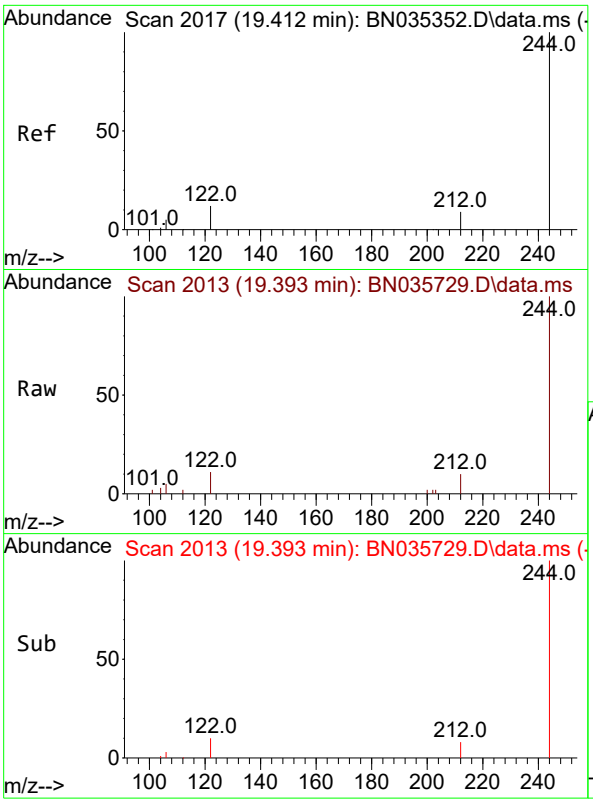


#30
Pyrene
Concen: 0.396 ng
RT: 19.161 min Scan# 1963
Delta R.T. -0.000 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Tgt Ion:202 Resp: 11959

Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.0	25.4
203	18.2	14.3	21.5



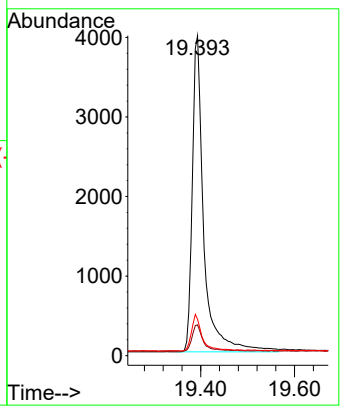


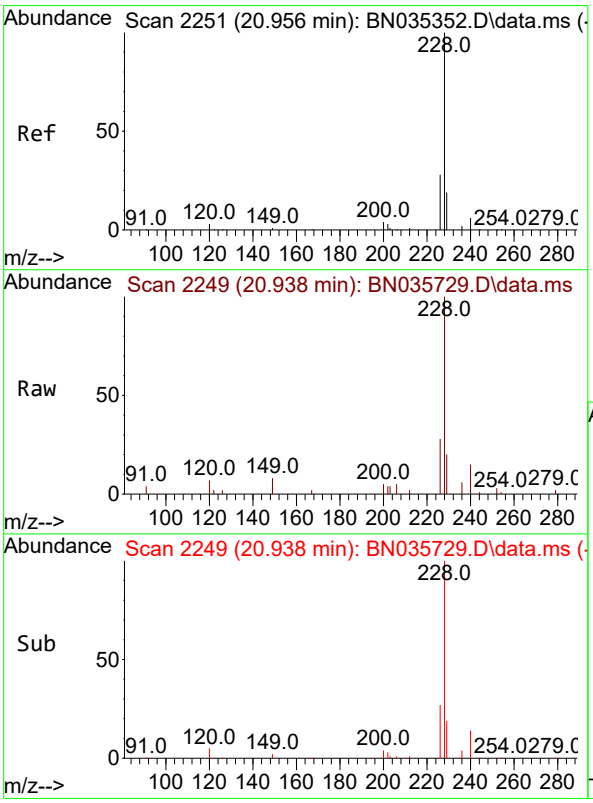
#31
Terphenyl-d14
Concen: 0.421 ng
RT: 19.393 min Scan# 2
Delta R.T. 0.005 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:244 Resp: 6786

Ion	Ratio	Lower	Upper
244	100		
212	9.6	8.1	12.1
122	11.4	10.3	15.5

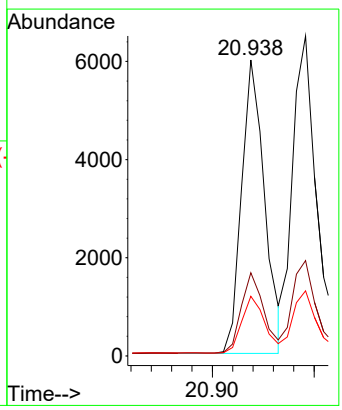


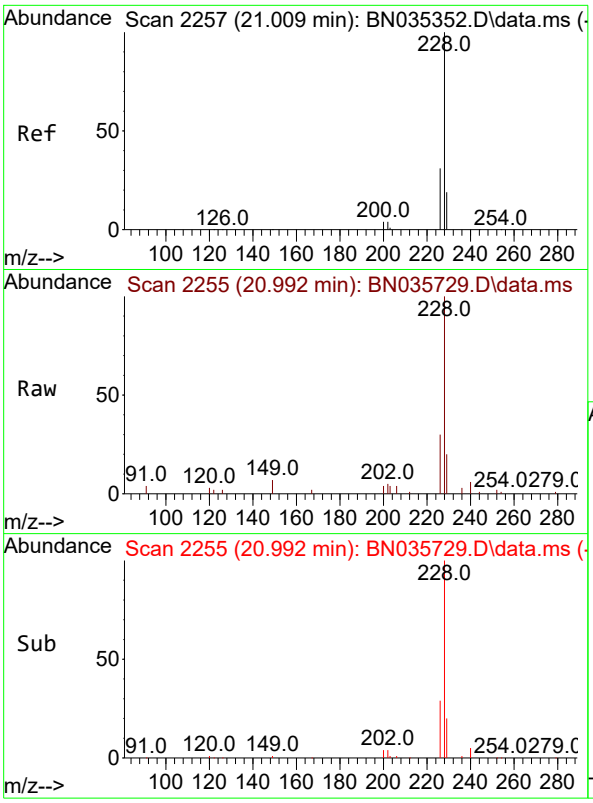


#32
Benzo(a)anthracene
Concen: 0.328 ng
RT: 20.938 min Scan# 2249
Delta R.T. -0.000 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Tgt Ion:228 Resp: 9399

Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.5	33.7
229	20.1	15.8	23.8



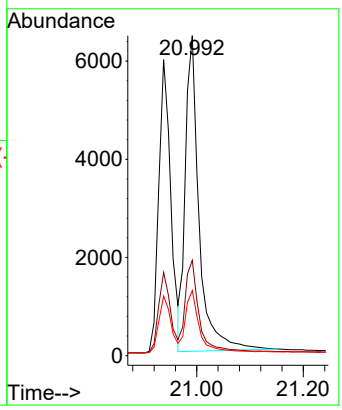


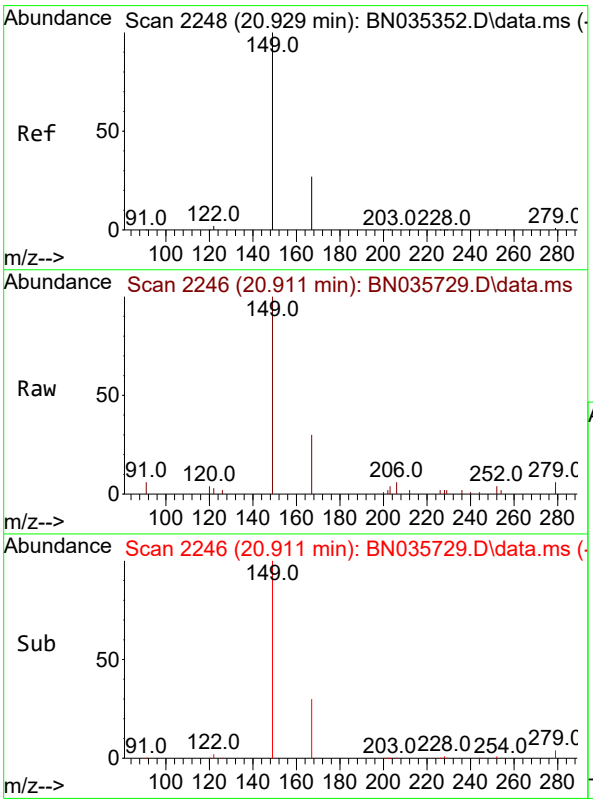
#33
Chrysene
Concen: 0.391 ng
RT: 20.992 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:228 Resp: 11530

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.6	37.0
229	20.3	15.9	23.9

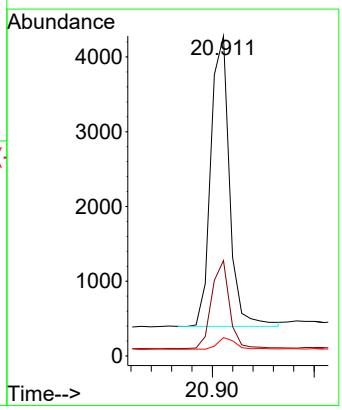


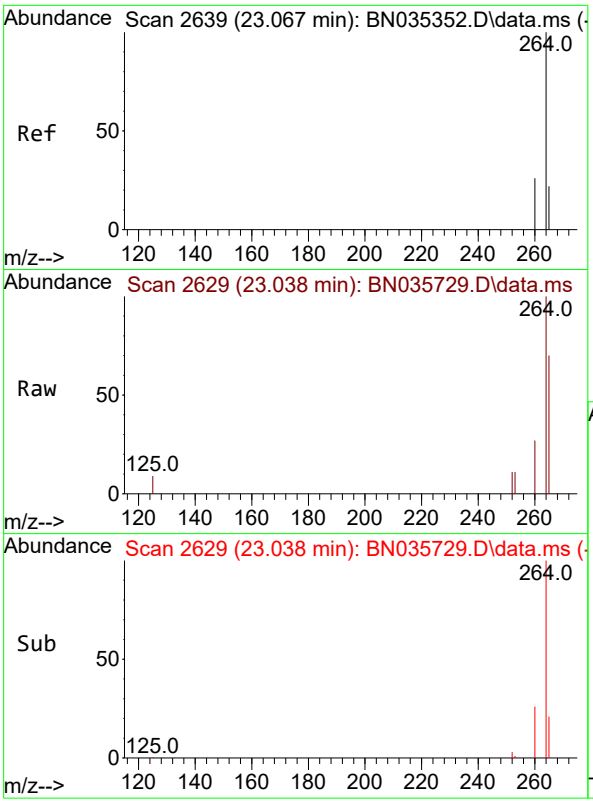


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.439 ng
RT: 20.911 min Scan# 2246
Delta R.T. -0.000 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Tgt Ion:149 Resp: 4956

Ion	Ratio	Lower	Upper
149	100		
167	29.1	22.2	33.4
279	4.0	2.7	4.1



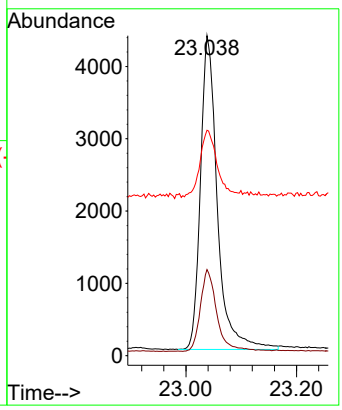


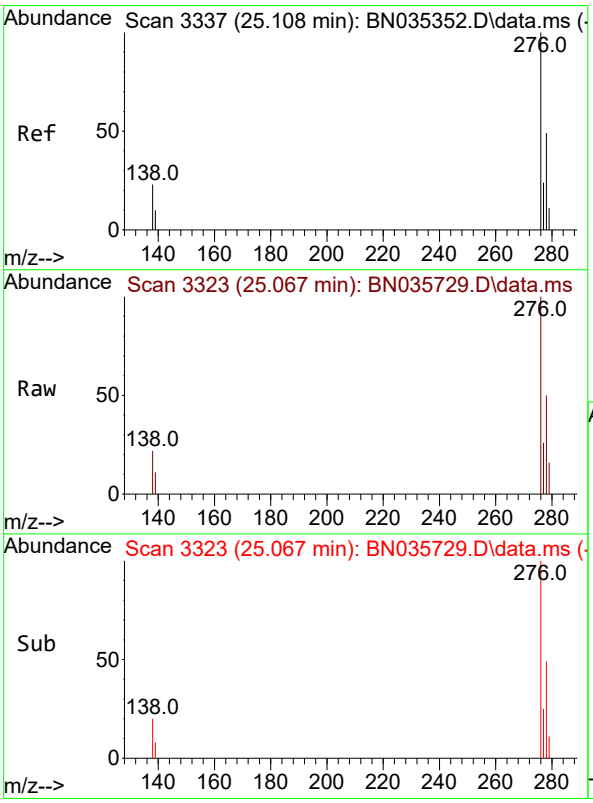
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.038 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:264 Resp: 9191

Ion	Ratio	Lower	Upper
264	100		
260	26.9	21.4	32.2
265	70.5	40.2	60.4#

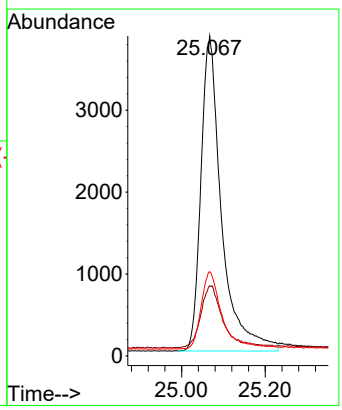


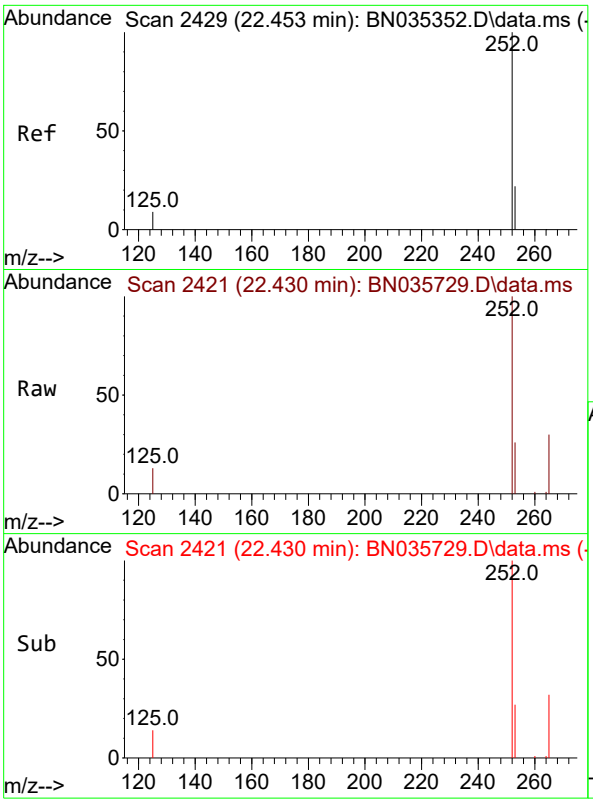


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.366 ng
RT: 25.067 min Scan# 3323
Delta R.T. -0.000 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Tgt Ion:276 Resp: 13154

Ion	Ratio	Lower	Upper
276	100		
138	20.1	19.4	29.0
277	23.9	19.8	29.6



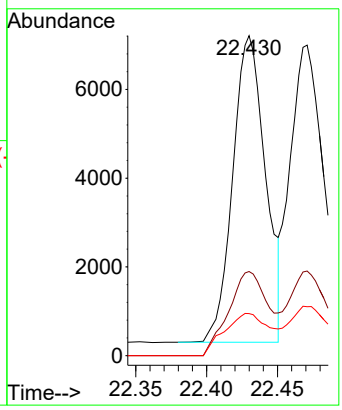


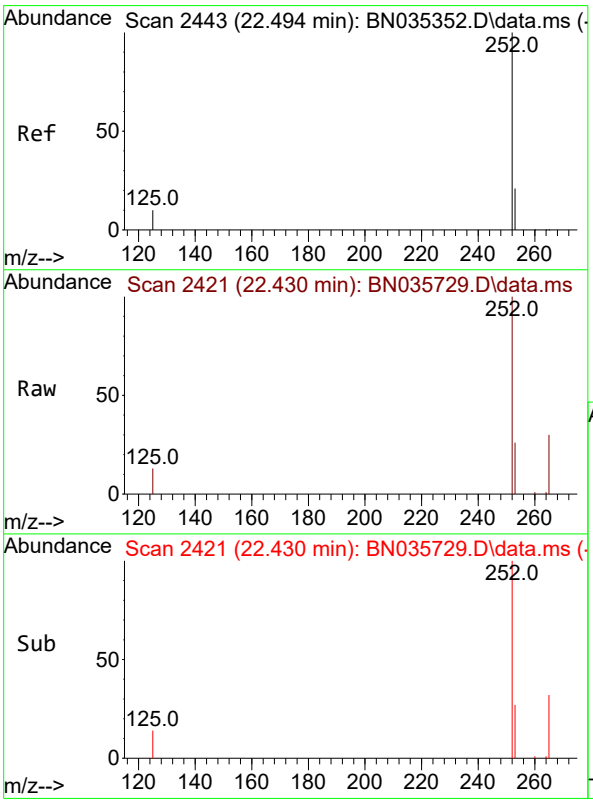
#37
Benzo(b)fluoranthene
Concen: 0.438 ng
RT: 22.430 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 14730

Ion	Ratio	Lower	Upper
252	100		
253	26.3	19.6	29.4
125	13.2	9.6	14.4

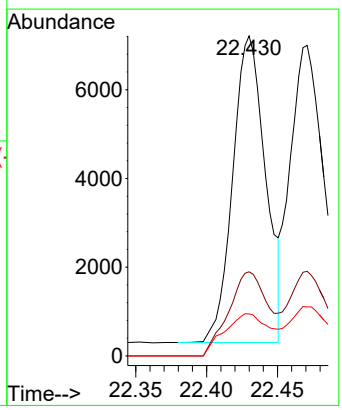


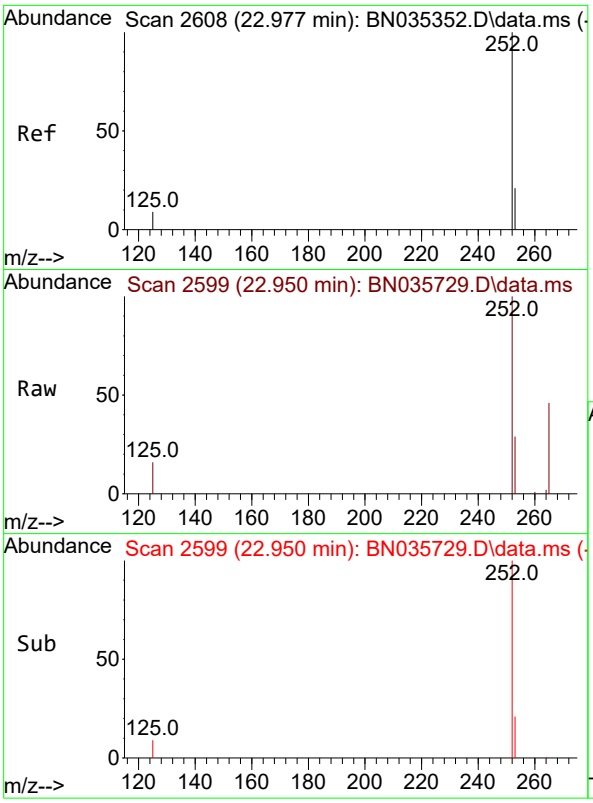


#38
Benzo(k)fluoranthene
Concen: 0.445 ng
RT: 22.430 min Scan# 2421
Delta R.T. -0.041 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Tgt Ion:252 Resp: 14730

Ion	Ratio	Lower	Upper
252	100		
253	26.3	19.5	29.3
125	13.2	10.2	15.4



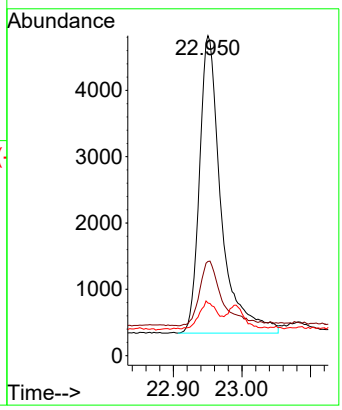


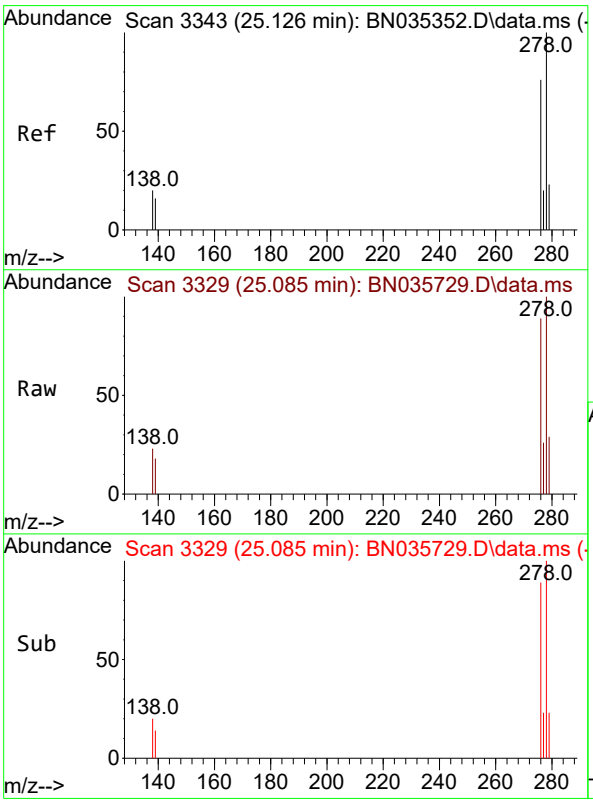
#39
Benzo(a)pyrene
Concen: 0.355 ng
RT: 22.950 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 9834

Ion	Ratio	Lower	Upper
252	100		
253	29.5	20.2	30.4
125	16.5	10.9	16.3#

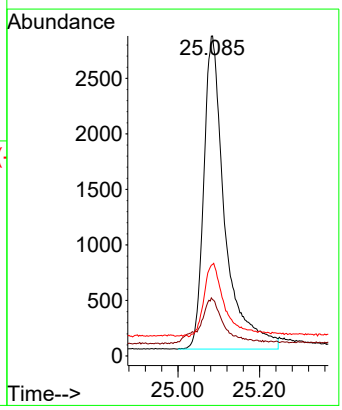


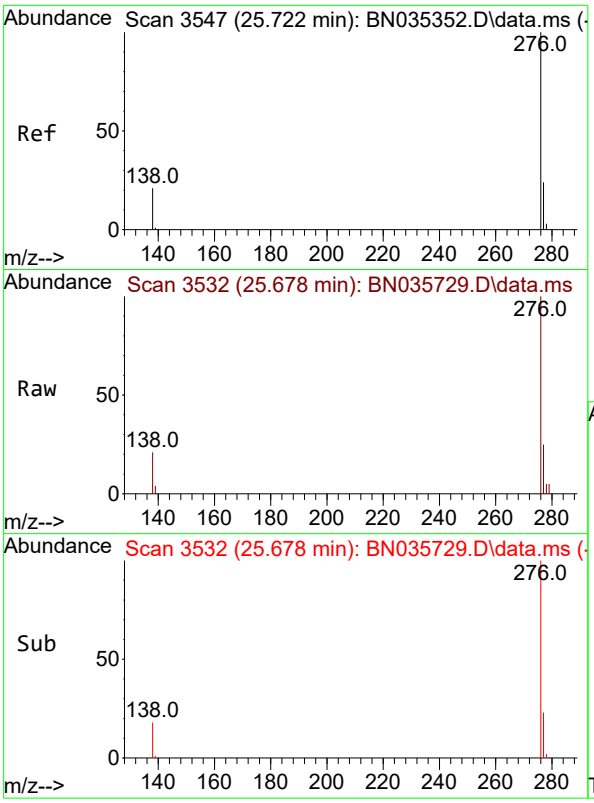


#40
Dibenzo(a,h)anthracene
Concen: 0.357 ng
RT: 25.085 min Scan# 3329
Delta R.T. 0.003 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Tgt Ion:278 Resp: 10124

Ion	Ratio	Lower	Upper
278	100		
139	17.6	14.2	21.4
279	28.6	20.5	30.7



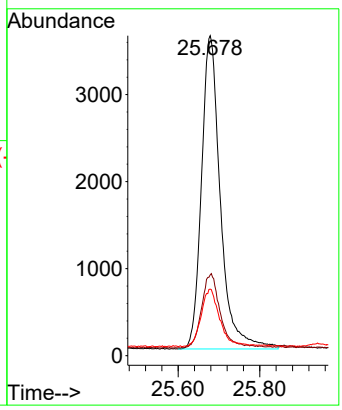


#41
Benzo(g,h,i)perylene
Concen: 0.392 ng
RT: 25.678 min Scan# 3
Delta R.T. -0.000 min
Lab File: BN035729.D
Acq: 20 Dec 2024 06:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 11607

Ion	Ratio	Lower	Upper
276	100		
277	25.3	19.9	29.9
138	20.8	17.8	26.8



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035731.D
Acq On : 20 Dec 2024 08:04
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Dec 20 08:27:53 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.271	152	3239	0.400	ng		0.00
7) Naphthalene-d8	10.020	136	8431	0.400	ng	#	0.00
13) Acenaphthene-d10	13.924	164	5341	0.400	ng		-0.01
19) Phenanthrene-d10	16.698	188	10575	0.400	ng	#	0.00
29) Chrysene-d12	20.956	240	8878	0.400	ng		0.00
35) Perylene-d12	23.038	264	9229	0.400	ng	#	0.00
System Monitoring Compounds							
4) 2-Fluorophenol	4.939	112	3206	0.396	ng		0.00
5) Phenol-d6	6.484	99	3691	0.379	ng		0.00
8) Nitrobenzene-d5	8.408	82	2692	0.523	ng		0.00
11) 2-Methylnaphthalene-d10	11.621	152	4741	0.359	ng		0.00
14) 2,4,6-Tribromophenol	15.453	330	1180	0.311	ng		0.00
15) 2-Fluorobiphenyl	12.538	172	7347	0.364	ng		0.00
27) Fluoranthene-d10	18.761	212	10416	0.347	ng		0.00
31) Terphenyl-d14	19.388	244	7453	0.426	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.981	88	1312	0.424	ng		96
3) n-Nitrosodimethylamine	3.278	42	1070	0.415	ng	#	94
6) bis(2-Chloroethyl)ether	6.723	93	2987	0.365	ng		100
9) Naphthalene	10.062	128	8331	0.375	ng		100
10) Hexachlorobutadiene	10.351	225	2194	0.428	ng	#	99
12) 2-Methylnaphthalene	11.697	142	5286	0.332	ng		100
16) Acenaphthylene	13.646	152	7931	0.354	ng		100
17) Acenaphthene	13.989	154	5347	0.359	ng		99
18) Fluorene	14.993	166	7004	0.329	ng		99
20) 4,6-Dinitro-2-methylph...	15.122	198	83	0.080	ng	#	1
21) 4-Bromophenyl-phenylether	15.904	248	2216	0.358	ng	#	71
22) Hexachlorobenzene	16.003	284	3183	0.438	ng		97
23) Atrazine	16.202	200	1696	0.385	ng		98
24) Pentachlorophenol	16.375	266	1107	0.350	ng	#	83
25) Phenanthrene	16.748	178	10192	0.351	ng		100
26) Anthracene	16.835	178	9082	0.346	ng		99
28) Fluoranthene	18.789	202	12678	0.324	ng		99
30) Pyrene	19.156	202	13069	0.399	ng		100
32) Benzo(a)anthracene	20.938	228	10542	0.339	ng		100
33) Chrysene	20.991	228	12448	0.389	ng		99
34) Bis(2-ethylhexyl)phtha...	20.902	149	5271	0.430	ng		99
36) Indeno(1,2,3-cd)pyrene	25.061	276	13578	0.376	ng		96
37) Benzo(b)fluoranthene	22.427	252	14777	0.438	ng		97
38) Benzo(k)fluoranthene	22.427	252	14777	0.445	ng		98
39) Benzo(a)pyrene	22.947	252	10146	0.365	ng	#	92
40) Dibenzo(a,h)anthracene	25.079	278	10523	0.370	ng		97
41) Benzo(g,h,i)perylene	25.672	276	11906	0.400	ng		98

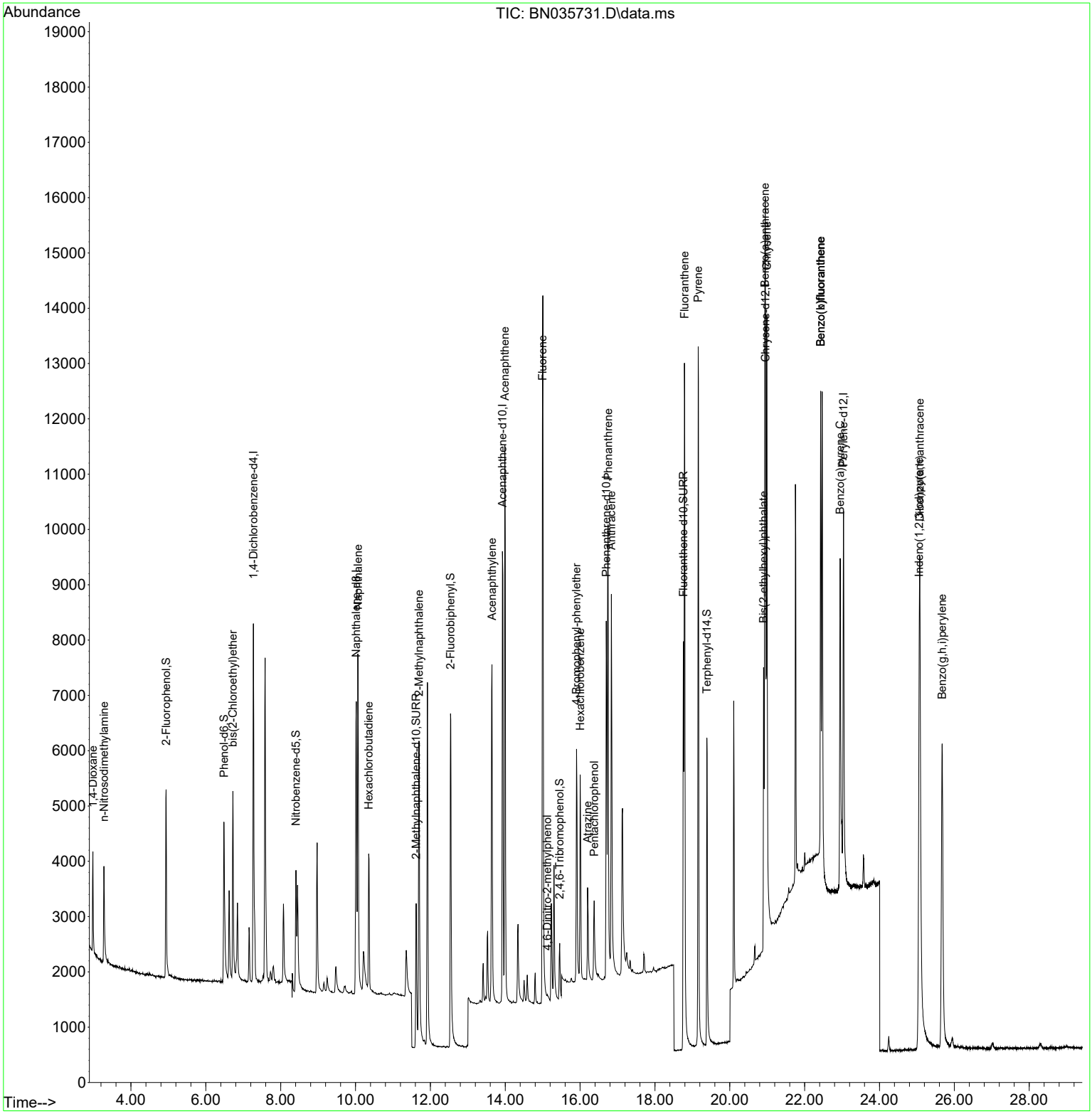
(#) = qualifier out of range (m) = manual integration (+) = signals summed

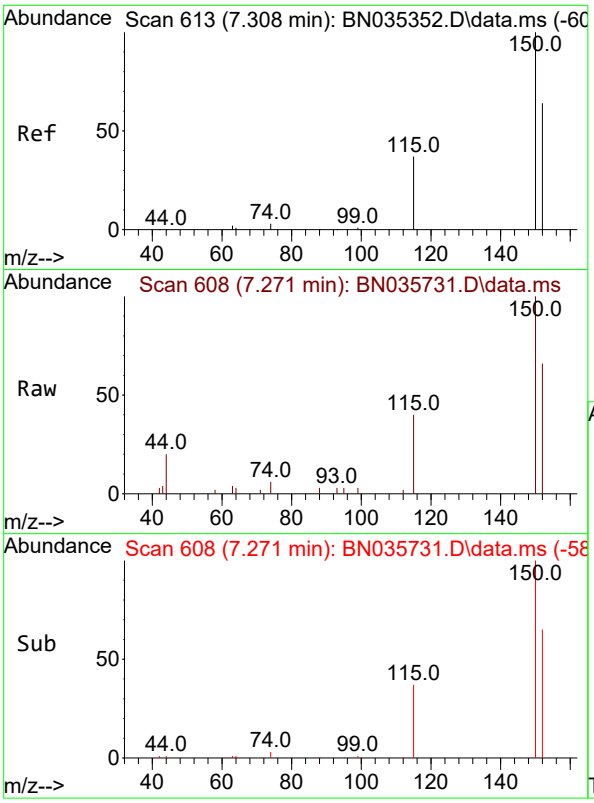
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035731.D
Acq On : 20 Dec 2024 08:04
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Dec 20 08:27:53 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration



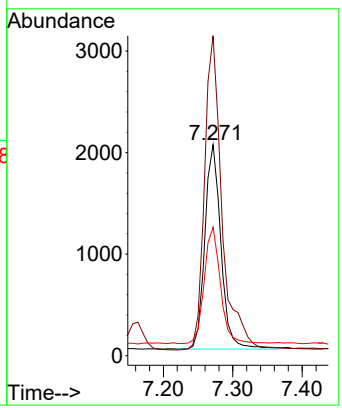


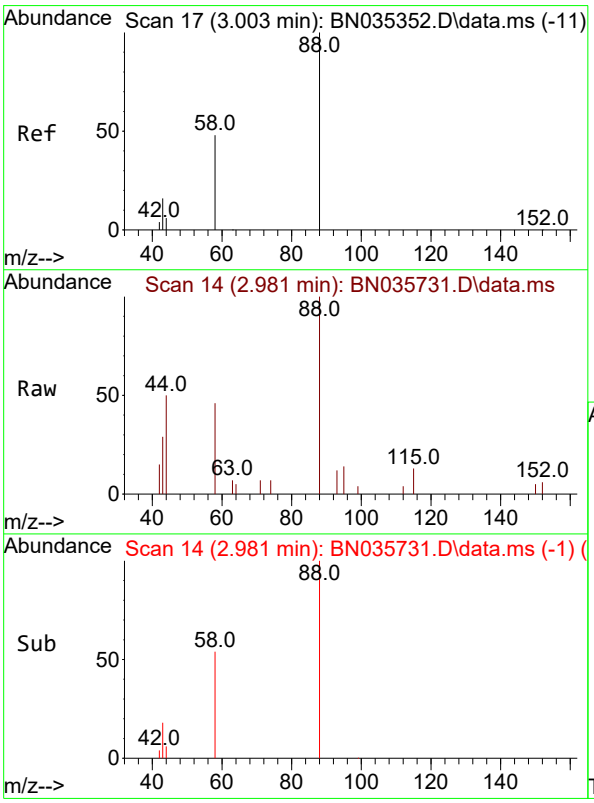
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.271 min Scan# 6
Delta R.T. -0.001 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 3239

Ion	Ratio	Lower	Upper
152	100		
150	151.6	124.0	186.0
115	60.9	49.6	74.4

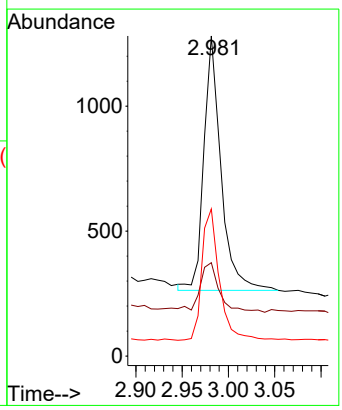


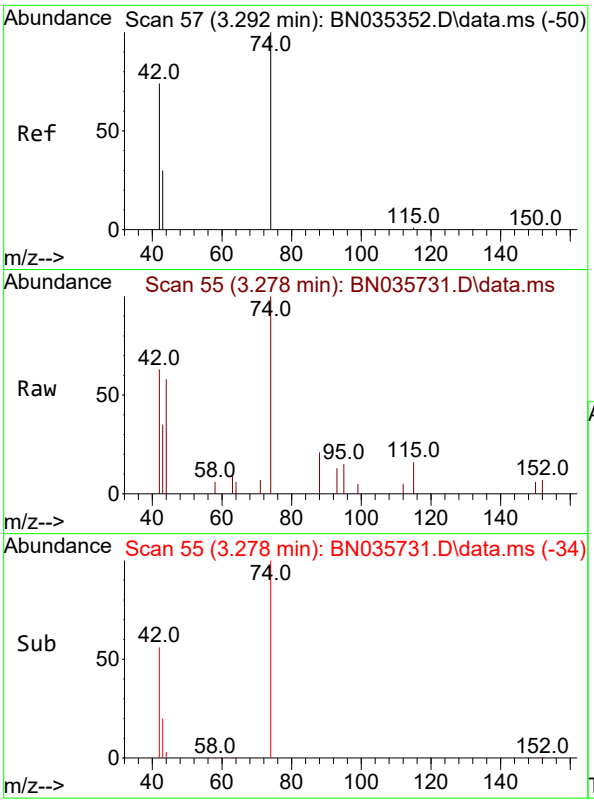


#2
1,4-Dioxane
Concen: 0.424 ng
RT: 2.981 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Tgt Ion: 88 Resp: 1312

Ion	Ratio	Lower	Upper
88	100		
43	23.4	17.2	25.8
58	52.7	44.5	66.7



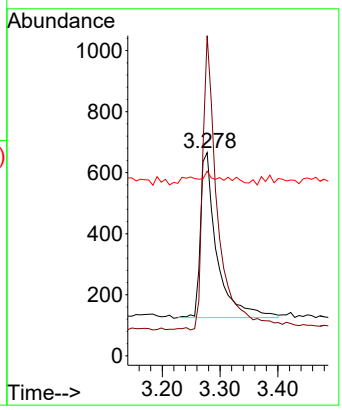


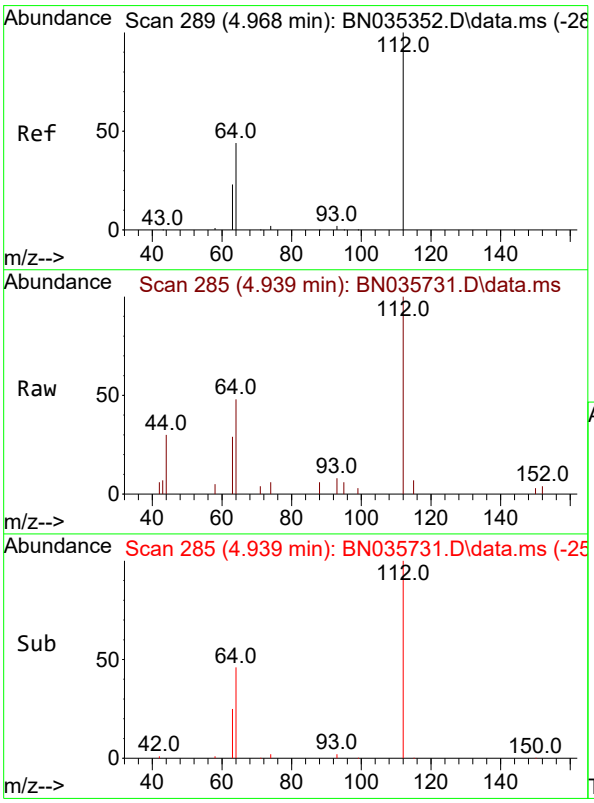
#3
n-Nitrosodimethylamine
Concen: 0.415 ng
RT: 3.278 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 1070

Ion	Ratio	Lower	Upper
42	100		
74	163.5	124.9	187.3
44	1.8	2.2	3.4#

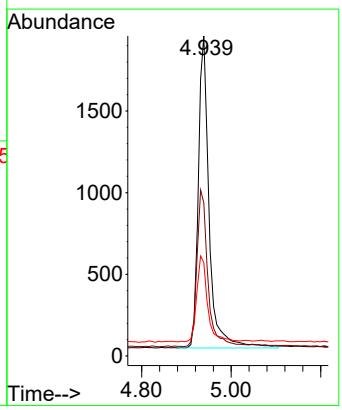


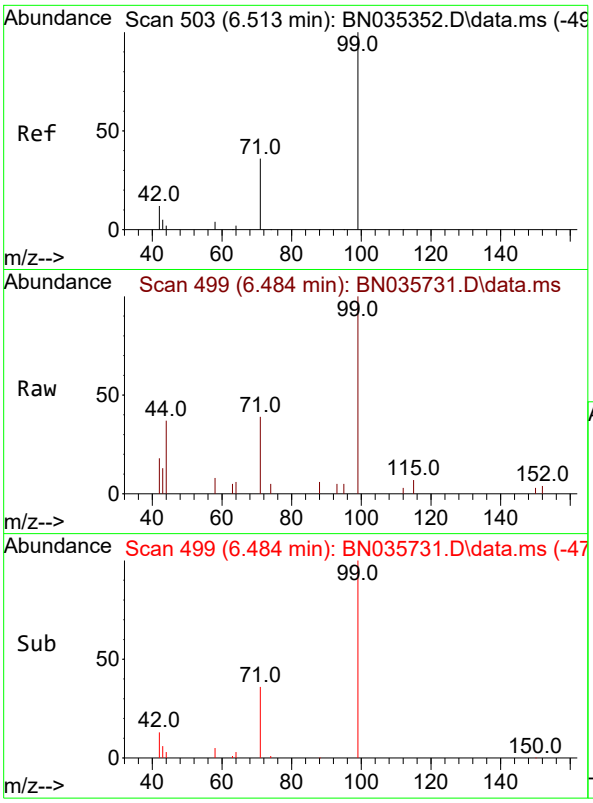


#4
2-Fluorophenol
Concen: 0.396 ng
RT: 4.939 min Scan# 285
Delta R.T. -0.000 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Tgt Ion:112 Resp: 3206

Ion	Ratio	Lower	Upper
112	100		
64	50.6	39.8	59.8
63	27.8	21.0	31.6



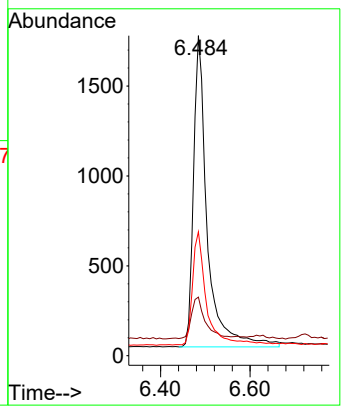


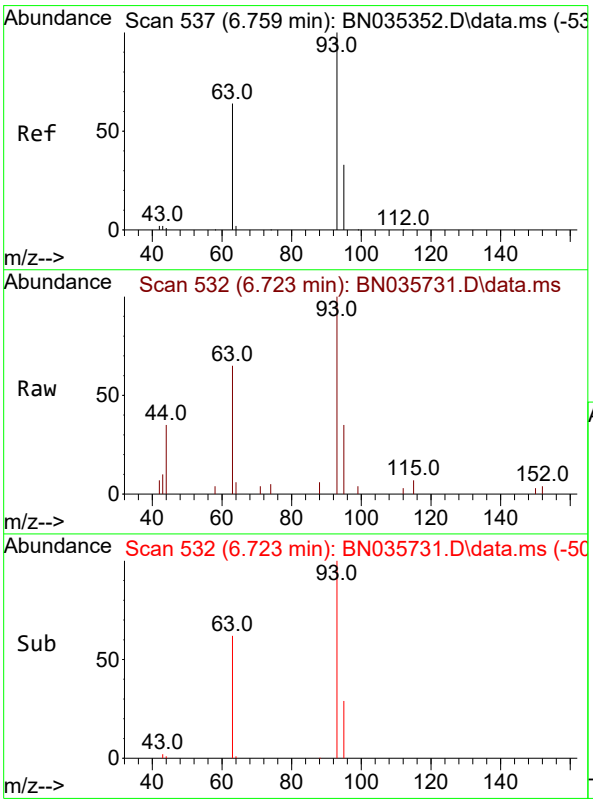
#5
Phenol-d6
Concen: 0.379 ng
RT: 6.484 min Scan# 4
Delta R.T. -0.007 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 3691

Ion	Ratio	Lower	Upper
99	100		
42	13.8	11.4	17.2
71	36.7	29.3	43.9

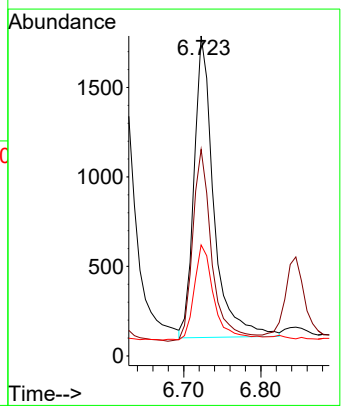


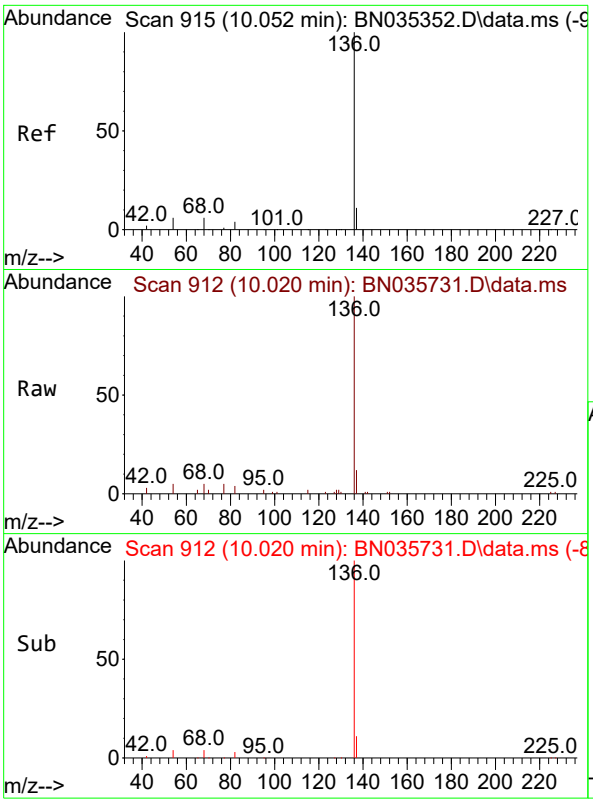


#6
bis(2-Chloroethyl)ether
Concen: 0.365 ng
RT: 6.723 min Scan# 532
Delta R.T. -0.007 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Tgt Ion: 93 Resp: 2987

Ion	Ratio	Lower	Upper
93	100		
63	62.5	50.4	75.6
95	32.2	25.7	38.5



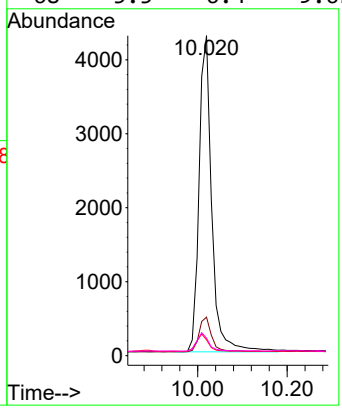


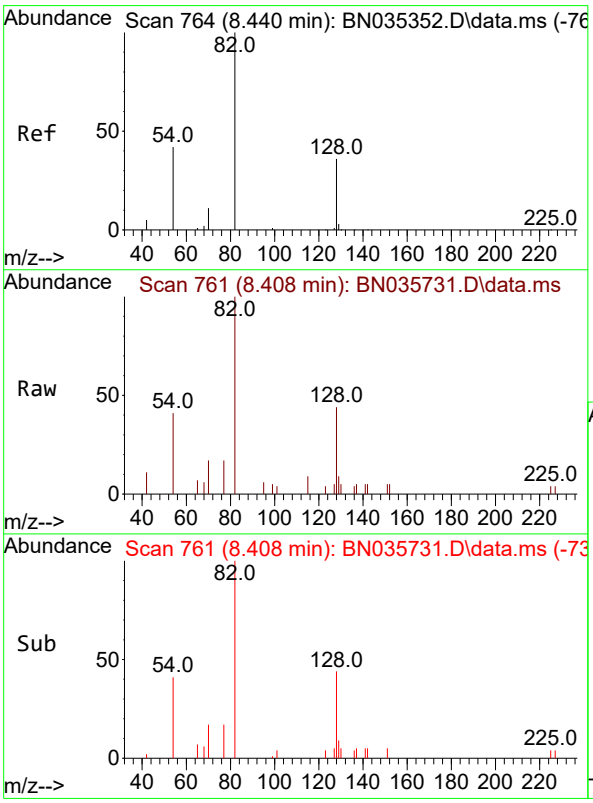
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.020 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 8431

Ion	Ratio	Lower	Upper
136	100		
137	12.0	10.2	15.2
54	5.0	6.1	9.1#
68	5.5	6.4	9.6#

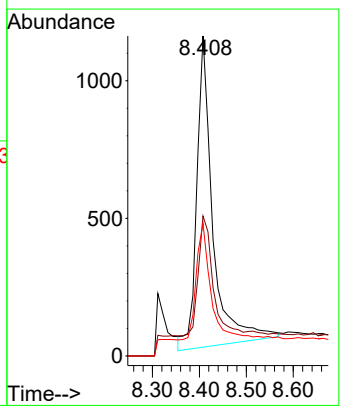


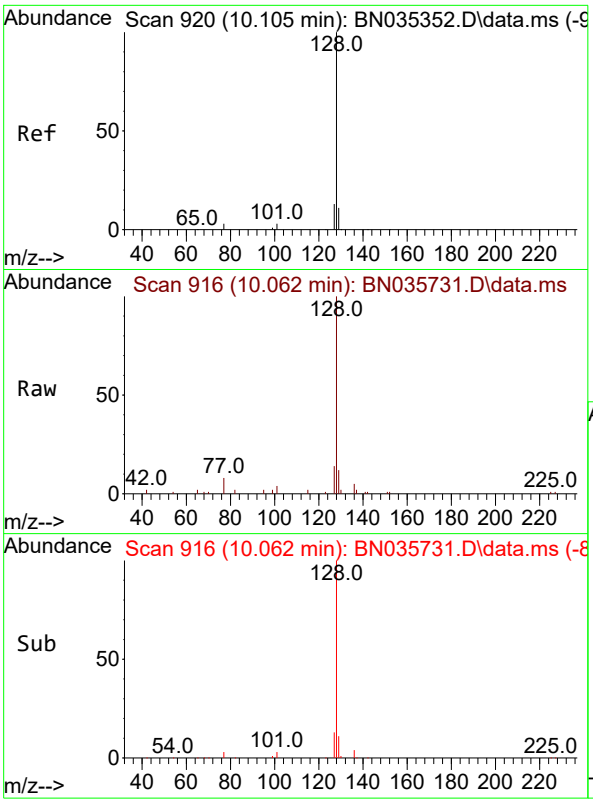


#8
Nitrobenzene-d5
Concen: 0.523 ng
RT: 8.408 min Scan# 761
Delta R.T. -0.000 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Tgt Ion: 82 Resp: 2692

Ion	Ratio	Lower	Upper
82	100		
128	43.8	33.4	50.0
54	41.4	36.7	55.1



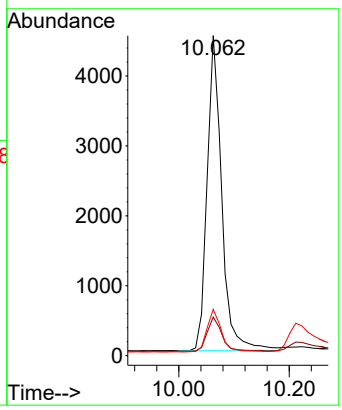


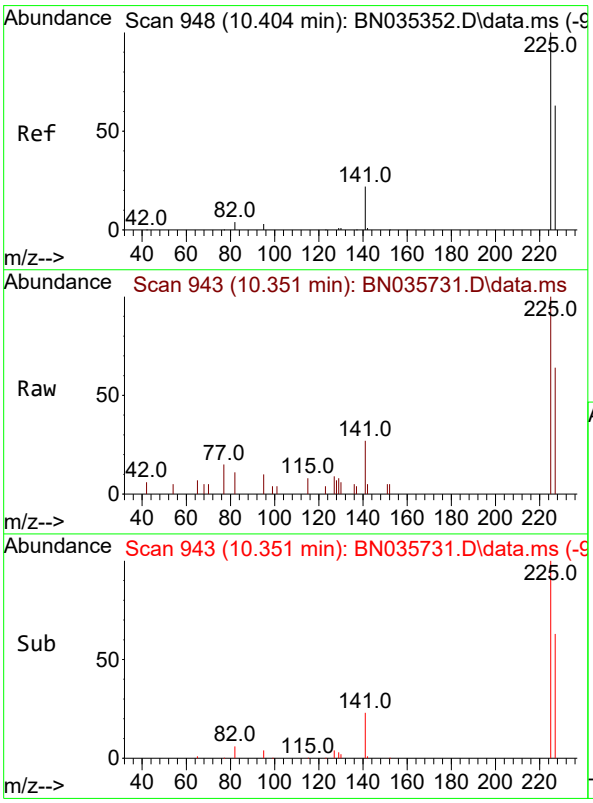
#9
Naphthalene
Concen: 0.375 ng
RT: 10.062 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 8331

Ion	Ratio	Lower	Upper
128	100		
129	12.0	9.8	14.6
127	14.4	11.4	17.2

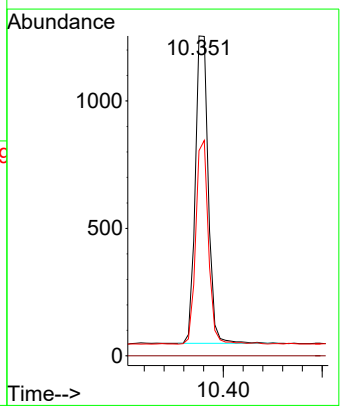


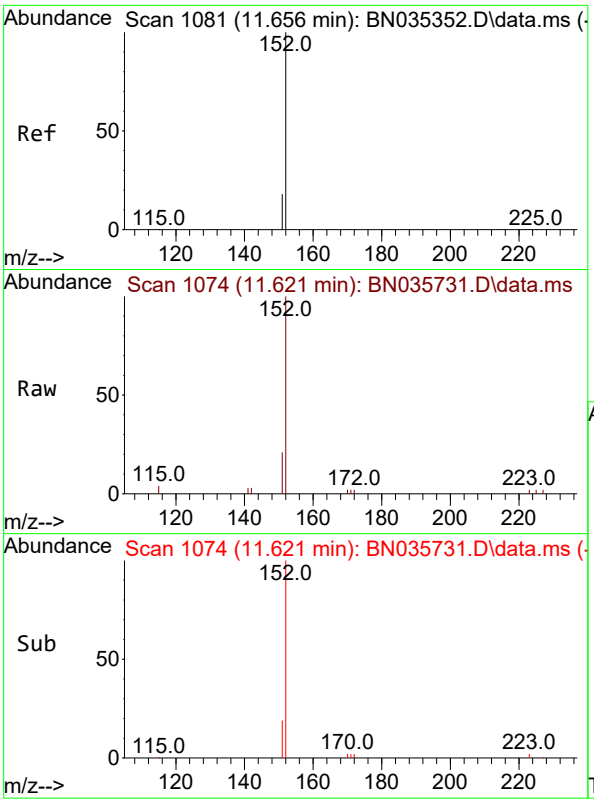


#10
Hexachlorobutadiene
Concen: 0.428 ng
RT: 10.351 min Scan# 943
Delta R.T. -0.011 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Tgt Ion:225 Resp: 2194

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	65.1	51.3	76.9



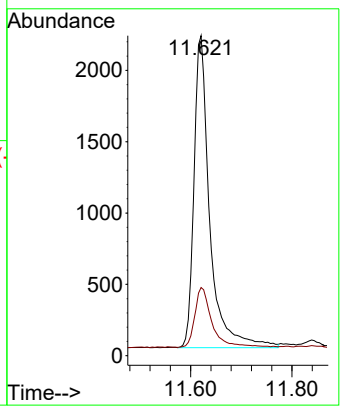


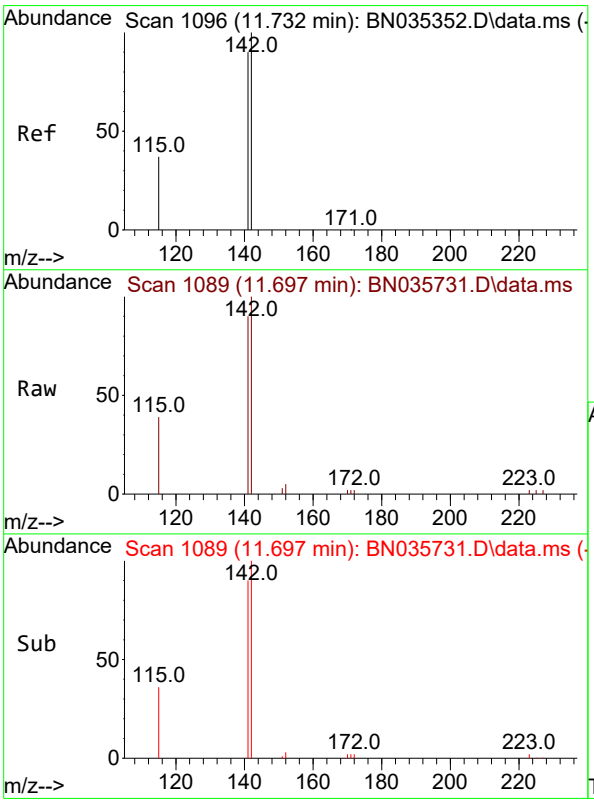
#11
2-Methylnaphthalene-d10
Concen: 0.359 ng
RT: 11.621 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 4741

Ion	Ratio	Lower	Upper
152	100		
151	20.9	16.6	25.0

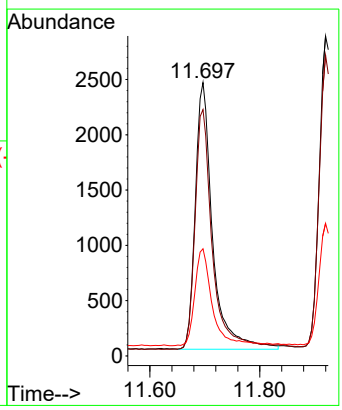


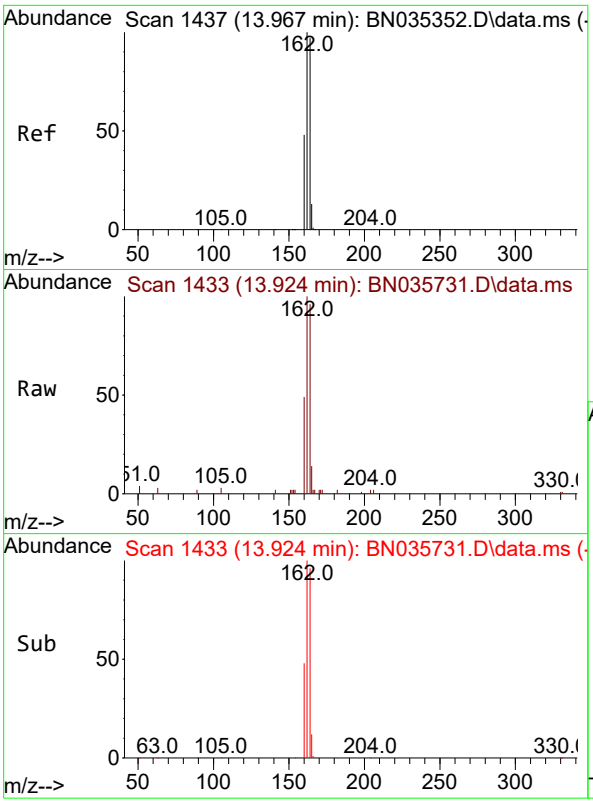


#12
2-Methylnaphthalene
Concen: 0.332 ng
RT: 11.697 min Scan# 1089
Delta R.T. -0.000 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Tgt Ion:142 Resp: 5286

Ion	Ratio	Lower	Upper
142	100		
141	90.1	72.2	108.4
115	39.2	31.4	47.0



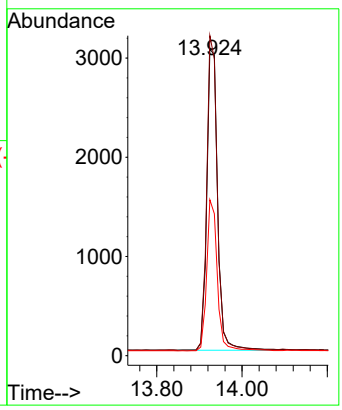


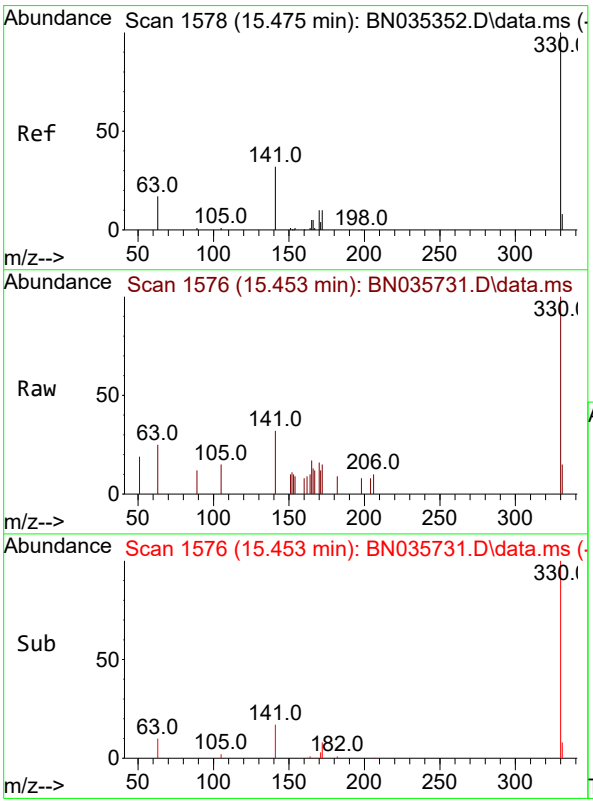
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.924 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 5341

Ion	Ratio	Lower	Upper
164	100		
162	104.3	82.2	123.2
160	50.8	40.1	60.1

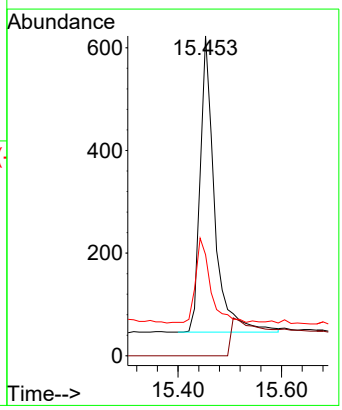


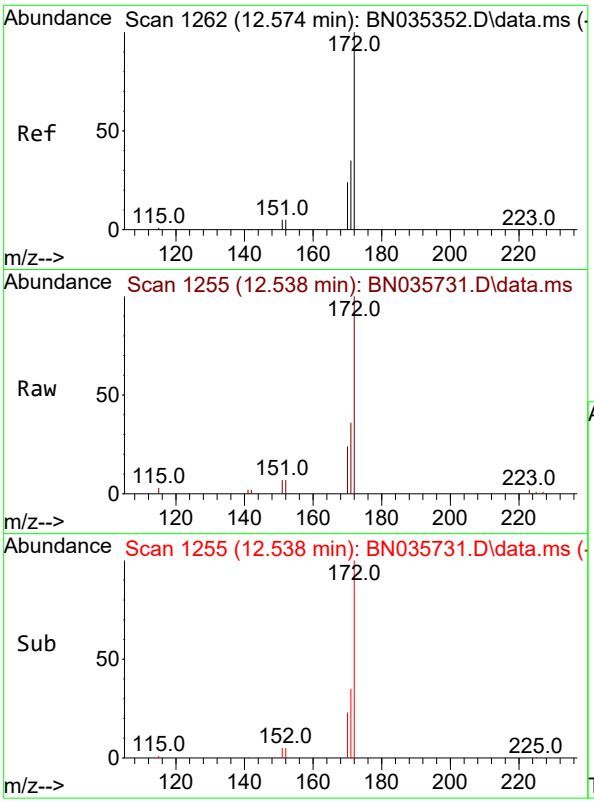


#14
2,4,6-Tribromophenol
Concen: 0.311 ng
RT: 15.453 min Scan# 1576
Delta R.T. -0.000 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Tgt Ion:330 Resp: 1180

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	28.6	26.6	40.0



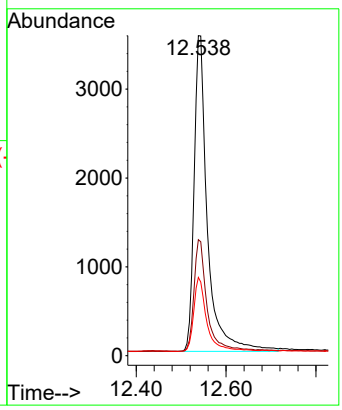


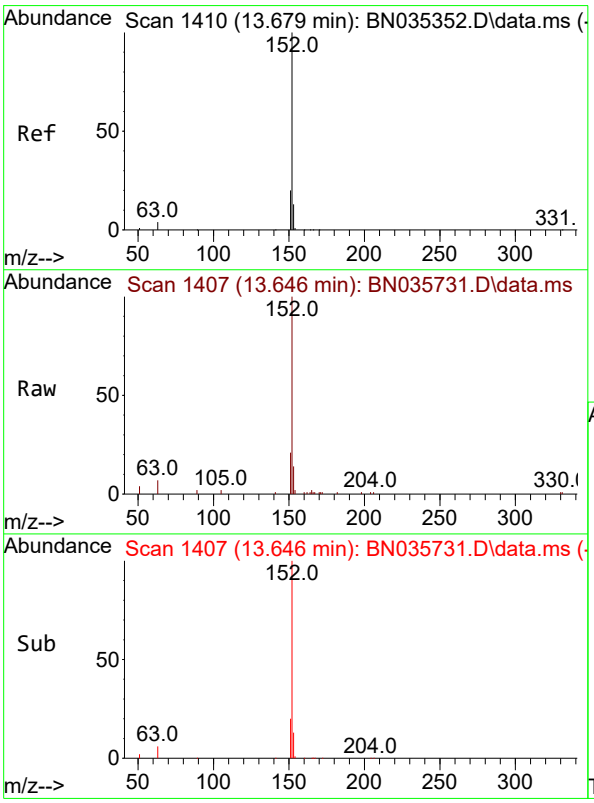
#15
2-Fluorobiphenyl
Concen: 0.364 ng
RT: 12.538 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 7347

Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.0	43.4
170	24.5	19.8	29.8

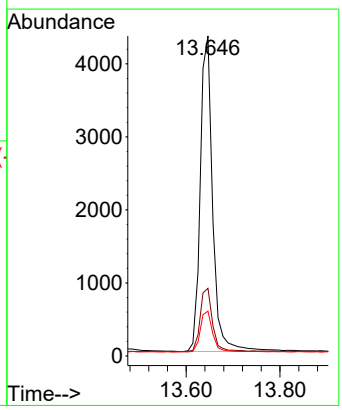


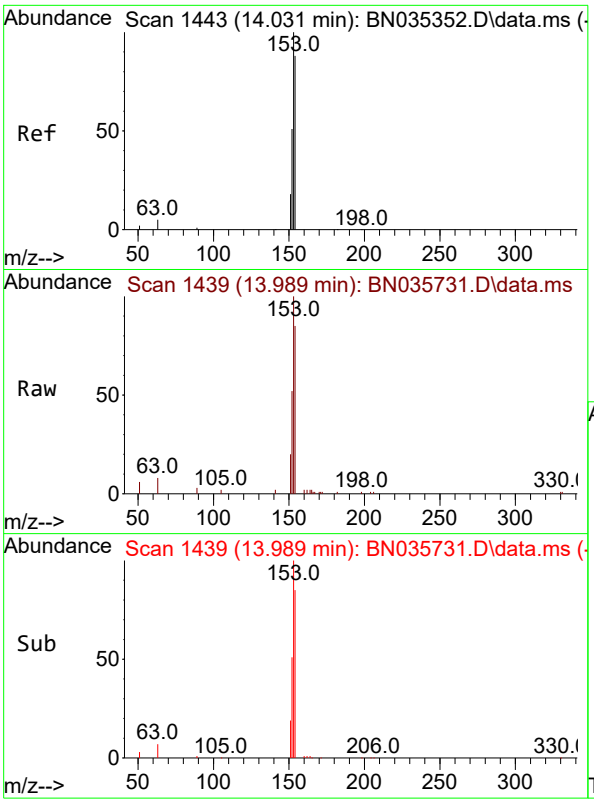


#16
Acenaphthylene
Concen: 0.354 ng
RT: 13.646 min Scan# 1407
Delta R.T. -0.000 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Tgt Ion:152 Resp: 7931

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.2	24.2
153	13.0	10.4	15.6



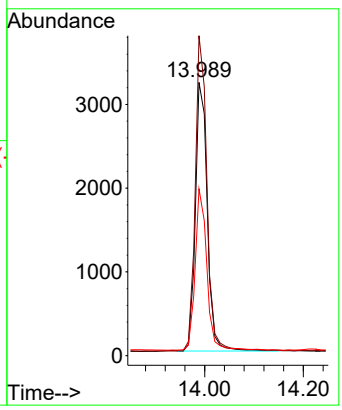


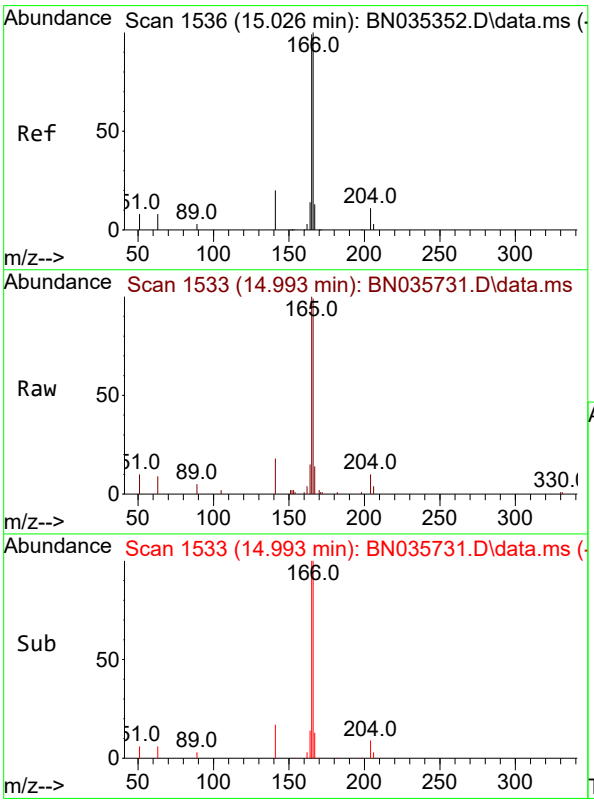
#17
Acenaphthene
Concen: 0.359 ng
RT: 13.989 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 5347

Ion	Ratio	Lower	Upper
154	100		
153	116.2	92.6	139.0
152	59.2	49.0	73.6

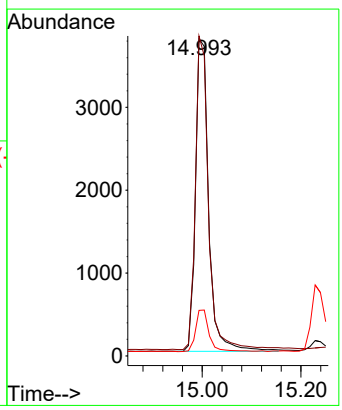


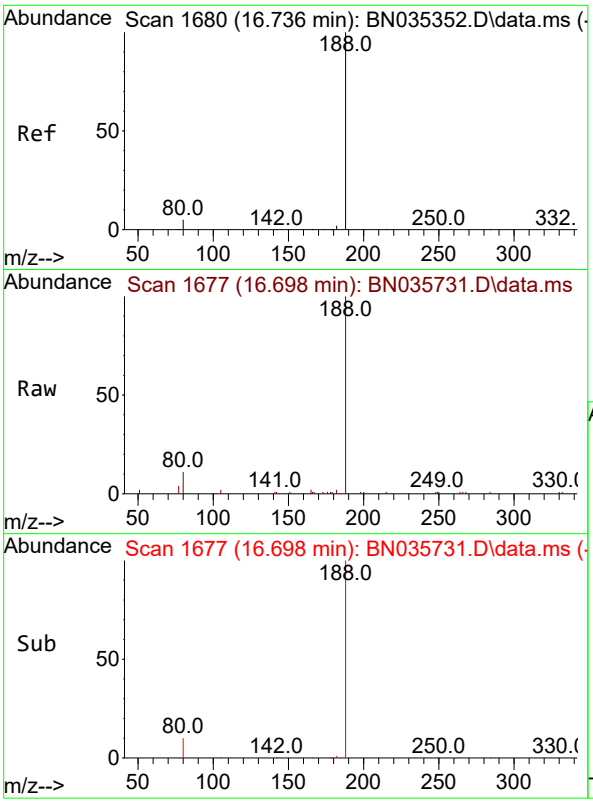


#18
Fluorene
Concen: 0.329 ng
RT: 14.993 min Scan# 1533
Delta R.T. -0.011 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Tgt Ion:166 Resp: 7004

Ion	Ratio	Lower	Upper
166	100		
165	98.3	79.7	119.5
167	13.7	10.8	16.2



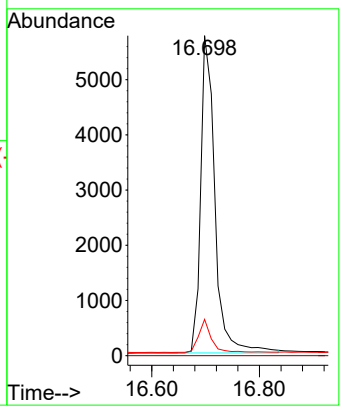


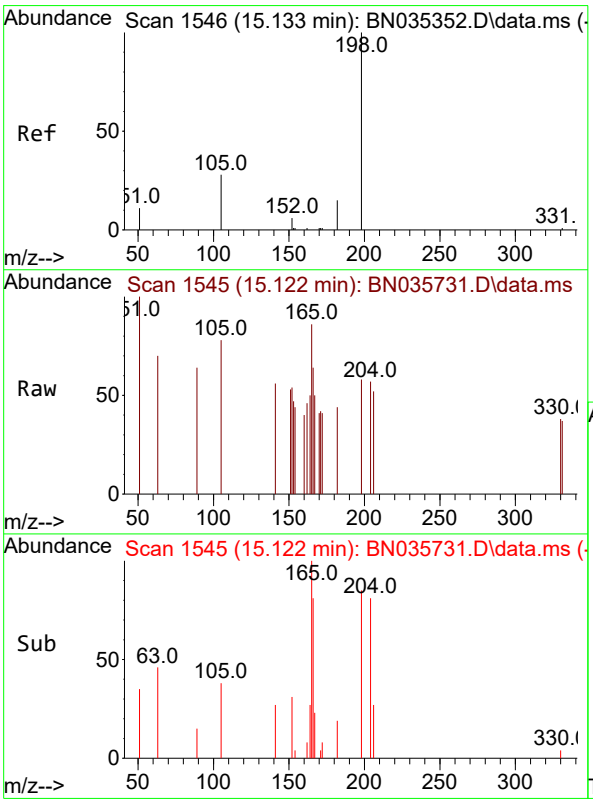
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.698 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 10575

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.3	4.6	6.8#

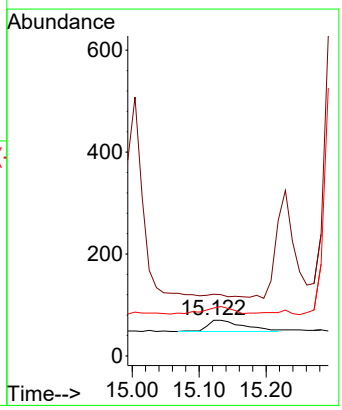


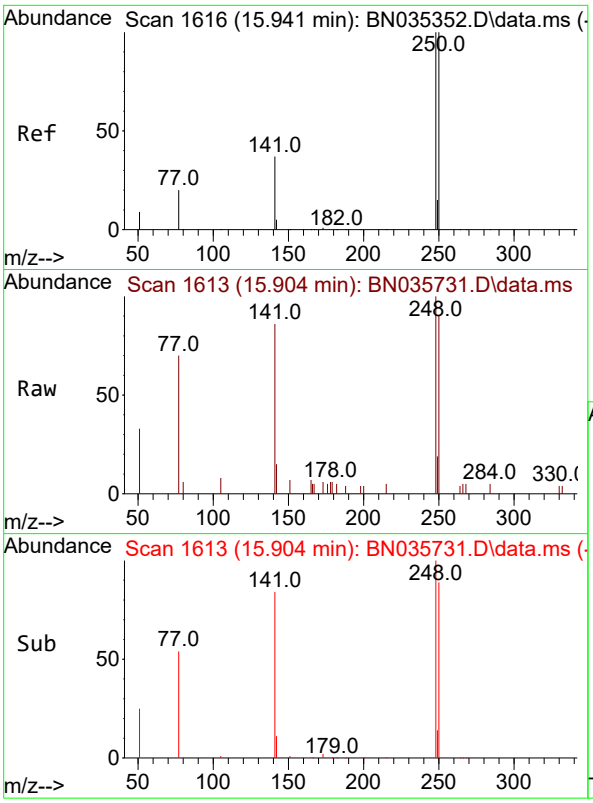


#20
4,6-Dinitro-2-methylphenol
Concen: 0.080 ng
RT: 15.122 min Scan# 1545
Delta R.T. -0.000 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Tgt Ion:198 Resp: 83

Ion	Ratio	Lower	Upper
198	100		
51	172.9	46.5	69.7#
105	134.3	45.3	67.9#



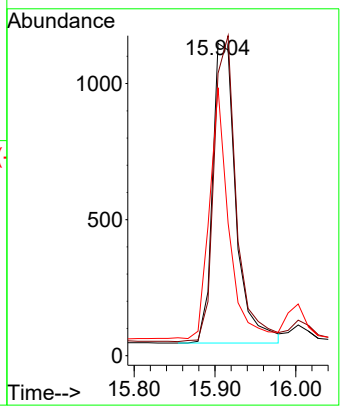


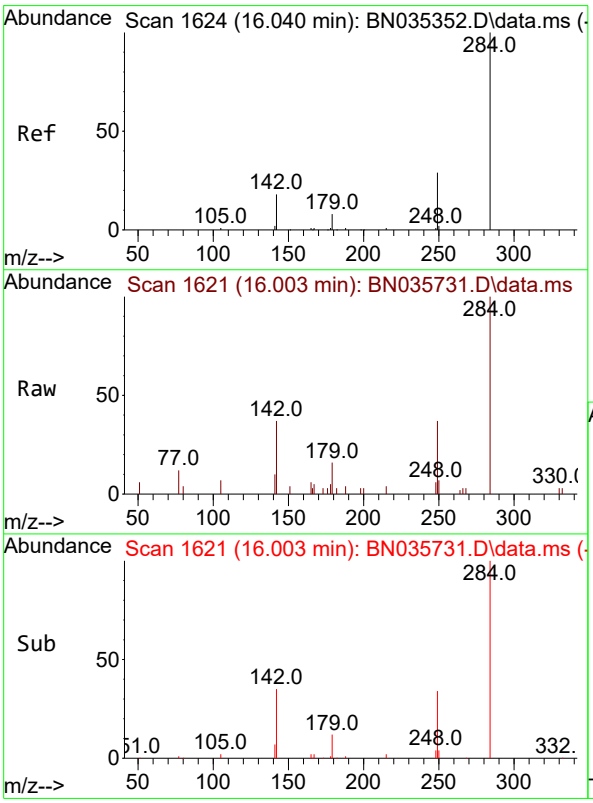
#21
4-Bromophenyl-phenylether
Concen: 0.358 ng
RT: 15.904 min Scan# 1
Delta R.T. -0.013 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:248 Resp: 2216

Ion	Ratio	Lower	Upper
248	100		
250	90.4	80.6	120.8
141	85.8	31.5	47.3#

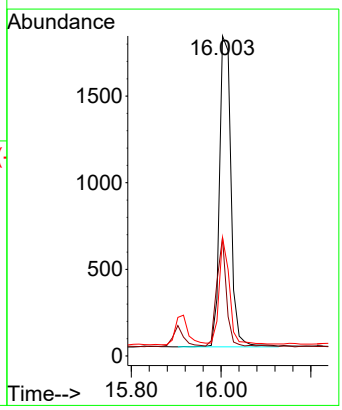


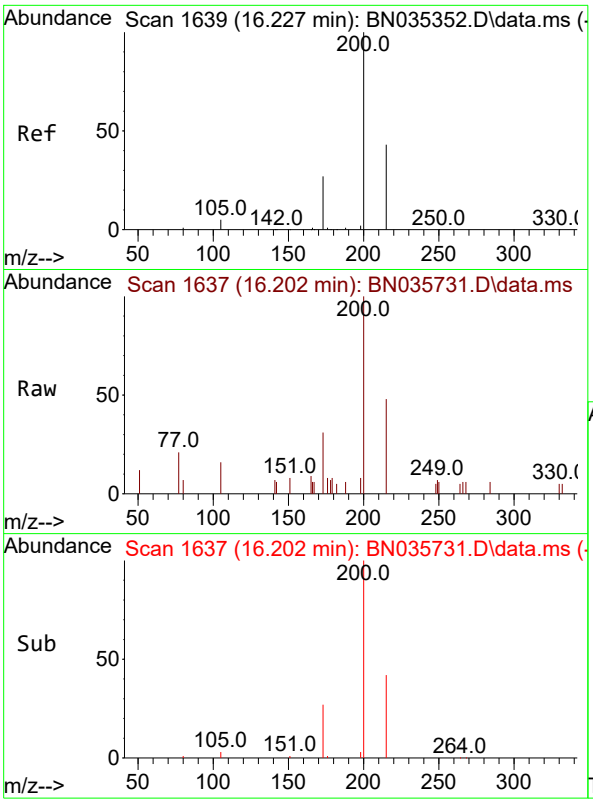


#22
Hexachlorobenzene
Concen: 0.438 ng
RT: 16.003 min Scan# 1621
Delta R.T. -0.013 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Tgt Ion:284 Resp: 3183

Ion	Ratio	Lower	Upper
284	100		
142	30.7	26.7	40.1
249	30.4	24.6	36.8



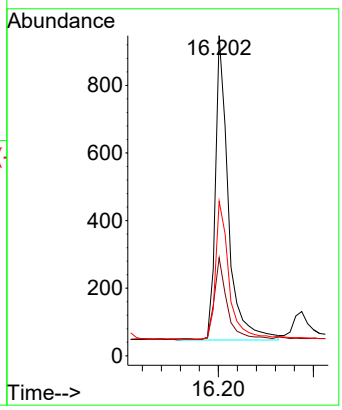


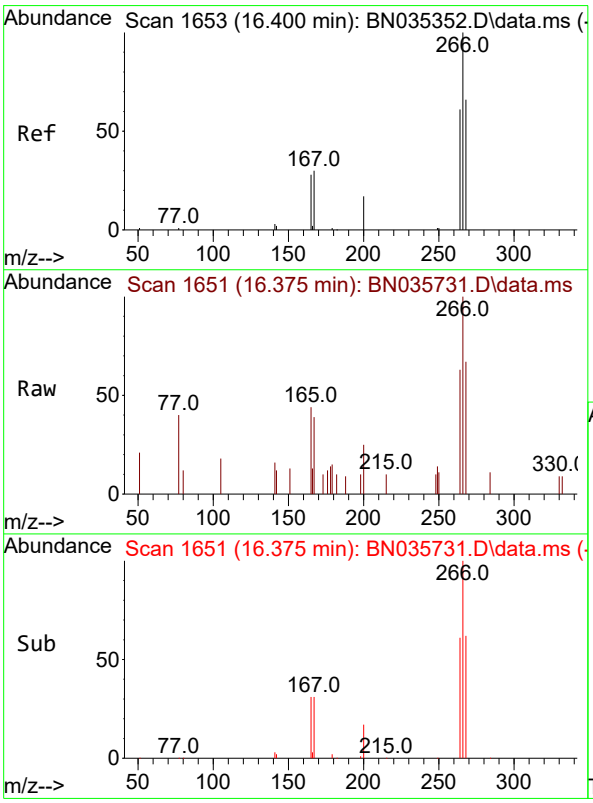
#23
Atrazine
Concen: 0.385 ng
RT: 16.202 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:200 Resp: 1696

Ion	Ratio	Lower	Upper
200	100		
173	30.6	24.1	36.1
215	48.3	36.9	55.3

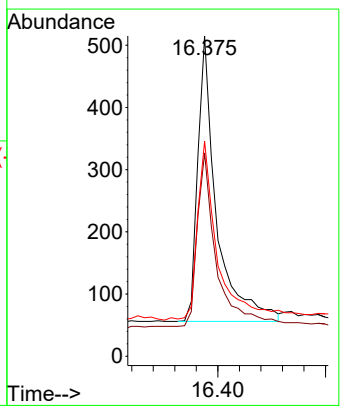


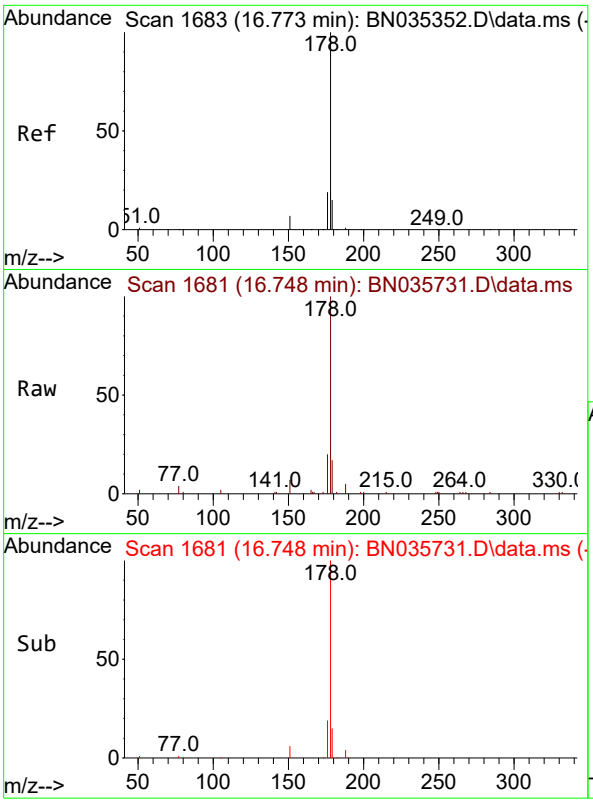


#24
Pentachlorophenol
Concen: 0.350 ng
RT: 16.375 min Scan# 1651
Delta R.T. -0.000 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Tgt Ion:266 Resp: 1107

Ion	Ratio	Lower	Upper
266	100		
264	62.6	42.3	63.5
268	68.5	43.3	64.9#



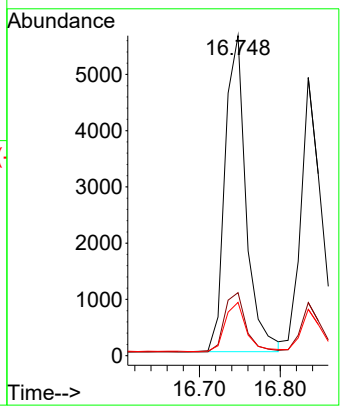


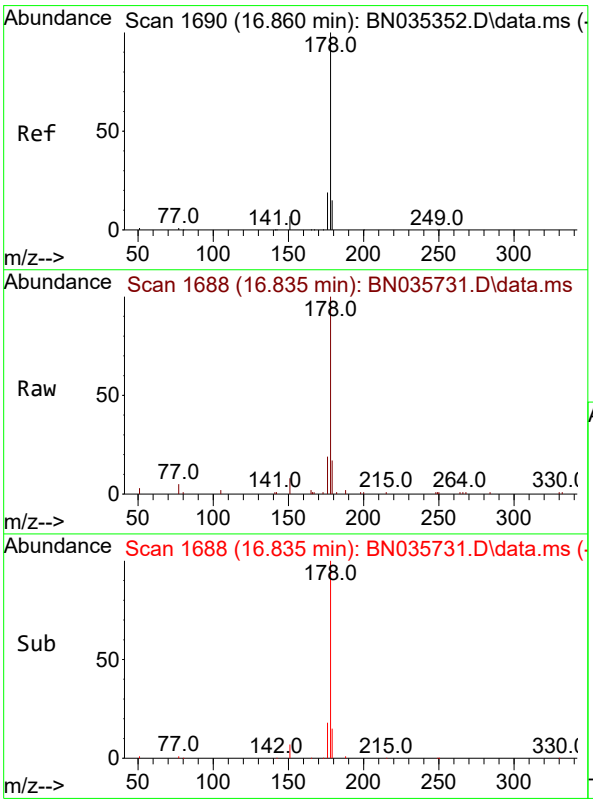
#25
Phenanthrene
Concen: 0.351 ng
RT: 16.748 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 10192

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	15.7	12.3	18.5

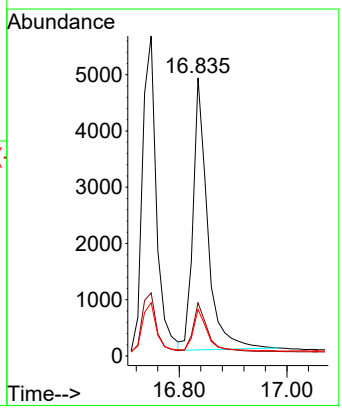


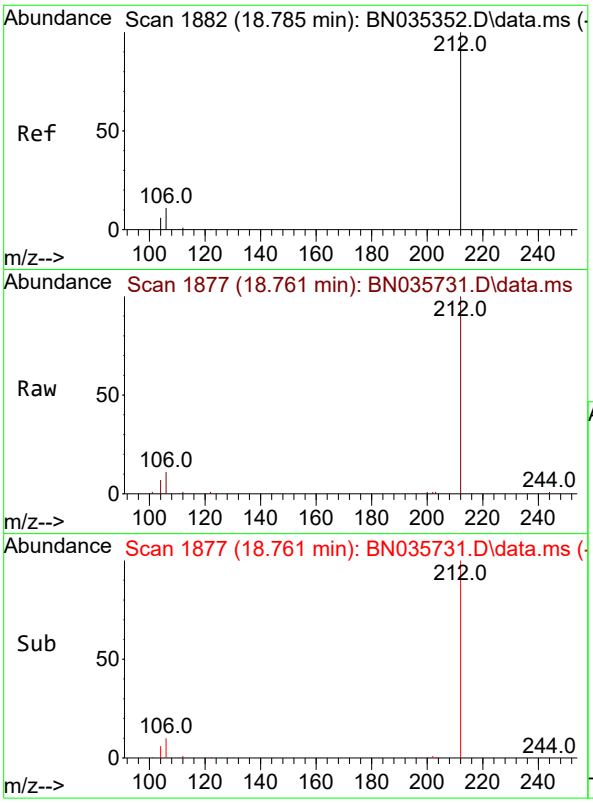


#26
Anthracene
Concen: 0.346 ng
RT: 16.835 min Scan# 1688
Delta R.T. -0.000 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Tgt Ion:178 Resp: 9082

Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.0	22.6
179	15.6	12.6	18.8



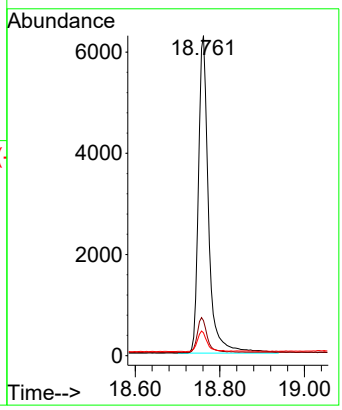


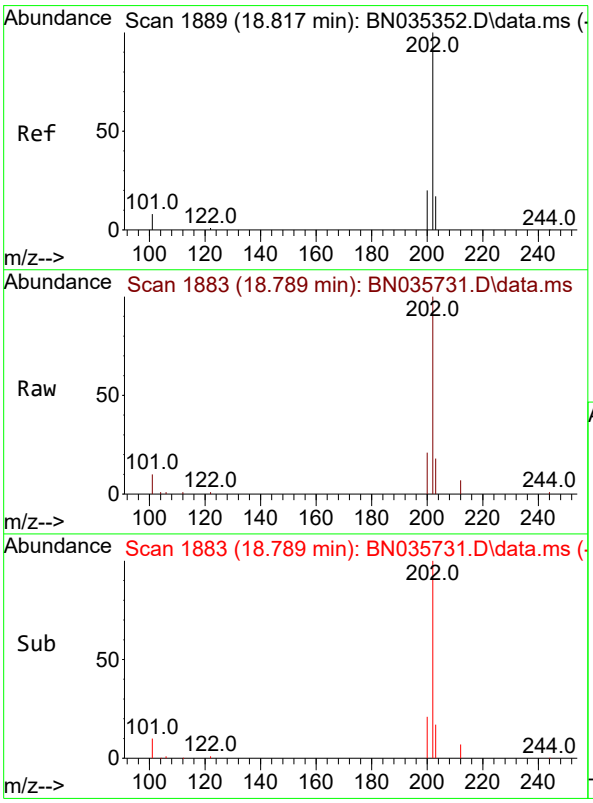
#27
Fluoranthene-d10
Concen: 0.347 ng
RT: 18.761 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 10416

Ion	Ratio	Lower	Upper
212	100		
106	10.8	9.2	13.8
104	6.3	5.3	7.9

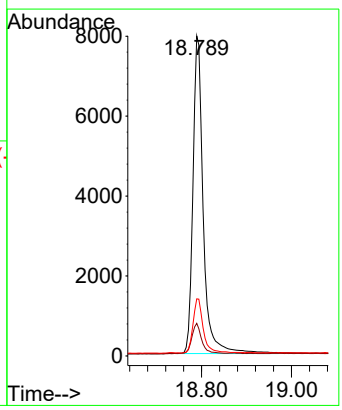


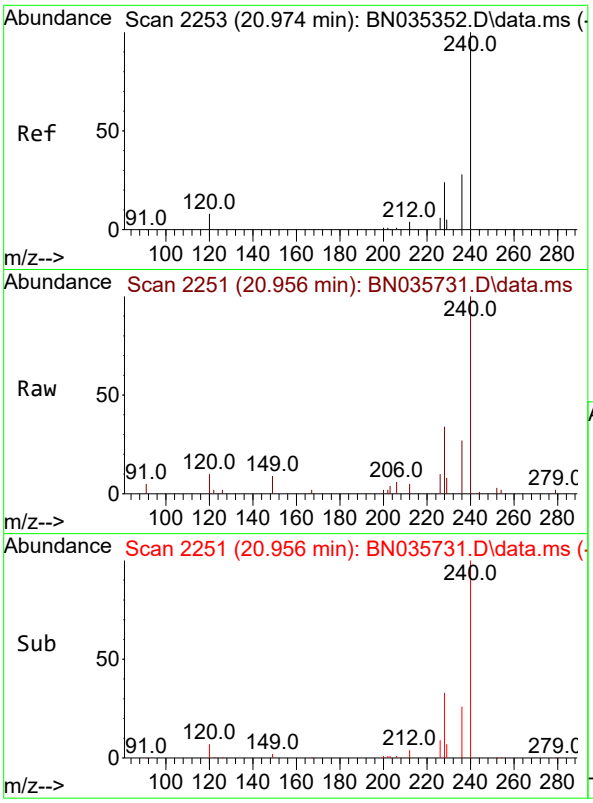


#28
Fluoranthene
Concen: 0.324 ng
RT: 18.789 min Scan# 1883
Delta R.T. -0.000 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Tgt Ion:202 Resp: 12678

Ion	Ratio	Lower	Upper
202	100		
101	9.4	7.4	11.0
203	16.7	13.7	20.5



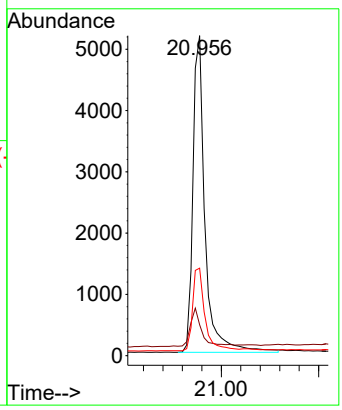


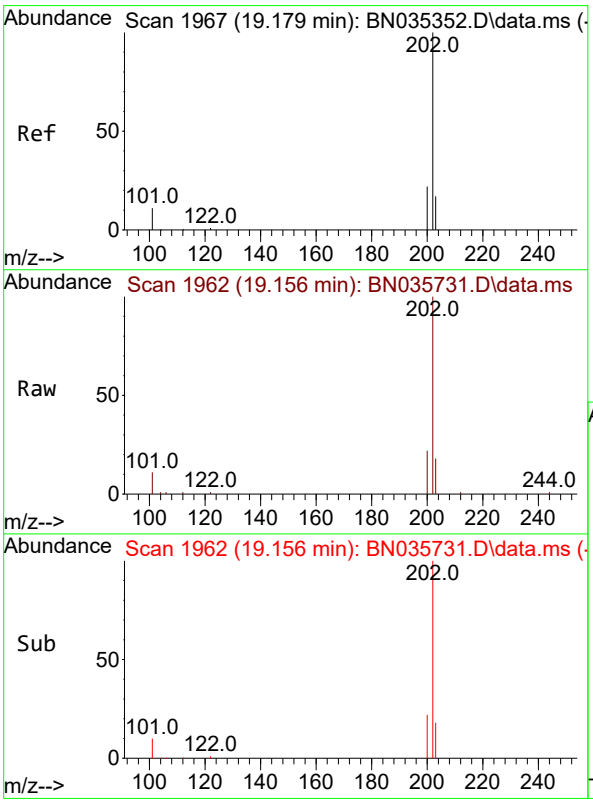
#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.956 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 8878

Ion	Ratio	Lower	Upper
240	100		
120	9.6	7.9	11.9
236	27.4	22.9	34.3

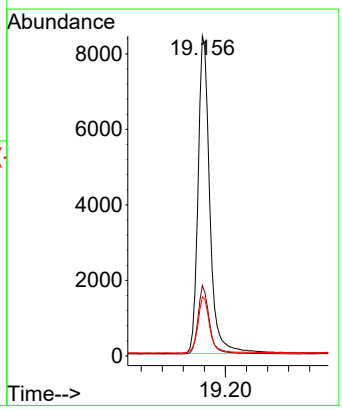


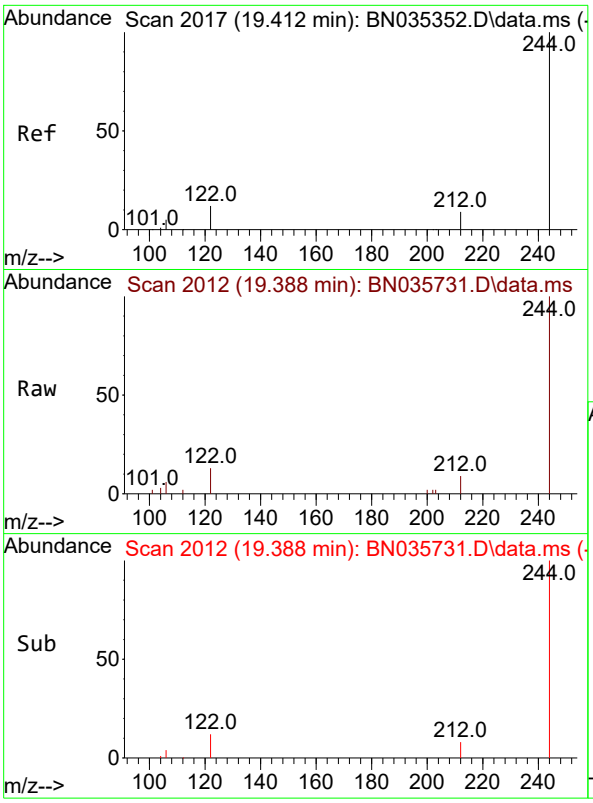


#30
Pyrene
Concen: 0.399 ng
RT: 19.156 min Scan# 1962
Delta R.T. -0.005 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Tgt Ion:202 Resp: 13069

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.0	25.4
203	17.8	14.3	21.5



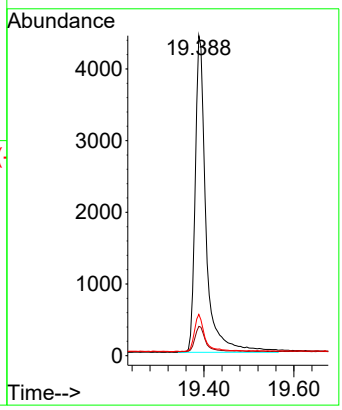


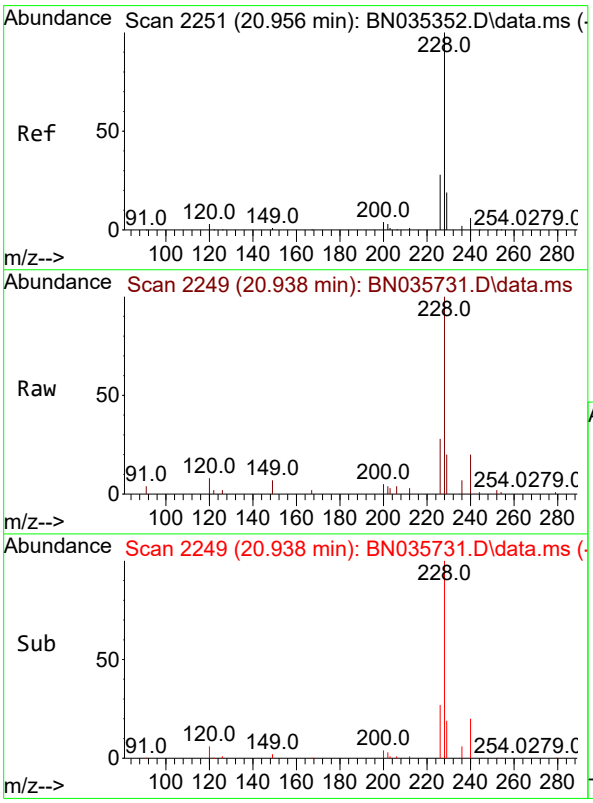
#31
Terphenyl-d14
Concen: 0.426 ng
RT: 19.388 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 7453

Ion	Ratio	Lower	Upper
244	100		
212	9.2	8.1	12.1
122	12.9	10.3	15.5

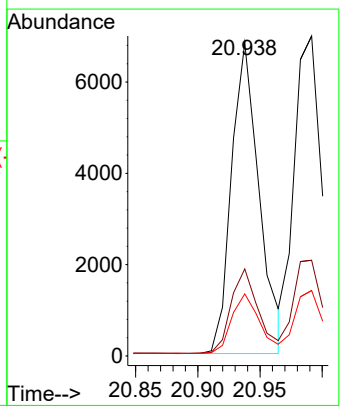


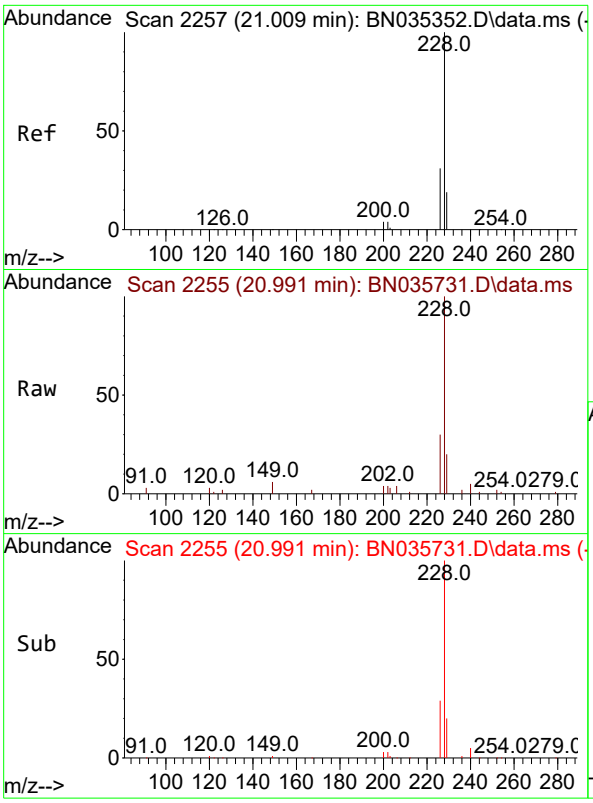


#32
Benzo(a)anthracene
Concen: 0.339 ng
RT: 20.938 min Scan# 2249
Delta R.T. -0.000 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Tgt Ion:228 Resp: 10542

Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.5	33.7
229	19.8	15.8	23.8



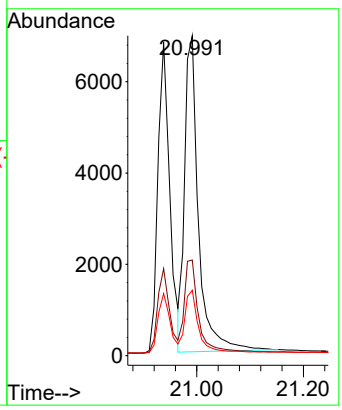


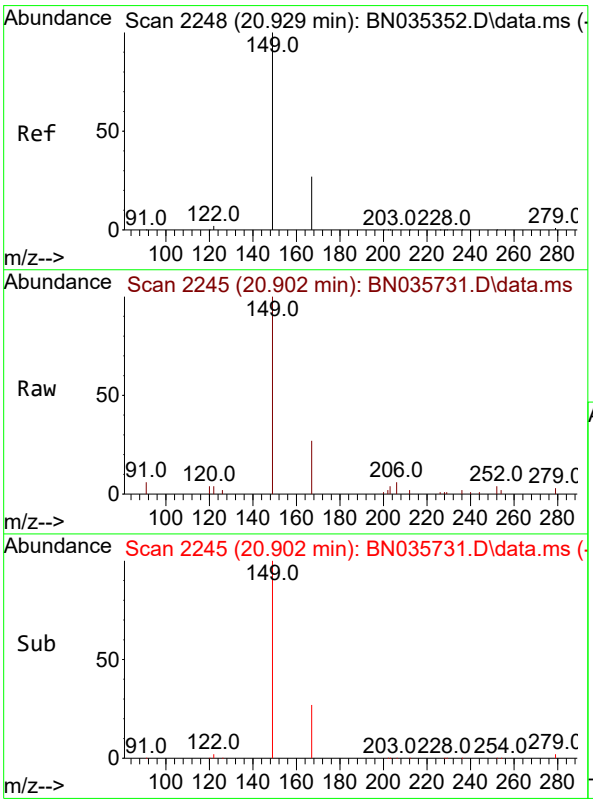
#33
Chrysene
Concen: 0.389 ng
RT: 20.991 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 12448

Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.6	37.0
229	20.4	15.9	23.9

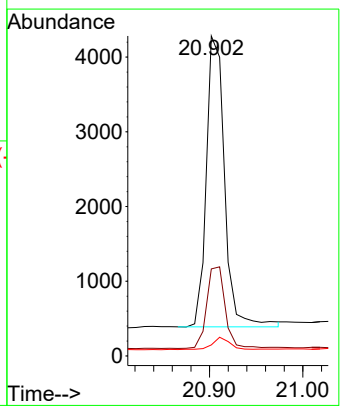


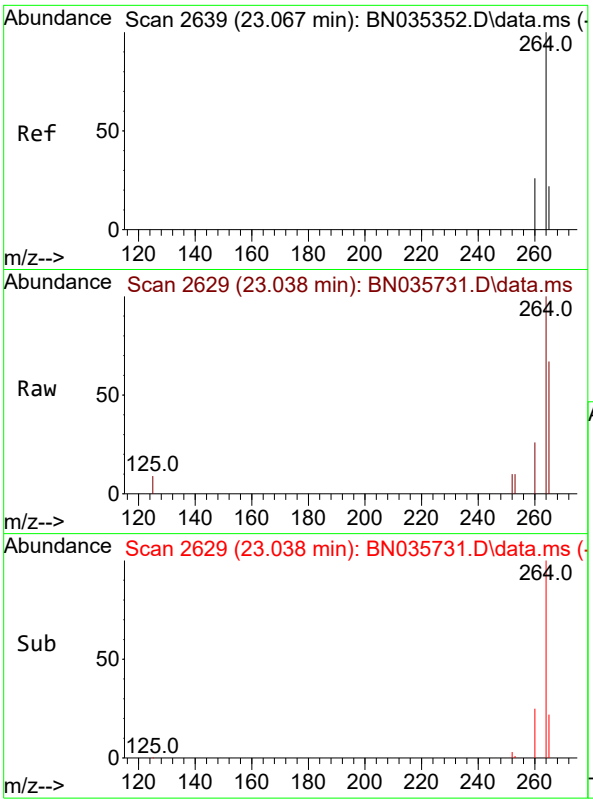


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.430 ng
RT: 20.902 min Scan# 2245
Delta R.T. -0.009 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Tgt Ion:149 Resp: 5271

Ion	Ratio	Lower	Upper
149	100		
167	28.6	22.2	33.4
279	3.9	2.7	4.1



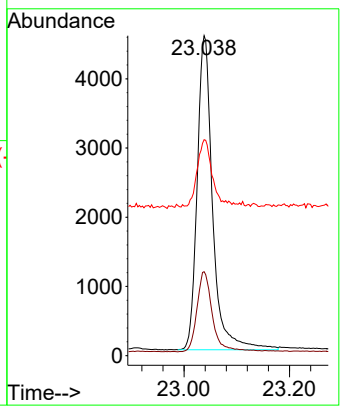


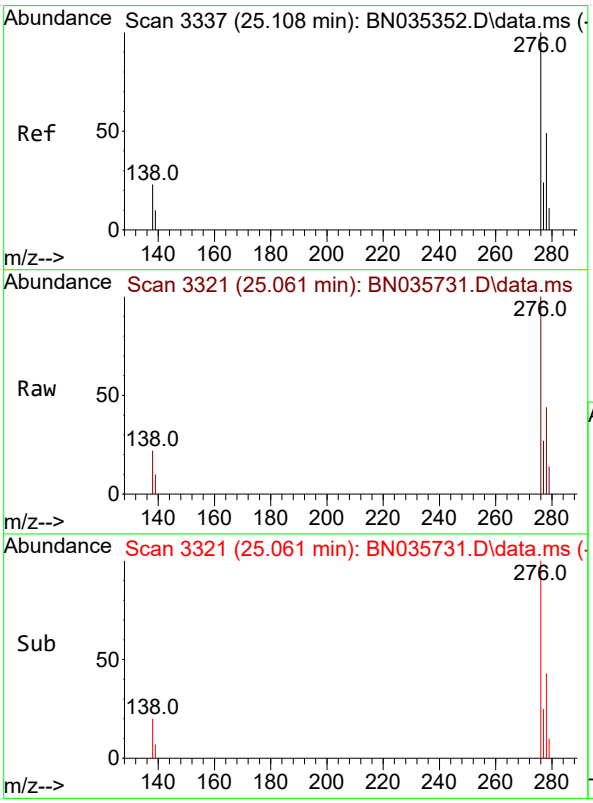
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.038 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:264 Resp: 9229

Ion	Ratio	Lower	Upper
264	100		
260	26.2	21.4	32.2
265	67.5	40.2	60.4#

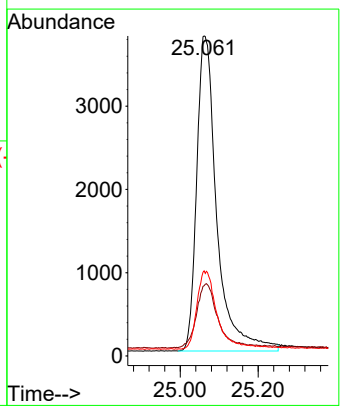


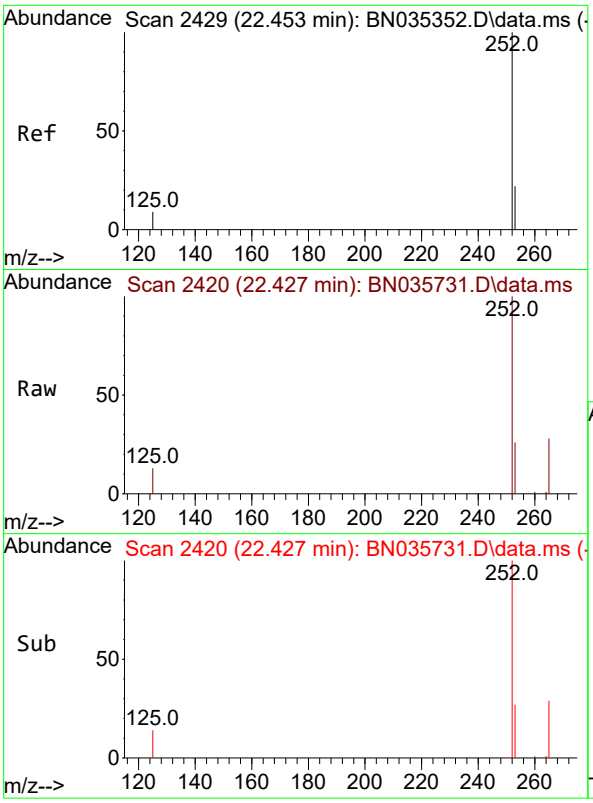


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.376 ng
RT: 25.061 min Scan# 3321
Delta R.T. -0.006 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Tgt Ion:276 Resp: 13578

Ion	Ratio	Lower	Upper
276	100		
138	21.2	19.4	29.0
277	24.0	19.8	29.6



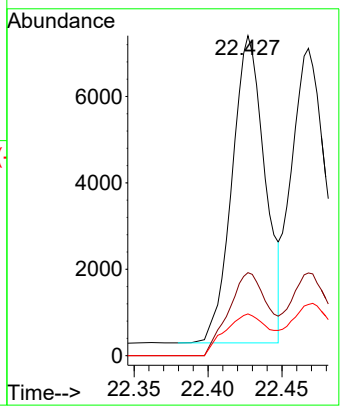


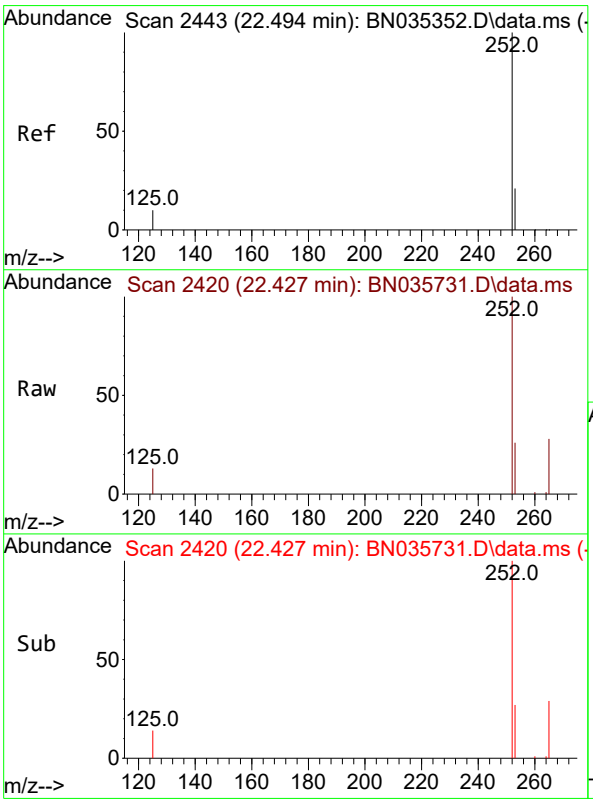
#37
Benzo(b)fluoranthene
Concen: 0.438 ng
RT: 22.427 min Scan# 24
Delta R.T. -0.003 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 14777

Ion	Ratio	Lower	Upper
252	100		
253	25.9	19.6	29.4
125	13.1	9.6	14.4

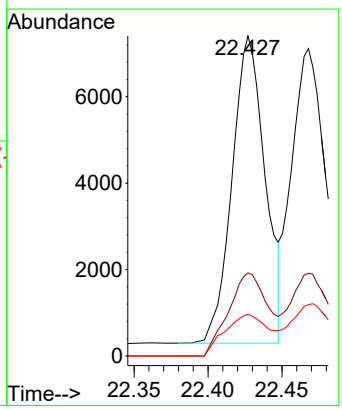


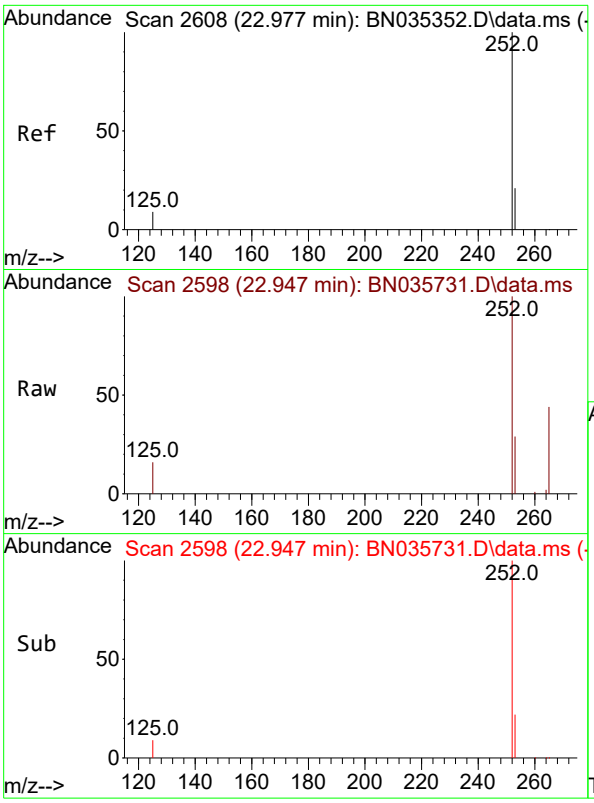


#38
Benzo(k)fluoranthene
Concen: 0.445 ng
RT: 22.427 min Scan# 2420
Delta R.T. -0.044 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Tgt Ion:252 Resp: 14777

Ion	Ratio	Lower	Upper
252	100		
253	25.9	19.5	29.3
125	13.1	10.2	15.4



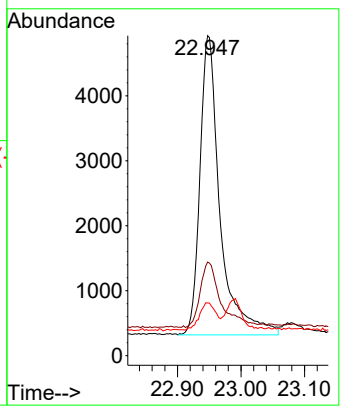


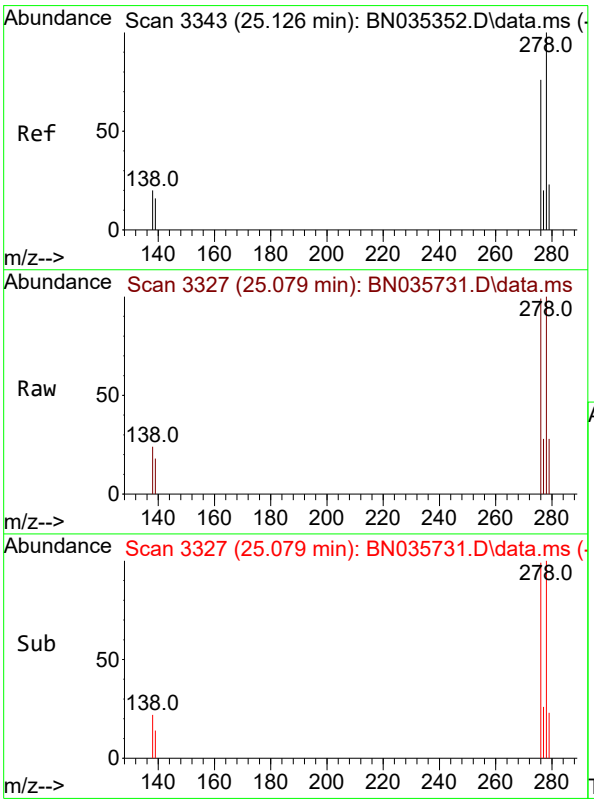
#39
Benzo(a)pyrene
Concen: 0.365 ng
RT: 22.947 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 10146

Ion	Ratio	Lower	Upper
252	100		
253	29.2	20.2	30.4
125	16.5	10.9	16.3#

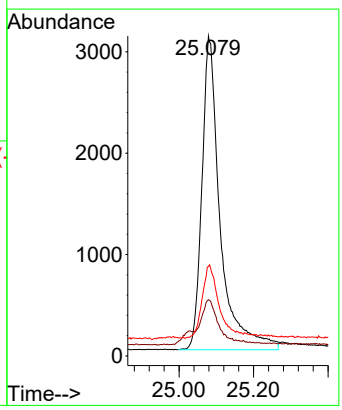


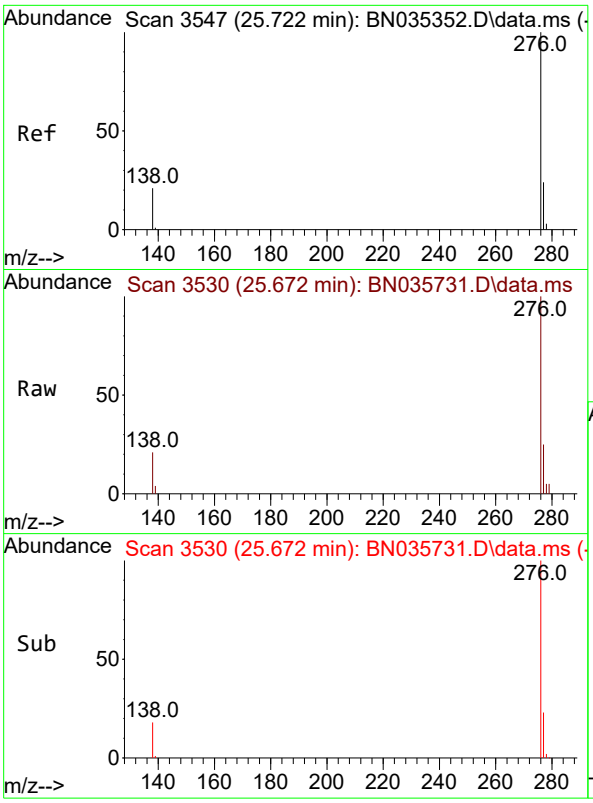


#40
Dibenzo(a,h)anthracene
Concen: 0.370 ng
RT: 25.079 min Scan# 3327
Delta R.T. -0.003 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Tgt Ion:278 Resp: 10523

Ion	Ratio	Lower	Upper
278	100		
139	17.5	14.2	21.4
279	27.9	20.5	30.7



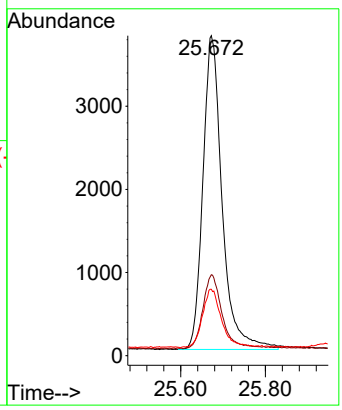


#41
Benzo(g,h,i)perylene
Concen: 0.400 ng
RT: 25.672 min Scan# 3
Delta R.T. -0.006 min
Lab File: BN035731.D
Acq: 20 Dec 2024 08:04

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 11906

Ion	Ratio	Lower	Upper
276	100		
277	25.3	19.9	29.9
138	20.7	17.8	26.8



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035734.D
Acq On : 20 Dec 2024 10:29
Operator : RC/JU
Sample : P5261-12
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210

Quant Time: Dec 20 11:38:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

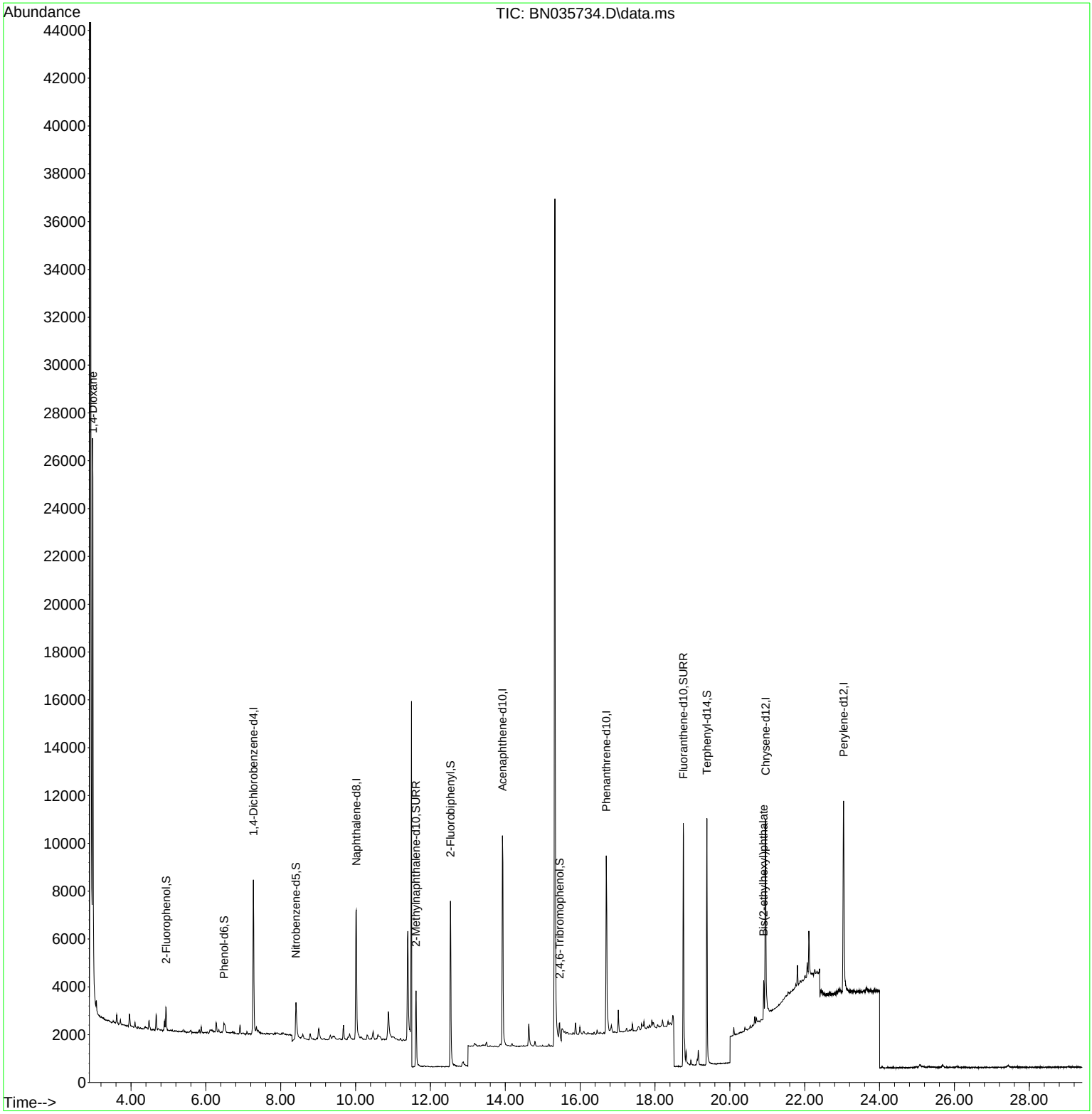
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.272	152	3263	0.400	ng	0.00
7) Naphthalene-d8	10.020	136	9192	0.400	ng	# 0.00
13) Acenaphthene-d10	13.924	164	5650	0.400	ng	-0.01
19) Phenanthrene-d10	16.698	188	11736	0.400	ng	# 0.00
29) Chrysene-d12	20.956	240	10093	0.400	ng	0.00
35) Perylene-d12	23.038	264	11111	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.939	112	901	0.110	ng	0.00
5) Phenol-d6	6.484	99	526	0.054	ng	0.00
8) Nitrobenzene-d5	8.408	82	3001	0.535	ng	0.00
11) 2-Methylnaphthalene-d10	11.616	152	4807	0.334	ng	0.00
14) 2,4,6-Tribromophenol	15.453	330	826	0.206	ng	0.00
15) 2-Fluorobiphenyl	12.539	172	7160	0.335	ng	0.00
27) Fluoranthene-d10	18.757	212	12798	0.385	ng	0.00
31) Terphenyl-d14	19.389	244	11302	0.568	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.982	88	15457	4.955	ng	100
34) Bis(2-ethylhexyl)phtha...	20.902	149	1655	0.119	ng	# 98

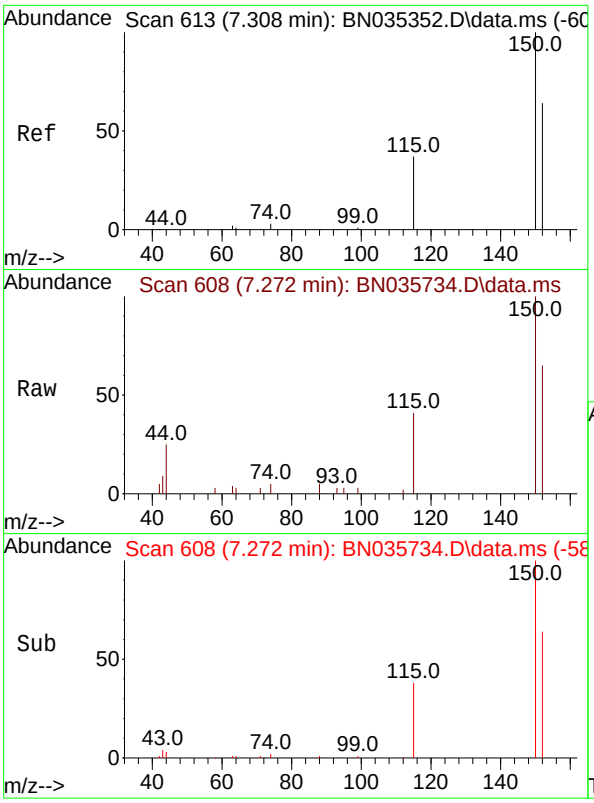
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035734.D
Acq On : 20 Dec 2024 10:29
Operator : RC/JU
Sample : P5261-12
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210

Quant Time: Dec 20 11:38:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration



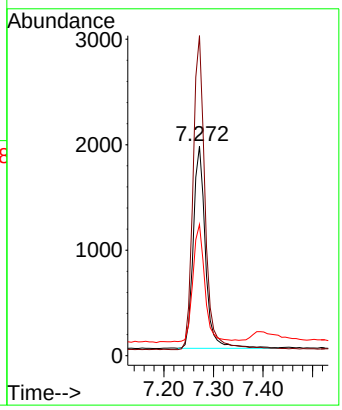


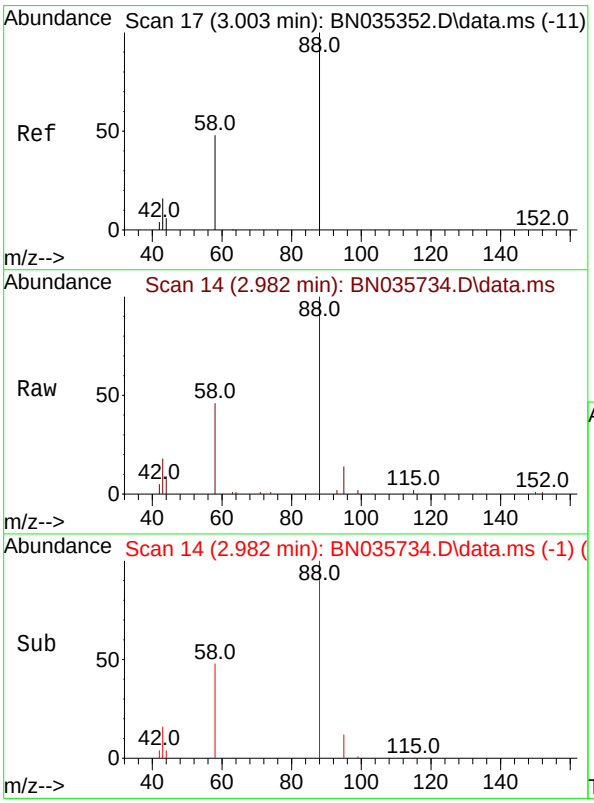
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.272 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN035734.D
Acq: 20 Dec 2024 10:29

Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210

Tgt Ion:152 Resp: 3263

Ion	Ratio	Lower	Upper
152	100		
150	152.8	124.0	186.0
115	62.6	49.6	74.4

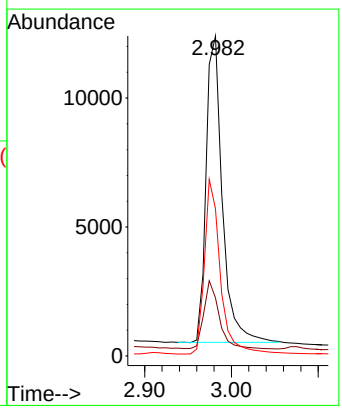


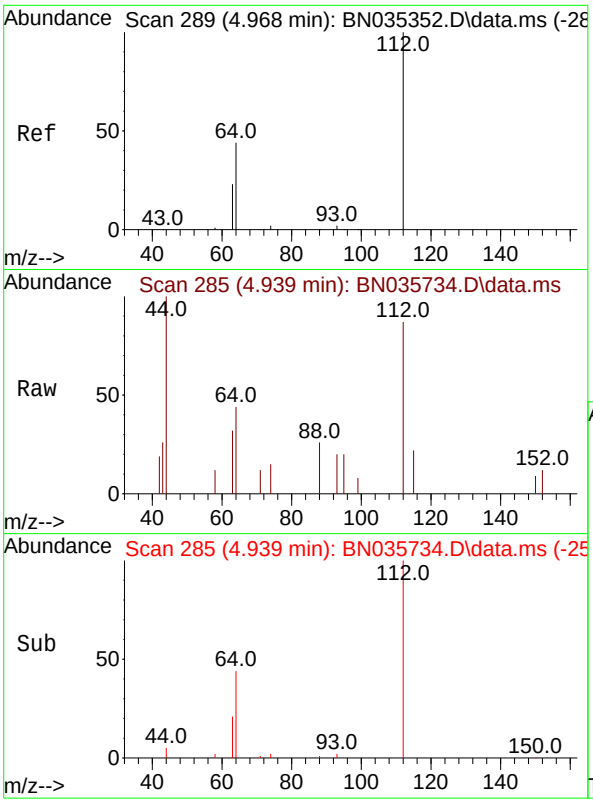


#2
1,4-Dioxane
Concen: 4.955 ng
RT: 2.982 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035734.D
Acq: 20 Dec 2024 10:29

Tgt Ion: 88 Resp: 15457

Ion	Ratio	Lower	Upper
88	100		
43	20.9	17.2	25.8
58	55.7	44.5	66.7



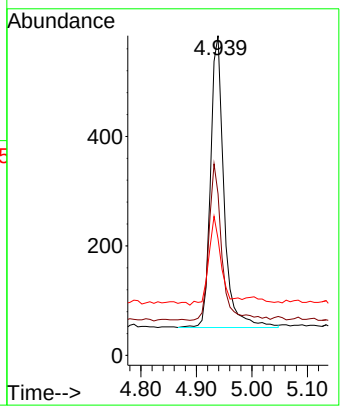


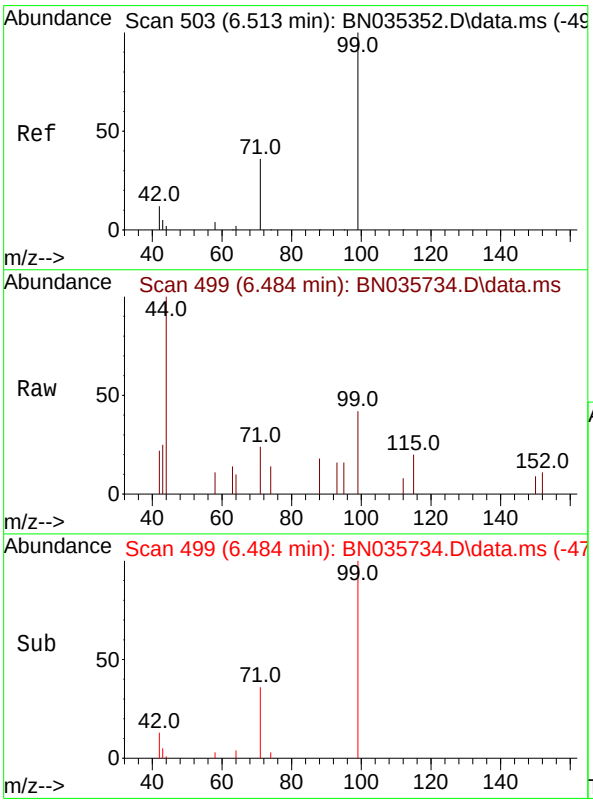
#4
2-Fluorophenol
Concen: 0.110 ng
RT: 4.939 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035734.D
Acq: 20 Dec 2024 10:29

Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210

Tgt Ion:112 Resp: 901

Ion	Ratio	Lower	Upper
112	100		
64	51.1	39.8	59.8
63	27.4	21.0	31.6

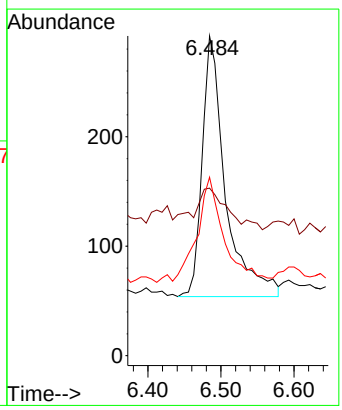


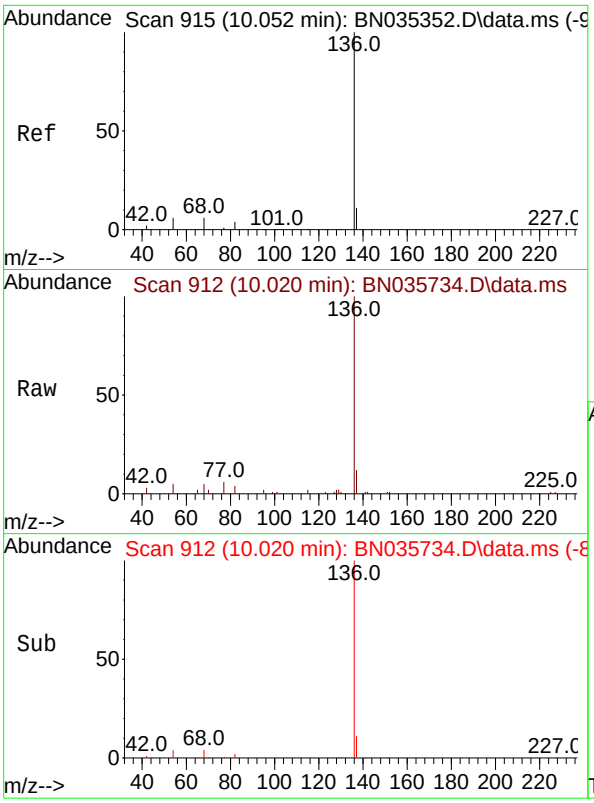


#5
Phenol-d6
Concen: 0.054 ng
RT: 6.484 min Scan# 499
Delta R.T. -0.007 min
Lab File: BN035734.D
Acq: 20 Dec 2024 10:29

Tgt Ion: 99 Resp: 526

Ion	Ratio	Lower	Upper
99	100		
42	19.2	11.4	17.2#
71	47.3	29.3	43.9#



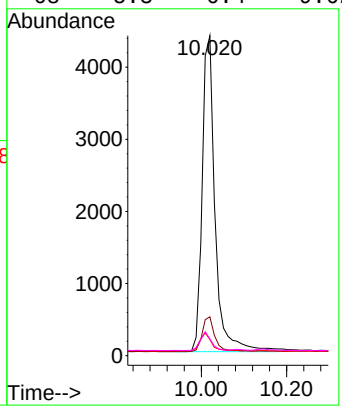


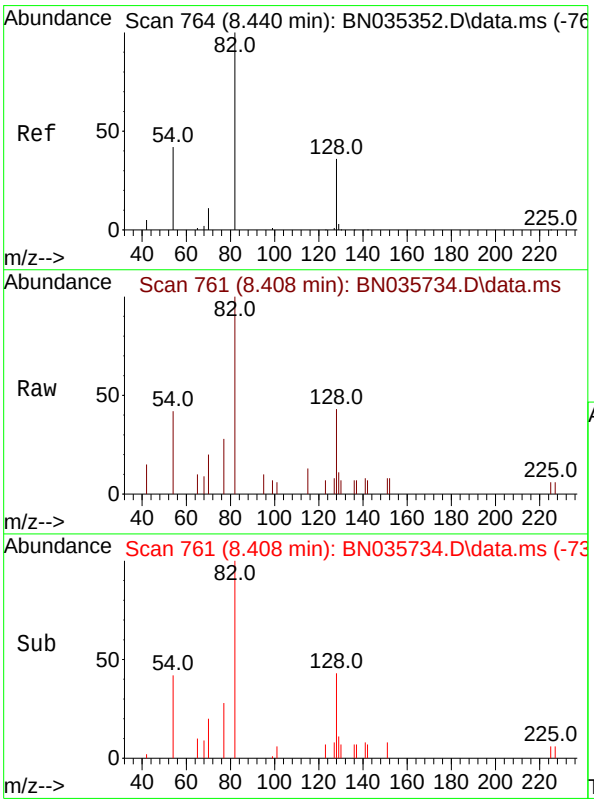
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.020 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN035734.D
Acq: 20 Dec 2024 10:29

Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210

Tgt Ion:136 Resp: 9192

Ion	Ratio	Lower	Upper
136	100		
137	12.1	10.2	15.2
54	5.0	6.1	9.1#
68	5.3	6.4	9.6#

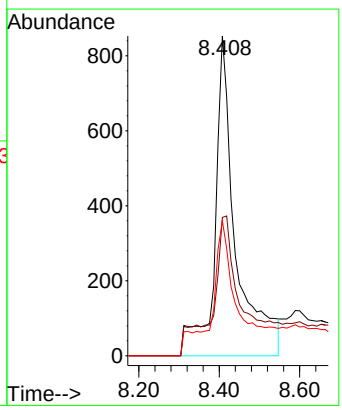


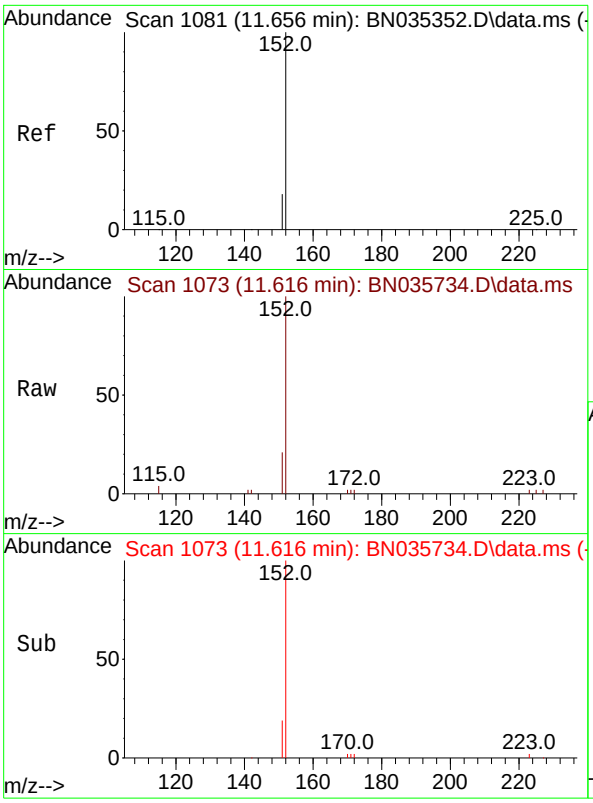


#8
Nitrobenzene-d5
Concen: 0.535 ng
RT: 8.408 min Scan# 761
Delta R.T. -0.000 min
Lab File: BN035734.D
Acq: 20 Dec 2024 10:29

Tgt Ion: 82 Resp: 3001

Ion	Ratio	Lower	Upper
82	100		
128	43.3	33.4	50.0
54	42.2	36.7	55.1



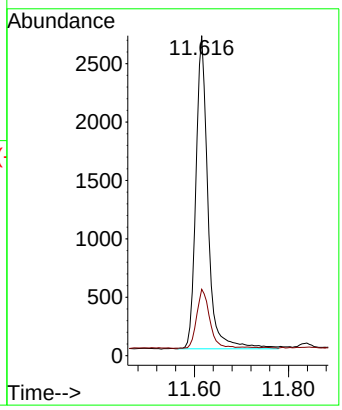


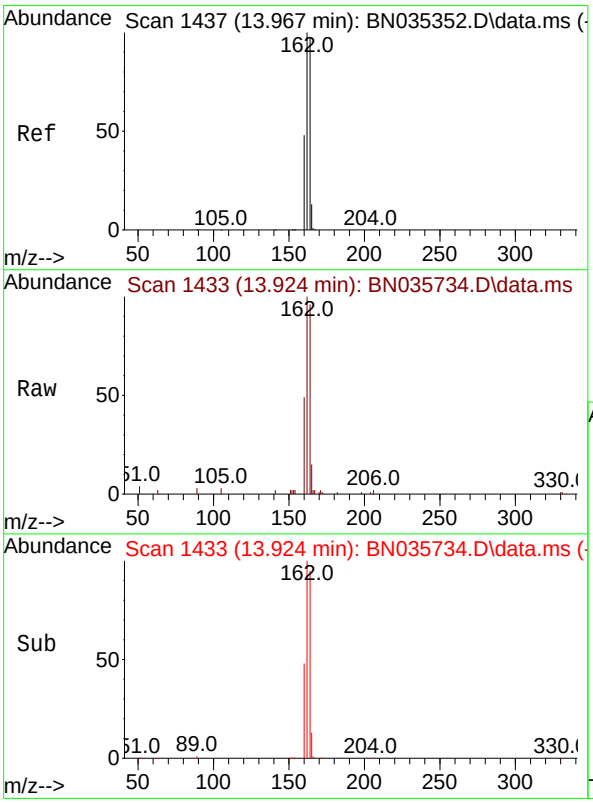
#11
2-Methylnaphthalene-d10
Concen: 0.334 ng
RT: 11.616 min Scan# 1(
Delta R.T. -0.005 min
Lab File: BN035734.D
Acq: 20 Dec 2024 10:29

Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210

Tgt Ion:152 Resp: 4807

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.6	25.0

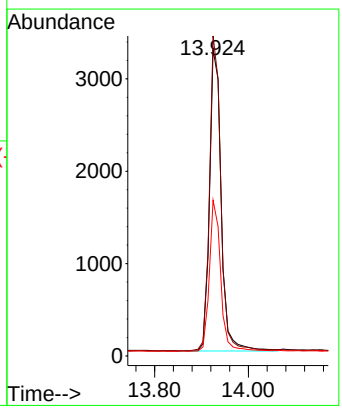


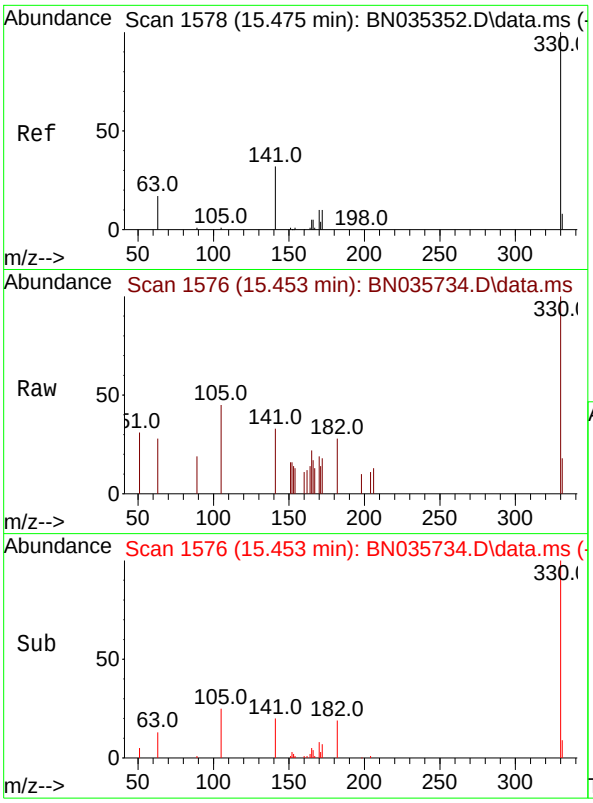


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.924 min Scan# 1433
Delta R.T. -0.011 min
Lab File: BN035734.D
Acq: 20 Dec 2024 10:29

Tgt Ion:164 Resp: 5650

Ion	Ratio	Lower	Upper
164	100		
162	104.5	82.2	123.2
160	50.8	40.1	60.1



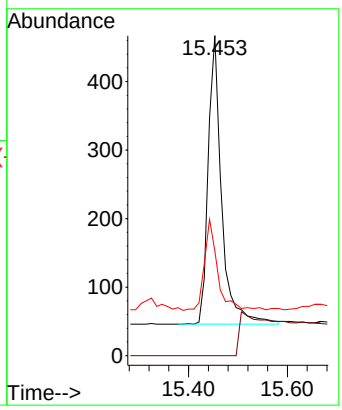


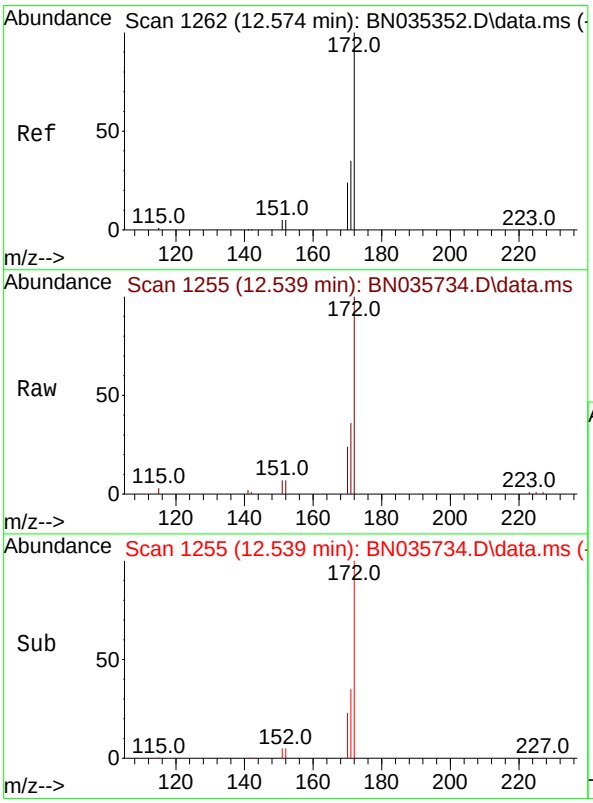
#14
2,4,6-Tribromophenol
Concen: 0.206 ng
RT: 15.453 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035734.D
Acq: 20 Dec 2024 10:29

Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210

Tgt Ion:330 Resp: 826

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	31.1	26.6	40.0

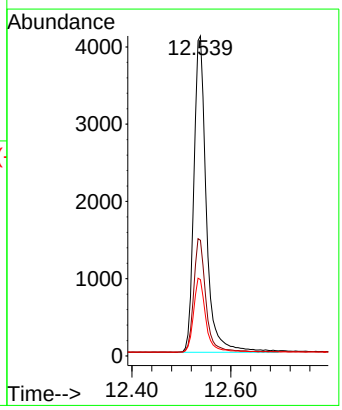


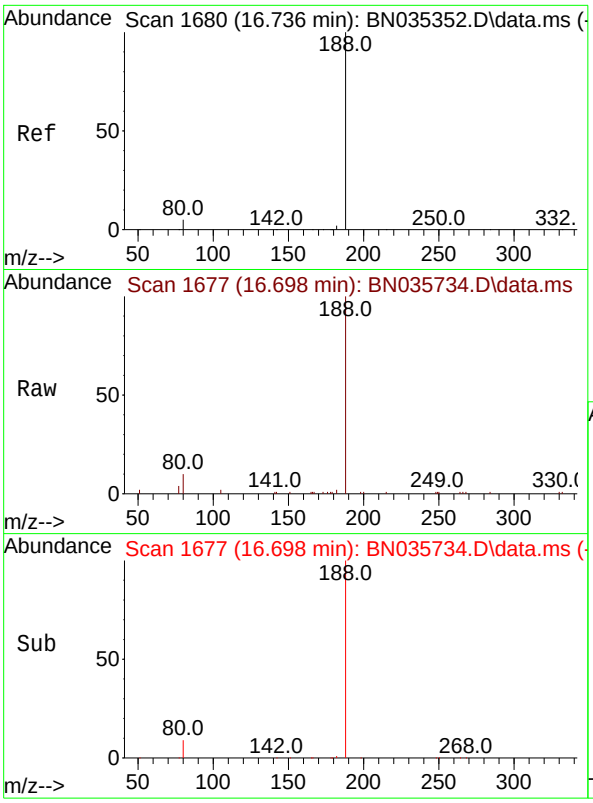


#15
2-Fluorobiphenyl
Concen: 0.335 ng
RT: 12.539 min Scan# 1255
Delta R.T. -0.005 min
Lab File: BN035734.D
Acq: 20 Dec 2024 10:29

Tgt Ion:172 Resp: 7160

Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.0	43.4
170	23.9	19.8	29.8



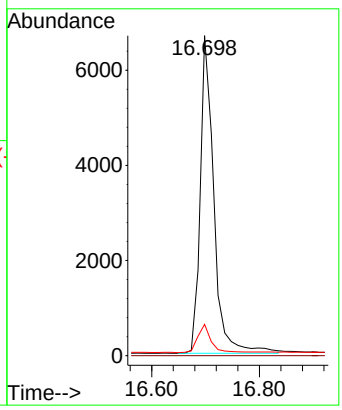


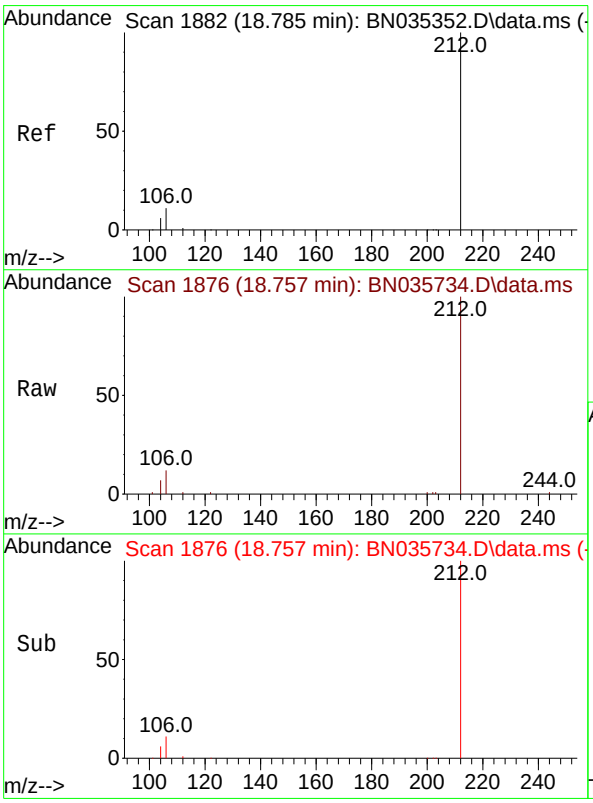
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.698 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN035734.D
Acq: 20 Dec 2024 10:29

Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210

Tgt Ion:188 Resp: 11736

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.8	4.6	6.8#

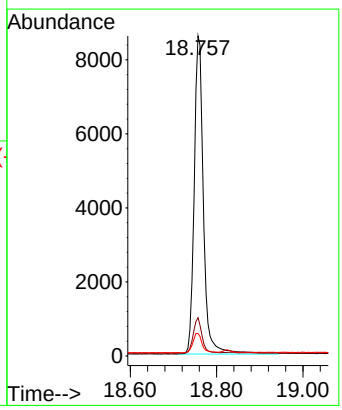


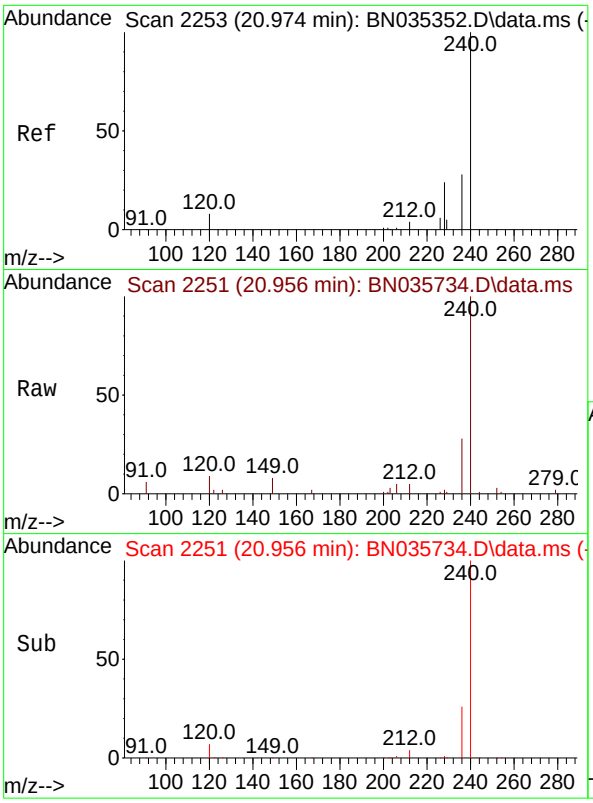


#27
Fluoranthene-d10
Concen: 0.385 ng
RT: 18.757 min Scan# 1876
Delta R.T. -0.005 min
Lab File: BN035734.D
Acq: 20 Dec 2024 10:29

Tgt Ion:212 Resp: 12798

Ion	Ratio	Lower	Upper
212	100		
106	10.5	9.2	13.8
104	6.0	5.3	7.9



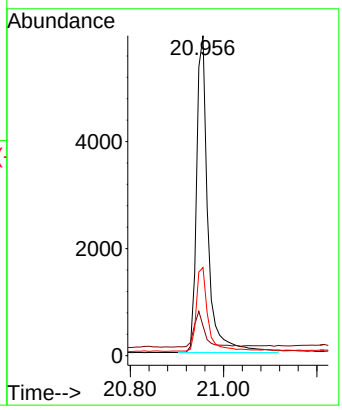


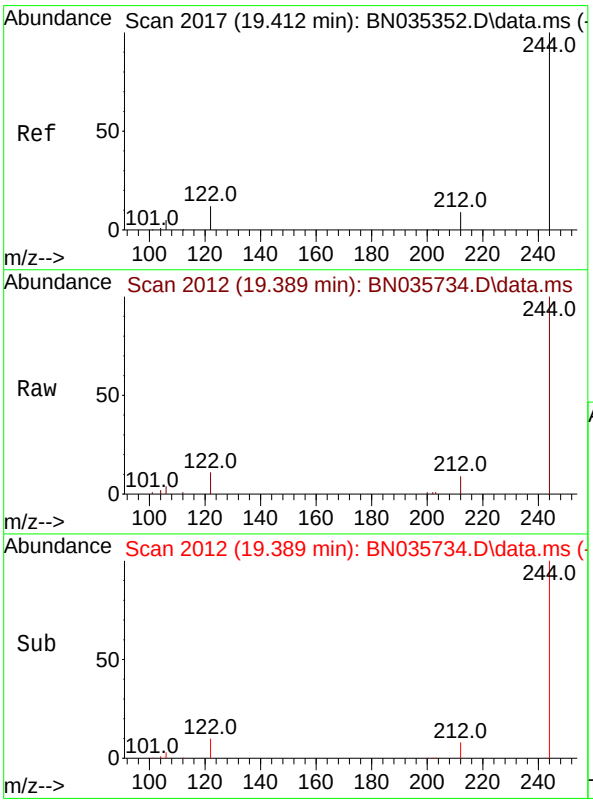
#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.956 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035734.D
Acq: 20 Dec 2024 10:29

Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210

Tgt Ion:240 Resp: 10093

Ion	Ratio	Lower	Upper
240	100		
120	9.3	7.9	11.9
236	27.6	22.9	34.3

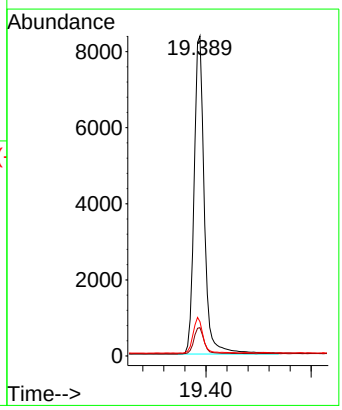


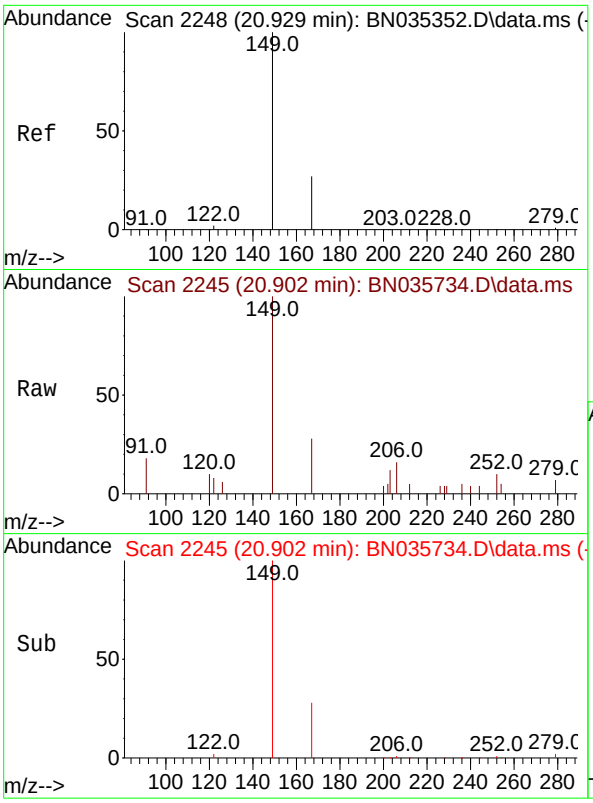


#31
Terphenyl-d14
Concen: 0.568 ng
RT: 19.389 min Scan# 2012
Delta R.T. -0.000 min
Lab File: BN035734.D
Acq: 20 Dec 2024 10:29

Tgt Ion:244 Resp: 11302

Ion	Ratio	Lower	Upper
244	100		
212	8.9	8.1	12.1
122	10.7	10.3	15.5



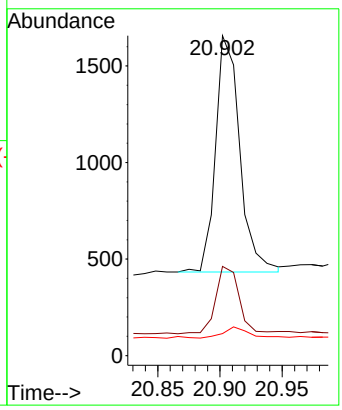


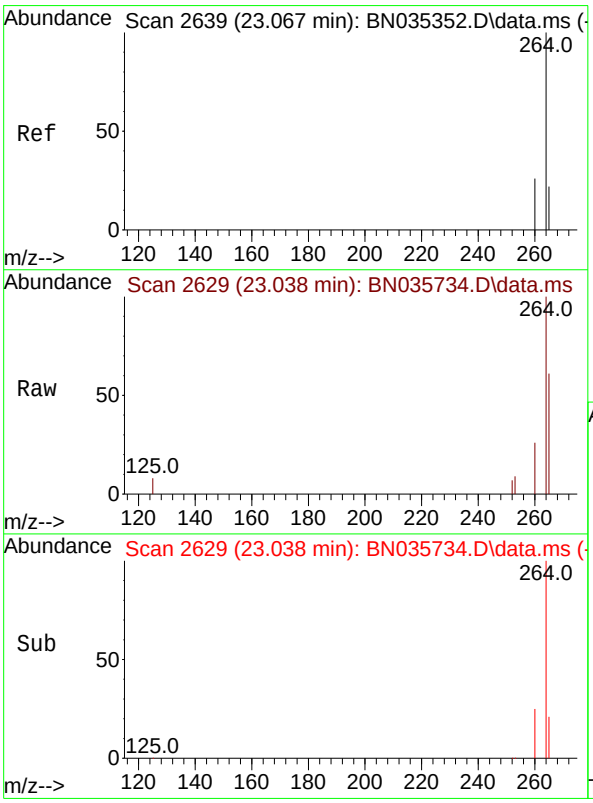
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.119 ng
RT: 20.902 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN035734.D
Acq: 20 Dec 2024 10:29

Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210

Tgt Ion:149 Resp: 1655

Ion	Ratio	Lower	Upper
149	100		
167	28.5	22.2	33.4
279	5.0	2.7	4.1#

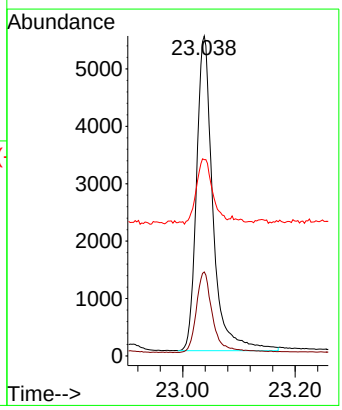




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.038 min Scan# 2629
Delta R.T. -0.003 min
Lab File: BN035734.D
Acq: 20 Dec 2024 10:29

Tgt Ion:264 Resp: 11111

Ion	Ratio	Lower	Upper
264	100		
260	26.3	21.4	32.2
265	61.4	40.2	60.4#



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035737.D
Acq On : 20 Dec 2024 12:17
Operator : RC/JU
Sample : P5261-13MS
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210MS

Quant Time: Dec 20 12:48:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

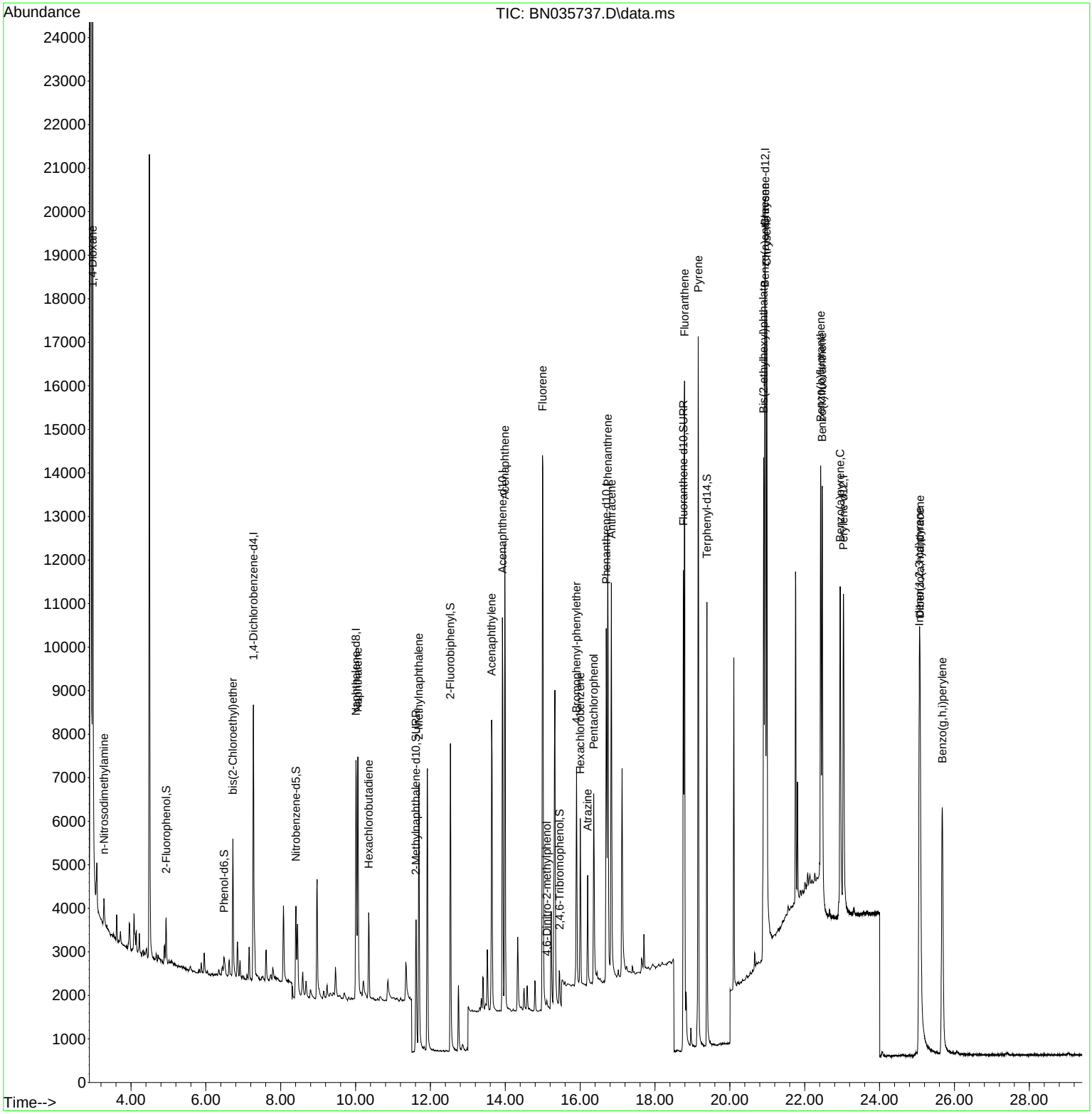
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.272	152	3069	0.400	ng		0.00
7) Naphthalene-d8	10.009	136	8497	0.400	ng		-0.01
13) Acenaphthene-d10	13.924	164	5472	0.400	ng		-0.01
19) Phenanthrene-d10	16.698	188	11238	0.400	ng		# 0.00
29) Chrysene-d12	20.947	240	10070	0.400	ng		# 0.00
35) Perylene-d12	23.035	264	9931	0.400	ng		# 0.00
System Monitoring Compounds							
4) 2-Fluorophenol	4.939	112	900	0.117	ng		0.00
5) Phenol-d6	6.484	99	611	0.066	ng		0.00
8) Nitrobenzene-d5	8.408	82	2503	0.482	ng		0.00
11) 2-Methylnaphthalene-d10	11.616	152	5212	0.392	ng		0.00
14) 2,4,6-Tribromophenol	15.453	330	864	0.222	ng		0.00
15) 2-Fluorobiphenyl	12.533	172	7056	0.341	ng		-0.01
27) Fluoranthene-d10	18.757	212	13055	0.410	ng		0.00
31) Terphenyl-d14	19.389	244	11620	0.585	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.974	88	15474	5.274	ng		98
3) n-Nitrosodimethylamine	3.278	42	397	0.162	ng	#	97
6) bis(2-Chloroethyl)ether	6.723	93	2616	0.337	ng		99
9) Naphthalene	10.063	128	7406	0.330	ng		100
10) Hexachlorobutadiene	10.351	225	1637	0.317	ng	#	100
12) 2-Methylnaphthalene	11.692	142	5182	0.323	ng		99
16) Acenaphthylene	13.636	152	8176	0.356	ng		99
17) Acenaphthene	13.989	154	5295	0.347	ng		98
18) Fluorene	14.994	166	7056	0.323	ng		99
20) 4,6-Dinitro-2-methylph...	15.111	198	186	0.168	ng	#	6
21) 4-Bromophenyl-phenylether	15.904	248	2268	0.345	ng	#	85
22) Hexachlorobenzene	16.003	284	3067	0.397	ng		95
23) Atrazine	16.202	200	1963	0.420	ng		95
24) Pentachlorophenol	16.363	266	2548	0.759	ng		86
25) Phenanthrene	16.736	178	11800	0.382	ng		99
26) Anthracene	16.835	178	10506	0.376	ng		99
28) Fluoranthene	18.789	202	14548	0.350	ng		100
30) Pyrene	19.156	202	15486	0.417	ng		99
32) Benzo(a)anthracene	20.938	228	13128	0.373	ng		98
33) Chrysene	20.983	228	14397	0.396	ng		100
34) Bis(2-ethylhexyl)phtha...	20.902	149	12764	0.918	ng		97
36) Indeno(1,2,3-cd)pyrene	25.061	276	15032	0.387	ng		96
37) Benzo(b)fluoranthene	22.427	252	22144	0.610	ng		97
38) Benzo(k)fluoranthene	22.468	252	14125	0.395	ng		96
39) Benzo(a)pyrene	22.947	252	11859	0.396	ng		94
40) Dibenzo(a,h)anthracene	25.082	278	11425	0.373	ng		97
41) Benzo(g,h,i)perylene	25.675	276	12077	0.377	ng		99

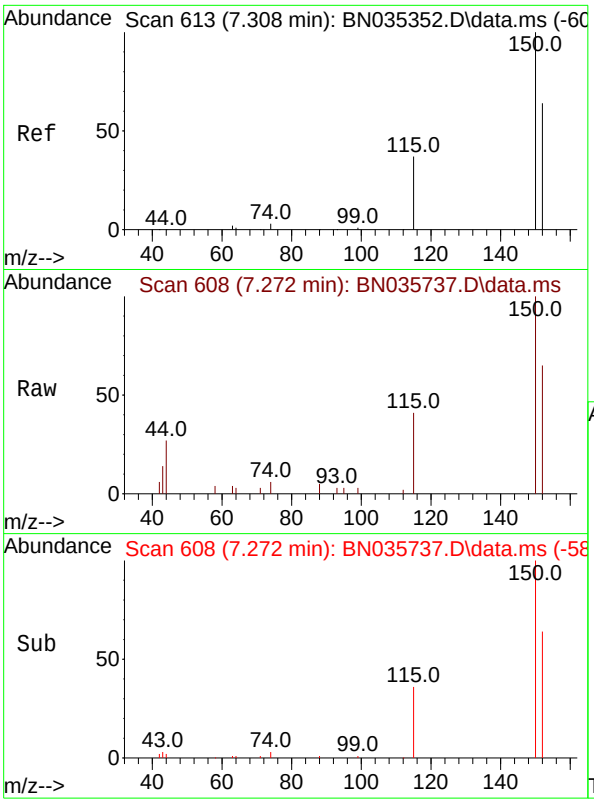
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035737.D
Acq On : 20 Dec 2024 12:17
Operator : RC/JU
Sample : P5261-13MS
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210MS

Quant Time: Dec 20 12:48:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration



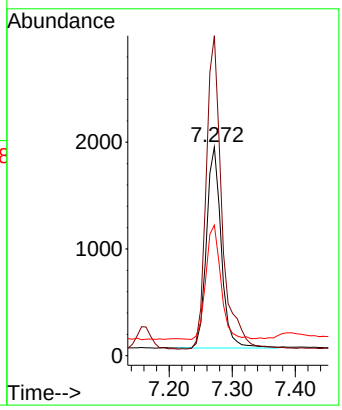


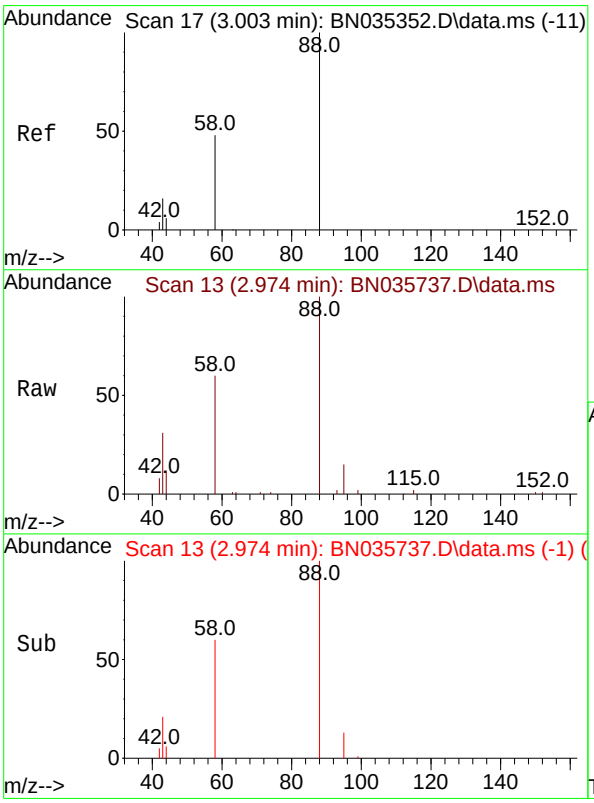
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.272 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210MS

Tgt Ion:152 Resp: 3069

Ion	Ratio	Lower	Upper
152	100		
150	153.4	124.0	186.0
115	62.6	49.6	74.4

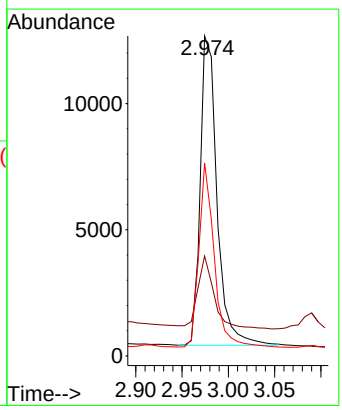


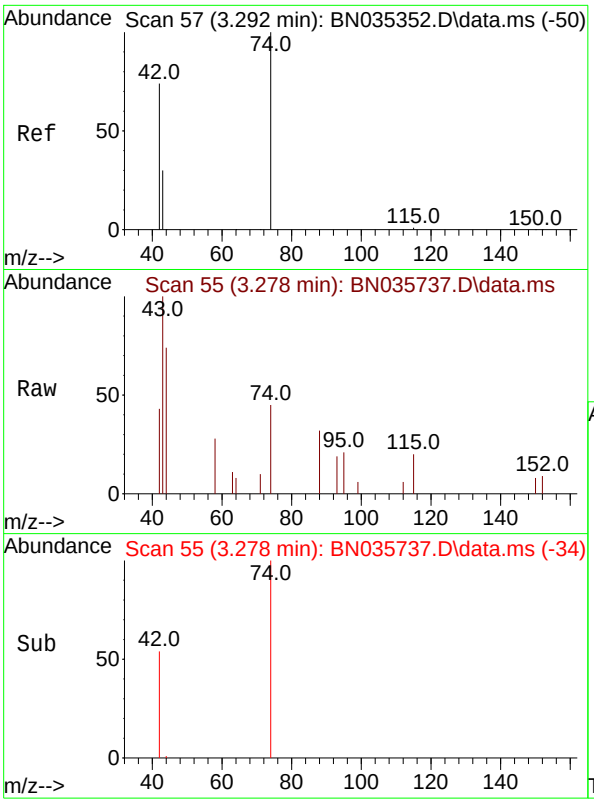


#2
1,4-Dioxane
Concen: 5.274 ng
RT: 2.974 min Scan# 13
Delta R.T. -0.007 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Tgt Ion: 88 Resp: 15474

Ion	Ratio	Lower	Upper
88	100		
43	22.7	17.2	25.8
58	54.2	44.5	66.7



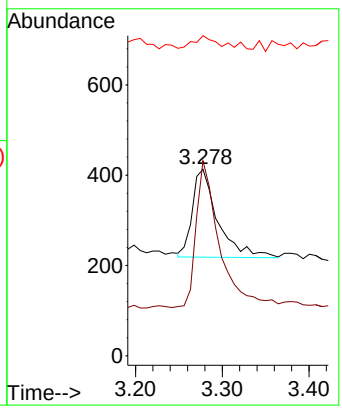


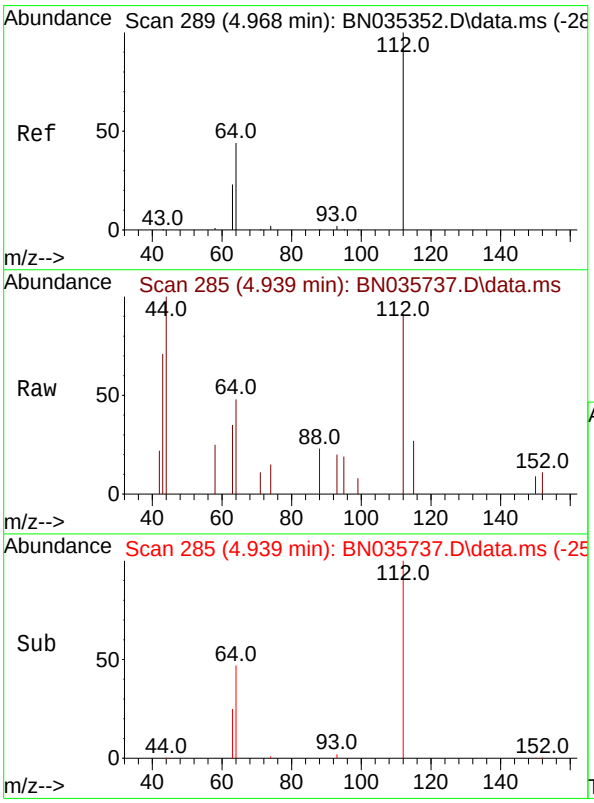
#3
n-Nitrosodimethylamine
Concen: 0.162 ng
RT: 3.278 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210MS

Tgt Ion: 42 Resp: 397

Ion	Ratio	Lower	Upper
42	100		
74	152.9	124.9	187.3
44	15.9	2.2	3.4#

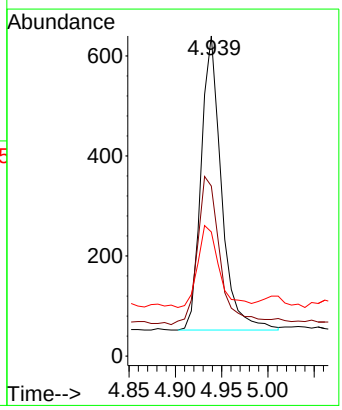


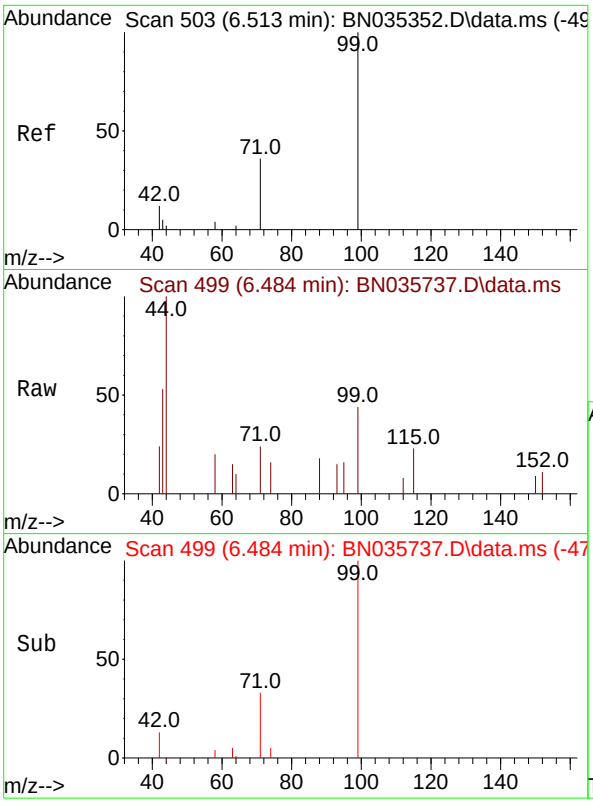


#4
2-Fluorophenol
Concen: 0.117 ng
RT: 4.939 min Scan# 285
Delta R.T. -0.000 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Tgt Ion:112 Resp: 900

Ion	Ratio	Lower	Upper
112	100		
64	55.2	39.8	59.8
63	29.2	21.0	31.6



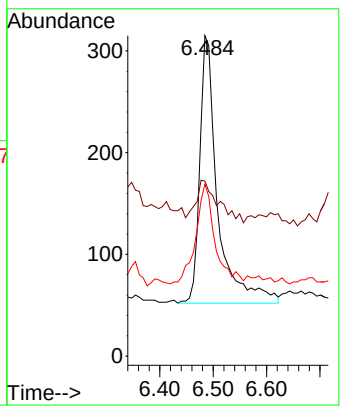


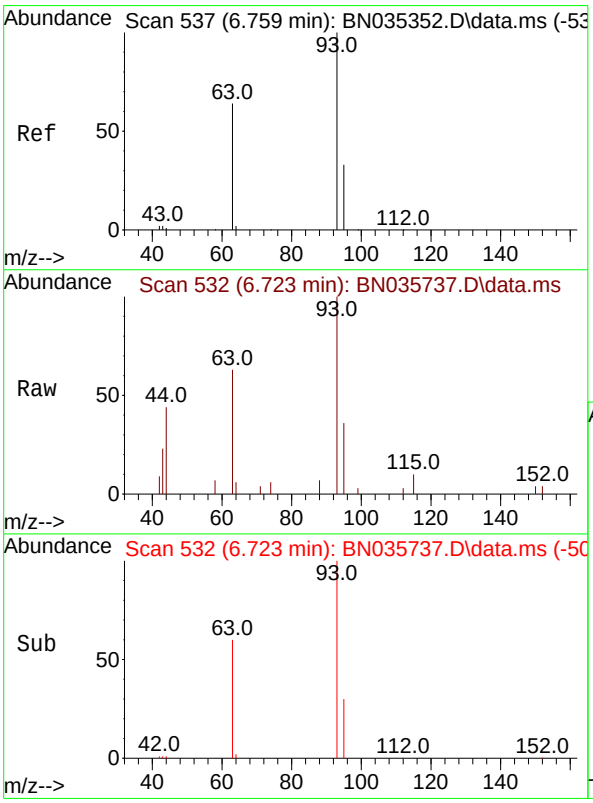
#5
Phenol-d6
Concen: 0.066 ng
RT: 6.484 min Scan# 4
Delta R.T. -0.007 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210MS

Tgt Ion: 99 Resp: 611

Ion	Ratio	Lower	Upper
99	100		
42	19.6	11.4	17.2#
71	40.4	29.3	43.9

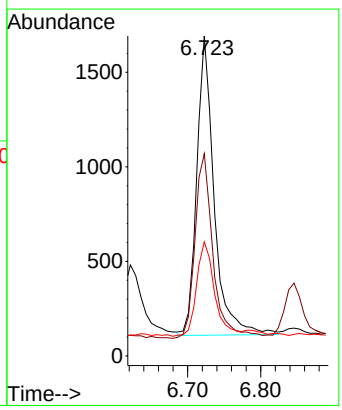


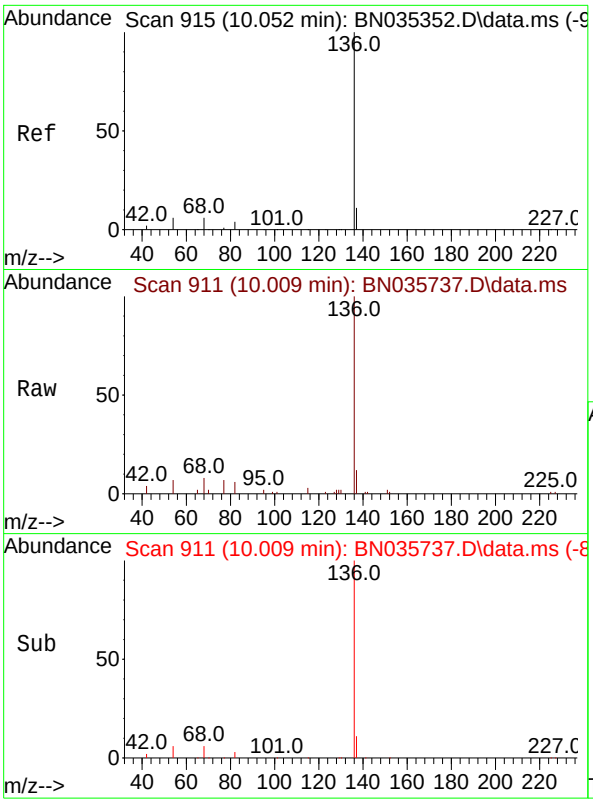


#6
bis(2-Chloroethyl)ether
Concen: 0.337 ng
RT: 6.723 min Scan# 532
Delta R.T. -0.007 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Tgt Ion: 93 Resp: 2616

Ion	Ratio	Lower	Upper
93	100		
63	64.0	50.4	75.6
95	32.5	25.7	38.5



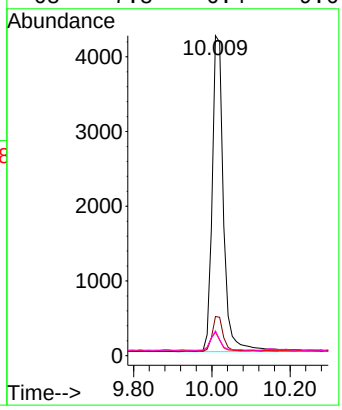


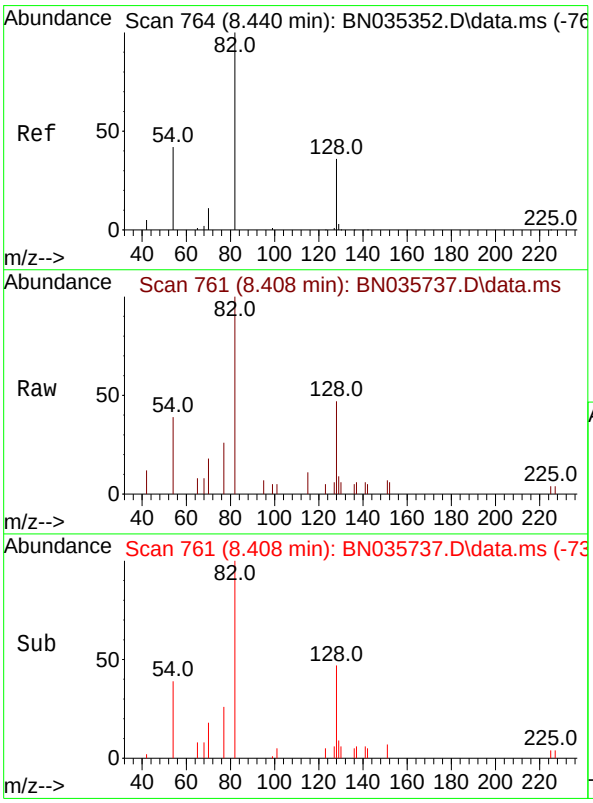
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.009 min Scan# 9
Delta R.T. -0.011 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210MS

Tgt Ion:136 Resp: 8497

Ion	Ratio	Lower	Upper
136	100		
137	12.3	10.2	15.2
54	7.4	6.1	9.1
68	7.8	6.4	9.6

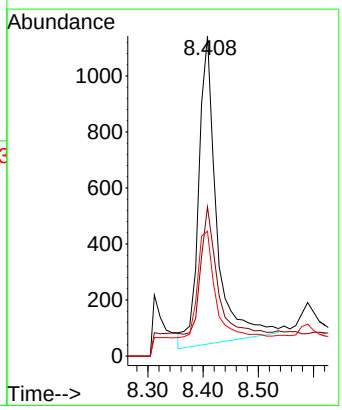


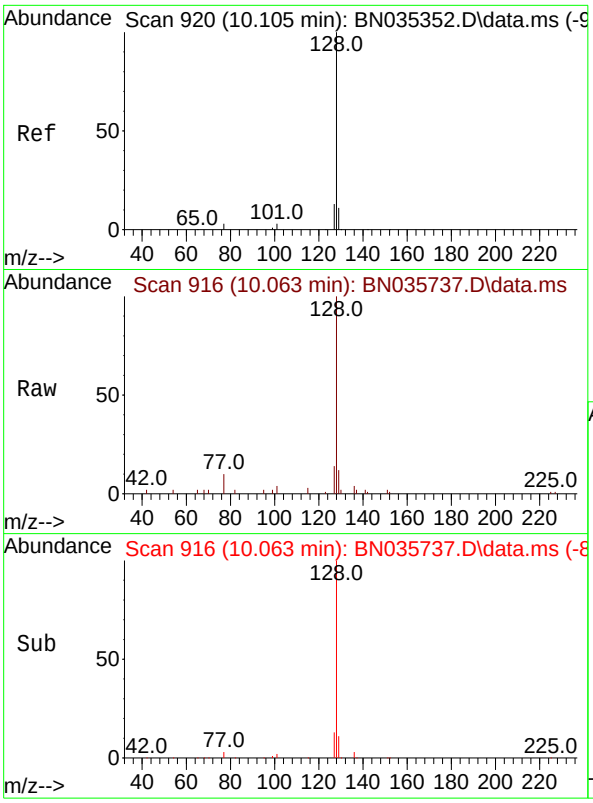


#8
Nitrobenzene-d5
Concen: 0.482 ng
RT: 8.408 min Scan# 761
Delta R.T. -0.000 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Tgt Ion: 82 Resp: 2503

Ion	Ratio	Lower	Upper
82	100		
128	46.6	33.4	50.0
54	39.0	36.7	55.1



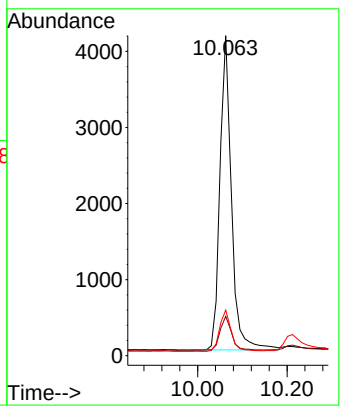


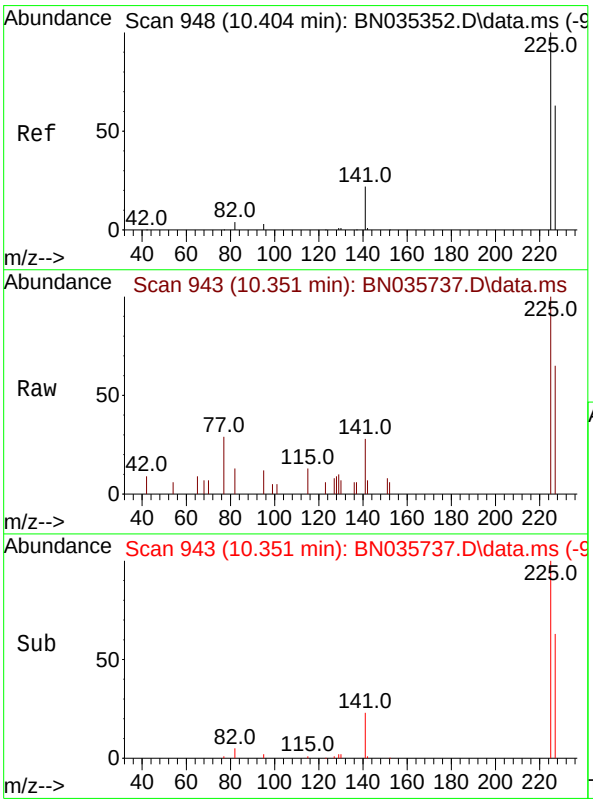
#9
Naphthalene
Concen: 0.330 ng
RT: 10.063 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210MS

Tgt Ion:128 Resp: 7406

Ion	Ratio	Lower	Upper
128	100		
129	12.3	9.8	14.6
127	14.3	11.4	17.2

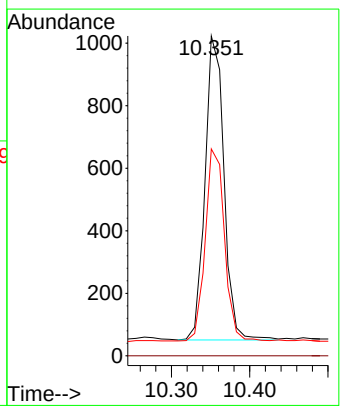


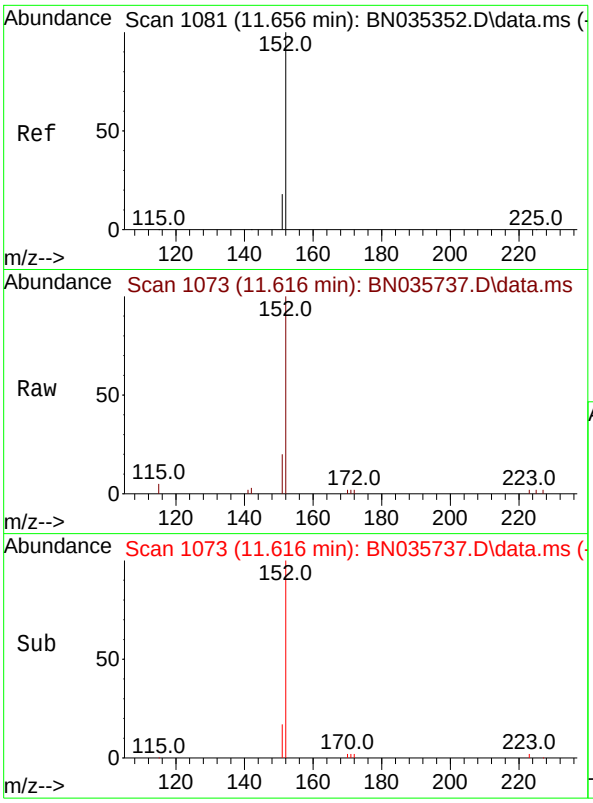


#10
Hexachlorobutadiene
Concen: 0.317 ng
RT: 10.351 min Scan# 943
Delta R.T. -0.011 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Tgt Ion:225 Resp: 1637

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.0	51.3	76.9



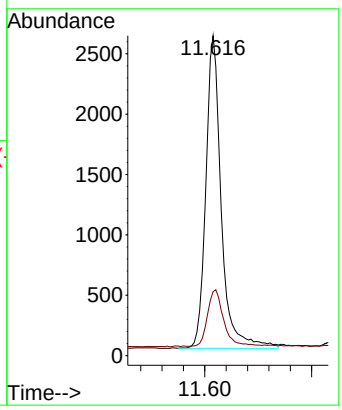


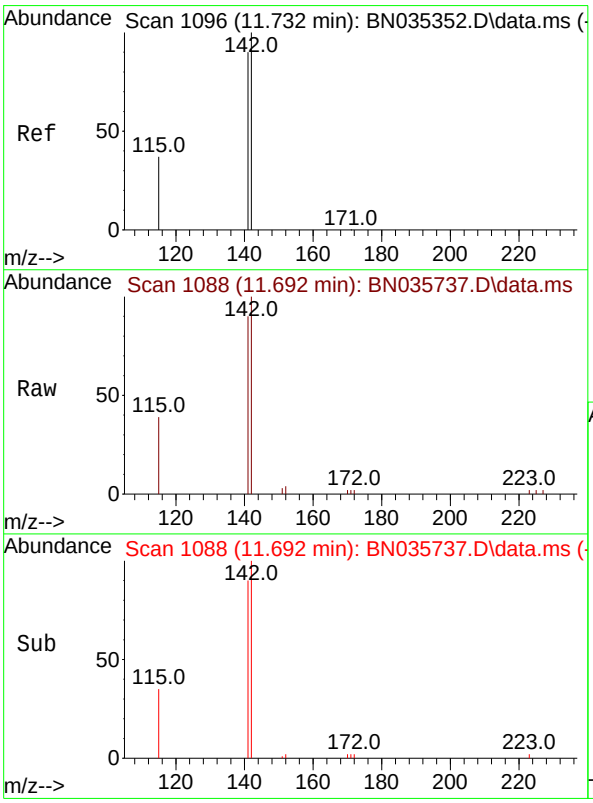
#11
2-Methylnaphthalene-d10
Concen: 0.392 ng
RT: 11.616 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210MS

Tgt Ion:152 Resp: 5212

Ion	Ratio	Lower	Upper
152	100		
151	18.9	16.6	25.0

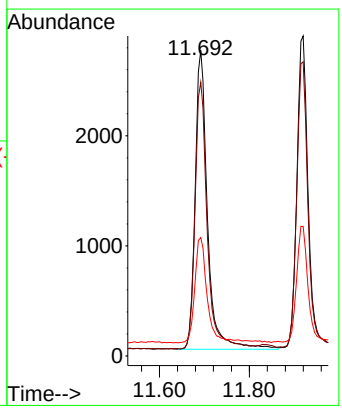


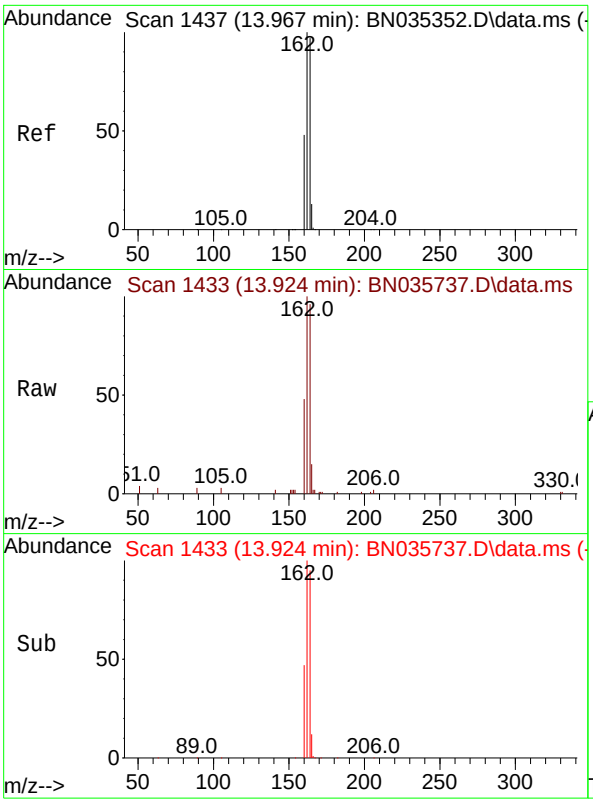


#12
2-Methylnaphthalene
Concen: 0.323 ng
RT: 11.692 min Scan# 1088
Delta R.T. -0.005 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Tgt Ion:142 Resp: 5182

Ion	Ratio	Lower	Upper
142	100		
141	89.6	72.2	108.4
115	38.8	31.4	47.0



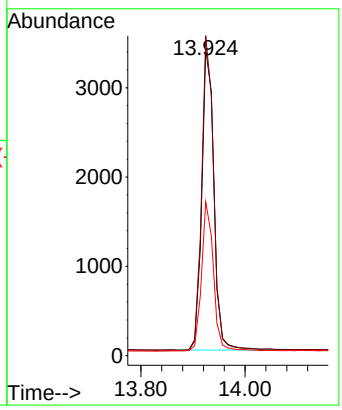


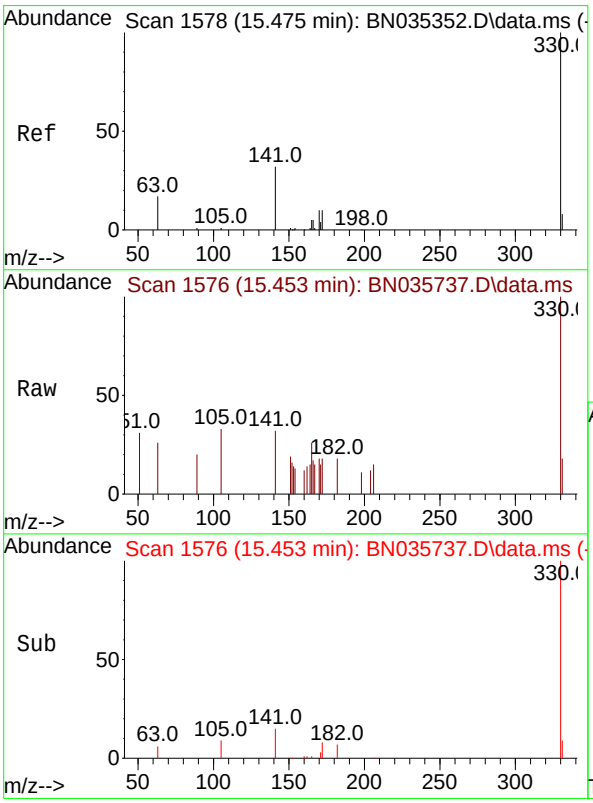
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.924 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210MS

Tgt Ion:164 Resp: 5472

Ion	Ratio	Lower	Upper
164	100		
162	104.5	82.2	123.2
160	50.3	40.1	60.1

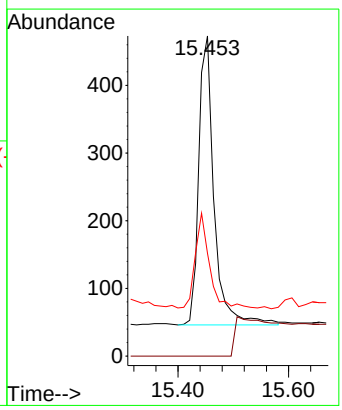


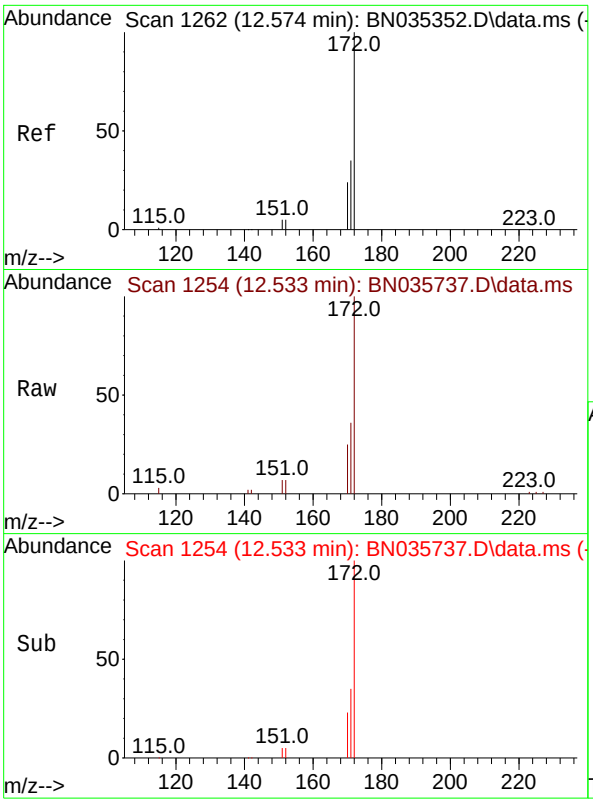


#14
2,4,6-Tribromophenol
Concen: 0.222 ng
RT: 15.453 min Scan# 1576
Delta R.T. -0.000 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Tgt Ion:330 Resp: 864

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	29.4	26.6	40.0



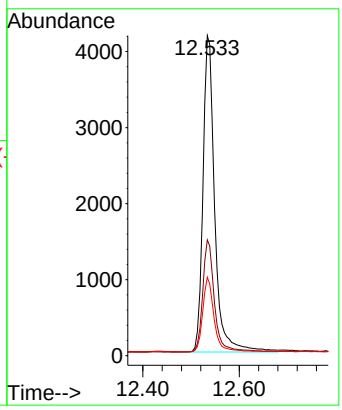


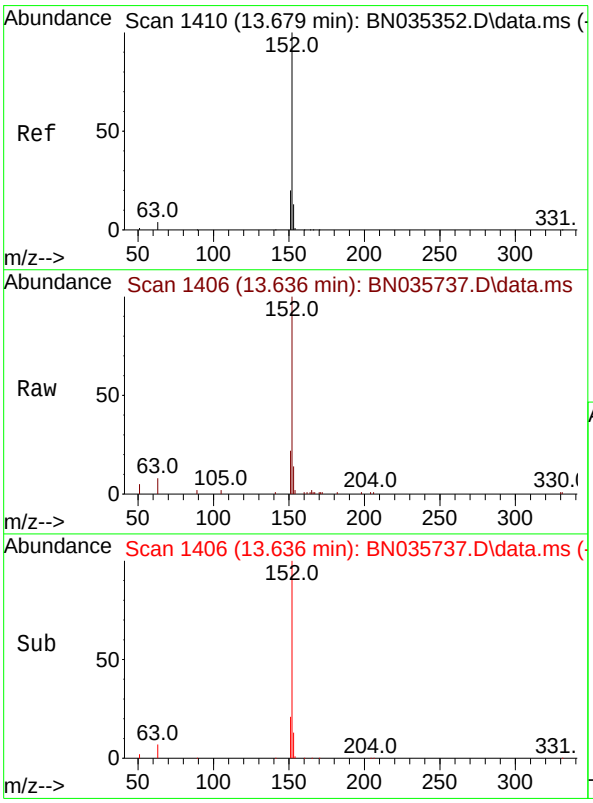
#15
2-Fluorobiphenyl
Concen: 0.341 ng
RT: 12.533 min Scan# 1
Delta R.T. -0.010 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210MS

Tgt Ion:172 Resp: 7056

Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.0	43.4
170	24.5	19.8	29.8

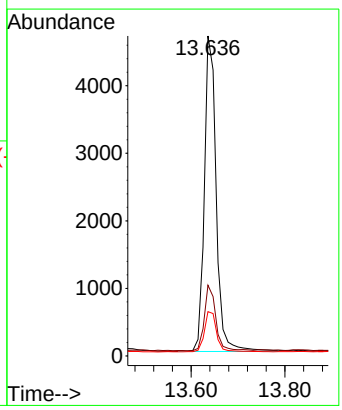


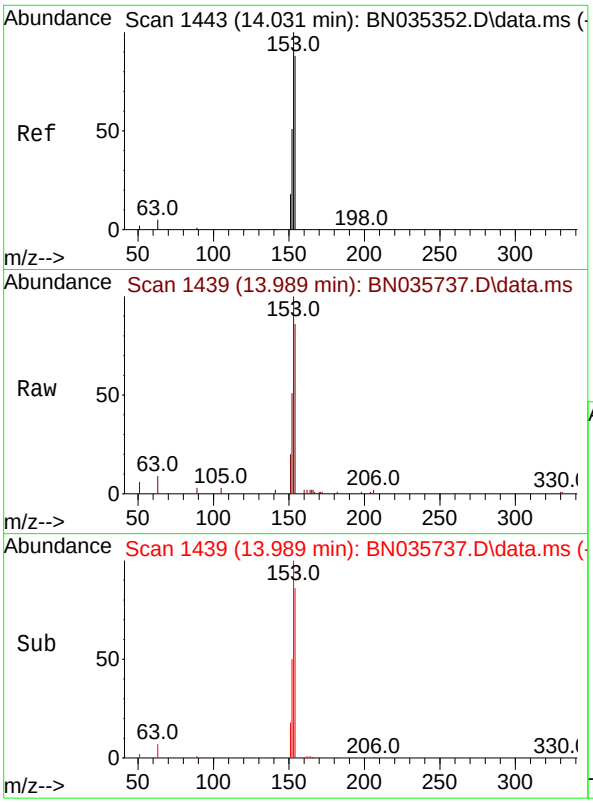


#16
Acenaphthylene
Concen: 0.356 ng
RT: 13.636 min Scan# 1406
Delta R.T. -0.011 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Tgt Ion:152 Resp: 8176

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.2	24.2
153	13.3	10.4	15.6



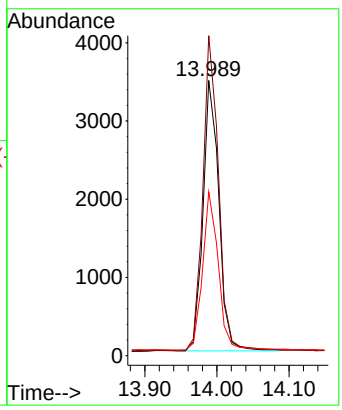


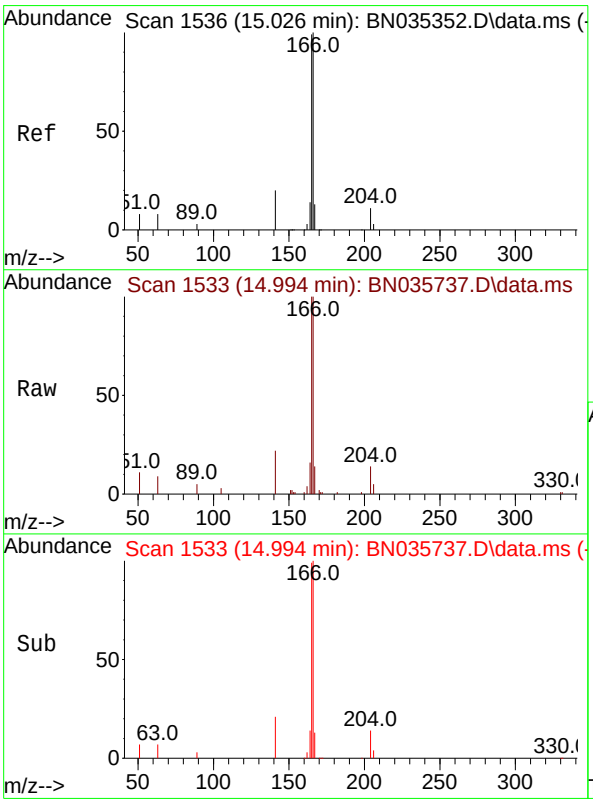
#17
Acenaphthene
Concen: 0.347 ng
RT: 13.989 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210MS

Tgt Ion:154 Resp: 5295

Ion	Ratio	Lower	Upper
154	100		
153	115.4	92.6	139.0
152	58.1	49.0	73.6

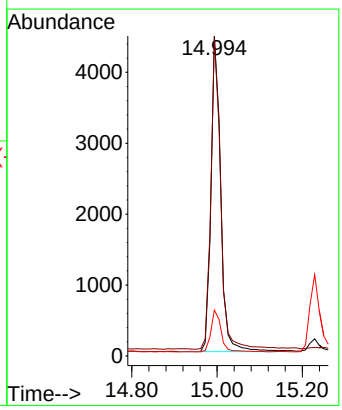


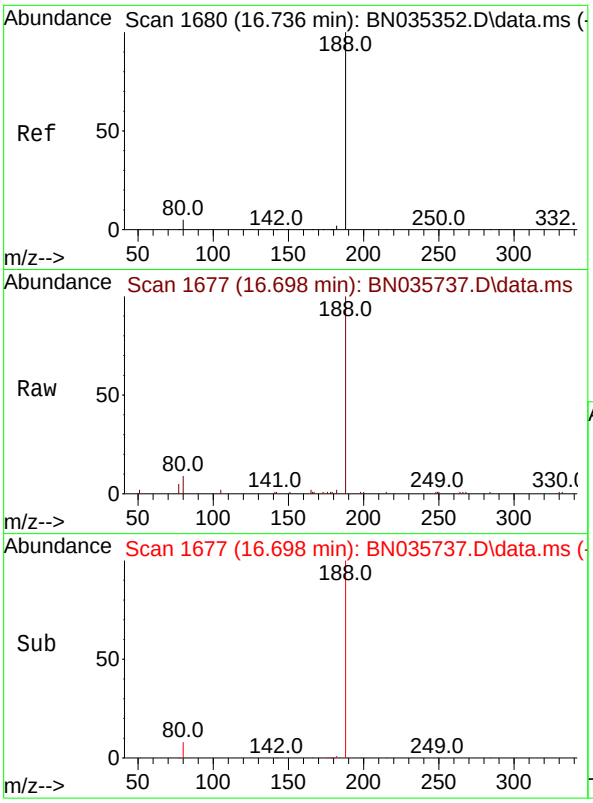


#18
Fluorene
Concen: 0.323 ng
RT: 14.994 min Scan# 1533
Delta R.T. -0.011 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Tgt Ion:166 Resp: 7056

Ion	Ratio	Lower	Upper
166	100		
165	98.8	79.7	119.5
167	13.8	10.8	16.2



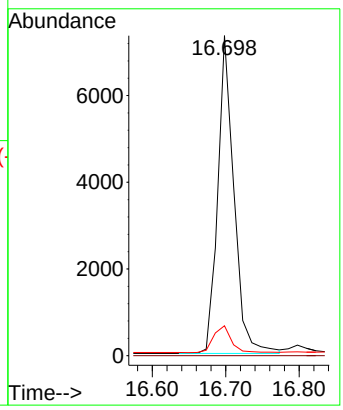


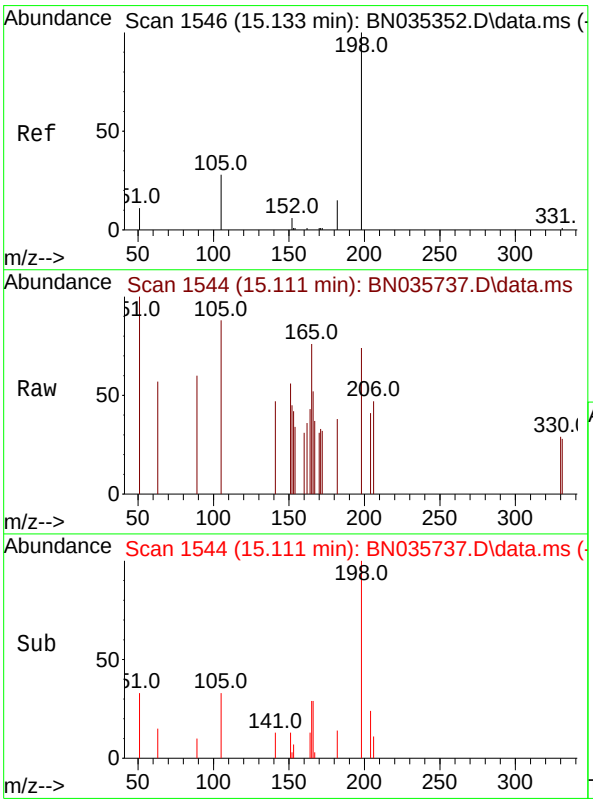
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.698 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210MS

Tgt Ion:188 Resp: 11238

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.4	4.6	6.8#

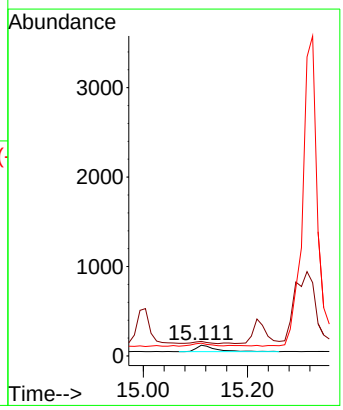


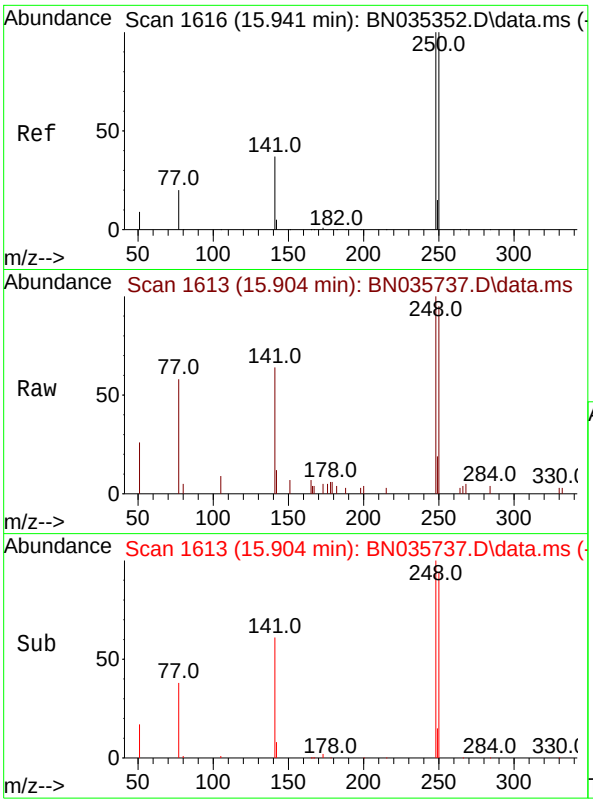


#20
4,6-Dinitro-2-methylphenol
Concen: 0.168 ng
RT: 15.111 min Scan# 1544
Delta R.T. -0.011 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Tgt Ion:198 Resp: 186

Ion	Ratio	Lower	Upper
198	100		
51	134.7	46.5	69.7#
105	118.2	45.3	67.9#



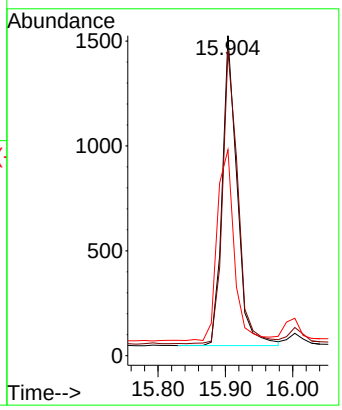


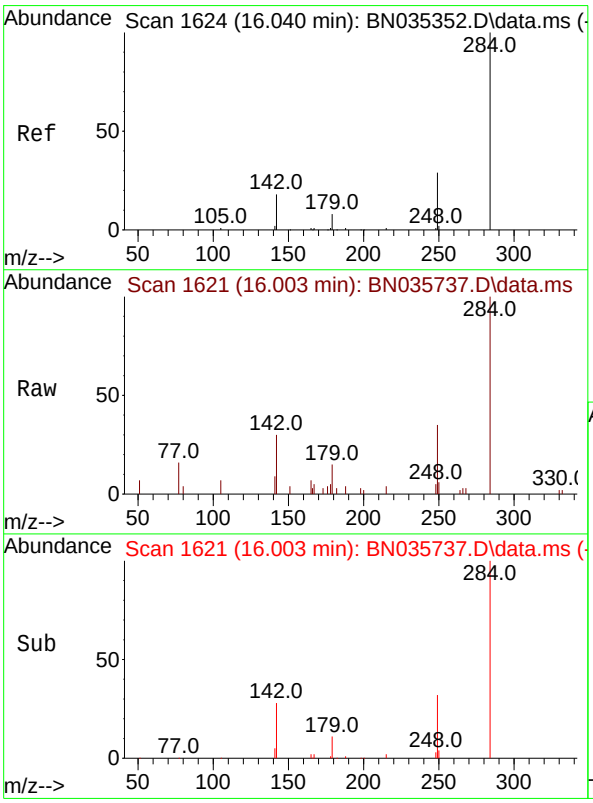
#21
4-Bromophenyl-phenylether
Concen: 0.345 ng
RT: 15.904 min Scan# 1
Delta R.T. -0.013 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210MS

Tgt Ion:248 Resp: 2268

Ion	Ratio	Lower	Upper
248	100		
250	95.3	80.6	120.8
141	64.4	31.5	47.3#

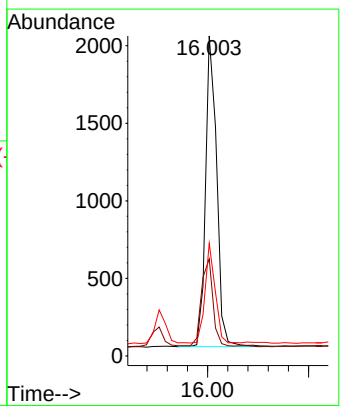


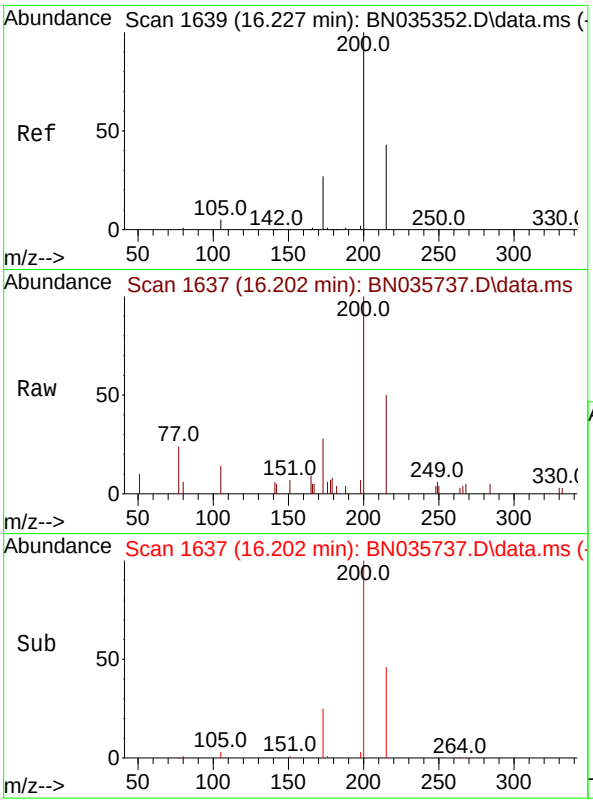


#22
Hexachlorobenzene
Concen: 0.397 ng
RT: 16.003 min Scan# 1621
Delta R.T. -0.013 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Tgt Ion:284 Resp: 3067

Ion	Ratio	Lower	Upper
284	100		
142	29.0	26.7	40.1
249	29.8	24.6	36.8



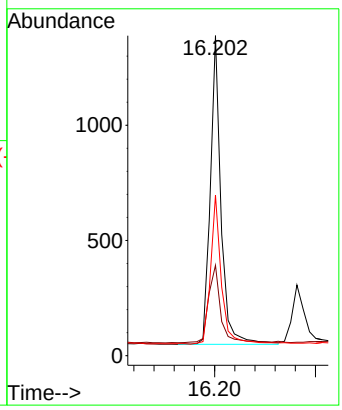


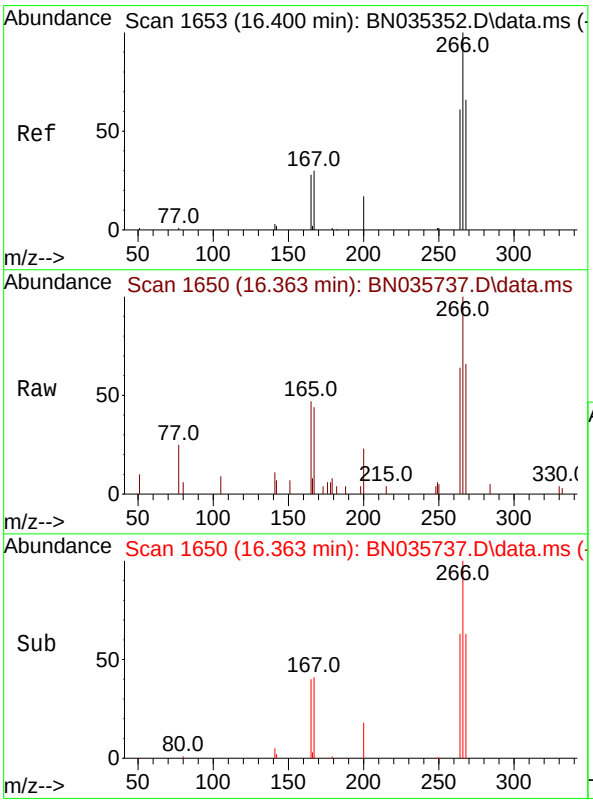
#23
Atrazine
Concen: 0.420 ng
RT: 16.202 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210MS

Tgt Ion:200 Resp: 1963

Ion	Ratio	Lower	Upper
200	100		
173	28.2	24.1	36.1
215	50.2	36.9	55.3

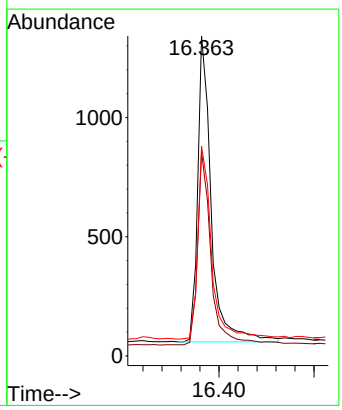


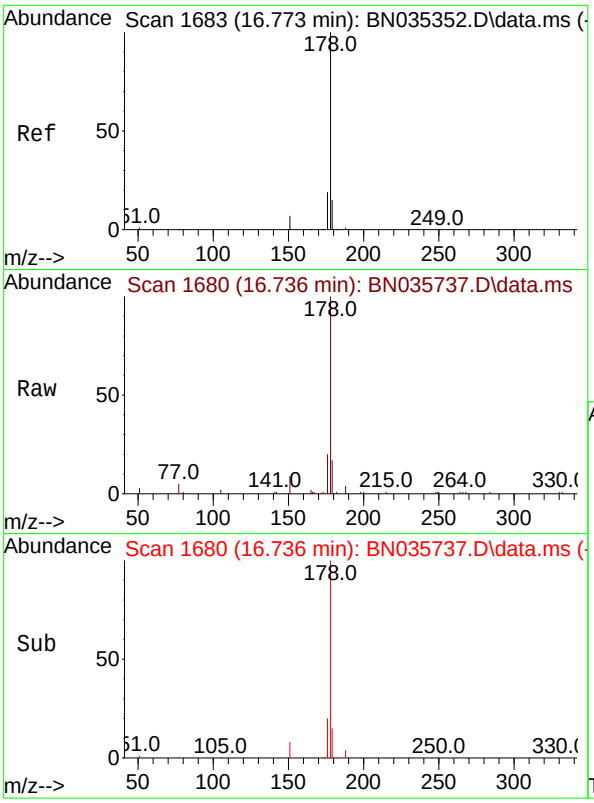


#24
Pentachlorophenol
Concen: 0.759 ng
RT: 16.363 min Scan# 1650
Delta R.T. -0.013 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Tgt Ion:266 Resp: 2548

Ion	Ratio	Lower	Upper
266	100		
264	62.5	42.3	63.5
268	64.7	43.3	64.9



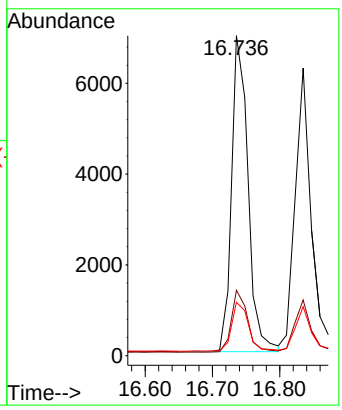


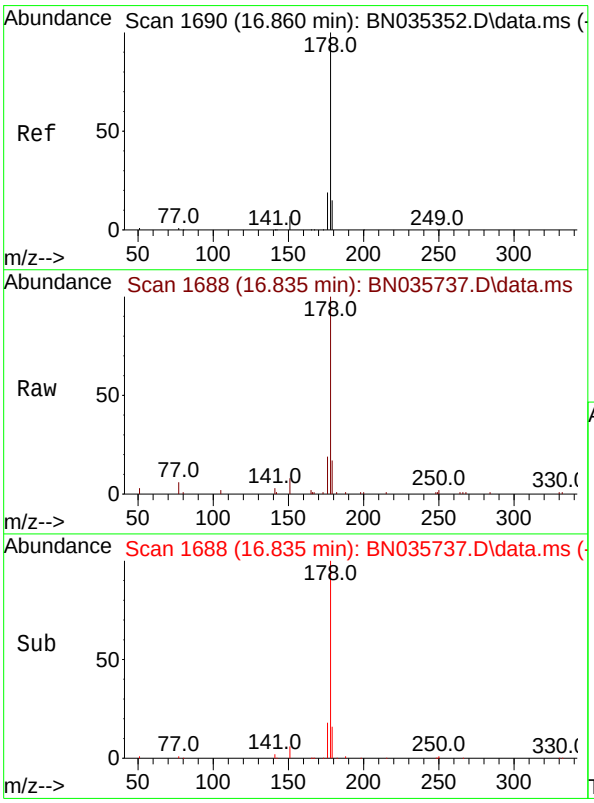
#25
Phenanthrene
Concen: 0.382 ng
RT: 16.736 min Scan# 1
Delta R.T. -0.013 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210MS

Tgt Ion:178 Resp: 11800

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.9	12.3	18.5

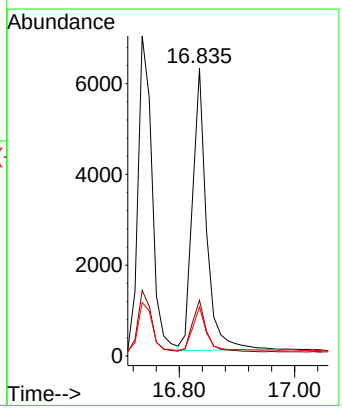


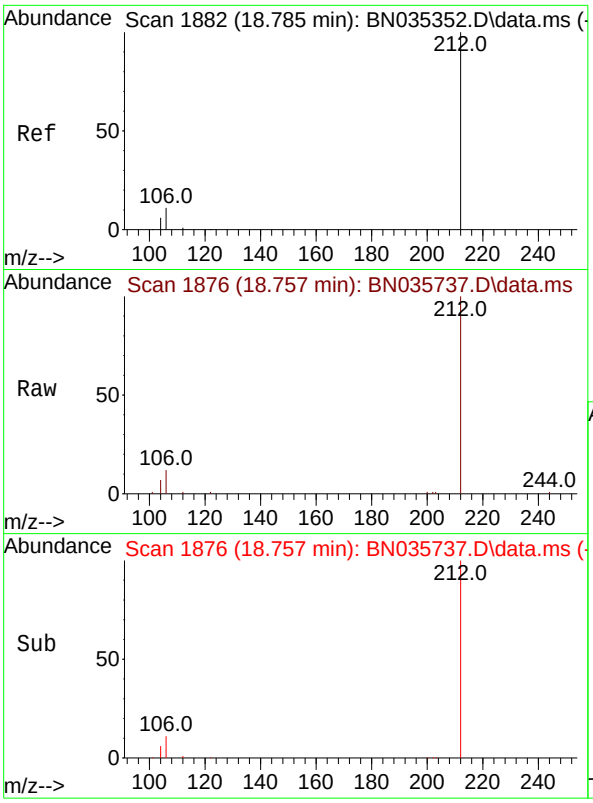


#26
Anthracene
Concen: 0.376 ng
RT: 16.835 min Scan# 1688
Delta R.T. -0.000 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Tgt Ion:178 Resp: 10506

Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.0	22.6
179	15.3	12.6	18.8



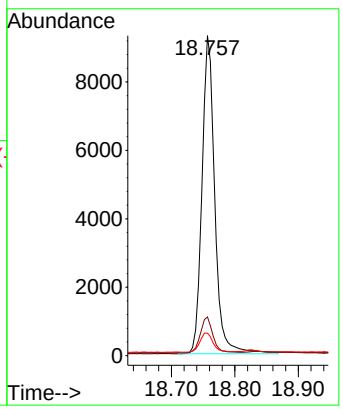


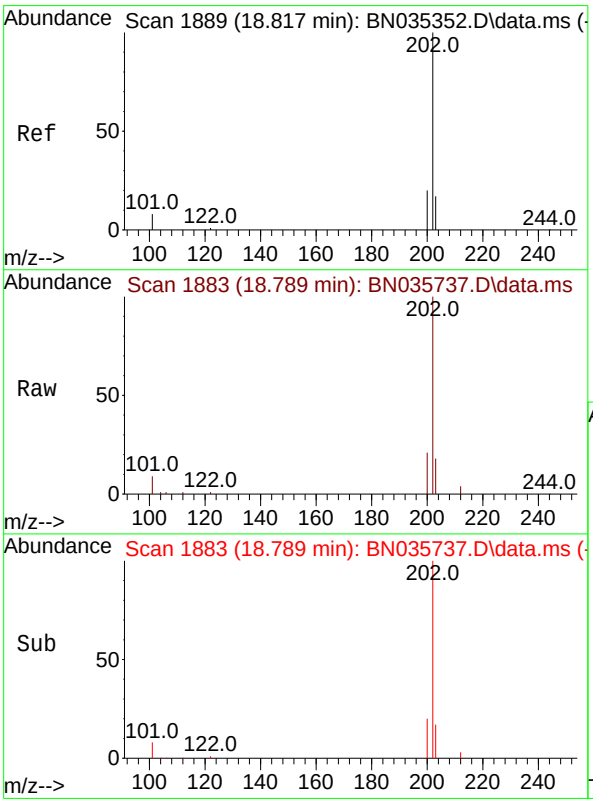
#27
Fluoranthene-d10
Concen: 0.410 ng
RT: 18.757 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210MS

Tgt Ion:212 Resp: 13055

Ion	Ratio	Lower	Upper
212	100		
106	11.0	9.2	13.8
104	6.2	5.3	7.9

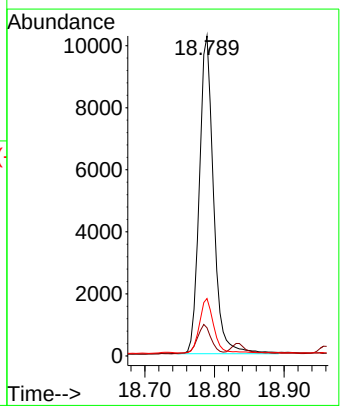


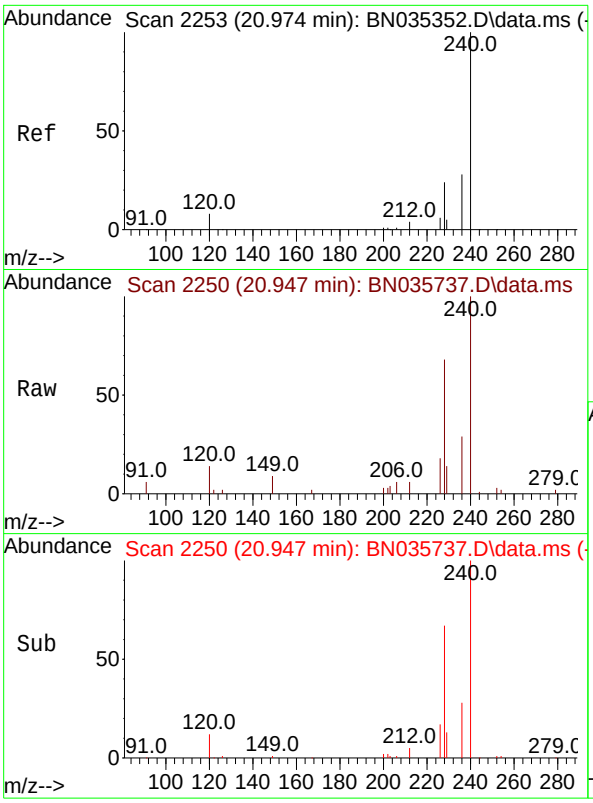


#28
Fluoranthene
Concen: 0.350 ng
RT: 18.789 min Scan# 1883
Delta R.T. -0.000 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Tgt Ion:202 Resp: 14548

Ion	Ratio	Lower	Upper
202	100		
101	9.1	7.4	11.0
203	17.0	13.7	20.5



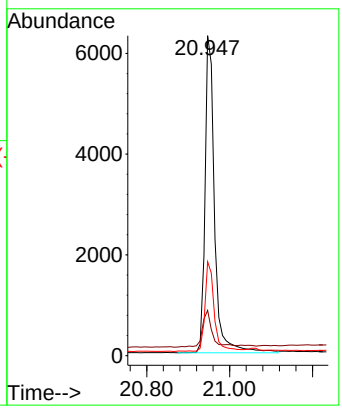


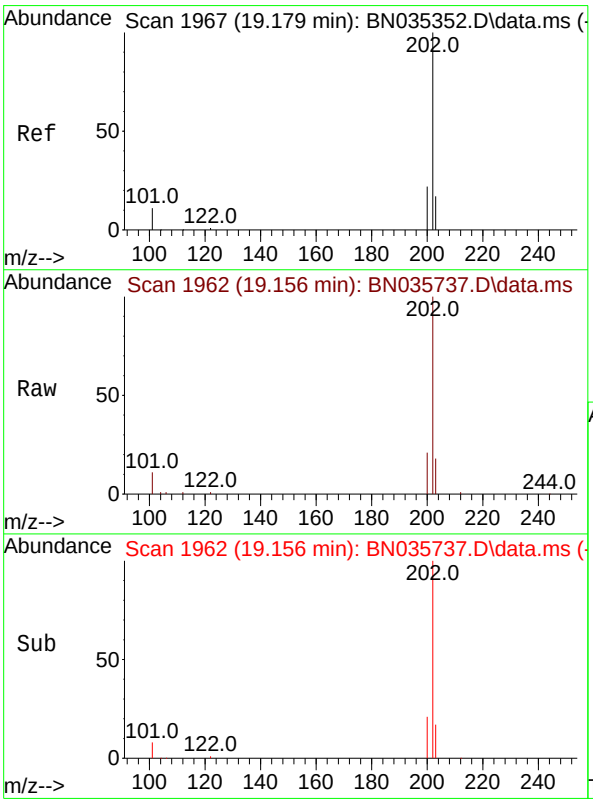
#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.947 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210MS

Tgt Ion:240 Resp: 10070

Ion	Ratio	Lower	Upper
240	100		
120	14.2	7.9	11.9#
236	29.3	22.9	34.3

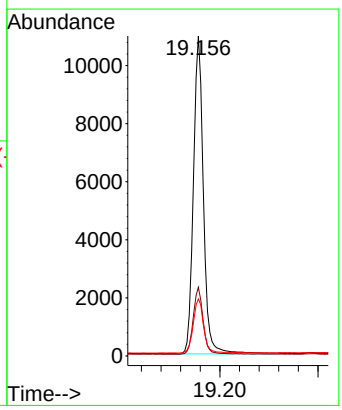


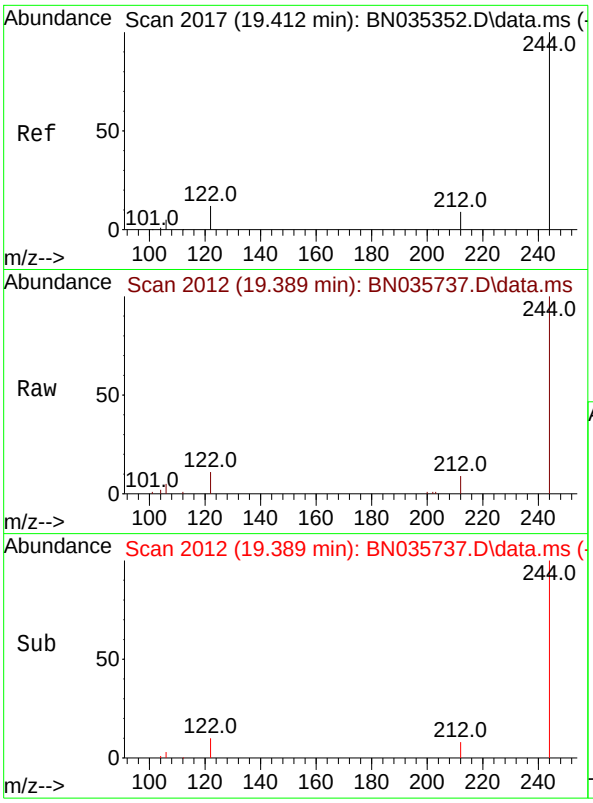


#30
Pyrene
Concen: 0.417 ng
RT: 19.156 min Scan# 1962
Delta R.T. -0.005 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Tgt Ion:202 Resp: 15486

Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.0	25.4
203	17.5	14.3	21.5



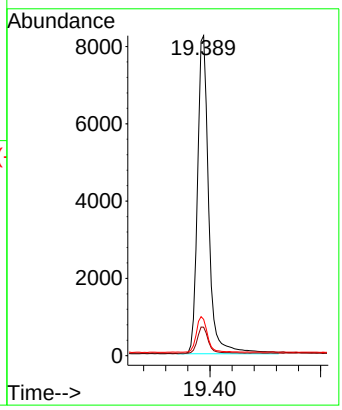


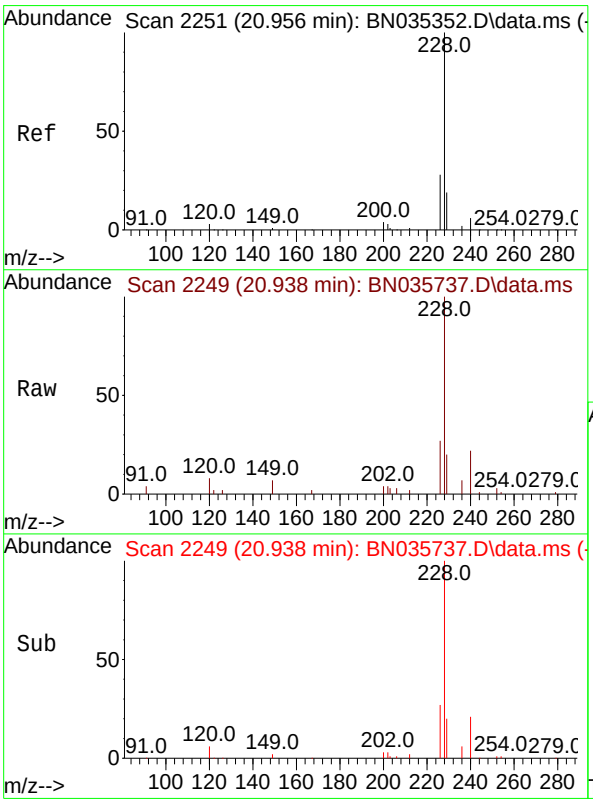
#31
Terphenyl-d14
Concen: 0.585 ng
RT: 19.389 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210MS

Tgt Ion:244 Resp: 11620

Ion	Ratio	Lower	Upper
244	100		
212	8.9	8.1	12.1
122	11.3	10.3	15.5

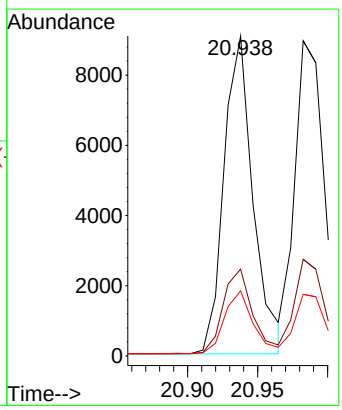


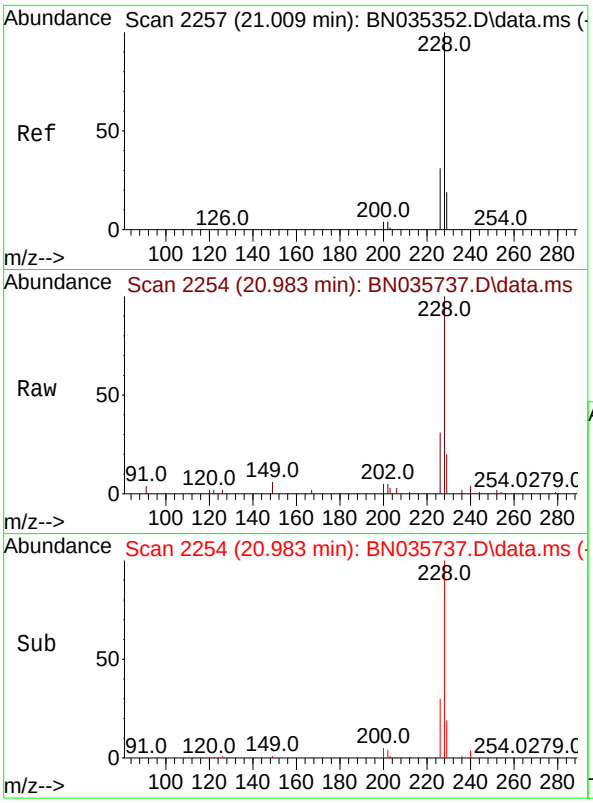


#32
Benzo(a)anthracene
Concen: 0.373 ng
RT: 20.938 min Scan# 2249
Delta R.T. -0.000 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Tgt Ion:228 Resp: 13128

Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.5	33.7
229	20.4	15.8	23.8



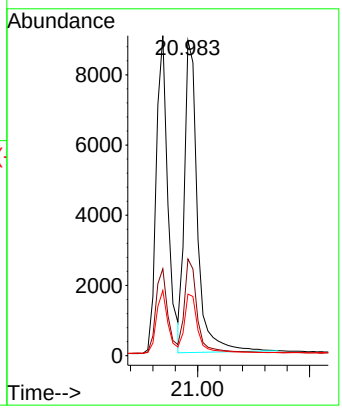


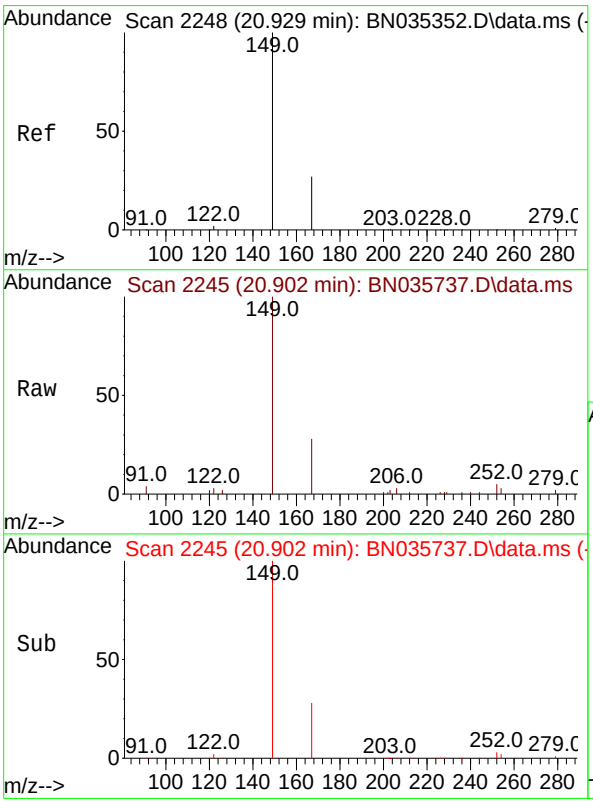
#33
Chrysene
Concen: 0.396 ng
RT: 20.983 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210MS

Tgt Ion:228 Resp: 14397

Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.6	37.0
229	19.6	15.9	23.9

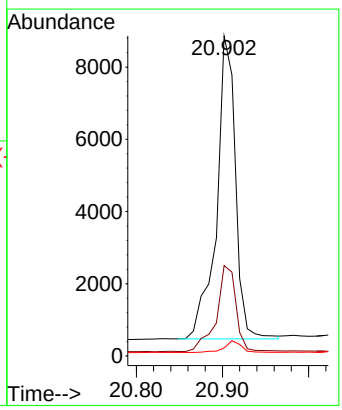


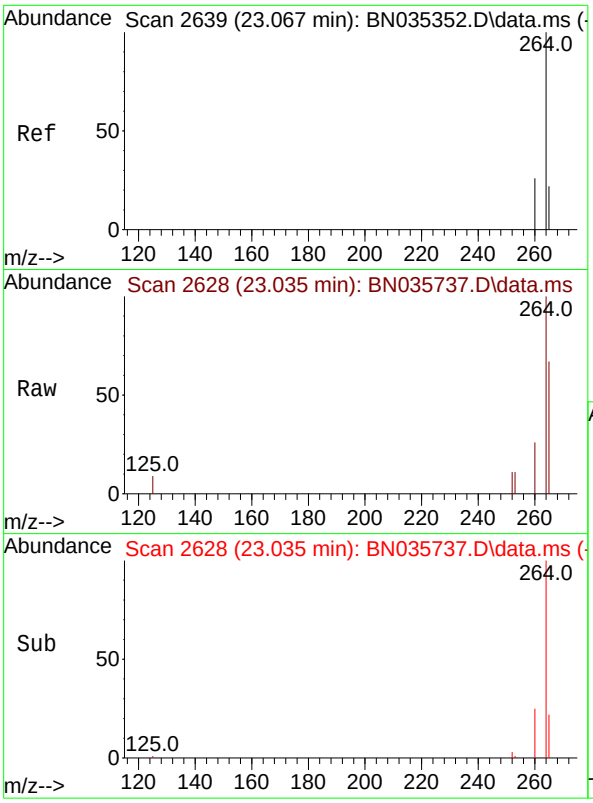


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.918 ng
RT: 20.902 min Scan# 2245
Delta R.T. -0.009 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Tgt Ion:149 Resp: 12764

Ion	Ratio	Lower	Upper
149	100		
167	29.3	22.2	33.4
279	3.4	2.7	4.1



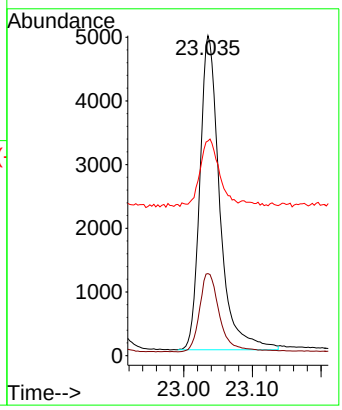


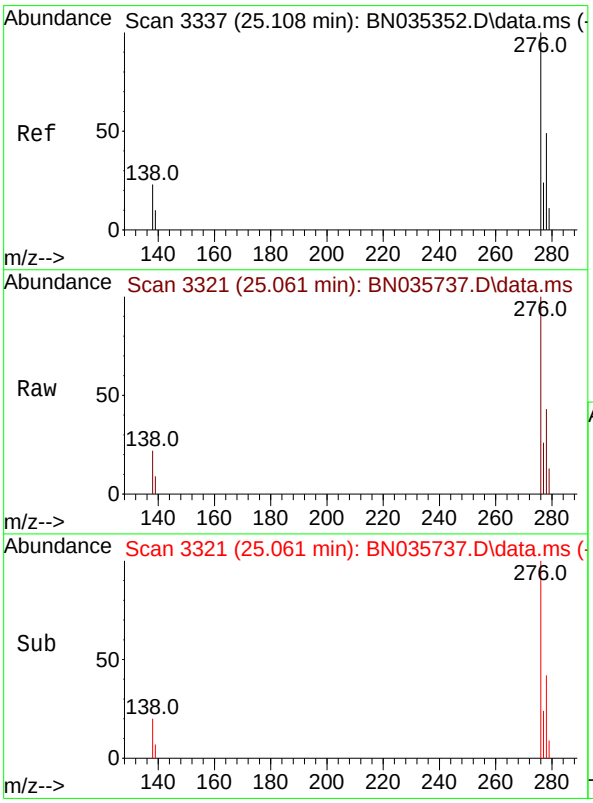
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.035 min Scan# 2
Delta R.T. -0.006 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210MS

Tgt Ion:264 Resp: 9931

Ion	Ratio	Lower	Upper
264	100		
260	25.6	21.4	32.2
265	67.1	40.2	60.4#

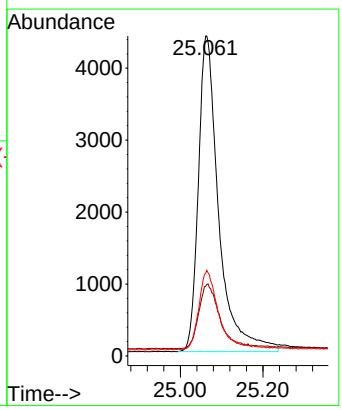


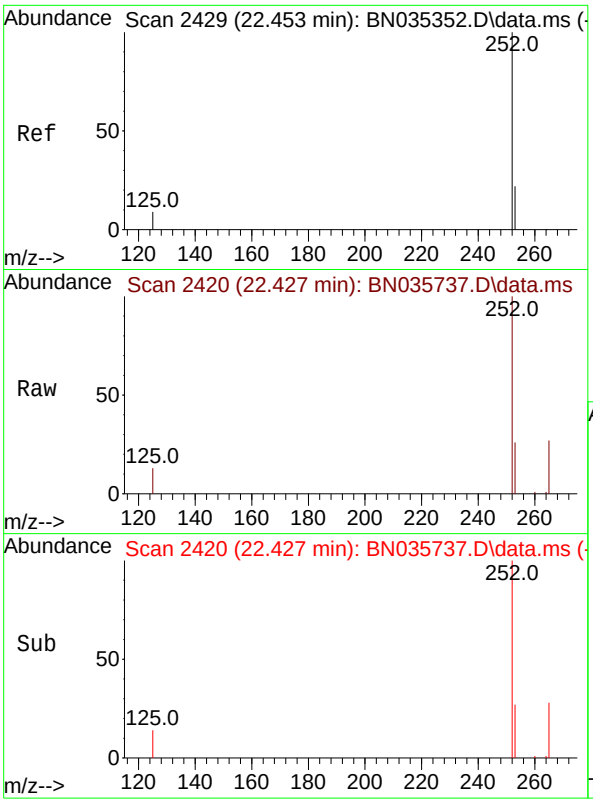


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.387 ng
RT: 25.061 min Scan# 3321
Delta R.T. -0.006 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Tgt Ion:276 Resp: 15032

Ion	Ratio	Lower	Upper
276	100		
138	20.9	19.4	29.0
277	23.9	19.8	29.6



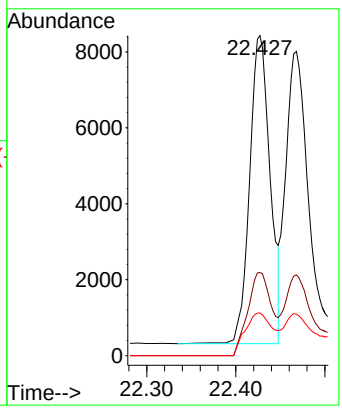


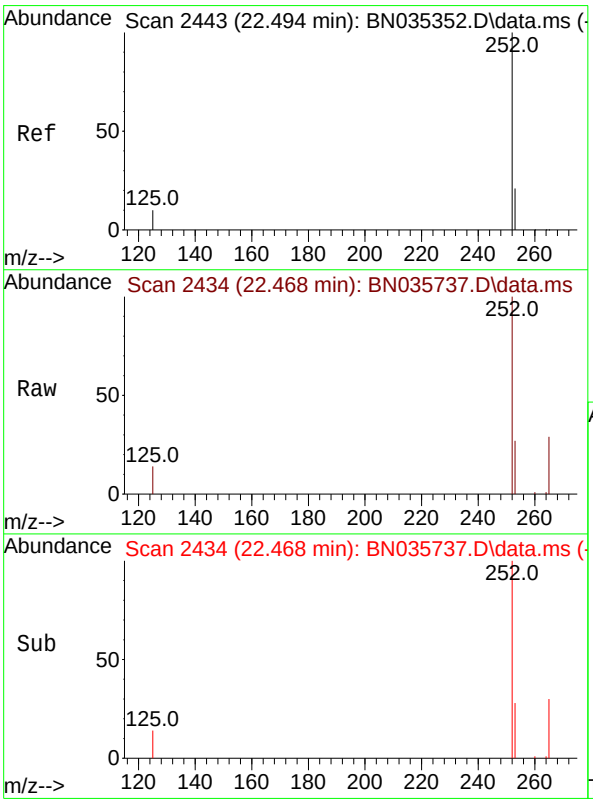
#37
Benzo(b)fluoranthene
Concen: 0.610 ng
RT: 22.427 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210MS

Tgt Ion:252 Resp: 22144

Ion	Ratio	Lower	Upper
252	100		
253	26.0	19.6	29.4
125	13.3	9.6	14.4

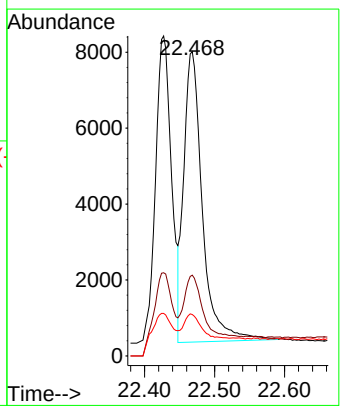


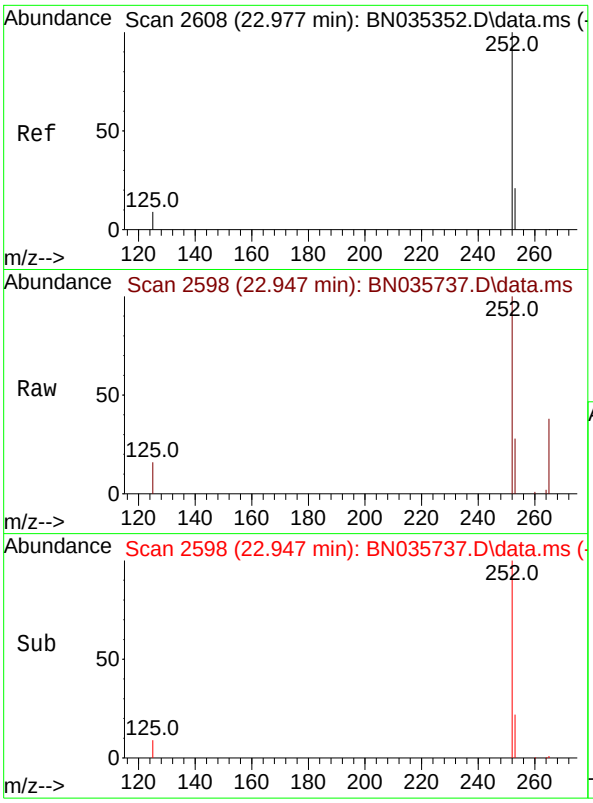


#38
Benzo(k)fluoranthene
Concen: 0.395 ng
RT: 22.468 min Scan# 2434
Delta R.T. -0.003 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Tgt Ion:252 Resp: 14125

Ion	Ratio	Lower	Upper
252	100		
253	26.5	19.5	29.3
125	13.6	10.2	15.4



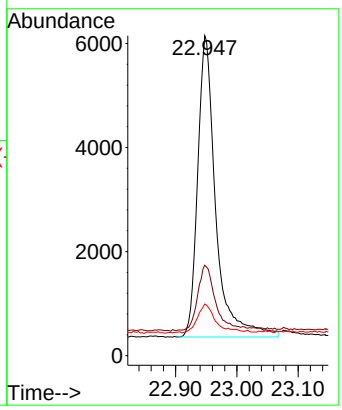


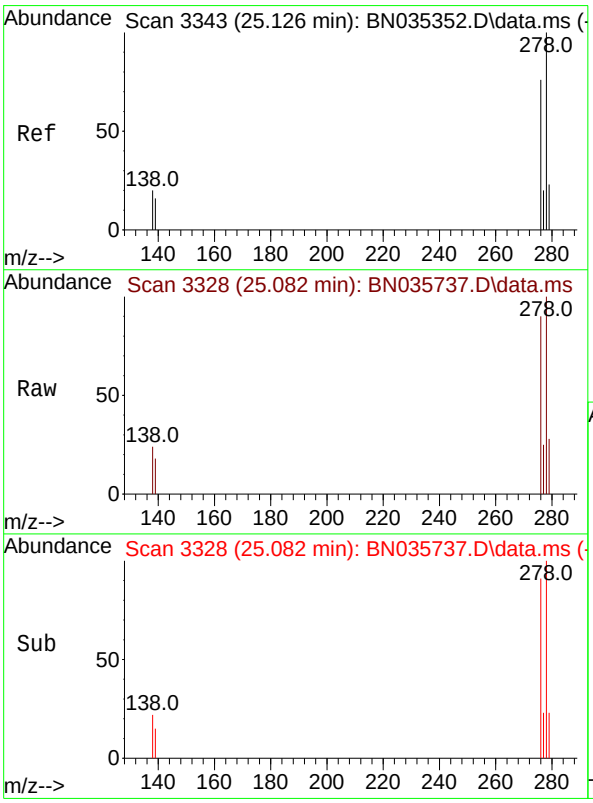
#39
Benzo(a)pyrene
Concen: 0.396 ng
RT: 22.947 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210MS

Tgt Ion:252 Resp: 11859

Ion	Ratio	Lower	Upper
252	100		
253	28.2	20.2	30.4
125	16.1	10.9	16.3

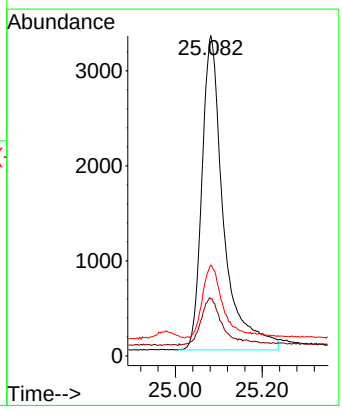


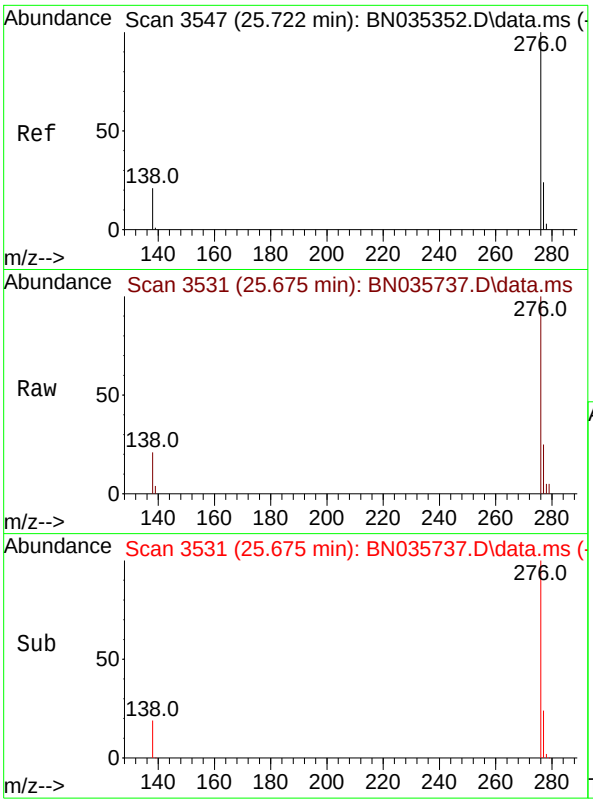


#40
Dibenzo(a,h)anthracene
Concen: 0.373 ng
RT: 25.082 min Scan# 3328
Delta R.T. -0.000 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Tgt Ion:278 Resp: 11425

Ion	Ratio	Lower	Upper
278	100		
139	17.8	14.2	21.4
279	28.4	20.5	30.7



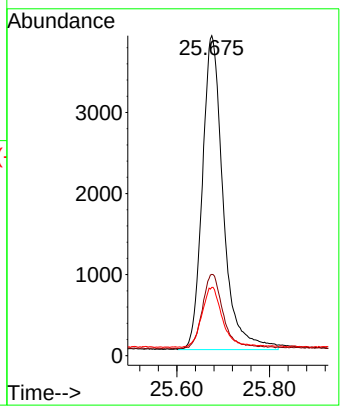


#41
Benzo(g,h,i)perylene
Concen: 0.377 ng
RT: 25.675 min Scan# 3
Delta R.T. -0.003 min
Lab File: BN035737.D
Acq: 20 Dec 2024 12:17

Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210MS

Tgt Ion:276 Resp: 12077

Ion	Ratio	Lower	Upper
276	100		
277	25.4	19.9	29.9
138	21.4	17.8	26.8



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035738.D
Acq On : 20 Dec 2024 12:53
Operator : RC/JU
Sample : P5261-14MSD
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210MSD

Quant Time: Dec 24 08:12:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.272	152	3265	0.400	ng		0.00
7) Naphthalene-d8	10.009	136	9048	0.400	ng		-0.01
13) Acenaphthene-d10	13.925	164	5785	0.400	ng		-0.01
19) Phenanthrene-d10	16.698	188	11929	0.400	ng		# 0.00
29) Chrysene-d12	20.947	240	10838	0.400	ng		# 0.00
35) Perylene-d12	23.038	264	10844	0.400	ng		# 0.00
System Monitoring Compounds							
4) 2-Fluorophenol	4.939	112	965	0.118	ng		0.00
5) Phenol-d6	6.484	99	622	0.063	ng		0.00
8) Nitrobenzene-d5	8.408	82	2545	0.461	ng		0.00
11) 2-Methylnaphthalene-d10	11.616	152	5529	0.390	ng		0.00
14) 2,4,6-Tribromophenol	15.453	330	891	0.217	ng		0.00
15) 2-Fluorobiphenyl	12.534	172	7466	0.341	ng		-0.01
27) Fluoranthene-d10	18.757	212	14112	0.417	ng		0.00
31) Terphenyl-d14	19.389	244	12561	0.588	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.982	88	16269	5.212	ng		98
3) n-Nitrosodimethylamine	3.278	42	392	0.151	ng	#	94
6) bis(2-Chloroethyl)ether	6.723	93	2782	0.337	ng		98
9) Naphthalene	10.063	128	7939	0.333	ng		100
10) Hexachlorobutadiene	10.351	225	1767	0.321	ng	#	99
12) 2-Methylnaphthalene	11.692	142	5459	0.320	ng		99
16) Acenaphthylene	13.636	152	8595	0.354	ng		99
17) Acenaphthene	13.989	154	5666	0.351	ng		97
18) Fluorene	14.994	166	7419	0.321	ng		100
20) 4,6-Dinitro-2-methylph...	15.111	198	201	0.171	ng	#	1
21) 4-Bromophenyl-phenylether	15.904	248	2391	0.343	ng	#	82
22) Hexachlorobenzene	16.003	284	3241	0.396	ng		96
23) Atrazine	16.202	200	2057	0.414	ng		96
24) Pentachlorophenol	16.363	266	2674	0.750	ng	#	86
25) Phenanthrene	16.736	178	12435	0.380	ng		99
26) Anthracene	16.835	178	11234	0.379	ng		99
28) Fluoranthene	18.789	202	15609	0.353	ng		100
30) Pyrene	19.156	202	16643	0.416	ng		99
32) Benzo(a)anthracene	20.938	228	14262	0.376	ng		99
33) Chrysene	20.983	228	15526	0.397	ng		99
34) Bis(2-ethylhexyl)phtha...	20.902	149	13398	0.895	ng		98
36) Indeno(1,2,3-cd)pyrene	25.064	276	16365	0.386	ng		97
37) Benzo(b)fluoranthene	22.427	252	26576	0.670	ng		98
38) Benzo(k)fluoranthene	22.468	252	15174	0.389	ng		97
39) Benzo(a)pyrene	22.950	252	13047	0.399	ng		95
40) Dibenzo(a,h)anthracene	25.085	278	12476	0.373	ng		97
41) Benzo(g,h,i)perylene	25.675	276	13349	0.382	ng		98

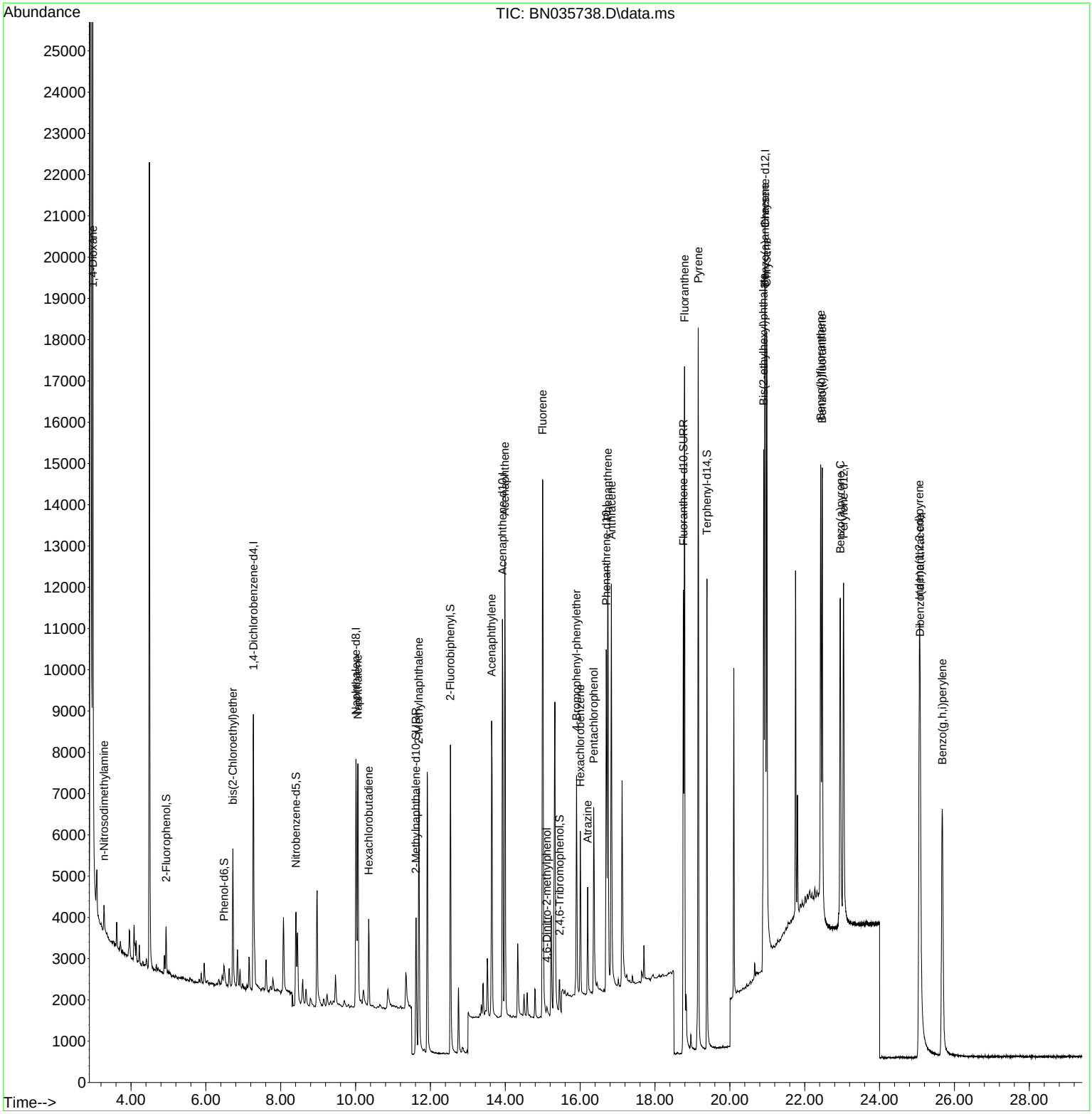
(#) = qualifier out of range (m) = manual integration (+) = signals summed

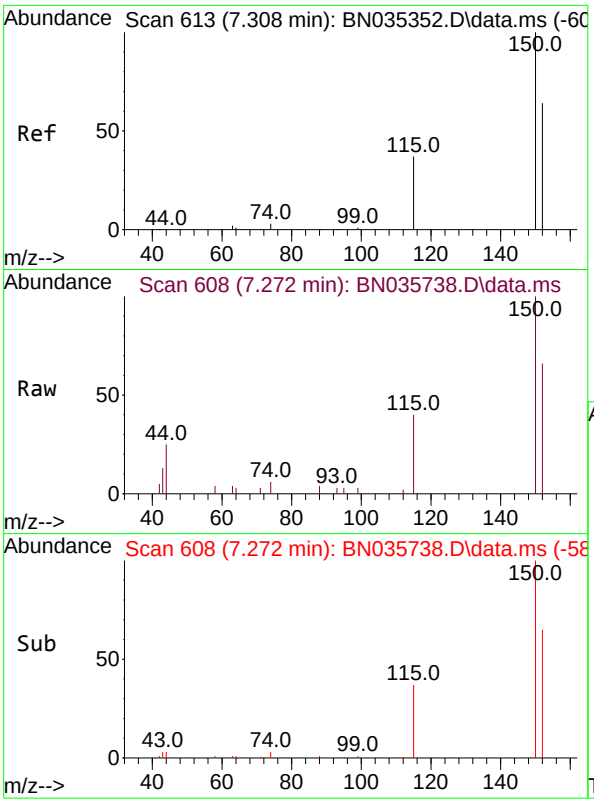
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035738.D
Acq On : 20 Dec 2024 12:53
Operator : RC/JU
Sample : P5261-14MSD
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210MSD

Quant Time: Dec 24 08:12:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration



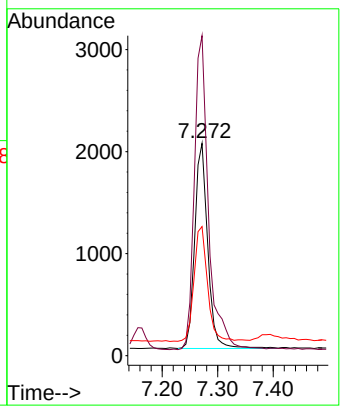


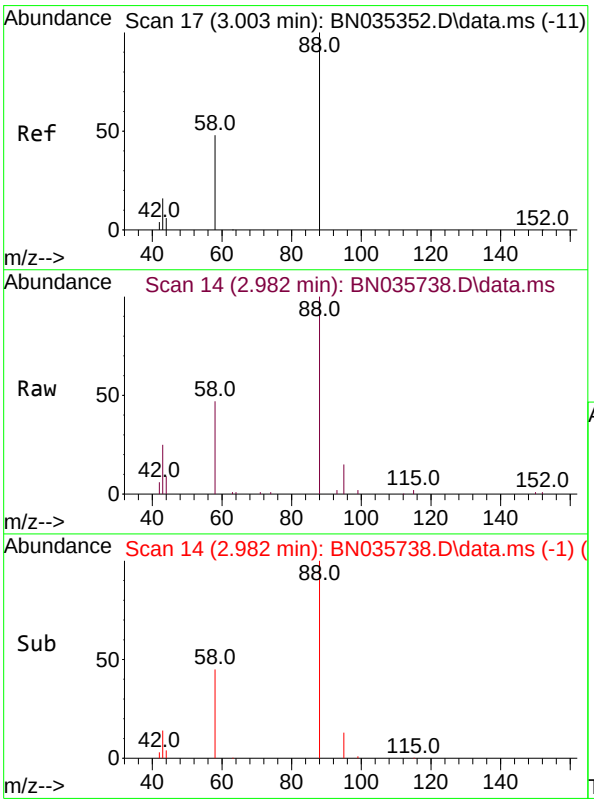
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.272 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210MSD

Tgt Ion:152 Resp: 3265

Ion	Ratio	Lower	Upper
152	100		
150	150.7	124.0	186.0
115	60.8	49.6	74.4

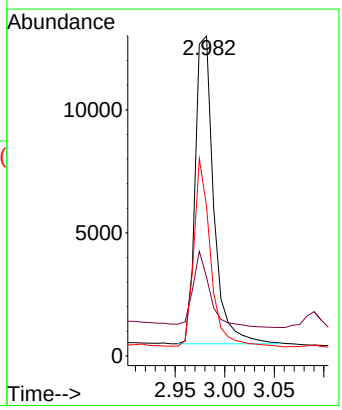


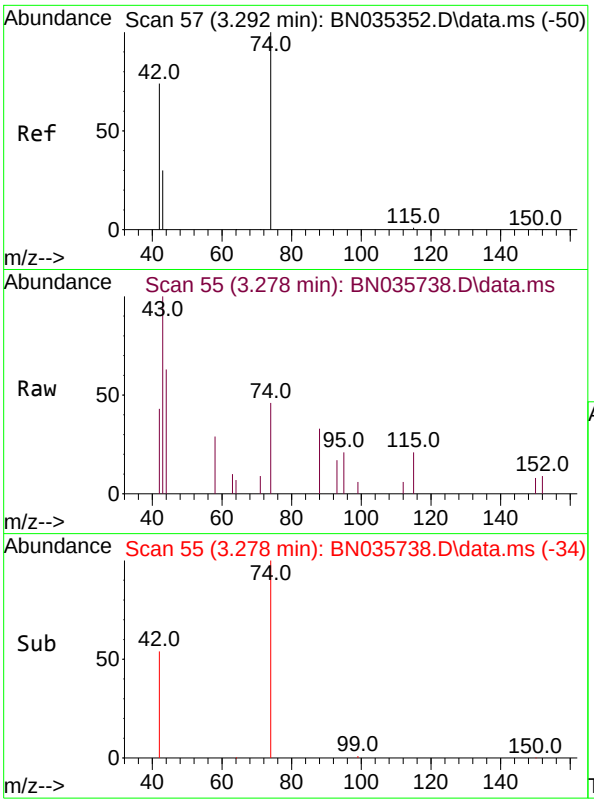


#2
1,4-Dioxane
Concen: 5.212 ng
RT: 2.982 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Tgt Ion: 88 Resp: 16269

Ion	Ratio	Lower	Upper
88	100		
43	22.7	17.2	25.8
58	54.5	44.5	66.7



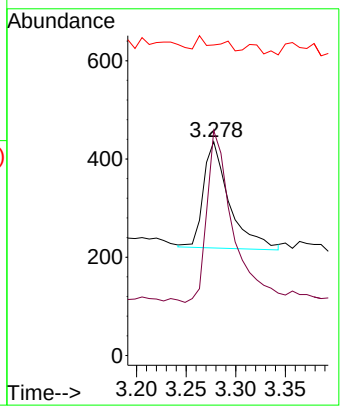


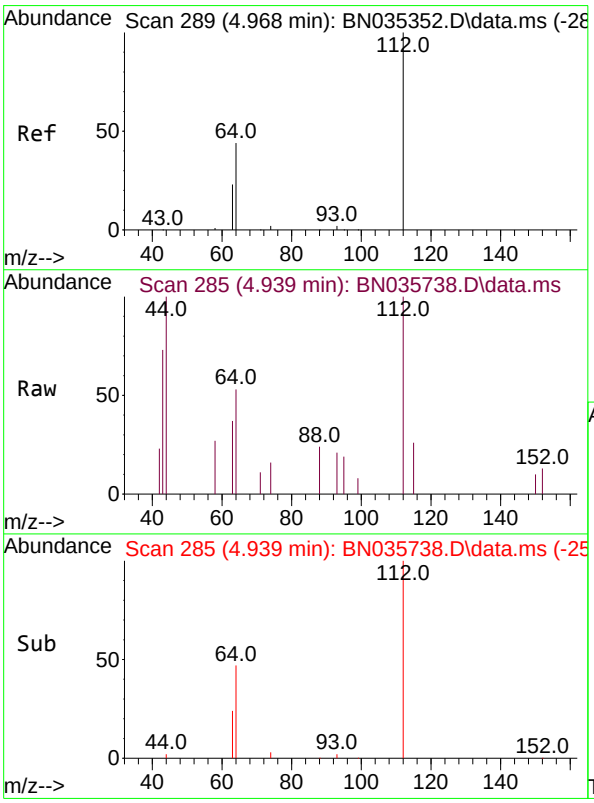
#3
n-Nitrosodimethylamine
Concen: 0.151 ng
RT: 3.278 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210MSD

Tgt Ion: 42 Resp: 392

Ion	Ratio	Lower	Upper
42	100		
74	163.8	124.9	187.3
44	5.1	2.2	3.4#

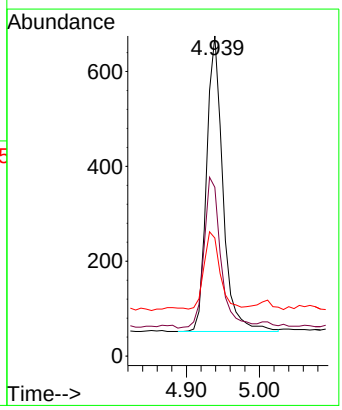


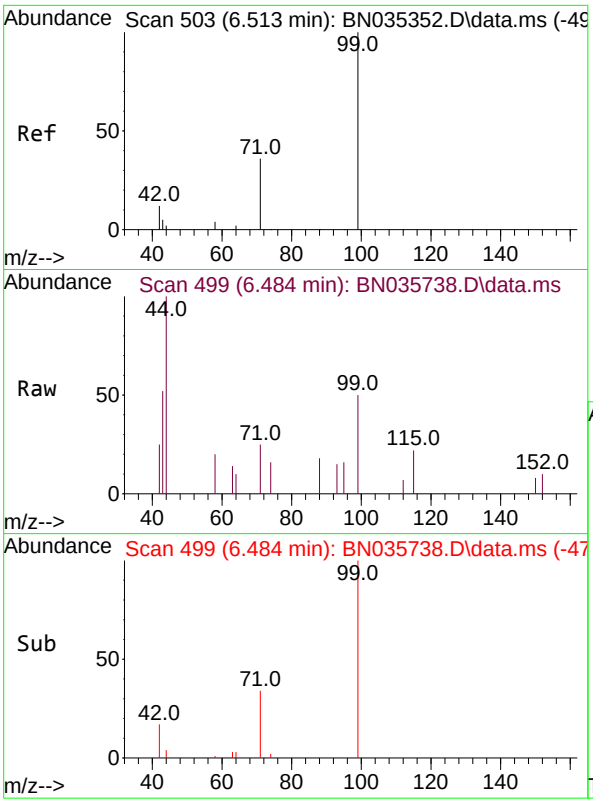


#4
2-Fluorophenol
Concen: 0.118 ng
RT: 4.939 min Scan# 285
Delta R.T. -0.000 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Tgt Ion:112 Resp: 965

Ion	Ratio	Lower	Upper
112	100		
64	52.7	39.8	59.8
63	26.4	21.0	31.6



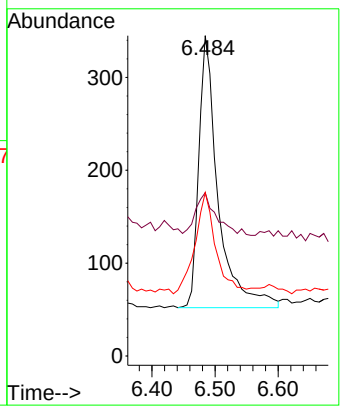


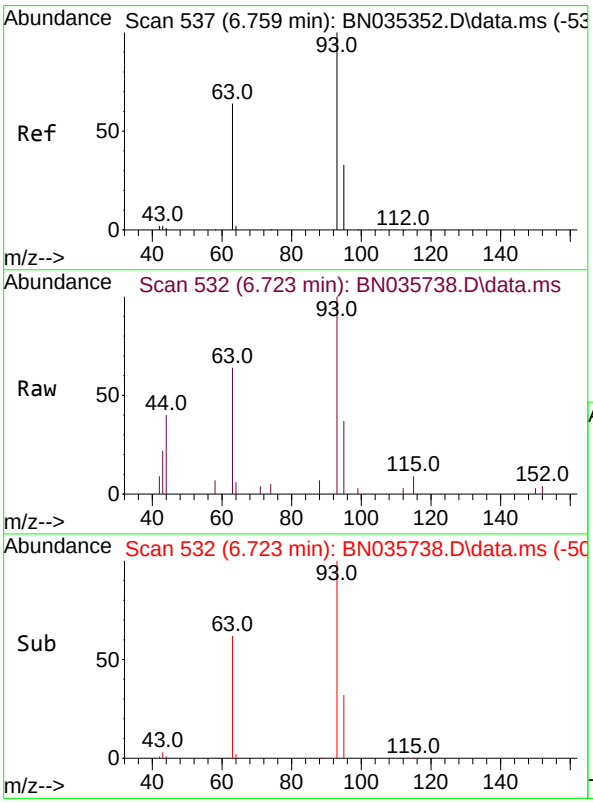
#5
Phenol-d6
Concen: 0.063 ng
RT: 6.484 min Scan# 4
Delta R.T. -0.007 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210MSD

Tgt Ion: 99 Resp: 622

Ion	Ratio	Lower	Upper
99	100		
42	16.7	11.4	17.2
71	40.8	29.3	43.9

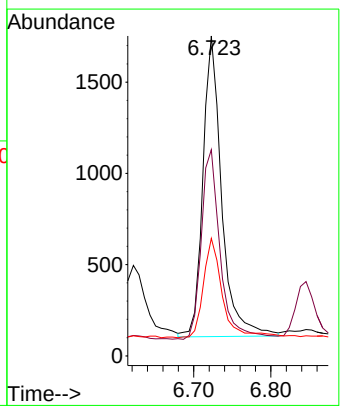


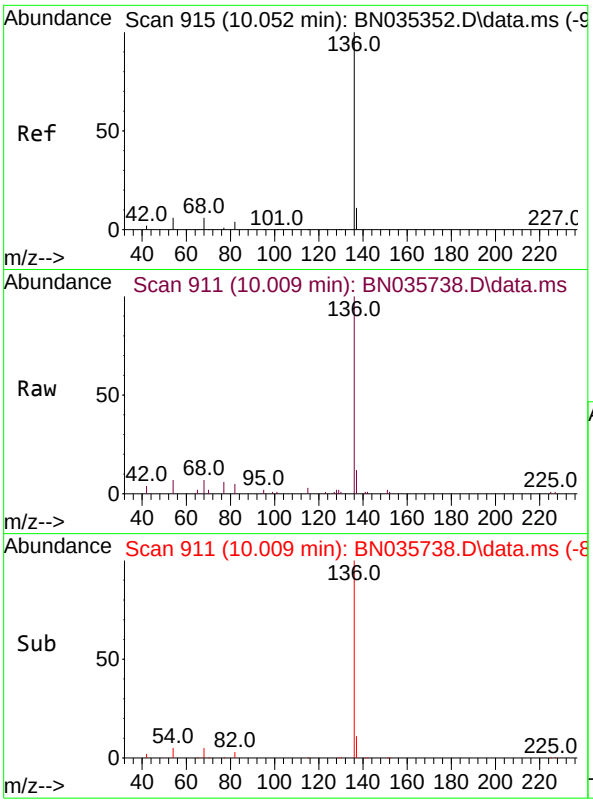


#6
bis(2-Chloroethyl)ether
Concen: 0.337 ng
RT: 6.723 min Scan# 532
Delta R.T. -0.007 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Tgt Ion: 93 Resp: 2782

Ion	Ratio	Lower	Upper
93	100		
63	63.8	50.4	75.6
95	33.9	25.7	38.5



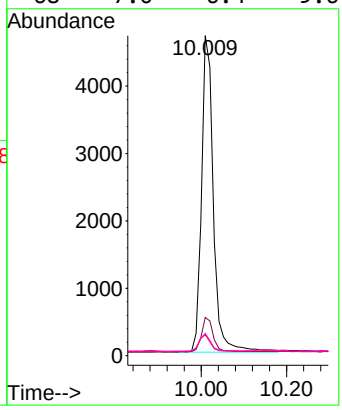


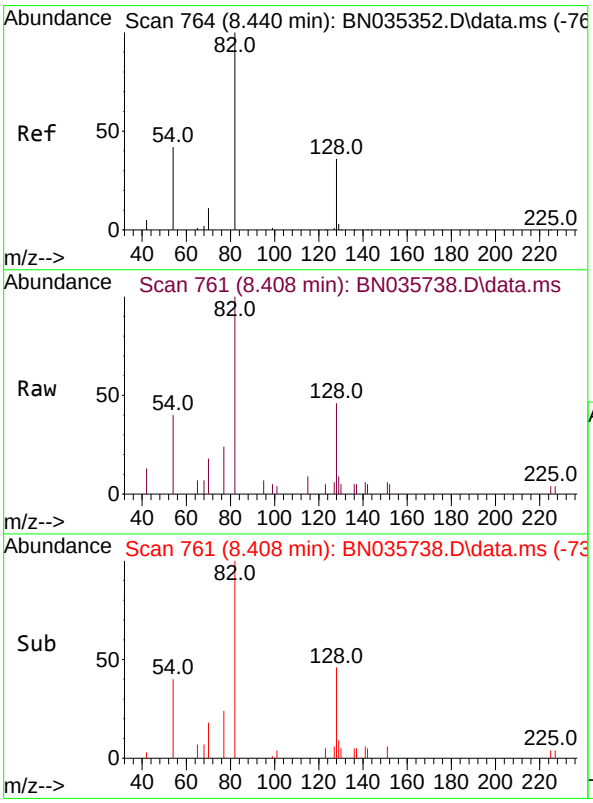
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.009 min Scan# 91
Delta R.T. -0.011 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210MSD

Tgt Ion:136 Resp: 9048

Ion	Ratio	Lower	Upper
136	100		
137	12.0	10.2	15.2
54	6.5	6.1	9.1
68	7.0	6.4	9.6

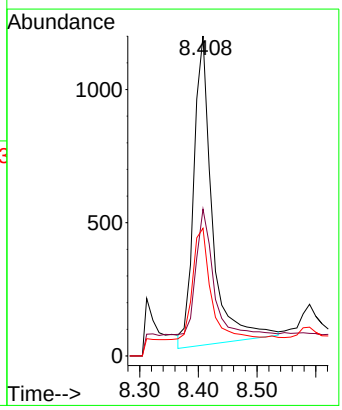


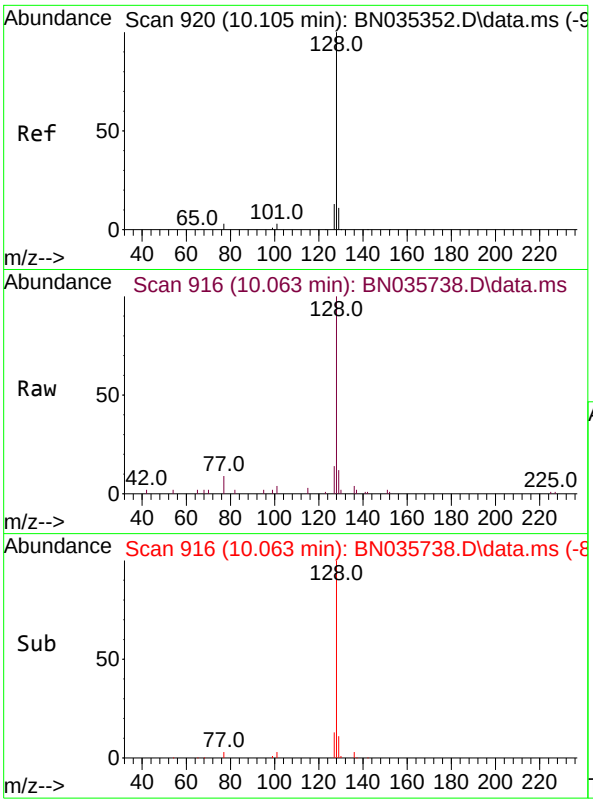


#8
Nitrobenzene-d5
Concen: 0.461 ng
RT: 8.408 min Scan# 761
Delta R.T. -0.000 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Tgt Ion: 82 Resp: 2545

Ion	Ratio	Lower	Upper
82	100		
128	45.9	33.4	50.0
54	39.9	36.7	55.1



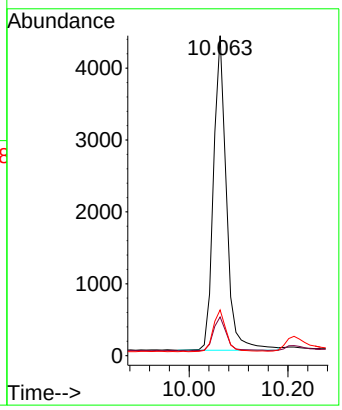


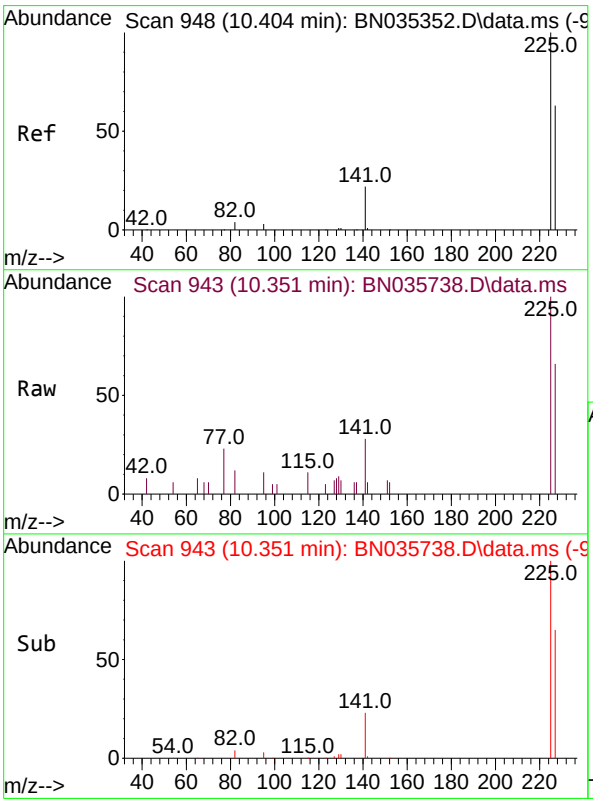
#9
Naphthalene
Concen: 0.333 ng
RT: 10.063 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210MSD

Tgt Ion:128 Resp: 7939

Ion	Ratio	Lower	Upper
128	100		
129	12.1	9.8	14.6
127	14.3	11.4	17.2

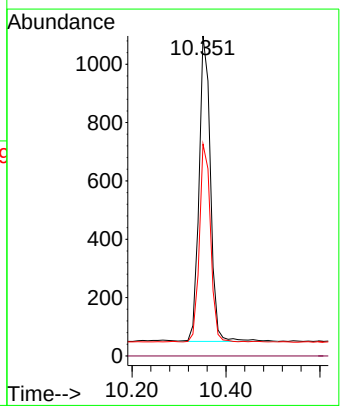


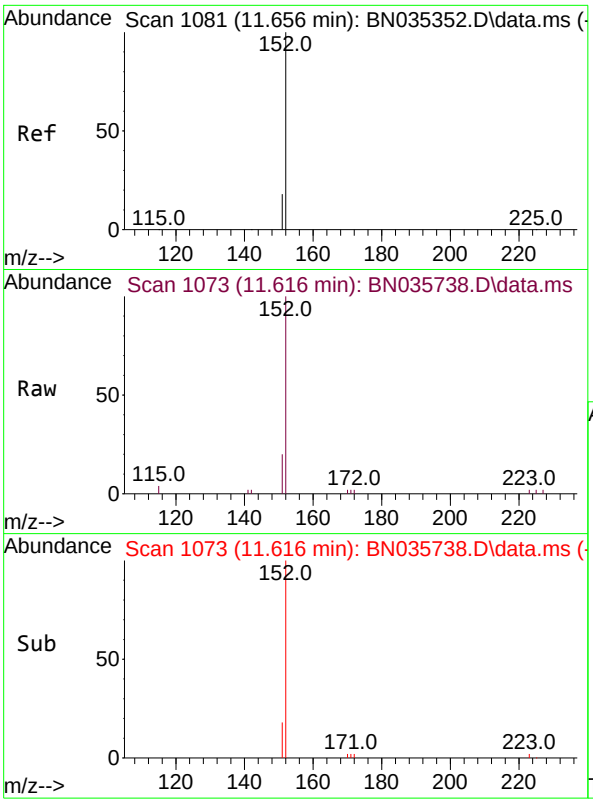


#10
Hexachlorobutadiene
Concen: 0.321 ng
RT: 10.351 min Scan# 943
Delta R.T. -0.011 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Tgt Ion:225 Resp: 1767

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.3	51.3	76.9



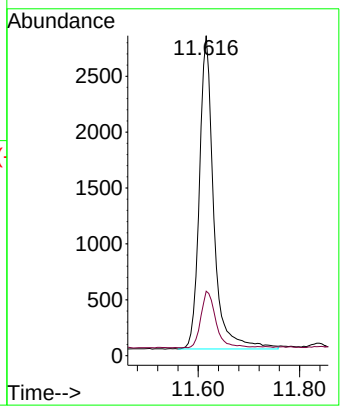


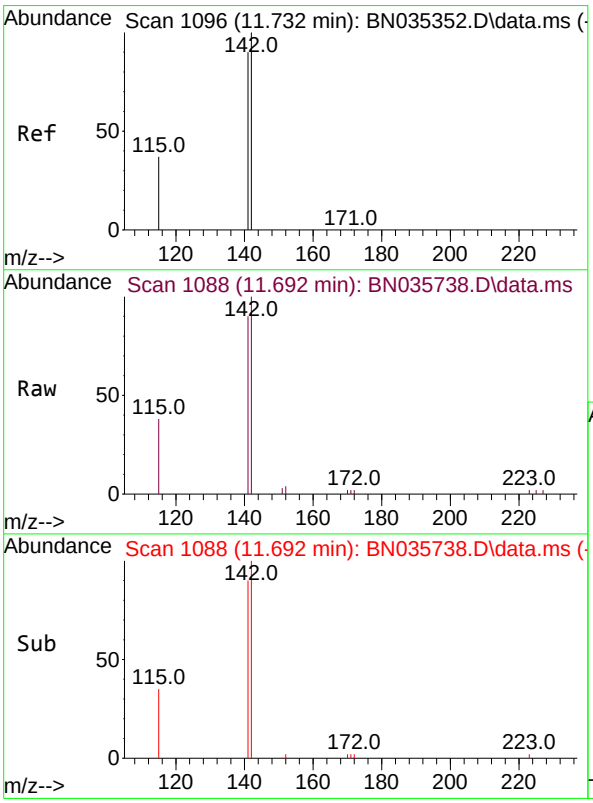
#11
2-Methylnaphthalene-d10
Concen: 0.390 ng
RT: 11.616 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210MSD

Tgt Ion:152 Resp: 5529

Ion	Ratio	Lower	Upper
152	100		
151	18.7	16.6	25.0

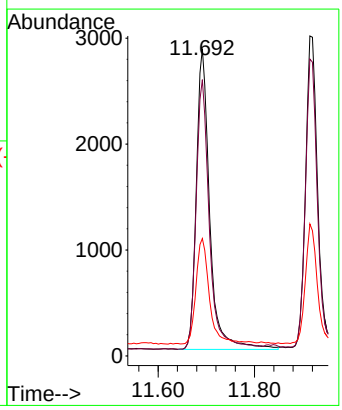


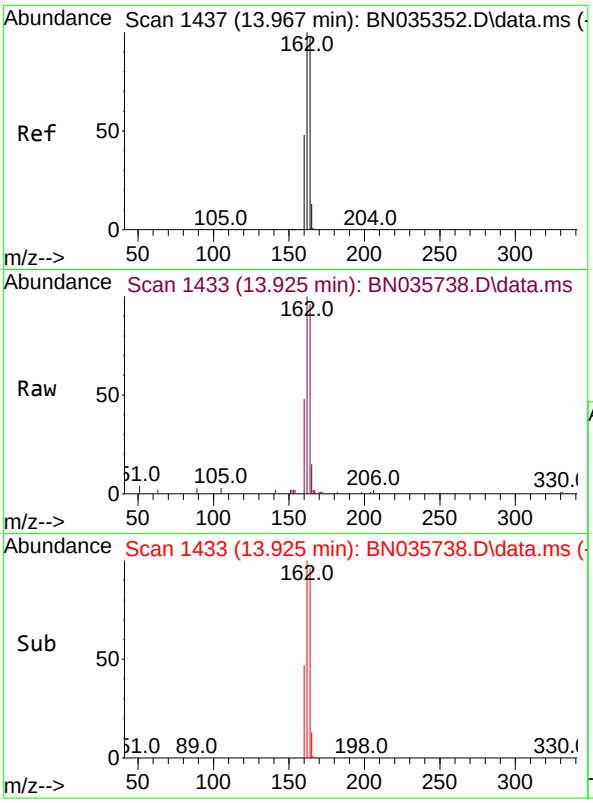


#12
2-Methylnaphthalene
Concen: 0.320 ng
RT: 11.692 min Scan# 1088
Delta R.T. -0.005 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Tgt Ion:142 Resp: 5459

Ion	Ratio	Lower	Upper
142	100		
141	89.9	72.2	108.4
115	38.2	31.4	47.0



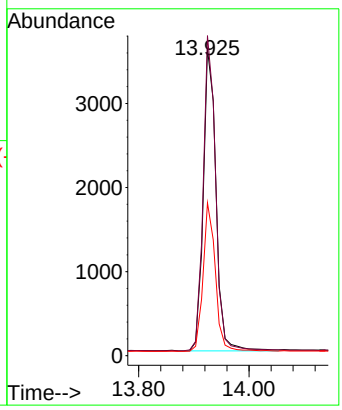


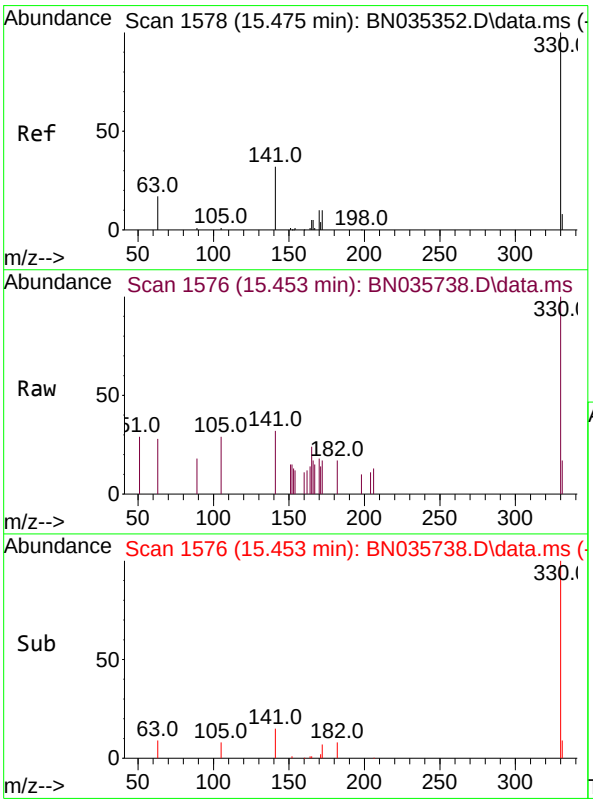
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.925 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210MSD

Tgt Ion:164 Resp: 5785

Ion	Ratio	Lower	Upper
164	100		
162	104.3	82.2	123.2
160	49.8	40.1	60.1

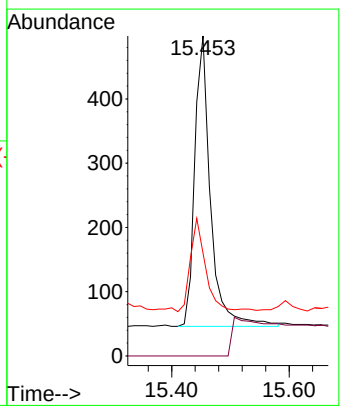


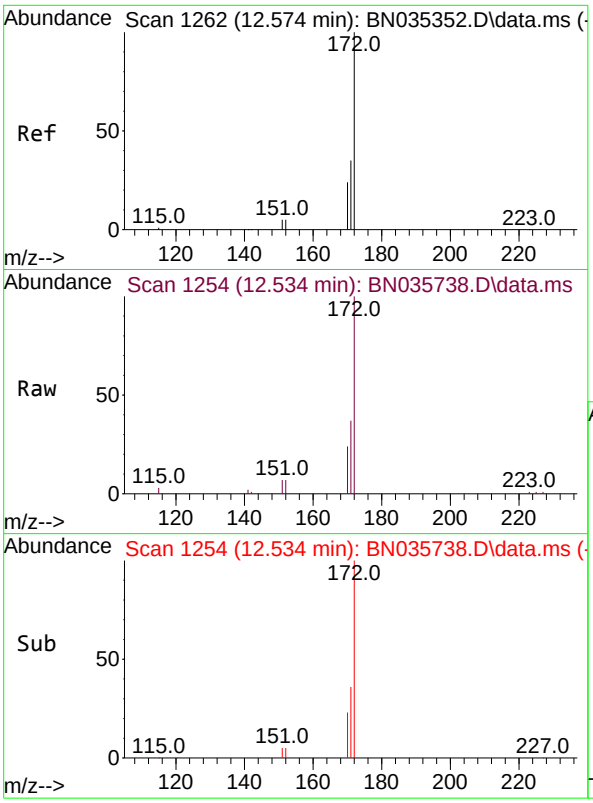


#14
2,4,6-Tribromophenol
Concen: 0.217 ng
RT: 15.453 min Scan# 1576
Delta R.T. -0.000 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Tgt Ion:330 Resp: 891

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	27.0	26.6	40.0



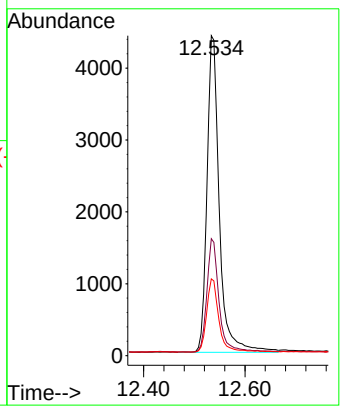


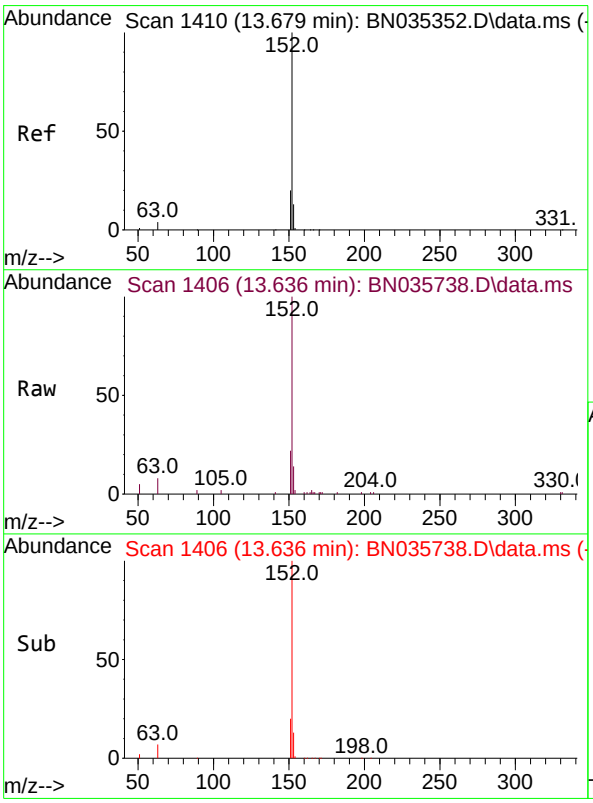
#15
2-Fluorobiphenyl
Concen: 0.341 ng
RT: 12.534 min Scan# 1
Delta R.T. -0.010 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210MSD

Tgt Ion:172 Resp: 7466

Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.0	43.4
170	24.0	19.8	29.8

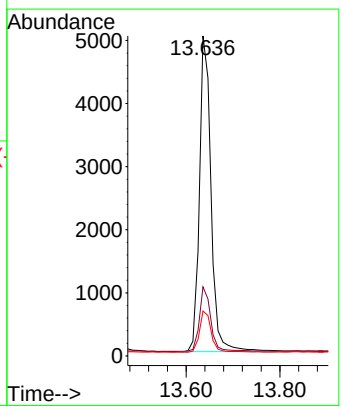


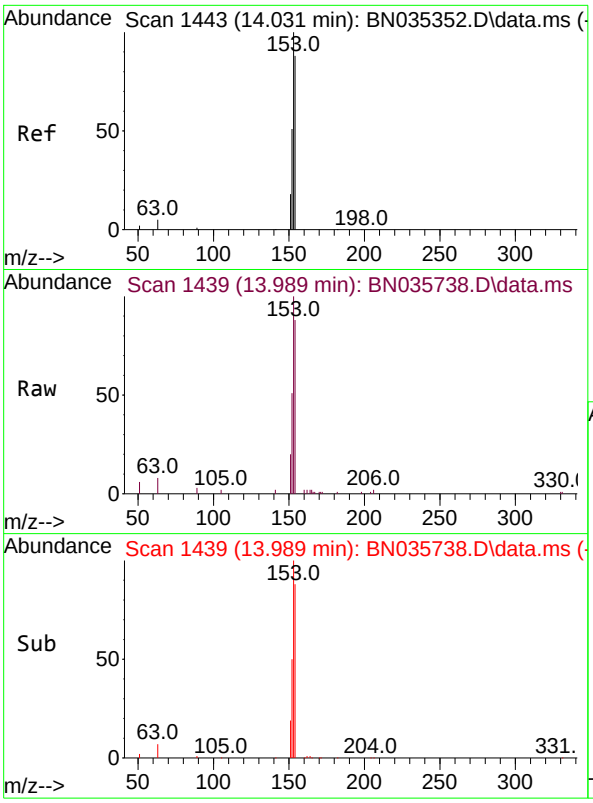


#16
Acenaphthylene
Concen: 0.354 ng
RT: 13.636 min Scan# 1406
Delta R.T. -0.011 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Tgt Ion:152 Resp: 8595

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.2	24.2
153	13.5	10.4	15.6



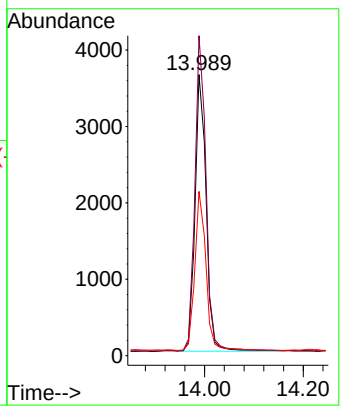


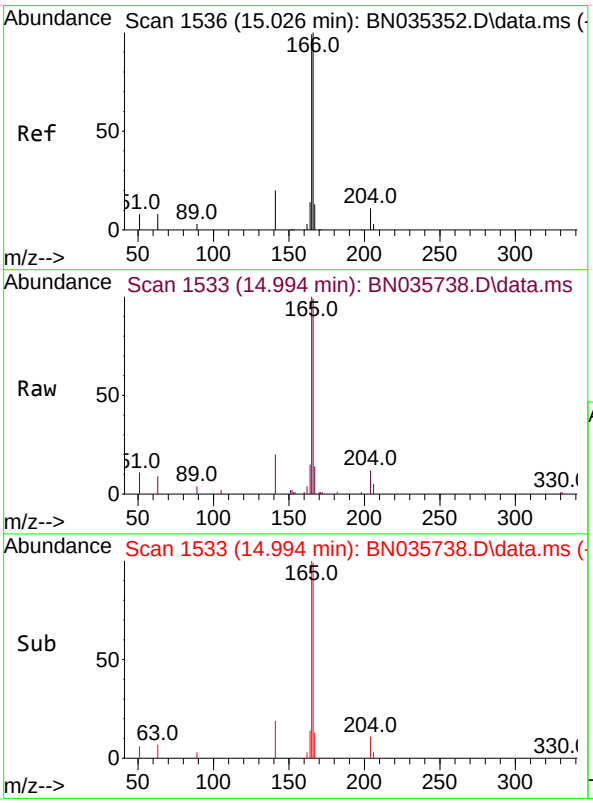
#17
Acenaphthene
Concen: 0.351 ng
RT: 13.989 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210MSD

Tgt Ion:154 Resp: 5666

Ion	Ratio	Lower	Upper
154	100		
153	113.7	92.6	139.0
152	57.3	49.0	73.6

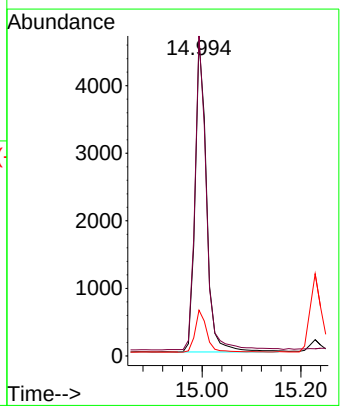


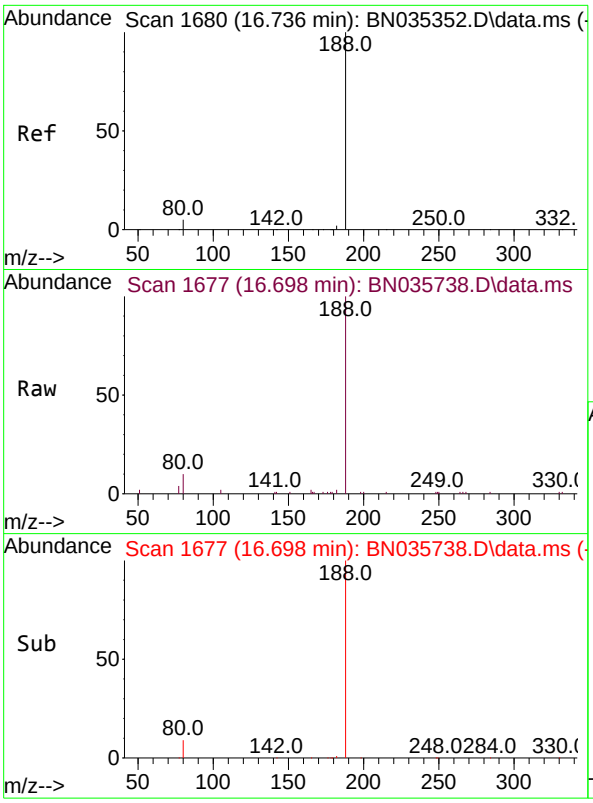


#18
Fluorene
Concen: 0.321 ng
RT: 14.994 min Scan# 1533
Delta R.T. -0.011 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Tgt Ion:166 Resp: 7419

Ion	Ratio	Lower	Upper
166	100		
165	99.4	79.7	119.5
167	13.7	10.8	16.2



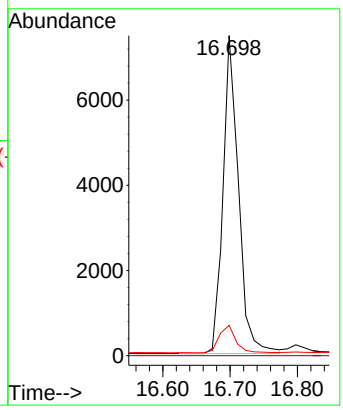


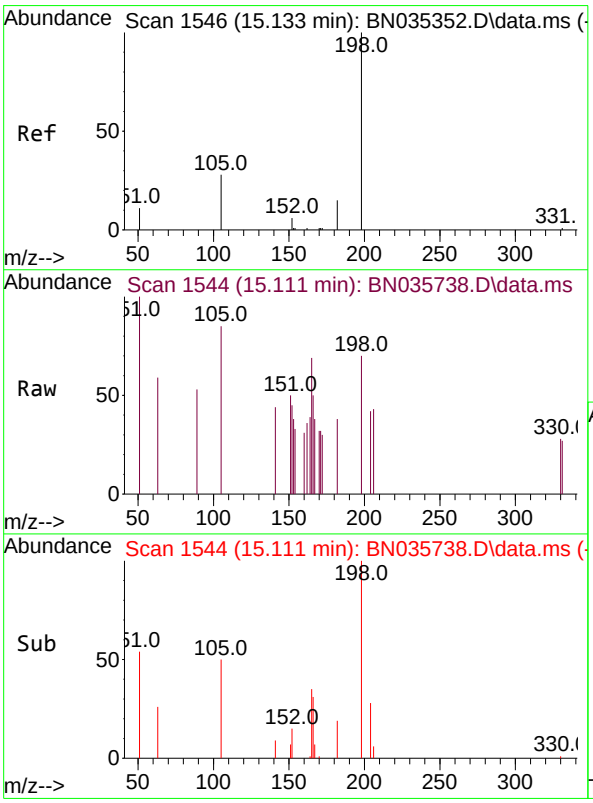
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.698 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210MSD

Tgt Ion:188 Resp: 11929

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.5	4.6	6.8#

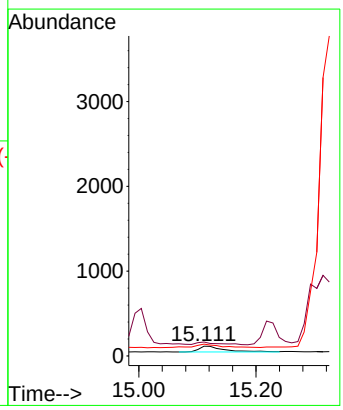


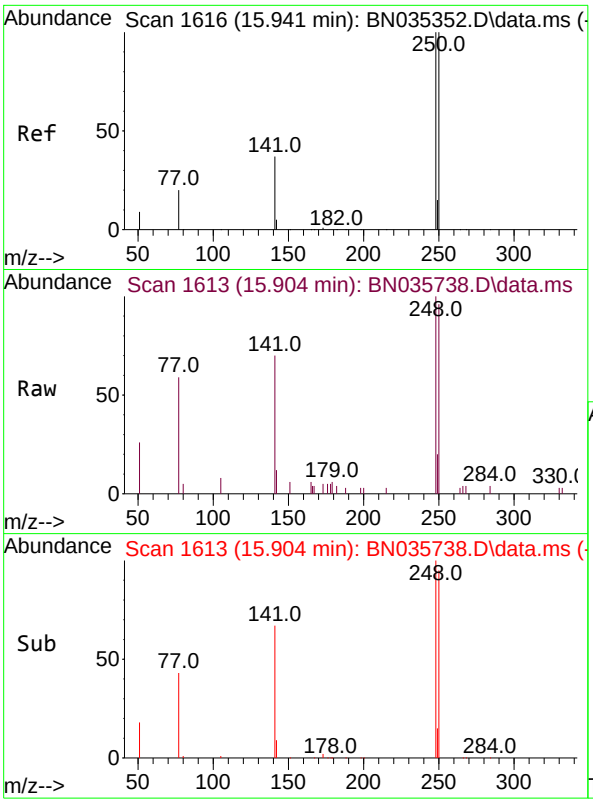


#20
4,6-Dinitro-2-methylphenol
Concen: 0.171 ng
RT: 15.111 min Scan# 1544
Delta R.T. -0.011 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Tgt Ion:198 Resp: 201

Ion	Ratio	Lower	Upper
198	100		
51	142.2	46.5	69.7#
105	120.7	45.3	67.9#



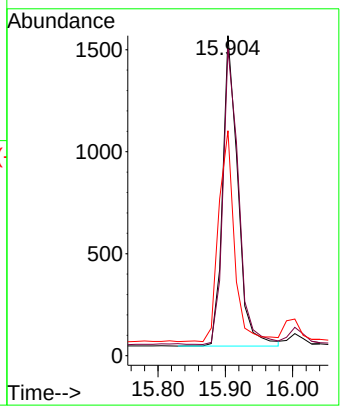


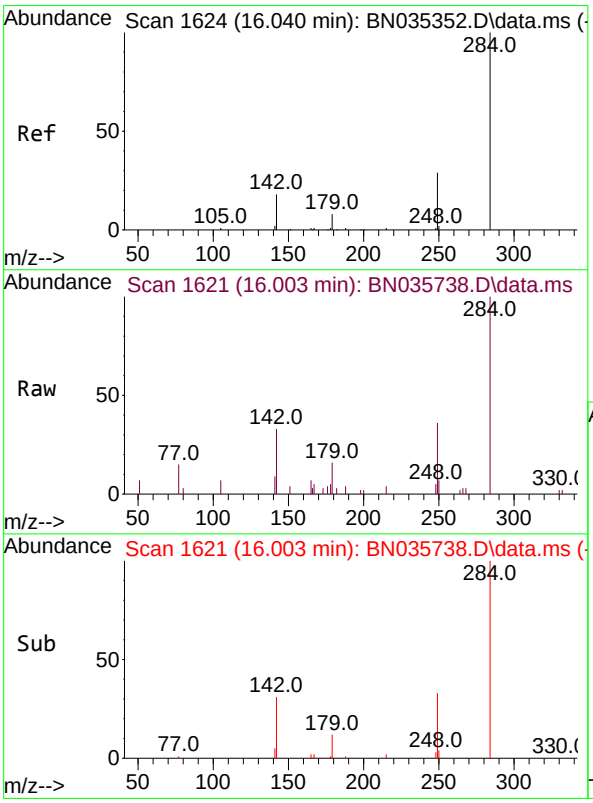
#21
4-Bromophenyl-phenylether
Concen: 0.343 ng
RT: 15.904 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210MSD

Tgt Ion:248 Resp: 2391

Ion	Ratio	Lower	Upper
248	100		
250	95.9	80.6	120.8
141	70.3	31.5	47.3#

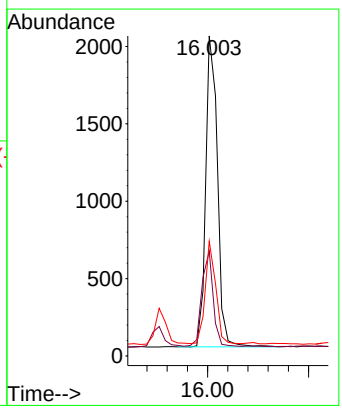


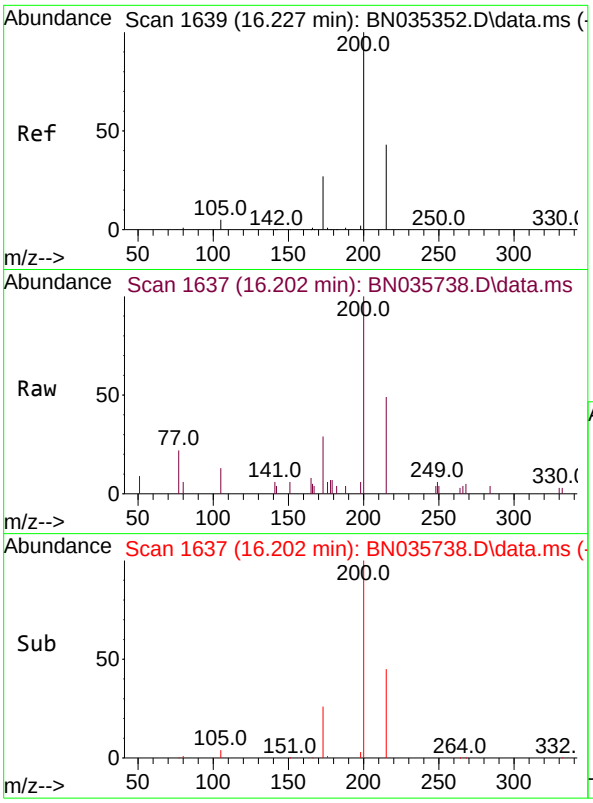


#22
Hexachlorobenzene
Concen: 0.396 ng
RT: 16.003 min Scan# 1621
Delta R.T. -0.012 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Tgt Ion:284 Resp: 3241

Ion	Ratio	Lower	Upper
284	100		
142	29.7	26.7	40.1
249	29.7	24.6	36.8



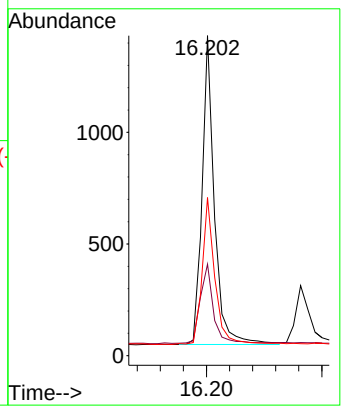


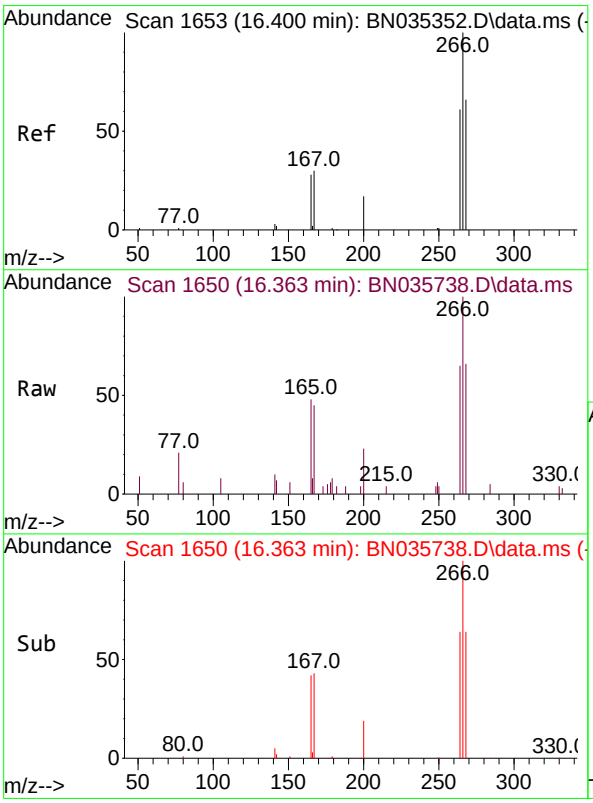
#23
Atrazine
Concen: 0.414 ng
RT: 16.202 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210MSD

Tgt Ion:200 Resp: 2057

Ion	Ratio	Lower	Upper
200	100		
173	28.6	24.1	36.1
215	49.4	36.9	55.3

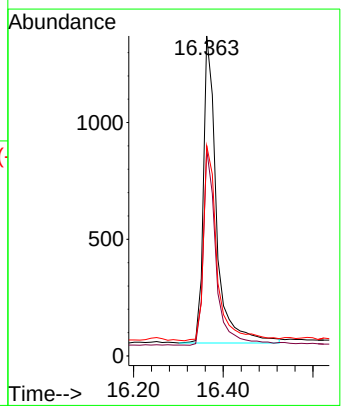


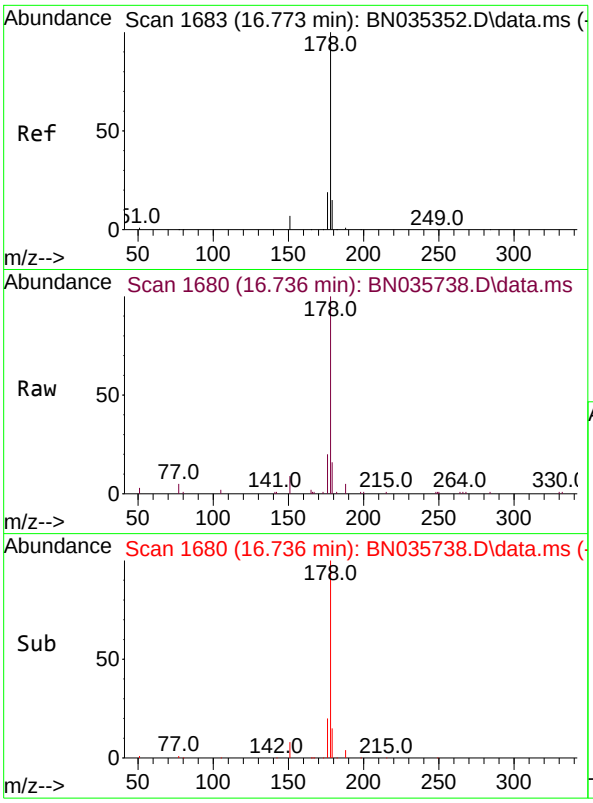


#24
Pentachlorophenol
Concen: 0.750 ng
RT: 16.363 min Scan# 1650
Delta R.T. -0.012 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Tgt Ion:266 Resp: 2674

Ion	Ratio	Lower	Upper
266	100		
264	61.7	42.3	63.5
268	65.8	43.3	64.9#



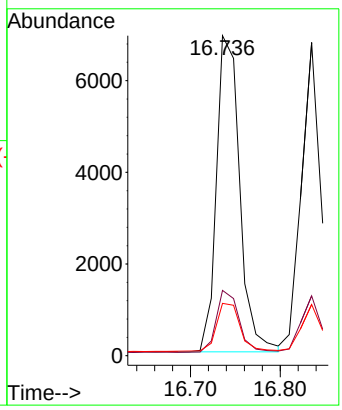


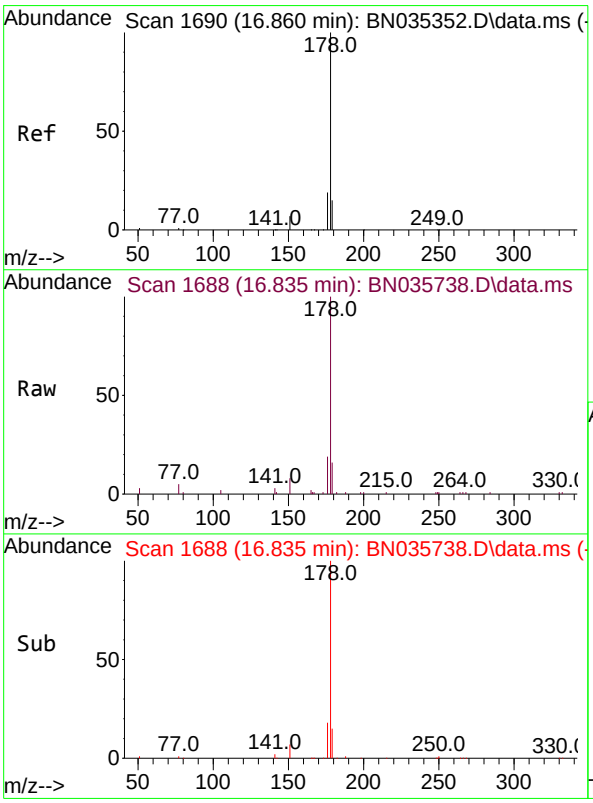
#25
Phenanthrene
Concen: 0.380 ng
RT: 16.736 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210MSD

Tgt Ion:178 Resp: 12435

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	15.8	12.3	18.5

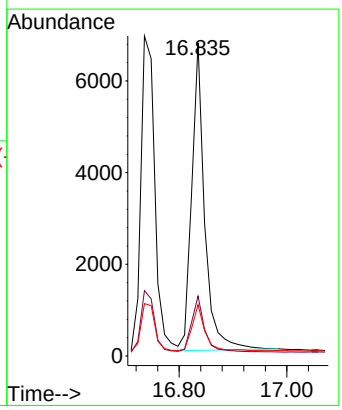


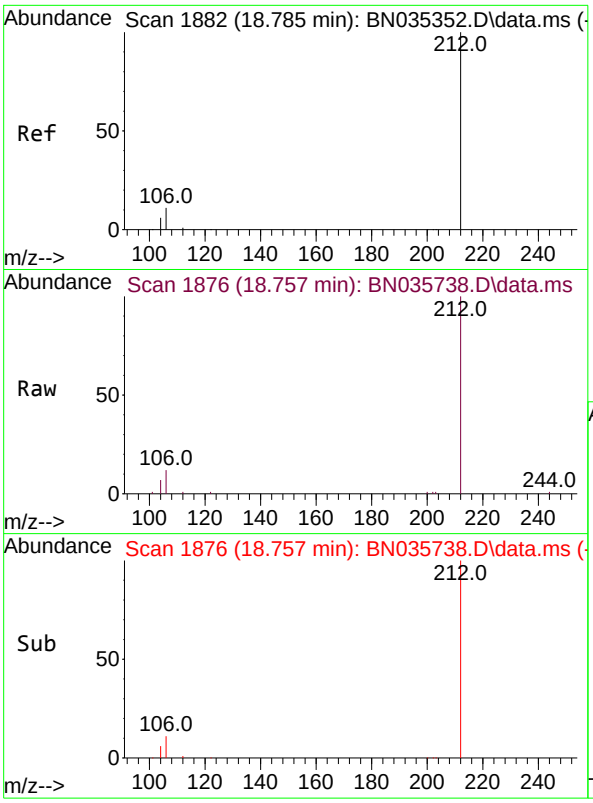


#26
Anthracene
Concen: 0.379 ng
RT: 16.835 min Scan# 1688
Delta R.T. -0.000 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Tgt Ion:178 Resp: 11234

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.0	22.6
179	14.9	12.6	18.8



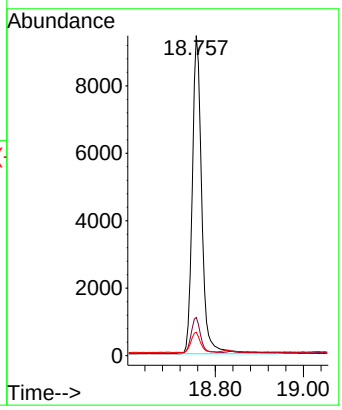


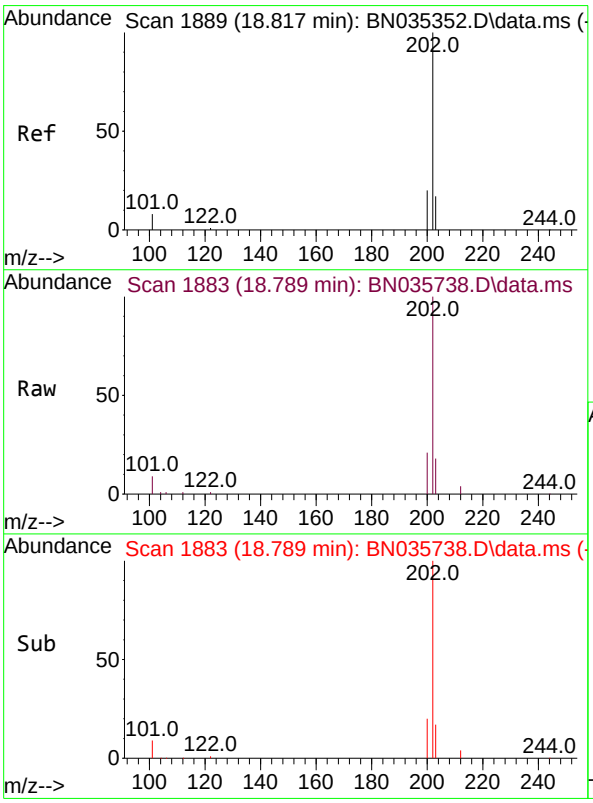
#27
Fluoranthene-d10
Concen: 0.417 ng
RT: 18.757 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210MSD

Tgt Ion:212 Resp: 14112

Ion	Ratio	Lower	Upper
212	100		
106	11.2	9.2	13.8
104	6.3	5.3	7.9

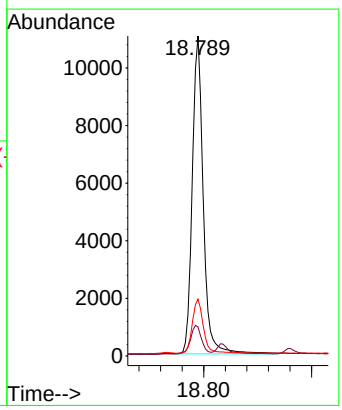


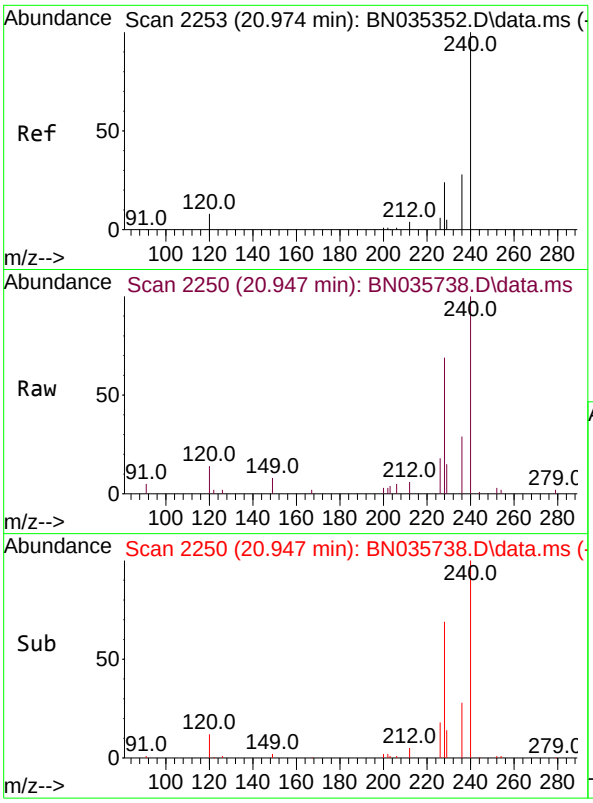


#28
Fluoranthene
Concen: 0.353 ng
RT: 18.789 min Scan# 1883
Delta R.T. -0.000 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Tgt Ion:202 Resp: 15609

Ion	Ratio	Lower	Upper
202	100		
101	9.5	7.4	11.0
203	17.1	13.7	20.5



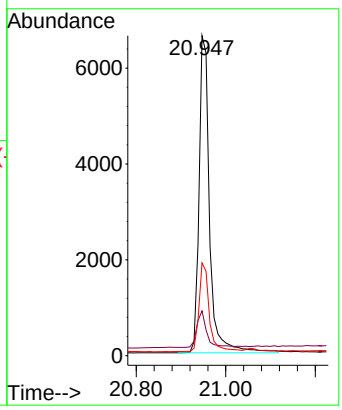


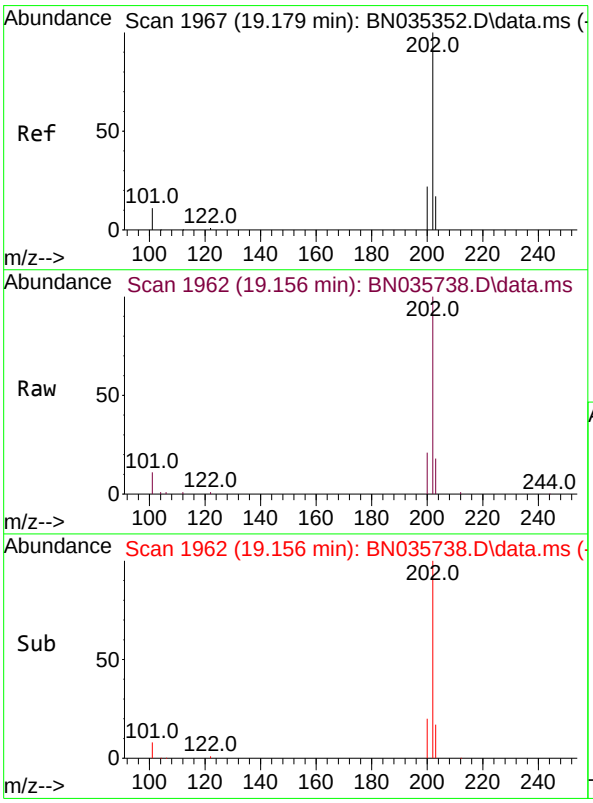
#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.947 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210MSD

Tgt Ion:240 Resp: 10838

Ion	Ratio	Lower	Upper
240	100		
120	14.0	7.9	11.9#
236	29.0	22.9	34.3

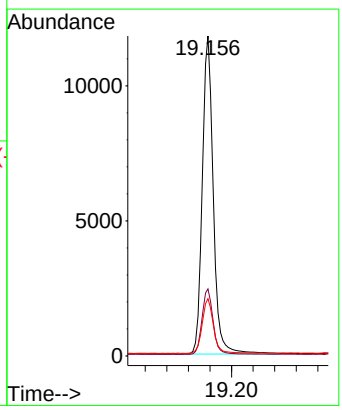


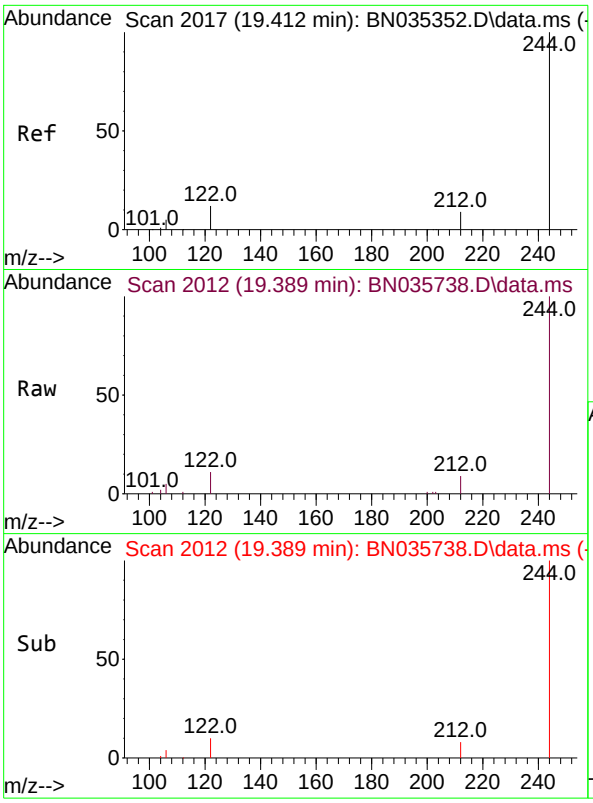


#30
Pyrene
Concen: 0.416 ng
RT: 19.156 min Scan# 1962
Delta R.T. -0.005 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Tgt Ion:202 Resp: 16643

Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.0	25.4
203	17.6	14.3	21.5



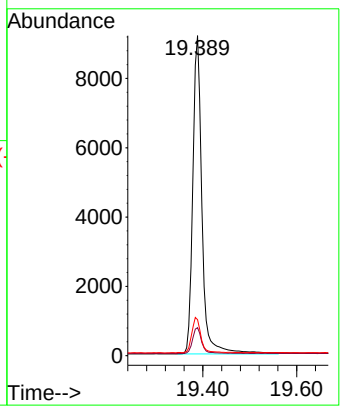


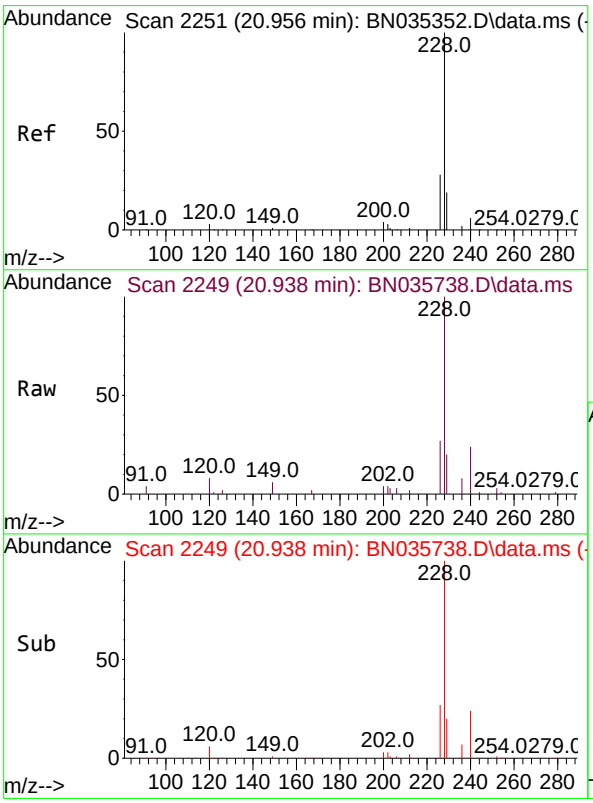
#31
Terphenyl-d14
Concen: 0.588 ng
RT: 19.389 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210MSD

Tgt Ion:244 Resp: 12561

Ion	Ratio	Lower	Upper
244	100		
212	8.8	8.1	12.1
122	11.3	10.3	15.5

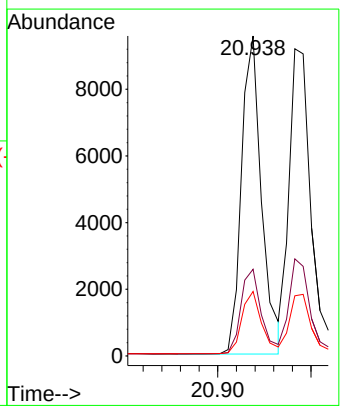


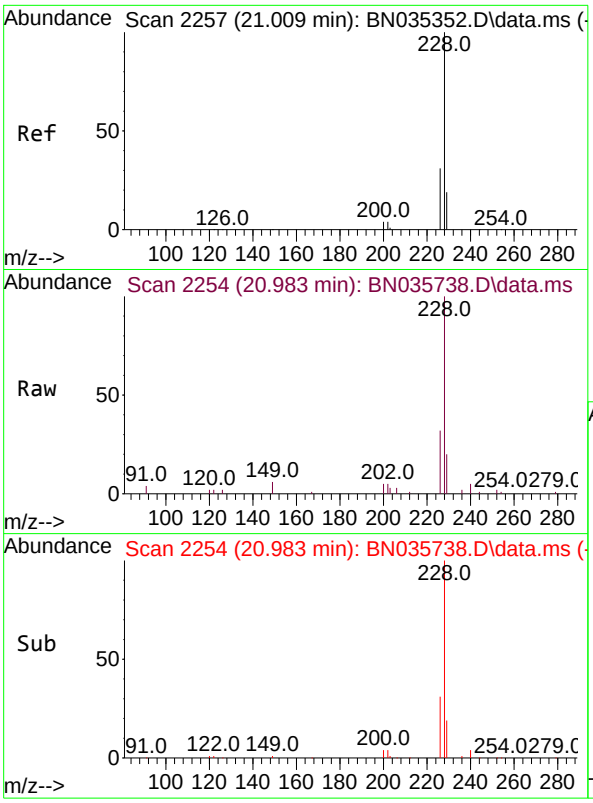


#32
Benzo(a)anthracene
Concen: 0.376 ng
RT: 20.938 min Scan# 2249
Delta R.T. -0.000 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Tgt Ion:228 Resp: 14262

Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.5	33.7
229	20.1	15.8	23.8



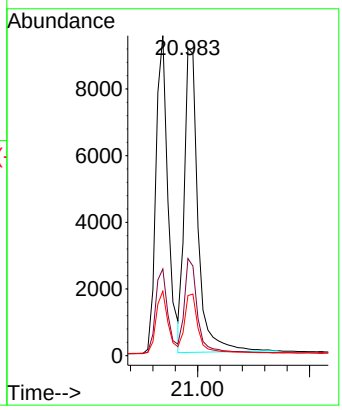


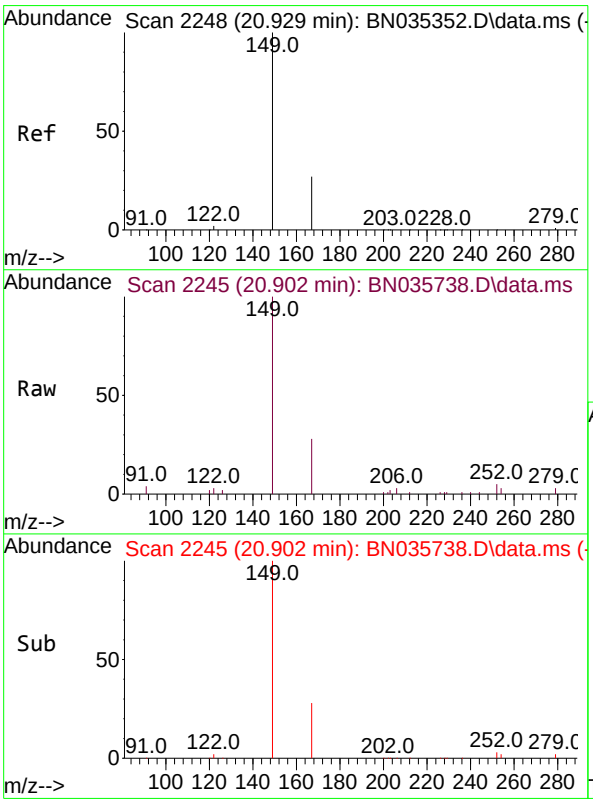
#33
Chrysene
Concen: 0.397 ng
RT: 20.983 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210MSD

Tgt Ion:228 Resp: 15526

Ion	Ratio	Lower	Upper
228	100		
226	31.6	24.6	37.0
229	19.6	15.9	23.9

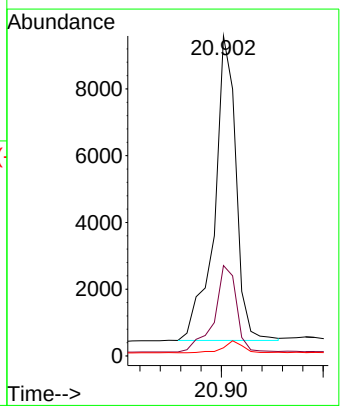


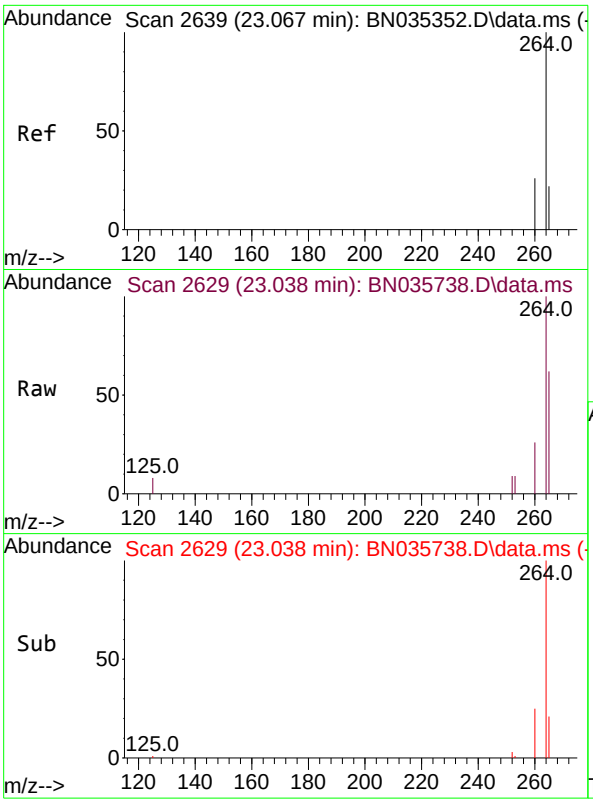


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.895 ng
RT: 20.902 min Scan# 2245
Delta R.T. -0.009 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Tgt Ion:149 Resp: 13398

Ion	Ratio	Lower	Upper
149	100		
167	29.2	22.2	33.4
279	3.5	2.7	4.1



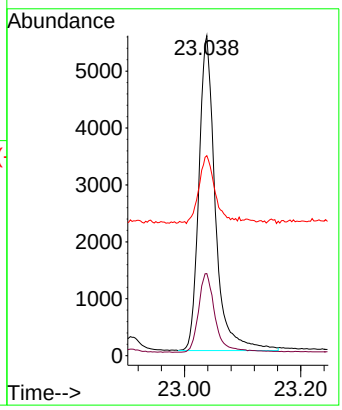


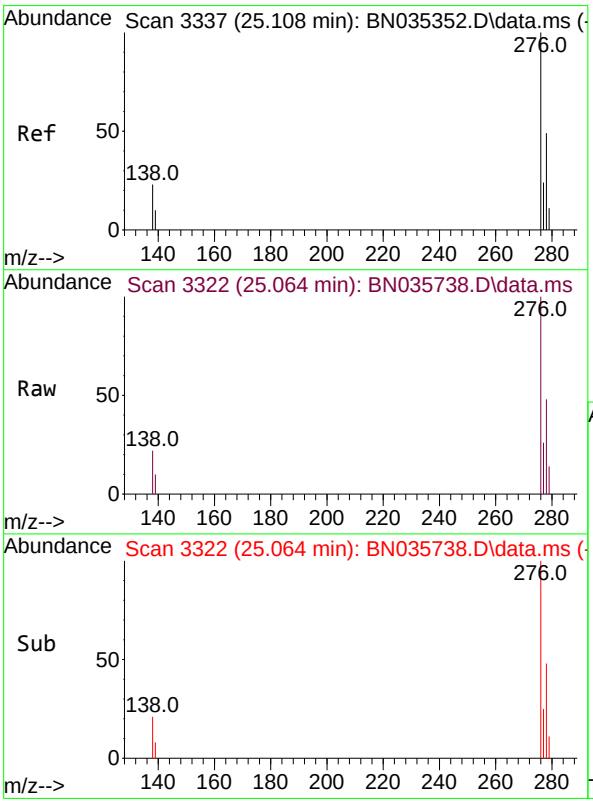
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.038 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210MSD

Tgt Ion:264 Resp: 10844

Ion	Ratio	Lower	Upper
264	100		
260	25.6	21.4	32.2
265	62.5	40.2	60.4#

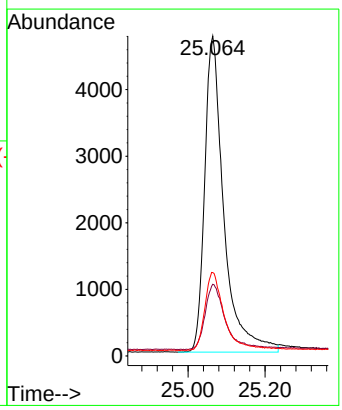


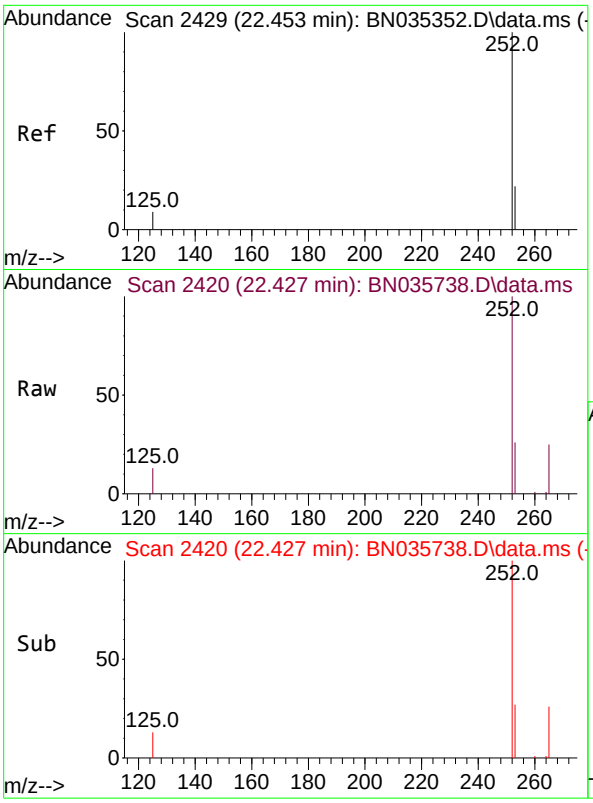


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.386 ng
RT: 25.064 min Scan# 3322
Delta R.T. -0.003 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Tgt Ion:276 Resp: 16365

Ion	Ratio	Lower	Upper
276	100		
138	21.4	19.4	29.0
277	24.5	19.8	29.6



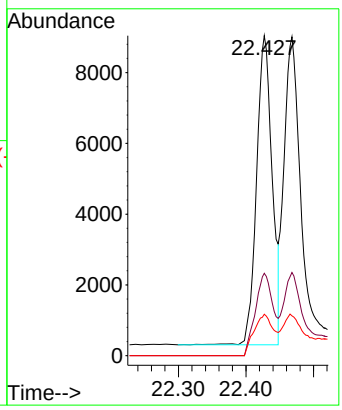


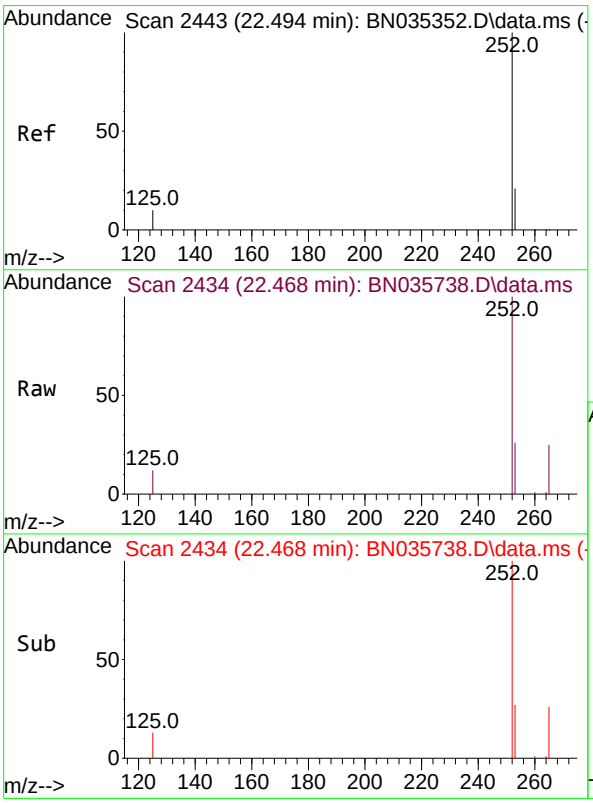
#37
Benzo(b)fluoranthene
Concen: 0.670 ng
RT: 22.427 min Scan# 24
Delta R.T. -0.003 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210MSD

Tgt Ion:252 Resp: 26576

Ion	Ratio	Lower	Upper
252	100		
253	25.7	19.6	29.4
125	13.0	9.6	14.4

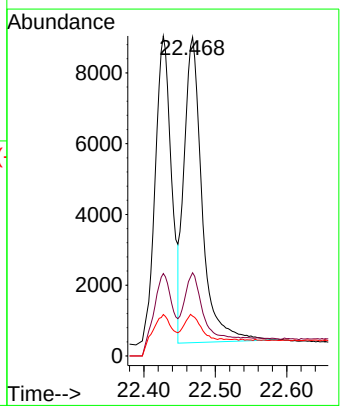


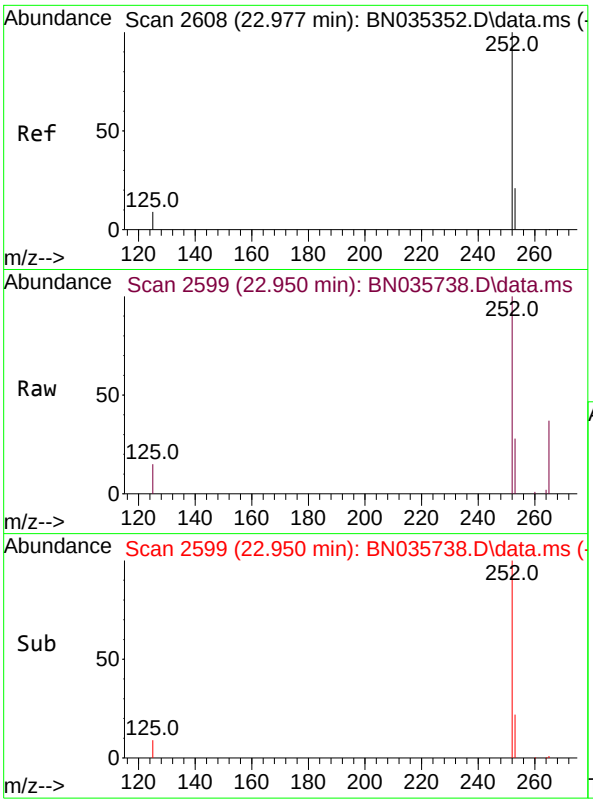


#38
Benzo(k)fluoranthene
Concen: 0.389 ng
RT: 22.468 min Scan# 2434
Delta R.T. -0.003 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Tgt Ion:252 Resp: 15174

Ion	Ratio	Lower	Upper
252	100		
253	26.1	19.5	29.3
125	12.5	10.2	15.4



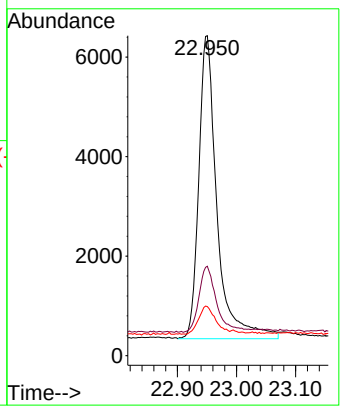


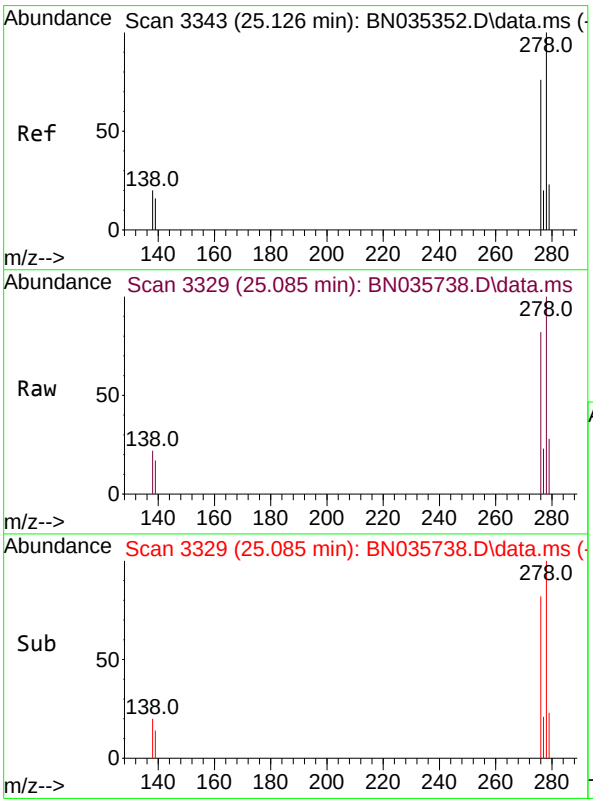
#39
Benzo(a)pyrene
Concen: 0.399 ng
RT: 22.950 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210MSD

Tgt Ion:252 Resp: 13047

Ion	Ratio	Lower	Upper
252	100		
253	27.9	20.2	30.4
125	15.4	10.9	16.3

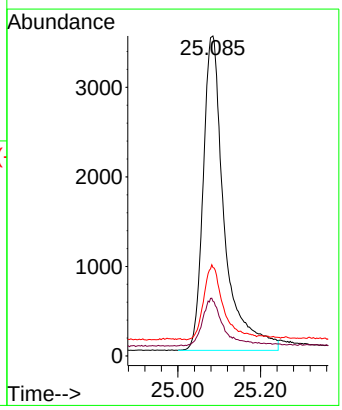


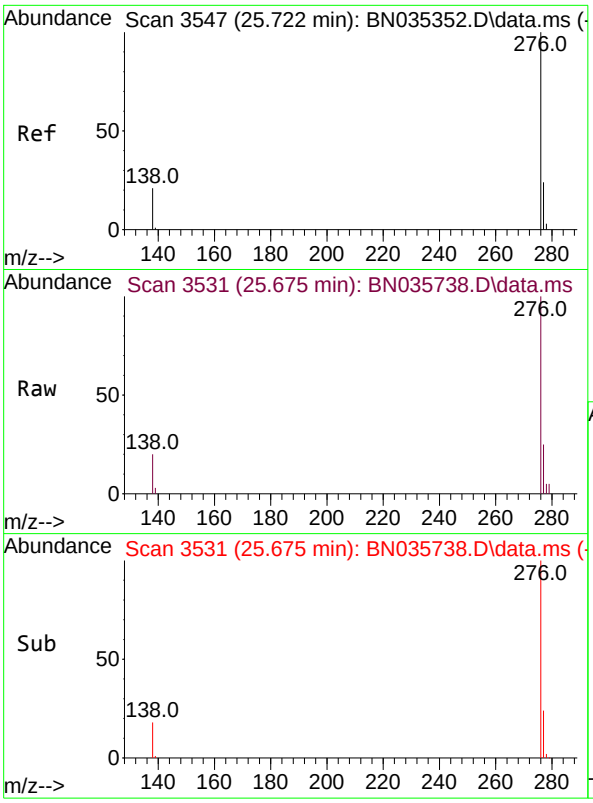


#40
Dibenzo(a,h)anthracene
Concen: 0.373 ng
RT: 25.085 min Scan# 3329
Delta R.T. 0.003 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Tgt Ion:278 Resp: 12476

Ion	Ratio	Lower	Upper
278	100		
139	17.1	14.2	21.4
279	27.6	20.5	30.7



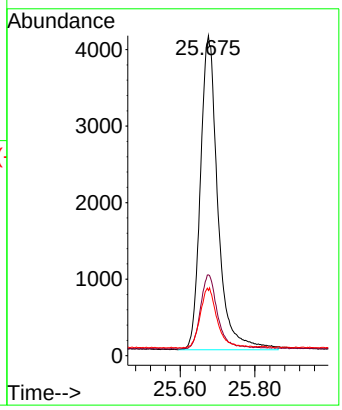


#41
Benzo(g,h,i)perylene
Concen: 0.382 ng
RT: 25.675 min Scan# 3
Delta R.T. -0.003 min
Lab File: BN035738.D
Acq: 20 Dec 2024 12:53

Instrument :
BNA_N
ClientSampleId :
RE125D1-20241210MSD

Tgt Ion:276 Resp: 13349

Ion	Ratio	Lower	Upper
276	100		
277	25.3	19.9	29.9
138	20.4	17.8	26.8



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035739.D
Acq On : 20 Dec 2024 13:29
Operator : RC/JU
Sample : P5261-18
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE120D2-20241210

Quant Time: Dec 24 08:16:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

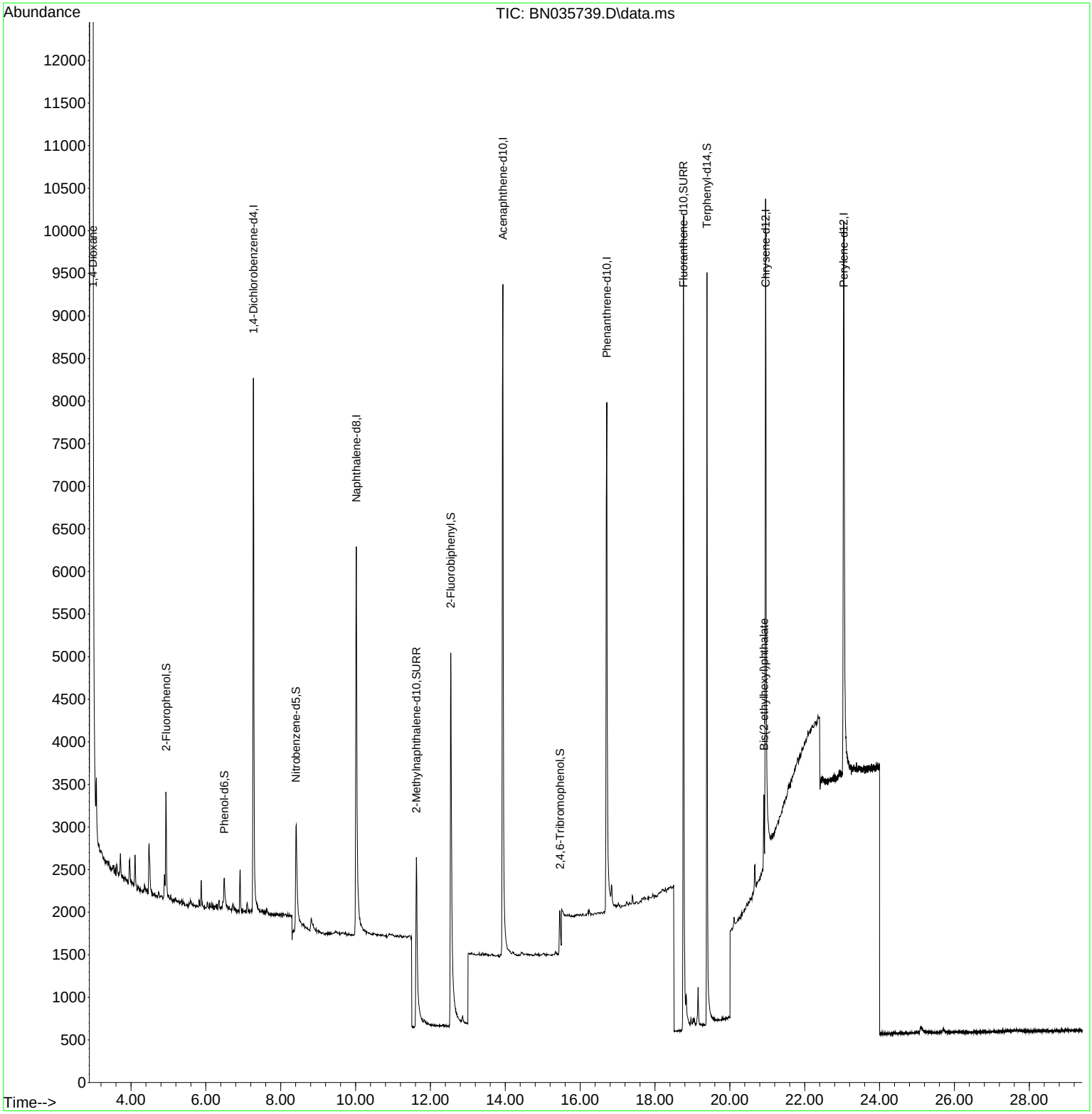
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.272	152	3452	0.400	ng	0.00
7) Naphthalene-d8	10.020	136	8881	0.400	ng	# 0.00
13) Acenaphthene-d10	13.935	164	5884	0.400	ng	0.00
19) Phenanthrene-d10	16.711	188	11860	0.400	ng	# 0.01
29) Chrysene-d12	20.956	240	10328	0.400	ng	# 0.00
35) Perylene-d12	23.044	264	10315	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.939	112	1173	0.136	ng	0.00
5) Phenol-d6	6.492	99	660	0.064	ng	0.00
8) Nitrobenzene-d5	8.408	82	2277	0.420	ng	0.00
11) 2-Methylnaphthalene-d10	11.626	152	4976	0.358	ng	0.00
14) 2,4,6-Tribromophenol	15.464	330	758	0.181	ng	0.01
15) 2-Fluorobiphenyl	12.544	172	7160	0.322	ng	0.00
27) Fluoranthene-d10	18.762	212	13658	0.406	ng	0.00
31) Terphenyl-d14	19.389	244	10711	0.526	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.982	88	12453	3.774	ng	100
34) Bis(2-ethylhexyl)phtha...	20.911	149	901	0.063	ng	# 93

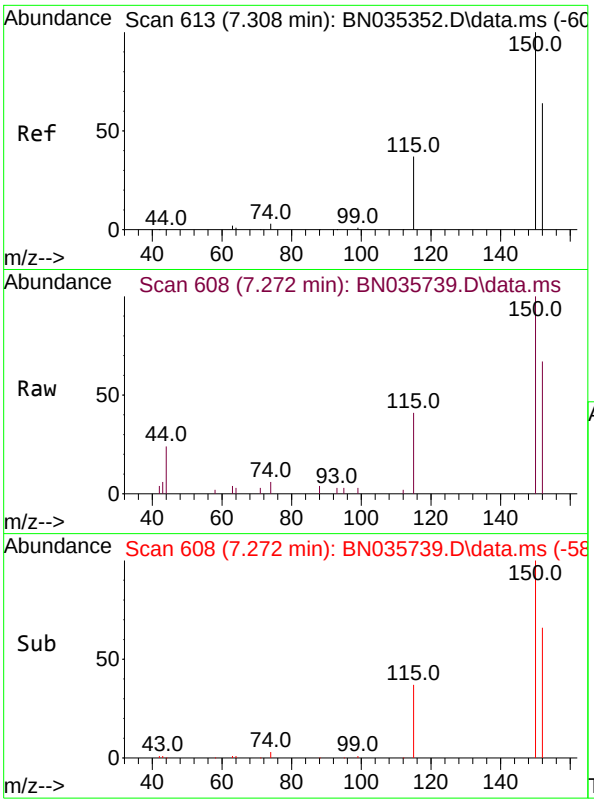
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035739.D
Acq On : 20 Dec 2024 13:29
Operator : RC/JU
Sample : P5261-18
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE120D2-20241210

Quant Time: Dec 24 08:16:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration



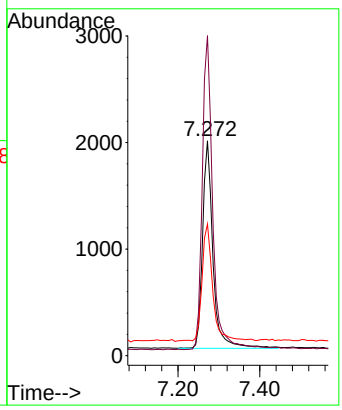


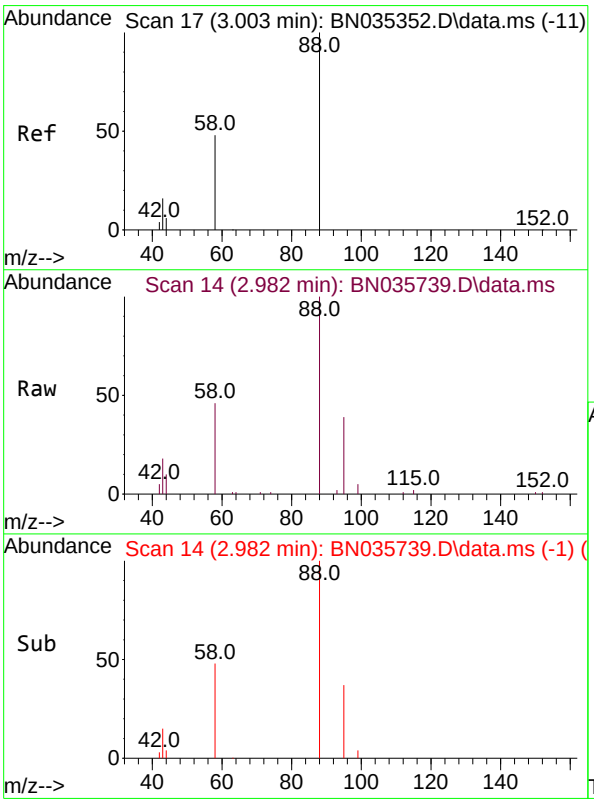
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.272 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN035739.D
Acq: 20 Dec 2024 13:29

Instrument :
BNA_N
ClientSampleId :
RE120D2-20241210

Tgt Ion:152 Resp: 3452

Ion	Ratio	Lower	Upper
152	100		
150	149.0	124.0	186.0
115	61.3	49.6	74.4

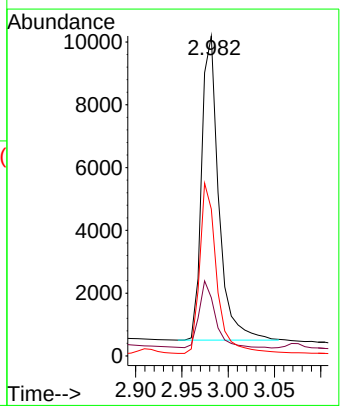


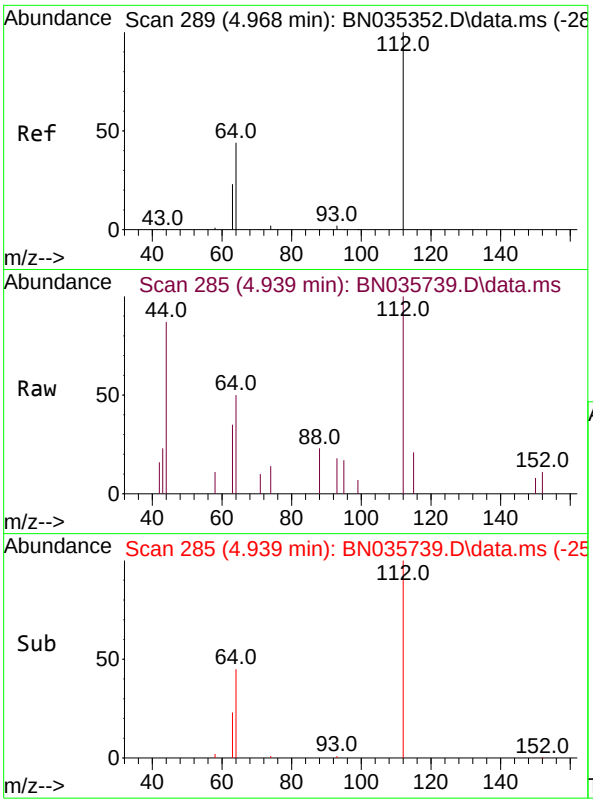


#2
1,4-Dioxane
Concen: 3.774 ng
RT: 2.982 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN035739.D
Acq: 20 Dec 2024 13:29

Tgt Ion: 88 Resp: 12453

Ion	Ratio	Lower	Upper
88	100		
43	21.0	17.2	25.8
58	55.6	44.5	66.7



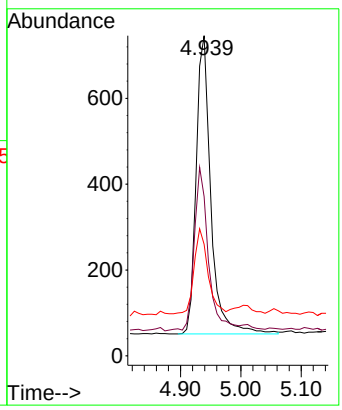


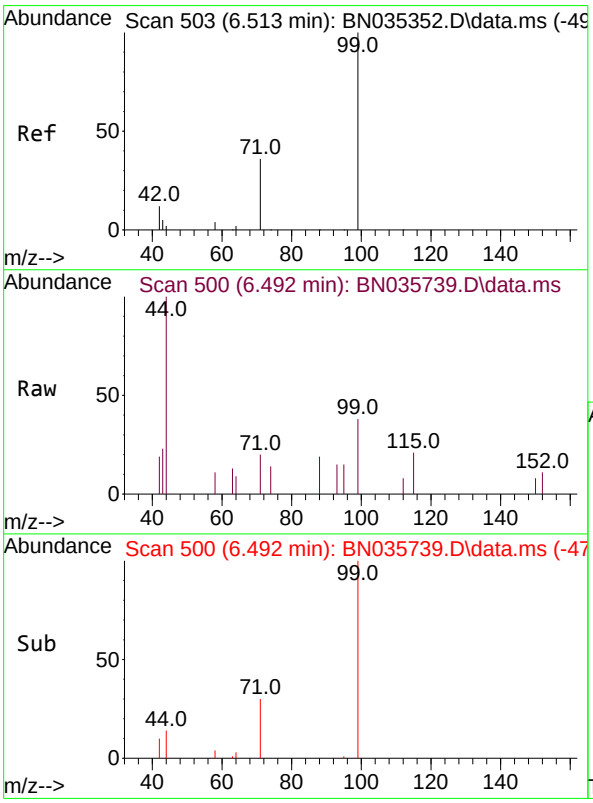
#4
2-Fluorophenol
Concen: 0.136 ng
RT: 4.939 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN035739.D
Acq: 20 Dec 2024 13:29

Instrument :
BNA_N
ClientSampleId :
RE120D2-20241210

Tgt Ion:112 Resp: 1173

Ion	Ratio	Lower	Upper
112	100		
64	51.6	39.8	59.8
63	26.6	21.0	31.6

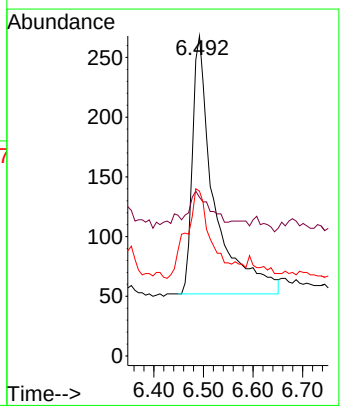


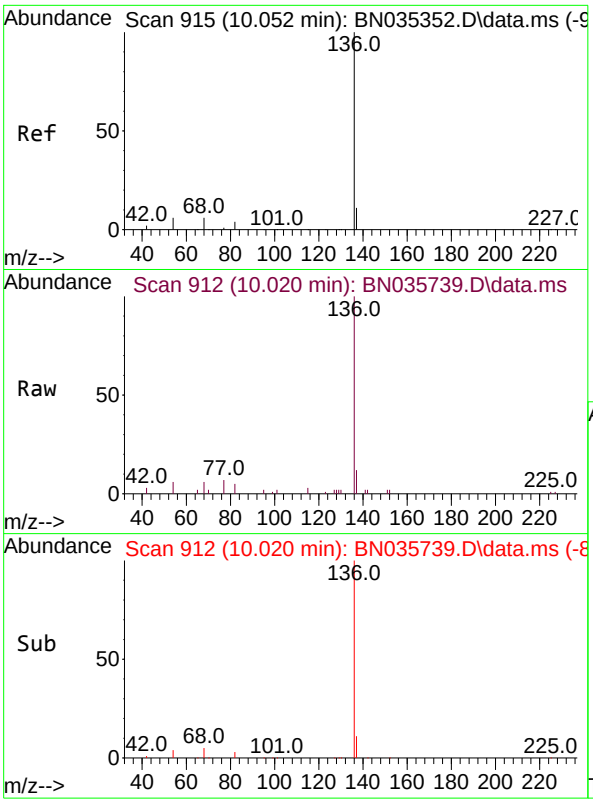


#5
Phenol-d6
Concen: 0.064 ng
RT: 6.492 min Scan# 500
Delta R.T. 0.000 min
Lab File: BN035739.D
Acq: 20 Dec 2024 13:29

Tgt Ion: 99 Resp: 660

Ion	Ratio	Lower	Upper
99	100		
42	10.6	11.4	17.2#
71	38.8	29.3	43.9



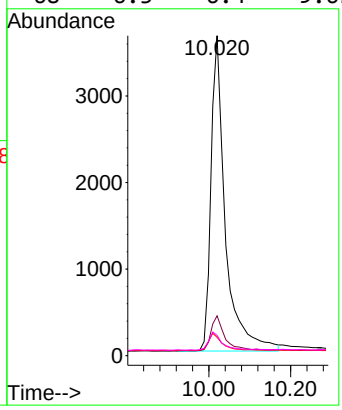


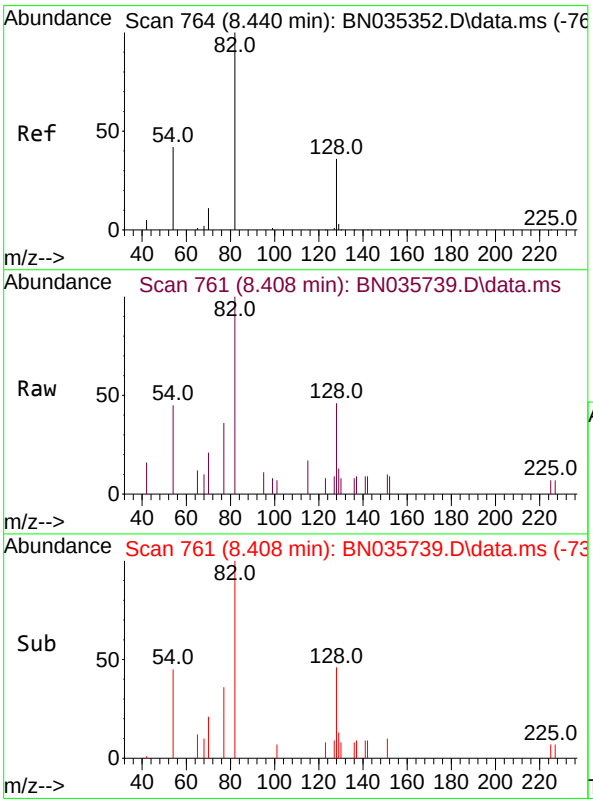
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.020 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN035739.D
Acq: 20 Dec 2024 13:29

Instrument :
BNA_N
ClientSampleId :
RE120D2-20241210

Tgt Ion:136 Resp: 8881

Ion	Ratio	Lower	Upper
136	100		
137	12.5	10.2	15.2
54	5.8	6.1	9.1#
68	6.3	6.4	9.6#

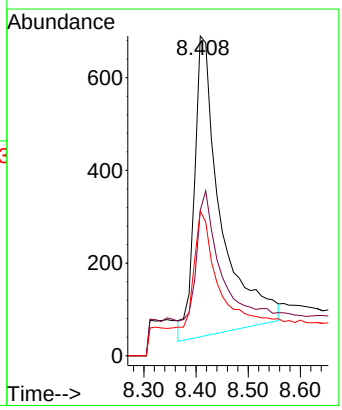


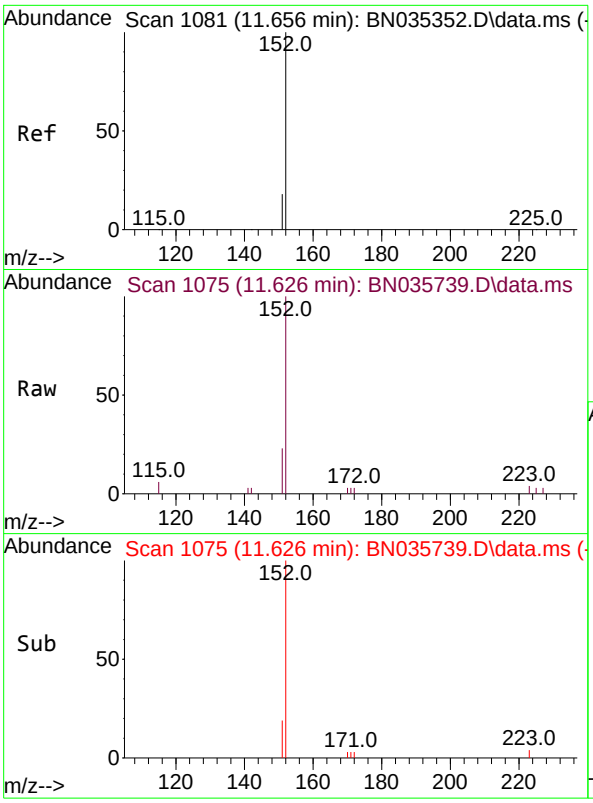


#8
Nitrobenzene-d5
Concen: 0.420 ng
RT: 8.408 min Scan# 761
Delta R.T. 0.000 min
Lab File: BN035739.D
Acq: 20 Dec 2024 13:29

Tgt Ion: 82 Resp: 2277

Ion	Ratio	Lower	Upper
82	100		
128	45.5	33.4	50.0
54	45.2	36.7	55.1



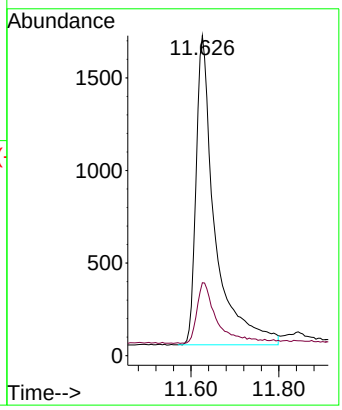


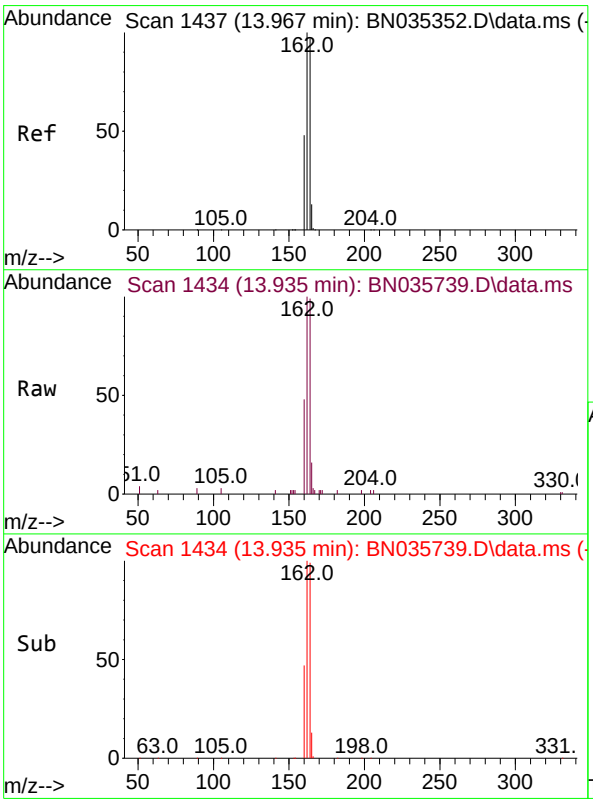
#11
2-Methylnaphthalene-d10
Concen: 0.358 ng
RT: 11.626 min Scan# 1
Delta R.T. 0.005 min
Lab File: BN035739.D
Acq: 20 Dec 2024 13:29

Instrument :
BNA_N
ClientSampleId :
RE120D2-20241210

Tgt Ion:152 Resp: 4976

Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.6	25.0

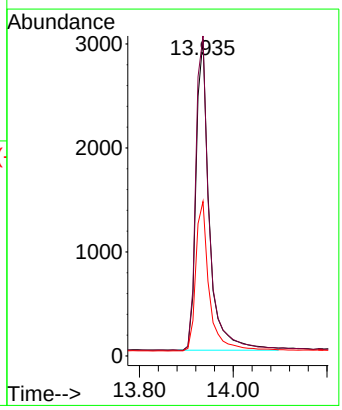


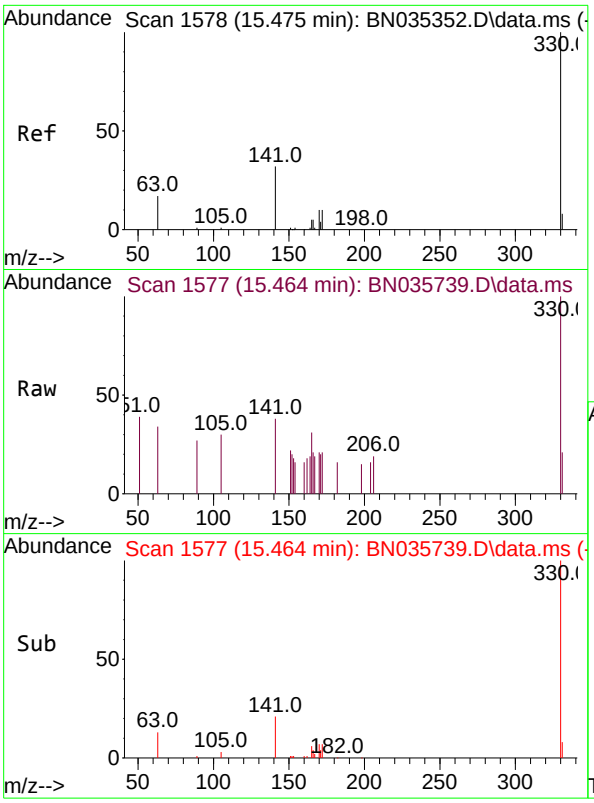


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.935 min Scan# 1434
Delta R.T. 0.000 min
Lab File: BN035739.D
Acq: 20 Dec 2024 13:29

Tgt Ion:164 Resp: 5884

Ion	Ratio	Lower	Upper
164	100		
162	101.1	82.2	123.2
160	48.8	40.1	60.1



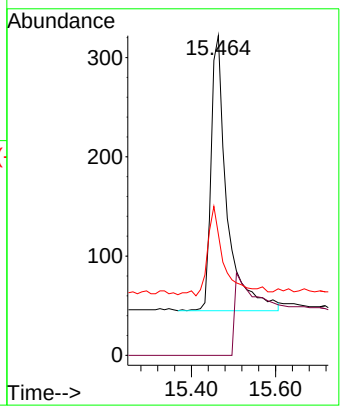


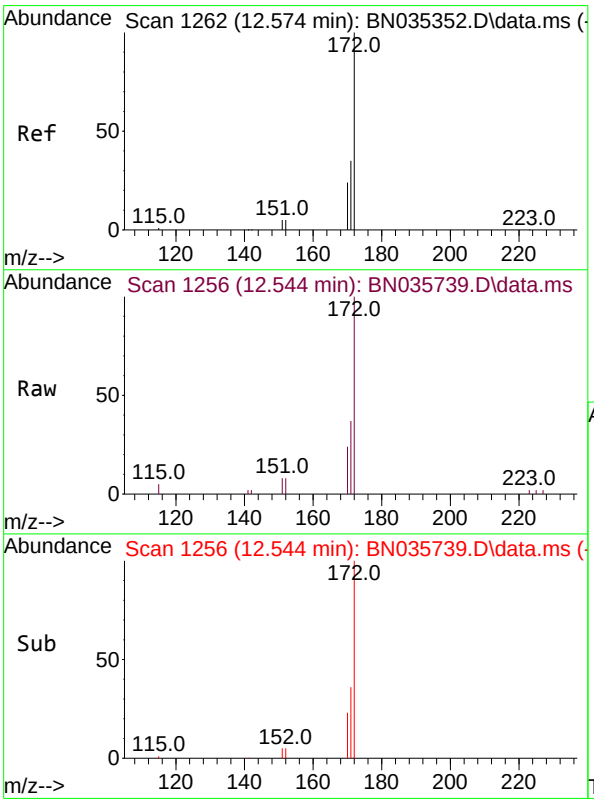
#14
2,4,6-Tribromophenol
Concen: 0.181 ng
RT: 15.464 min Scan# 1
Delta R.T. 0.011 min
Lab File: BN035739.D
Acq: 20 Dec 2024 13:29

Instrument :
BNA_N
ClientSampleId :
RE120D2-20241210

Tgt Ion:330 Resp: 758

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	33.1	26.6	40.0

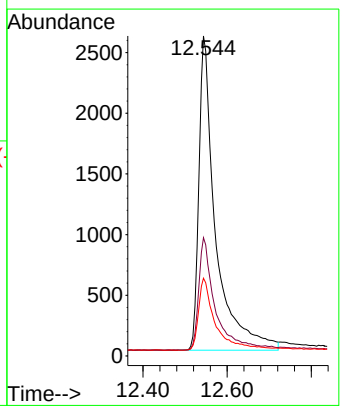


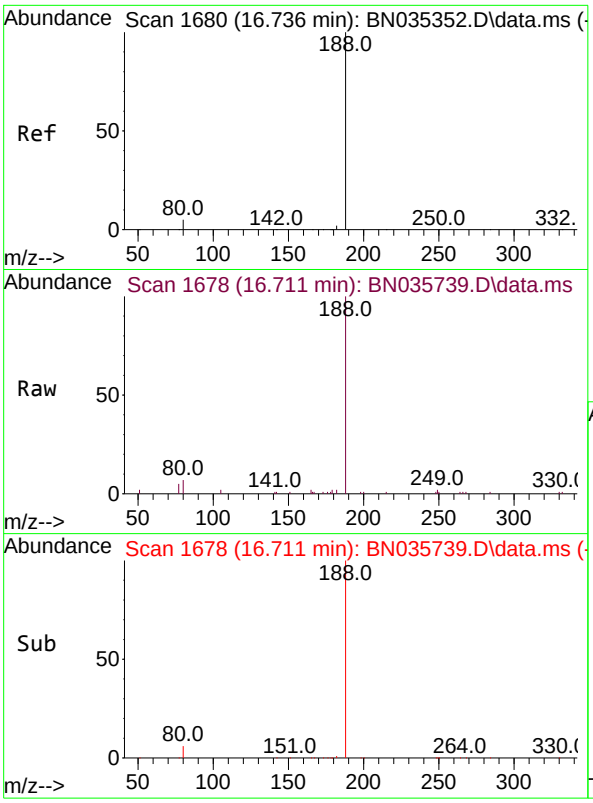


#15
2-Fluorobiphenyl
Concen: 0.322 ng
RT: 12.544 min Scan# 1256
Delta R.T. 0.000 min
Lab File: BN035739.D
Acq: 20 Dec 2024 13:29

Tgt Ion:172 Resp: 7160

Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.0	43.4
170	24.3	19.8	29.8



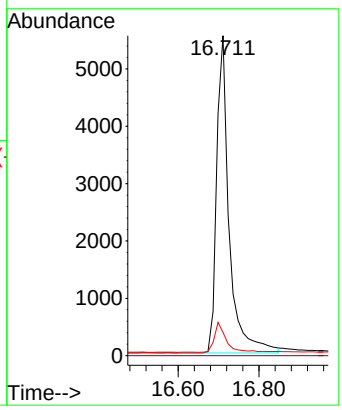


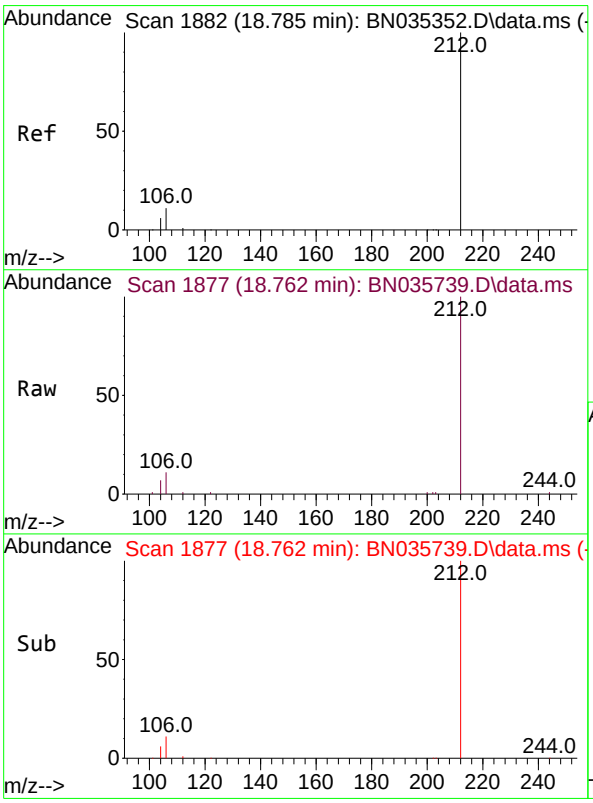
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.711 min Scan# 1(
Delta R.T. 0.012 min
Lab File: BN035739.D
Acq: 20 Dec 2024 13:29

Instrument :
BNA_N
ClientSampleId :
RE120D2-20241210

Tgt Ion:188 Resp: 11860

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.3	4.6	6.8#

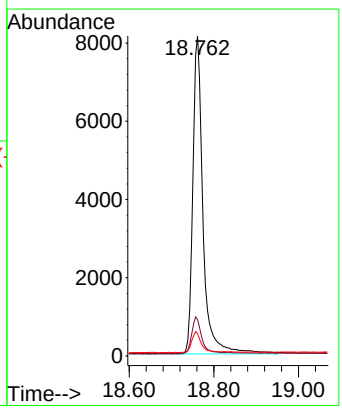


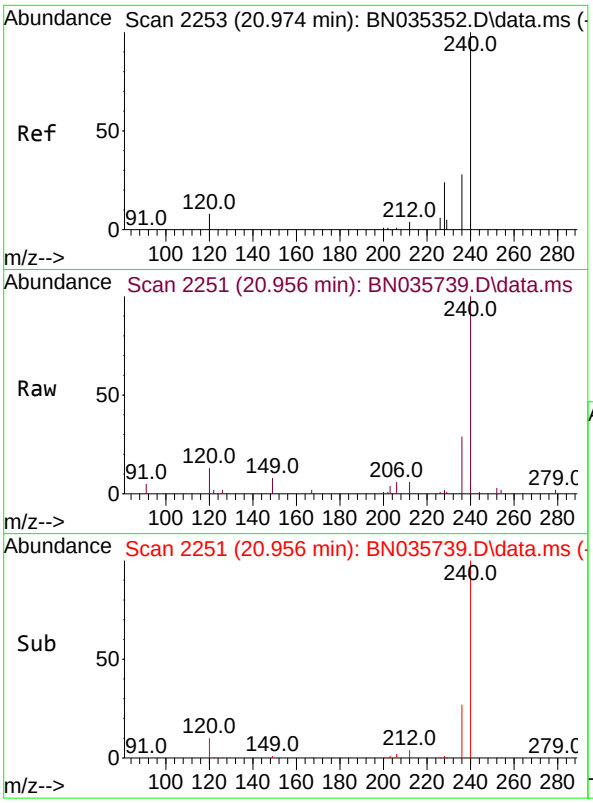


#27
Fluoranthene-d10
Concen: 0.406 ng
RT: 18.762 min Scan# 1877
Delta R.T. 0.000 min
Lab File: BN035739.D
Acq: 20 Dec 2024 13:29

Tgt Ion:212 Resp: 13658

Ion	Ratio	Lower	Upper
212	100		
106	10.9	9.2	13.8
104	6.2	5.3	7.9



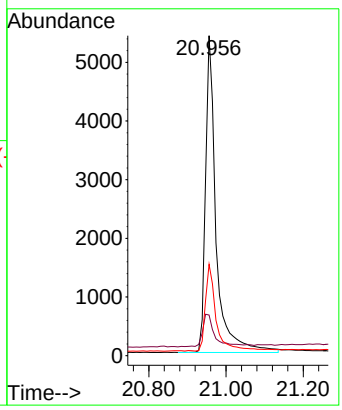


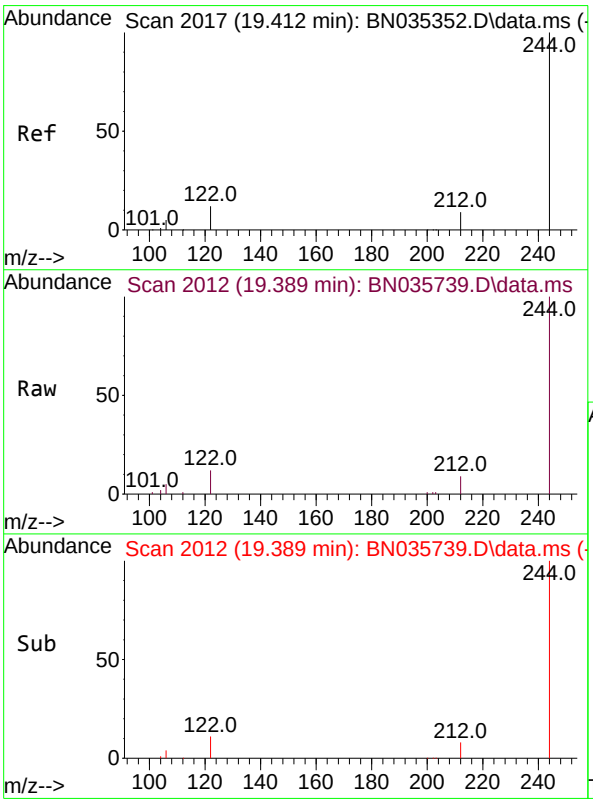
#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.956 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN035739.D
Acq: 20 Dec 2024 13:29

Instrument :
BNA_N
ClientSampleId :
RE120D2-20241210

Tgt Ion:240 Resp: 10328

Ion	Ratio	Lower	Upper
240	100		
120	12.7	7.9	11.9#
236	28.6	22.9	34.3

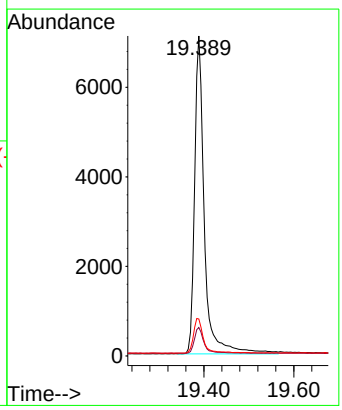


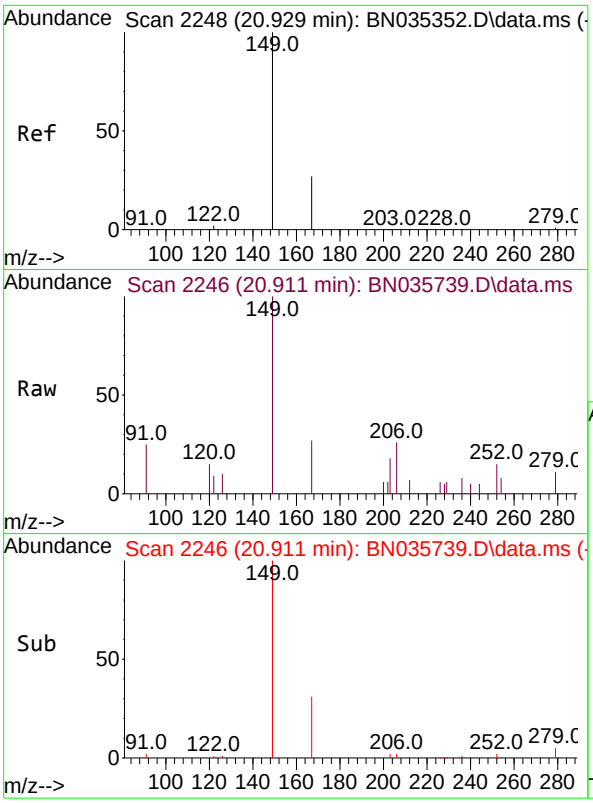


#31
Terphenyl-d14
Concen: 0.526 ng
RT: 19.389 min Scan# 2012
Delta R.T. 0.000 min
Lab File: BN035739.D
Acq: 20 Dec 2024 13:29

Tgt Ion:244 Resp: 10711

Ion	Ratio	Lower	Upper
244	100		
212	8.9	8.1	12.1
122	11.6	10.3	15.5



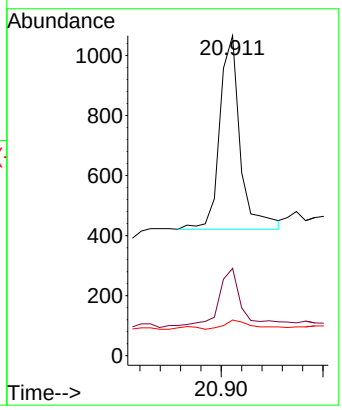


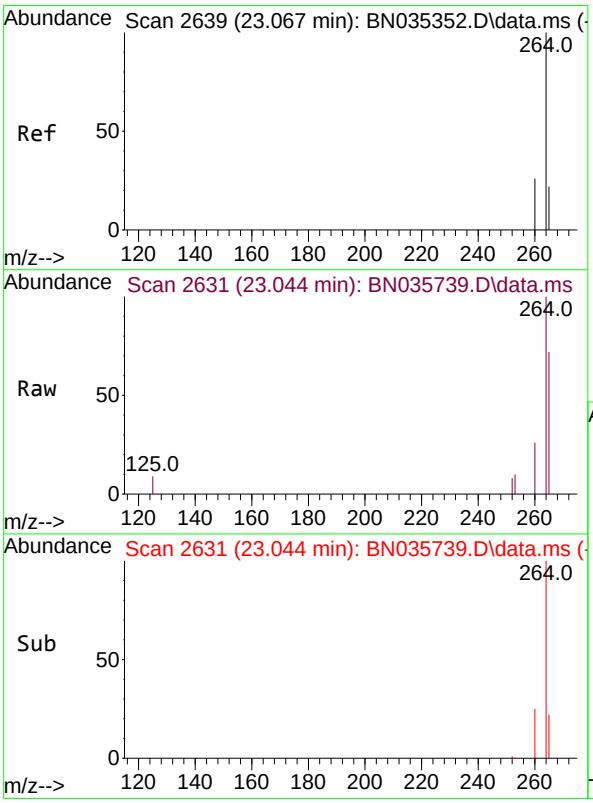
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.063 ng
RT: 20.911 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN035739.D
Acq: 20 Dec 2024 13:29

Instrument :
BNA_N
ClientSampleId :
RE120D2-20241210

Tgt Ion:149 Resp: 901

Ion	Ratio	Lower	Upper
149	100		
167	31.5	22.2	33.4
279	6.8	2.7	4.1#

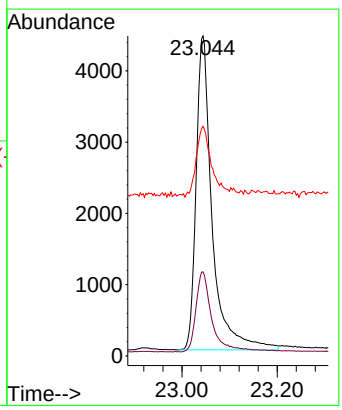




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.044 min Scan# 2631
Delta R.T. 0.003 min
Lab File: BN035739.D
Acq: 20 Dec 2024 13:29

Tgt Ion:264 Resp: 10315

Ion	Ratio	Lower	Upper
264	100		
260	26.3	21.4	32.2
265	71.7	40.2	60.4#



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035740.D
Acq On : 20 Dec 2024 14:05
Operator : RC/JU
Sample : P5261-19
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE120D3-20241210

Quant Time: Dec 20 17:12:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

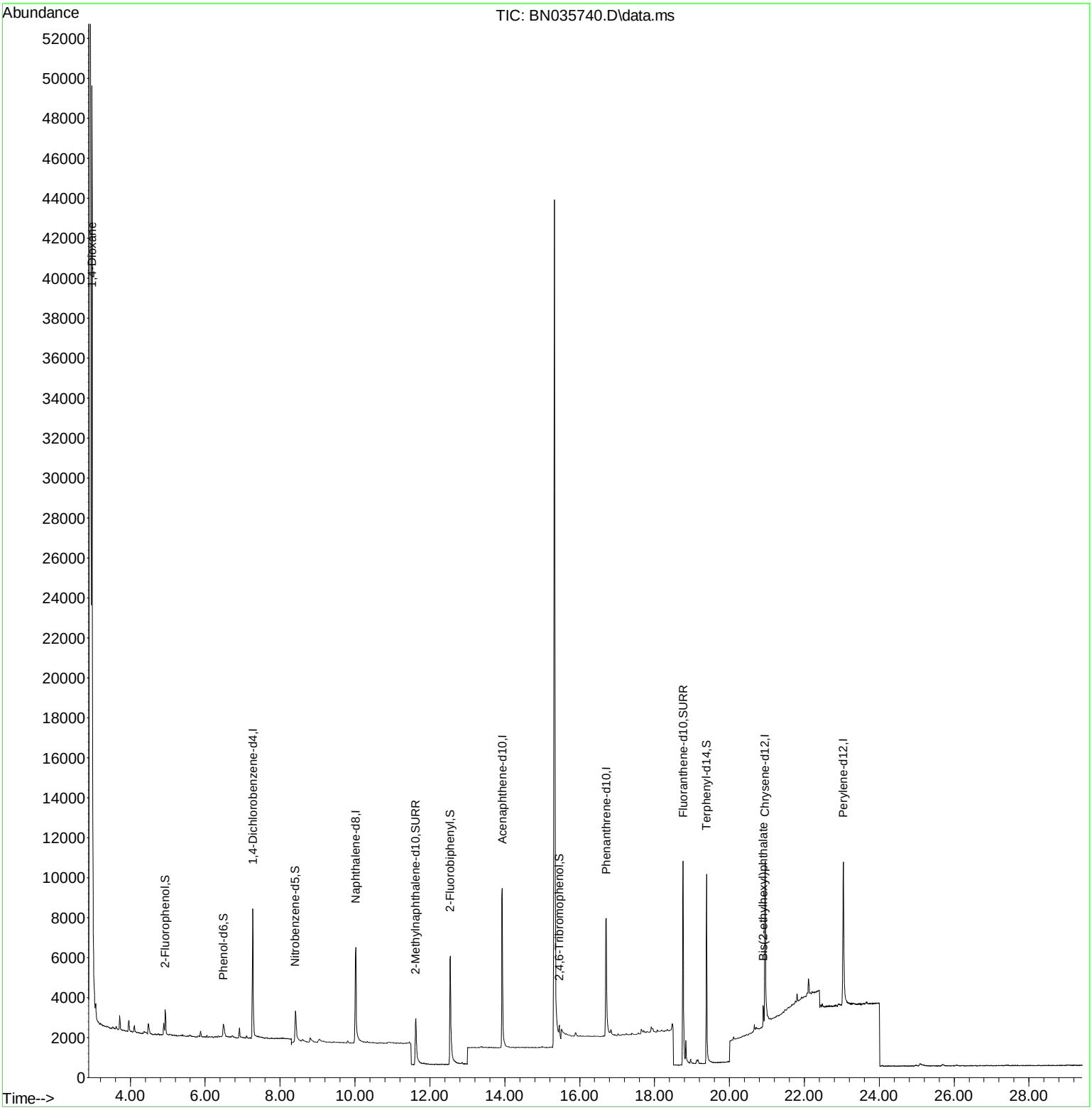
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.272	152	3324	0.400	ng	0.00
7) Naphthalene-d8	10.020	136	8846	0.400	ng	# 0.00
13) Acenaphthene-d10	13.935	164	5875	0.400	ng	0.00
19) Phenanthrene-d10	16.711	188	12041	0.400	ng	# 0.01
29) Chrysene-d12	20.956	240	10498	0.400	ng	0.00
35) Perylene-d12	23.041	264	10600	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.939	112	1125	0.135	ng	0.00
5) Phenol-d6	6.484	99	944	0.094	ng	0.00
8) Nitrobenzene-d5	8.408	82	3287	0.608	ng	0.00
11) 2-Methylnaphthalene-d10	11.621	152	5239	0.378	ng	0.00
14) 2,4,6-Tribromophenol	15.453	330	809	0.194	ng	0.00
15) 2-Fluorobiphenyl	12.544	172	7690	0.346	ng	0.00
27) Fluoranthene-d10	18.761	212	13888	0.407	ng	0.00
31) Terphenyl-d14	19.388	244	10774	0.520	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.982	88	24293	7.645	ng	99
34) Bis(2-ethylhexyl)phtha...	20.902	149	1150	0.079	ng	# 99

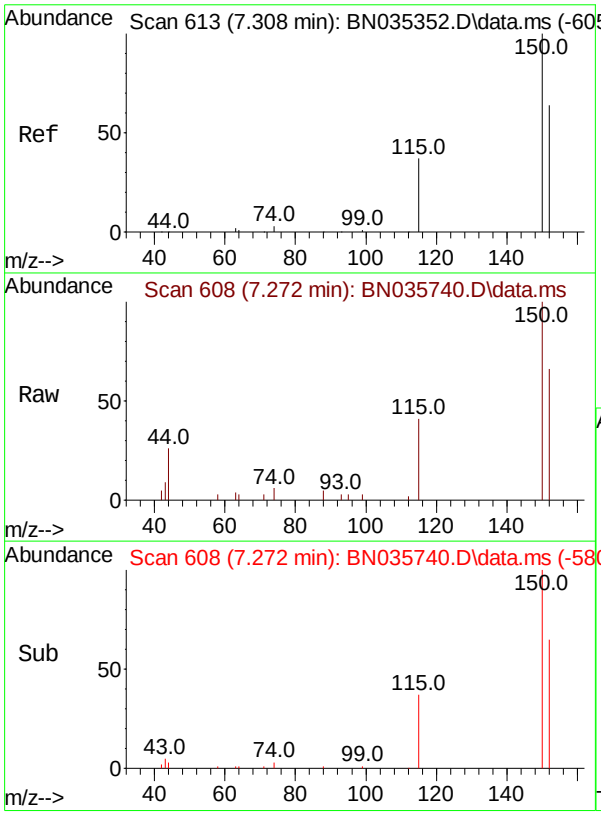
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035740.D
Acq On : 20 Dec 2024 14:05
Operator : RC/JU
Sample : P5261-19
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE120D3-20241210

Quant Time: Dec 20 17:12:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration



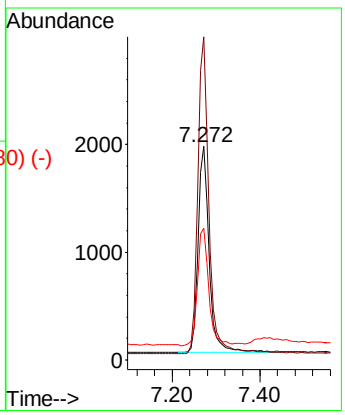


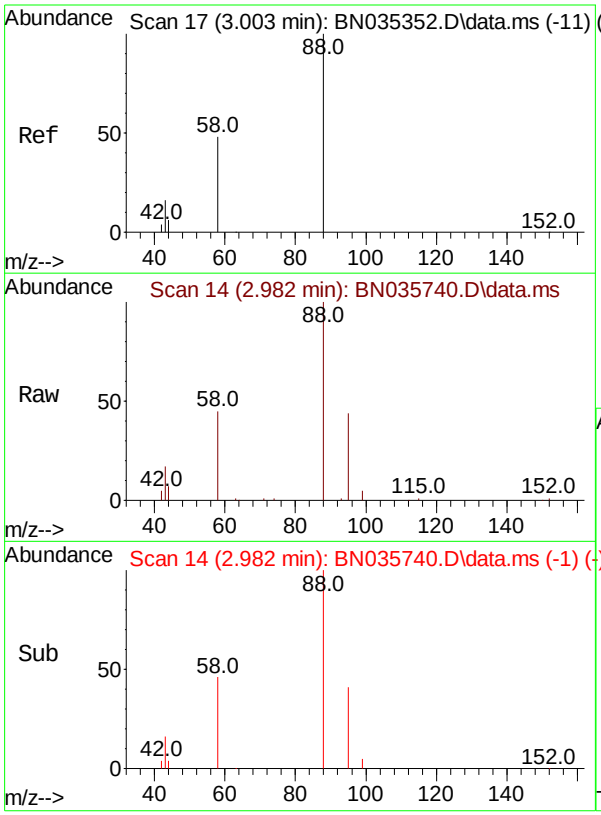
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.272 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN035740.D
Acq: 20 Dec 2024 14:05

Instrument :
BNA_N
ClientSampleId :
RE120D3-20241210

Tgt Ion:152 Resp: 3324

Ion	Ratio	Lower	Upper
152	100		
150	151.4	124.0	186.0
115	61.8	49.6	74.4

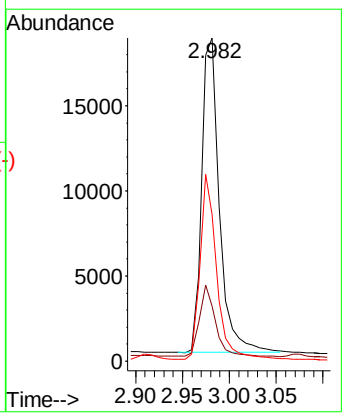


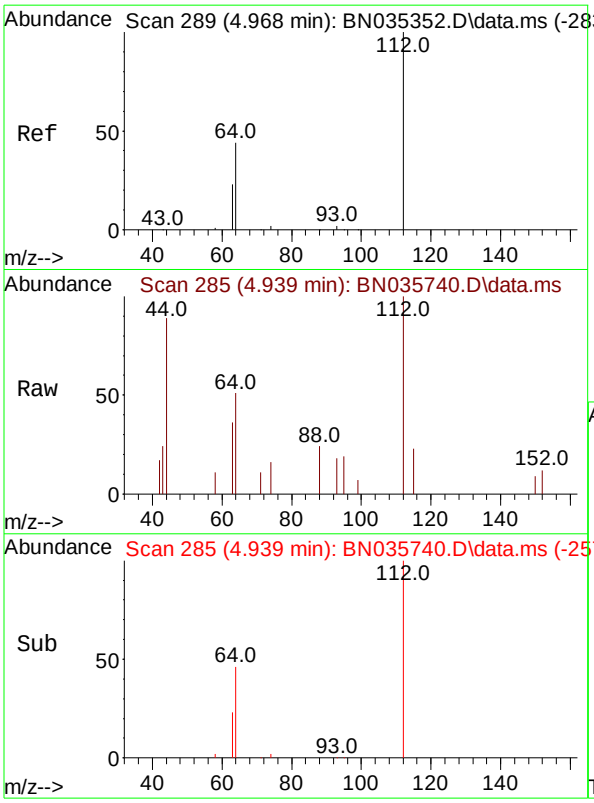


#2
1,4-Dioxane
Concen: 7.645 ng
RT: 2.982 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035740.D
Acq: 20 Dec 2024 14:05

Tgt Ion: 88 Resp: 24293

Ion	Ratio	Lower	Upper
88	100		
43	20.6	17.2	25.8
58	54.8	44.5	66.7



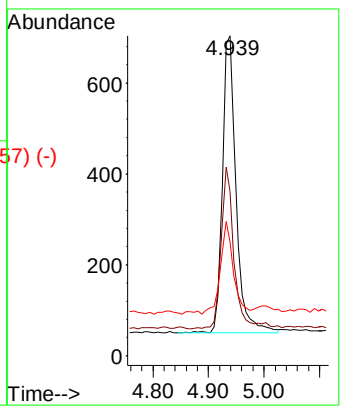


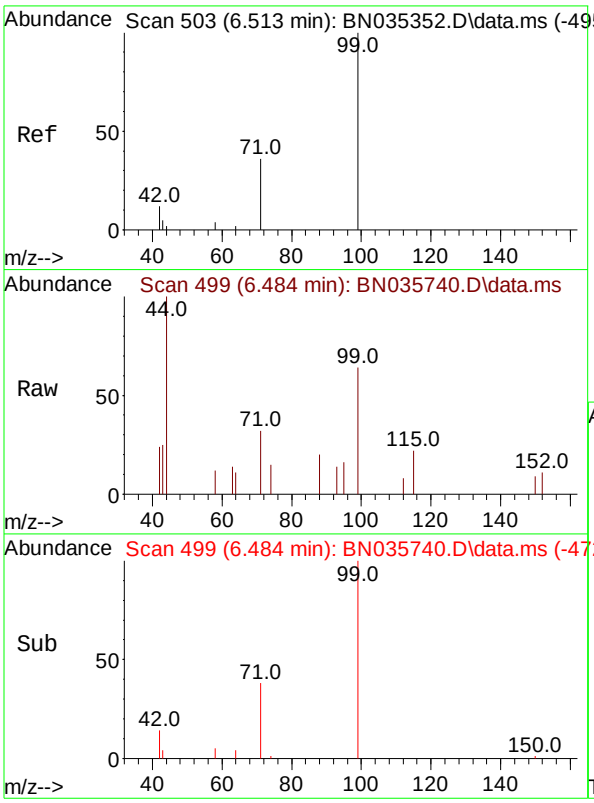
#4
2-Fluorophenol
Concen: 0.135 ng
RT: 4.939 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035740.D
Acq: 20 Dec 2024 14:05

Instrument :
BNA_N
ClientSampleId :
RE120D3-20241210

Tgt Ion:112 Resp: 1125

Ion	Ratio	Lower	Upper
112	100		
64	52.4	39.8	59.8
63	29.5	21.0	31.6

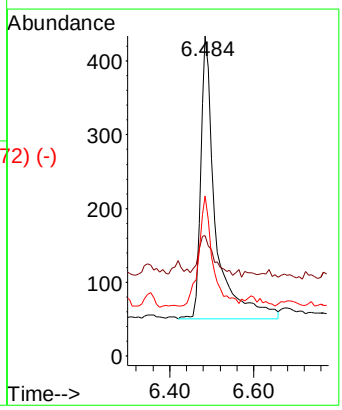


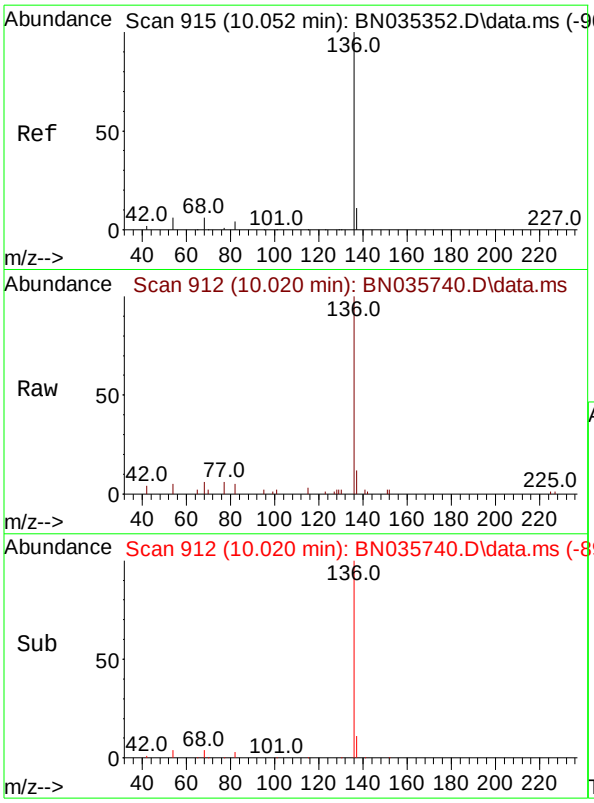


#5
Phenol-d6
Concen: 0.094 ng
RT: 6.484 min Scan# 499
Delta R.T. -0.007 min
Lab File: BN035740.D
Acq: 20 Dec 2024 14:05

Tgt Ion: 99 Resp: 944

Ion	Ratio	Lower	Upper
99	100		
42	14.9	11.4	17.2
71	36.5	29.3	43.9



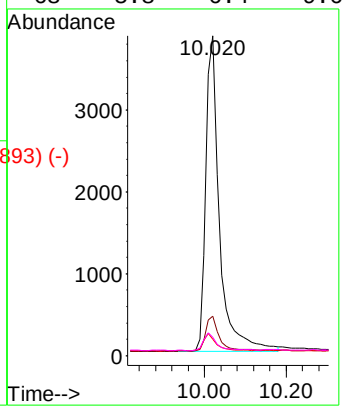


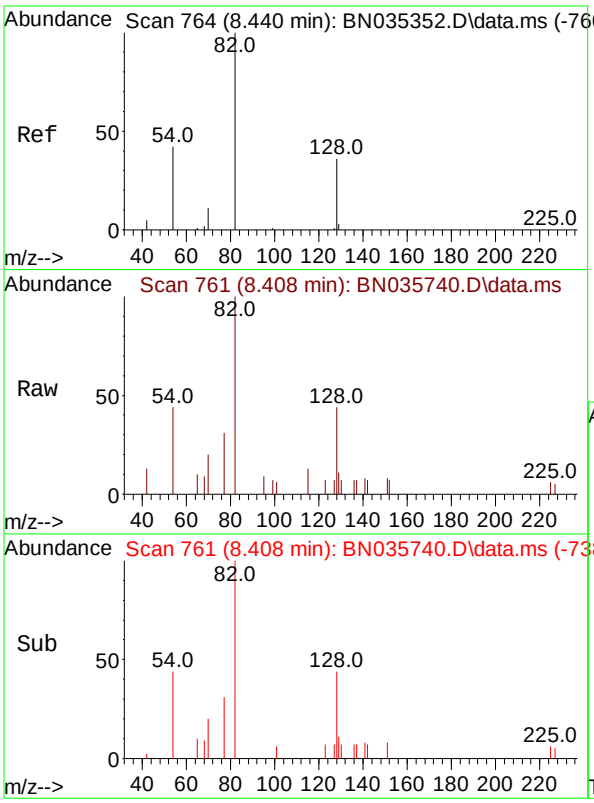
#87
Naphthalene-d8
Concen: 0.400 ng
RT: 10.020 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN035740.D
Acq: 20 Dec 2024 14:05

Instrument :
BNA_N
ClientSampleId :
RE120D3-20241210

Tgt Ion:136 Resp: 8846

Ion	Ratio	Lower	Upper
136	100		
137	12.3	10.2	15.2
54	5.1	6.1	9.1#
68	5.8	6.4	9.6#

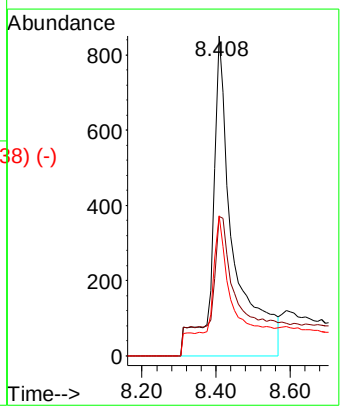


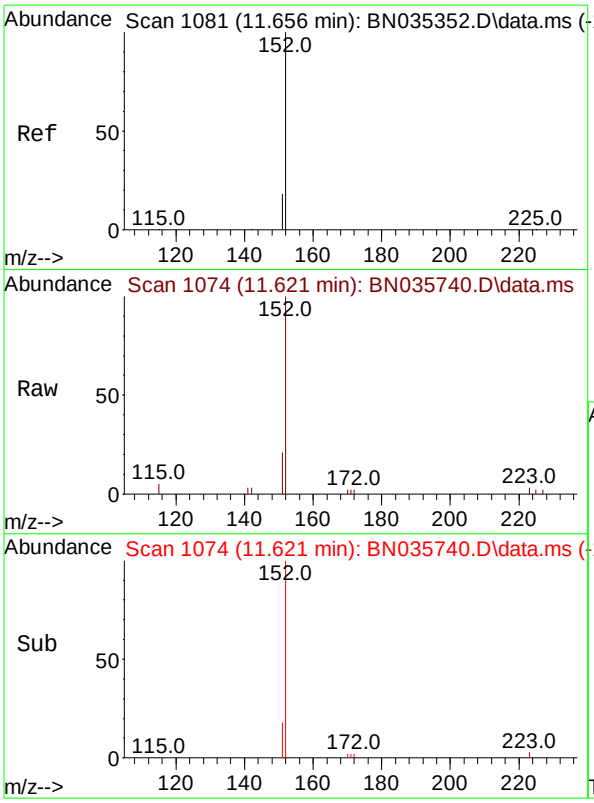


#78
Nitrobenzene-d5
Concen: 0.608 ng
RT: 8.408 min Scan# 761
Delta R.T. -0.000 min
Lab File: BN035740.D
Acq: 20 Dec 2024 14:05

Tgt Ion: 82 Resp: 3287

Ion	Ratio	Lower	Upper
82	100		
128	43.6	33.4	50.0
54	43.8	36.7	55.1



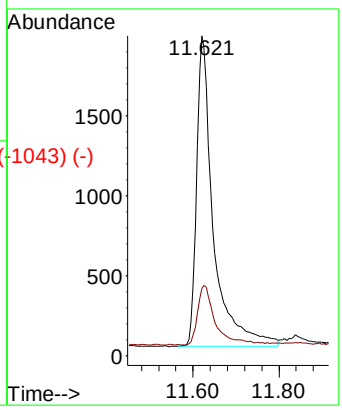


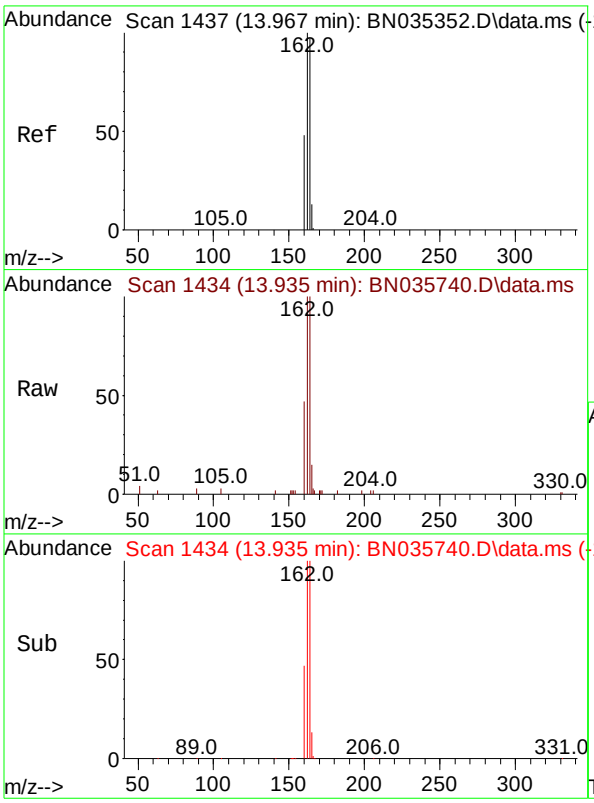
2-Methylnaphthalene-d10
Concen: 0.378 ng
RT: 11.621 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035740.D
Acq: 20 Dec 2024 14:05

Instrument :
BNA_N
ClientSampleId :
RE120D3-20241210

Tgt Ion:152 Resp: 5239

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.6	25.0

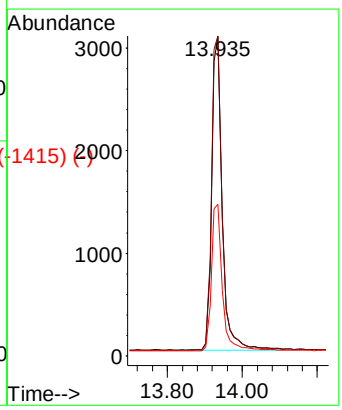


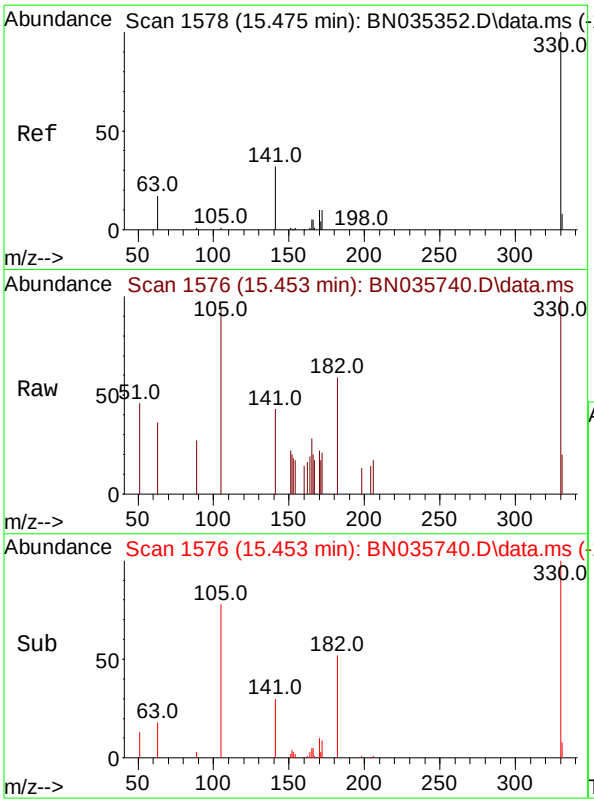


Acenaphthene-d10
Concen: 0.400 ng
RT: 13.935 min Scan# 1434
Delta R.T. -0.000 min
Lab File: BN035740.D
Acq: 20 Dec 2024 14:05

Tgt Ion:164 Resp: 5875

Ion	Ratio	Lower	Upper
164	100		
162	100.2	82.2	123.2
160	47.5	40.1	60.1



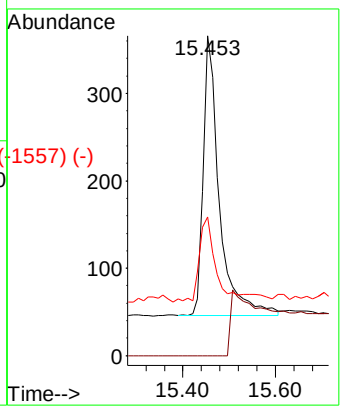


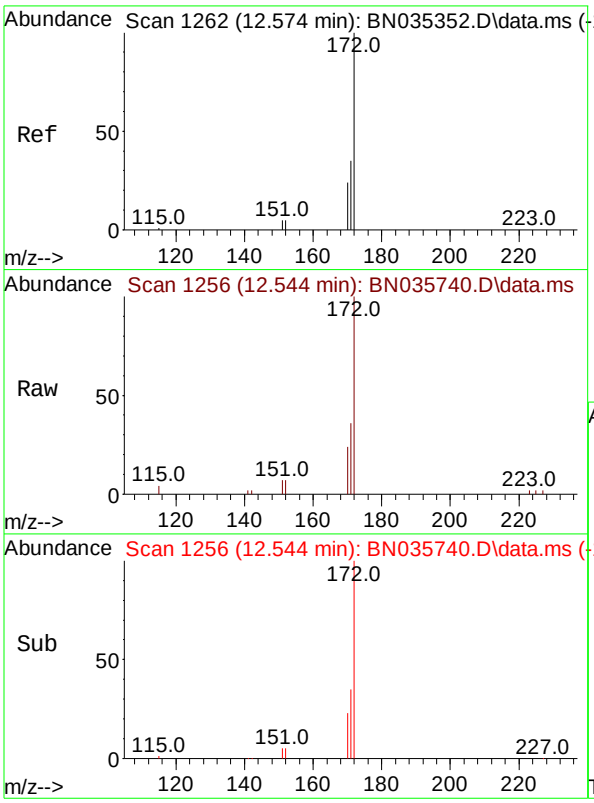
2,4,6-Tribromophenol
Concen: 0.194 ng
RT: 15.453 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035740.D
Acq: 20 Dec 2024 14:05

Instrument :
BNA_N
ClientSampleId :
RE120D3-20241210

Tgt Ion:330 Resp: 809

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	30.3	26.6	40.0

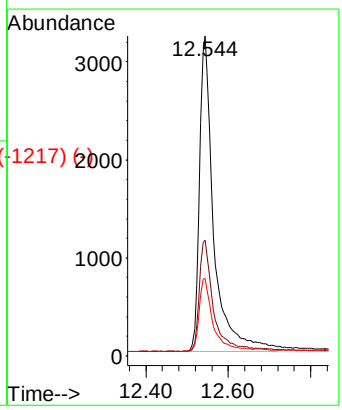


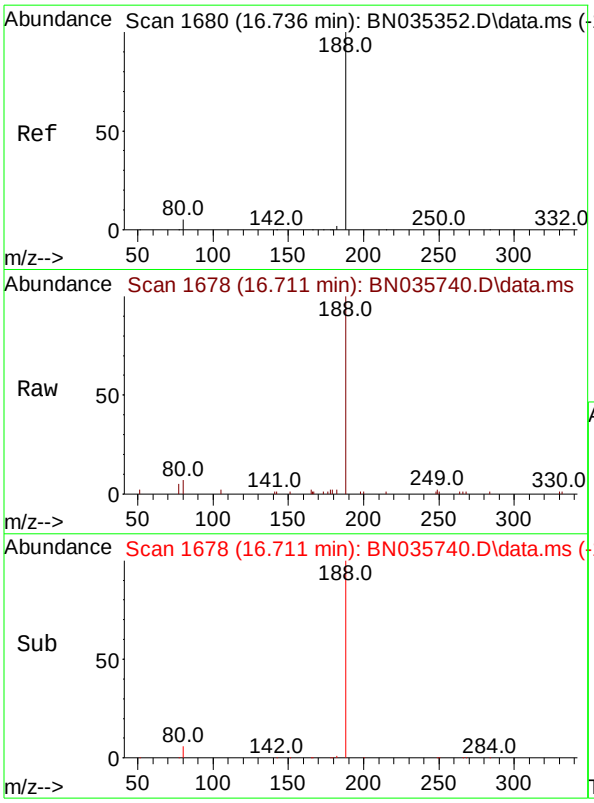


2-Fluorobiphenyl
Concen: 0.346 ng
RT: 12.544 min Scan# 1256
Delta R.T. -0.000 min
Lab File: BN035740.D
Acq: 20 Dec 2024 14:05

Tgt Ion:172 Resp: 7690

Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.0	43.4
170	24.2	19.8	29.8



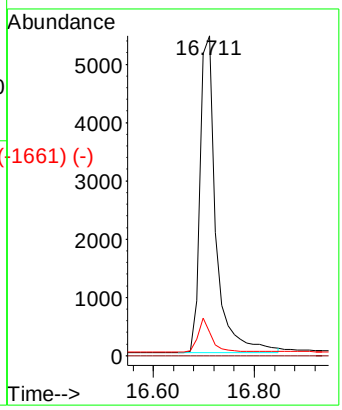


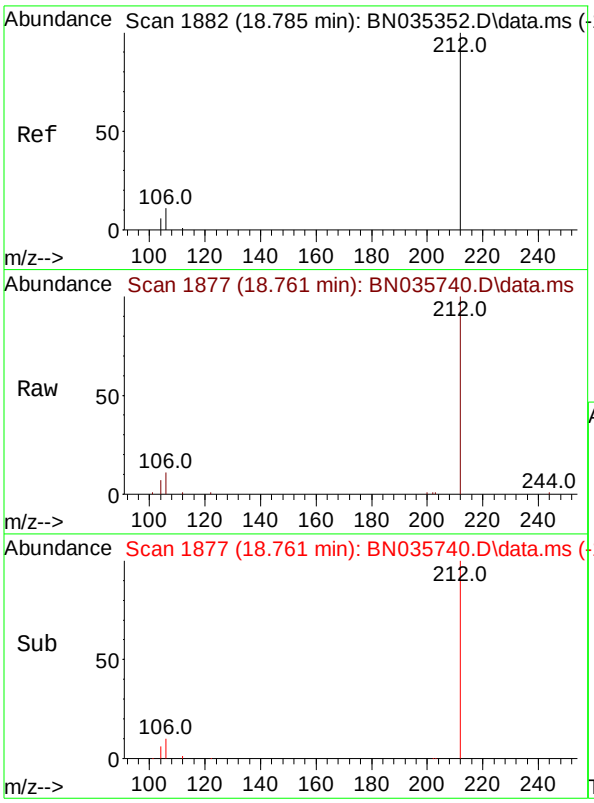
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.711 min Scan# 1
Delta R.T. 0.012 min
Lab File: BN035740.D
Acq: 20 Dec 2024 14:05

Instrument :
BNA_N
ClientSampleId :
RE120D3-20241210

Tgt Ion:188 Resp: 12041

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.3	4.6	6.8#

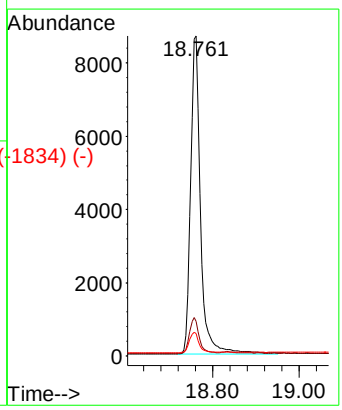


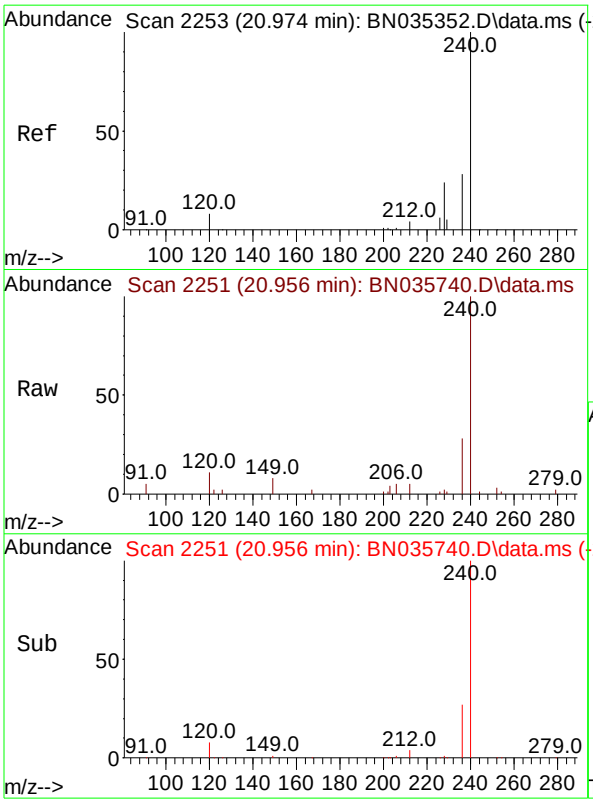


Fluoranthene-d10
Concen: 0.407 ng
RT: 18.761 min Scan# 1877
Delta R.T. -0.000 min
Lab File: BN035740.D
Acq: 20 Dec 2024 14:05

Tgt Ion:212 Resp: 13888

Ion	Ratio	Lower	Upper
212	100		
106	10.8	9.2	13.8
104	6.2	5.3	7.9



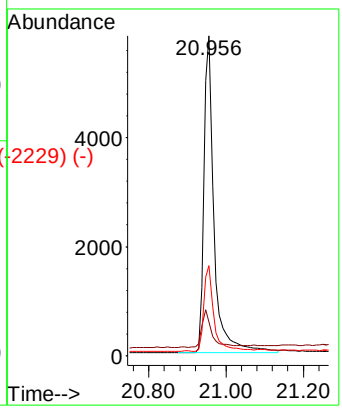


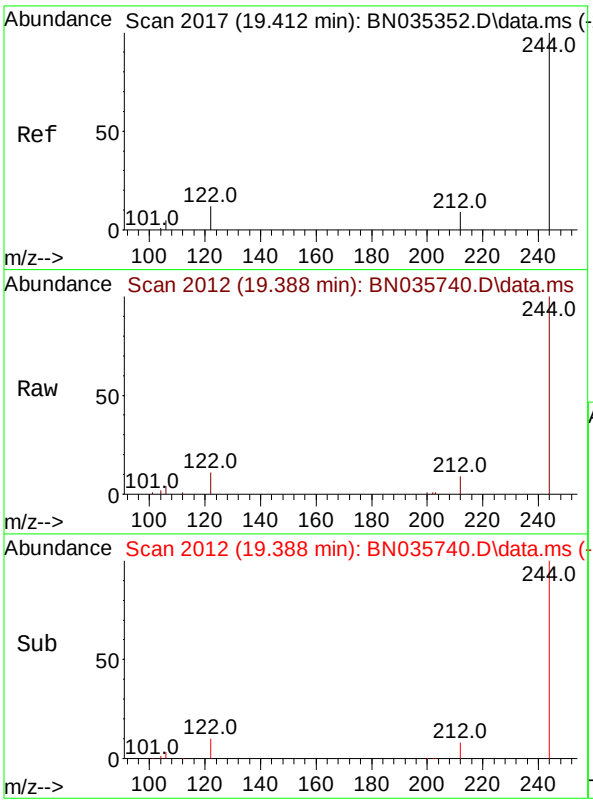
Chrysene-d12
Concen: 0.400 ng
RT: 20.956 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035740.D
Acq: 20 Dec 2024 14:05

Instrument :
BNA_N
ClientSampleId :
RE120D3-20241210

Tgt Ion:240 Resp: 10498

Ion	Ratio	Lower	Upper
240	100		
120	10.6	7.9	11.9
236	28.2	22.9	34.3

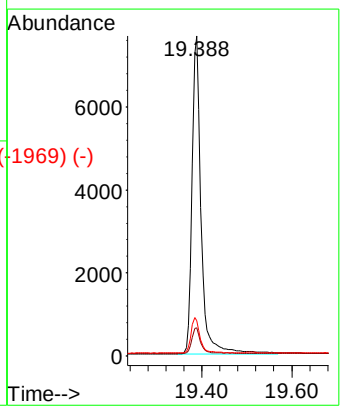


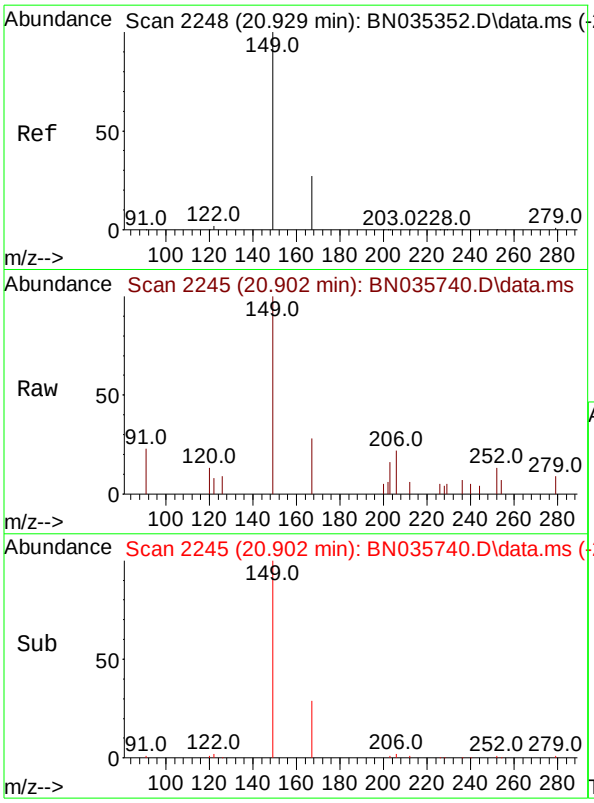


Terphenyl-d14
Concen: 0.520 ng
RT: 19.388 min Scan# 2012
Delta R.T. -0.000 min
Lab File: BN035740.D
Acq: 20 Dec 2024 14:05

Tgt Ion:244 Resp: 10774

Ion	Ratio	Lower	Upper
244	100		
212	8.8	8.1	12.1
122	11.0	10.3	15.5



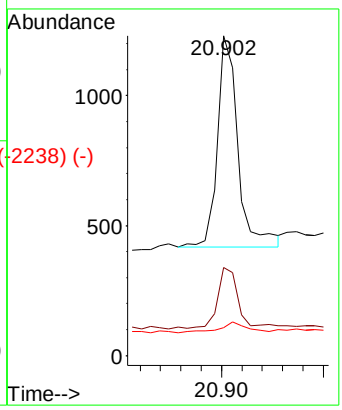


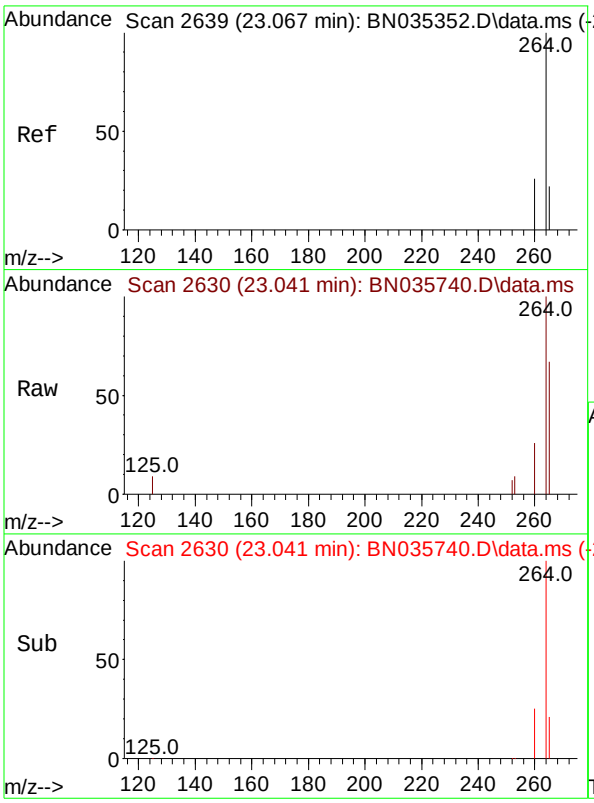
#224
Bis(2-ethylhexyl)phthalate
Concen: 0.079 ng
RT: 20.902 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN035740.D
Acq: 20 Dec 2024 14:05

Instrument :
BNA_N
ClientSampleId :
RE120D3-20241210

Tgt Ion:149 Resp: 1150

Ion	Ratio	Lower	Upper
149	100		
167	27.7	22.2	33.4
279	7.0	2.7	4.1#

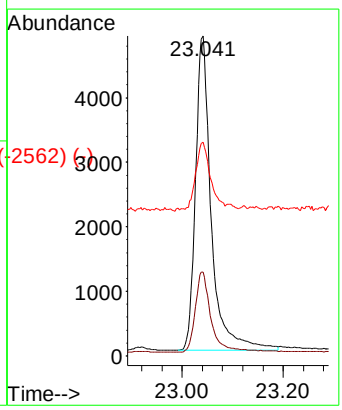




#635
Perylene-d12
Concen: 0.400 ng
RT: 23.041 min Scan# 2630
Delta R.T. -0.000 min
Lab File: BN035740.D
Acq: 20 Dec 2024 14:05

Tgt Ion:264 Resp: 10600

Ion	Ratio	Lower	Upper
264	100		
260	26.1	21.4	32.2
265	66.8	40.2	60.4#



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035741.D
Acq On : 20 Dec 2024 14:41
Operator : RC/JU
Sample : P5261-20
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DUP-02-20241210

Quant Time: Dec 20 17:12:51 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

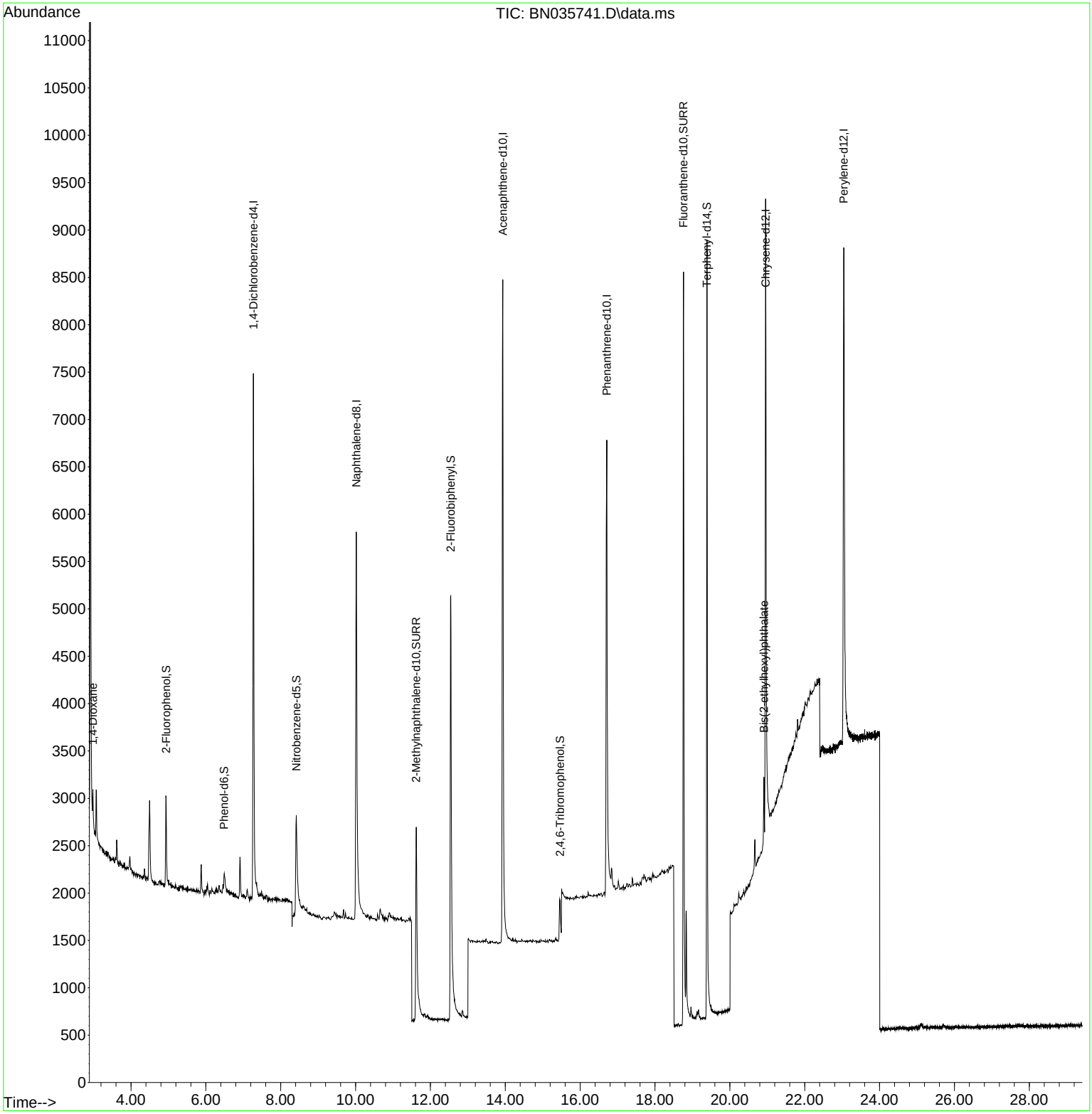
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.272	152	3123	0.400	ng	0.00
7) Naphthalene-d8	10.020	136	8011	0.400	ng	0.00
13) Acenaphthene-d10	13.935	164	5188	0.400	ng	0.00
19) Phenanthrene-d10	16.711	188	9843	0.400	ng	# 0.01
29) Chrysene-d12	20.956	240	8577	0.400	ng	# 0.00
35) Perylene-d12	23.044	264	8598	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.939	112	917	0.117	ng	0.00
5) Phenol-d6	6.492	99	485	0.052	ng	0.00
8) Nitrobenzene-d5	8.418	82	2100	0.429	ng	0.01
11) 2-Methylnaphthalene-d10	11.621	152	4660	0.372	ng	0.00
14) 2,4,6-Tribromophenol	15.464	330	665	0.181	ng	0.01
15) 2-Fluorobiphenyl	12.544	172	6801	0.347	ng	0.00
27) Fluoranthene-d10	18.761	212	11511	0.413	ng	0.00
31) Terphenyl-d14	19.388	244	9778	0.578	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.982	88	290	0.097	ng	# 78
34) Bis(2-ethylhexyl)phtha...	20.911	149	775	0.065	ng	# 94

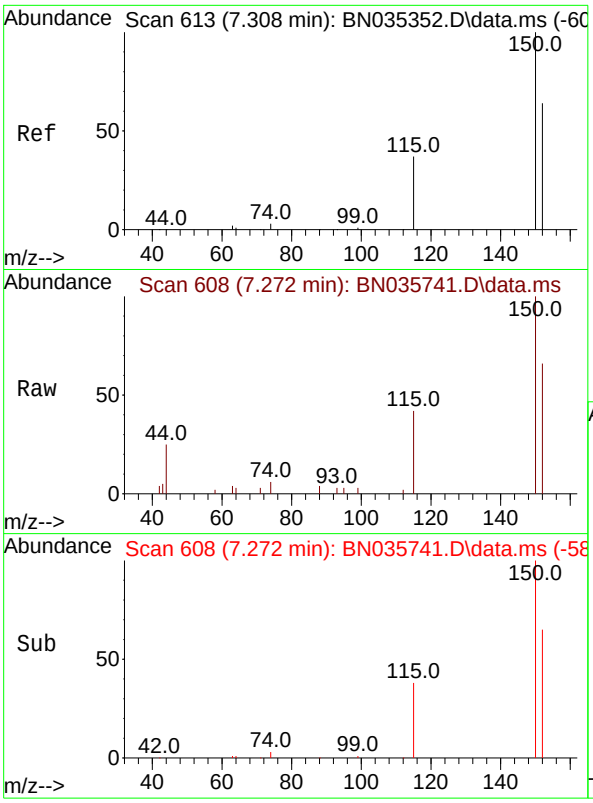
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035741.D
Acq On : 20 Dec 2024 14:41
Operator : RC/JU
Sample : P5261-20
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DUP-02-20241210

Quant Time: Dec 20 17:12:51 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration



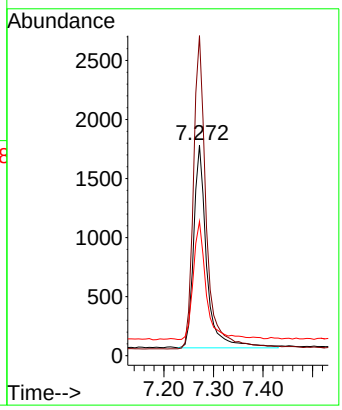


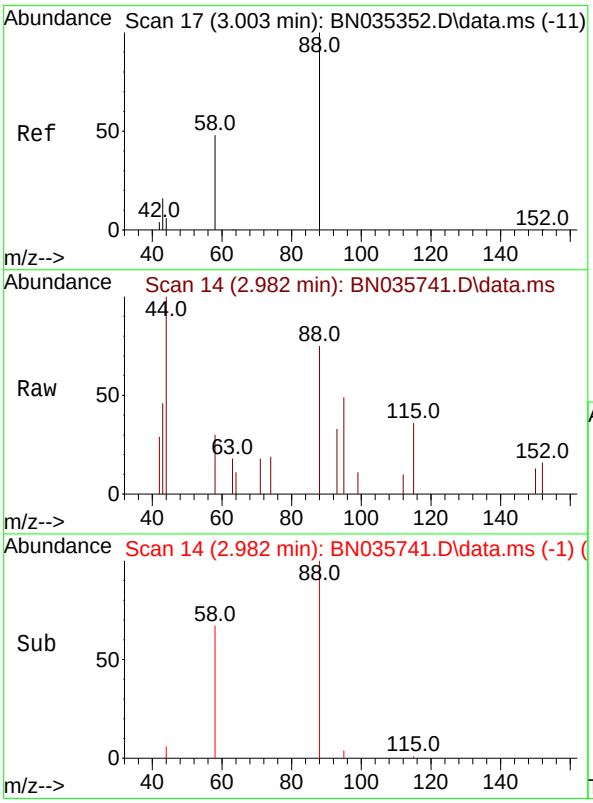
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.272 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN035741.D
Acq: 20 Dec 2024 14:41

Instrument :
BNA_N
ClientSampleId :
DUP-02-20241210

Tgt Ion:152 Resp: 3123

Ion	Ratio	Lower	Upper
152	100		
150	152.1	124.0	186.0
115	63.8	49.6	74.4

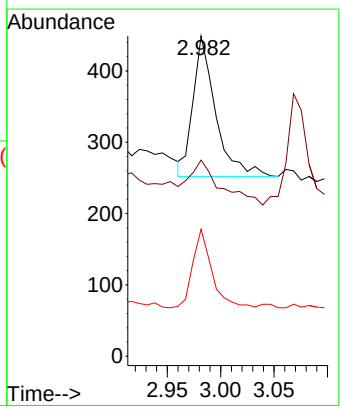


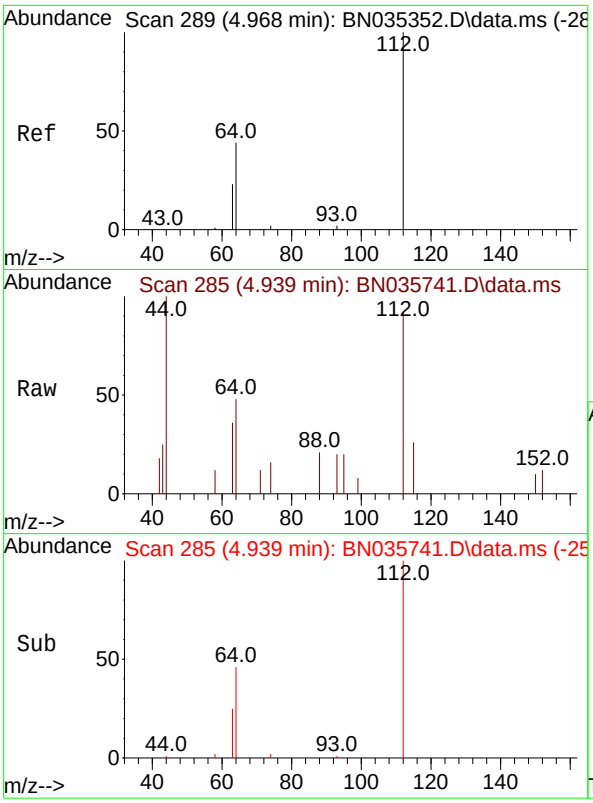


#2
1,4-Dioxane
Concen: 0.097 ng
RT: 2.982 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035741.D
Acq: 20 Dec 2024 14:41

Tgt Ion: 88 Resp: 290

Ion	Ratio	Lower	Upper
88	100		
43	44.5	17.2	25.8#
58	47.2	44.5	66.7



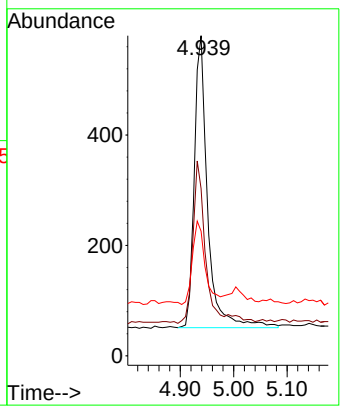


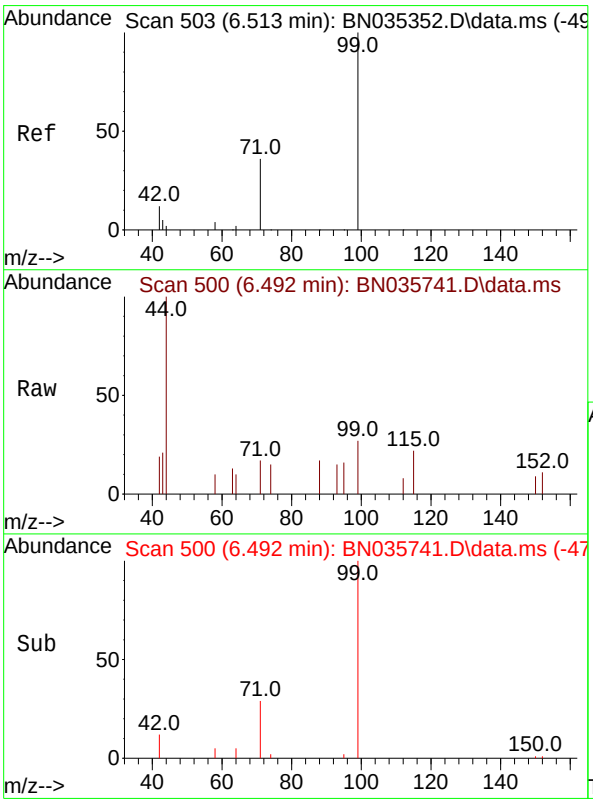
#4
2-Fluorophenol
Concen: 0.117 ng
RT: 4.939 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035741.D
Acq: 20 Dec 2024 14:41

Instrument :
BNA_N
ClientSampleId :
DUP-02-20241210

Tgt Ion:112 Resp: 917

Ion	Ratio	Lower	Upper
112	100		
64	50.1	39.8	59.8
63	27.5	21.0	31.6

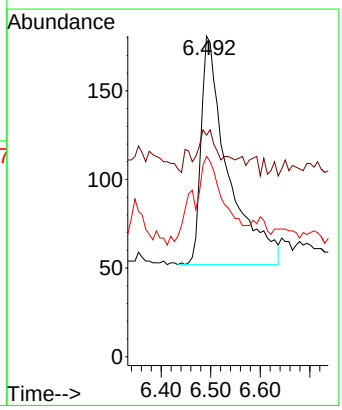


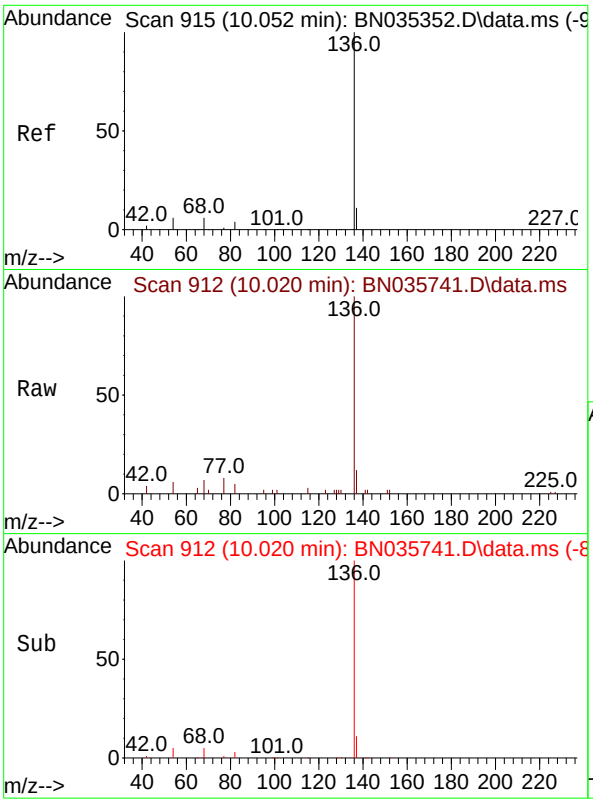


#5
Phenol-d6
Concen: 0.052 ng
RT: 6.492 min Scan# 500
Delta R.T. -0.000 min
Lab File: BN035741.D
Acq: 20 Dec 2024 14:41

Tgt Ion: 99 Resp: 485

Ion	Ratio	Lower	Upper
99	100		
42	9.1	11.4	17.2#
71	28.5	29.3	43.9#



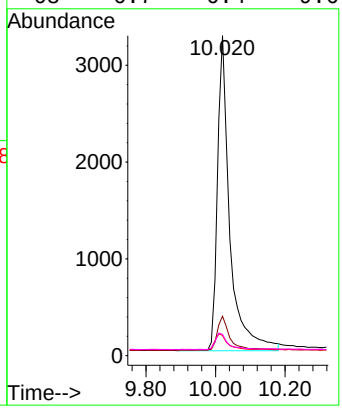


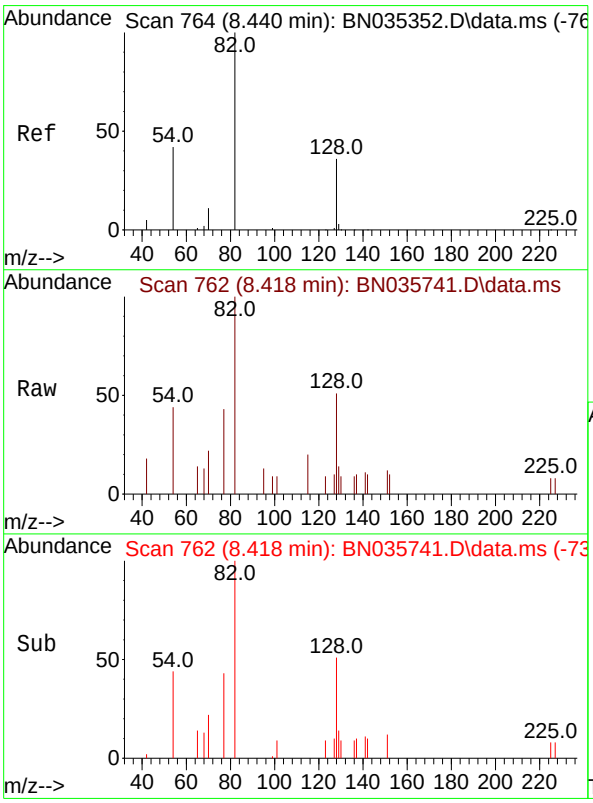
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.020 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN035741.D
Acq: 20 Dec 2024 14:41

Instrument :
BNA_N
ClientSampleId :
DUP-02-20241210

Tgt Ion:136 Resp: 8011

Ion	Ratio	Lower	Upper
136	100		
137	12.3	10.2	15.2
54	6.3	6.1	9.1
68	6.7	6.4	9.6

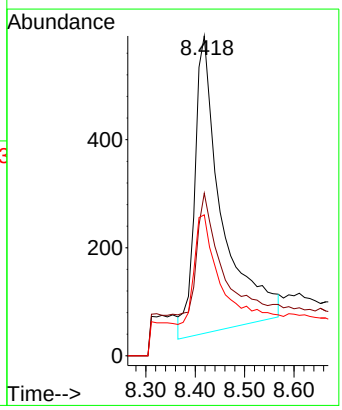


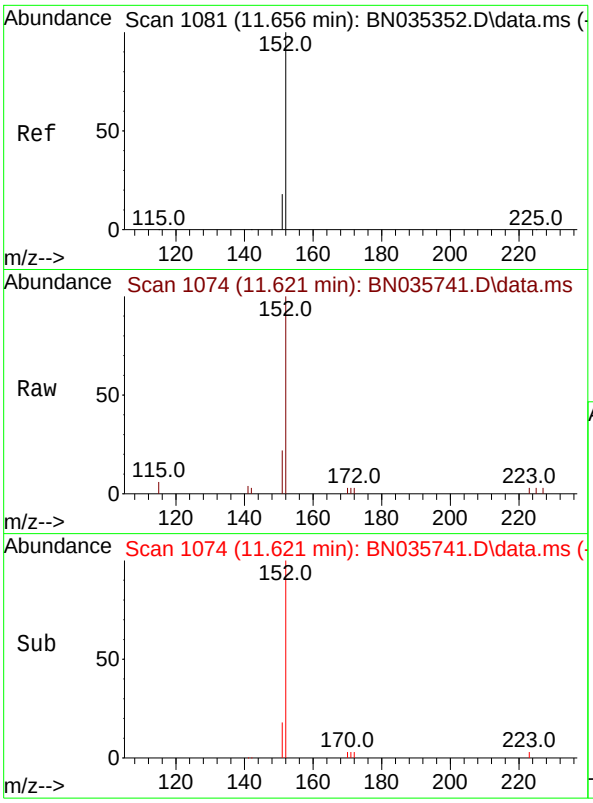


#8
Nitrobenzene-d5
Concen: 0.429 ng
RT: 8.418 min Scan# 762
Delta R.T. 0.011 min
Lab File: BN035741.D
Acq: 20 Dec 2024 14:41

Tgt Ion: 82 Resp: 2100

Ion	Ratio	Lower	Upper
82	100		
128	50.8	33.4	50.0#
54	44.1	36.7	55.1



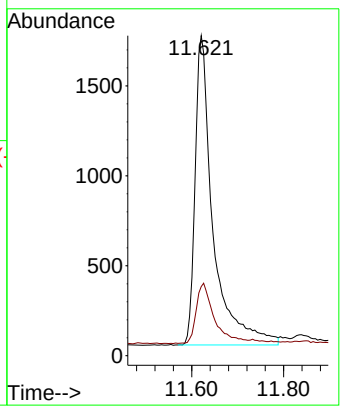


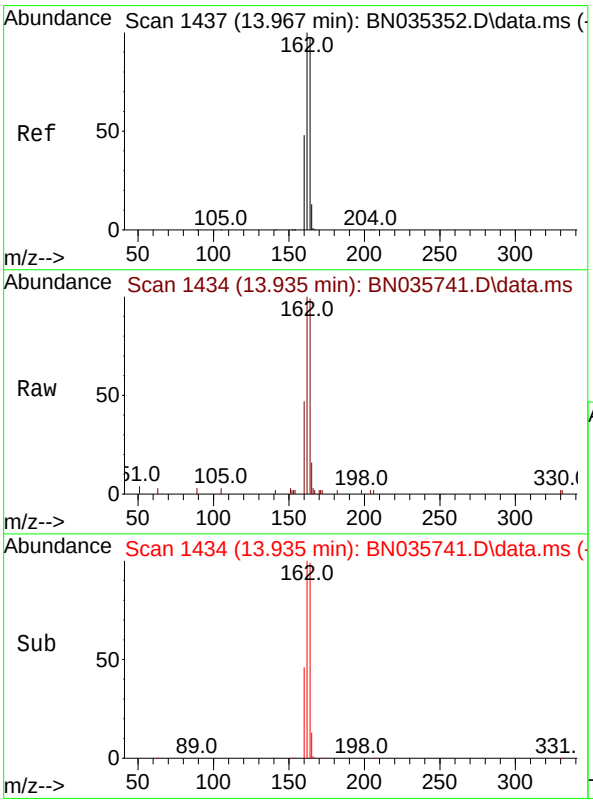
#11
2-Methylnaphthalene-d10
Concen: 0.372 ng
RT: 11.621 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035741.D
Acq: 20 Dec 2024 14:41

Instrument :
BNA_N
ClientSampleId :
DUP-02-20241210

Tgt Ion:152 Resp: 4660

Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.6	25.0

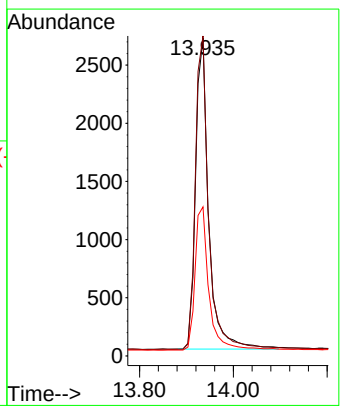


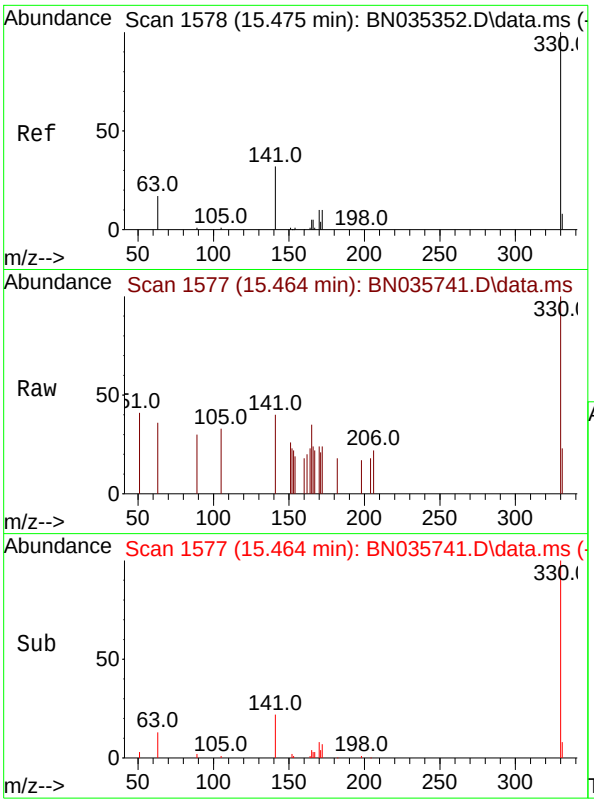


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.935 min Scan# 1434
Delta R.T. -0.000 min
Lab File: BN035741.D
Acq: 20 Dec 2024 14:41

Tgt Ion:164 Resp: 5188

Ion	Ratio	Lower	Upper
164	100		
162	100.7	82.2	123.2
160	46.9	40.1	60.1



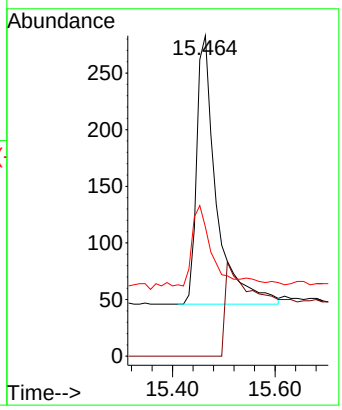


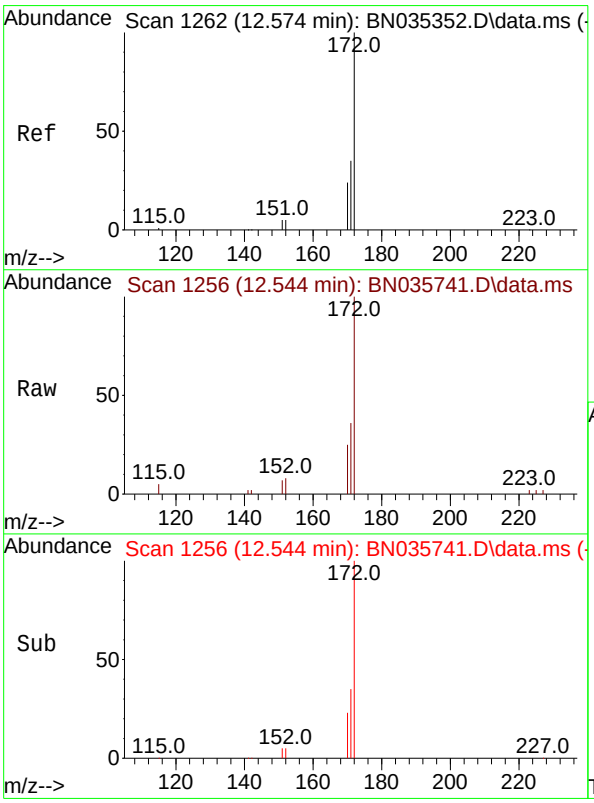
#14
2,4,6-Tribromophenol
Concen: 0.181 ng
RT: 15.464 min Scan# 1
Delta R.T. 0.011 min
Lab File: BN035741.D
Acq: 20 Dec 2024 14:41

Instrument :
BNA_N
ClientSampleId :
DUP-02-20241210

Tgt Ion:330 Resp: 665

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	32.8	26.6	40.0

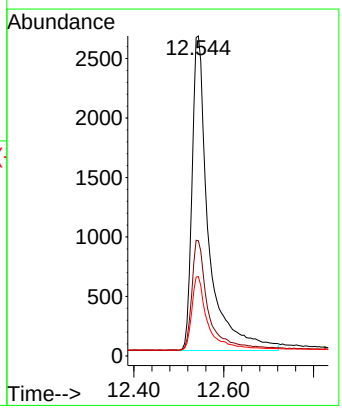


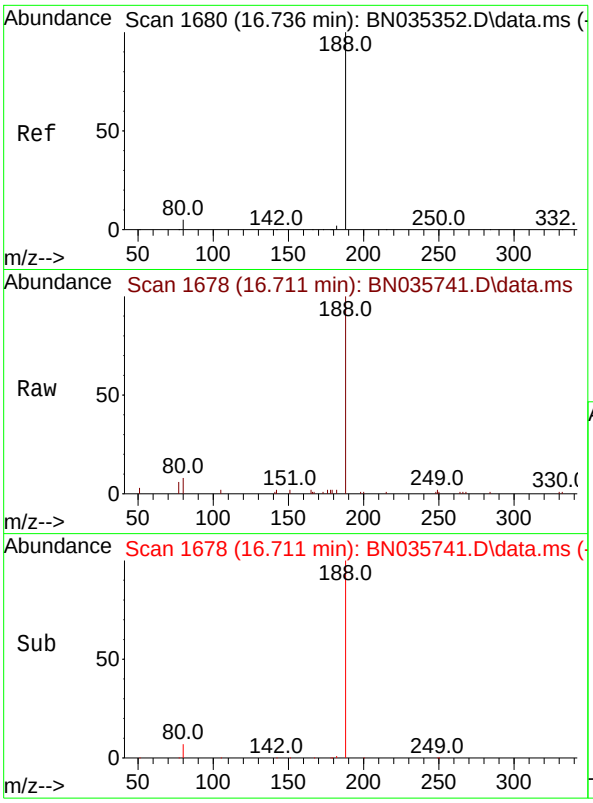


#15
2-Fluorobiphenyl
Concen: 0.347 ng
RT: 12.544 min Scan# 1256
Delta R.T. -0.000 min
Lab File: BN035741.D
Acq: 20 Dec 2024 14:41

Tgt Ion:172 Resp: 6801

Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.0	43.4
170	24.8	19.8	29.8



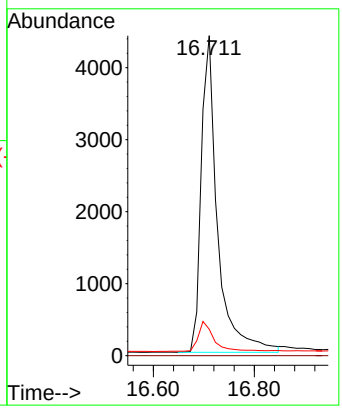


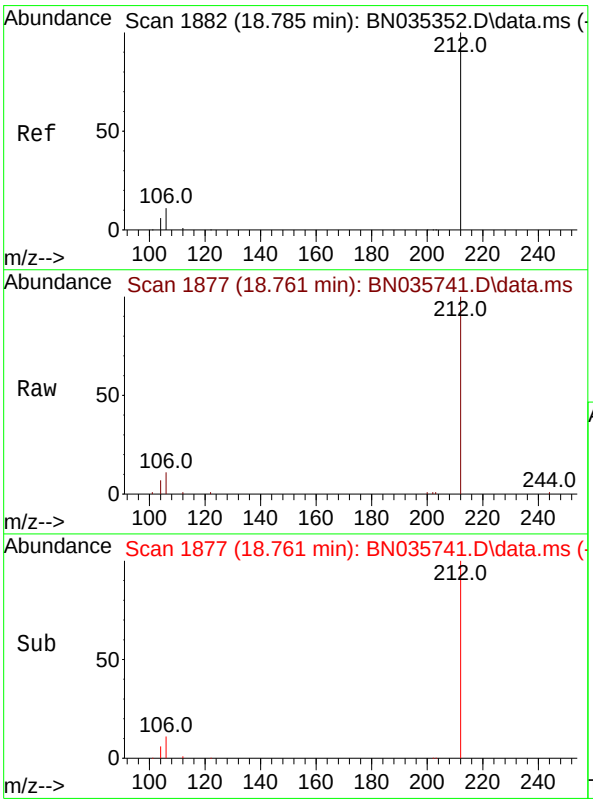
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.711 min Scan# 1(
Delta R.T. 0.012 min
Lab File: BN035741.D
Acq: 20 Dec 2024 14:41

Instrument :
BNA_N
ClientSampleId :
DUP-02-20241210

Tgt Ion:188 Resp: 9843

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.2	4.6	6.8#

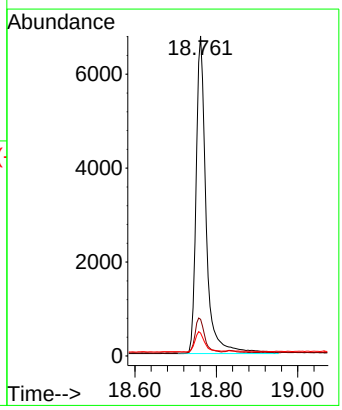


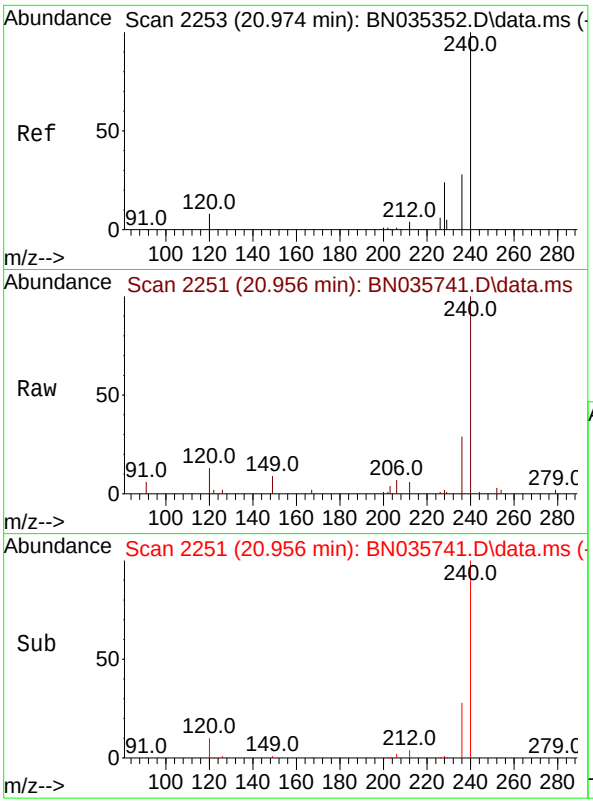


#27
Fluoranthene-d10
Concen: 0.413 ng
RT: 18.761 min Scan# 1877
Delta R.T. -0.000 min
Lab File: BN035741.D
Acq: 20 Dec 2024 14:41

Tgt Ion:212 Resp: 11511

Ion	Ratio	Lower	Upper
212	100		
106	10.8	9.2	13.8
104	6.1	5.3	7.9



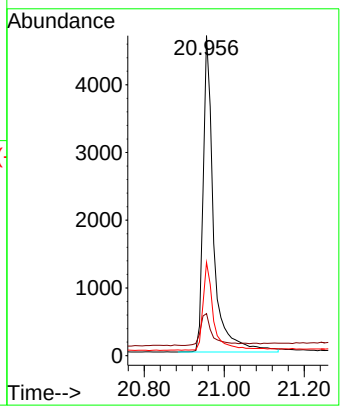


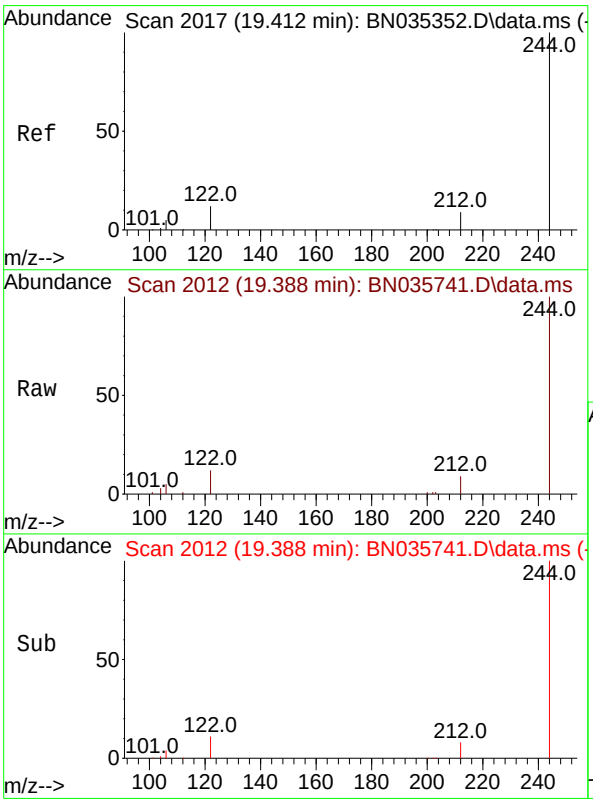
#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.956 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035741.D
Acq: 20 Dec 2024 14:41

Instrument :
BNA_N
ClientSampleId :
DUP-02-20241210

Tgt Ion:240 Resp: 8577

Ion	Ratio	Lower	Upper
240	100		
120	13.1	7.9	11.9#
236	29.1	22.9	34.3

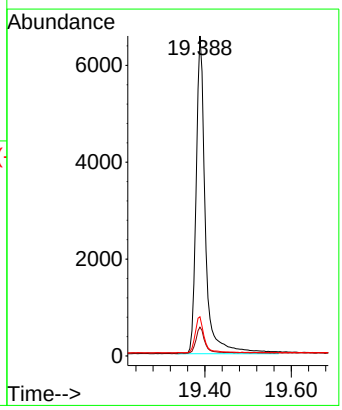


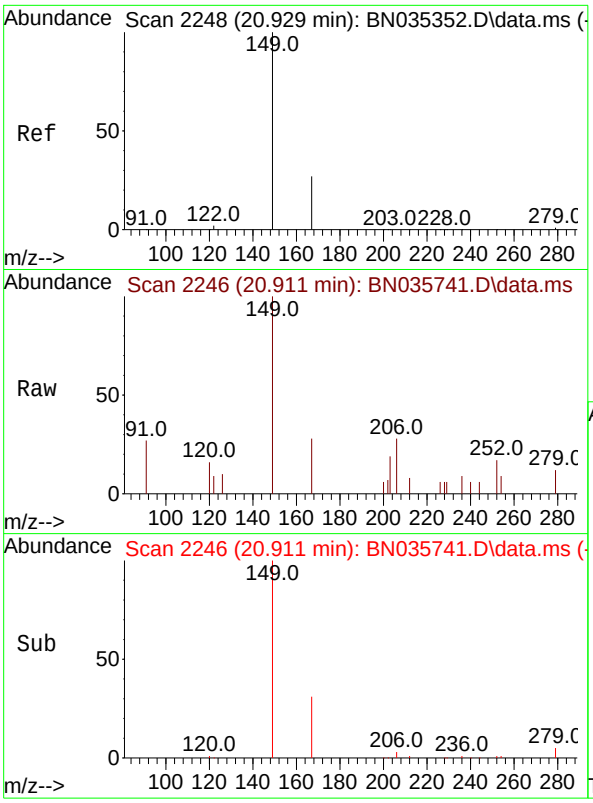


#31
Terphenyl-d14
Concen: 0.578 ng
RT: 19.388 min Scan# 2012
Delta R.T. -0.000 min
Lab File: BN035741.D
Acq: 20 Dec 2024 14:41

Tgt Ion:244 Resp: 9778

Ion	Ratio	Lower	Upper
244	100		
212	9.0	8.1	12.1
122	12.3	10.3	15.5



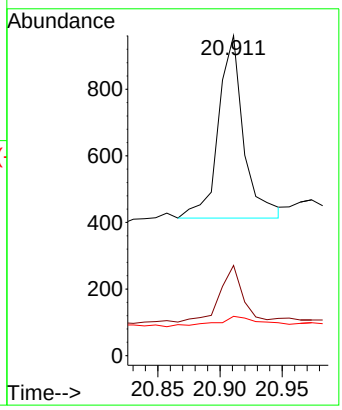


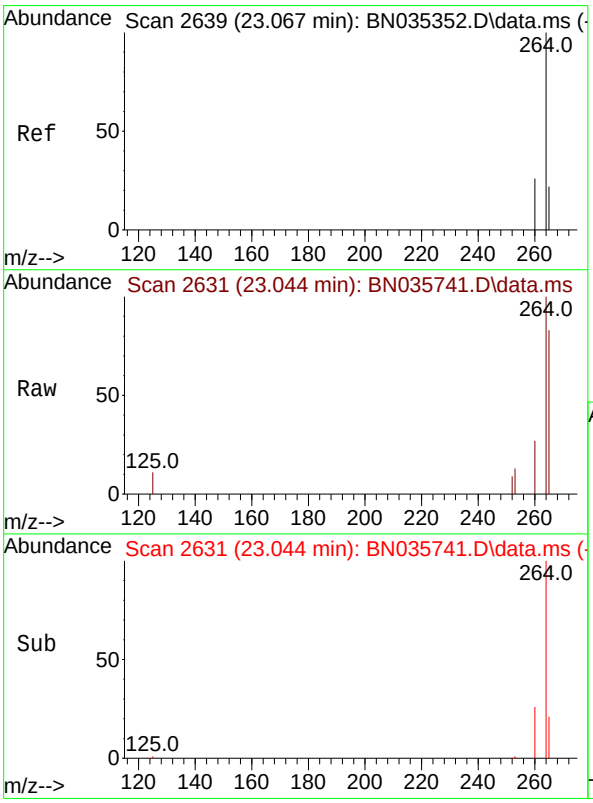
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.065 ng
RT: 20.911 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035741.D
Acq: 20 Dec 2024 14:41

Instrument :
BNA_N
ClientSampleId :
DUP-02-20241210

Tgt Ion:149 Resp: 775

Ion	Ratio	Lower	Upper
149	100		
167	29.8	22.2	33.4
279	10.3	2.7	4.1#

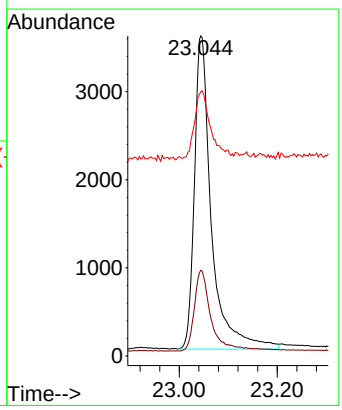




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.044 min Scan# 2631
Delta R.T. 0.003 min
Lab File: BN035741.D
Acq: 20 Dec 2024 14:41

Tgt Ion:264 Resp: 8598

Ion	Ratio	Lower	Upper
264	100		
260	26.7	21.4	32.2
265	82.6	40.2	60.4#



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035747.D
Acq On : 20 Dec 2024 18:18
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Quant Time: Dec 21 01:42:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

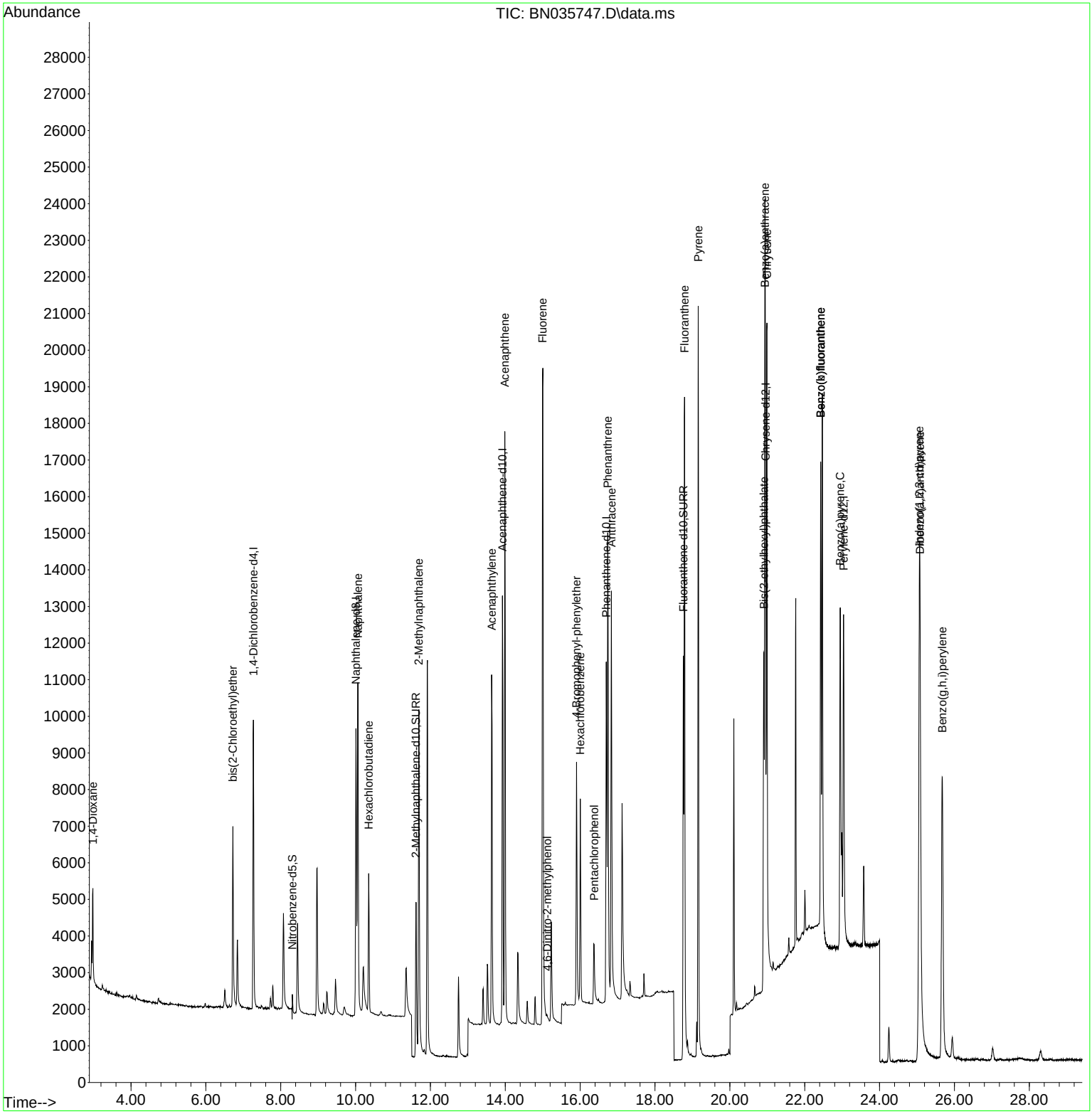
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.272	152	4145	0.400	ng		0.00
7) Naphthalene-d8	10.009	136	11402	0.400	ng		-0.01
13) Acenaphthene-d10	13.924	164	7019	0.400	ng		-0.01
19) Phenanthrene-d10	16.698	188	13951	0.400	ng	#	0.00
29) Chrysene-d12	20.956	240	11878	0.400	ng		0.00
35) Perylene-d12	23.038	264	12200	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	4.924	112	10	0.001	ng		-0.01
5) Phenol-d6	6.484	99	102	0.008	ng		0.00
8) Nitrobenzene-d5	8.312	82	427	0.061	ng		-0.10
11) 2-Methylnaphthalene-d10	11.616	152	7049	0.395	ng		0.00
14) 2,4,6-Tribromophenol	15.443	330	9	0.002	ng		-0.01
15) 2-Fluorobiphenyl	12.544	172	12	0.000	ng		0.00
27) Fluoranthene-d10	18.757	212	14421	0.365	ng		0.00
31) Terphenyl-d14	19.393	244	35	0.001	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.982	88	1859	0.469	ng		99
6) bis(2-Chloroethyl)ether	6.723	93	4332	0.413	ng		98
9) Naphthalene	10.063	128	12423	0.413	ng		99
10) Hexachlorobutadiene	10.351	225	3142	0.453	ng	#	99
12) 2-Methylnaphthalene	11.692	142	8345	0.388	ng		99
16) Acenaphthylene	13.636	152	11936	0.405	ng		100
17) Acenaphthene	13.989	154	8162	0.417	ng		98
18) Fluorene	14.993	166	10307	0.368	ng		99
20) 4,6-Dinitro-2-methylph...	15.122	198	168	0.122	ng	#	3
21) 4-Bromophenyl-phenylether	15.904	248	3188	0.391	ng	#	83
22) Hexachlorobenzene	16.003	284	4408	0.460	ng		97
24) Pentachlorophenol	16.376	266	1329	0.319	ng		86
25) Phenanthrene	16.735	178	15452	0.403	ng		100
26) Anthracene	16.835	178	14156	0.408	ng		99
28) Fluoranthene	18.789	202	18255	0.353	ng		100
30) Pyrene	19.156	202	19874	0.453	ng		100
32) Benzo(a)anthracene	20.938	228	16354	0.394	ng		99
33) Chrysene	20.991	228	18340	0.428	ng		98
34) Bis(2-ethylhexyl)phtha...	20.911	149	7490	0.456	ng		98
36) Indeno(1,2,3-cd)pyrene	25.061	276	21102	0.442	ng		99
37) Benzo(b)fluoranthene	22.427	252	21982	0.493	ng		99
38) Benzo(k)fluoranthene	22.427	252	21982	0.500	ng		99
39) Benzo(a)pyrene	22.947	252	15636	0.425	ng		98
40) Dibenzo(a,h)anthracene	25.082	278	15847	0.421	ng		98
41) Benzo(g,h,i)perylene	25.675	276	16995	0.432	ng		98

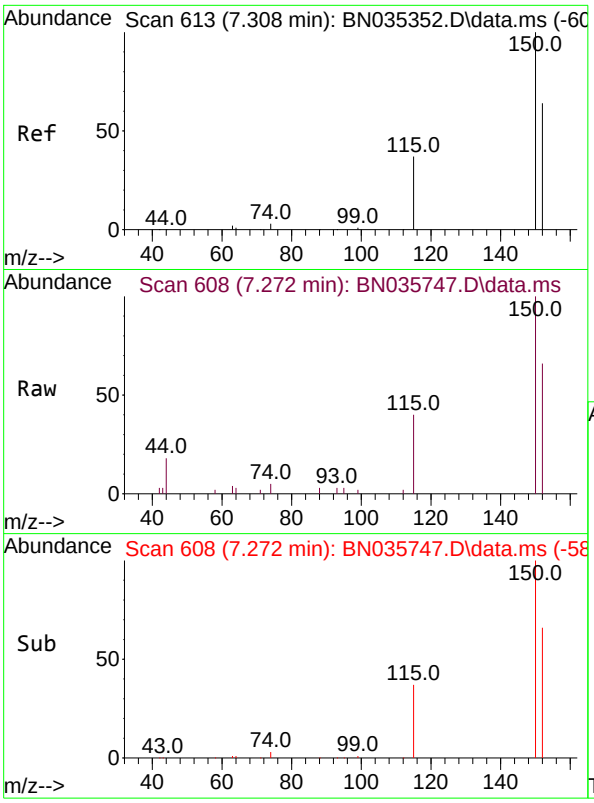
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035747.D
Acq On : 20 Dec 2024 18:18
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Quant Time: Dec 21 01:42:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration



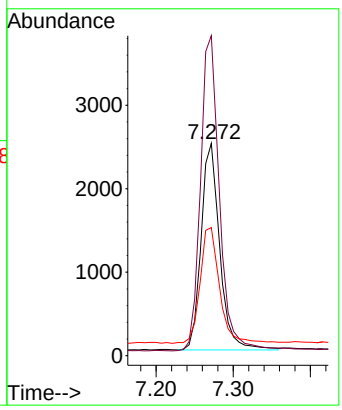


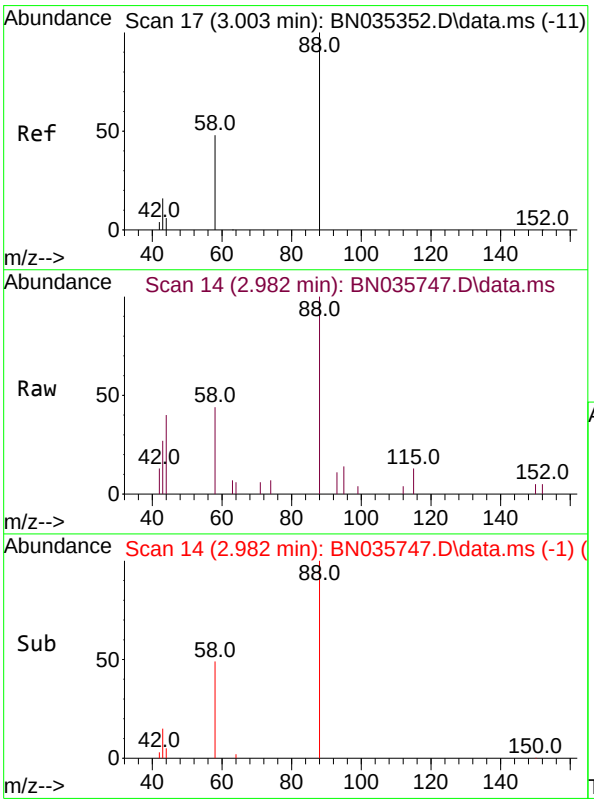
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.272 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 4145

Ion	Ratio	Lower	Upper
152	100		
150	150.8	124.0	186.0
115	60.4	49.6	74.4

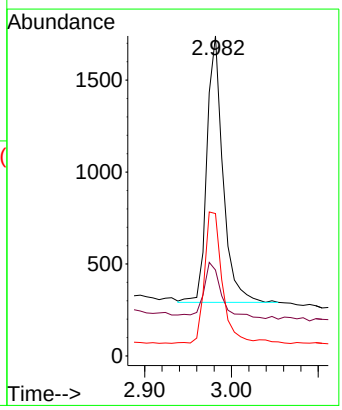


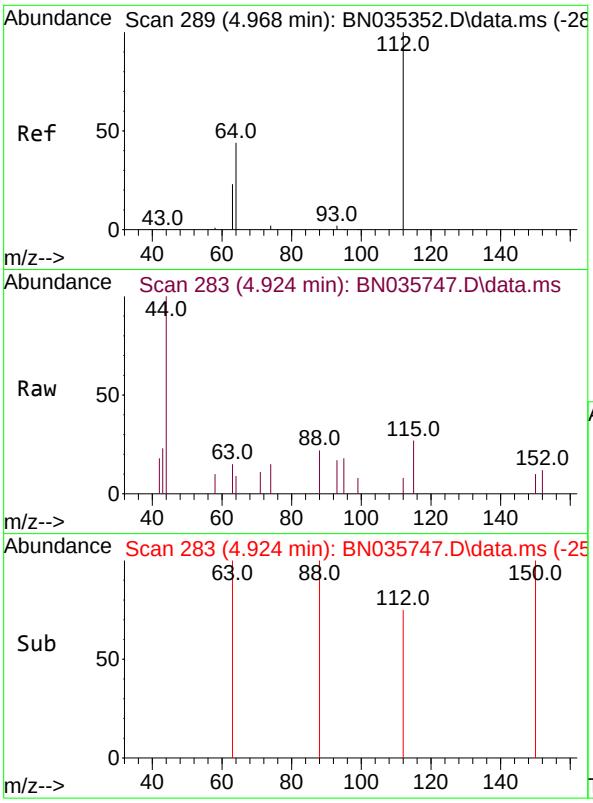


#2
1,4-Dioxane
Concen: 0.469 ng
RT: 2.982 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Tgt Ion: 88 Resp: 1859

Ion	Ratio	Lower	Upper
88	100		
43	23.8	17.2	25.8
58	55.6	44.5	66.7



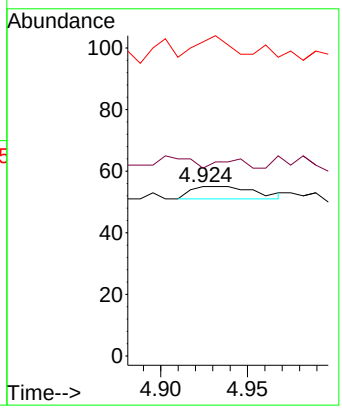


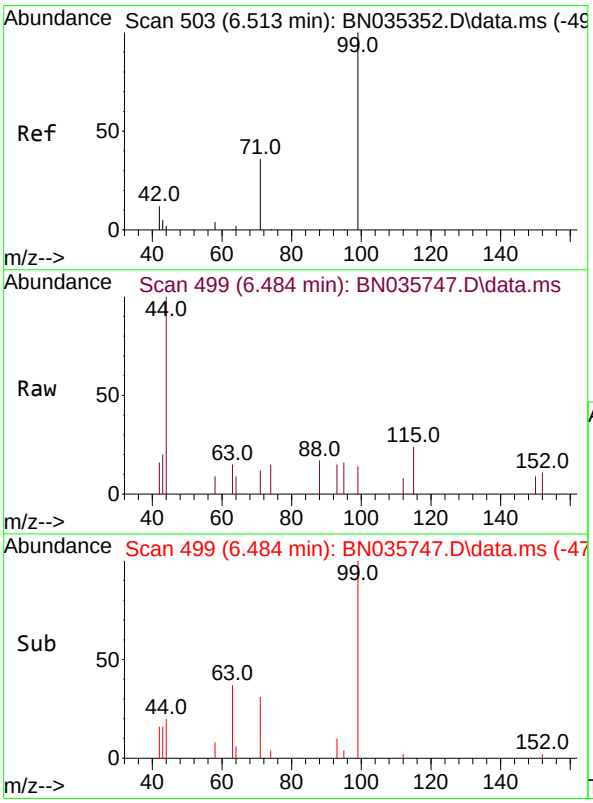
#4
2-Fluorophenol
Concen: 0.001 ng
RT: 4.924 min Scan# 2
Delta R.T. -0.015 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:112 Resp: 10

Ion	Ratio	Lower	Upper
112	100		
64	0.0	39.8	59.8#
63	140.0	21.0	31.6#

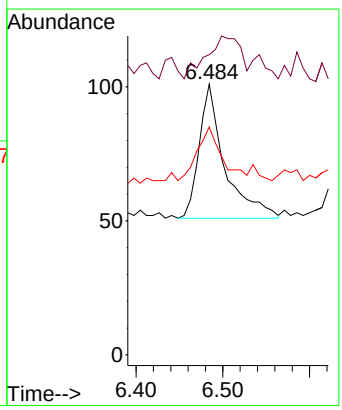


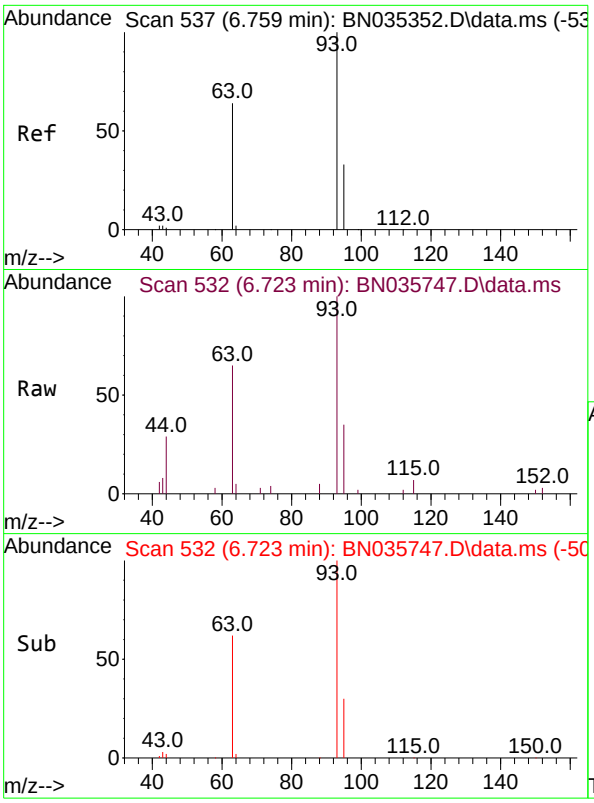


#5
Phenol-d6
Concen: 0.008 ng
RT: 6.484 min Scan# 499
Delta R.T. -0.007 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Tgt Ion: 99 Resp: 102

Ion	Ratio	Lower	Upper
99	100		
42	42.2	11.4	17.2#
71	39.2	29.3	43.9



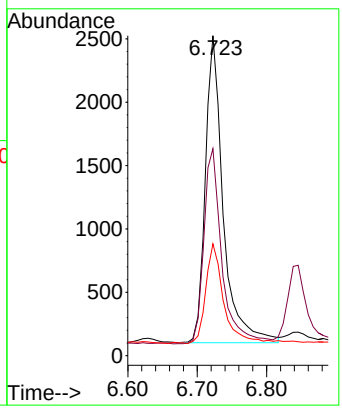


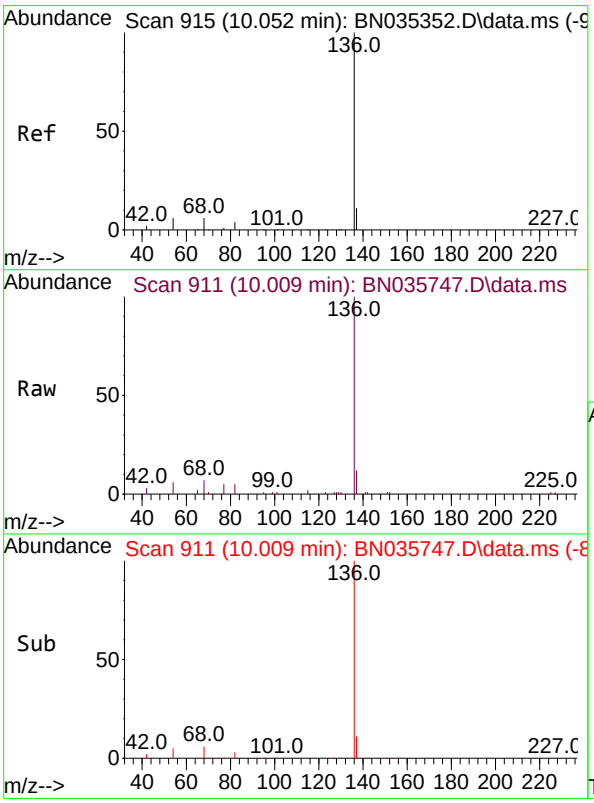
#6
bis(2-Chloroethyl)ether
Concen: 0.413 ng
RT: 6.723 min Scan# 5
Delta R.T. -0.007 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 93 Resp: 4332

Ion	Ratio	Lower	Upper
93	100		
63	64.4	50.4	75.6
95	33.6	25.7	38.5

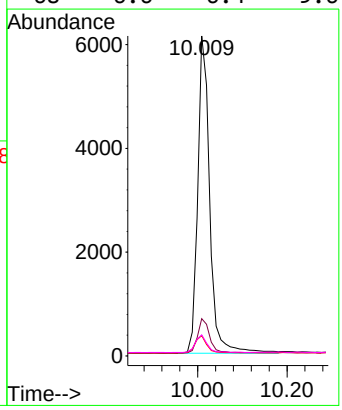


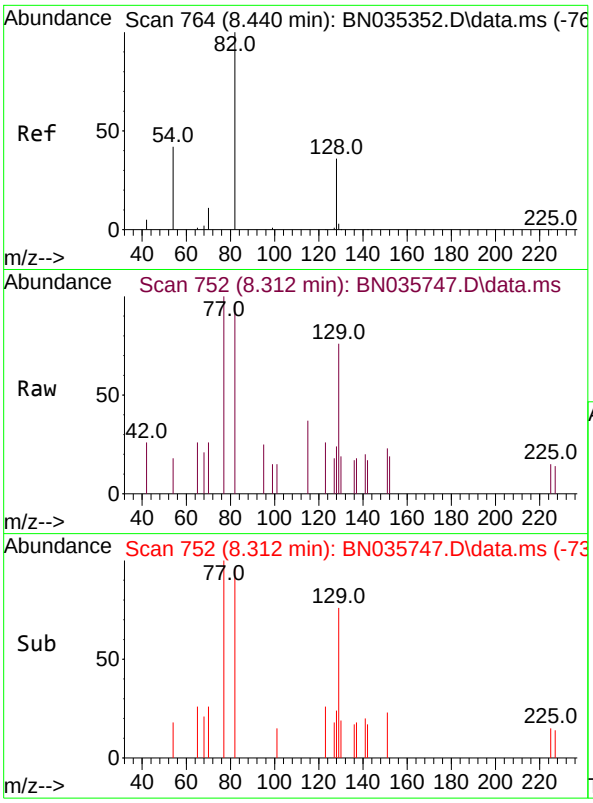


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.009 min Scan# 911
Delta R.T. -0.011 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Tgt Ion:136 Resp: 11402

Ion	Ratio	Lower	Upper
136	100		
137	11.7	10.2	15.2
54	6.3	6.1	9.1
68	6.6	6.4	9.6



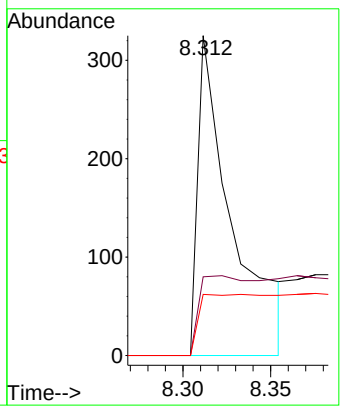


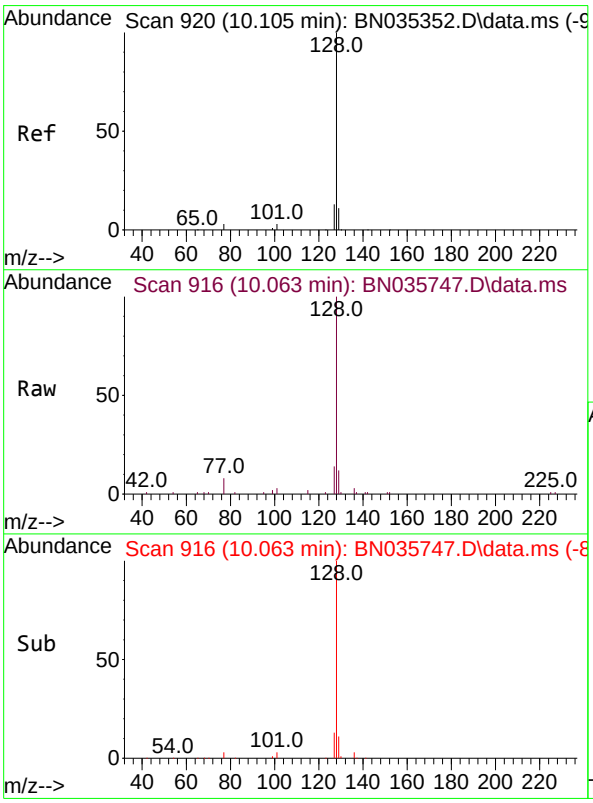
#8
Nitrobenzene-d5
Concen: 0.061 ng
RT: 8.312 min Scan# 7
Delta R.T. -0.096 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 82 Resp: 427

Ion	Ratio	Lower	Upper
82	100		
128	24.6	33.4	50.0#
54	19.1	36.7	55.1#

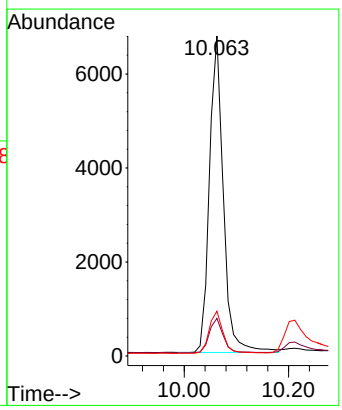


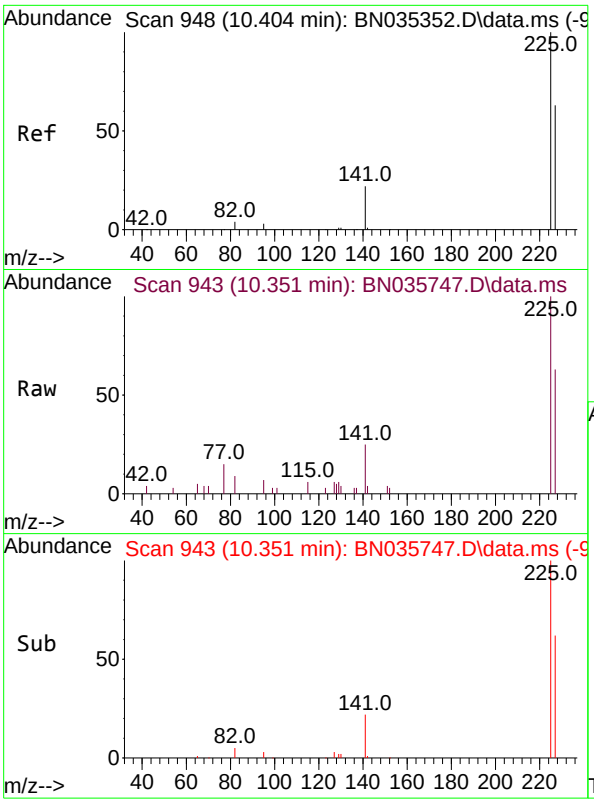


#9
Naphthalene
Concen: 0.413 ng
RT: 10.063 min Scan# 916
Delta R.T. -0.000 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Tgt Ion:128 Resp: 12423

Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.8	14.6
127	14.0	11.4	17.2



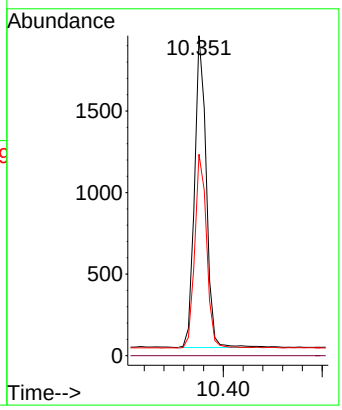


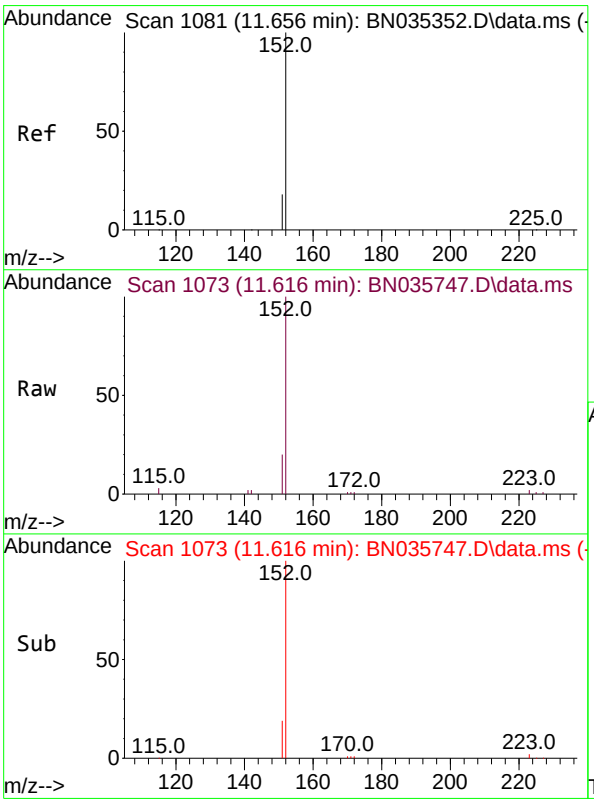
#10
Hexachlorobutadiene
Concen: 0.453 ng
RT: 10.351 min Scan# 9
Delta R.T. -0.011 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:225 Resp: 3142

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.3	51.3	76.9

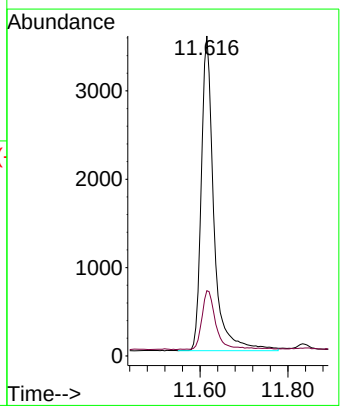


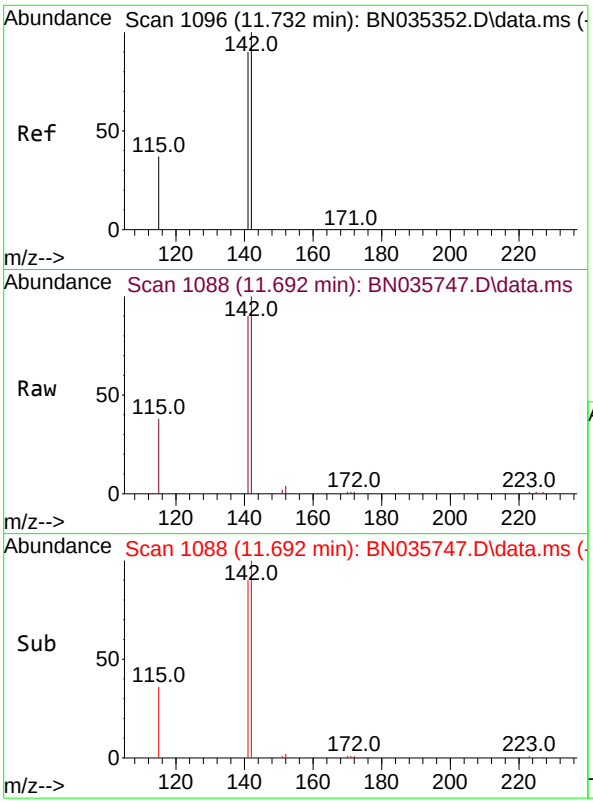


#11
2-Methylnaphthalene-d10
Concen: 0.395 ng
RT: 11.616 min Scan# 1073
Delta R.T. -0.005 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Tgt Ion:152 Resp: 7049

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.6	25.0



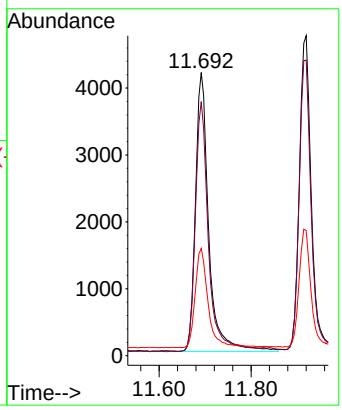


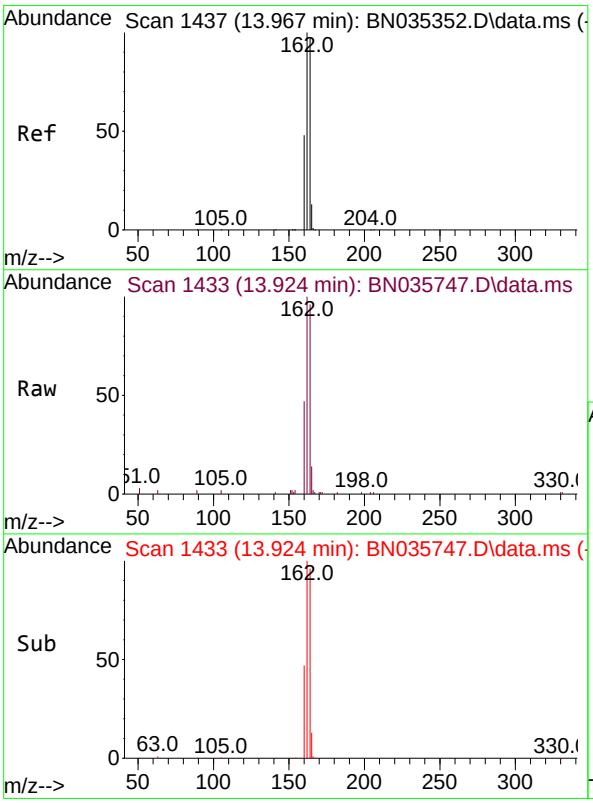
#12
2-Methylnaphthalene
Concen: 0.388 ng
RT: 11.692 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:142 Resp: 8345

Ion	Ratio	Lower	Upper
142	100		
141	89.7	72.2	108.4
115	37.9	31.4	47.0

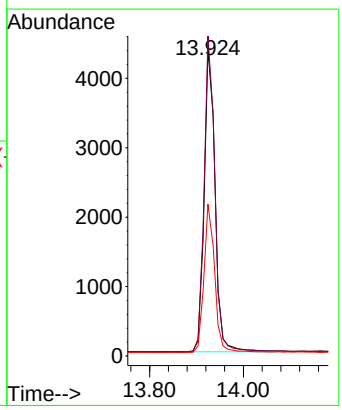


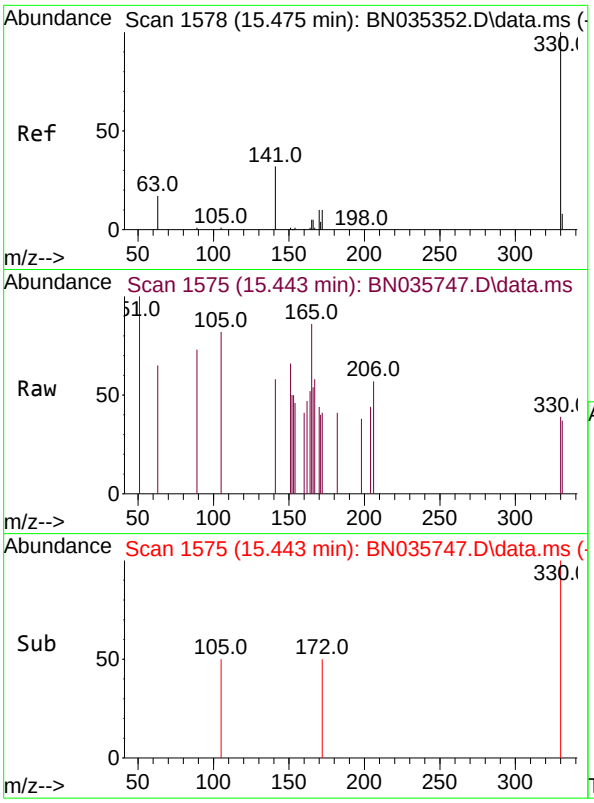


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.924 min Scan# 1433
Delta R.T. -0.011 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Tgt Ion:164 Resp: 7019

Ion	Ratio	Lower	Upper
164	100		
162	104.5	82.2	123.2
160	49.5	40.1	60.1



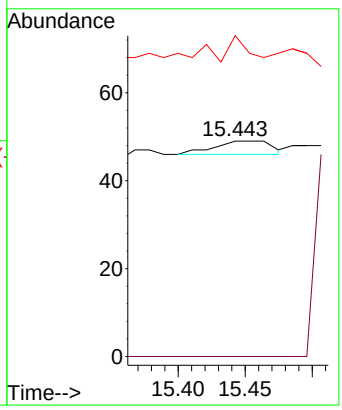


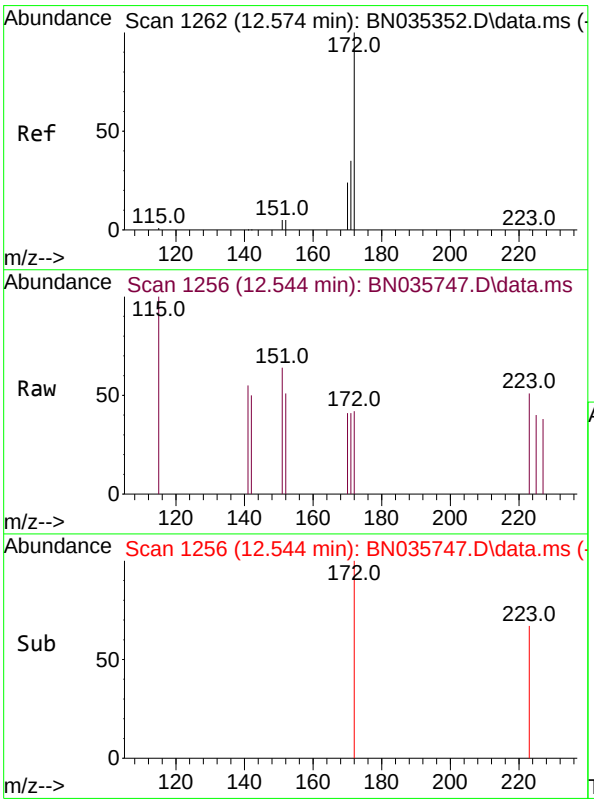
#14
2,4,6-Tribromophenol
Concen: 0.002 ng
RT: 15.443 min Scan# 1
Delta R.T. -0.011 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:330 Resp: 9

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	77.8	26.6	40.0#

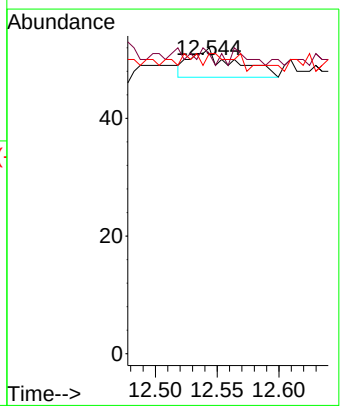


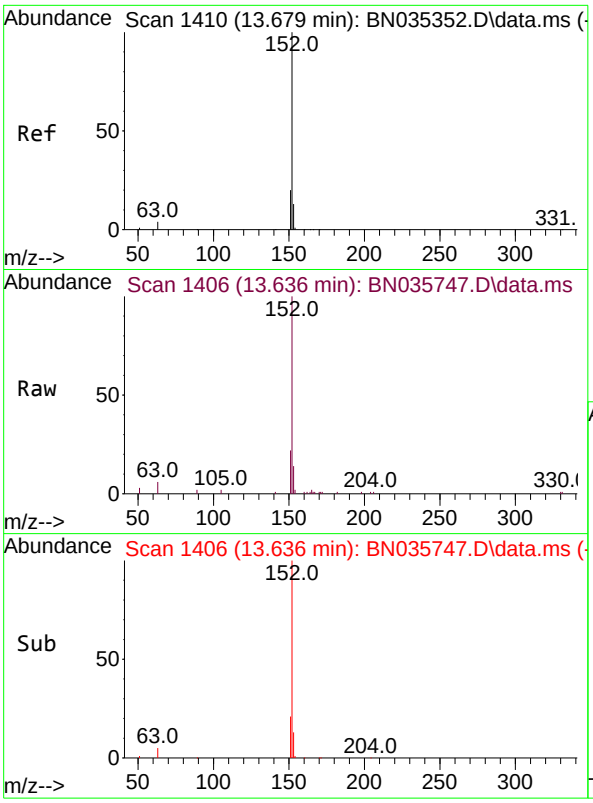


#15
2-Fluorobiphenyl
Concen: 0.000 ng
RT: 12.544 min Scan# 1256
Delta R.T. -0.000 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Tgt Ion:172 Resp: 12

Ion	Ratio	Lower	Upper
172	100		
171	98.1	29.0	43.4#
170	98.1	19.8	29.8#



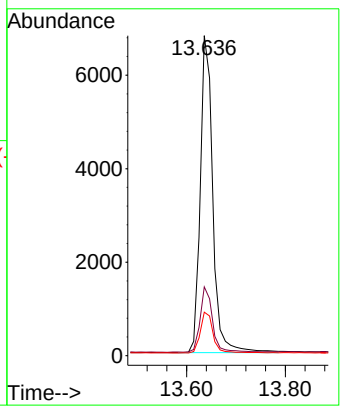


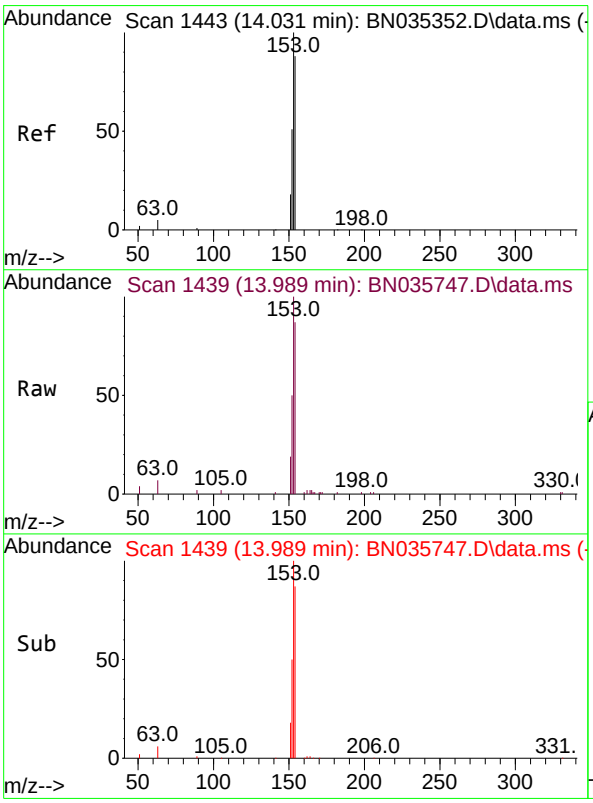
#16
Acenaphthylene
Concen: 0.405 ng
RT: 13.636 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 11936

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.2
153	13.1	10.4	15.6

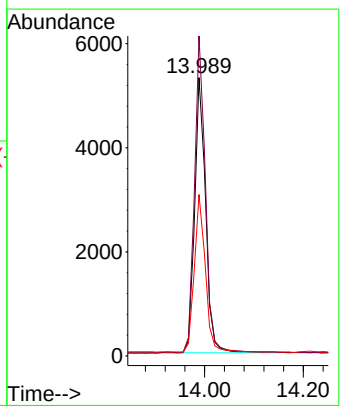


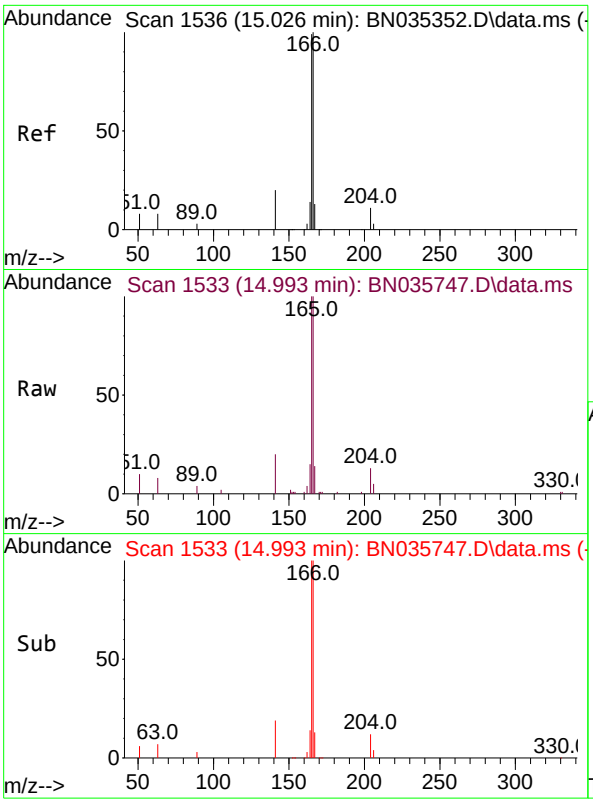


#17
Acenaphthene
Concen: 0.417 ng
RT: 13.989 min Scan# 1439
Delta R.T. -0.011 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Tgt Ion:154 Resp: 8162

Ion	Ratio	Lower	Upper
154	100		
153	115.3	92.6	139.0
152	57.6	49.0	73.6



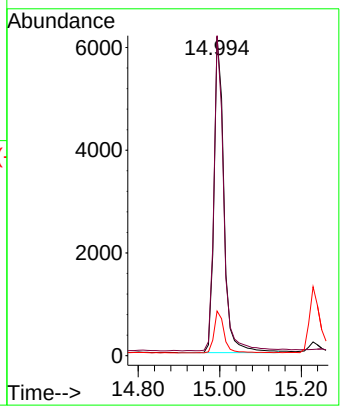


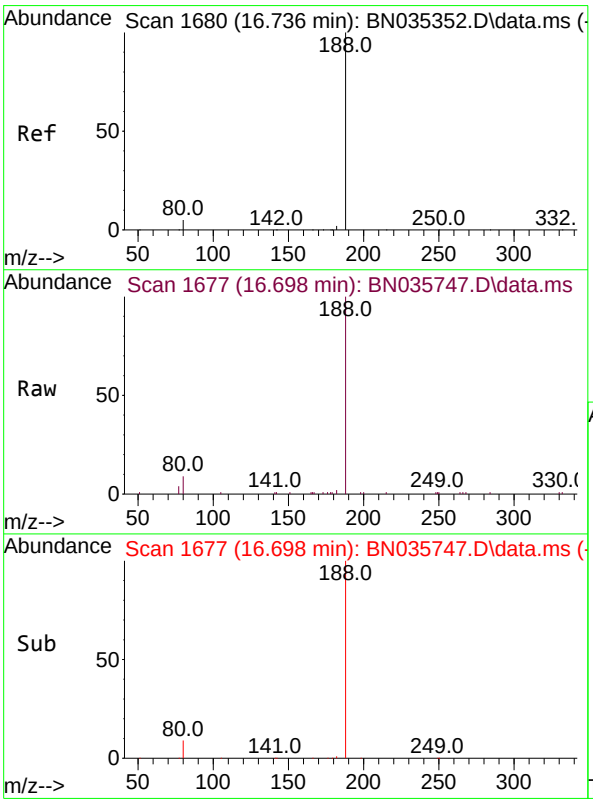
#18
Fluorene
Concen: 0.368 ng
RT: 14.993 min Scan# 1
Delta R.T. -0.011 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:166 Resp: 10307

Ion	Ratio	Lower	Upper
166	100		
165	98.2	79.7	119.5
167	13.4	10.8	16.2

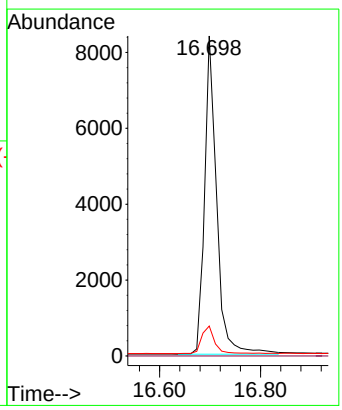


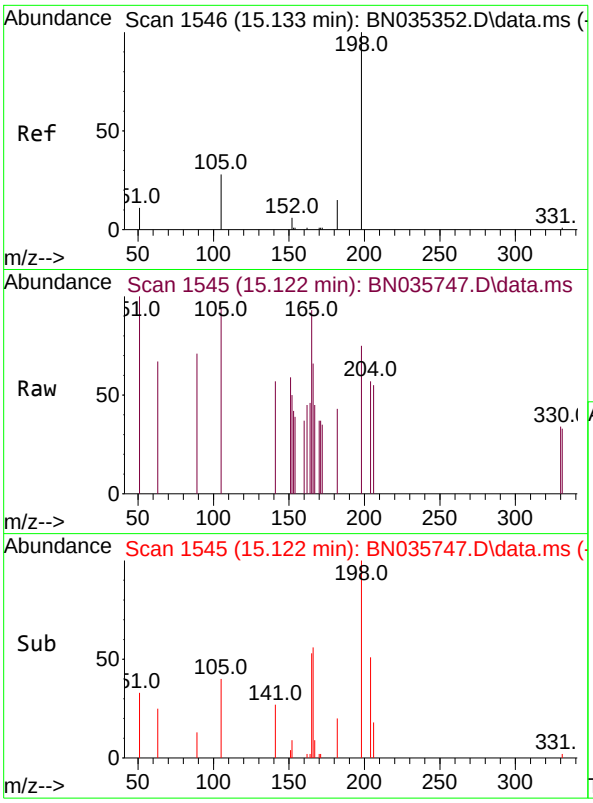


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.698 min Scan# 1677
Delta R.T. -0.000 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Tgt Ion:188 Resp: 13951

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.4	4.6	6.8#



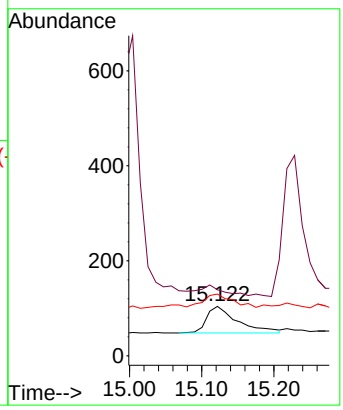


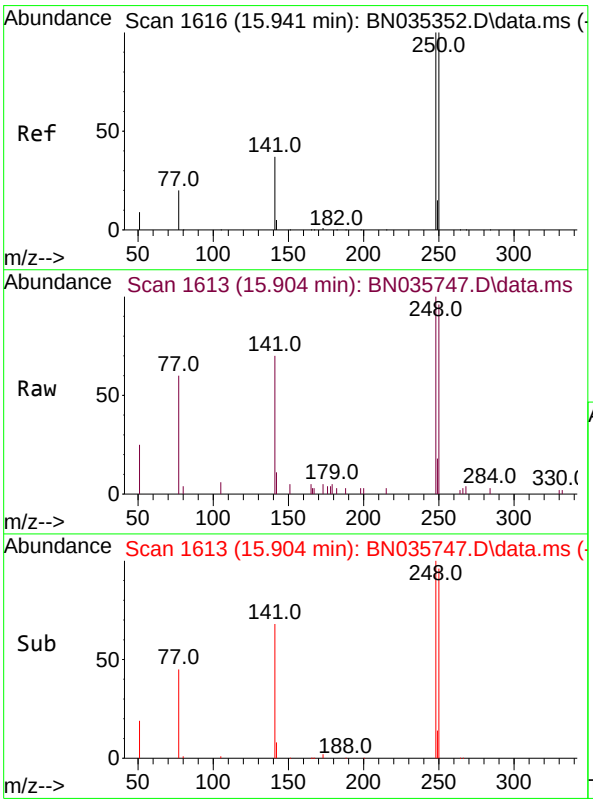
#20
4,6-Dinitro-2-methylphenol
Concen: 0.122 ng
RT: 15.122 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:198 Resp: 168

Ion	Ratio	Lower	Upper
198	100		
51	133.7	46.5	69.7#
105	125.0	45.3	67.9#

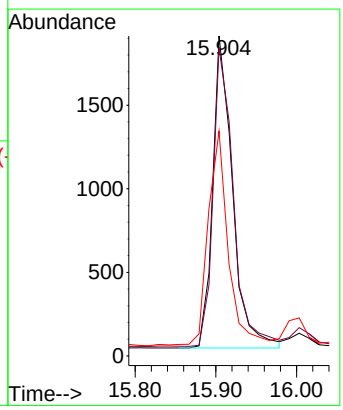


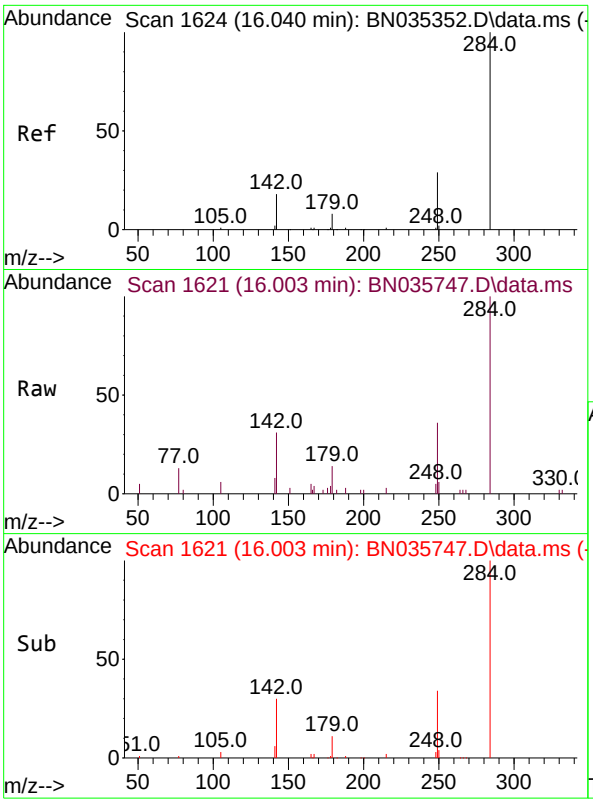


#21
4-Bromophenyl-phenylether
Concen: 0.391 ng
RT: 15.904 min Scan# 1613
Delta R.T. -0.013 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Tgt Ion:248 Resp: 3188

Ion	Ratio	Lower	Upper
248	100		
250	96.4	80.6	120.8
141	70.3	31.5	47.3#



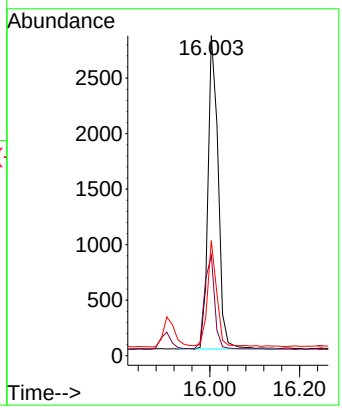


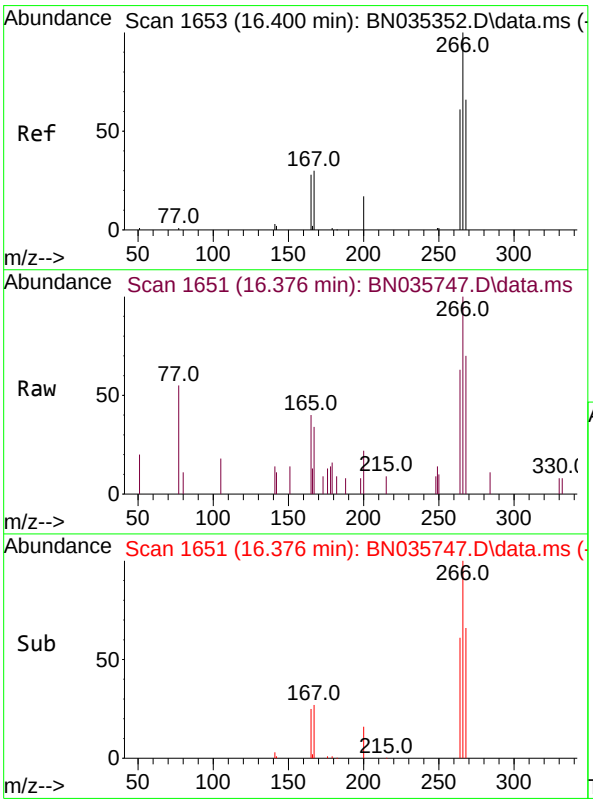
#22
Hexachlorobenzene
Concen: 0.460 ng
RT: 16.003 min Scan# 1
Delta R.T. -0.013 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:284 Resp: 4408

Ion	Ratio	Lower	Upper
284	100		
142	29.9	26.7	40.1
249	30.7	24.6	36.8

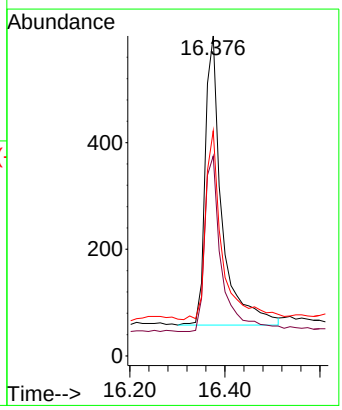


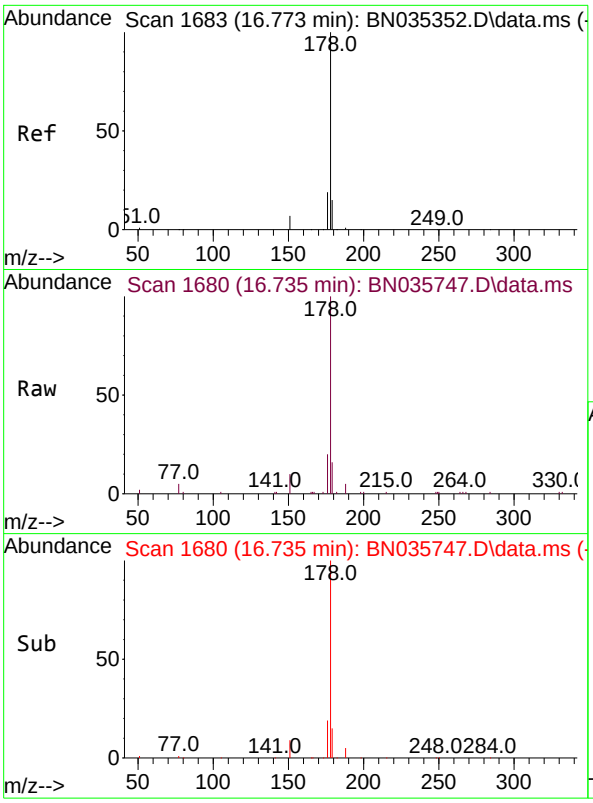


#24
Pentachlorophenol
Concen: 0.319 ng
RT: 16.376 min Scan# 1651
Delta R.T. -0.000 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Tgt Ion:266 Resp: 1329

Ion	Ratio	Lower	Upper
266	100		
264	61.8	42.3	63.5
268	64.7	43.3	64.9



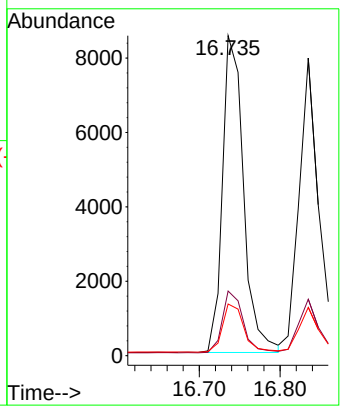


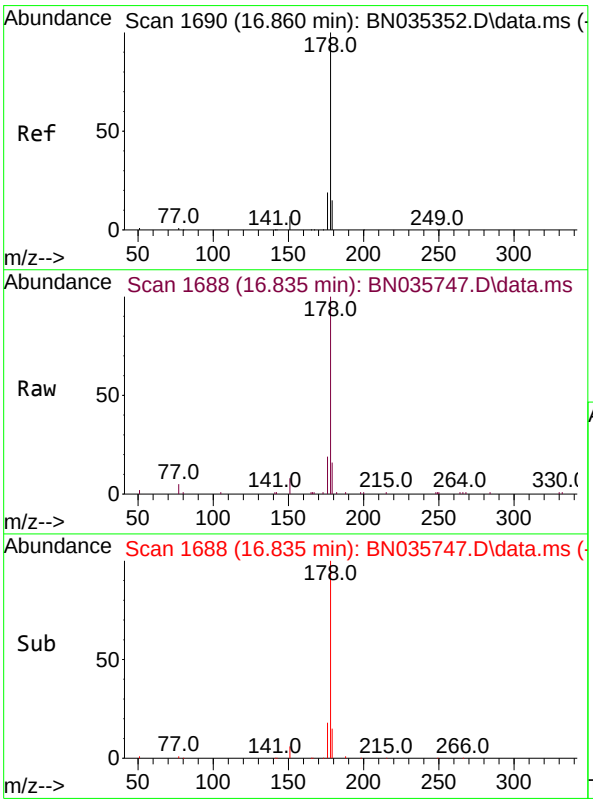
#25
Phenanthrene
Concen: 0.403 ng
RT: 16.735 min Scan# 1(
Delta R.T. -0.013 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:178 Resp: 15452

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	15.4	12.3	18.5

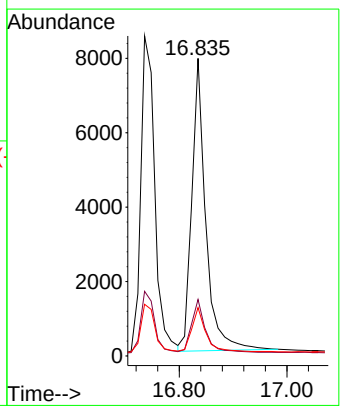


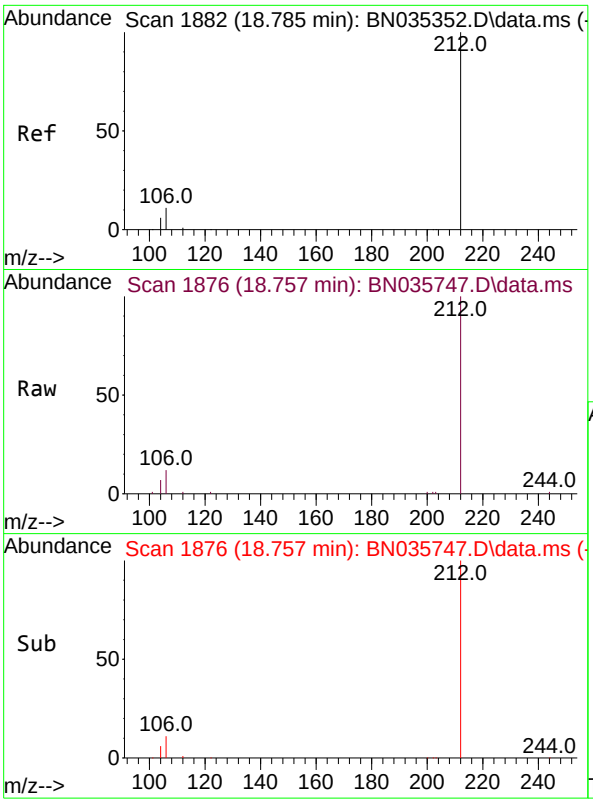


#26
Anthracene
Concen: 0.408 ng
RT: 16.835 min Scan# 1688
Delta R.T. -0.000 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Tgt Ion:178 Resp: 14156

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.0	22.6
179	15.5	12.6	18.8



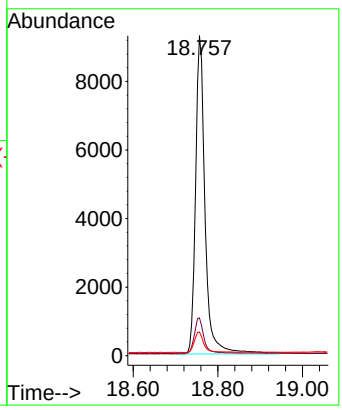


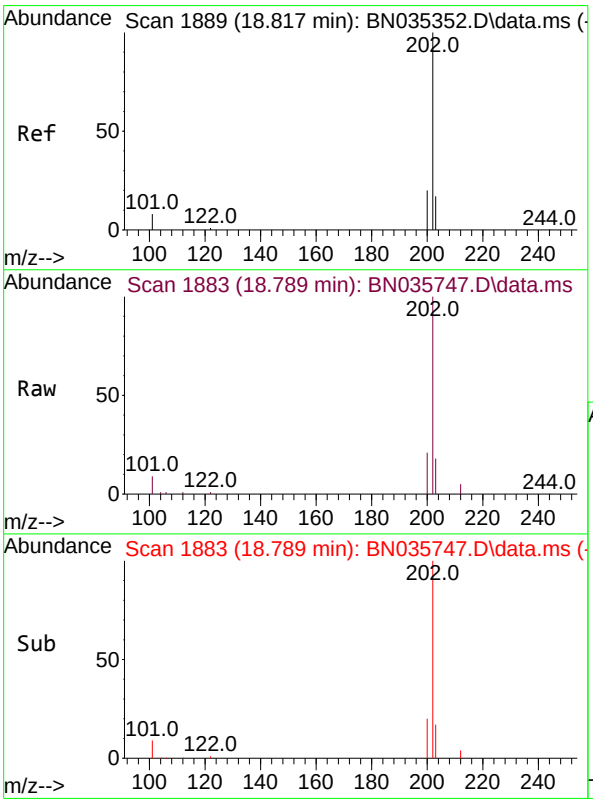
#27
Fluoranthene-d10
Concen: 0.365 ng
RT: 18.757 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:212 Resp: 14421

Ion	Ratio	Lower	Upper
212	100		
106	11.1	9.2	13.8
104	6.3	5.3	7.9

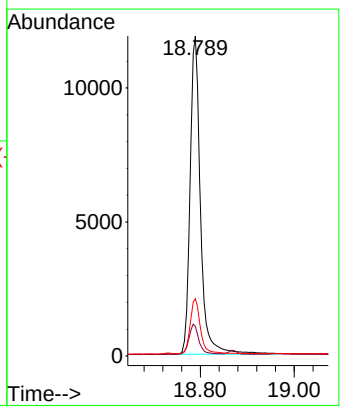


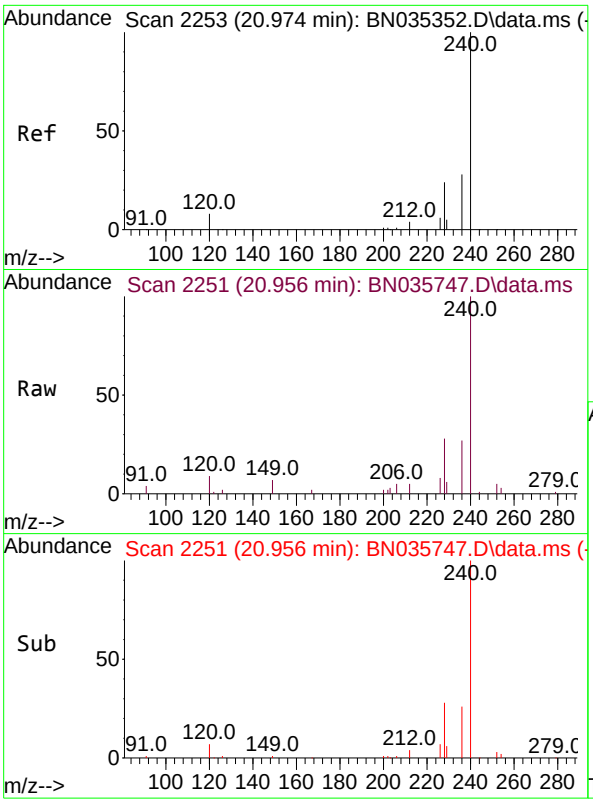


#28
Fluoranthene
Concen: 0.353 ng
RT: 18.789 min Scan# 1883
Delta R.T. -0.000 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Tgt Ion:202 Resp: 18255

Ion	Ratio	Lower	Upper
202	100		
101	9.4	7.4	11.0
203	17.0	13.7	20.5



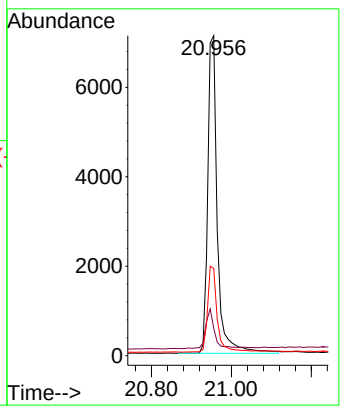


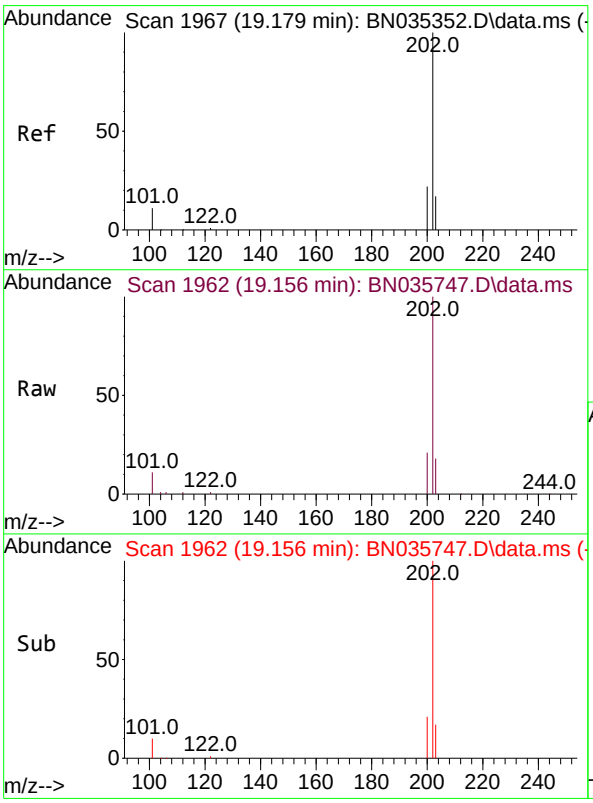
#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.956 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:240 Resp: 11878

Ion	Ratio	Lower	Upper
240	100		
120	8.6	7.9	11.9
236	27.2	22.9	34.3

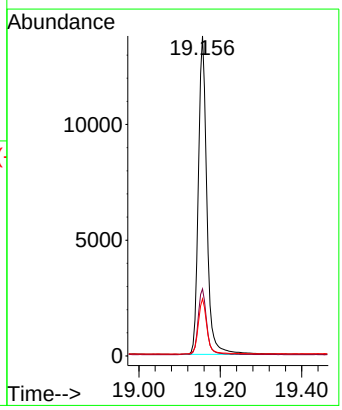


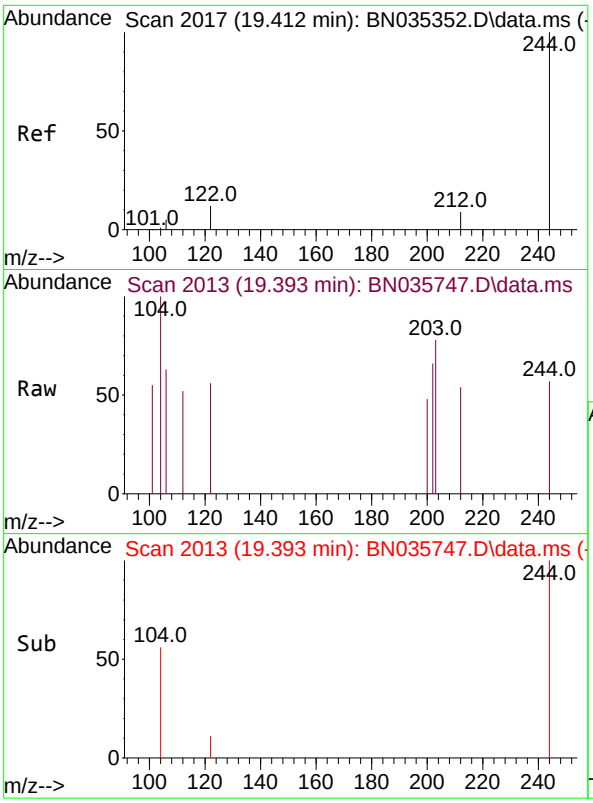


#30
Pyrene
Concen: 0.453 ng
RT: 19.156 min Scan# 1962
Delta R.T. -0.005 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Tgt Ion:202 Resp: 19874

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.0	25.4
203	17.9	14.3	21.5



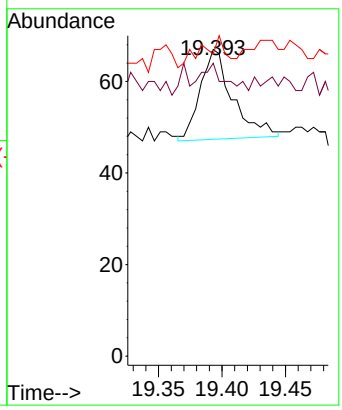


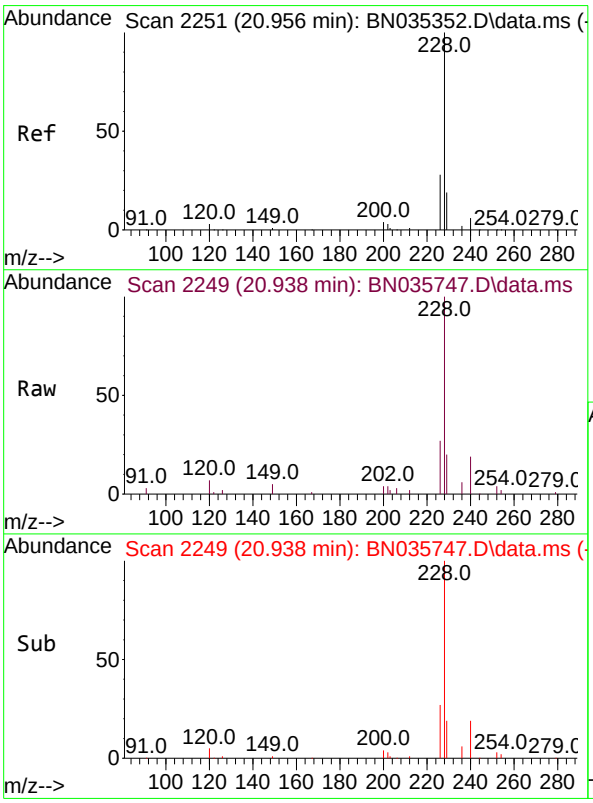
#31
Terphenyl-d14
Concen: 0.001 ng
RT: 19.393 min Scan# 2
Delta R.T. 0.004 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:244 Resp: 35

Ion	Ratio	Lower	Upper
244	100		
212	95.5	8.1	12.1#
122	98.5	10.3	15.5#

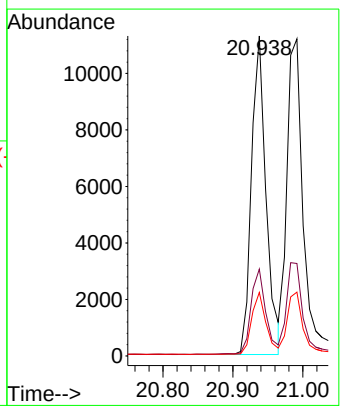


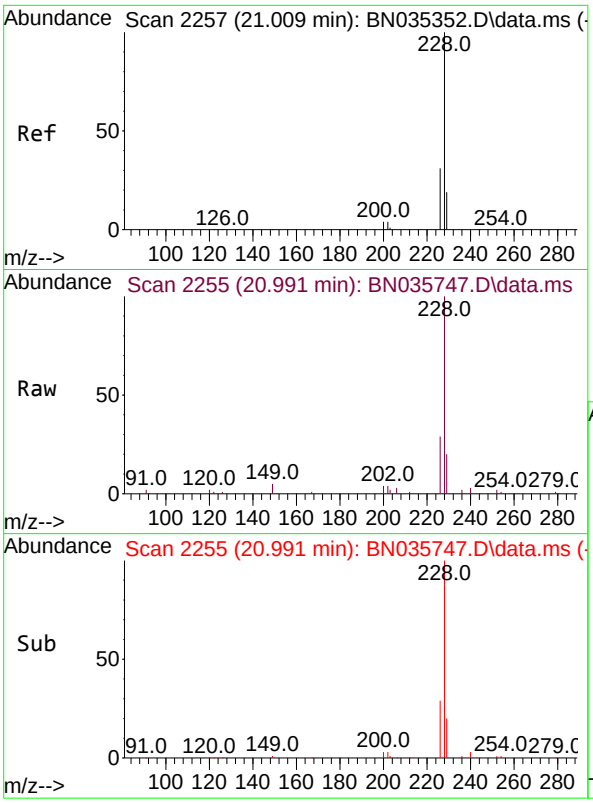


#32
Benzo(a)anthracene
Concen: 0.394 ng
RT: 20.938 min Scan# 2249
Delta R.T. -0.000 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Tgt Ion:228 Resp: 16354

Ion	Ratio	Lower	Upper
228	100		
226	27.2	22.5	33.7
229	19.9	15.8	23.8



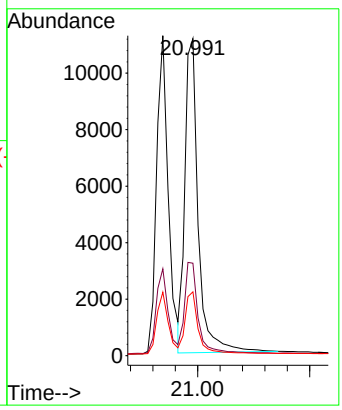


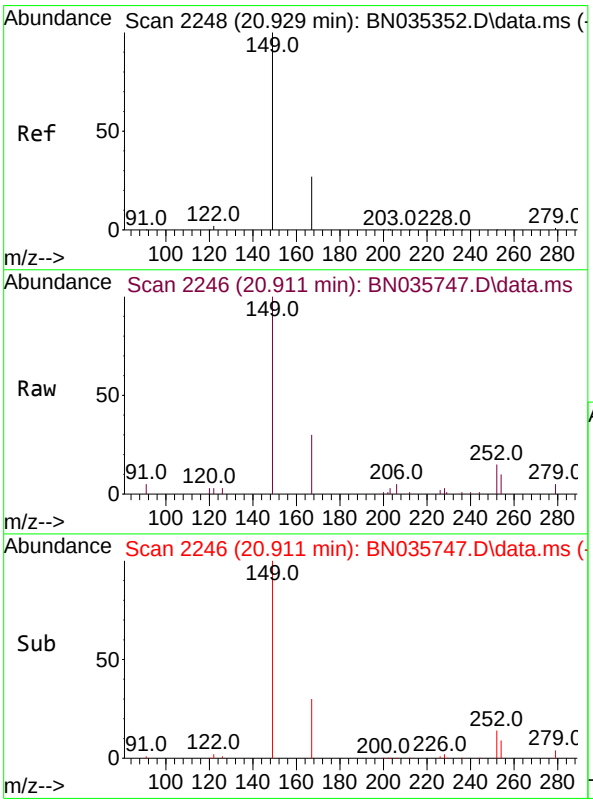
#33
Chrysene
Concen: 0.428 ng
RT: 20.991 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:228 Resp: 18340

Ion	Ratio	Lower	Upper
228	100		
226	29.2	24.6	37.0
229	20.1	15.9	23.9

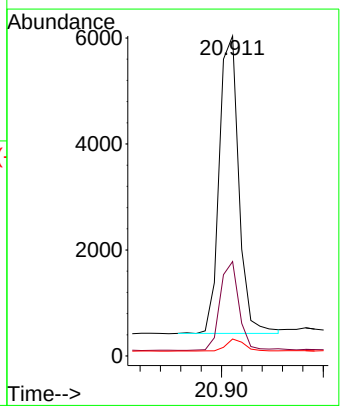


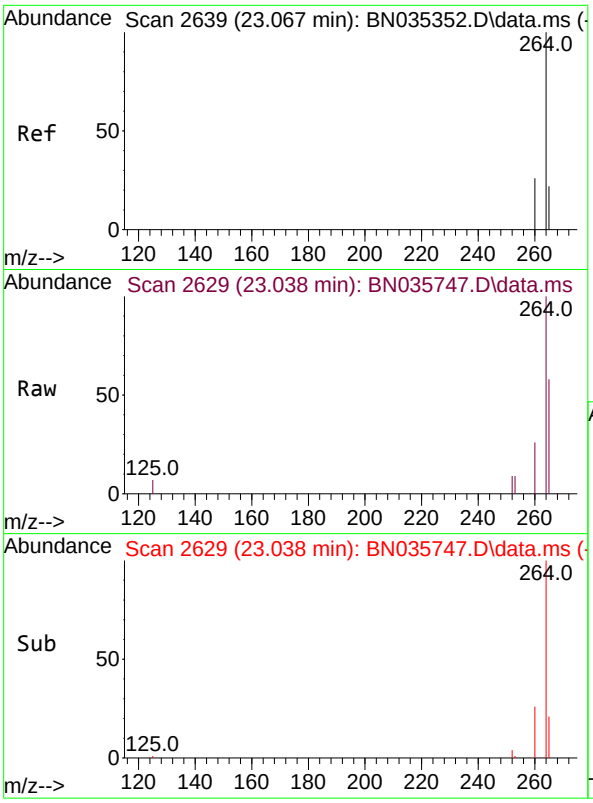


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.456 ng
RT: 20.911 min Scan# 2246
Delta R.T. -0.000 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Tgt Ion:149 Resp: 7490

Ion	Ratio	Lower	Upper
149	100		
167	29.2	22.2	33.4
279	3.7	2.7	4.1



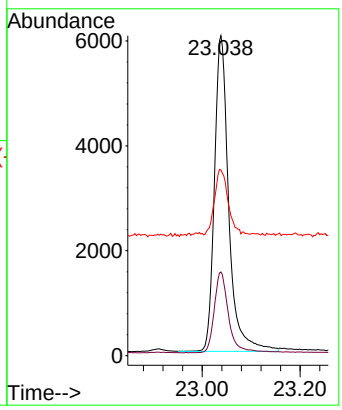


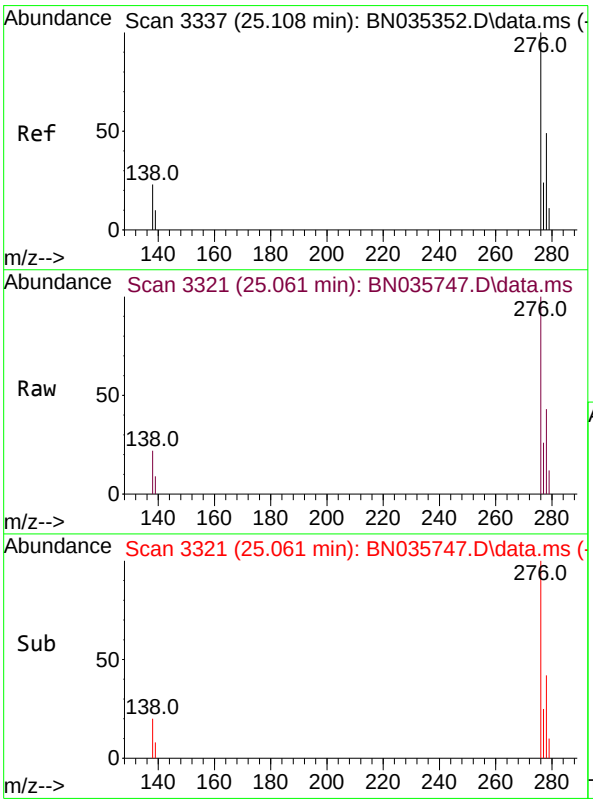
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.038 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:264 Resp: 12200

Ion	Ratio	Lower	Upper
264	100		
260	26.2	21.4	32.2
265	58.1	40.2	60.4

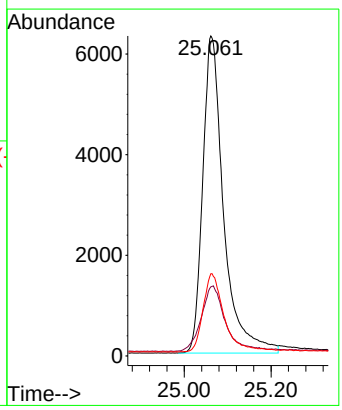


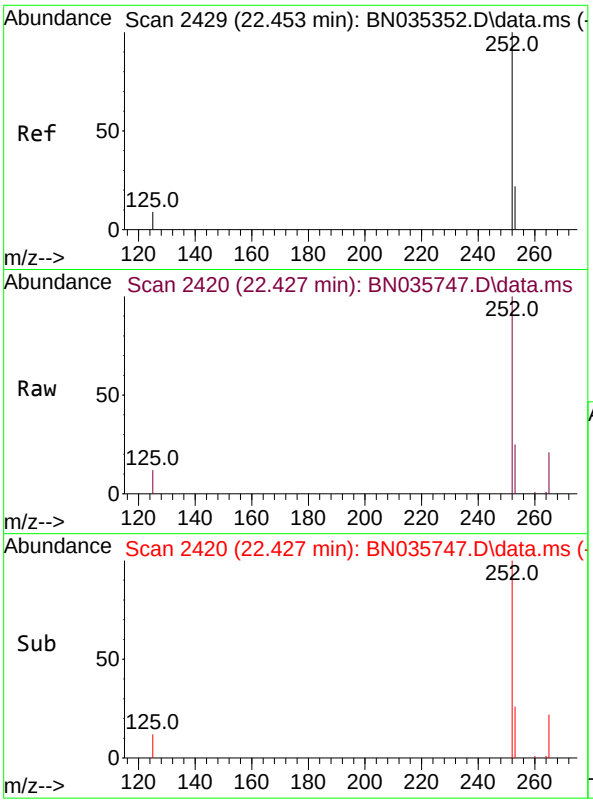


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.442 ng
RT: 25.061 min Scan# 3321
Delta R.T. -0.006 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Tgt Ion:276 Resp: 21102

Ion	Ratio	Lower	Upper
276	100		
138	23.7	19.4	29.0
277	25.2	19.8	29.6



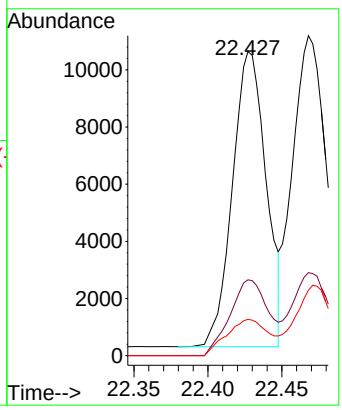


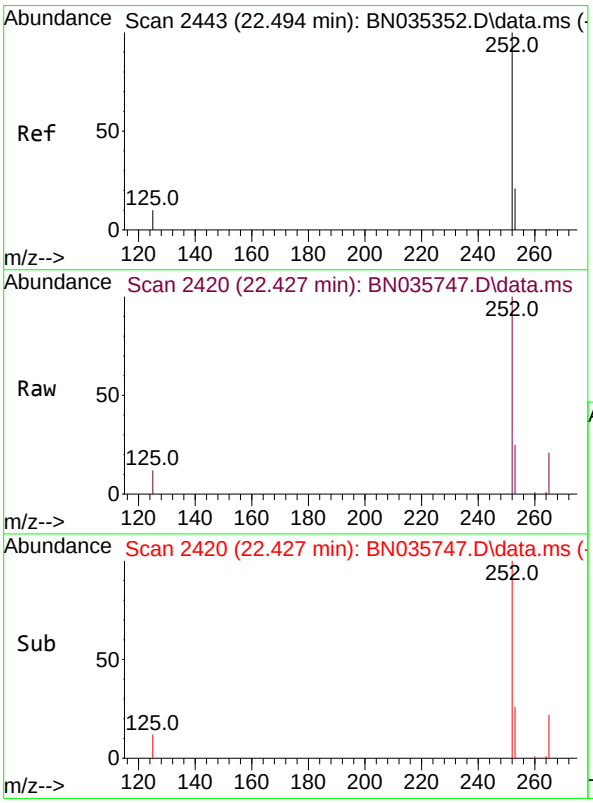
#37
Benzo(b)fluoranthene
Concen: 0.493 ng
RT: 22.427 min Scan# 24
Delta R.T. -0.003 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 21982

Ion	Ratio	Lower	Upper
252	100		
253	25.0	19.6	29.4
125	12.0	9.6	14.4

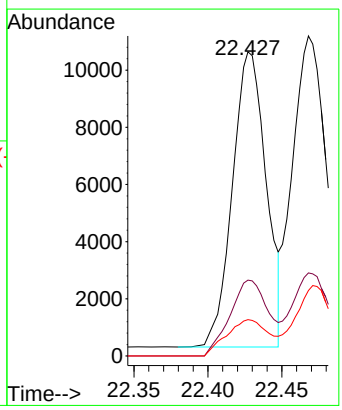


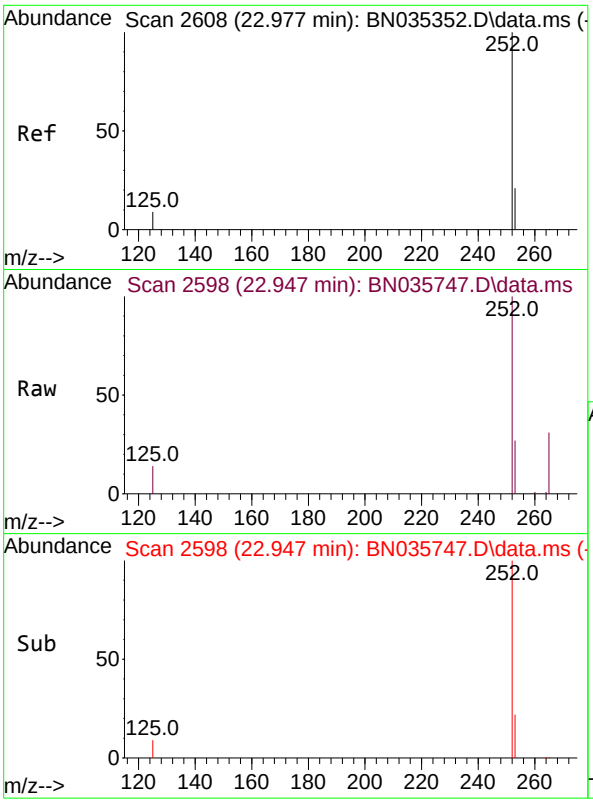


#38
Benzo(k)fluoranthene
Concen: 0.500 ng
RT: 22.427 min Scan# 2420
Delta R.T. -0.044 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Tgt Ion:252 Resp: 21982

Ion	Ratio	Lower	Upper
252	100		
253	25.0	19.5	29.3
125	12.0	10.2	15.4



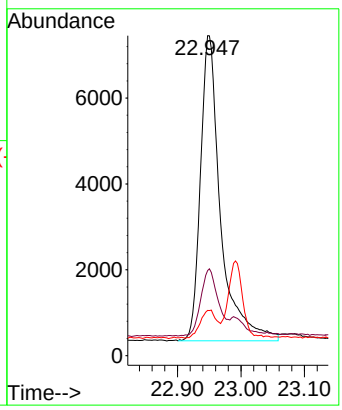


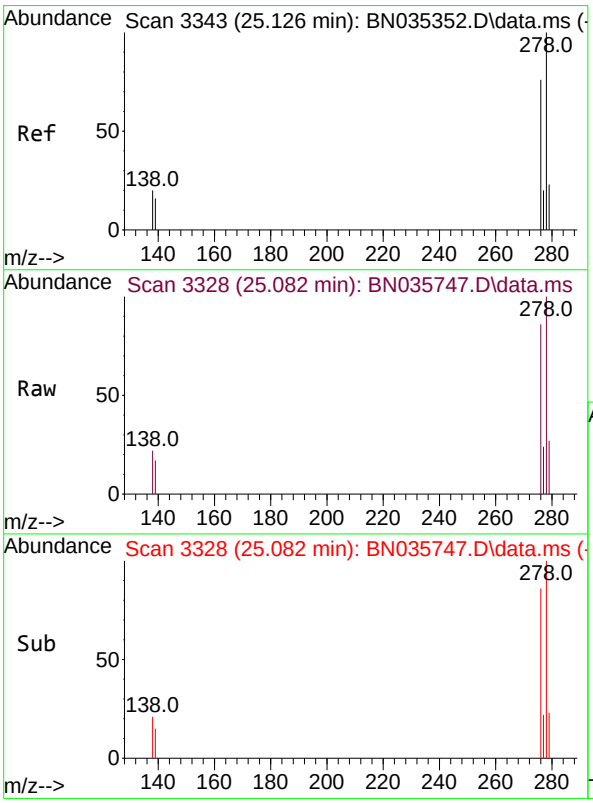
#39
Benzo(a)pyrene
Concen: 0.425 ng
RT: 22.947 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 15636

Ion	Ratio	Lower	Upper
252	100		
253	26.6	20.2	30.4
125	14.2	10.9	16.3

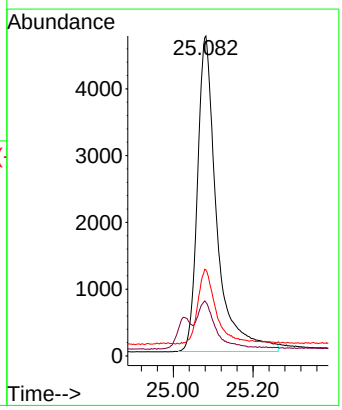


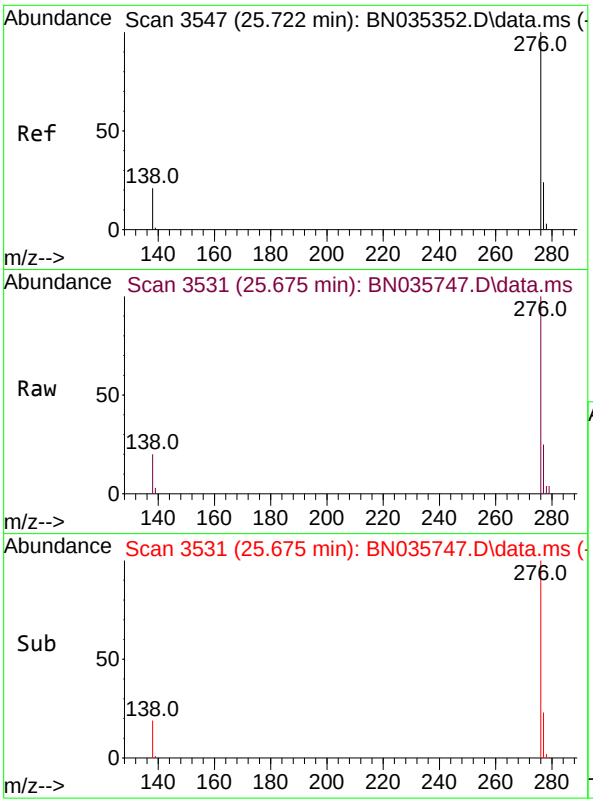


#40
Dibenzo(a,h)anthracene
Concen: 0.421 ng
RT: 25.082 min Scan# 3328
Delta R.T. -0.000 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Tgt Ion:278 Resp: 15847

Ion	Ratio	Lower	Upper
278	100		
139	16.8	14.2	21.4
279	26.9	20.5	30.7



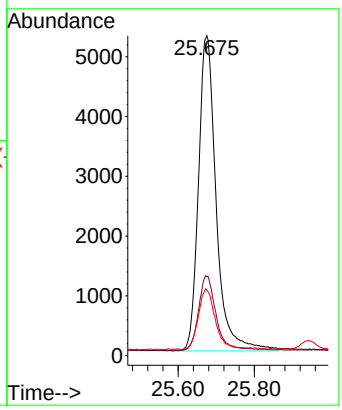


#41
Benzo(g,h,i)perylene
Concen: 0.432 ng
RT: 25.675 min Scan# 3
Delta R.T. -0.003 min
Lab File: BN035747.D
Acq: 20 Dec 2024 18:18

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 16995

Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.9	29.9
138	20.4	17.8	26.8



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035749.D
Acq On : 20 Dec 2024 19:33
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Dec 21 01:43:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

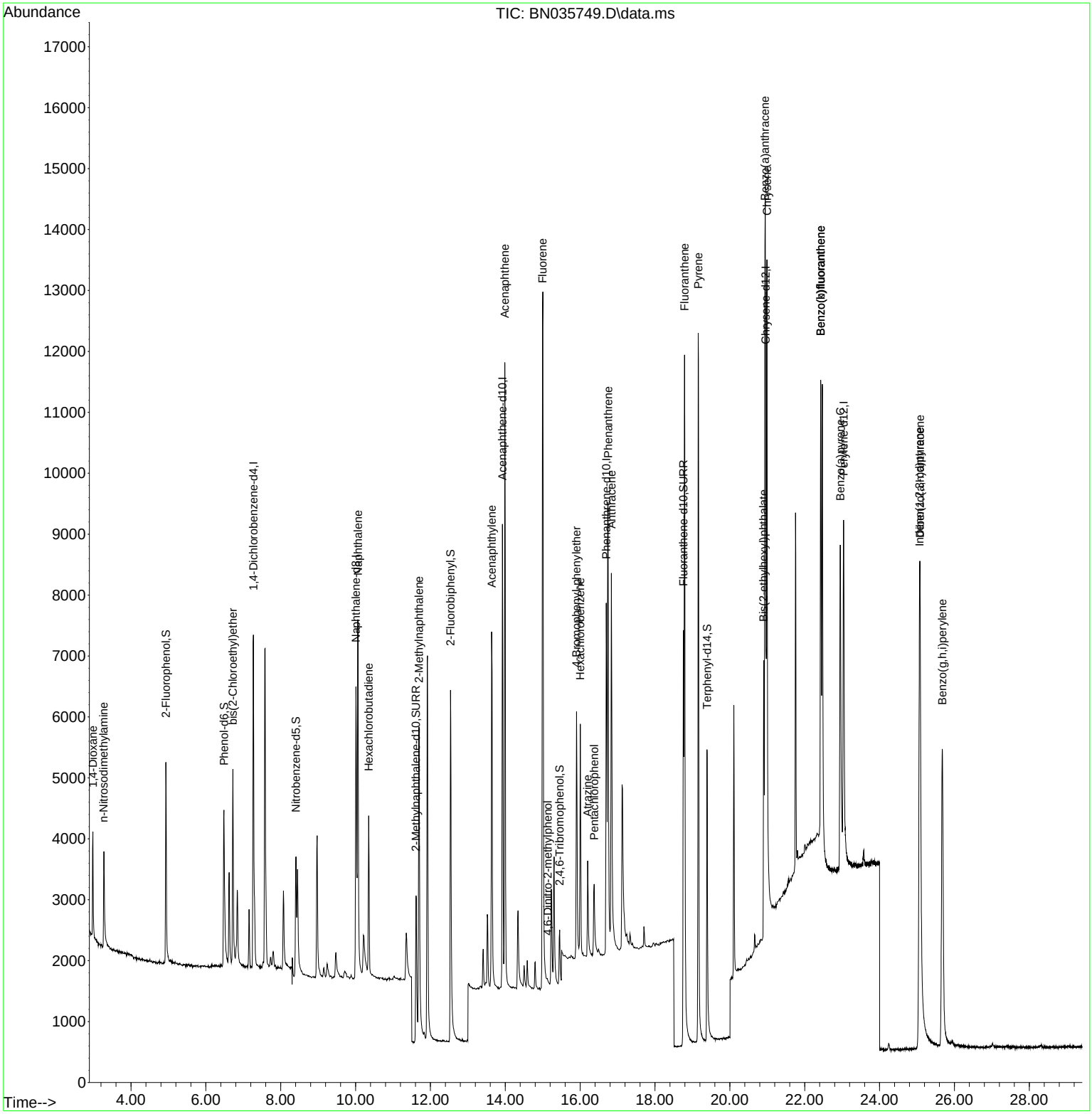
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.272	152	2885	0.400	ng		0.00
7) Naphthalene-d8	10.009	136	7460	0.400	ng		-0.01
13) Acenaphthene-d10	13.925	164	4592	0.400	ng		-0.01
19) Phenanthrene-d10	16.698	188	9182	0.400	ng	#	0.00
29) Chrysene-d12	20.956	240	7719	0.400	ng		0.00
35) Perylene-d12	23.038	264	7943	0.400	ng	#	0.00
System Monitoring Compounds							
4) 2-Fluorophenol	4.932	112	2946	0.408	ng		0.00
5) Phenol-d6	6.484	99	3398	0.391	ng		0.00
8) Nitrobenzene-d5	8.408	82	2510	0.551	ng		0.00
11) 2-Methylnaphthalene-d10	11.616	152	4637	0.397	ng		0.00
14) 2,4,6-Tribromophenol	15.453	330	1079	0.331	ng		0.00
15) 2-Fluorobiphenyl	12.539	172	7163	0.413	ng		0.00
27) Fluoranthene-d10	18.761	212	9858	0.379	ng		0.00
31) Terphenyl-d14	19.393	244	6880	0.452	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.982	88	1284	0.466	ng		96
3) n-Nitrosodimethylamine	3.271	42	1037	0.451	ng	#	96
6) bis(2-Chloroethyl)ether	6.723	93	2854	0.391	ng		99
9) Naphthalene	10.063	128	8115	0.412	ng		99
10) Hexachlorobutadiene	10.351	225	2104	0.464	ng	#	98
12) 2-Methylnaphthalene	11.697	142	5318	0.378	ng		99
16) Acenaphthylene	13.636	152	7458	0.387	ng		100
17) Acenaphthene	13.989	154	5179	0.405	ng		99
18) Fluorene	14.994	166	6721	0.367	ng		100
20) 4,6-Dinitro-2-methylph...	15.133	198	99	0.110	ng	#	1
21) 4-Bromophenyl-phenylether	15.904	248	2111	0.393	ng	#	80
22) Hexachlorobenzene	16.003	284	3074	0.487	ng		96
23) Atrazine	16.202	200	1584	0.414	ng		97
24) Pentachlorophenol	16.376	266	1014	0.370	ng		87
25) Phenanthrene	16.748	178	9861	0.391	ng		100
26) Anthracene	16.835	178	8624	0.378	ng		99
28) Fluoranthene	18.789	202	12002	0.353	ng		100
30) Pyrene	19.156	202	12468	0.438	ng		99
32) Benzo(a)anthracene	20.938	228	9472	0.351	ng		99
33) Chrysene	20.992	228	11952	0.429	ng		99
34) Bis(2-ethylhexyl)phtha...	20.902	149	4632	0.434	ng	#	98
36) Indeno(1,2,3-cd)pyrene	25.067	276	12531	0.404	ng		96
37) Benzo(b)fluoranthene	22.427	252	13708	0.472	ng		95
38) Benzo(k)fluoranthene	22.427	252	13708	0.479	ng		96
39) Benzo(a)pyrene	22.950	252	9304	0.389	ng	#	91
40) Dibenzo(a,h)anthracene	25.082	278	9530	0.389	ng		95
41) Benzo(g,h,i)perylene	25.675	276	11213	0.438	ng		99

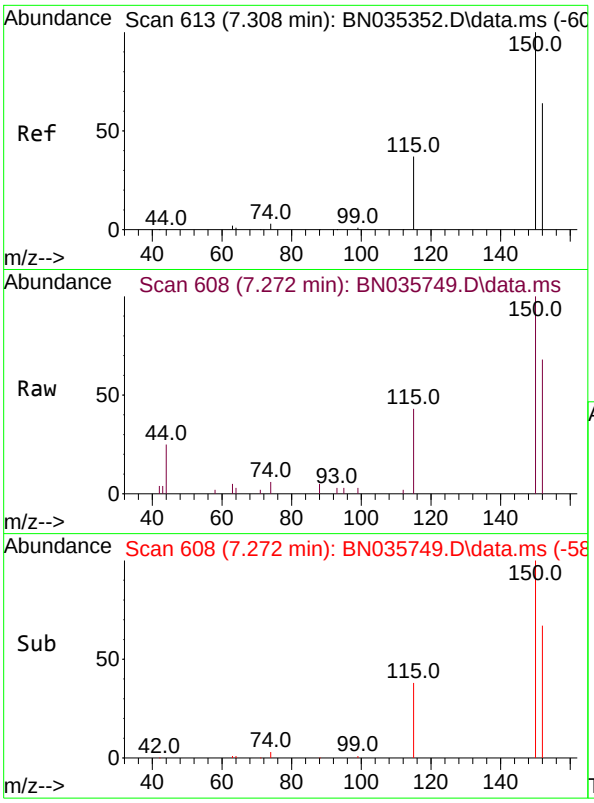
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035749.D
Acq On : 20 Dec 2024 19:33
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Dec 21 01:43:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration



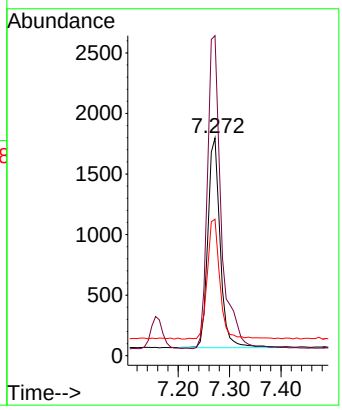


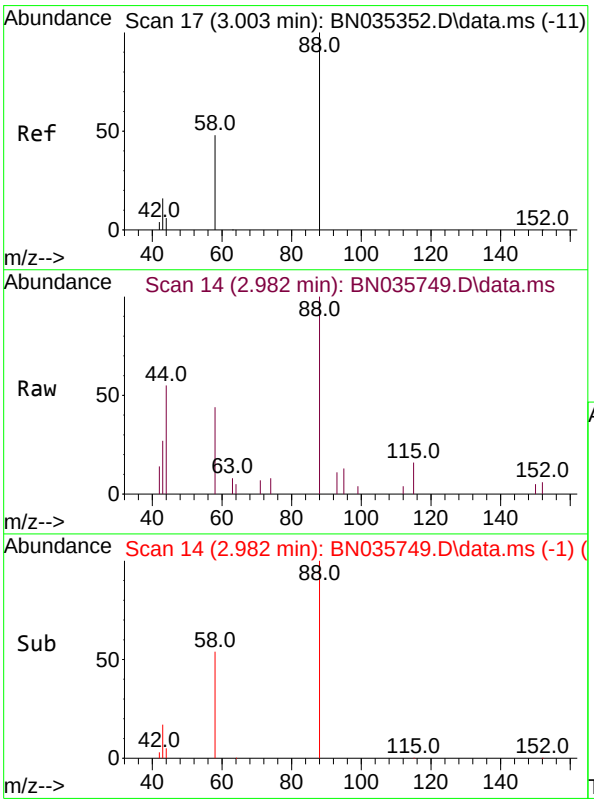
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.272 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 2885

Ion	Ratio	Lower	Upper
152	100		
150	147.0	124.0	186.0
115	62.7	49.6	74.4

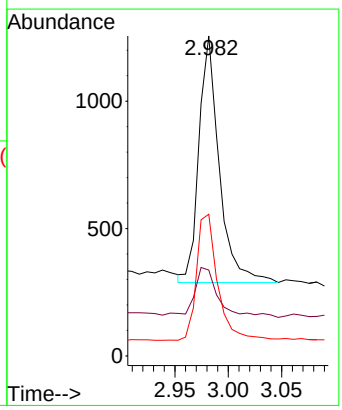


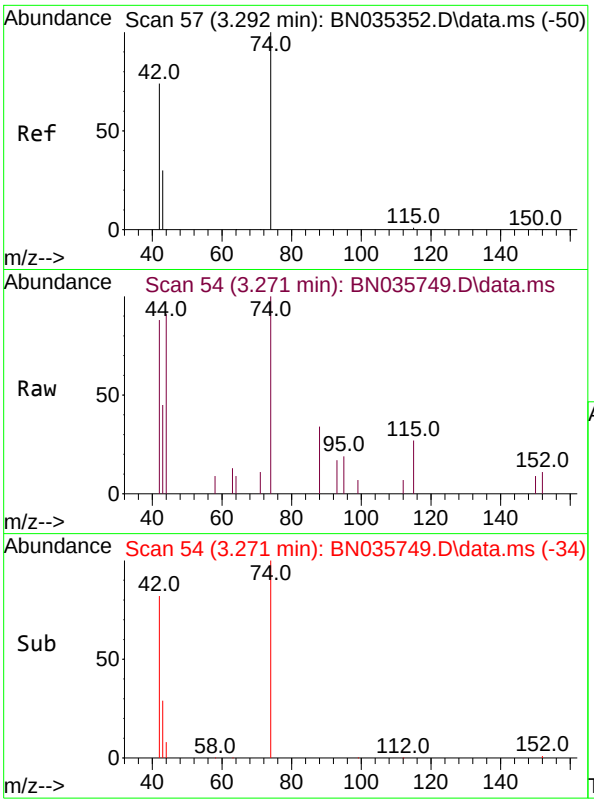


#2
1,4-Dioxane
Concen: 0.466 ng
RT: 2.982 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Tgt Ion: 88 Resp: 1284

Ion	Ratio	Lower	Upper
88	100		
43	24.5	17.2	25.8
58	53.3	44.5	66.7



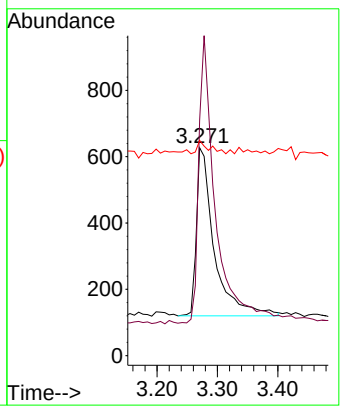


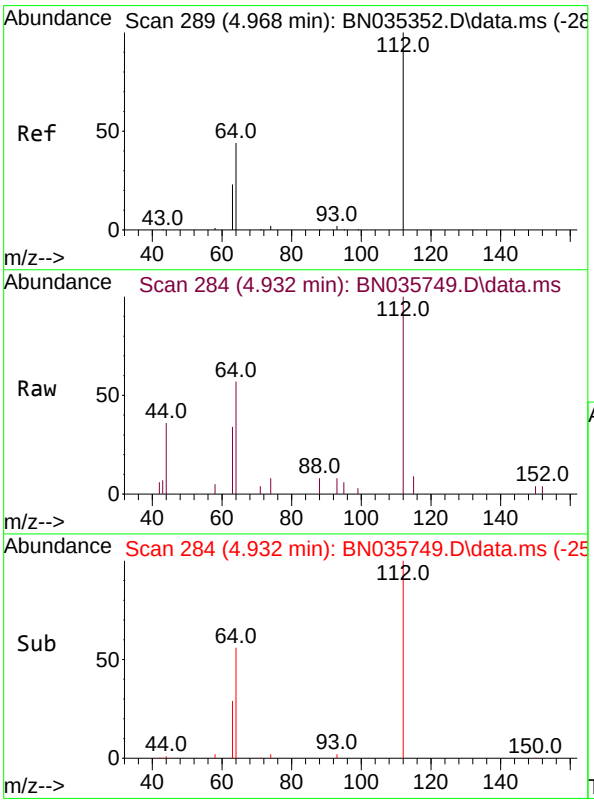
#3
n-Nitrosodimethylamine
Concen: 0.451 ng
RT: 3.271 min Scan# 54
Delta R.T. -0.007 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 1037

Ion	Ratio	Lower	Upper
42	100		
74	160.8	124.9	187.3
44	7.0	2.2	3.4#

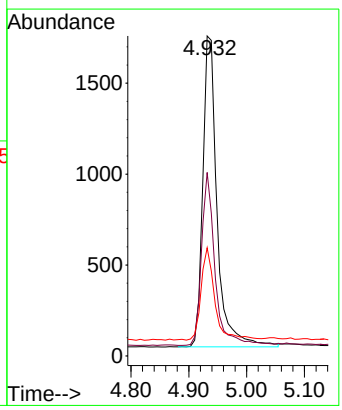


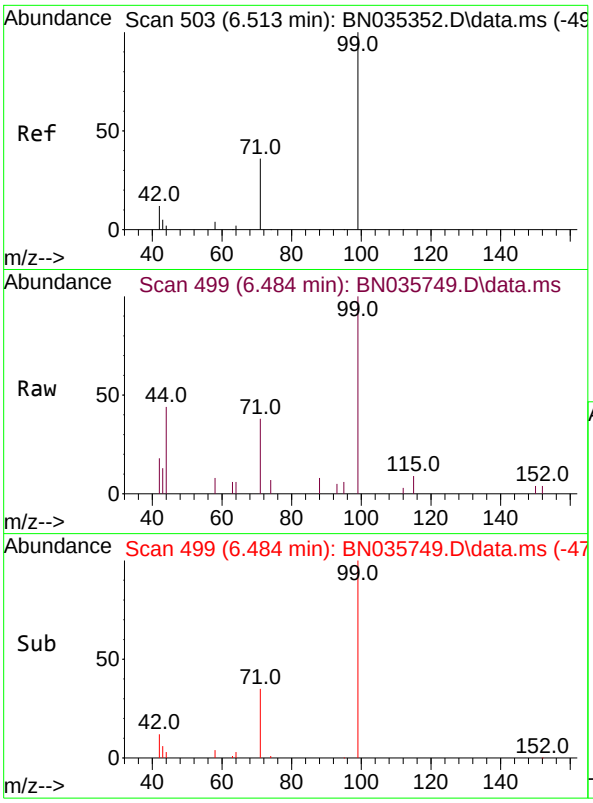


#4
2-Fluorophenol
Concen: 0.408 ng
RT: 4.932 min Scan# 284
Delta R.T. -0.007 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Tgt Ion:112 Resp: 2946

Ion	Ratio	Lower	Upper
112	100		
64	52.4	39.8	59.8
63	28.5	21.0	31.6



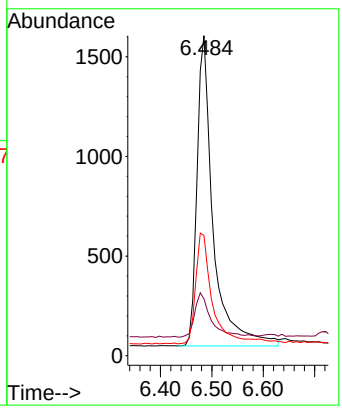


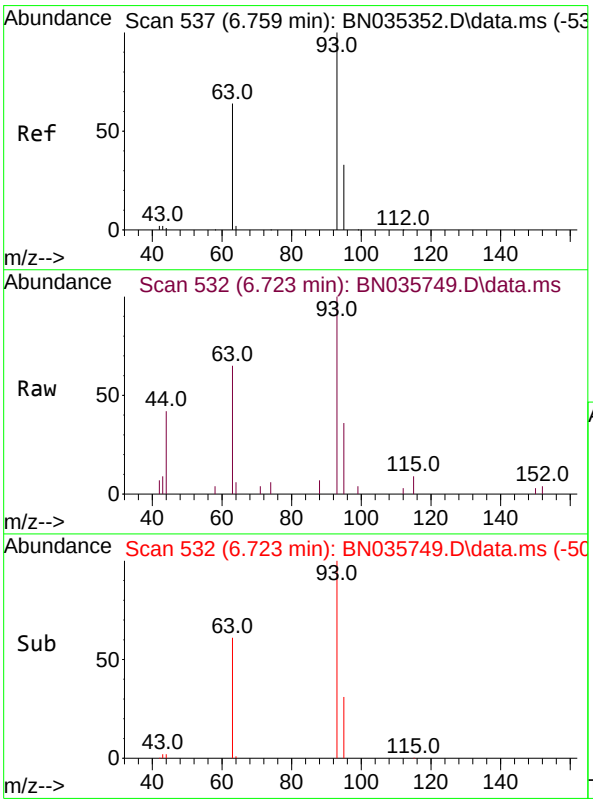
#5
Phenol-d6
Concen: 0.391 ng
RT: 6.484 min Scan# 4
Delta R.T. -0.007 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 3398

Ion	Ratio	Lower	Upper
99	100		
42	14.6	11.4	17.2
71	37.5	29.3	43.9

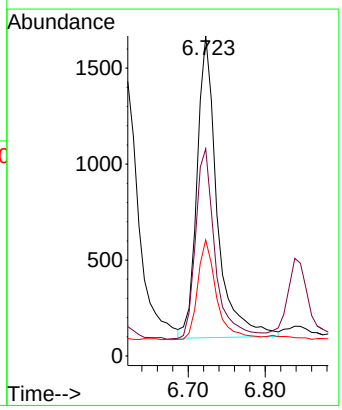


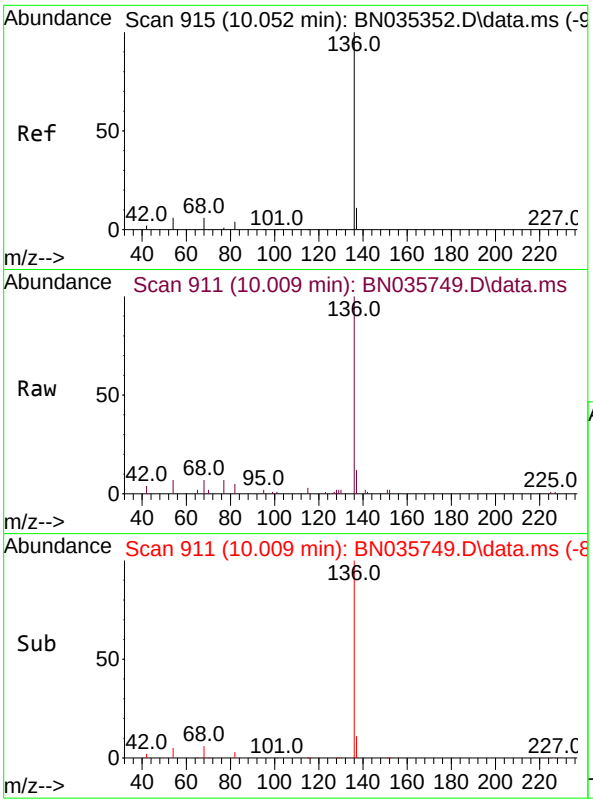


#6
bis(2-Chloroethyl)ether
Concen: 0.391 ng
RT: 6.723 min Scan# 532
Delta R.T. -0.007 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Tgt Ion: 93 Resp: 2854

Ion	Ratio	Lower	Upper
93	100		
63	62.2	50.4	75.6
95	31.1	25.7	38.5



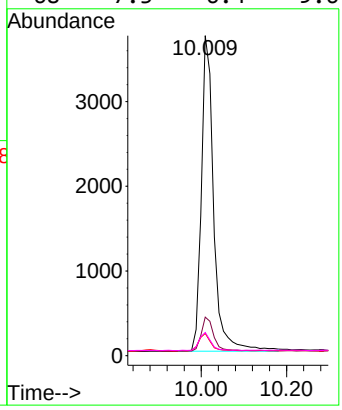


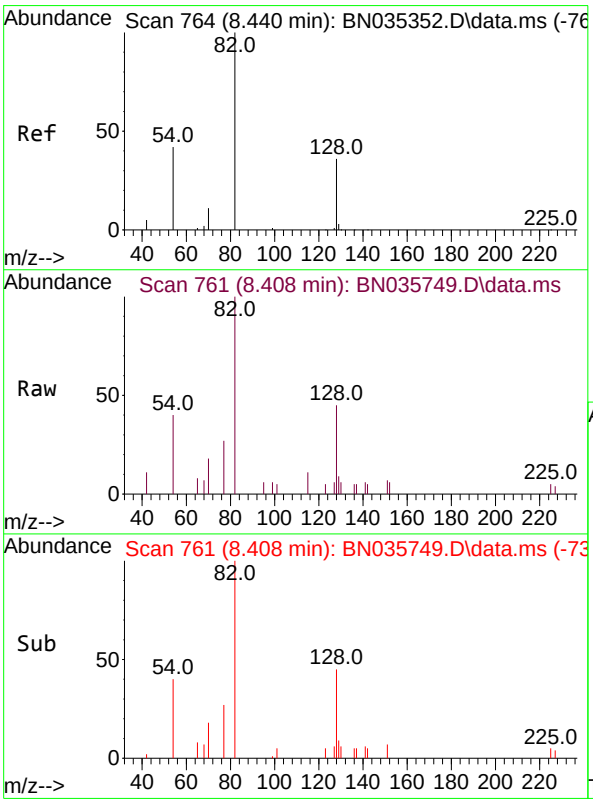
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.009 min Scan# 9
Delta R.T. -0.011 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 7460

Ion	Ratio	Lower	Upper
136	100		
137	12.0	10.2	15.2
54	6.9	6.1	9.1
68	7.3	6.4	9.6

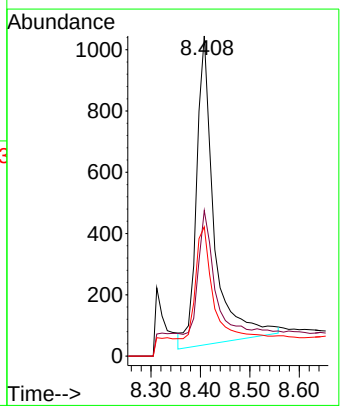


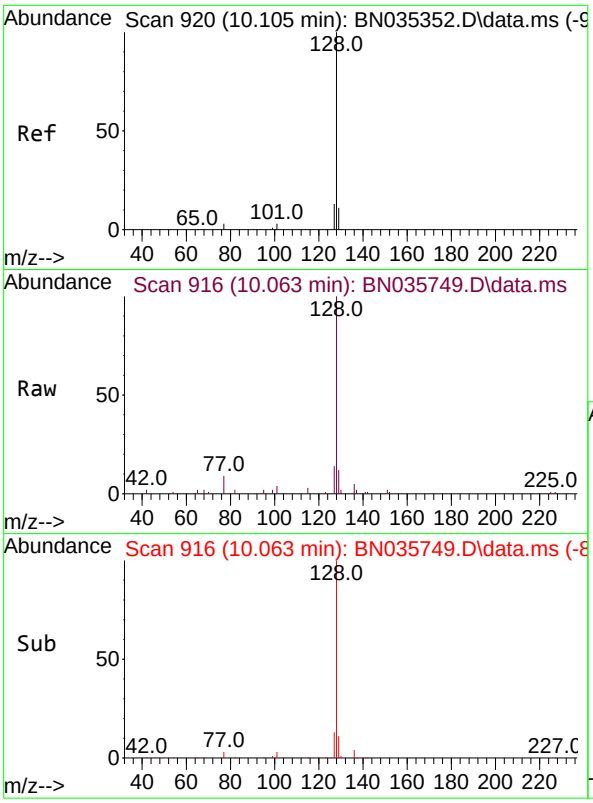


#8
Nitrobenzene-d5
Concen: 0.551 ng
RT: 8.408 min Scan# 761
Delta R.T. -0.000 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Tgt Ion: 82 Resp: 2510

Ion	Ratio	Lower	Upper
82	100		
128	45.5	33.4	50.0
54	40.4	36.7	55.1



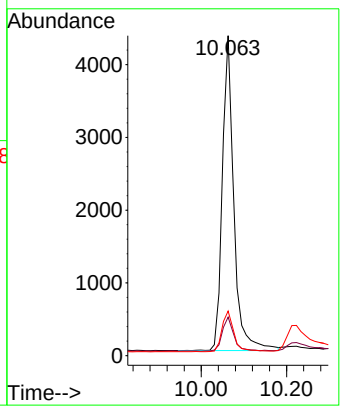


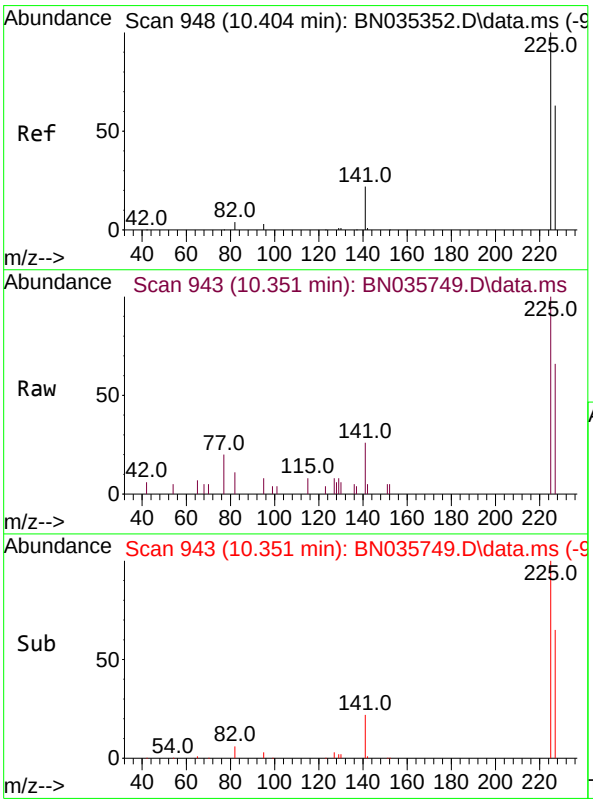
#9
Naphthalene
Concen: 0.412 ng
RT: 10.063 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 8115

Ion	Ratio	Lower	Upper
128	100		
129	12.1	9.8	14.6
127	13.9	11.4	17.2

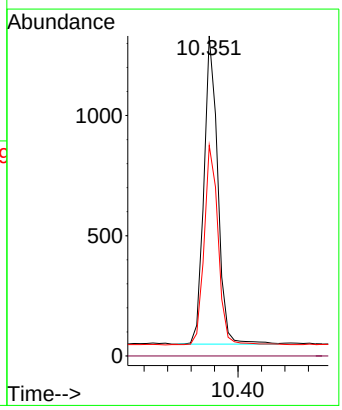


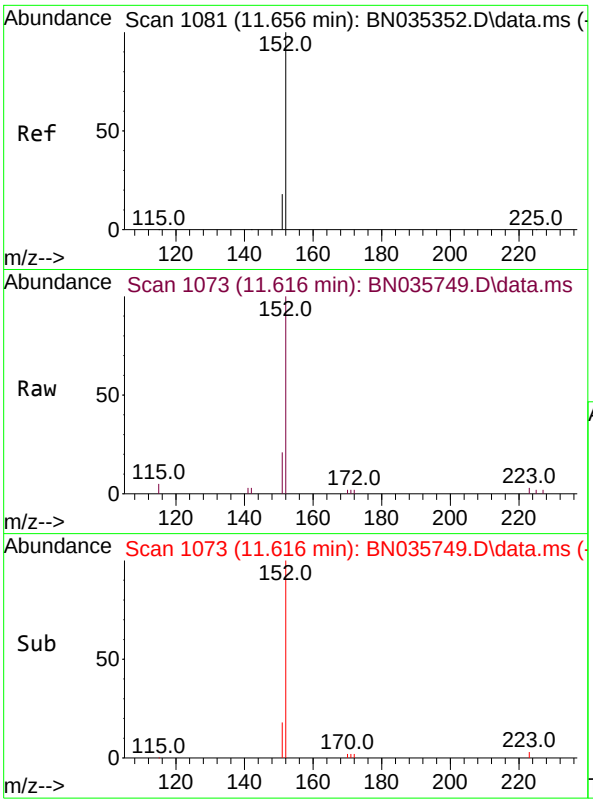


#10
Hexachlorobutadiene
Concen: 0.464 ng
RT: 10.351 min Scan# 943
Delta R.T. -0.011 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Tgt Ion:225 Resp: 2104

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	65.6	51.3	76.9



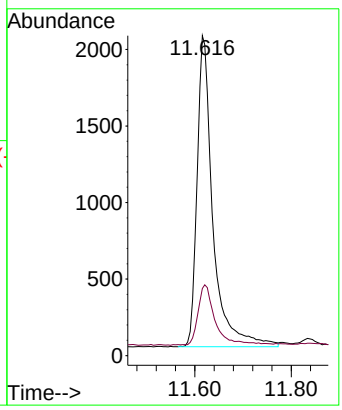


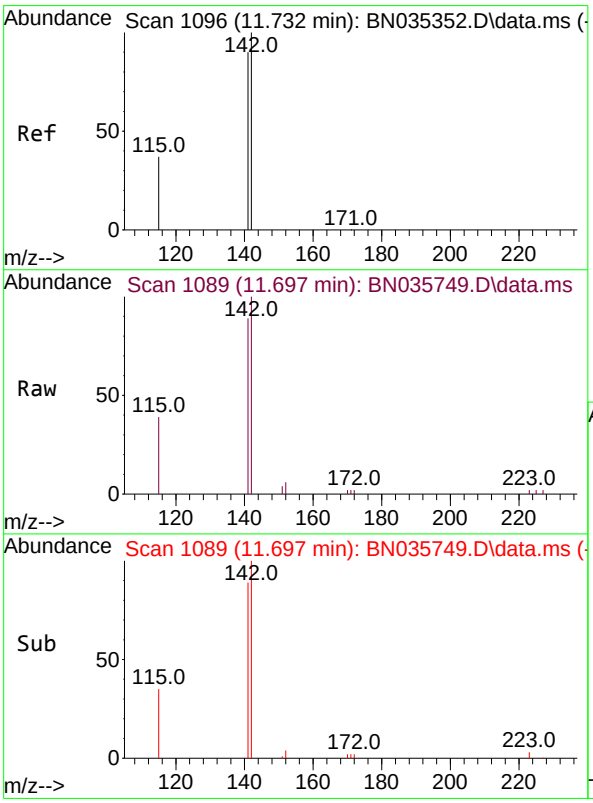
#11
2-Methylnaphthalene-d10
Concen: 0.397 ng
RT: 11.616 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 4637

Ion	Ratio	Lower	Upper
152	100		
151	21.4	16.6	25.0

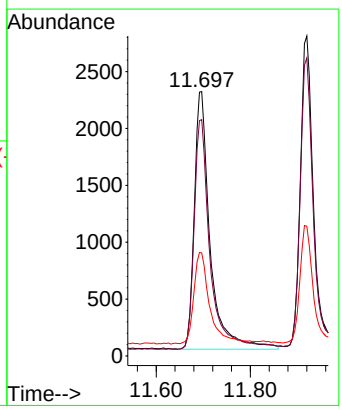


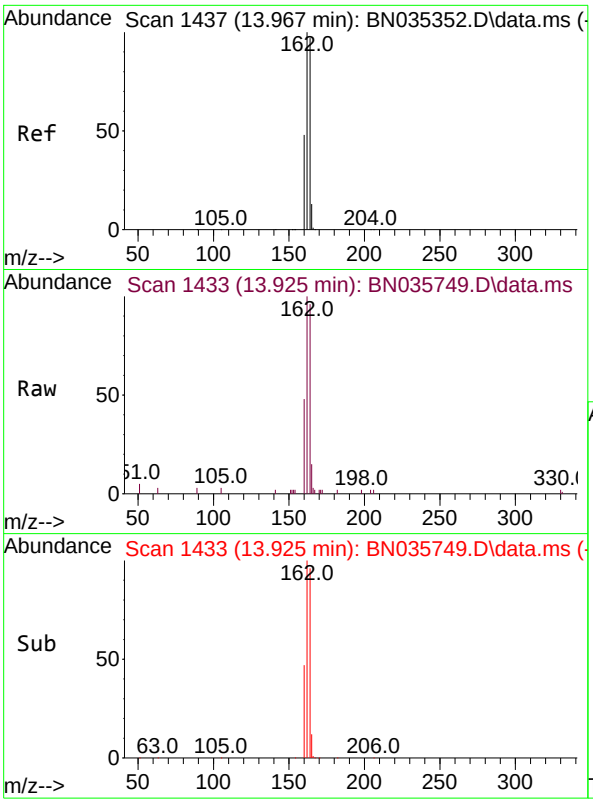


#12
2-Methylnaphthalene
Concen: 0.378 ng
RT: 11.697 min Scan# 1089
Delta R.T. -0.000 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Tgt Ion:142 Resp: 5318

Ion	Ratio	Lower	Upper
142	100		
141	89.4	72.2	108.4
115	39.0	31.4	47.0



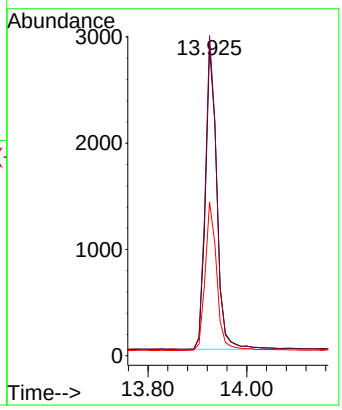


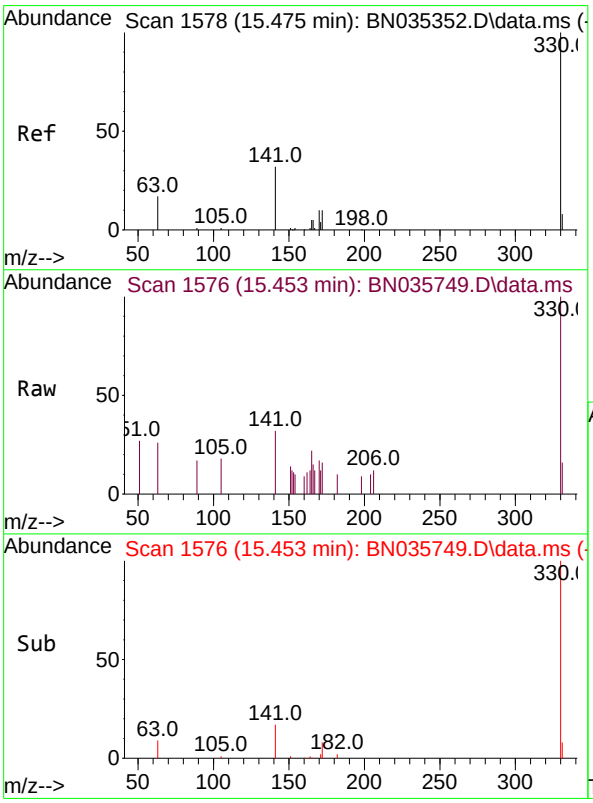
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.925 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 4592

Ion	Ratio	Lower	Upper
164	100		
162	103.6	82.2	123.2
160	49.8	40.1	60.1

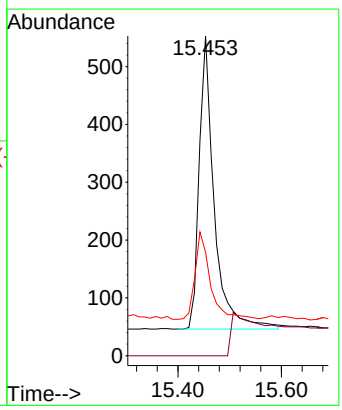


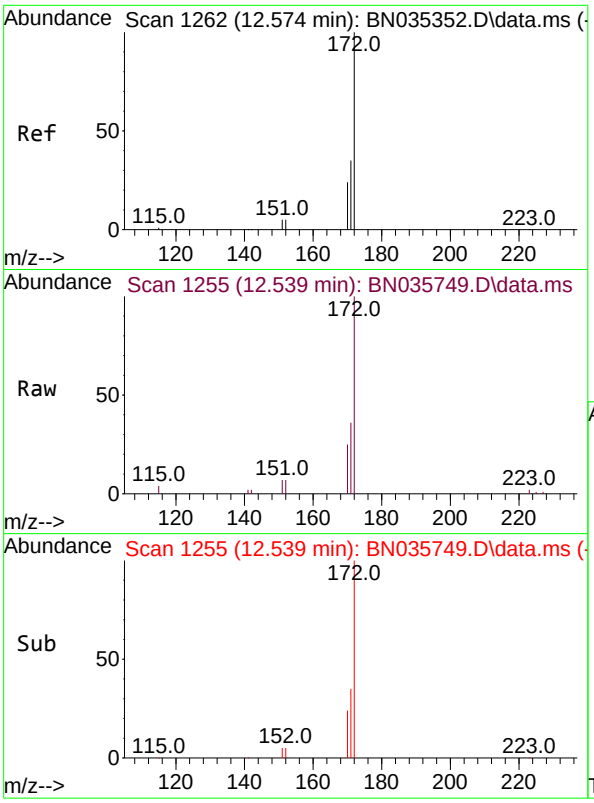


#14
2,4,6-Tribromophenol
Concen: 0.331 ng
RT: 15.453 min Scan# 1576
Delta R.T. -0.000 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Tgt Ion:330 Resp: 1079

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	29.6	26.6	40.0



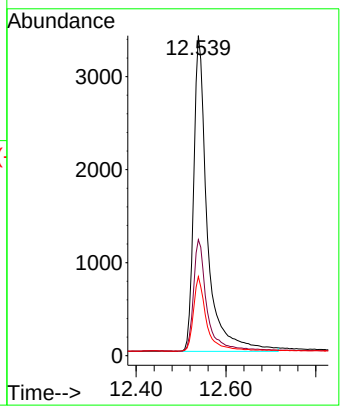


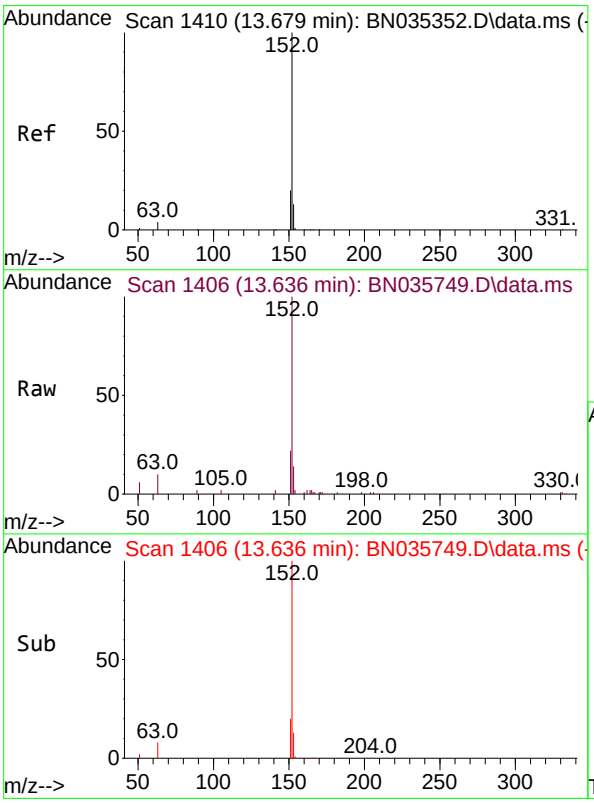
#15
2-Fluorobiphenyl
Concen: 0.413 ng
RT: 12.539 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 7163

Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.0	43.4
170	24.7	19.8	29.8

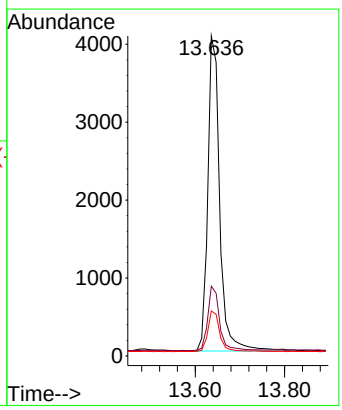


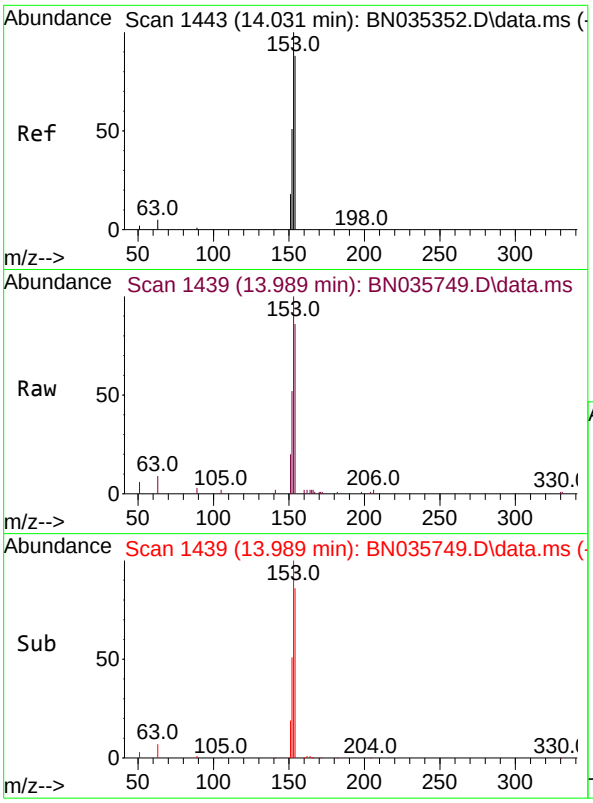


#16
Acenaphthylene
Concen: 0.387 ng
RT: 13.636 min Scan# 1406
Delta R.T. -0.011 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Tgt Ion:152 Resp: 7458

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.2	24.2
153	13.2	10.4	15.6



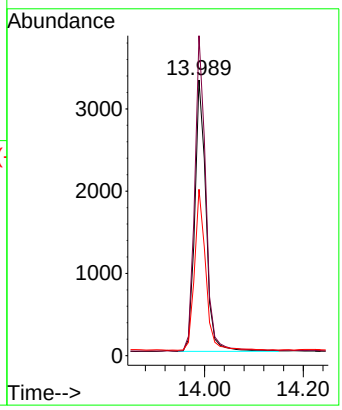


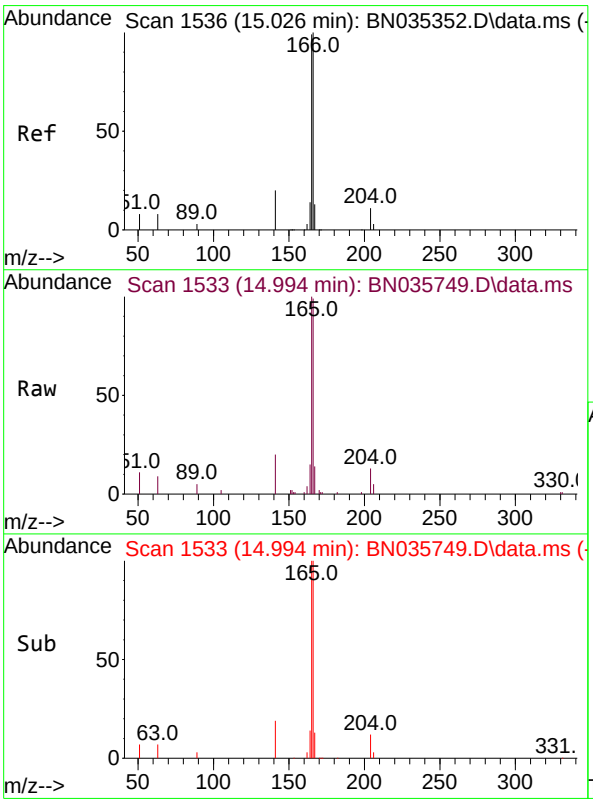
#17
Acenaphthene
Concen: 0.405 ng
RT: 13.989 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 5179

Ion	Ratio	Lower	Upper
154	100		
153	115.5	92.6	139.0
152	59.2	49.0	73.6

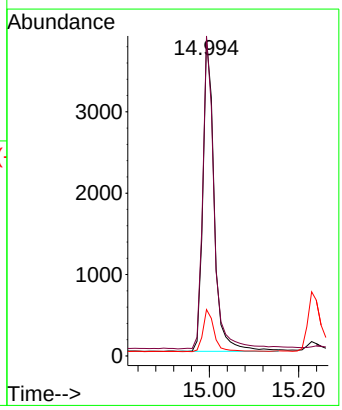


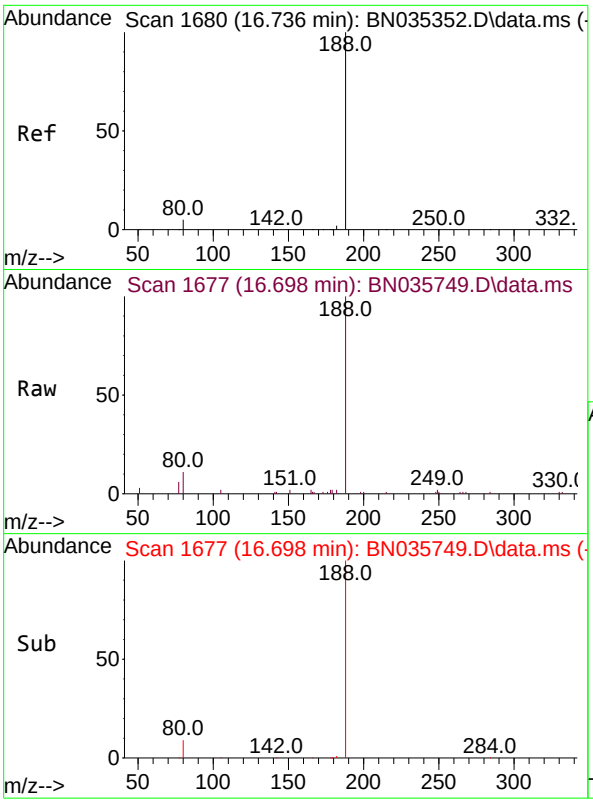


#18
Fluorene
Concen: 0.367 ng
RT: 14.994 min Scan# 1533
Delta R.T. -0.011 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Tgt Ion:166 Resp: 6721

Ion	Ratio	Lower	Upper
166	100		
165	99.7	79.7	119.5
167	13.6	10.8	16.2



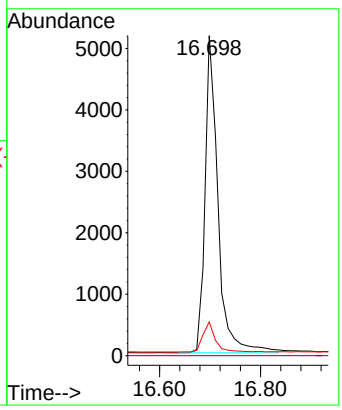


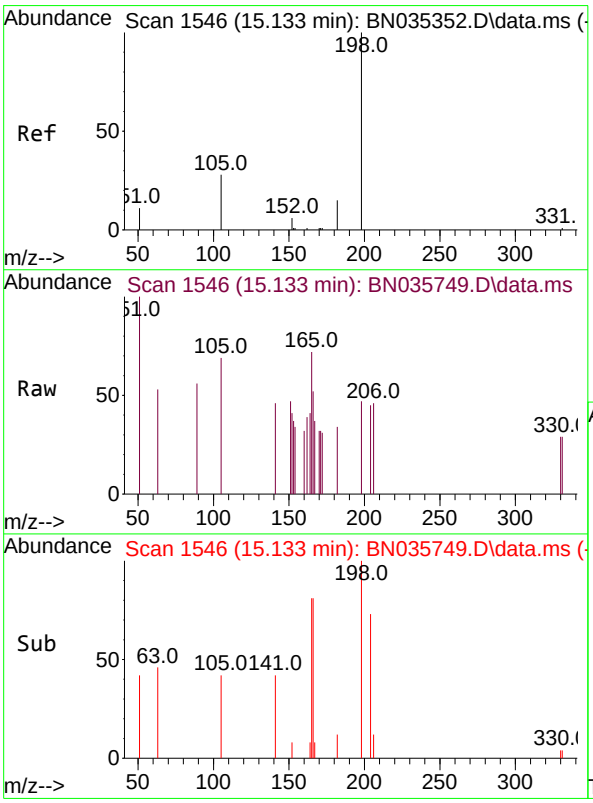
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.698 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 9182

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.6	4.6	6.8#

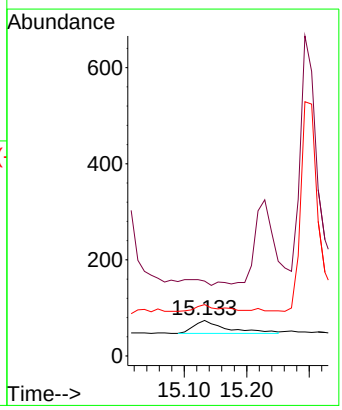


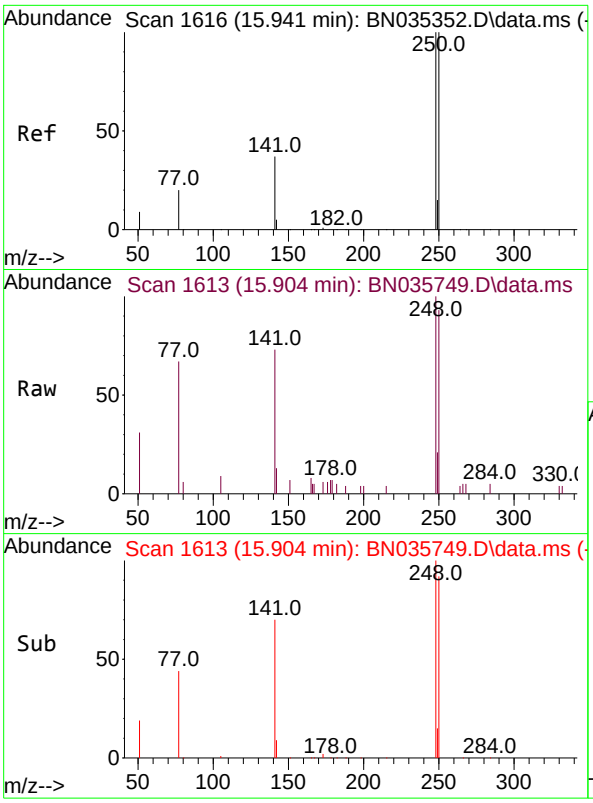


#20
4,6-Dinitro-2-methylphenol
Concen: 0.110 ng
RT: 15.133 min Scan# 1546
Delta R.T. 0.011 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Tgt Ion:198 Resp: 99

Ion	Ratio	Lower	Upper
198	100		
51	210.8	46.5	69.7#
105	144.6	45.3	67.9#



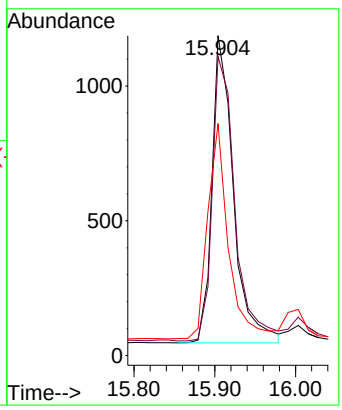


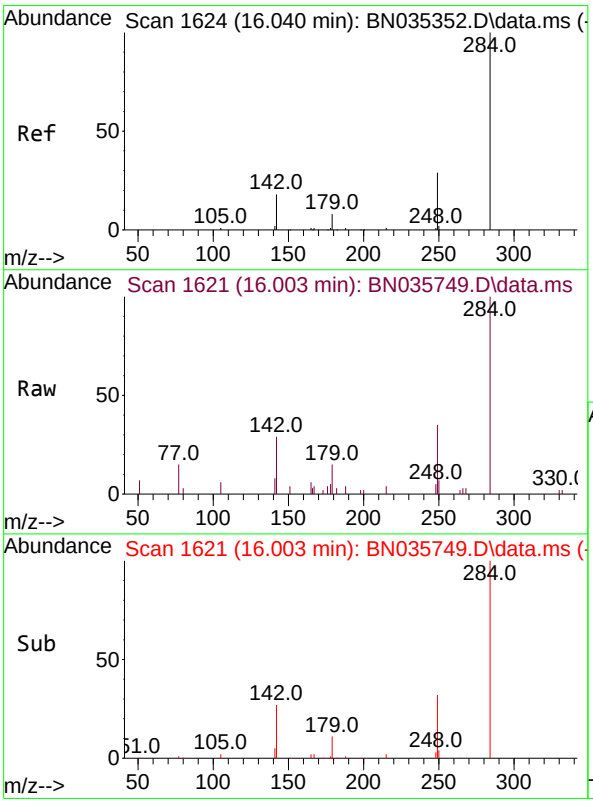
#21
4-Bromophenyl-phenylether
Concen: 0.393 ng
RT: 15.904 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:248 Resp: 2111

Ion	Ratio	Lower	Upper
248	100		
250	93.4	80.6	120.8
141	72.5	31.5	47.3#

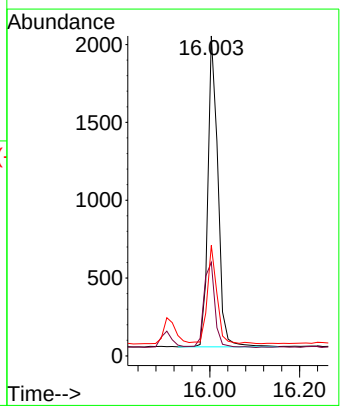


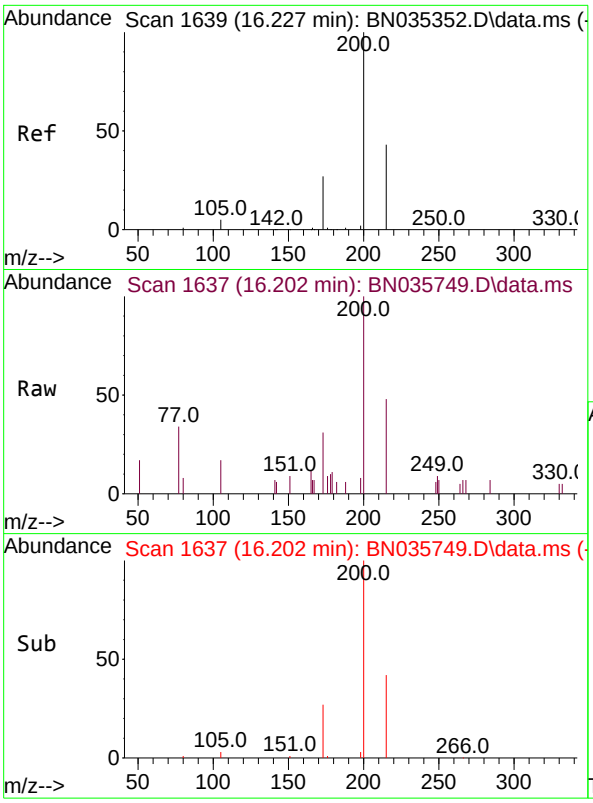


#22
Hexachlorobenzene
Concen: 0.487 ng
RT: 16.003 min Scan# 1621
Delta R.T. -0.012 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Tgt Ion:284 Resp: 3074

Ion	Ratio	Lower	Upper
284	100		
142	30.3	26.7	40.1
249	29.7	24.6	36.8



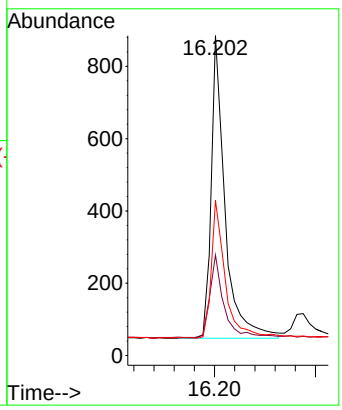


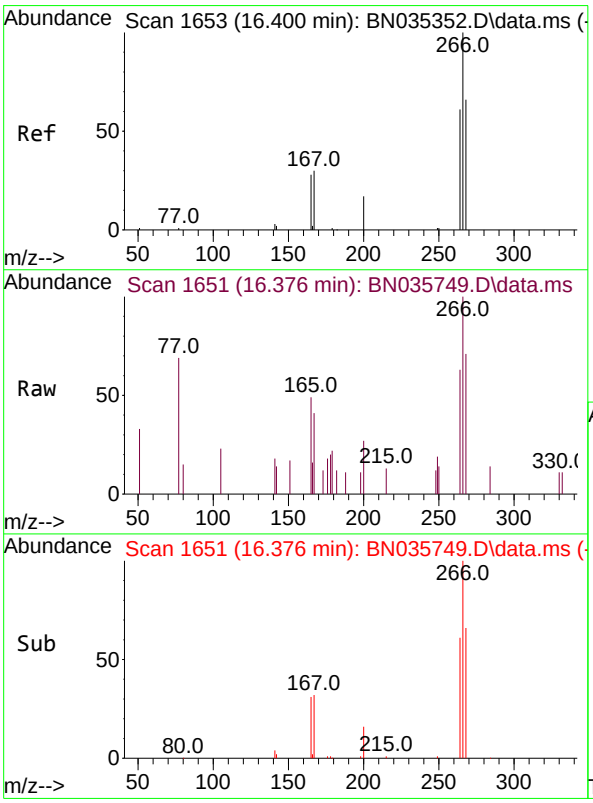
#23
Atrazine
Concen: 0.414 ng
RT: 16.202 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:200 Resp: 1584

Ion	Ratio	Lower	Upper
200	100		
173	31.4	24.1	36.1
215	48.5	36.9	55.3

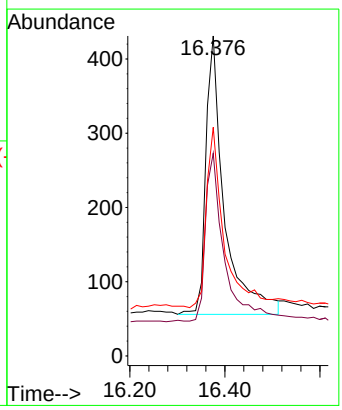


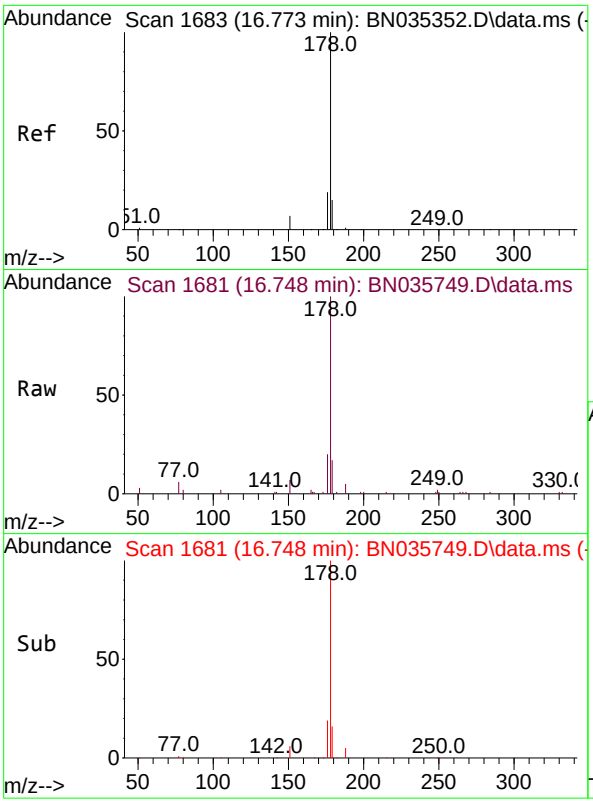


#24
Pentachlorophenol
Concen: 0.370 ng
RT: 16.376 min Scan# 1651
Delta R.T. -0.000 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Tgt Ion:266 Resp: 1014

Ion	Ratio	Lower	Upper
266	100		
264	61.4	42.3	63.5
268	64.0	43.3	64.9



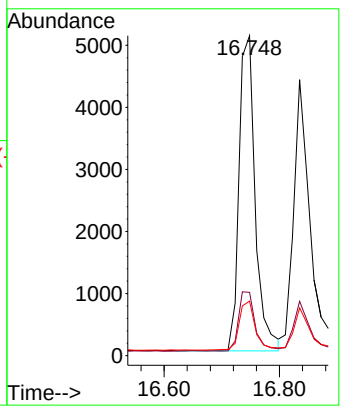


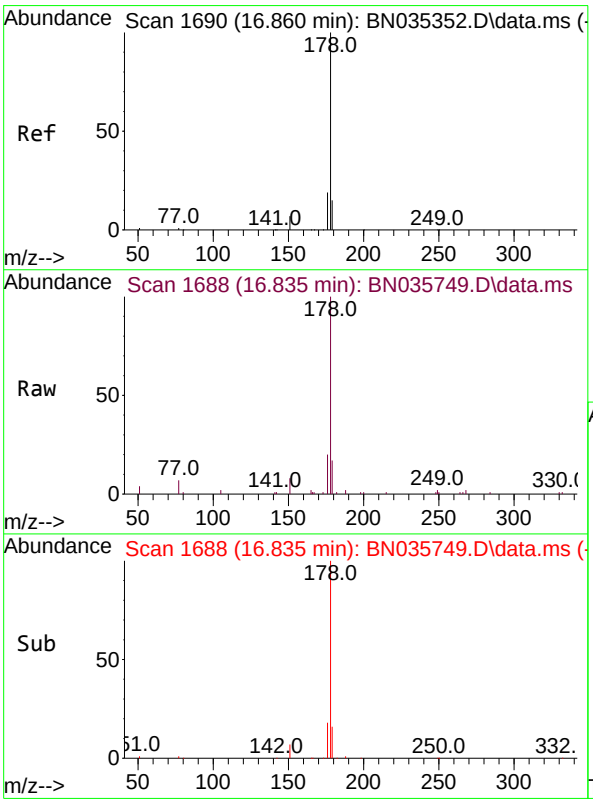
#25
Phenanthrene
Concen: 0.391 ng
RT: 16.748 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 9861

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	15.4	12.3	18.5

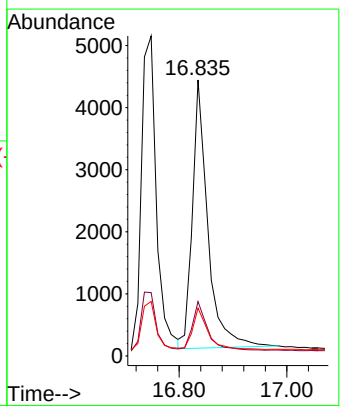


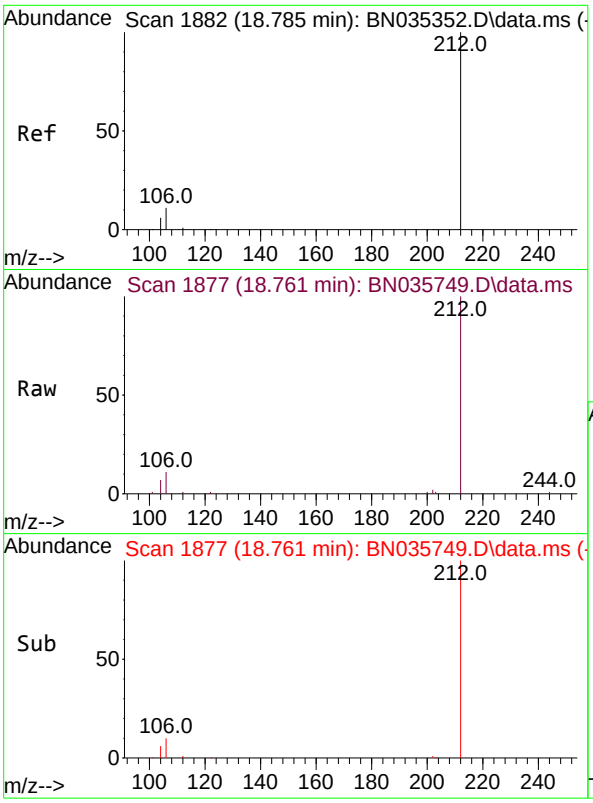


#26
Anthracene
Concen: 0.378 ng
RT: 16.835 min Scan# 1688
Delta R.T. -0.000 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Tgt Ion:178 Resp: 8624

Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.0	22.6
179	15.3	12.6	18.8



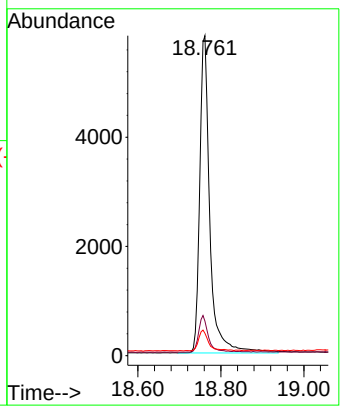


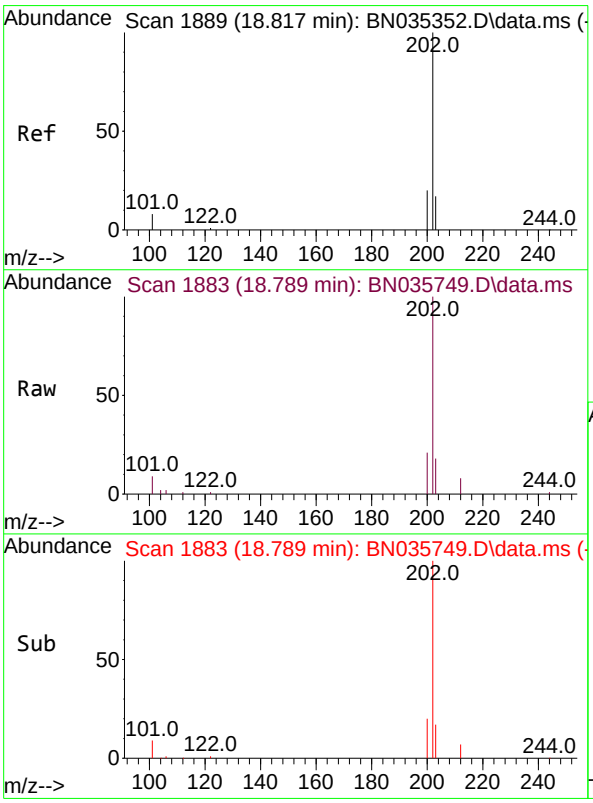
#27
Fluoranthene-d10
Concen: 0.379 ng
RT: 18.761 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 9858

Ion	Ratio	Lower	Upper
212	100		
106	11.0	9.2	13.8
104	6.4	5.3	7.9

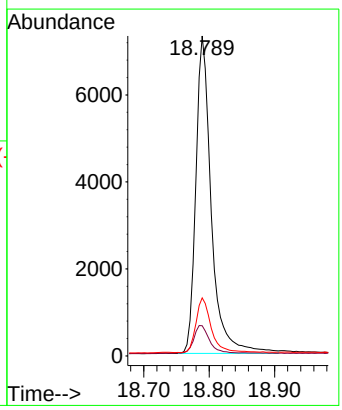


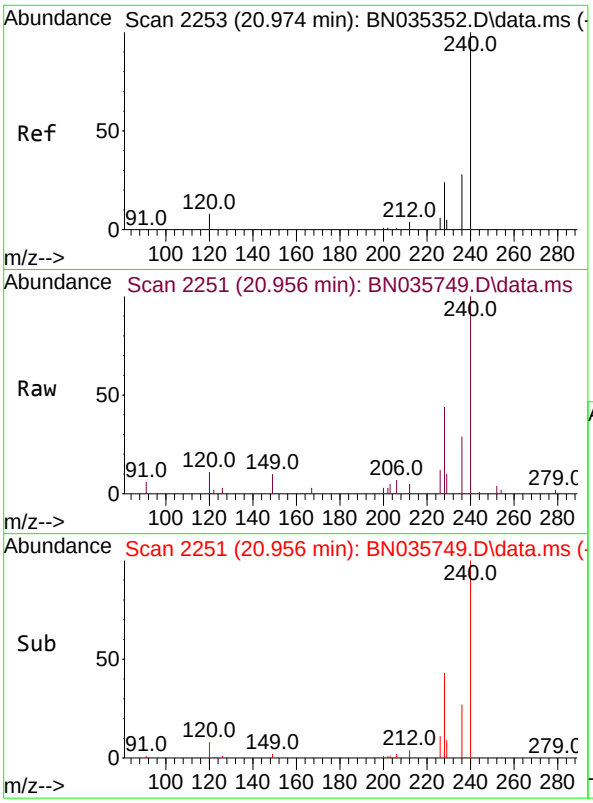


#28
Fluoranthene
Concen: 0.353 ng
RT: 18.789 min Scan# 1883
Delta R.T. -0.000 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Tgt Ion:202 Resp: 12002

Ion	Ratio	Lower	Upper
202	100		
101	9.1	7.4	11.0
203	17.1	13.7	20.5



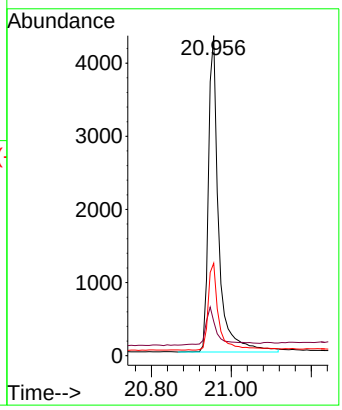


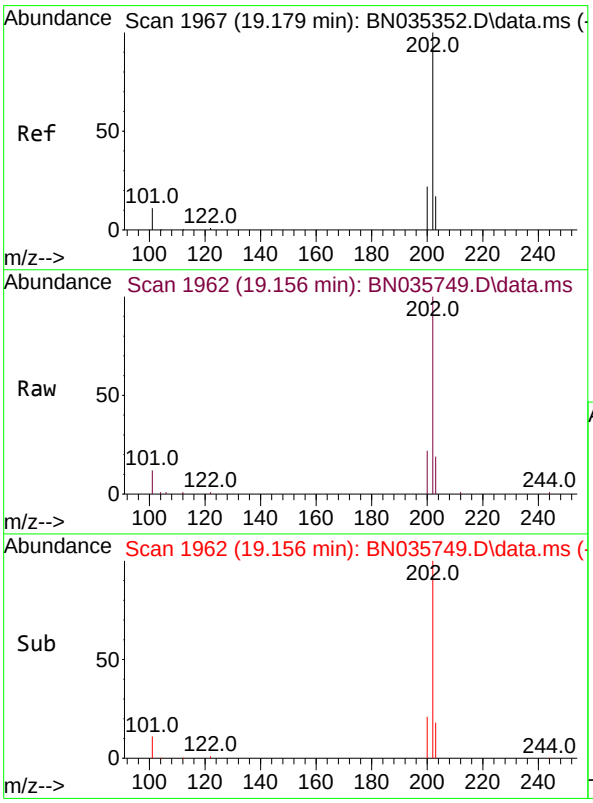
#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.956 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 7719

Ion	Ratio	Lower	Upper
240	100		
120	10.7	7.9	11.9
236	28.9	22.9	34.3

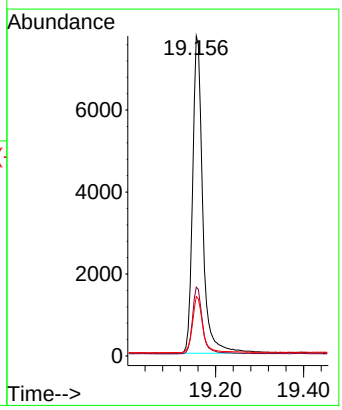


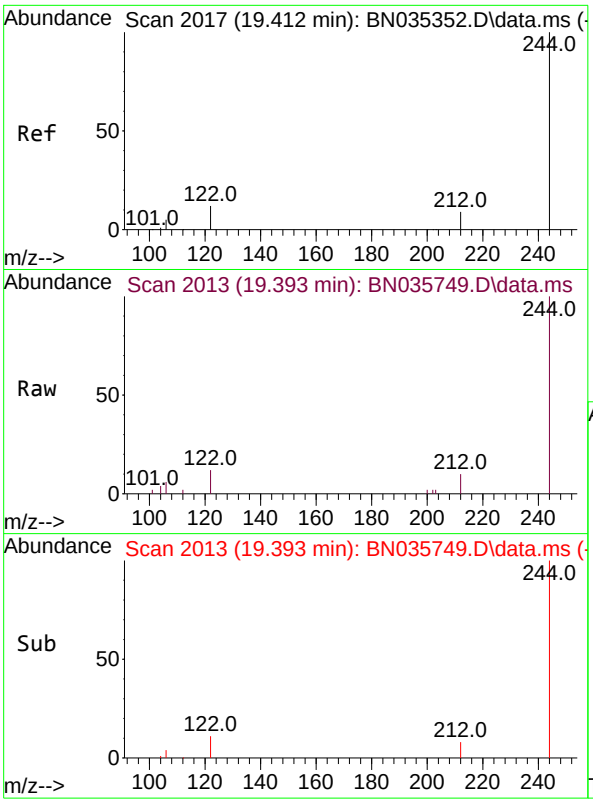


#30
Pyrene
Concen: 0.438 ng
RT: 19.156 min Scan# 1962
Delta R.T. -0.005 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Tgt Ion:202 Resp: 12468

Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.0	25.4
203	17.8	14.3	21.5



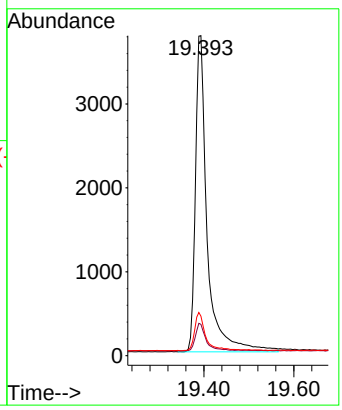


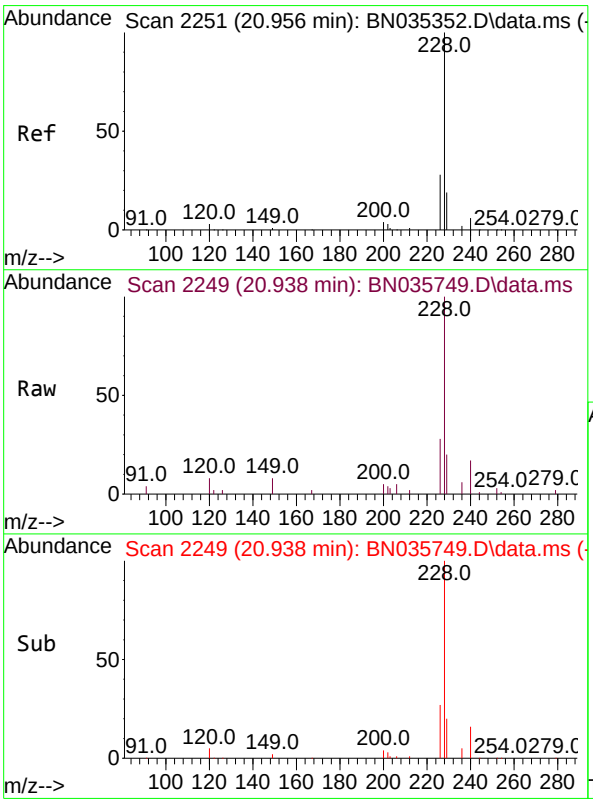
#31
Terphenyl-d14
Concen: 0.452 ng
RT: 19.393 min Scan# 2
Delta R.T. 0.005 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 6880

Ion	Ratio	Lower	Upper
244	100		
212	9.8	8.1	12.1
122	12.4	10.3	15.5

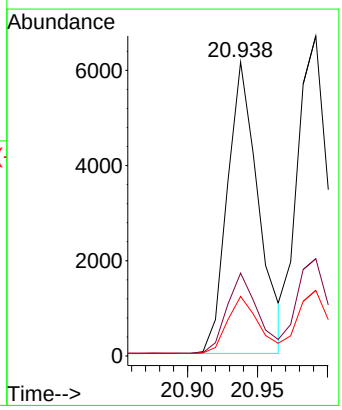


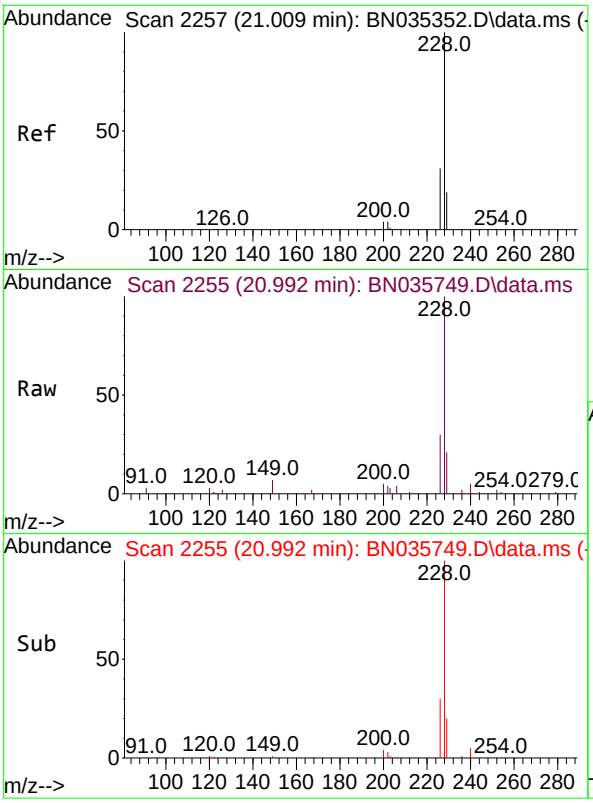


#32
Benzo(a)anthracene
Concen: 0.351 ng
RT: 20.938 min Scan# 2249
Delta R.T. -0.000 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Tgt Ion:228 Resp: 9472

Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.5	33.7
229	20.3	15.8	23.8



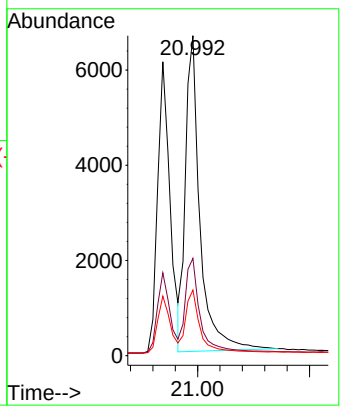


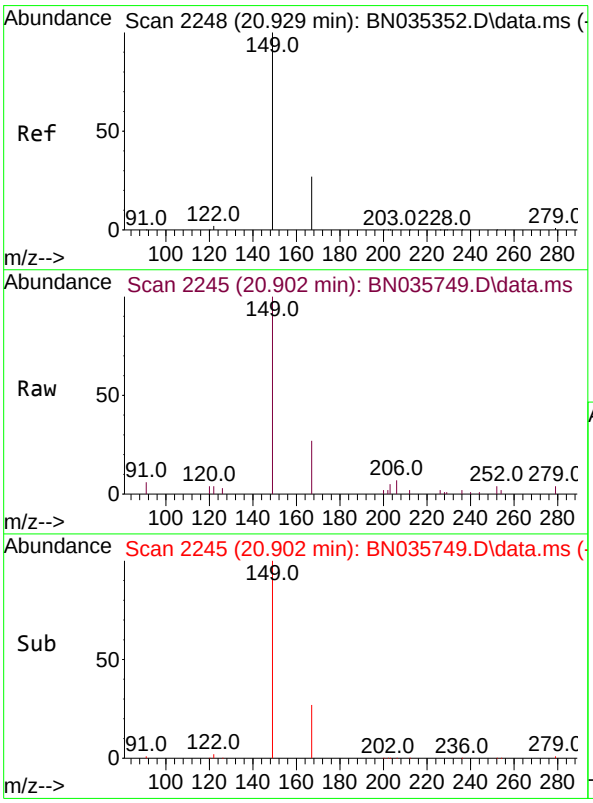
#33
Chrysene
Concen: 0.429 ng
RT: 20.992 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 11952

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.6	37.0
229	20.5	15.9	23.9

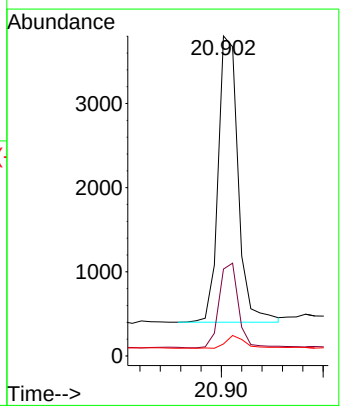


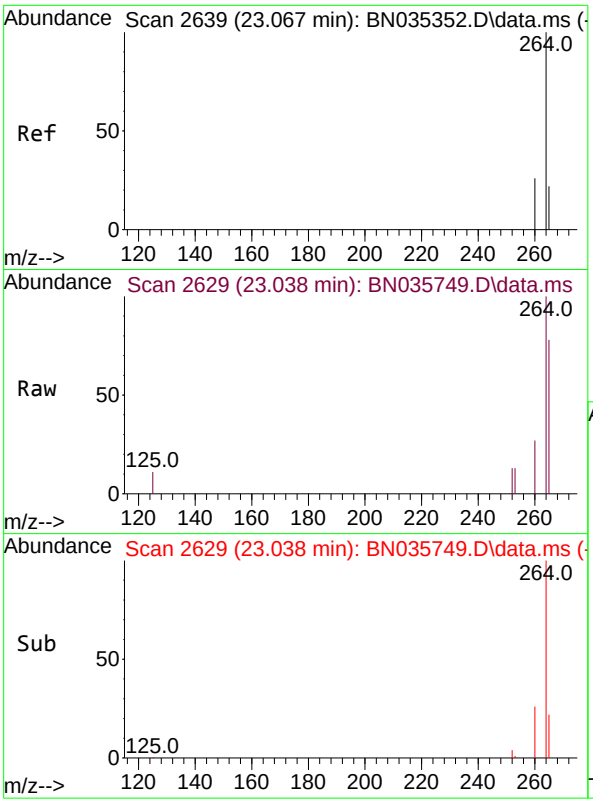


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.434 ng
RT: 20.902 min Scan# 2245
Delta R.T. -0.009 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Tgt Ion:149 Resp: 4632

Ion	Ratio	Lower	Upper
149	100		
167	28.9	22.2	33.4
279	4.5	2.7	4.1#



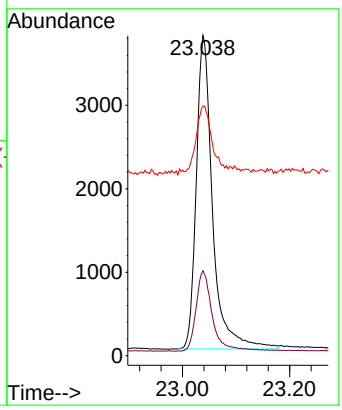


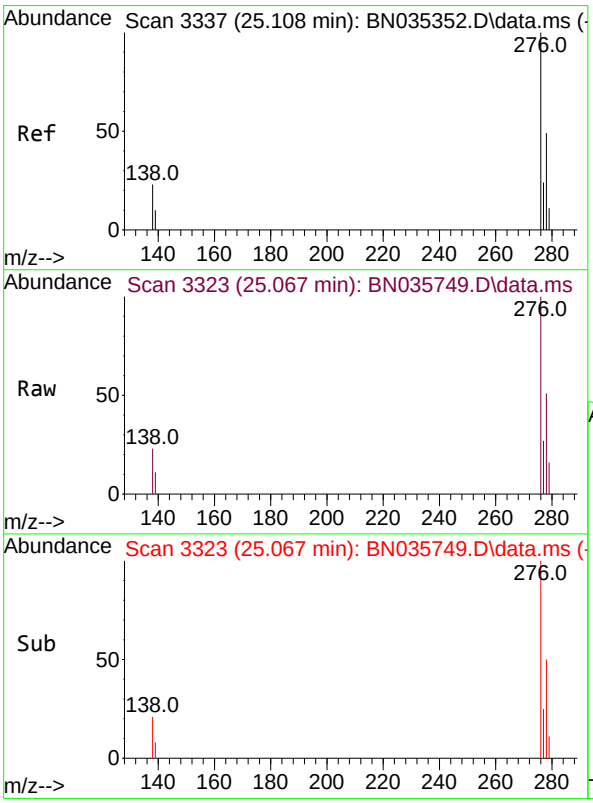
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.038 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:264 Resp: 7943

Ion	Ratio	Lower	Upper
264	100		
260	26.5	21.4	32.2
265	78.1	40.2	60.4#

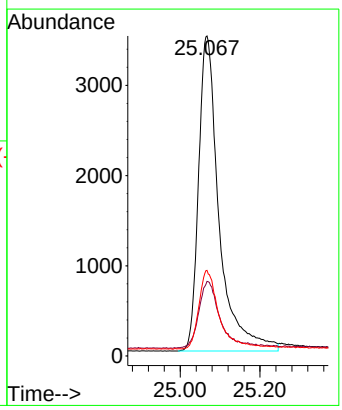


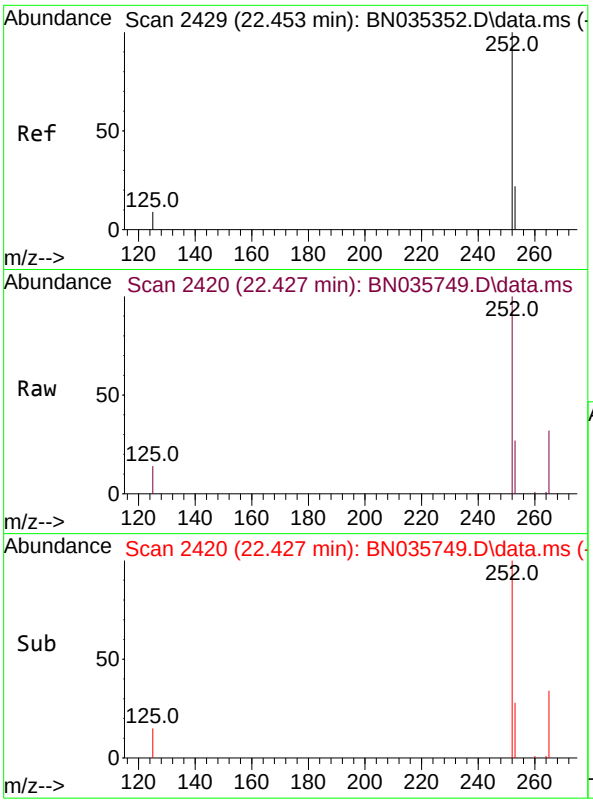


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.404 ng
RT: 25.067 min Scan# 3323
Delta R.T. -0.000 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Tgt Ion:276 Resp: 12531

Ion	Ratio	Lower	Upper
276	100		
138	21.0	19.4	29.0
277	24.2	19.8	29.6



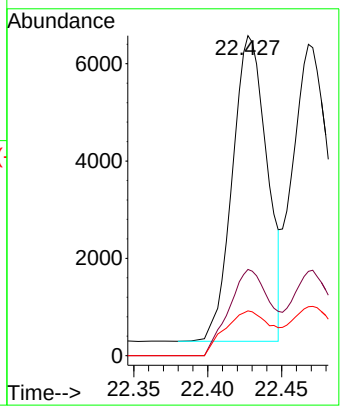


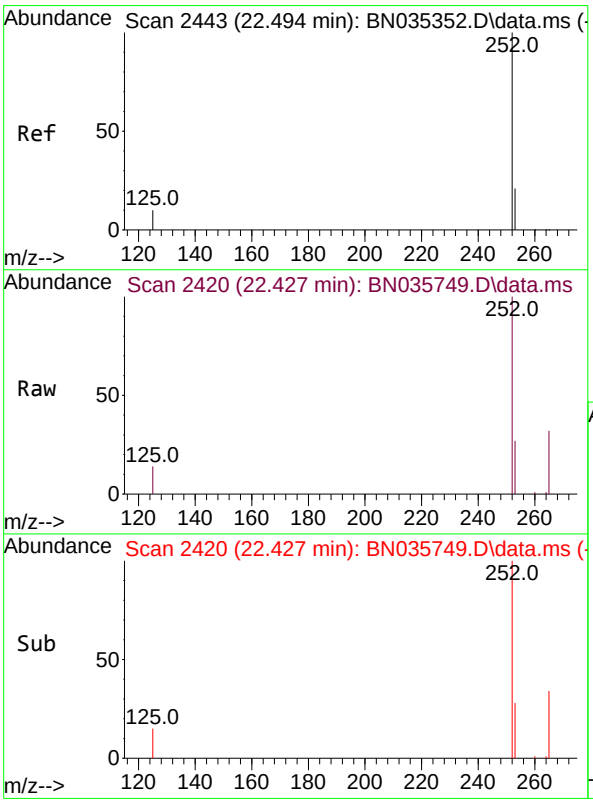
#37
Benzo(b)fluoranthene
Concen: 0.472 ng
RT: 22.427 min Scan# 24
Delta R.T. -0.003 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 13708

Ion	Ratio	Lower	Upper
252	100		
253	26.9	19.6	29.4
125	14.0	9.6	14.4

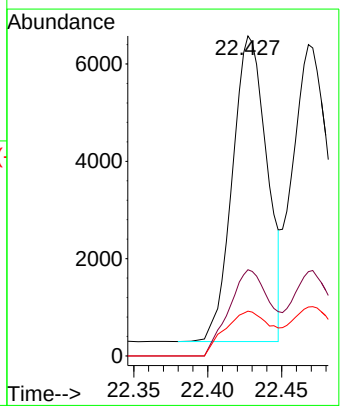


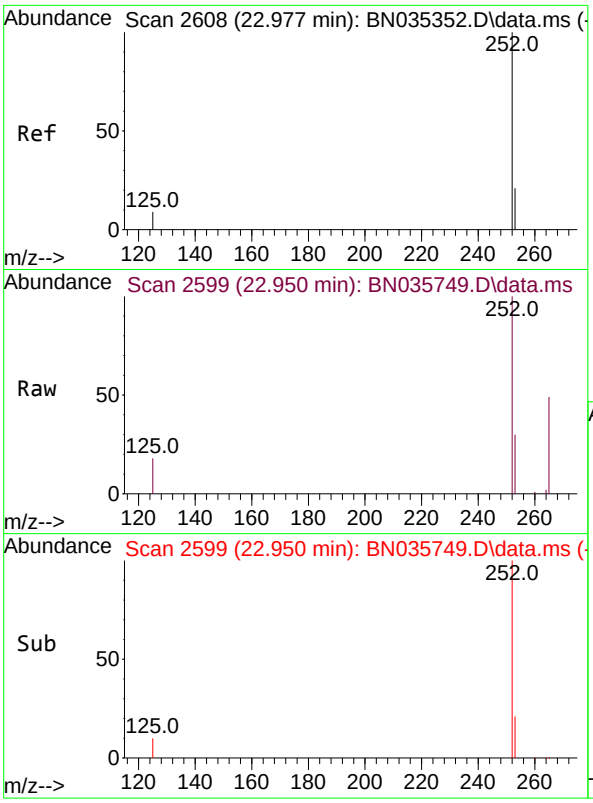


#38
Benzo(k)fluoranthene
Concen: 0.479 ng
RT: 22.427 min Scan# 2420
Delta R.T. -0.044 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Tgt Ion:252 Resp: 13708

Ion	Ratio	Lower	Upper
252	100		
253	26.9	19.5	29.3
125	14.0	10.2	15.4



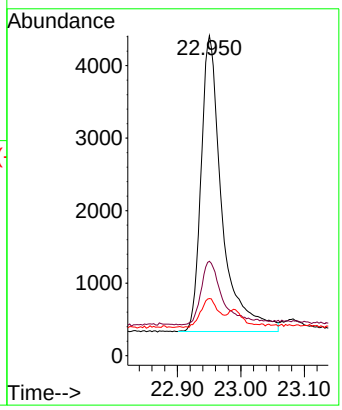


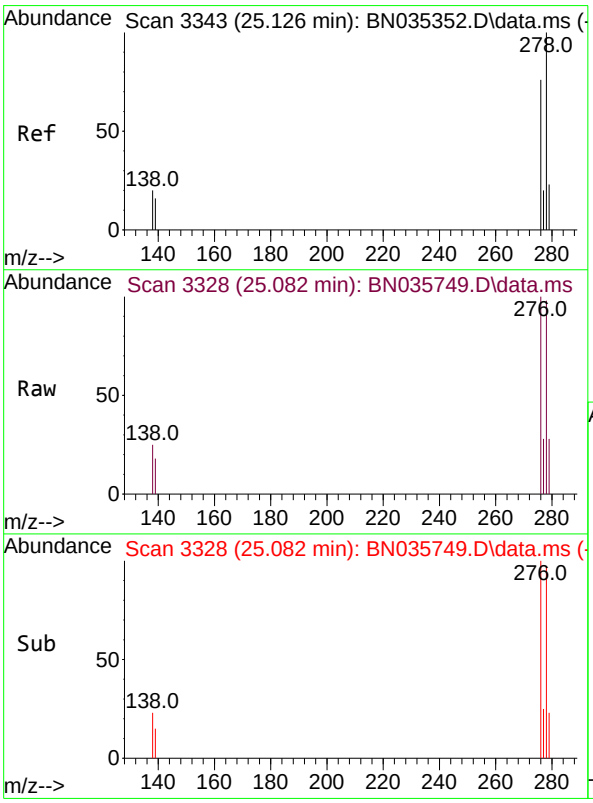
#39
Benzo(a)pyrene
Concen: 0.389 ng
RT: 22.950 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 9304

Ion	Ratio	Lower	Upper
252	100		
253	29.5	20.2	30.4
125	17.9	10.9	16.3#

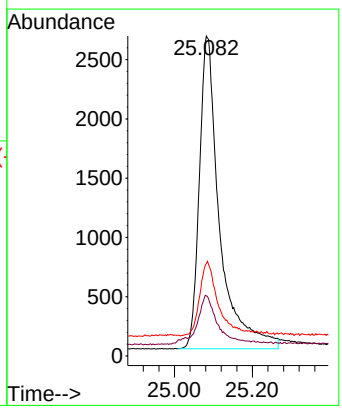


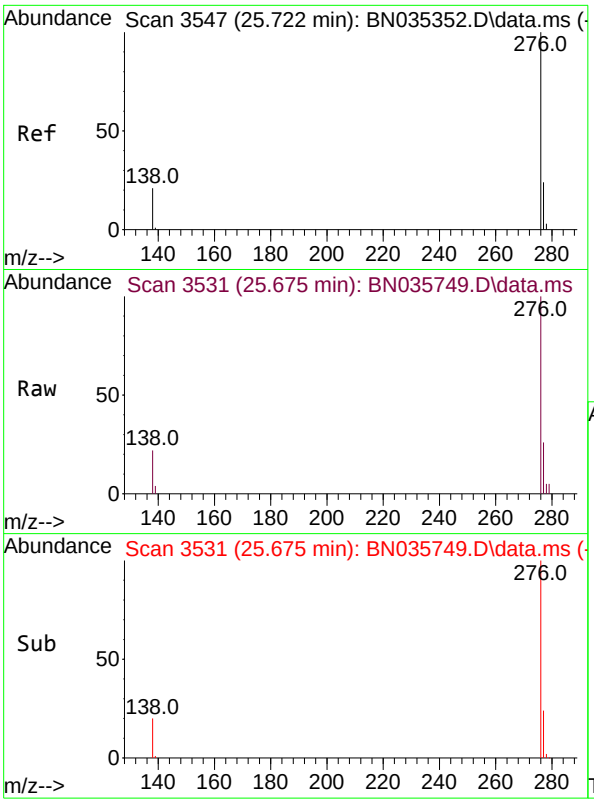


#40
Dibenzo(a,h)anthracene
Concen: 0.389 ng
RT: 25.082 min Scan# 3328
Delta R.T. -0.000 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Tgt Ion:278 Resp: 9530

Ion	Ratio	Lower	Upper
278	100		
139	18.7	14.2	21.4
279	28.9	20.5	30.7



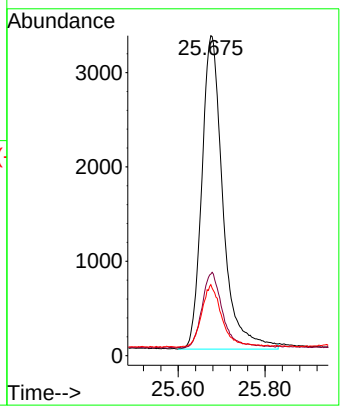


#41
Benzo(g,h,i)perylene
Concen: 0.438 ng
RT: 25.675 min Scan# 3
Delta R.T. -0.003 min
Lab File: BN035749.D
Acq: 20 Dec 2024 19:33

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 11213

Ion	Ratio	Lower	Upper
276	100		
277	25.5	19.9	29.9
138	22.2	17.8	26.8



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035752.D
Acq On : 20 Dec 2024 21:21
Operator : RC/JU
Sample : P5261-09DL 2X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE134D3-20241210DL

Quant Time: Dec 21 01:43:50 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

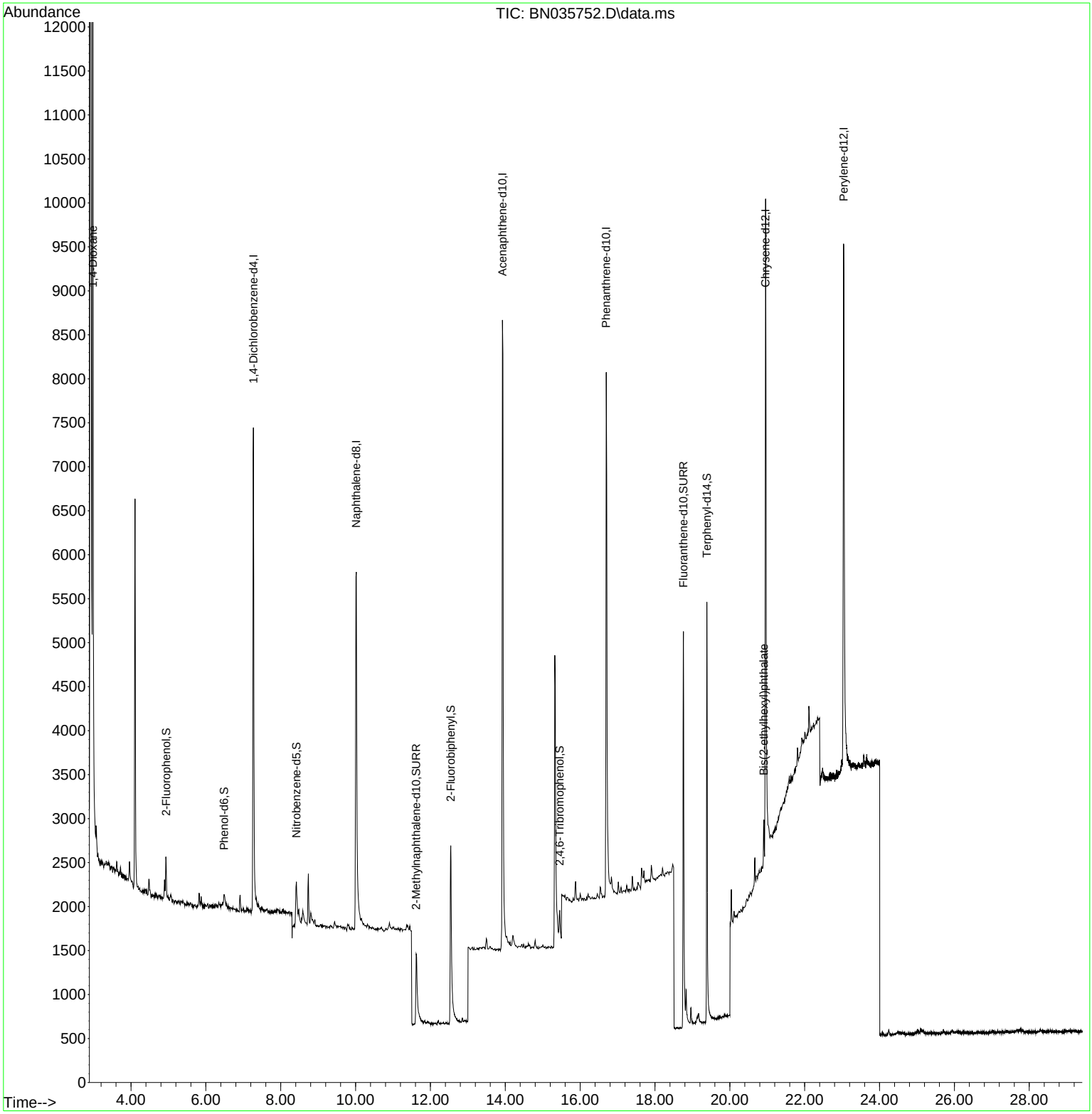
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.271	152	3092	0.400	ng	0.00
7) Naphthalene-d8	10.020	136	8022	0.400	ng	# 0.00
13) Acenaphthene-d10	13.924	164	5392	0.400	ng	-0.01
19) Phenanthrene-d10	16.698	188	11029	0.400	ng	# 0.00
29) Chrysene-d12	20.955	240	9477	0.400	ng	# 0.00
35) Perylene-d12	23.044	264	9623	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.938	112	457	0.059	ng	0.00
5) Phenol-d6	6.491	99	227	0.024	ng	0.00
8) Nitrobenzene-d5	8.418	82	1162	0.237	ng	0.01
11) 2-Methylnaphthalene-d10	11.620	152	2145	0.171	ng	0.00
14) 2,4,6-Tribromophenol	15.453	330	384	0.100	ng	0.00
15) 2-Fluorobiphenyl	12.543	172	3190	0.157	ng	0.00
27) Fluoranthene-d10	18.761	212	6495	0.208	ng	0.00
31) Terphenyl-d14	19.388	244	5542	0.296	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.981	88	9199	3.112	ng	99
34) Bis(2-ethylhexyl)phtha...	20.911	149	586	0.045	ng	# 93

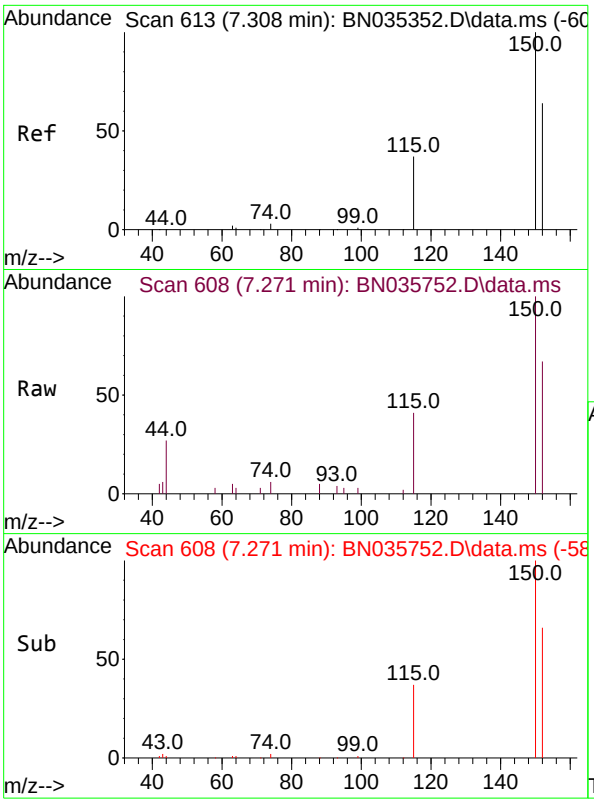
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035752.D
Acq On : 20 Dec 2024 21:21
Operator : RC/JU
Sample : P5261-09DL 2X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE134D3-20241210DL

Quant Time: Dec 21 01:43:50 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration



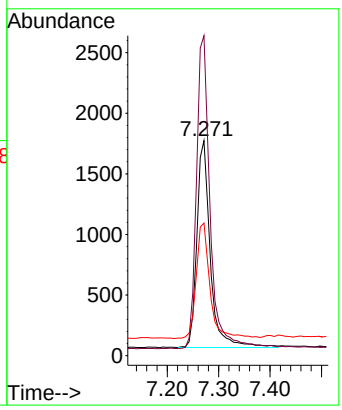


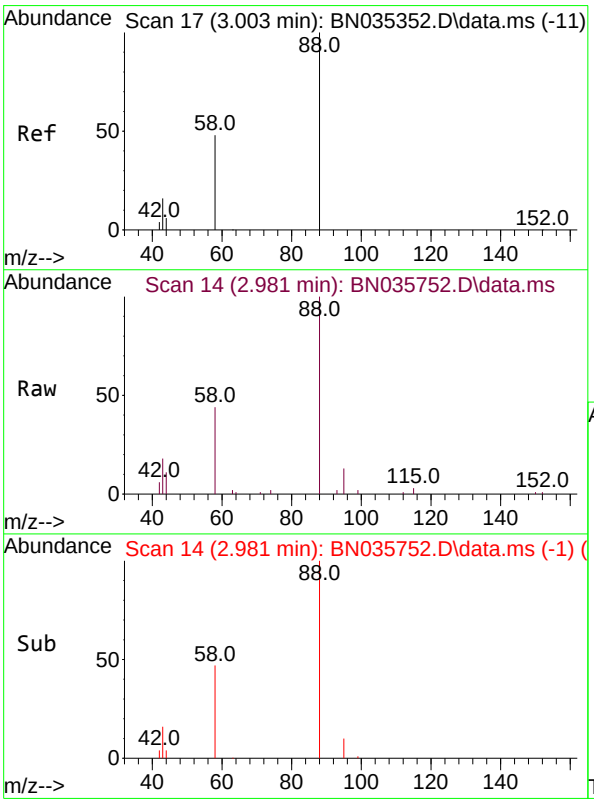
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.271 min Scan# 6
Delta R.T. -0.001 min
Lab File: BN035752.D
Acq: 20 Dec 2024 21:21

Instrument :
BNA_N
ClientSampleId :
RE134D3-20241210DL

Tgt Ion:152 Resp: 3092

Ion	Ratio	Lower	Upper
152	100		
150	148.8	124.0	186.0
115	61.7	49.6	74.4

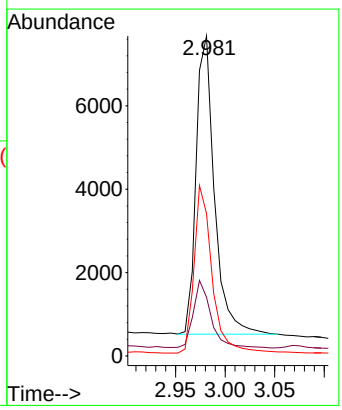


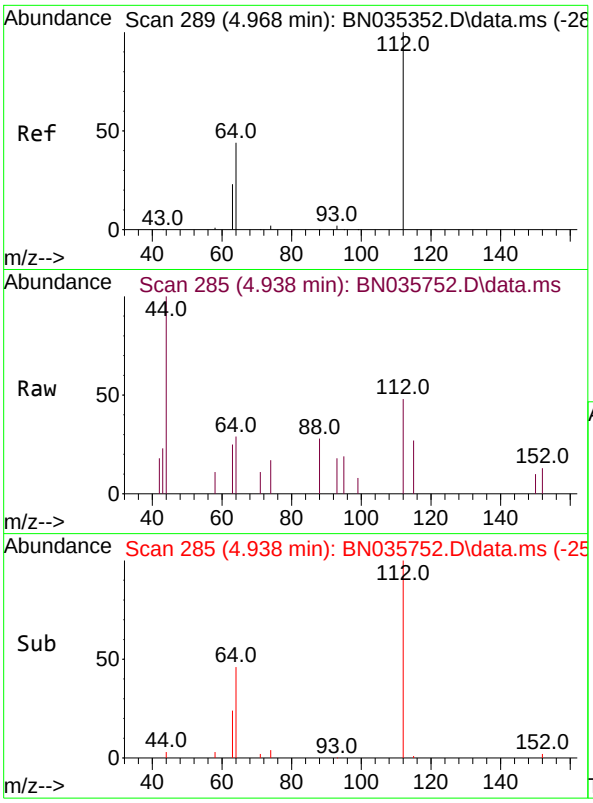


#2
1,4-Dioxane
Concen: 3.112 ng
RT: 2.981 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035752.D
Acq: 20 Dec 2024 21:21

Tgt Ion: 88 Resp: 9199

Ion	Ratio	Lower	Upper
88	100		
43	21.9	17.2	25.8
58	55.3	44.5	66.7



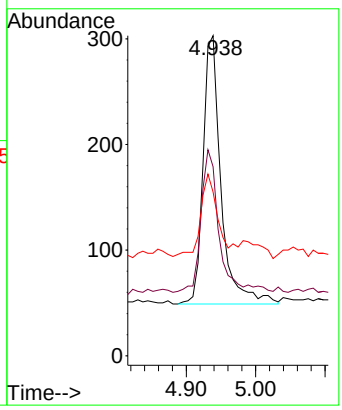


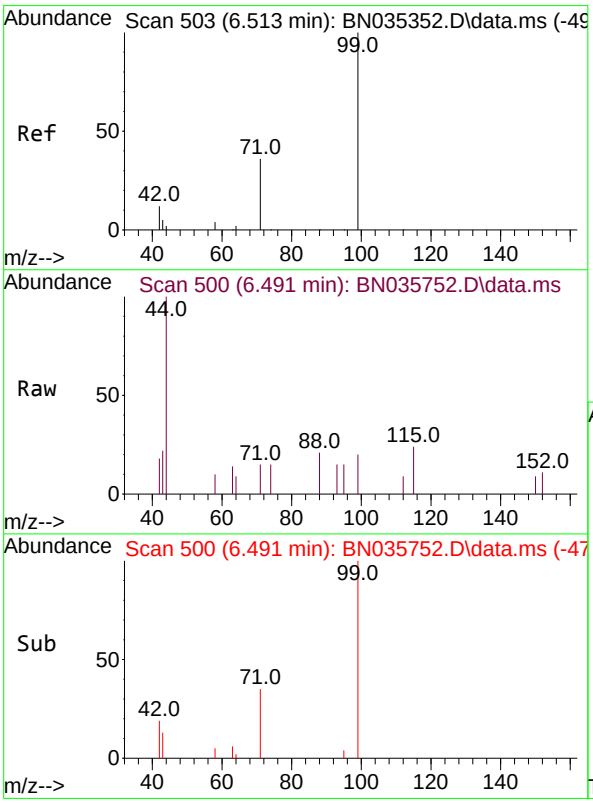
#4
2-Fluorophenol
Concen: 0.059 ng
RT: 4.938 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035752.D
Acq: 20 Dec 2024 21:21

Instrument :
BNA_N
ClientSampleId :
RE134D3-20241210DL

Tgt Ion:112 Resp: 457

Ion	Ratio	Lower	Upper
112	100		
64	53.4	39.8	59.8
63	29.5	21.0	31.6

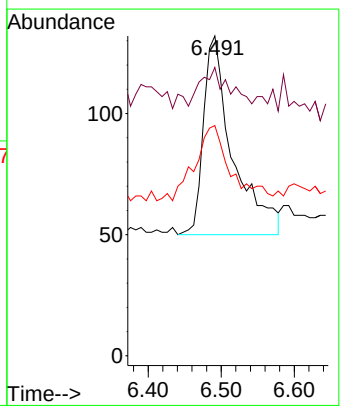


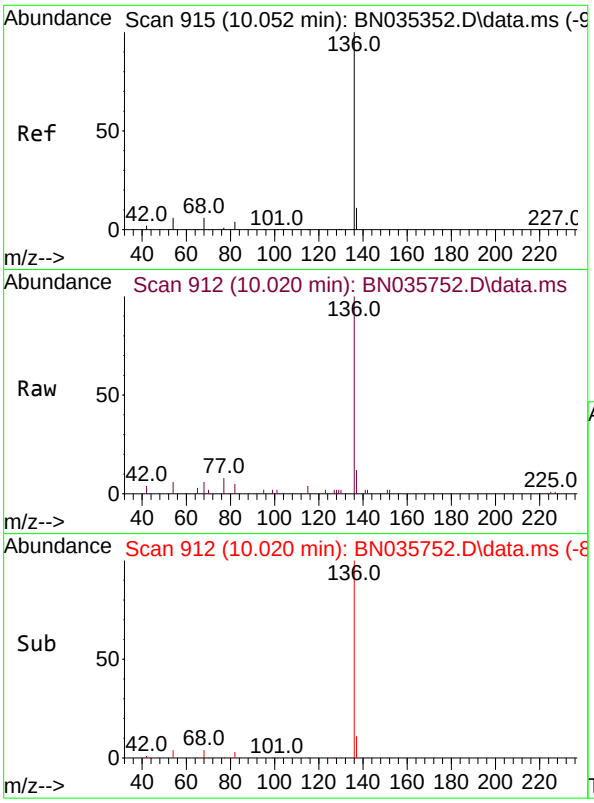


#5
Phenol-d6
Concen: 0.024 ng
RT: 6.491 min Scan# 500
Delta R.T. -0.000 min
Lab File: BN035752.D
Acq: 20 Dec 2024 21:21

Tgt Ion: 99 Resp: 227

Ion	Ratio	Lower	Upper
99	100		
42	26.0	11.4	17.2#
71	42.3	29.3	43.9



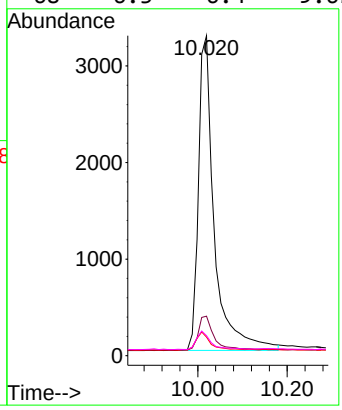


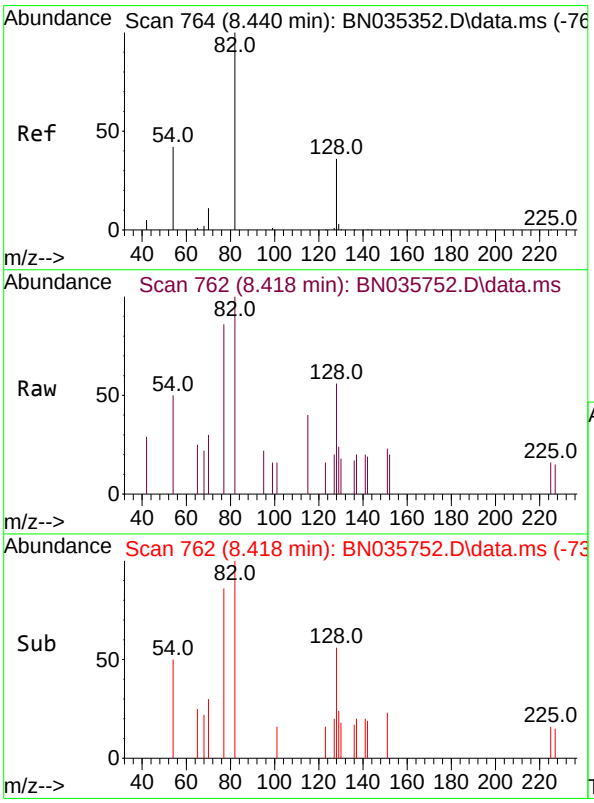
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.020 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN035752.D
Acq: 20 Dec 2024 21:21

Instrument :
BNA_N
ClientSampleId :
RE134D3-20241210DL

Tgt Ion:136 Resp: 8022

Ion	Ratio	Lower	Upper
136	100		
137	12.3	10.2	15.2
54	5.8	6.1	9.1#
68	6.3	6.4	9.6#

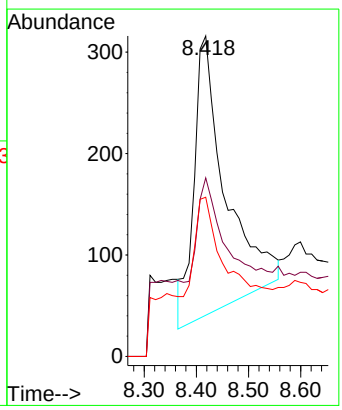


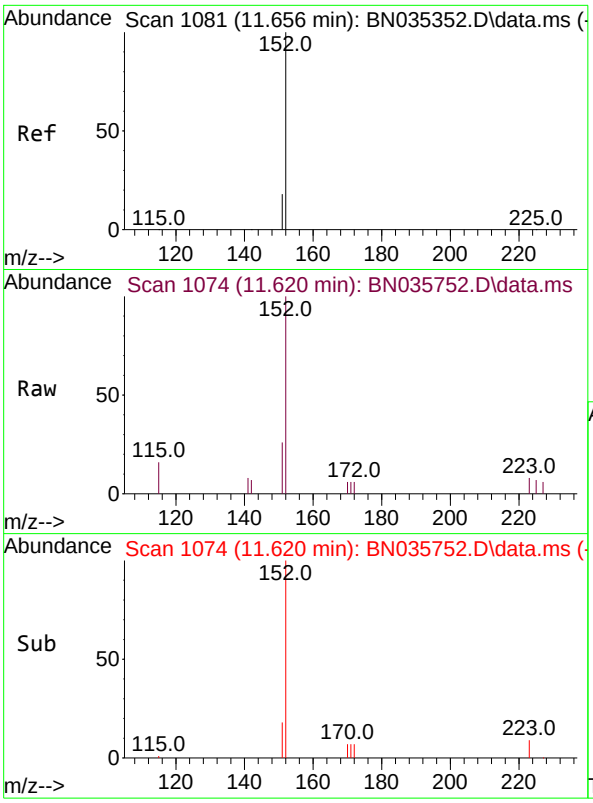


#8
Nitrobenzene-d5
Concen: 0.237 ng
RT: 8.418 min Scan# 762
Delta R.T. 0.010 min
Lab File: BN035752.D
Acq: 20 Dec 2024 21:21

Tgt Ion: 82 Resp: 1162

Ion	Ratio	Lower	Upper
82	100		
128	55.7	33.4	50.0#
54	49.7	36.7	55.1



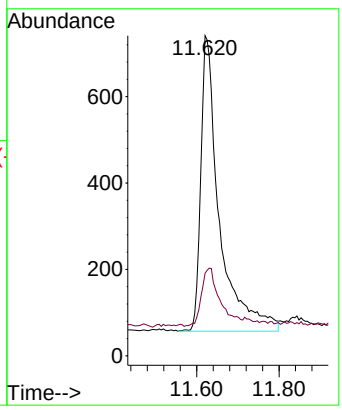


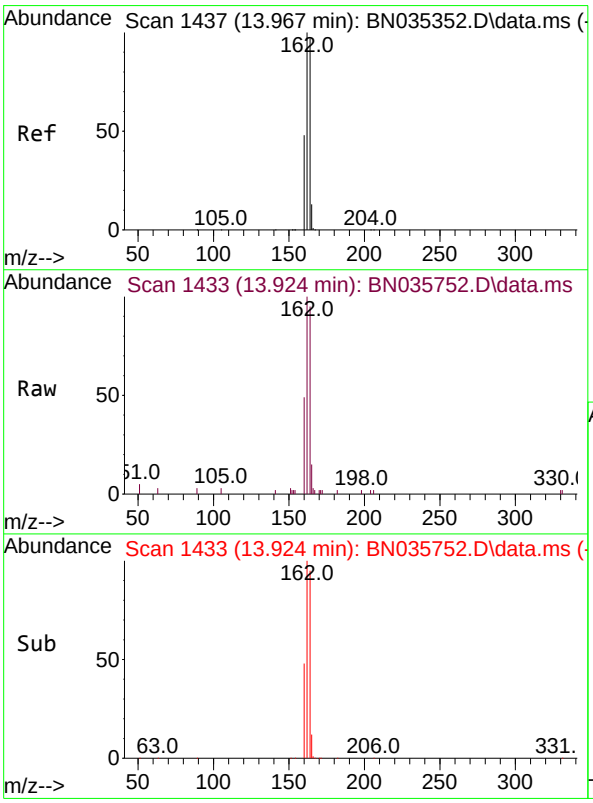
#11
2-Methylnaphthalene-d10
Concen: 0.171 ng
RT: 11.620 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035752.D
Acq: 20 Dec 2024 21:21

Instrument :
BNA_N
ClientSampleId :
RE134D3-20241210DL

Tgt Ion:152 Resp: 2145

Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.6	25.0

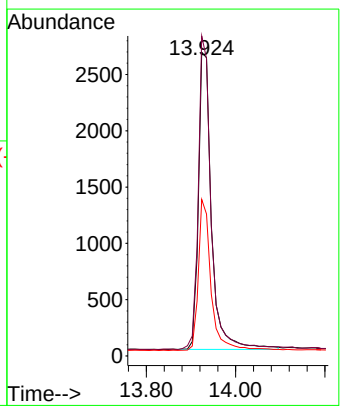


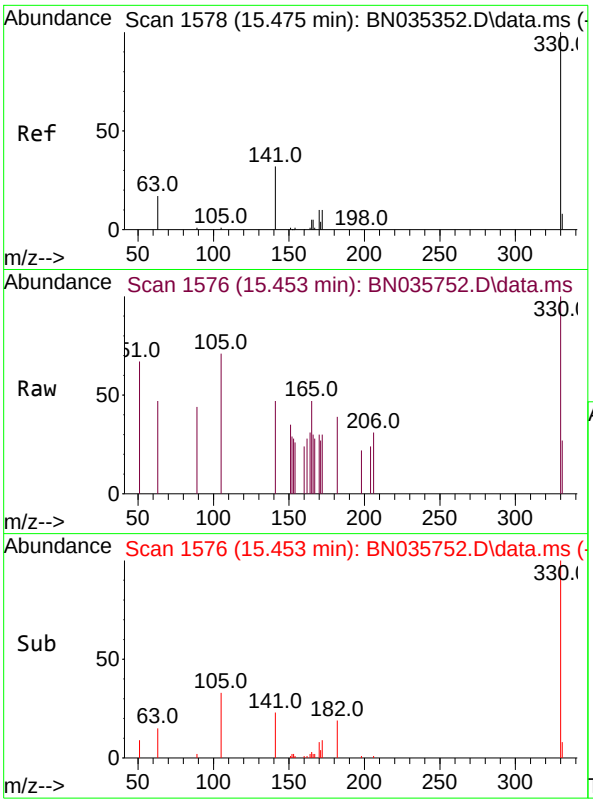


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.924 min Scan# 1433
Delta R.T. -0.011 min
Lab File: BN035752.D
Acq: 20 Dec 2024 21:21

Tgt Ion:164 Resp: 5392

Ion	Ratio	Lower	Upper
164	100		
162	105.4	82.2	123.2
160	51.5	40.1	60.1



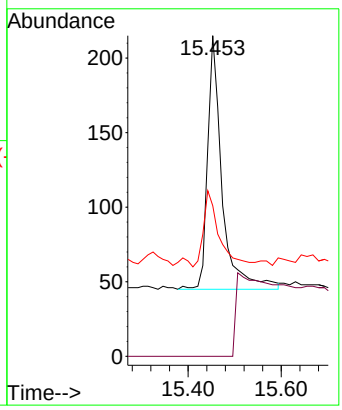


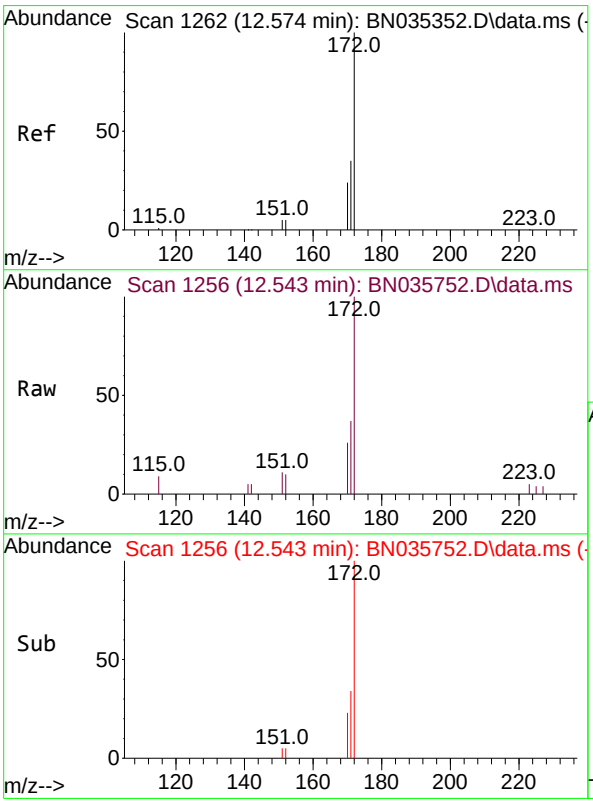
#14
2,4,6-Tribromophenol
Concen: 0.100 ng
RT: 15.453 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035752.D
Acq: 20 Dec 2024 21:21

Instrument :
BNA_N
ClientSampleId :
RE134D3-20241210DL

Tgt Ion:330 Resp: 384

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	31.5	26.6	40.0

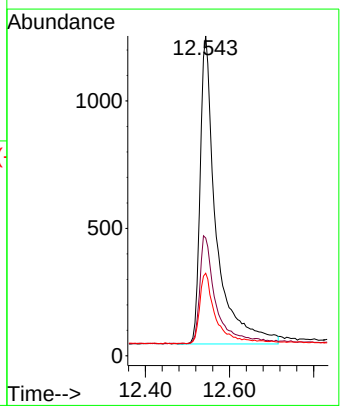


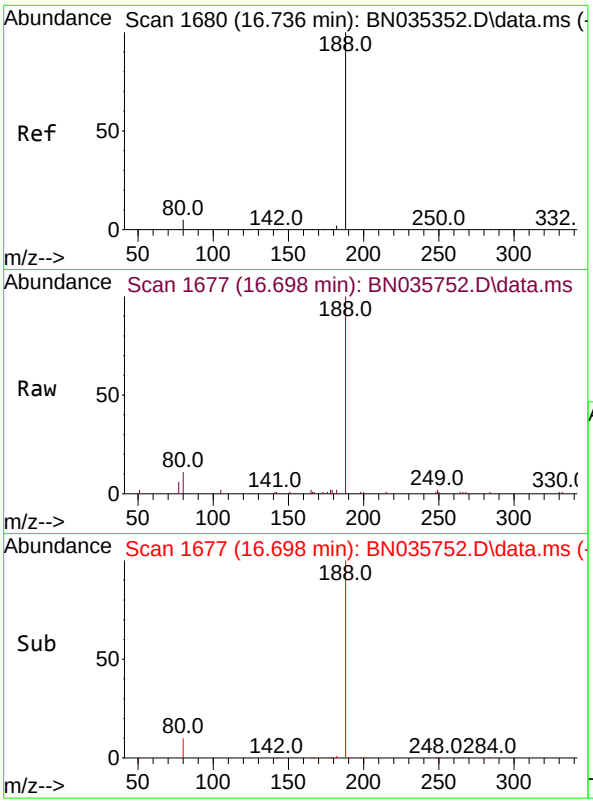


#15
2-Fluorobiphenyl
Concen: 0.157 ng
RT: 12.543 min Scan# 1256
Delta R.T. -0.000 min
Lab File: BN035752.D
Acq: 20 Dec 2024 21:21

Tgt Ion:172 Resp: 3190

Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.0	43.4
170	25.8	19.8	29.8



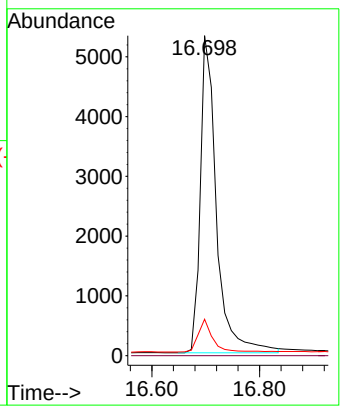


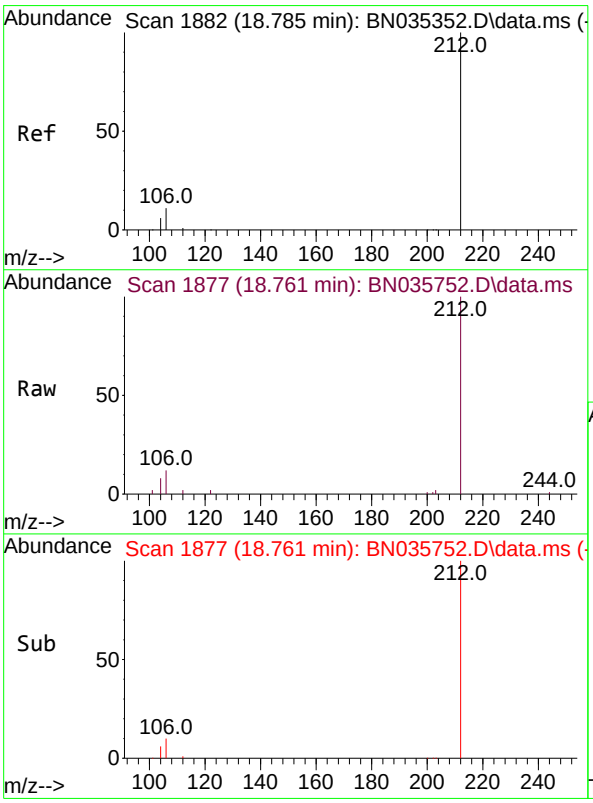
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.698 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN035752.D
Acq: 20 Dec 2024 21:21

Instrument :
BNA_N
ClientSampleId :
RE134D3-20241210DL

Tgt Ion:188 Resp: 11029

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.4	4.6	6.8#

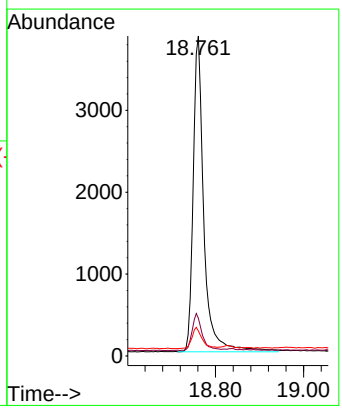


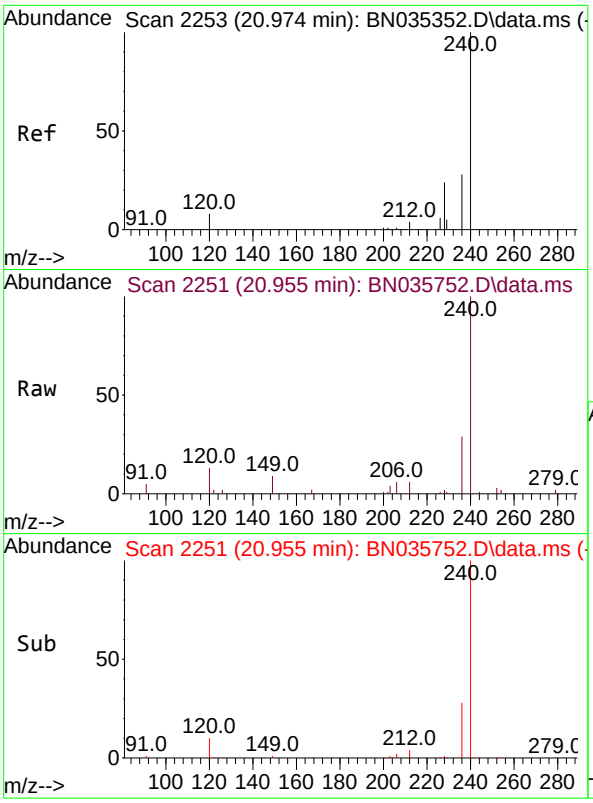


#27
Fluoranthene-d10
Concen: 0.208 ng
RT: 18.761 min Scan# 1877
Delta R.T. -0.000 min
Lab File: BN035752.D
Acq: 20 Dec 2024 21:21

Tgt Ion:212 Resp: 6495

Ion	Ratio	Lower	Upper
212	100		
106	11.0	9.2	13.8
104	6.4	5.3	7.9



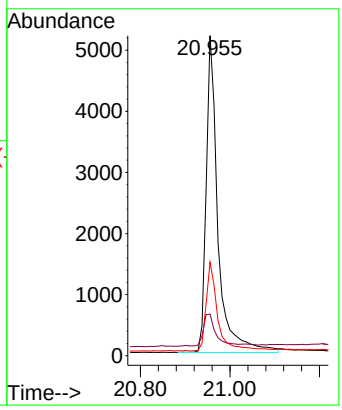


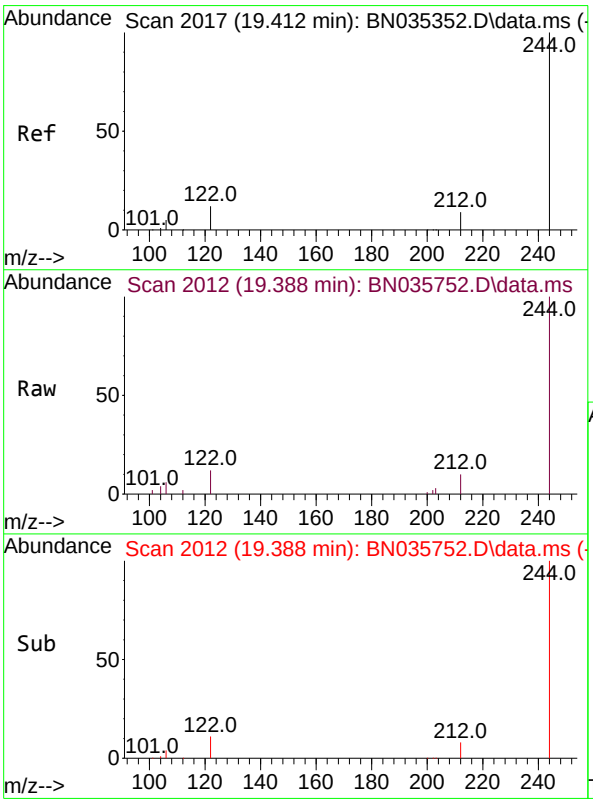
#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.955 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035752.D
Acq: 20 Dec 2024 21:21

Instrument :
BNA_N
ClientSampleId :
RE134D3-20241210DL

Tgt Ion:240 Resp: 9477

Ion	Ratio	Lower	Upper
240	100		
120	13.0	7.9	11.9#
236	29.2	22.9	34.3

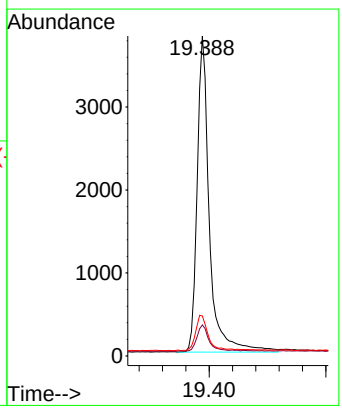


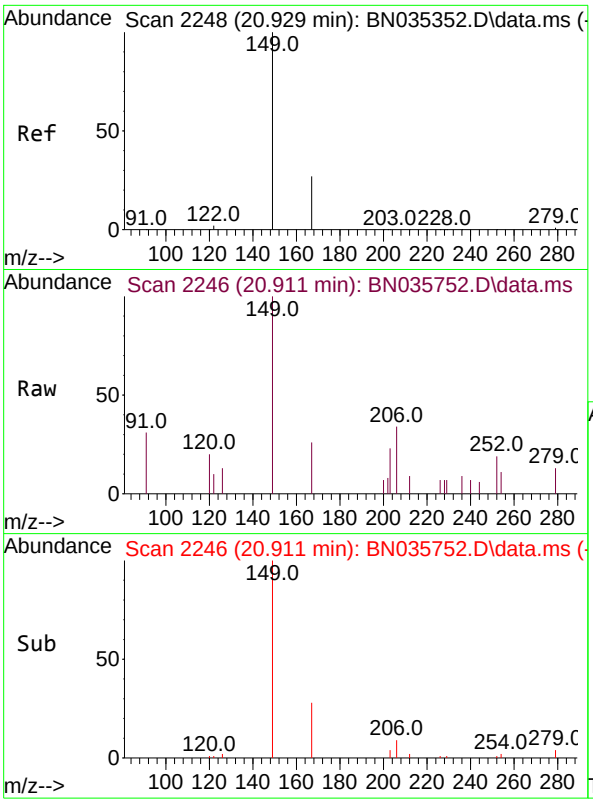


#31
Terphenyl-d14
Concen: 0.296 ng
RT: 19.388 min Scan# 2012
Delta R.T. -0.000 min
Lab File: BN035752.D
Acq: 20 Dec 2024 21:21

Tgt Ion:244 Resp: 5542

Ion	Ratio	Lower	Upper
244	100		
212	9.7	8.1	12.1
122	12.5	10.3	15.5



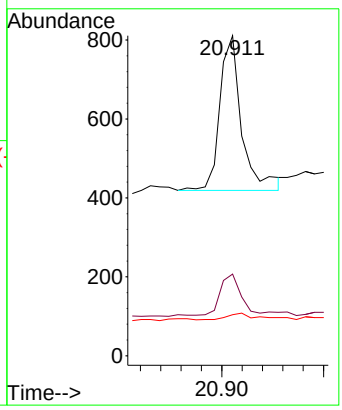


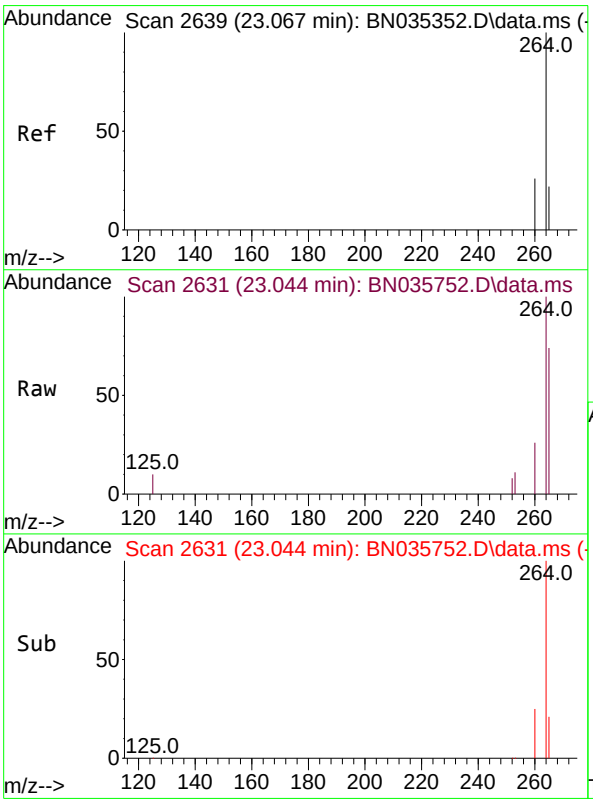
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.045 ng
RT: 20.911 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035752.D
Acq: 20 Dec 2024 21:21

Instrument :
BNA_N
ClientSampleId :
RE134D3-20241210DL

Tgt Ion:149 Resp: 586

Ion	Ratio	Lower	Upper
149	100		
167	24.4	22.2	33.4
279	6.5	2.7	4.1#

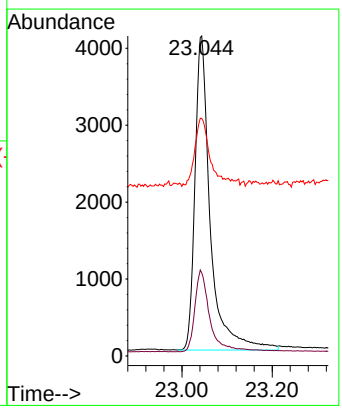




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.044 min Scan# 2631
Delta R.T. 0.002 min
Lab File: BN035752.D
Acq: 20 Dec 2024 21:21

Tgt Ion:264 Resp: 9623

Ion	Ratio	Lower	Upper
264	100		
260	25.9	21.4	32.2
265	74.2	40.2	60.4#



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035753.D
Acq On : 20 Dec 2024 21:57
Operator : RC/JU
Sample : P5261-15DL 2X
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE125D2-20241210DL

Quant Time: Dec 21 01:44:02 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

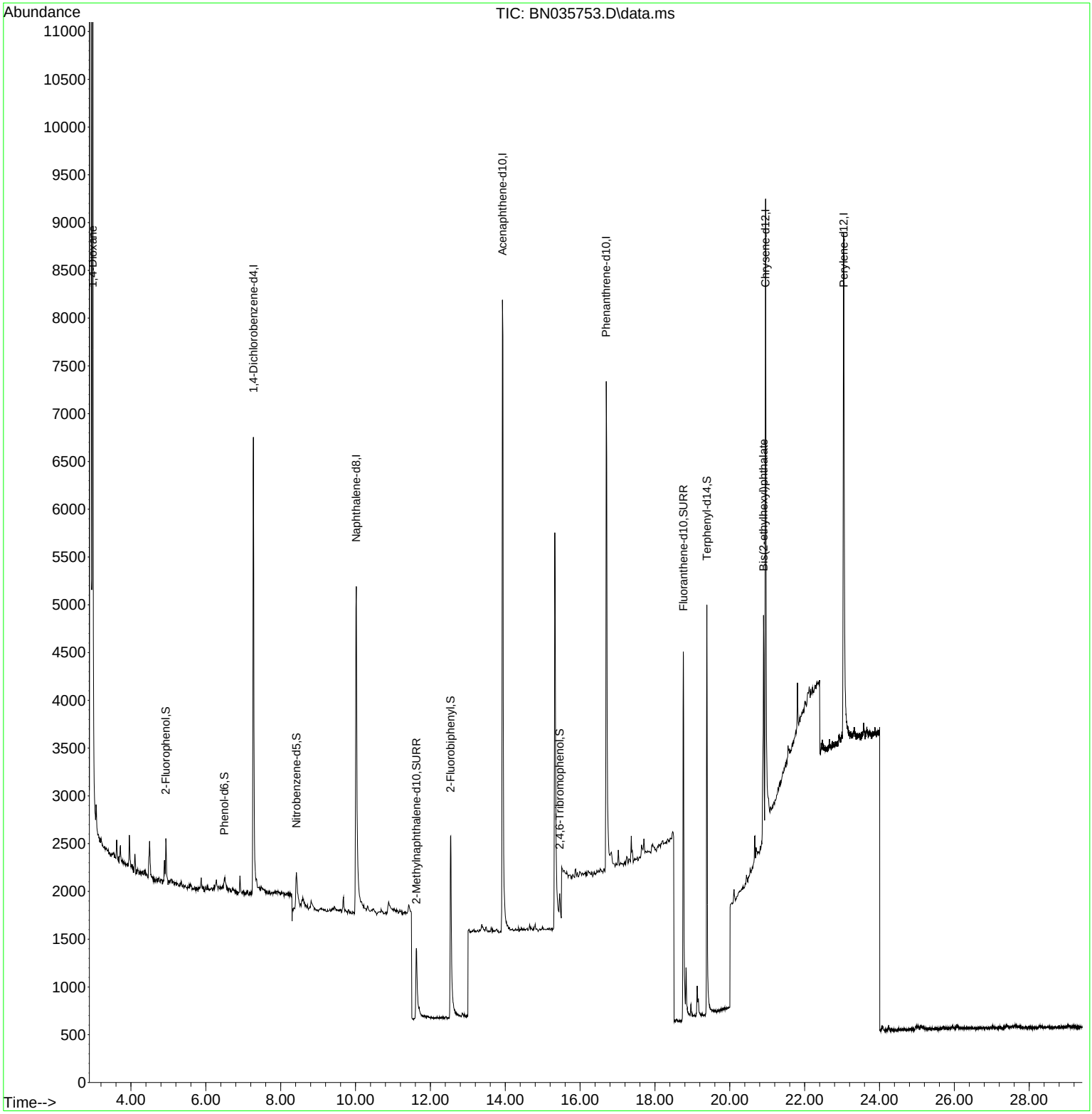
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.272	152	2749	0.400	ng	0.00
7) Naphthalene-d8	10.020	136	7061	0.400	ng	0.00
13) Acenaphthene-d10	13.925	164	4840	0.400	ng	-0.01
19) Phenanthrene-d10	16.698	188	9691	0.400	ng	# 0.00
29) Chrysene-d12	20.956	240	8202	0.400	ng	0.00
35) Perylene-d12	23.041	264	8127	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.932	112	429	0.062	ng	0.00
5) Phenol-d6	6.492	99	230	0.028	ng	0.00
8) Nitrobenzene-d5	8.418	82	1065	0.247	ng	0.01
11) 2-Methylnaphthalene-d10	11.626	152	1937	0.175	ng	0.00
14) 2,4,6-Tribromophenol	15.453	330	328	0.095	ng	0.00
15) 2-Fluorobiphenyl	12.539	172	2904	0.159	ng	0.00
27) Fluoranthene-d10	18.761	212	5683	0.207	ng	0.00
31) Terphenyl-d14	19.389	244	5035	0.311	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.974	88	10381	3.950	ng	99
34) Bis(2-ethylhexyl)phtha...	20.902	149	3241	0.286	ng	97

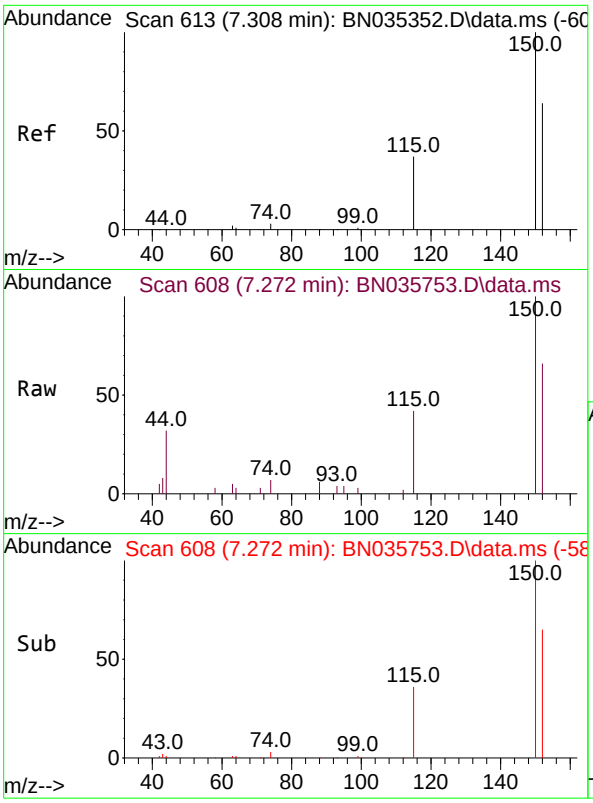
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035753.D
Acq On : 20 Dec 2024 21:57
Operator : RC/JU
Sample : P5261-15DL 2X
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE125D2-20241210DL

Quant Time: Dec 21 01:44:02 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration



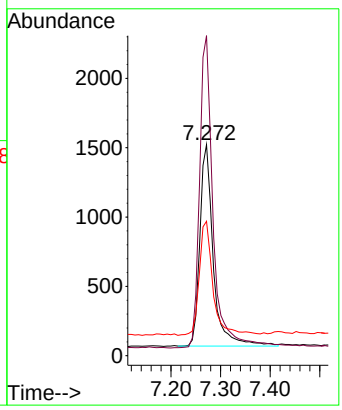


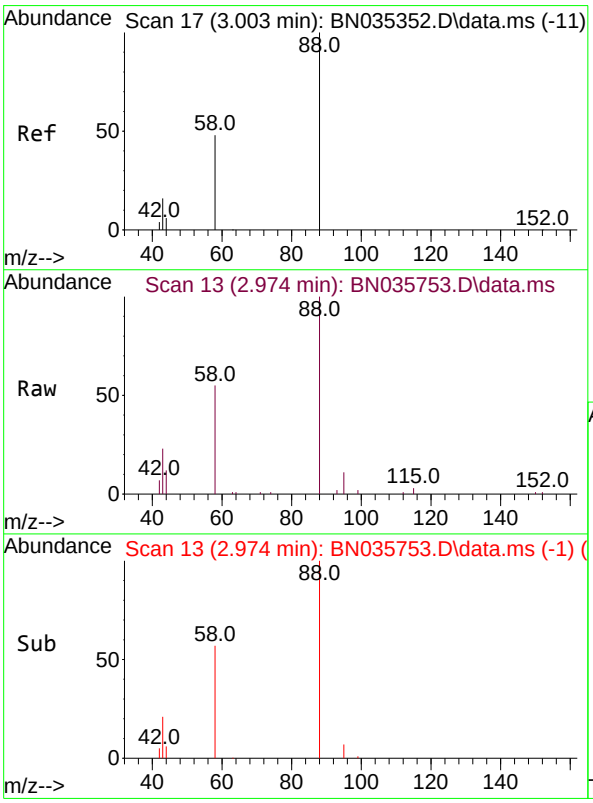
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.272 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN035753.D
Acq: 20 Dec 2024 21:57

Instrument :
BNA_N
ClientSampleId :
RE125D2-20241210DL

Tgt Ion:152 Resp: 2749

Ion	Ratio	Lower	Upper
152	100		
150	151.6	124.0	186.0
115	63.7	49.6	74.4

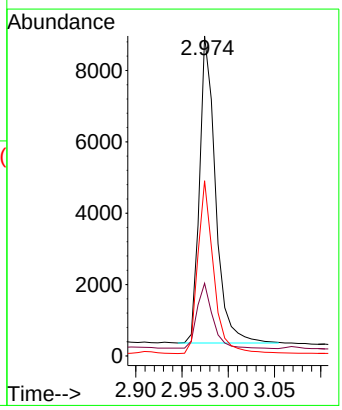


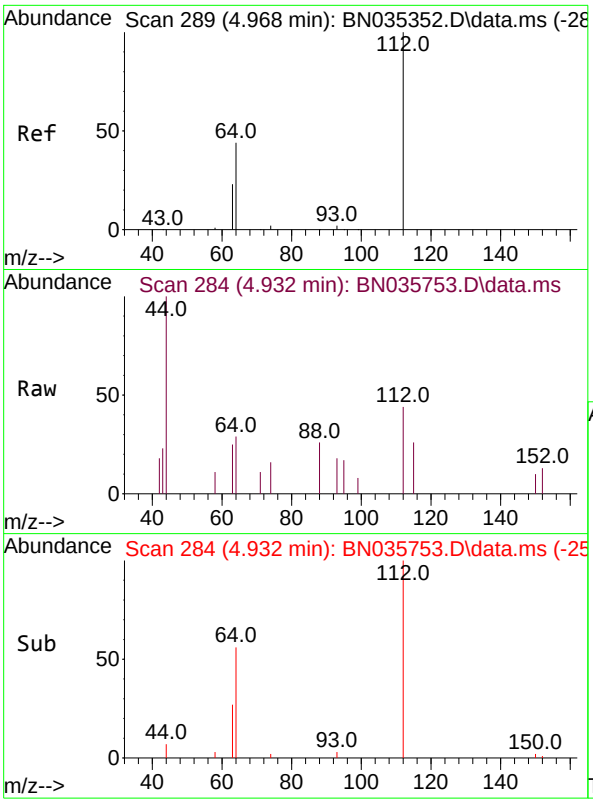


#2
1,4-Dioxane
Concen: 3.950 ng
RT: 2.974 min Scan# 13
Delta R.T. -0.007 min
Lab File: BN035753.D
Acq: 20 Dec 2024 21:57

Tgt Ion: 88 Resp: 10381

Ion	Ratio	Lower	Upper
88	100		
43	21.0	17.2	25.8
58	55.2	44.5	66.7



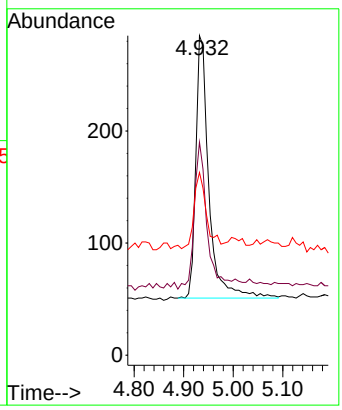


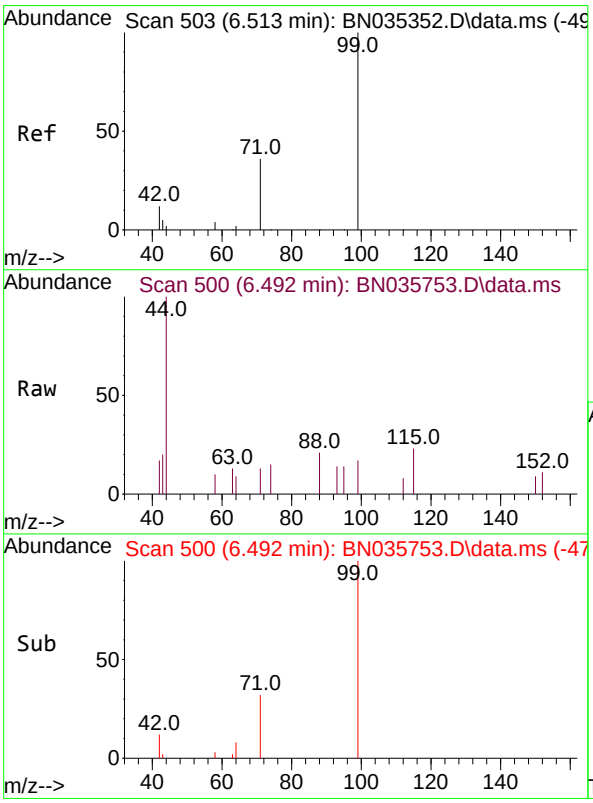
#4
2-Fluorophenol
Concen: 0.062 ng
RT: 4.932 min Scan# 2
Delta R.T. -0.007 min
Lab File: BN035753.D
Acq: 20 Dec 2024 21:57

Instrument :
BNA_N
ClientSampleId :
RE125D2-20241210DL

Tgt Ion:112 Resp: 429

Ion	Ratio	Lower	Upper
112	100		
64	54.5	39.8	59.8
63	27.5	21.0	31.6

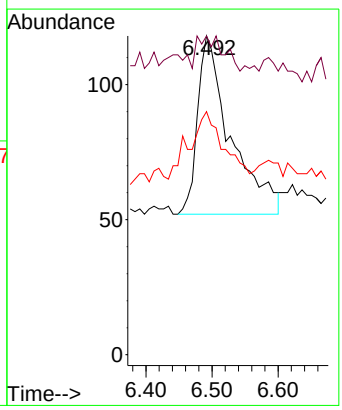


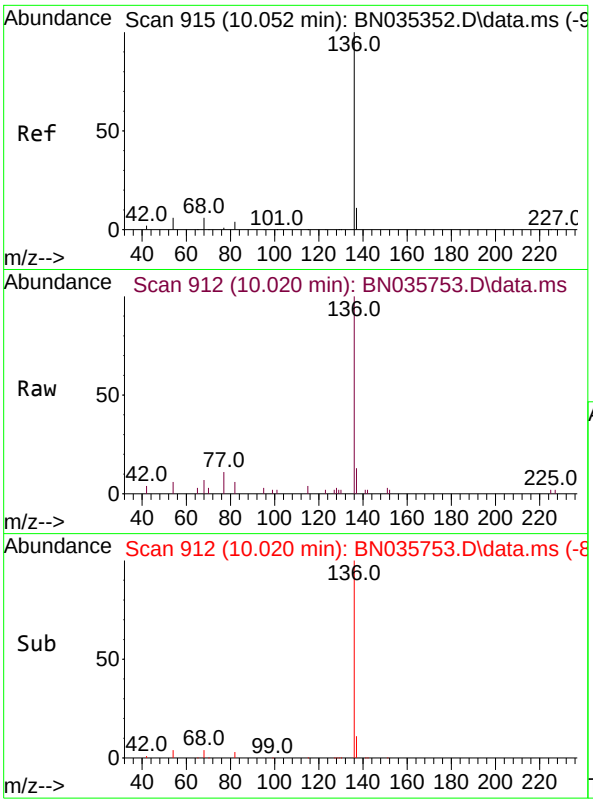


#5
Phenol-d6
Concen: 0.028 ng
RT: 6.492 min Scan# 500
Delta R.T. -0.000 min
Lab File: BN035753.D
Acq: 20 Dec 2024 21:57

Tgt Ion: 99 Resp: 230

Ion	Ratio	Lower	Upper
99	100		
42	20.9	11.4	17.2#
71	40.0	29.3	43.9



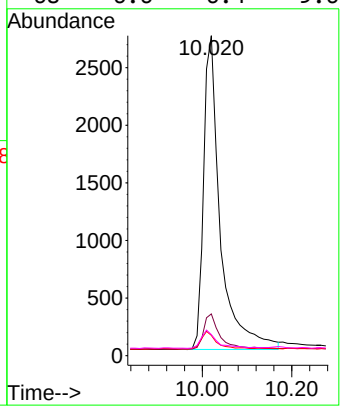


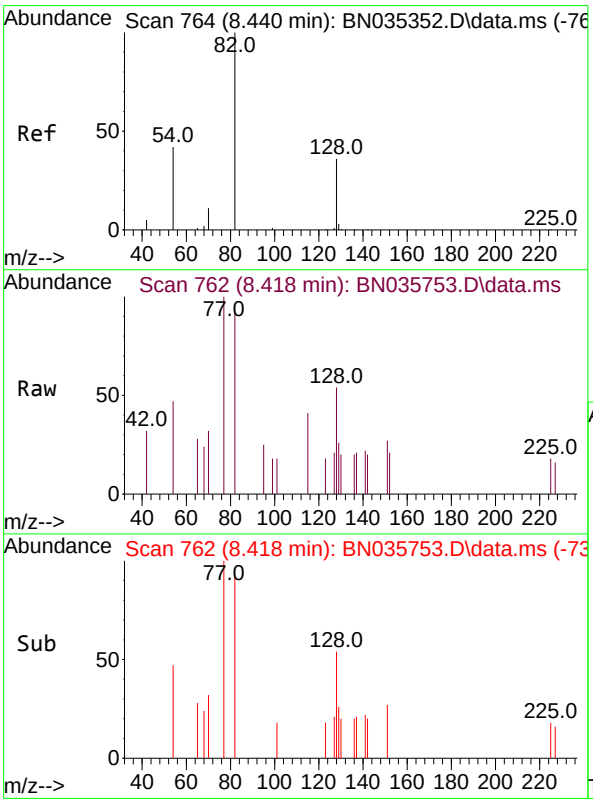
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.020 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN035753.D
Acq: 20 Dec 2024 21:57

Instrument :
BNA_N
ClientSampleId :
RE125D2-20241210DL

Tgt Ion:136 Resp: 7061

Ion	Ratio	Lower	Upper
136	100		
137	13.1	10.2	15.2
54	6.4	6.1	9.1
68	6.6	6.4	9.6

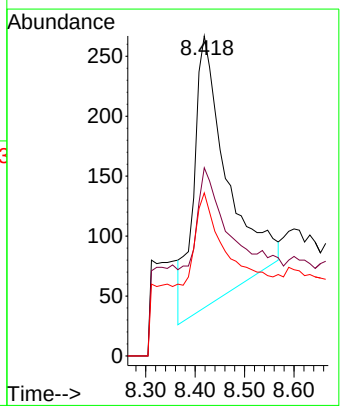


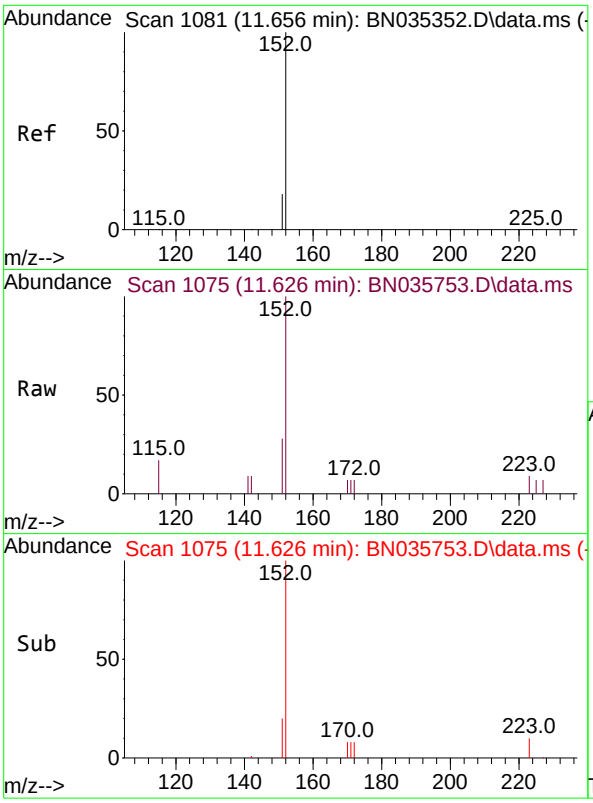


#8
Nitrobenzene-d5
Concen: 0.247 ng
RT: 8.418 min Scan# 762
Delta R.T. 0.011 min
Lab File: BN035753.D
Acq: 20 Dec 2024 21:57

Tgt Ion: 82 Resp: 1065

Ion	Ratio	Lower	Upper
82	100		
128	58.8	33.4	50.0#
54	50.9	36.7	55.1



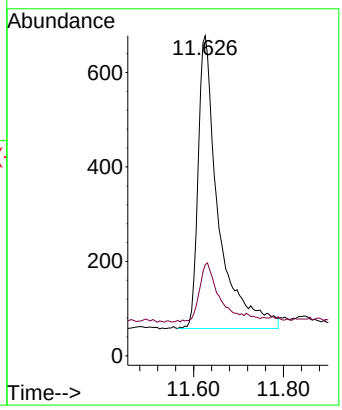


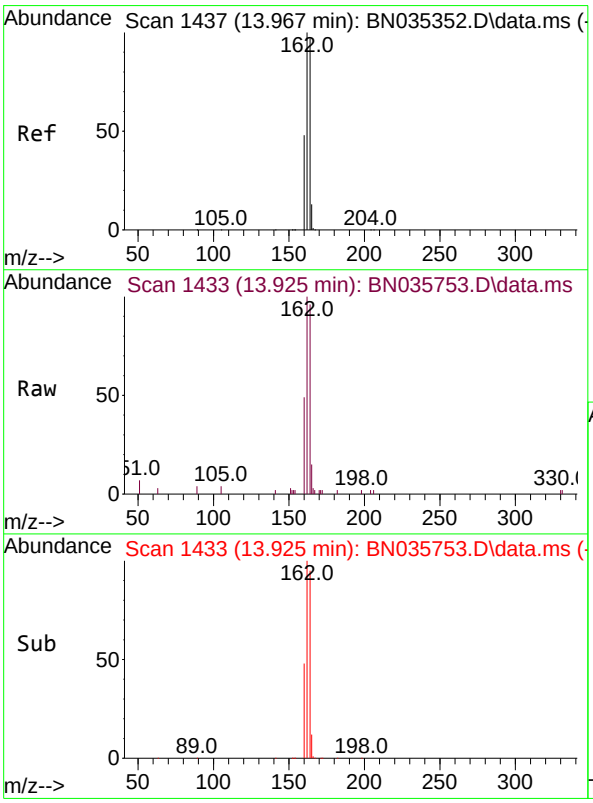
#11
2-Methylnaphthalene-d10
Concen: 0.175 ng
RT: 11.626 min Scan# 1
Delta R.T. 0.005 min
Lab File: BN035753.D
Acq: 20 Dec 2024 21:57

Instrument :
BNA_N
ClientSampleId :
RE125D2-20241210DL

Tgt Ion:152 Resp: 1937

Ion	Ratio	Lower	Upper
152	100		
151	19.3	16.6	25.0

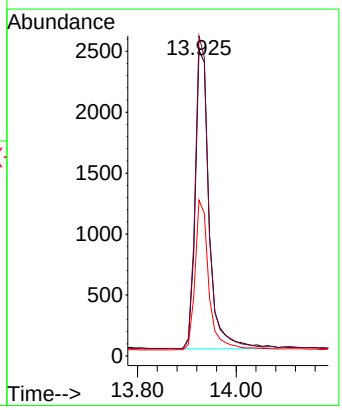


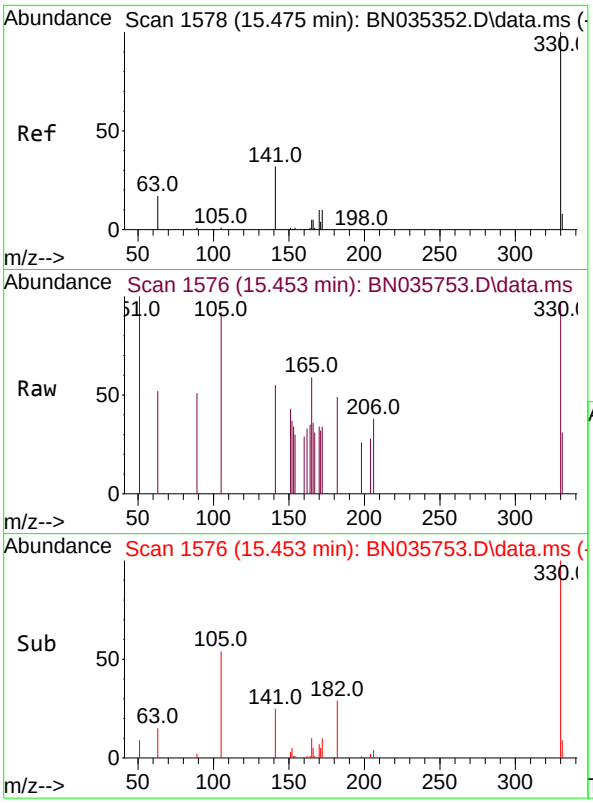


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.925 min Scan# 1433
Delta R.T. -0.011 min
Lab File: BN035753.D
Acq: 20 Dec 2024 21:57

Tgt Ion:164 Resp: 4840

Ion	Ratio	Lower	Upper
164	100		
162	104.6	82.2	123.2
160	50.9	40.1	60.1



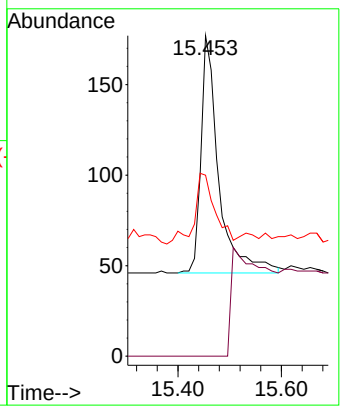


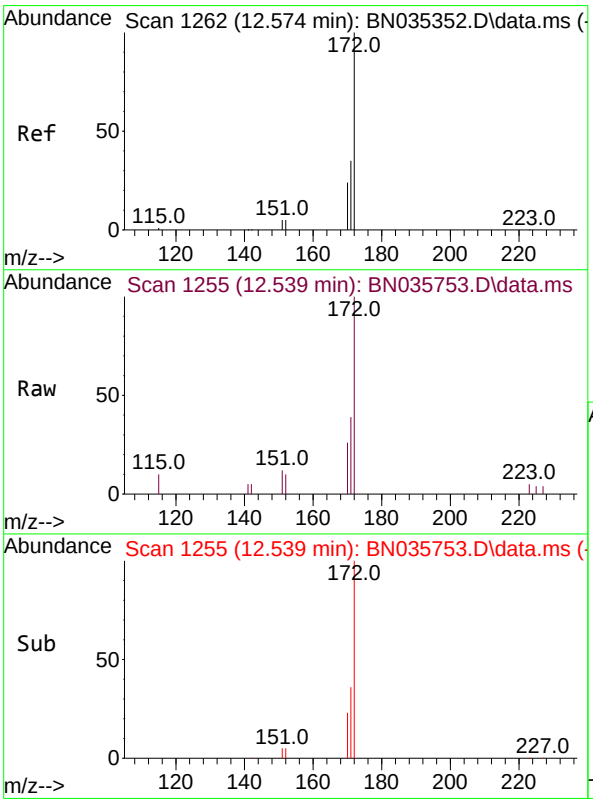
#14
2,4,6-Tribromophenol
Concen: 0.095 ng
RT: 15.453 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035753.D
Acq: 20 Dec 2024 21:57

Instrument :
BNA_N
ClientSampleId :
RE125D2-20241210DL

Tgt Ion:330 Resp: 328

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	33.8	26.6	40.0

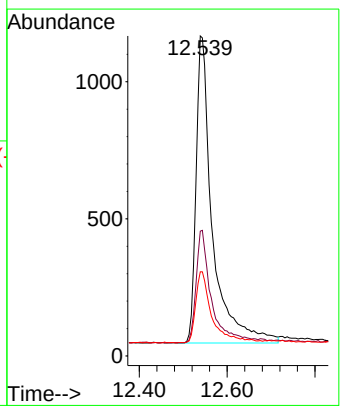


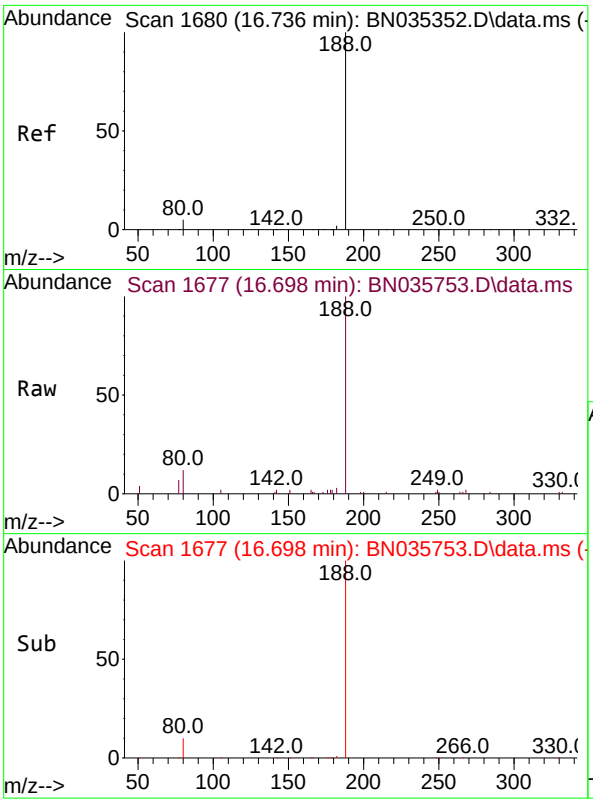


#15
2-Fluorobiphenyl
Concen: 0.159 ng
RT: 12.539 min Scan# 1255
Delta R.T. -0.005 min
Lab File: BN035753.D
Acq: 20 Dec 2024 21:57

Tgt Ion:172 Resp: 2904

Ion	Ratio	Lower	Upper
172	100		
171	39.0	29.0	43.4
170	26.3	19.8	29.8



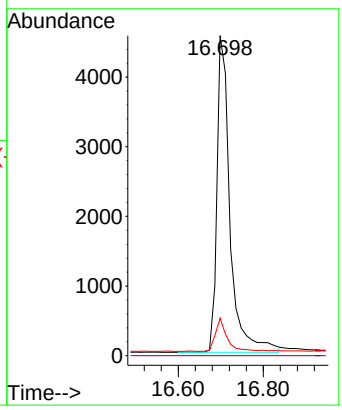


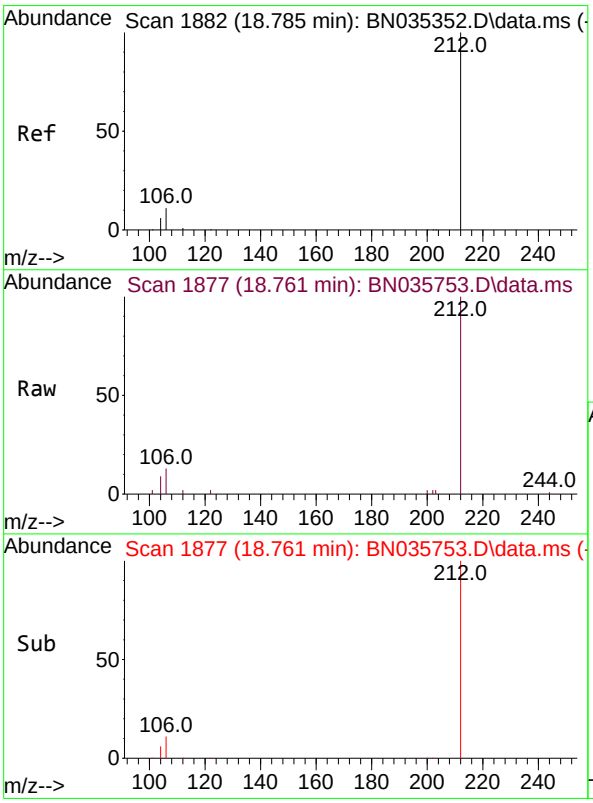
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.698 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN035753.D
Acq: 20 Dec 2024 21:57

Instrument :
BNA_N
ClientSampleId :
RE125D2-20241210DL

Tgt Ion:188 Resp: 9691

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.7	4.6	6.8#

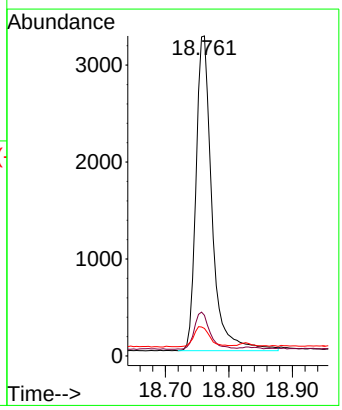


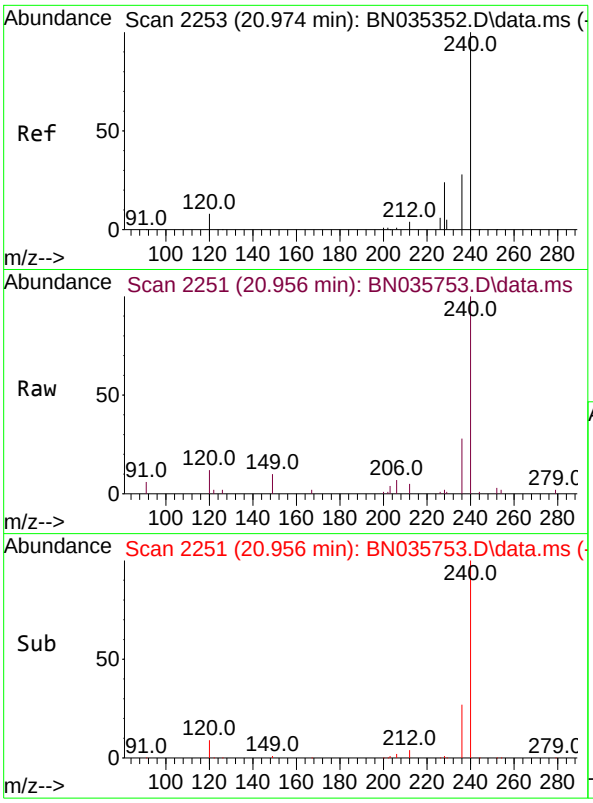


#27
Fluoranthene-d10
Concen: 0.207 ng
RT: 18.761 min Scan# 1877
Delta R.T. -0.000 min
Lab File: BN035753.D
Acq: 20 Dec 2024 21:57

Tgt Ion:212 Resp: 5683

Ion	Ratio	Lower	Upper
212	100		
106	11.5	9.2	13.8
104	6.4	5.3	7.9



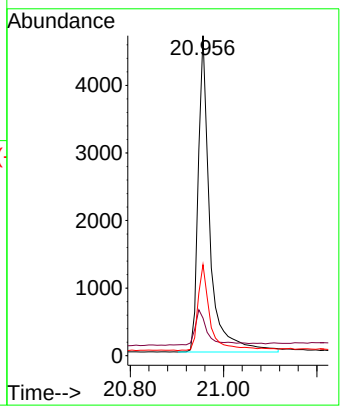


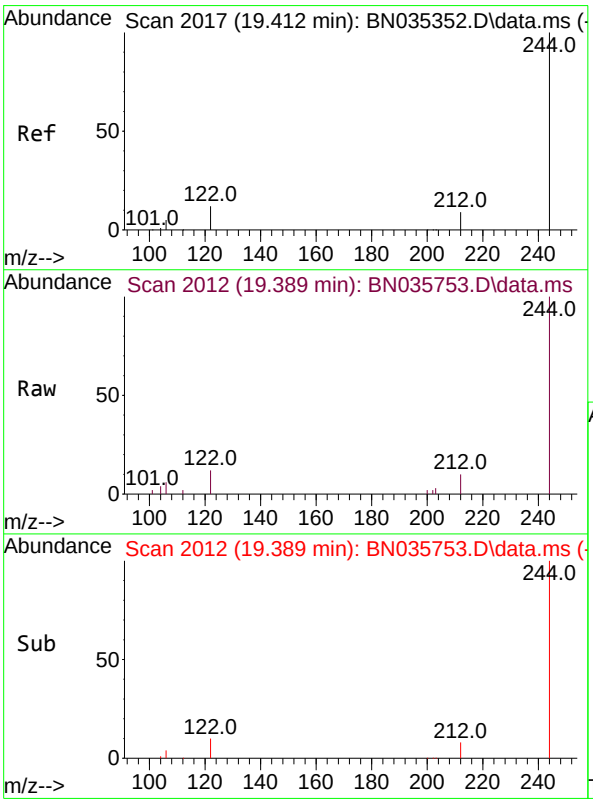
#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.956 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035753.D
Acq: 20 Dec 2024 21:57

Instrument :
BNA_N
ClientSampleId :
RE125D2-20241210DL

Tgt Ion:240 Resp: 8202

Ion	Ratio	Lower	Upper
240	100		
120	11.7	7.9	11.9
236	28.4	22.9	34.3

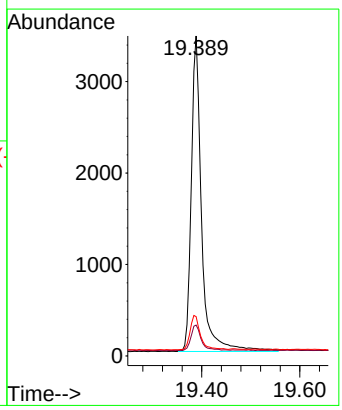


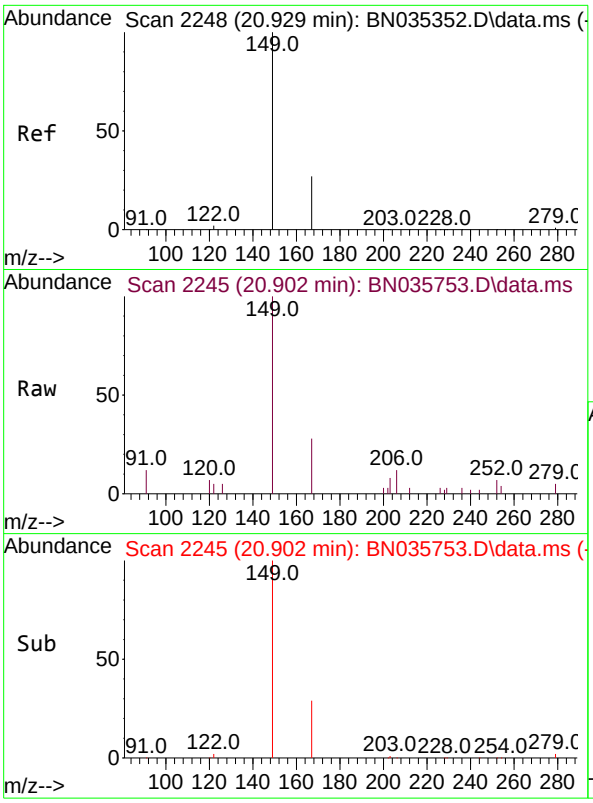


#31
Terphenyl-d14
Concen: 0.311 ng
RT: 19.389 min Scan# 2012
Delta R.T. -0.000 min
Lab File: BN035753.D
Acq: 20 Dec 2024 21:57

Tgt Ion:244 Resp: 5035

Ion	Ratio	Lower	Upper
244	100		
212	9.7	8.1	12.1
122	12.3	10.3	15.5



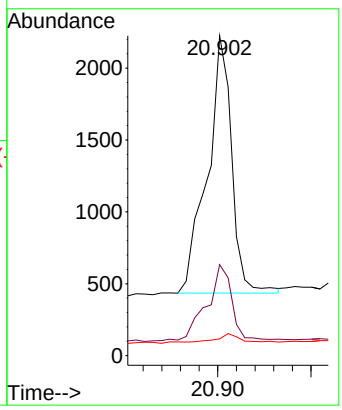


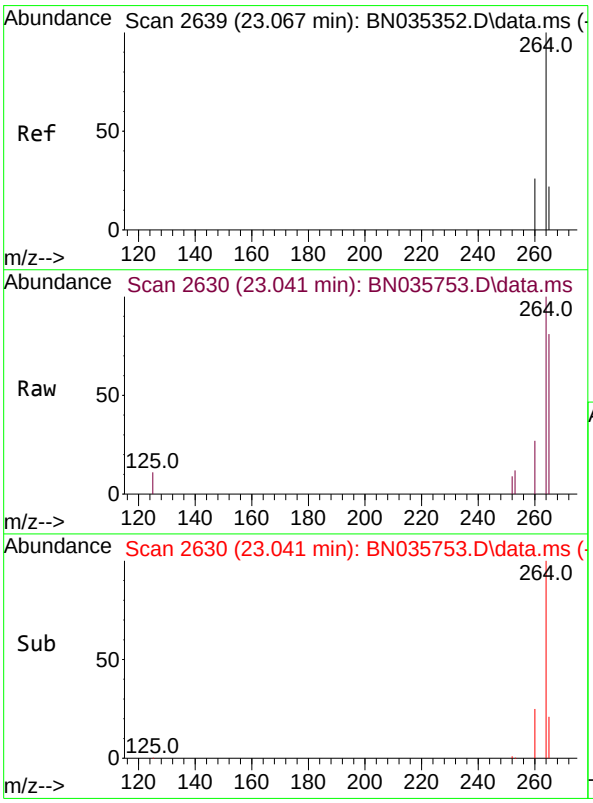
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.286 ng
RT: 20.902 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN035753.D
Acq: 20 Dec 2024 21:57

Instrument :
BNA_N
ClientSampleId :
RE125D2-20241210DL

Tgt Ion:149 Resp: 3241

Ion	Ratio	Lower	Upper
149	100		
167	29.3	22.2	33.4
279	2.7	2.7	4.1

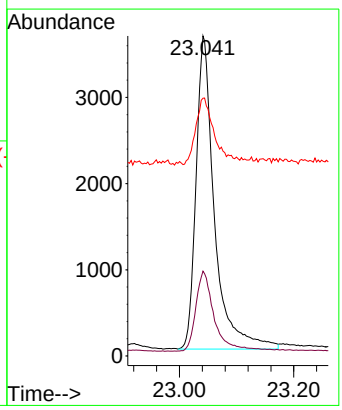




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.041 min Scan# 2630
Delta R.T. -0.000 min
Lab File: BN035753.D
Acq: 20 Dec 2024 21:57

Tgt Ion:264 Resp: 8127

Ion	Ratio	Lower	Upper
264	100		
260	26.5	21.4	32.2
265	80.6	40.2	60.4#



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035754.D
Acq On : 20 Dec 2024 22:33
Operator : RC/JU
Sample : P5261-04DL 2X
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE103D1-20241209DL

Quant Time: Dec 21 01:44:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

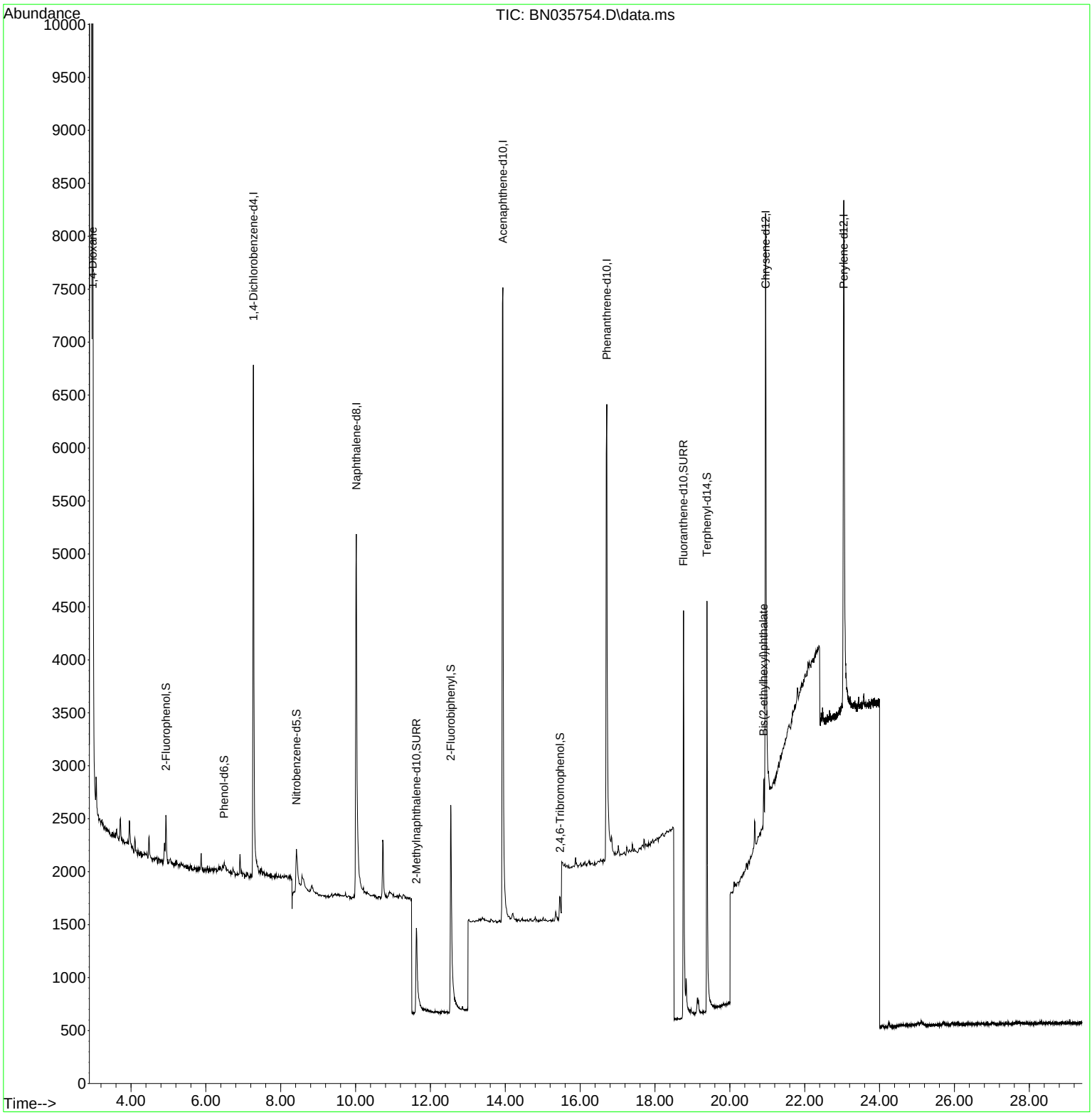
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.272	152	2884	0.400	ng	0.00
7) Naphthalene-d8	10.020	136	7124	0.400	ng	0.00
13) Acenaphthene-d10	13.935	164	4697	0.400	ng	0.00
19) Phenanthrene-d10	16.711	188	9314	0.400	ng	# 0.01
29) Chrysene-d12	20.956	240	7920	0.400	ng	# 0.00
35) Perylene-d12	23.044	264	7852	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.932	112	469	0.065	ng	0.00
5) Phenol-d6	6.492	99	208	0.024	ng	0.00
8) Nitrobenzene-d5	8.418	82	1987	0.457	ng	0.01
11) 2-Methylnaphthalene-d10	11.626	152	2194	0.197	ng	0.00
14) 2,4,6-Tribromophenol	15.464	330	339	0.102	ng	0.01
15) 2-Fluorobiphenyl	12.544	172	3315	0.187	ng	0.00
27) Fluoranthene-d10	18.761	212	5835	0.221	ng	0.00
31) Terphenyl-d14	19.389	244	5098	0.326	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.974	88	9475	3.437	ng	98
34) Bis(2-ethylhexyl)phtha...	20.902	149	557	0.051	ng	# 90

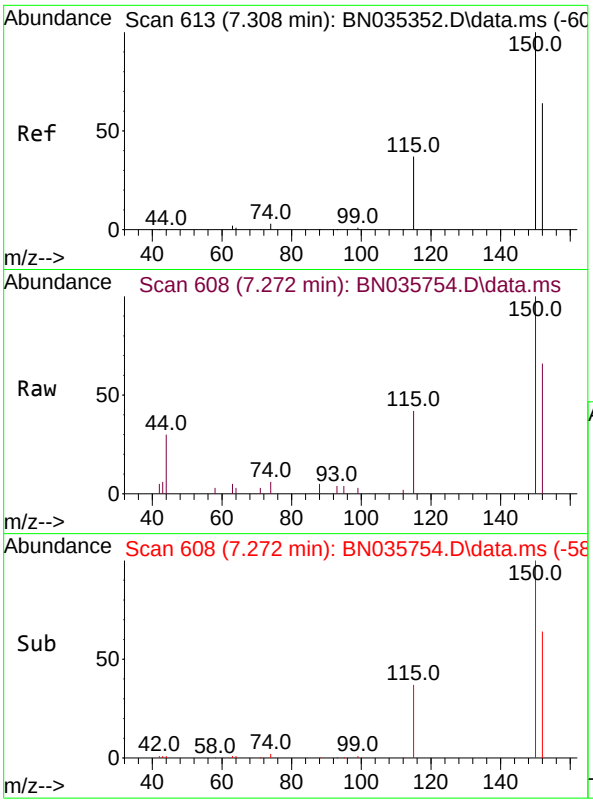
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035754.D
Acq On : 20 Dec 2024 22:33
Operator : RC/JU
Sample : P5261-04DL 2X
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE103D1-20241209DL

Quant Time: Dec 21 01:44:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration



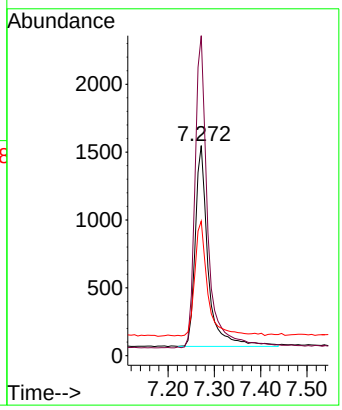


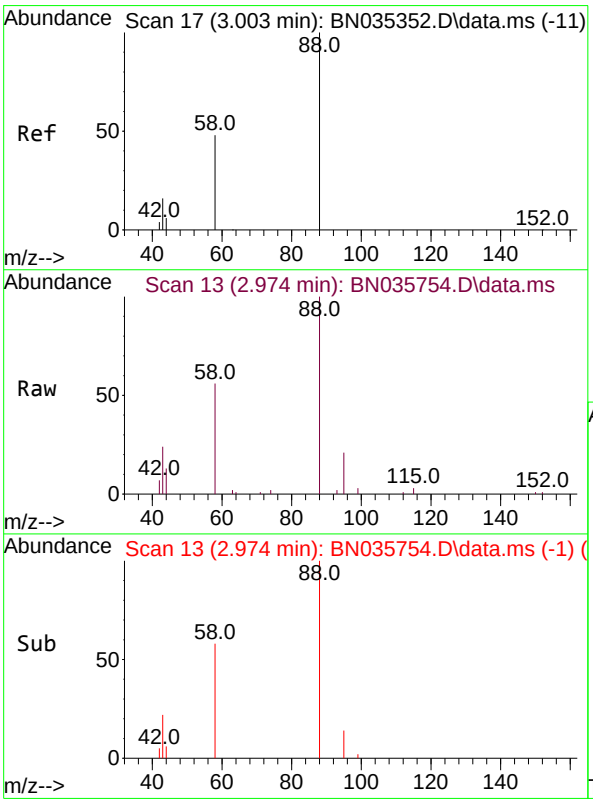
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.272 min Scan# 6(
Delta R.T. -0.000 min
Lab File: BN035754.D
Acq: 20 Dec 2024 22:33

Instrument :
BNA_N
ClientSampleId :
RE103D1-20241209DL

Tgt Ion:152 Resp: 2884

Ion	Ratio	Lower	Upper
152	100		
150	152.3	124.0	186.0
115	64.0	49.6	74.4

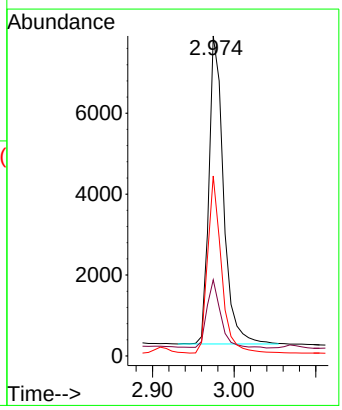


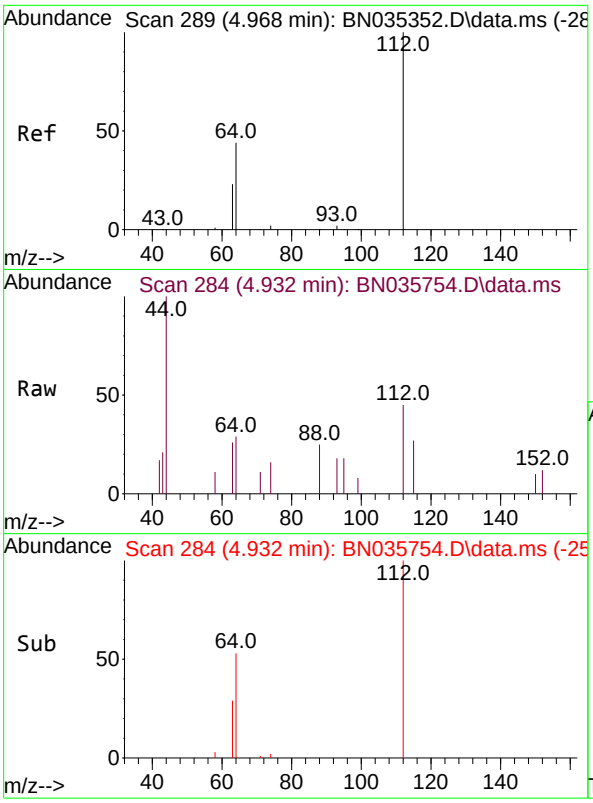


#2
1,4-Dioxane
Concen: 3.437 ng
RT: 2.974 min Scan# 13
Delta R.T. -0.007 min
Lab File: BN035754.D
Acq: 20 Dec 2024 22:33

Tgt Ion: 88 Resp: 9475

Ion	Ratio	Lower	Upper
88	100		
43	21.0	17.2	25.8
58	54.3	44.5	66.7



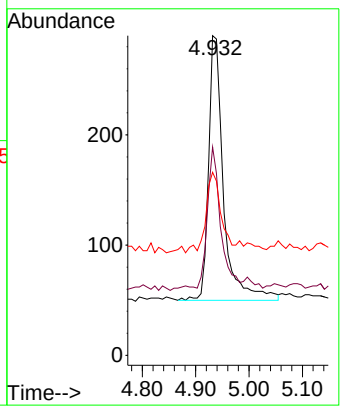


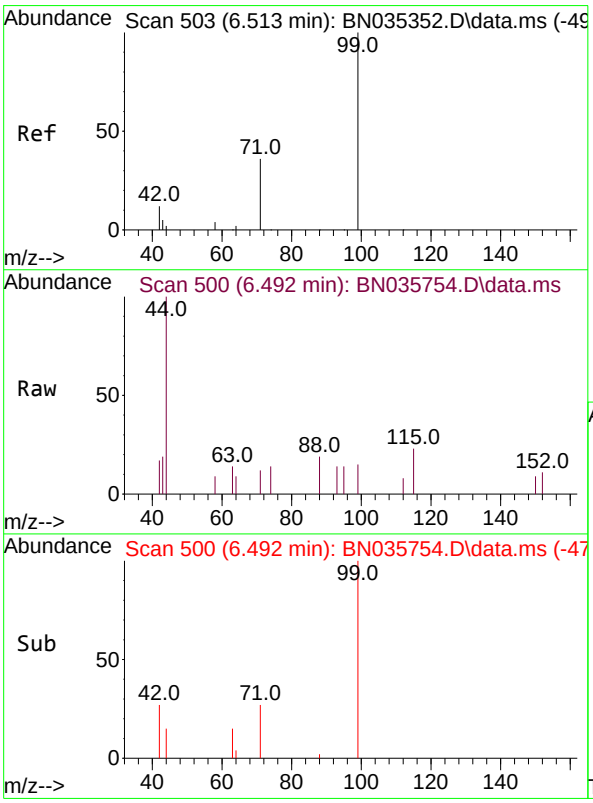
#4
2-Fluorophenol
Concen: 0.065 ng
RT: 4.932 min Scan# 2
Delta R.T. -0.007 min
Lab File: BN035754.D
Acq: 20 Dec 2024 22:33

Instrument :
BNA_N
ClientSampleId :
RE103D1-20241209DL

Tgt Ion:112 Resp: 469

Ion	Ratio	Lower	Upper
112	100		
64	45.6	39.8	59.8
63	31.1	21.0	31.6

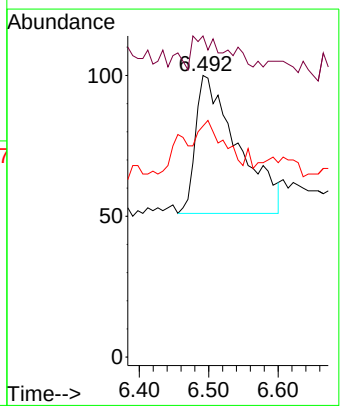


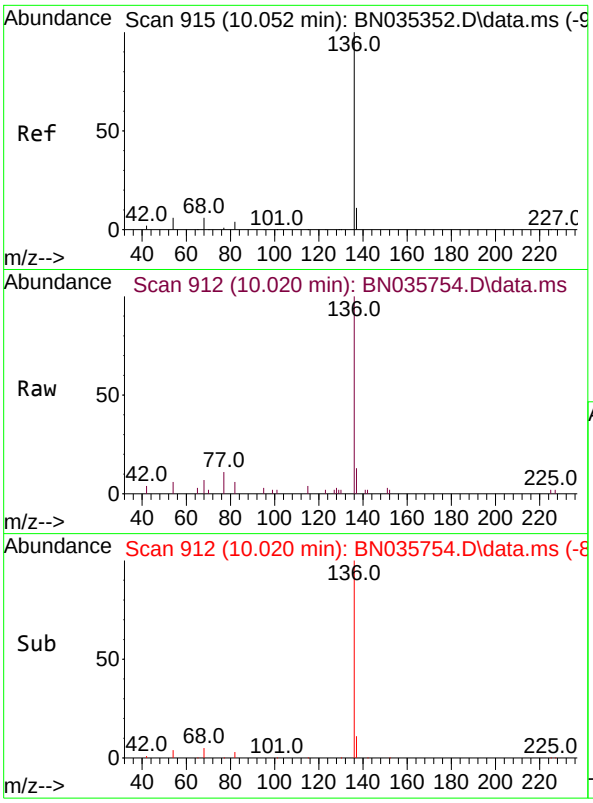


#5
Phenol-d6
Concen: 0.024 ng
RT: 6.492 min Scan# 500
Delta R.T. -0.000 min
Lab File: BN035754.D
Acq: 20 Dec 2024 22:33

Tgt Ion: 99 Resp: 208

Ion	Ratio	Lower	Upper
99	100		
42	0.0	11.4	17.2#
71	20.2	29.3	43.9#



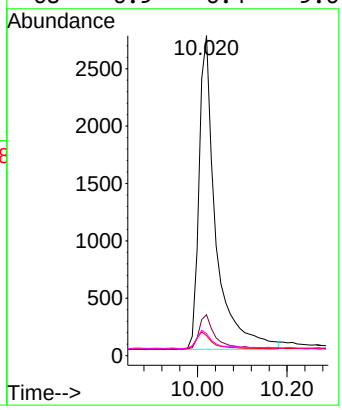


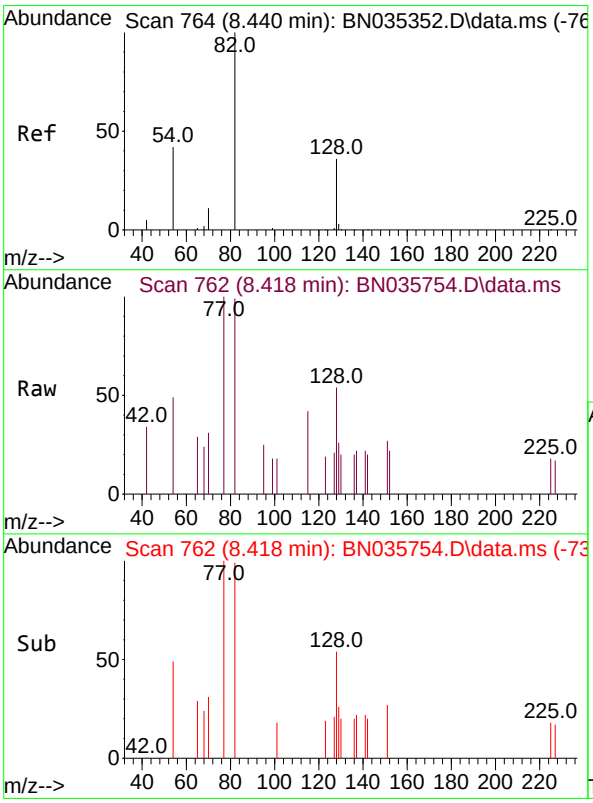
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.020 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN035754.D
Acq: 20 Dec 2024 22:33

Instrument :
BNA_N
ClientSampleId :
RE103D1-20241209DL

Tgt Ion:136 Resp: 7124

Ion	Ratio	Lower	Upper
136	100		
137	12.8	10.2	15.2
54	6.2	6.1	9.1
68	6.9	6.4	9.6

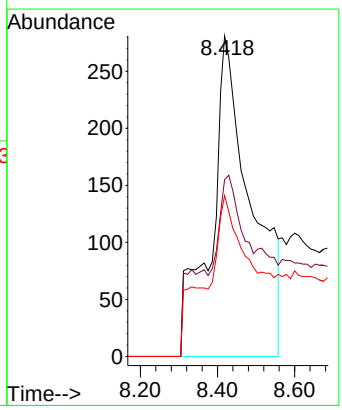


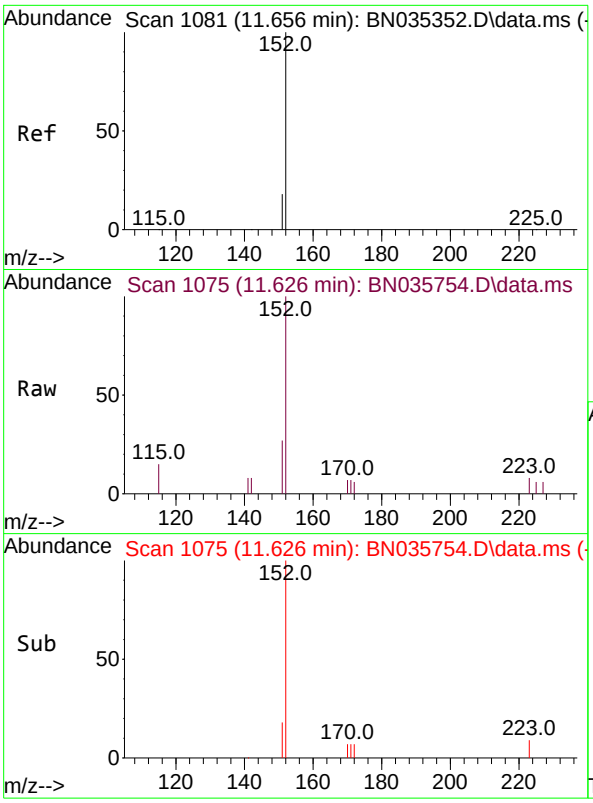


#8
Nitrobenzene-d5
Concen: 0.457 ng
RT: 8.418 min Scan# 762
Delta R.T. 0.011 min
Lab File: BN035754.D
Acq: 20 Dec 2024 22:33

Tgt Ion: 82 Resp: 1987

Ion	Ratio	Lower	Upper
82	100		
128	55.2	33.4	50.0#
54	50.2	36.7	55.1



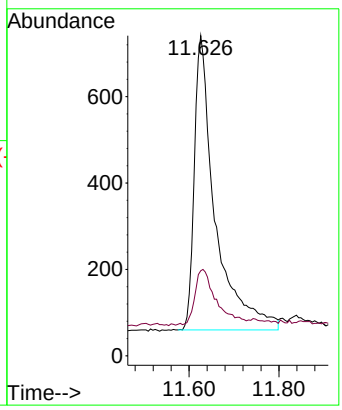


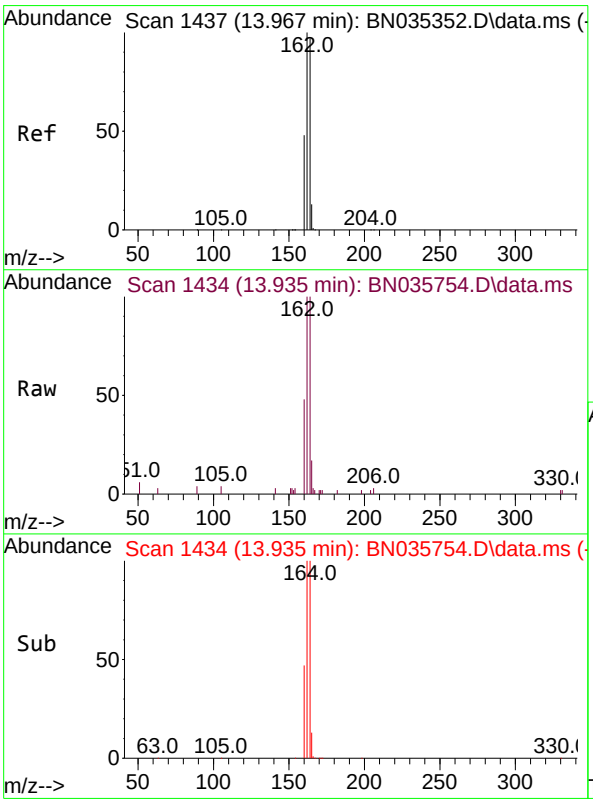
#11
2-Methylnaphthalene-d10
Concen: 0.197 ng
RT: 11.626 min Scan# 1
Delta R.T. 0.005 min
Lab File: BN035754.D
Acq: 20 Dec 2024 22:33

Instrument :
BNA_N
ClientSampleId :
RE103D1-20241209DL

Tgt Ion:152 Resp: 2194

Ion	Ratio	Lower	Upper
152	100		
151	19.0	16.6	25.0

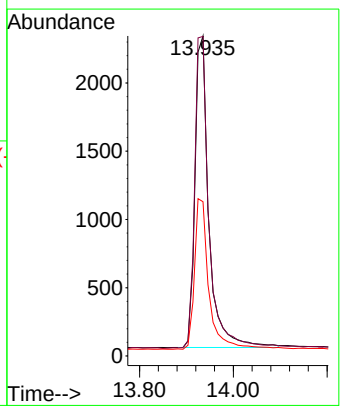


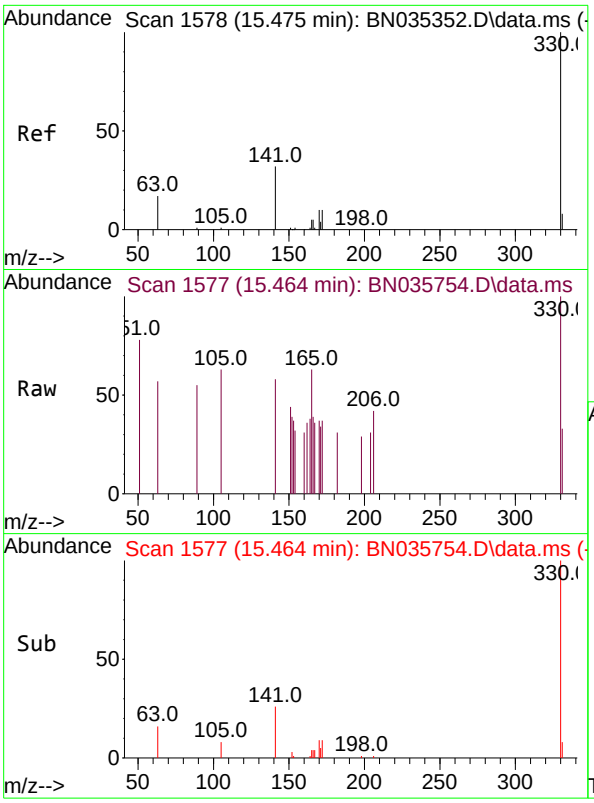


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.935 min Scan# 1434
Delta R.T. -0.000 min
Lab File: BN035754.D
Acq: 20 Dec 2024 22:33

Tgt Ion:164 Resp: 4697

Ion	Ratio	Lower	Upper
164	100		
162	99.8	82.2	123.2
160	48.2	40.1	60.1



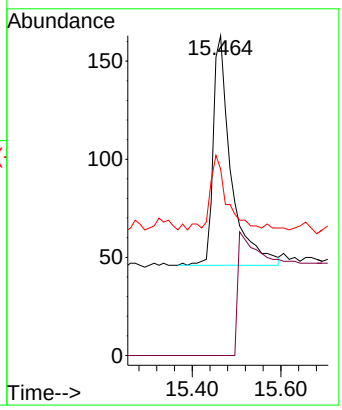


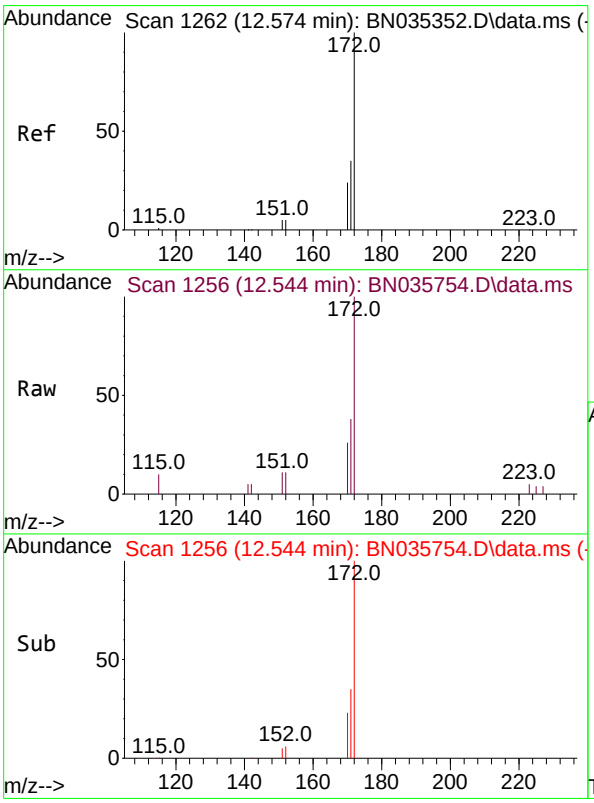
#14
2,4,6-Tribromophenol
Concen: 0.102 ng
RT: 15.464 min Scan# 1
Delta R.T. 0.011 min
Lab File: BN035754.D
Acq: 20 Dec 2024 22:33

Instrument :
BNA_N
ClientSampleId :
RE103D1-20241209DL

Tgt Ion:330 Resp: 339

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	31.0	26.6	40.0

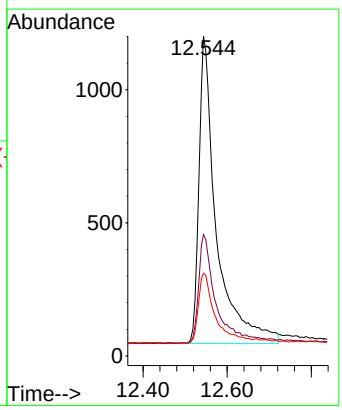


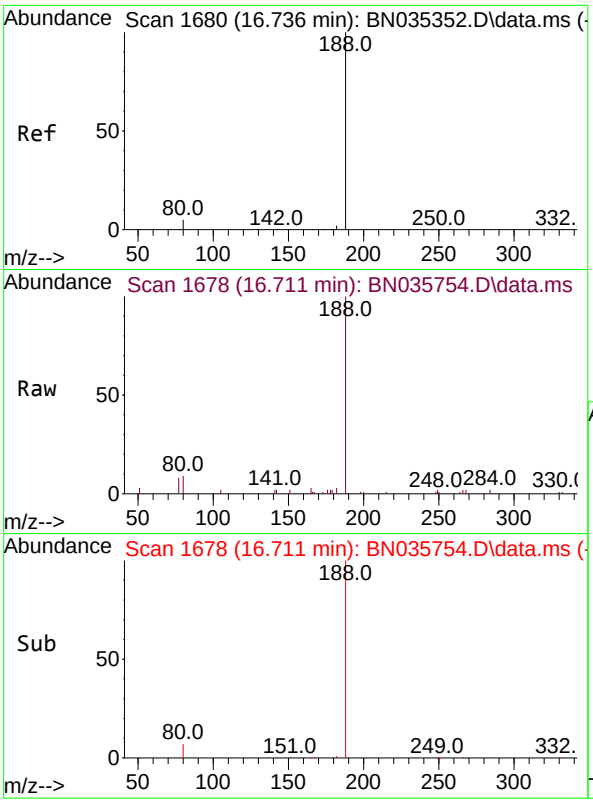


#15
2-Fluorobiphenyl
Concen: 0.187 ng
RT: 12.544 min Scan# 1256
Delta R.T. -0.000 min
Lab File: BN035754.D
Acq: 20 Dec 2024 22:33

Tgt Ion:172 Resp: 3315

Ion	Ratio	Lower	Upper
172	100		
171	37.9	29.0	43.4
170	25.8	19.8	29.8



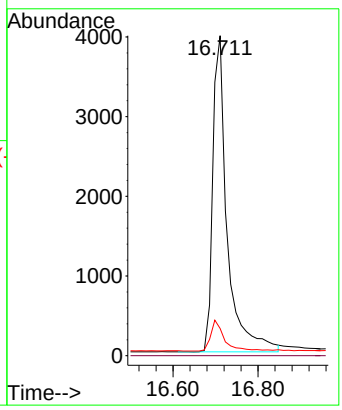


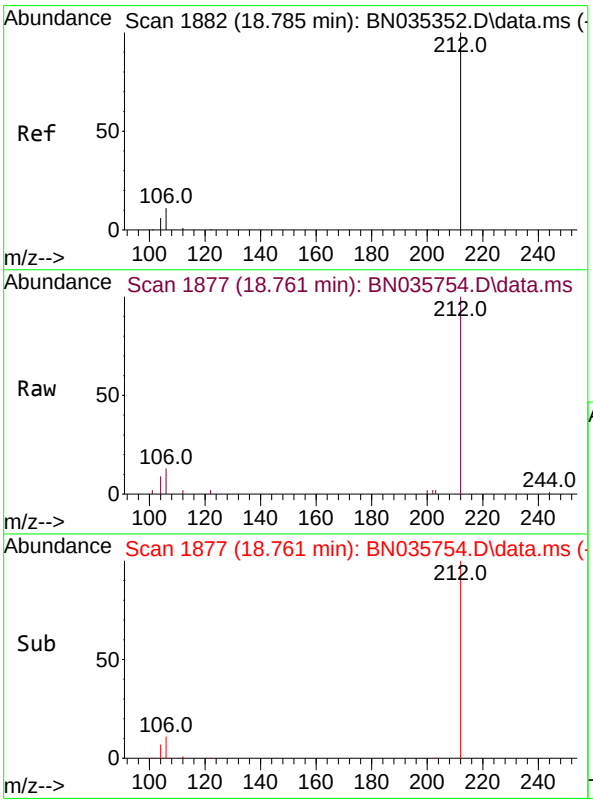
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.711 min Scan# 1(
Delta R.T. 0.012 min
Lab File: BN035754.D
Acq: 20 Dec 2024 22:33

Instrument :
BNA_N
ClientSampleId :
RE103D1-20241209DL

Tgt Ion:188 Resp: 9314

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.5	4.6	6.8#

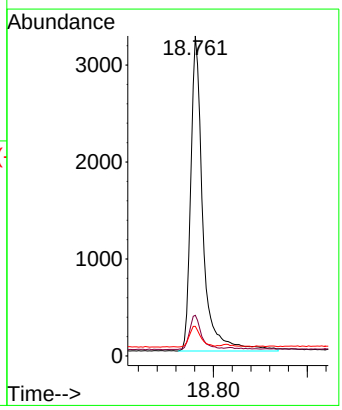


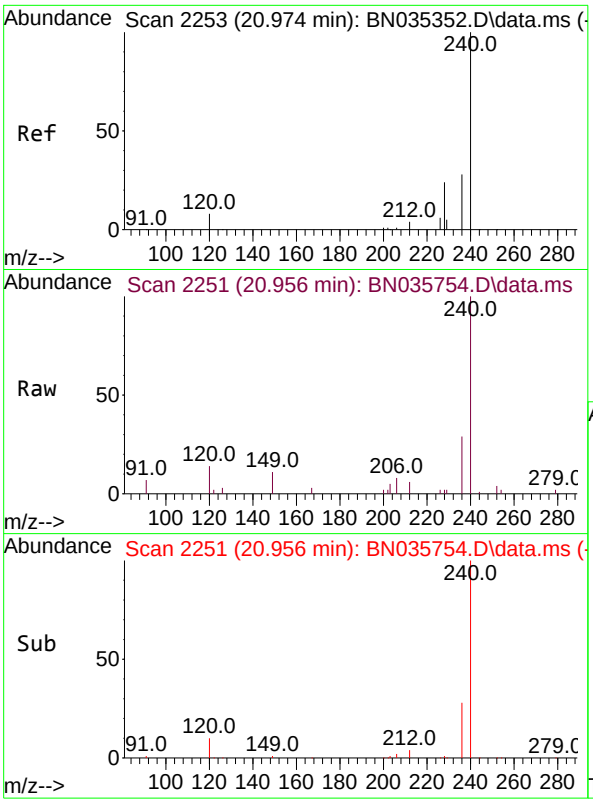


#27
Fluoranthene-d10
Concen: 0.221 ng
RT: 18.761 min Scan# 1877
Delta R.T. -0.000 min
Lab File: BN035754.D
Acq: 20 Dec 2024 22:33

Tgt Ion:212 Resp: 5835

Ion	Ratio	Lower	Upper
212	100		
106	10.6	9.2	13.8
104	6.2	5.3	7.9



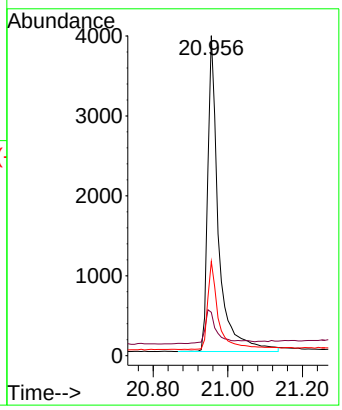


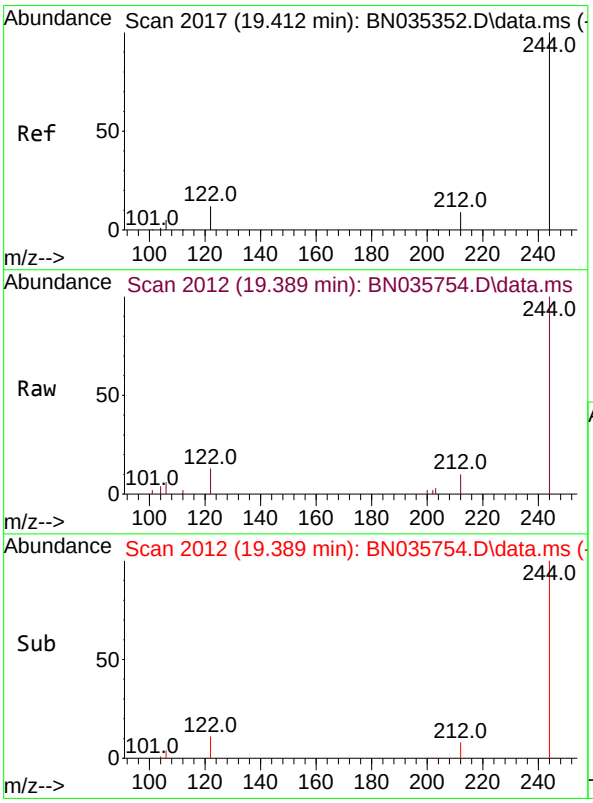
#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.956 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035754.D
Acq: 20 Dec 2024 22:33

Instrument :
BNA_N
ClientSampleId :
RE103D1-20241209DL

Tgt Ion:240 Resp: 7920

Ion	Ratio	Lower	Upper
240	100		
120	13.5	7.9	11.9#
236	29.4	22.9	34.3

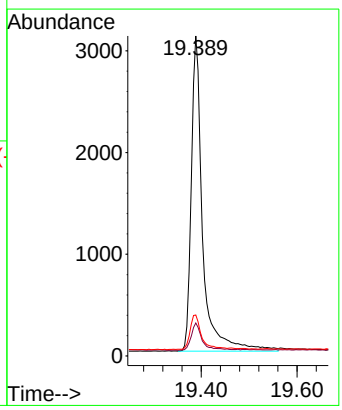


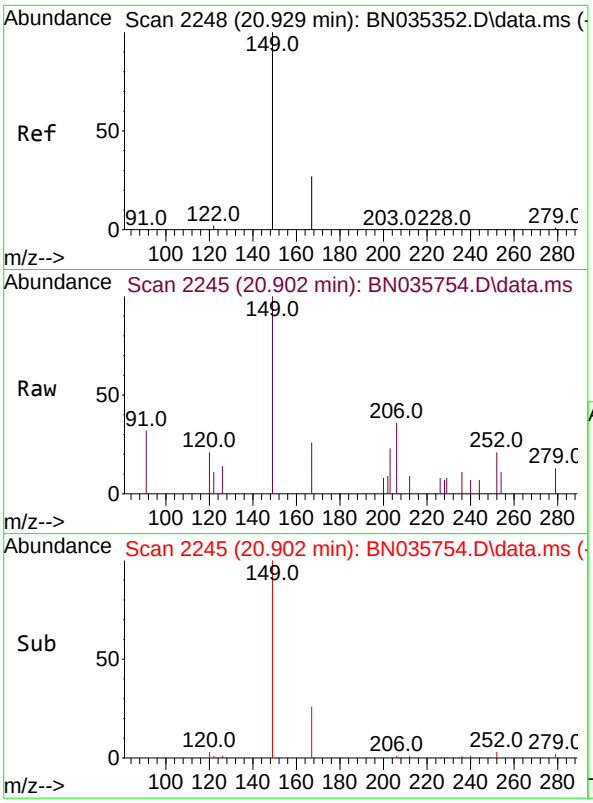


#31
Terphenyl-d14
Concen: 0.326 ng
RT: 19.389 min Scan# 2012
Delta R.T. -0.000 min
Lab File: BN035754.D
Acq: 20 Dec 2024 22:33

Tgt Ion:244 Resp: 5098

Ion	Ratio	Lower	Upper
244	100		
212	10.3	8.1	12.1
122	12.8	10.3	15.5



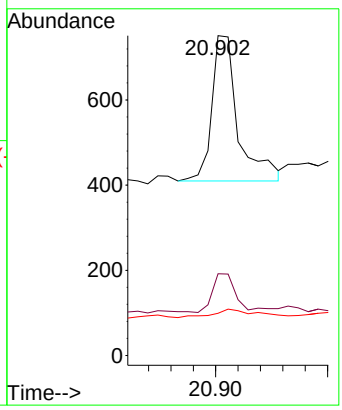


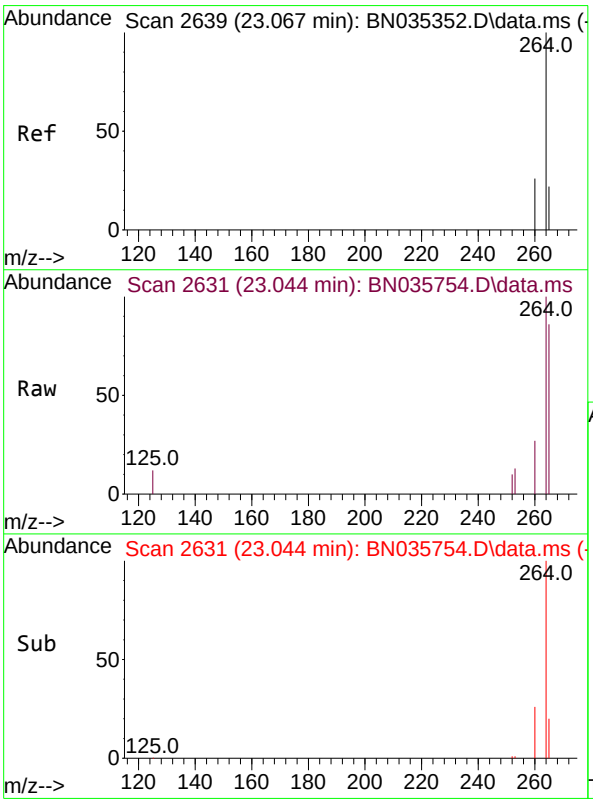
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.051 ng
RT: 20.902 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN035754.D
Acq: 20 Dec 2024 22:33

Instrument :
BNA_N
ClientSampleId :
RE103D1-20241209DL

Tgt Ion:149 Resp: 557

Ion	Ratio	Lower	Upper
149	100		
167	23.0	22.2	33.4
279	9.5	2.7	4.1#

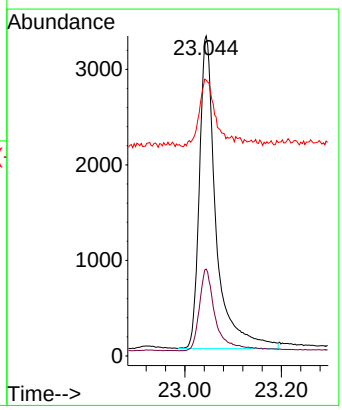




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.044 min Scan# 2631
Delta R.T. 0.003 min
Lab File: BN035754.D
Acq: 20 Dec 2024 22:33

Tgt Ion:264 Resp: 7852

Ion	Ratio	Lower	Upper
264	100		
260	27.2	21.4	32.2
265	86.2	40.2	60.4#



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035765.D
Acq On : 21 Dec 2024 05:10
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 56 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Quant Time: Dec 21 05:39:14 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.264	152	3545	0.400	ng		0.00
7) Naphthalene-d8	10.009	136	9106	0.400	ng		#-0.01
13) Acenaphthene-d10	13.924	164	5821	0.400	ng		-0.01
19) Phenanthrene-d10	16.698	188	12321	0.400	ng		# 0.00
29) Chrysene-d12	20.947	240	9836	0.400	ng		# 0.00
35) Perylene-d12	23.035	264	10740	0.400	ng		# 0.00
System Monitoring Compounds							
4) 2-Fluorophenol	4.932	112	3403	0.384	ng		0.00
5) Phenol-d6	6.477	99	3879	0.364	ng		-0.01
8) Nitrobenzene-d5	8.408	82	2756	0.496	ng		0.00
11) 2-Methylnaphthalene-d10	11.616	152	5263	0.369	ng		0.00
14) 2,4,6-Tribromophenol	15.453	330	1253	0.303	ng		0.00
15) 2-Fluorobiphenyl	12.538	172	8084	0.367	ng		0.00
27) Fluoranthene-d10	18.757	212	12191	0.349	ng		0.00
31) Terphenyl-d14	19.388	244	8488	0.437	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.982	88	1555	0.459	ng		96
3) n-Nitrosodimethylamine	3.278	42	1104	0.391	ng	#	93
6) bis(2-Chloroethyl)ether	6.723	93	3165	0.353	ng		98
9) Naphthalene	10.063	128	9097	0.379	ng		100
10) Hexachlorobutadiene	10.351	225	2300	0.415	ng	#	99
12) 2-Methylnaphthalene	11.692	142	6016	0.350	ng		99
16) Acenaphthylene	13.636	152	8764	0.359	ng		99
17) Acenaphthene	13.989	154	6047	0.373	ng		98
18) Fluorene	14.993	166	7942	0.342	ng		100
20) 4,6-Dinitro-2-methylph...	15.132	198	142	0.117	ng	#	1
21) 4-Bromophenyl-phenylether	15.904	248	2531	0.351	ng	#	83
22) Hexachlorobenzene	16.003	284	3667	0.433	ng		97
23) Atrazine	16.202	200	1895	0.369	ng		96
24) Pentachlorophenol	16.376	266	1177	0.320	ng	#	86
25) Phenanthrene	16.735	178	12350	0.365	ng		99
26) Anthracene	16.835	178	10612	0.347	ng		99
28) Fluoranthene	18.789	202	15375	0.337	ng		99
30) Pyrene	19.156	202	15587	0.429	ng		100
32) Benzo(a)anthracene	20.938	228	11659	0.339	ng		100
33) Chrysene	20.991	228	14263	0.402	ng		99
34) Bis(2-ethylhexyl)phtha...	20.902	149	5697	0.419	ng		99
36) Indeno(1,2,3-cd)pyrene	25.064	276	15666	0.373	ng		99
37) Benzo(b)fluoranthene	22.427	252	19003	0.484	ng		98
38) Benzo(k)fluoranthene	22.427	252	19003	0.491	ng		99
39) Benzo(a)pyrene	22.947	252	11742	0.363	ng		94
40) Dibenzo(a,h)anthracene	25.079	278	11661	0.352	ng		97
41) Benzo(g,h,i)perylene	25.675	276	14236	0.411	ng		99

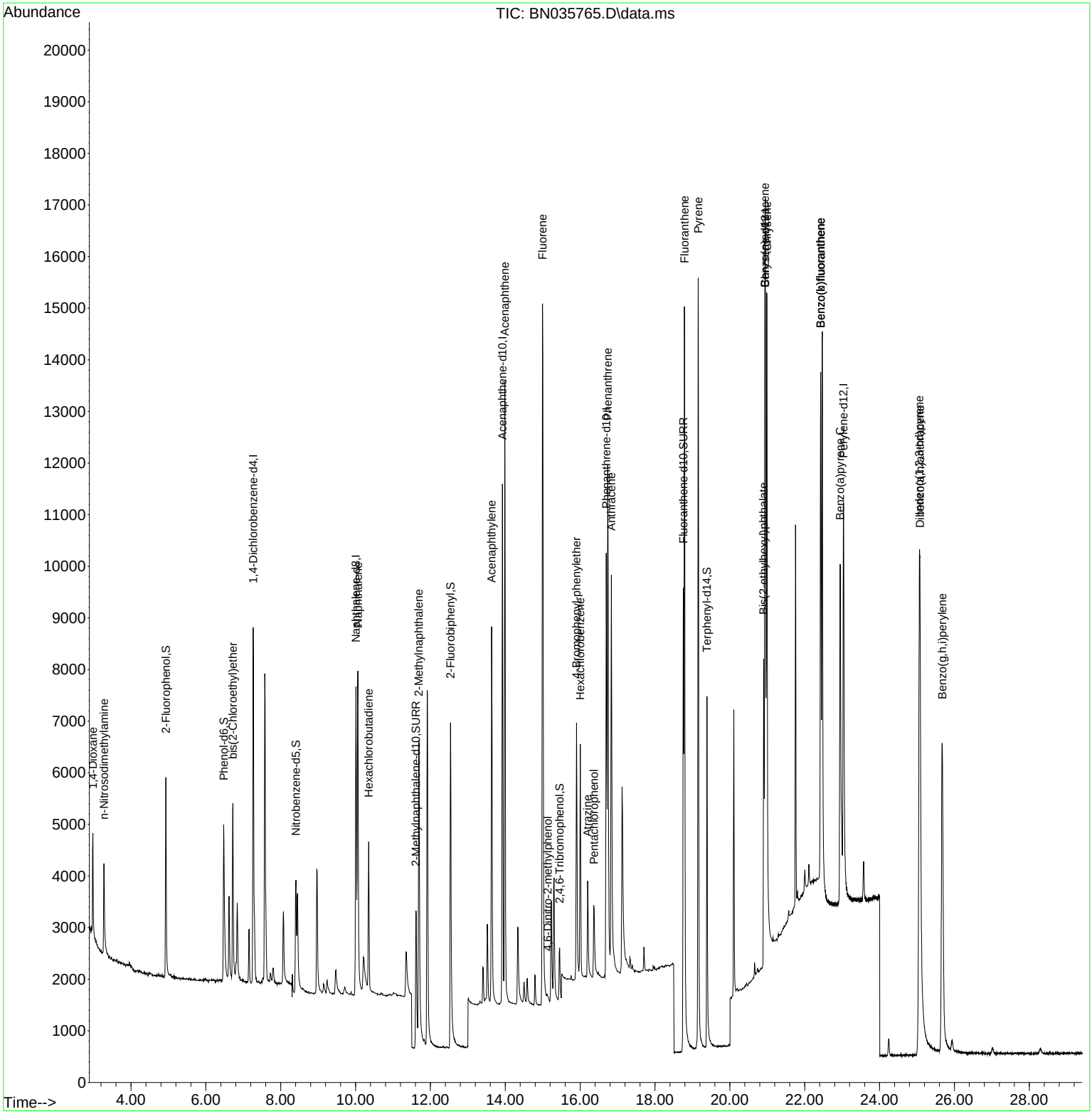
(#) = qualifier out of range (m) = manual integration (+) = signals summed

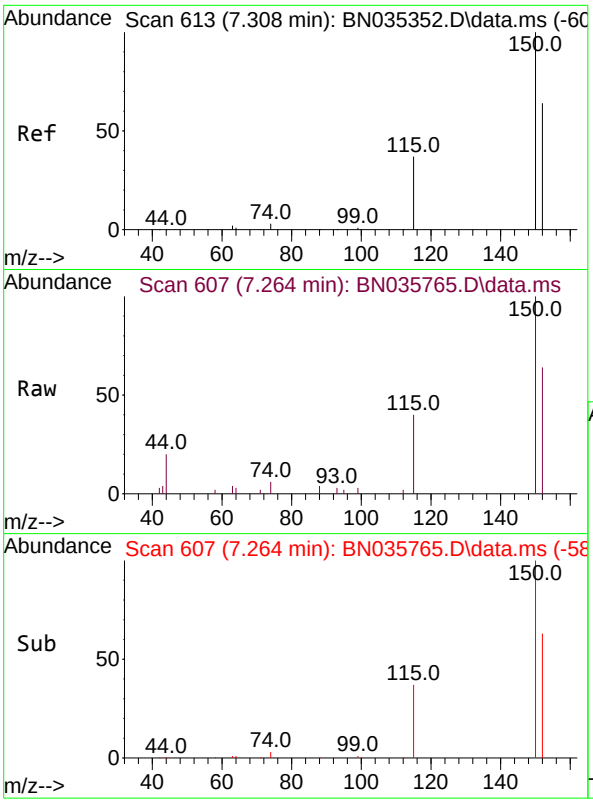
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121924\
Data File : BN035765.D
Acq On : 21 Dec 2024 05:10
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 56 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Quant Time: Dec 21 05:39:14 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration



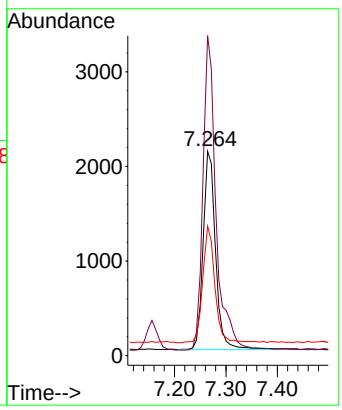


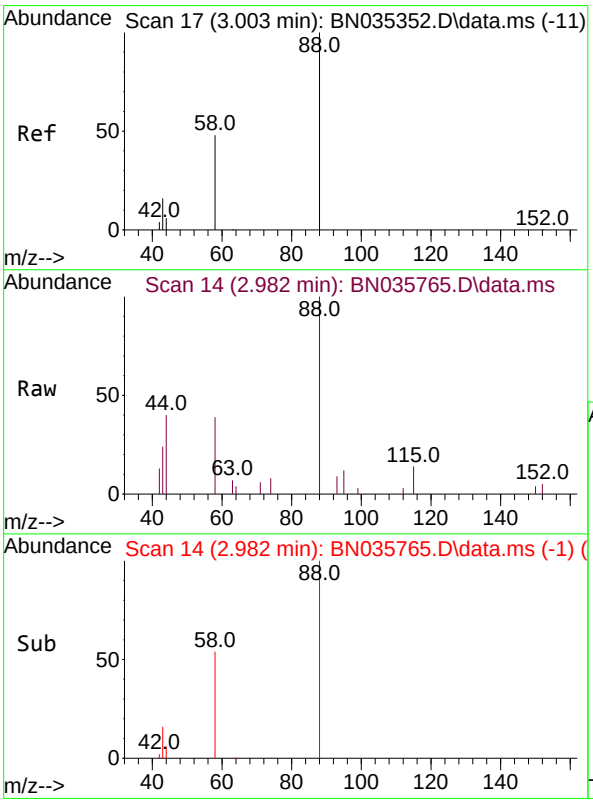
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.264 min Scan# 6
Delta R.T. -0.008 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 3545

Ion	Ratio	Lower	Upper
152	100		
150	156.6	124.0	186.0
115	63.3	49.6	74.4

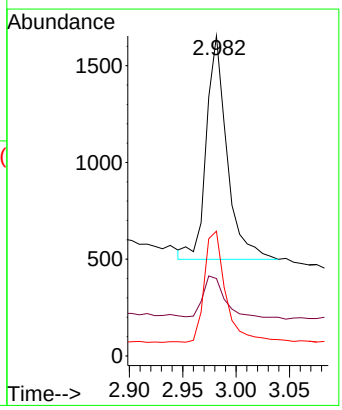


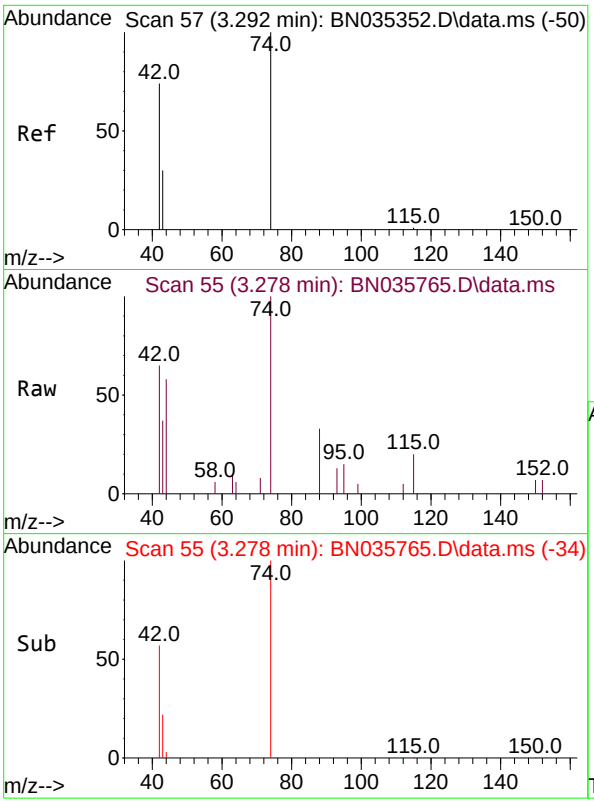


#2
1,4-Dioxane
Concen: 0.459 ng
RT: 2.982 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Tgt Ion: 88 Resp: 1555

Ion	Ratio	Lower	Upper
88	100		
43	22.1	17.2	25.8
58	52.2	44.5	66.7



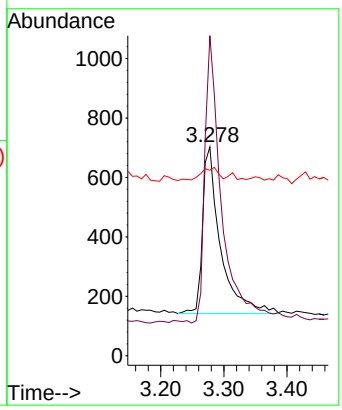


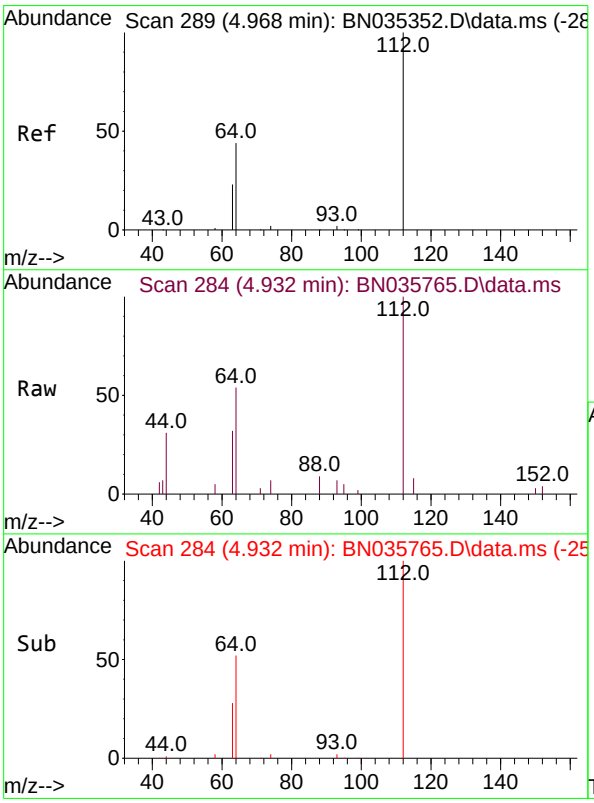
#3
n-Nitrosodimethylamine
Concen: 0.391 ng
RT: 3.278 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 42 Resp: 1104

Ion	Ratio	Lower	Upper
42	100		
74	165.7	124.9	187.3
44	6.3	2.2	3.4#

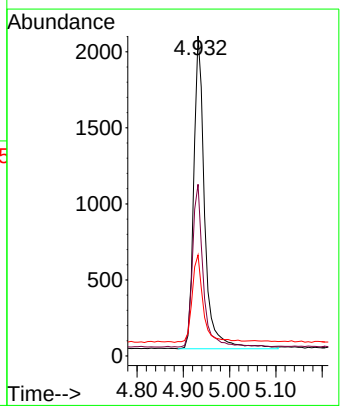


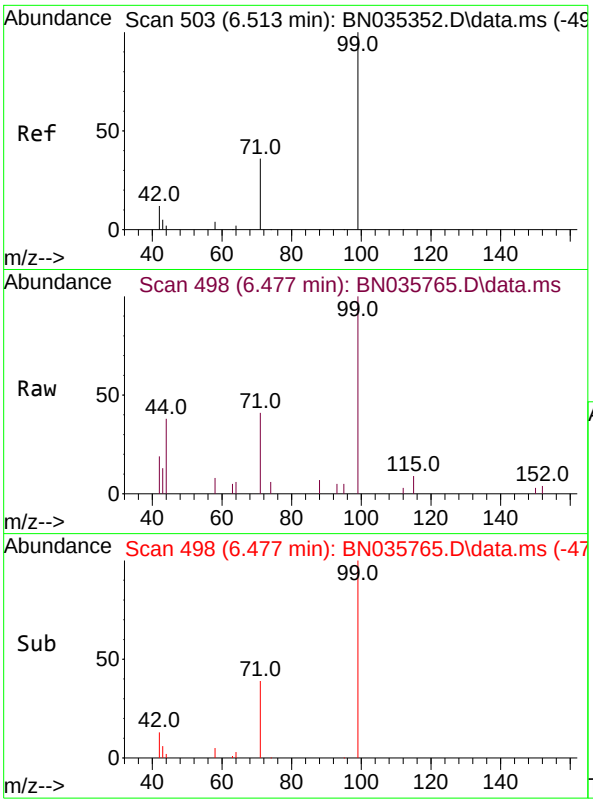


#4
2-Fluorophenol
Concen: 0.384 ng
RT: 4.932 min Scan# 284
Delta R.T. -0.007 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Tgt Ion:112 Resp: 3403

Ion	Ratio	Lower	Upper
112	100		
64	51.2	39.8	59.8
63	28.0	21.0	31.6



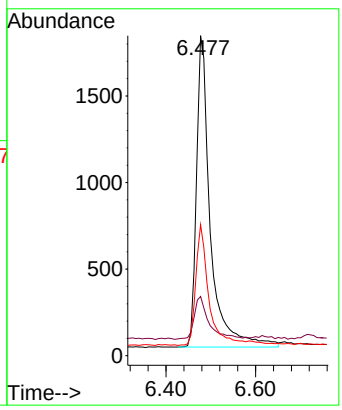


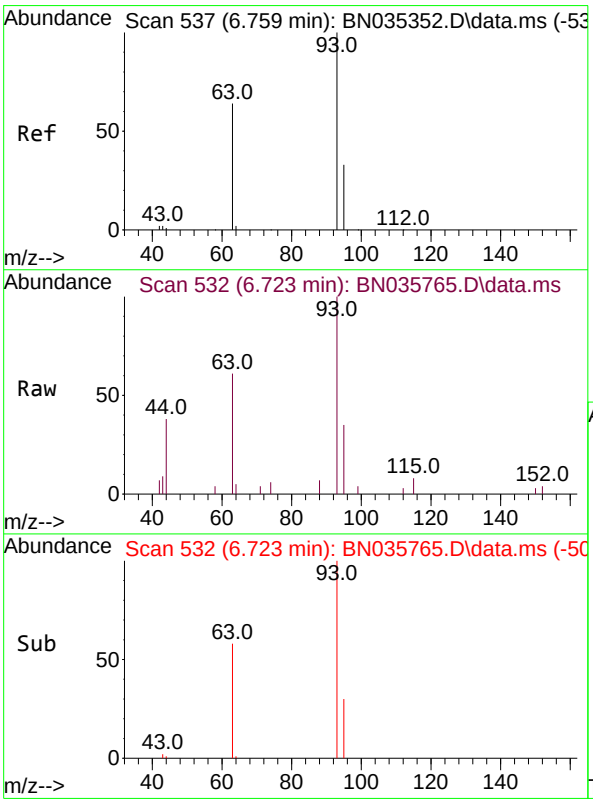
#5
Phenol-d6
Concen: 0.364 ng
RT: 6.477 min Scan# 4
Delta R.T. -0.015 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 99 Resp: 3879

Ion	Ratio	Lower	Upper
99	100		
42	14.6	11.4	17.2
71	35.9	29.3	43.9

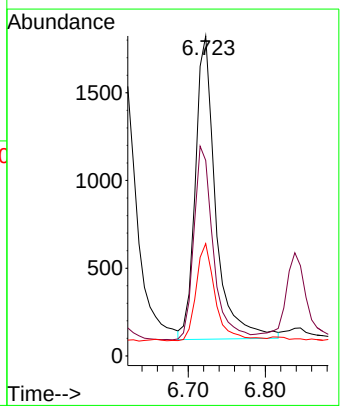


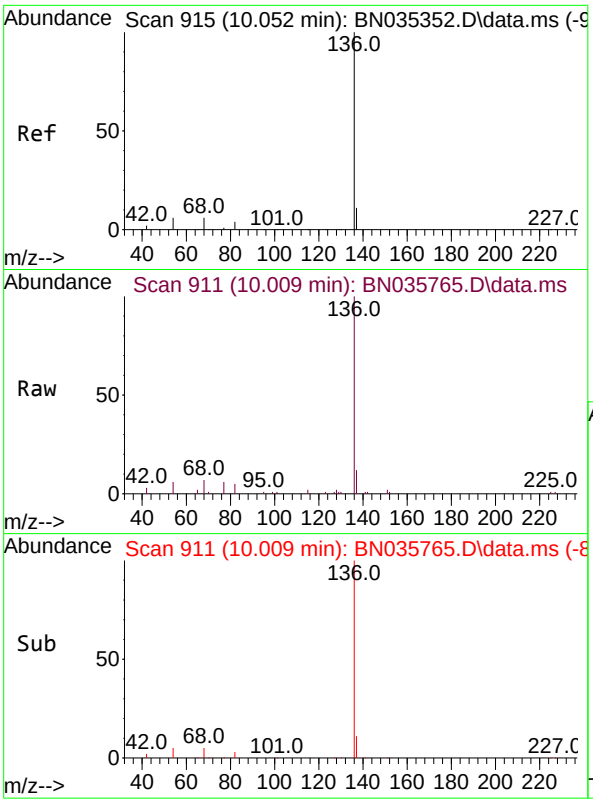


#6
bis(2-Chloroethyl)ether
Concen: 0.353 ng
RT: 6.723 min Scan# 532
Delta R.T. -0.007 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Tgt Ion: 93 Resp: 3165

Ion	Ratio	Lower	Upper
93	100		
63	61.5	50.4	75.6
95	30.6	25.7	38.5



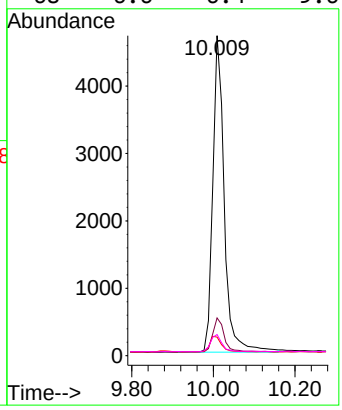


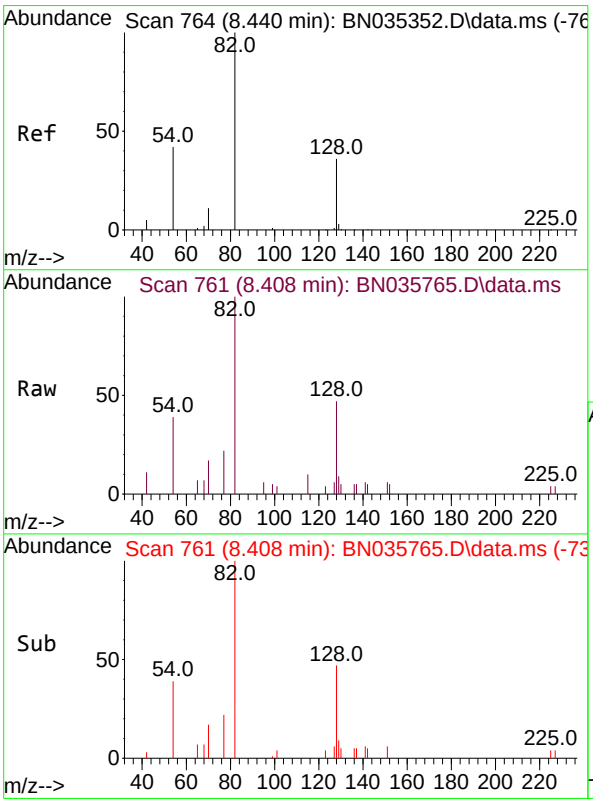
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.009 min Scan# 91
Delta R.T. -0.011 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:136 Resp: 9106

Ion	Ratio	Lower	Upper
136	100		
137	11.8	10.2	15.2
54	5.8	6.1	9.1#
68	6.6	6.4	9.6

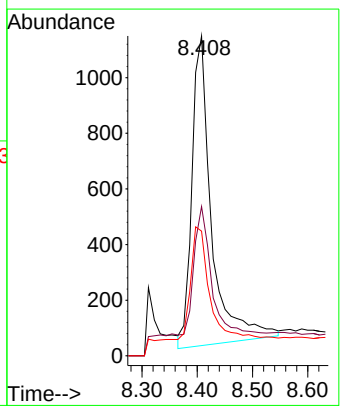


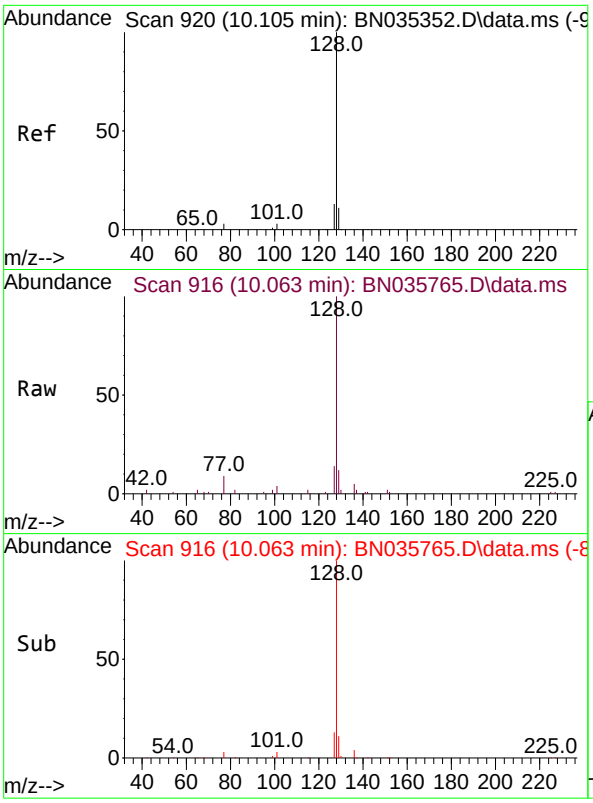


#8
Nitrobenzene-d5
Concen: 0.496 ng
RT: 8.408 min Scan# 761
Delta R.T. -0.000 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Tgt Ion: 82 Resp: 2756

Ion	Ratio	Lower	Upper
82	100		
128	46.7	33.4	50.0
54	39.0	36.7	55.1



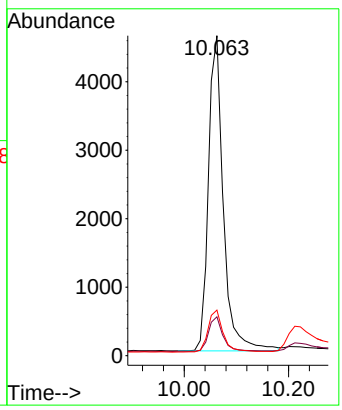


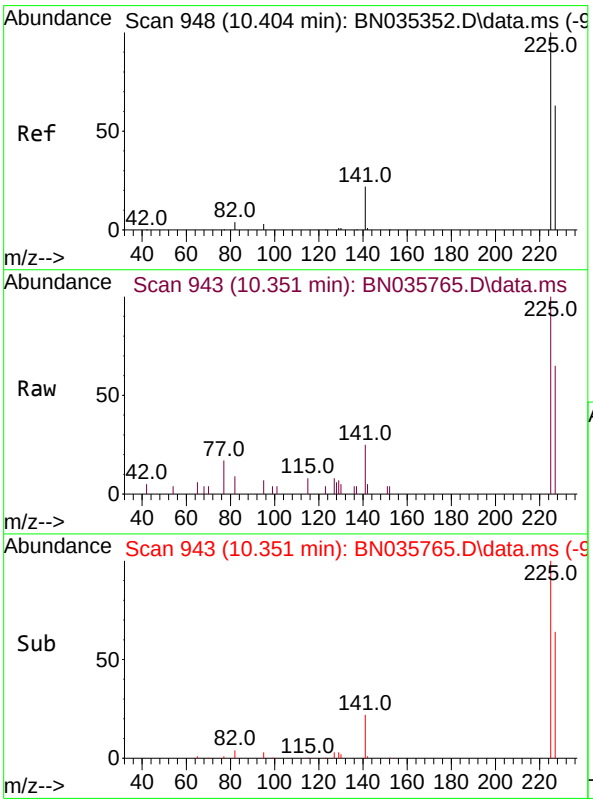
#9
Naphthalene
Concen: 0.379 ng
RT: 10.063 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:128 Resp: 9097

Ion	Ratio	Lower	Upper
128	100		
129	12.2	9.8	14.6
127	14.3	11.4	17.2

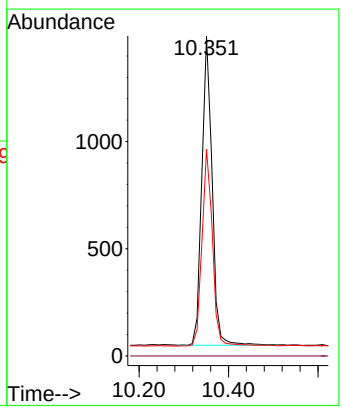


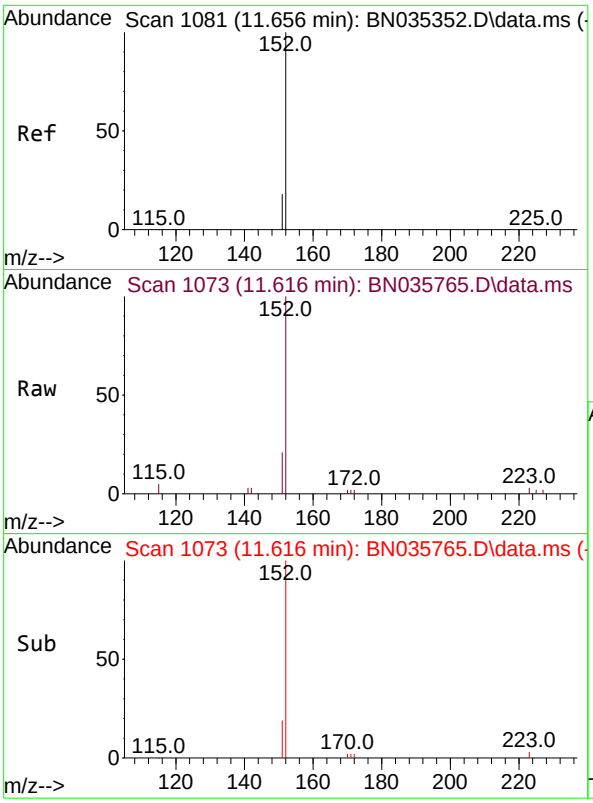


#10
Hexachlorobutadiene
Concen: 0.415 ng
RT: 10.351 min Scan# 943
Delta R.T. -0.011 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Tgt Ion:225 Resp: 2300

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	65.0	51.3	76.9



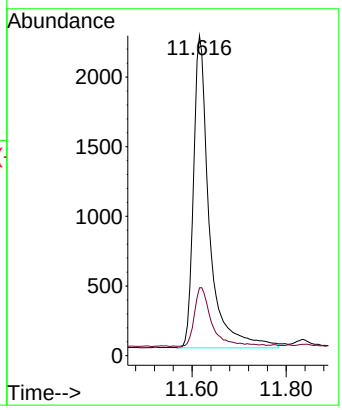


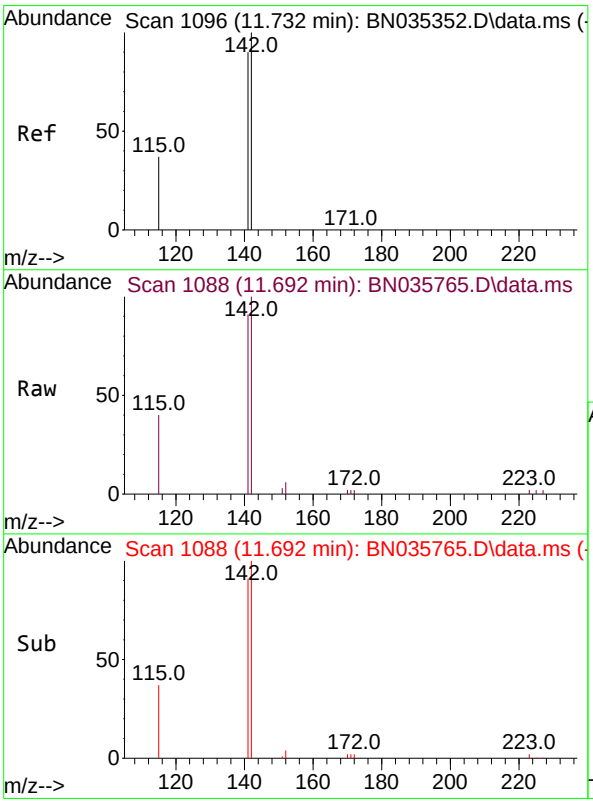
#11
2-Methylnaphthalene-d10
Concen: 0.369 ng
RT: 11.616 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 5263

Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.6	25.0

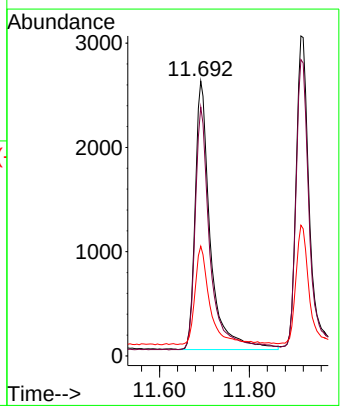


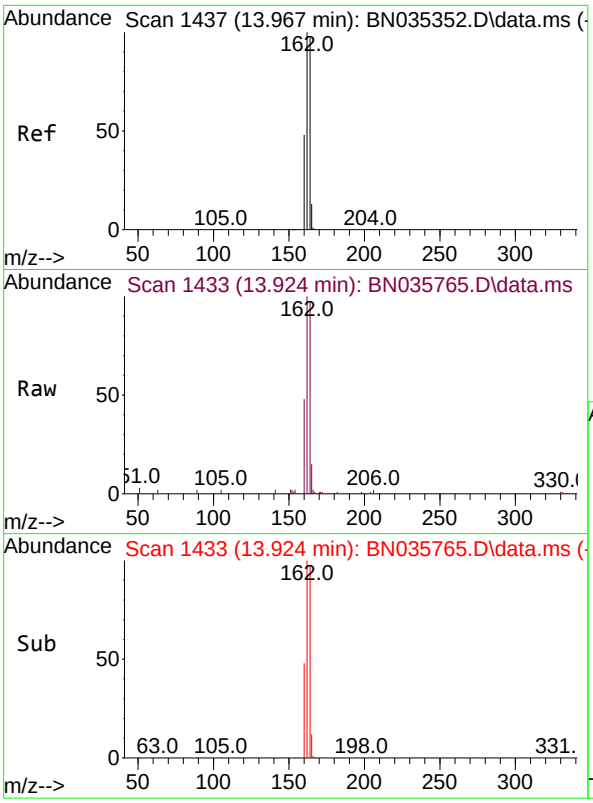


#12
2-Methylnaphthalene
Concen: 0.350 ng
RT: 11.692 min Scan# 1088
Delta R.T. -0.005 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Tgt Ion:142 Resp: 6016

Ion	Ratio	Lower	Upper
142	100		
141	90.5	72.2	108.4
115	39.9	31.4	47.0



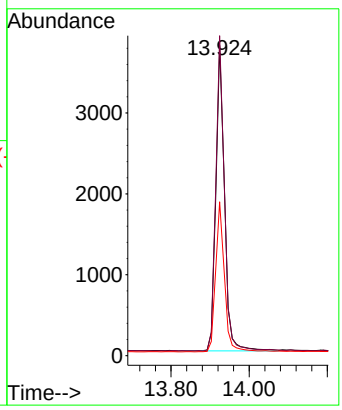


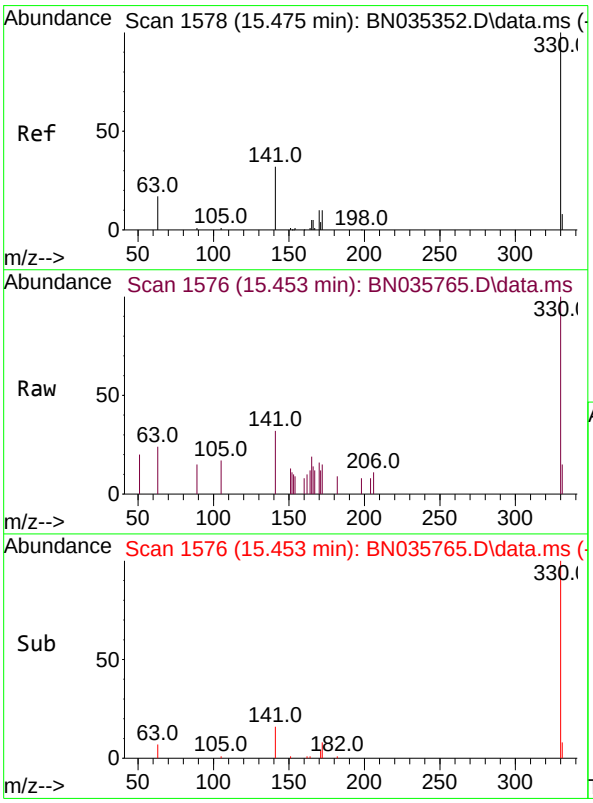
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.924 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:164 Resp: 5821

Ion	Ratio	Lower	Upper
164	100		
162	103.2	82.2	123.2
160	49.6	40.1	60.1

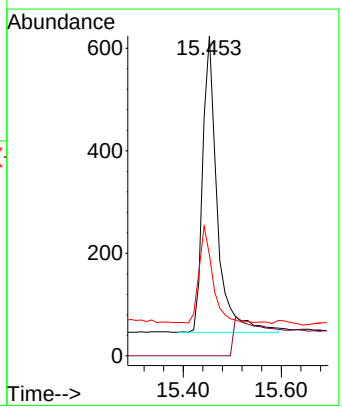


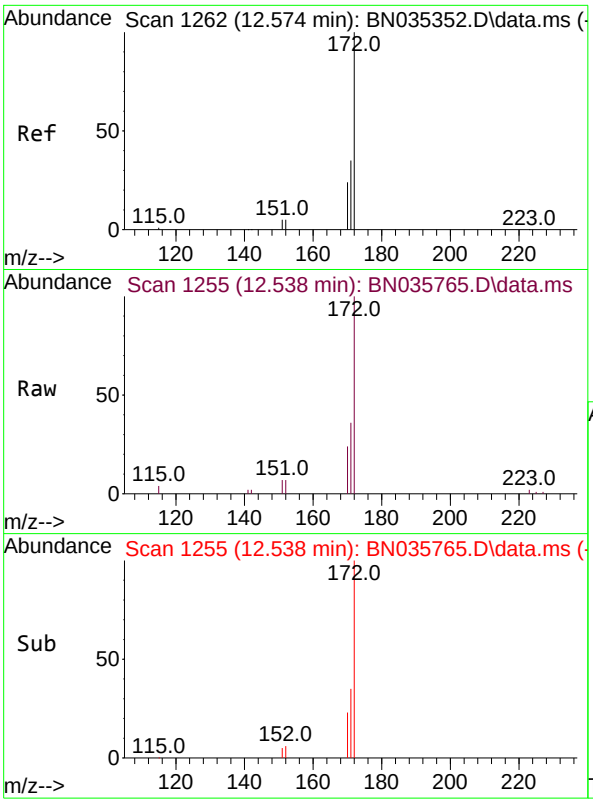


#14
2,4,6-Tribromophenol
Concen: 0.303 ng
RT: 15.453 min Scan# 1576
Delta R.T. -0.000 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Tgt Ion:330 Resp: 1253

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	29.6	26.6	40.0



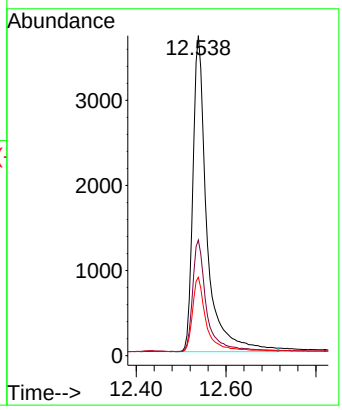


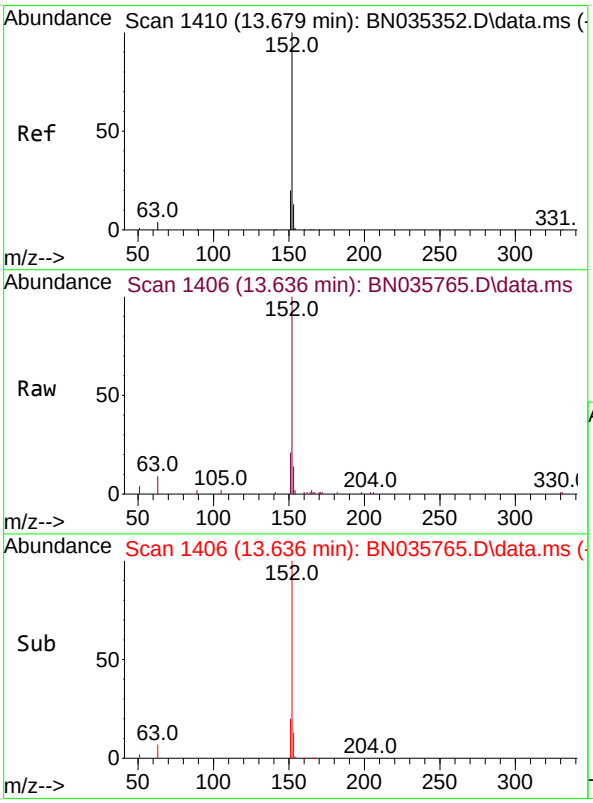
#15
2-Fluorobiphenyl
Concen: 0.367 ng
RT: 12.538 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:172 Resp: 8084

Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.0	43.4
170	24.5	19.8	29.8

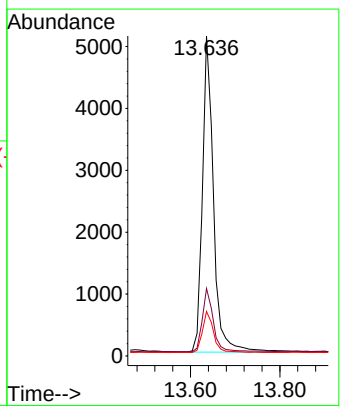


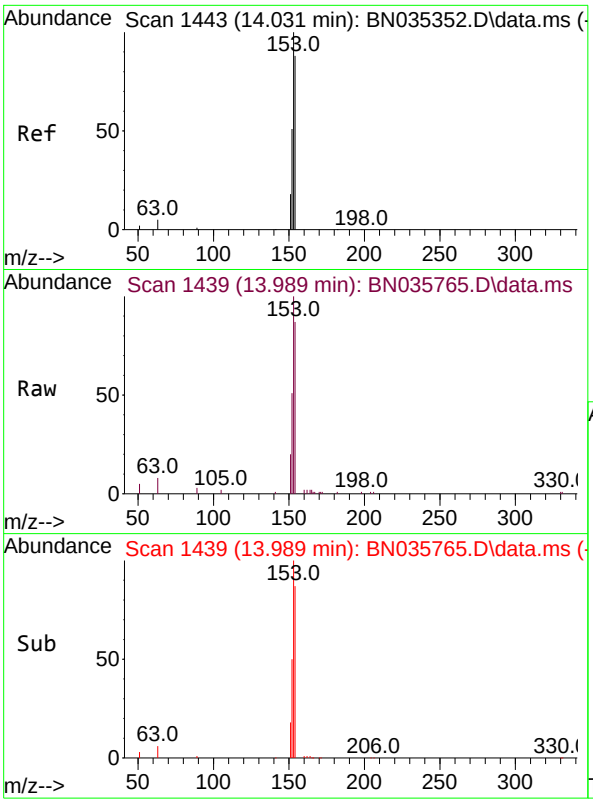


#16
Acenaphthylene
Concen: 0.359 ng
RT: 13.636 min Scan# 1406
Delta R.T. -0.011 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Tgt Ion:152 Resp: 8764

Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.2	24.2
153	13.0	10.4	15.6



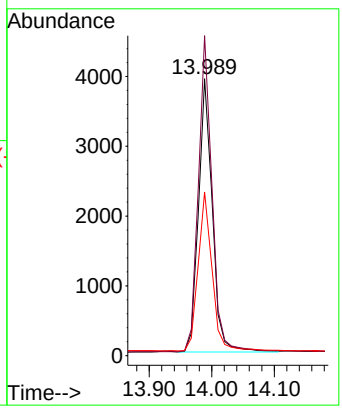


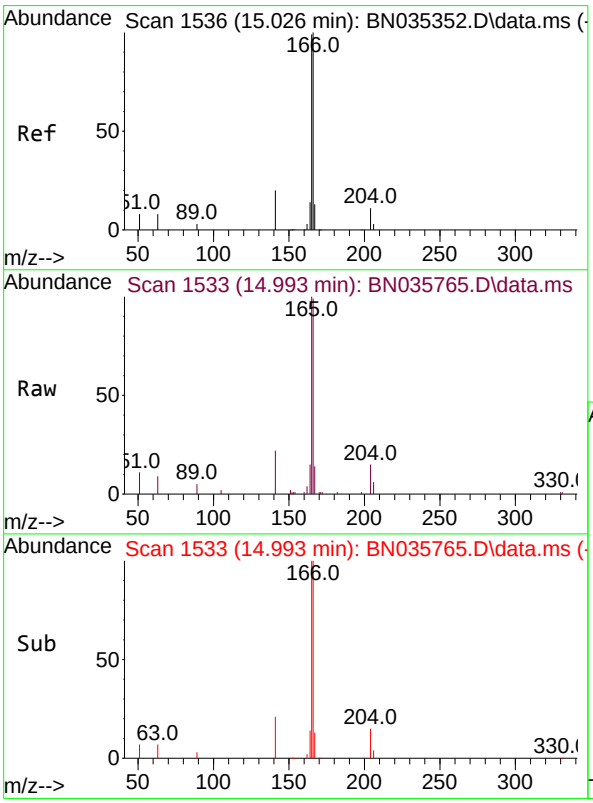
#17
Acenaphthene
Concen: 0.373 ng
RT: 13.989 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:154 Resp: 6047

Ion	Ratio	Lower	Upper
154	100		
153	114.7	92.6	139.0
152	58.8	49.0	73.6

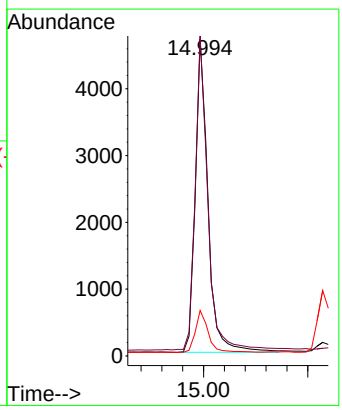


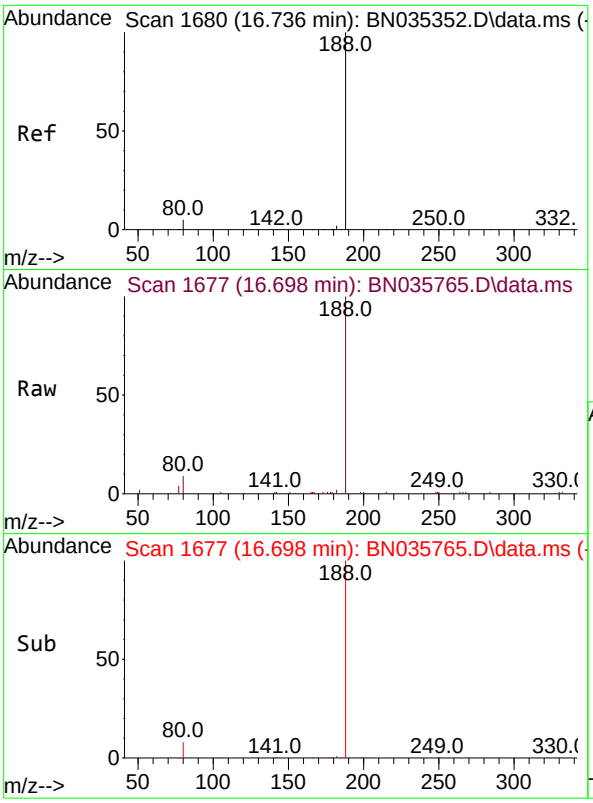


#18
Fluorene
Concen: 0.342 ng
RT: 14.993 min Scan# 1533
Delta R.T. -0.011 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Tgt Ion:166 Resp: 7942

Ion	Ratio	Lower	Upper
166	100		
165	99.1	79.7	119.5
167	13.6	10.8	16.2



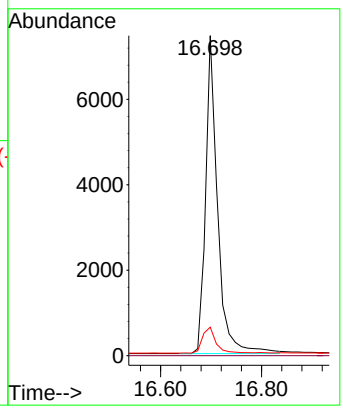


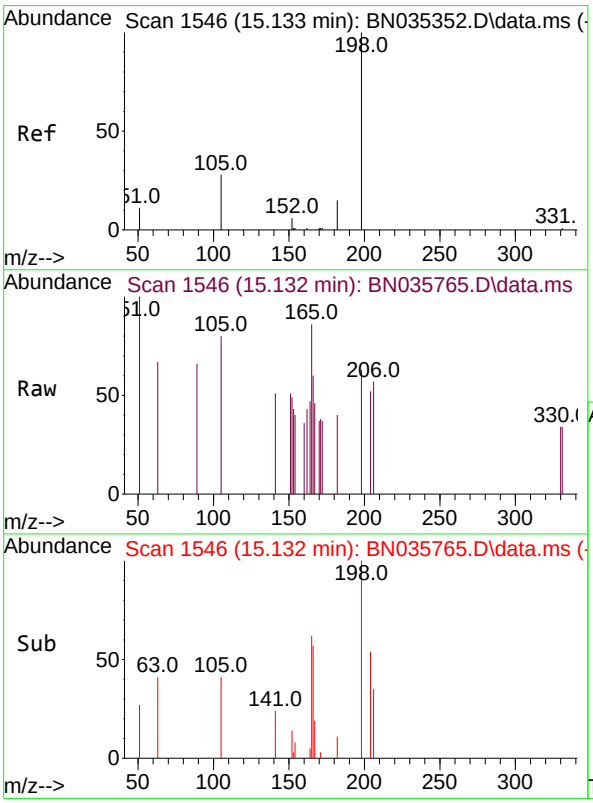
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.698 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:188 Resp: 12321

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.9	4.6	6.8#

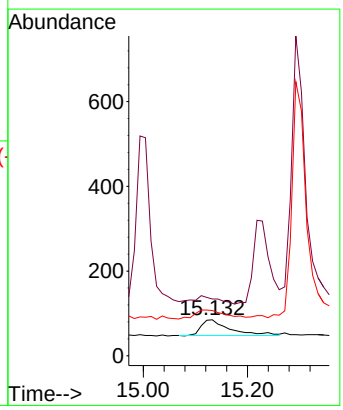


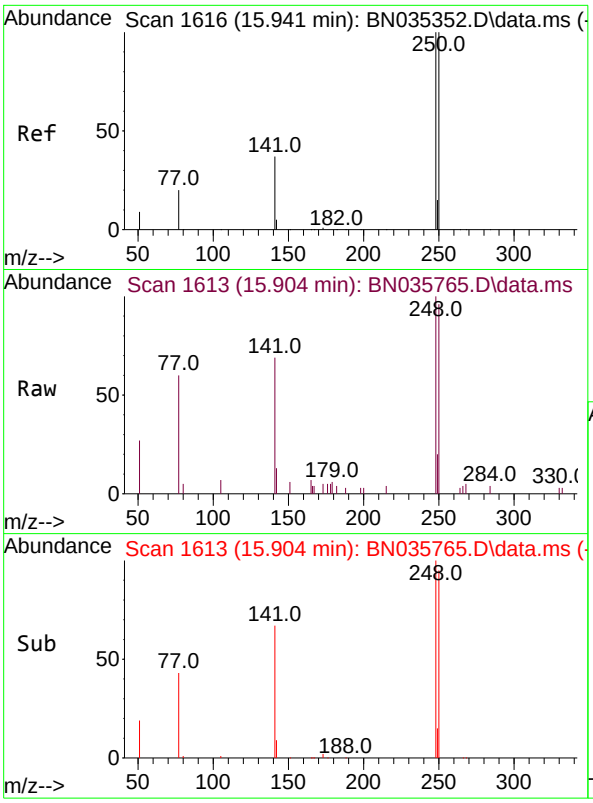


#20
4,6-Dinitro-2-methylphenol
Concen: 0.117 ng
RT: 15.132 min Scan# 1546
Delta R.T. 0.011 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Tgt Ion:198 Resp: 142

Ion	Ratio	Lower	Upper
198	100		
51	157.6	46.5	69.7#
105	125.9	45.3	67.9#



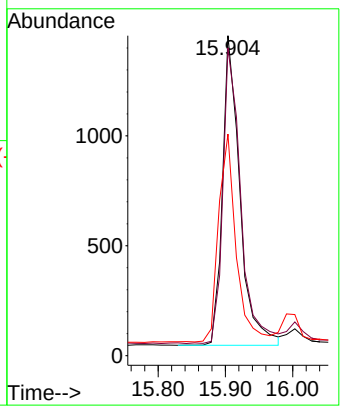


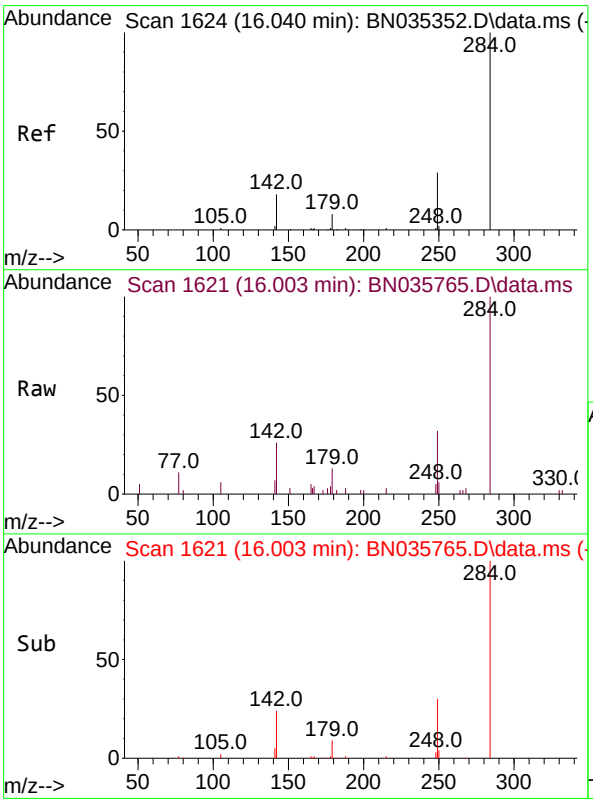
#21
4-Bromophenyl-phenylether
Concen: 0.351 ng
RT: 15.904 min Scan# 1
Delta R.T. -0.013 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:248 Resp: 2531

Ion	Ratio	Lower	Upper
248	100		
250	96.2	80.6	120.8
141	69.2	31.5	47.3#

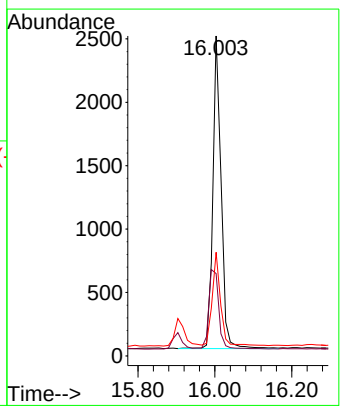


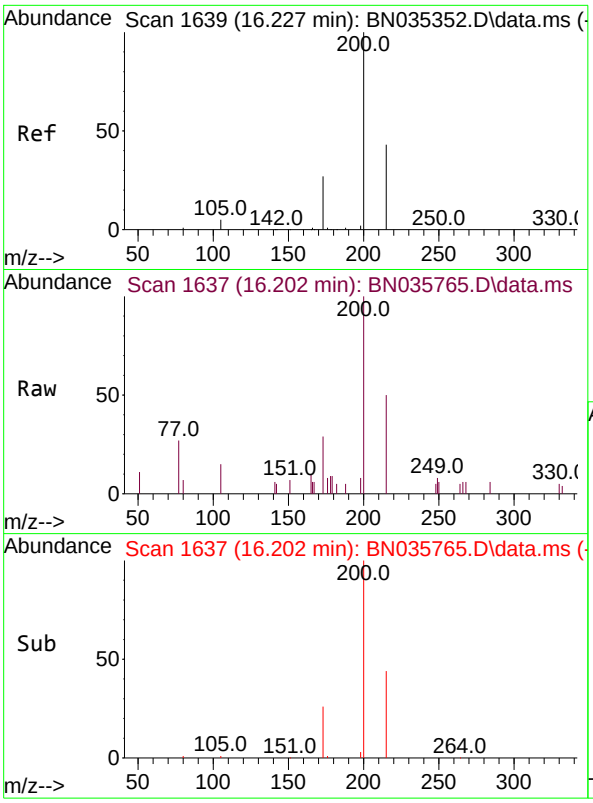


#22
Hexachlorobenzene
Concen: 0.433 ng
RT: 16.003 min Scan# 1621
Delta R.T. -0.013 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Tgt Ion:284 Resp: 3667

Ion	Ratio	Lower	Upper
284	100		
142	30.7	26.7	40.1
249	29.9	24.6	36.8



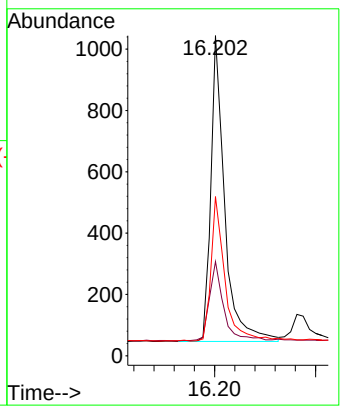


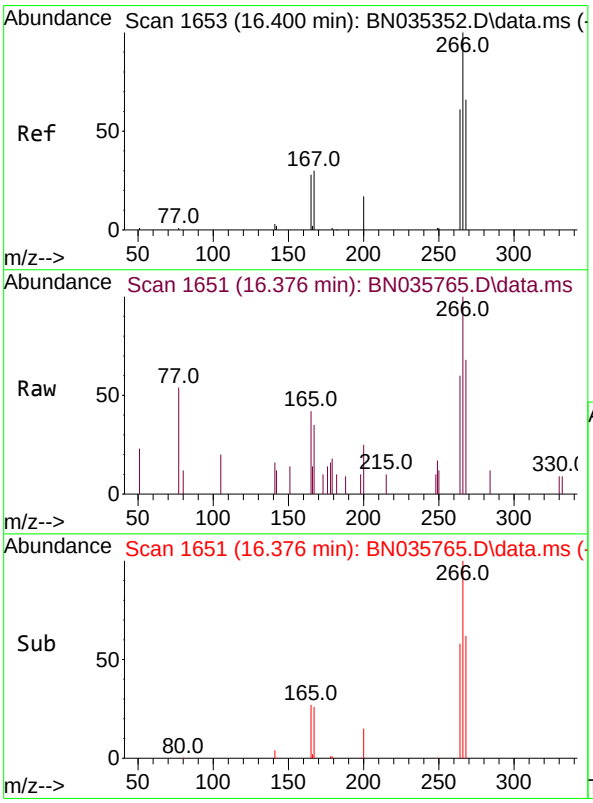
#23
Atrazine
Concen: 0.369 ng
RT: 16.202 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:200 Resp: 1895

Ion	Ratio	Lower	Upper
200	100		
173	29.4	24.1	36.1
215	49.7	36.9	55.3

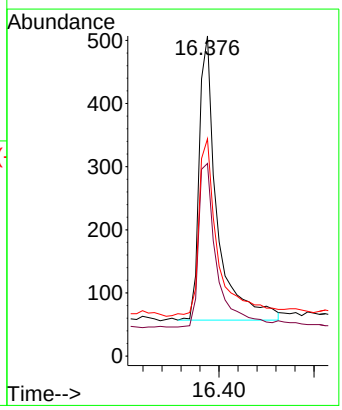


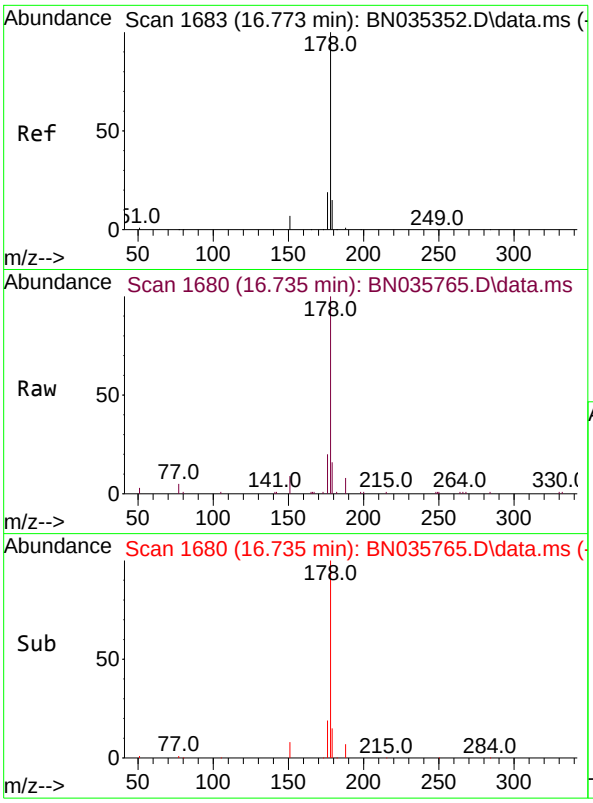


#24
Pentachlorophenol
Concen: 0.320 ng
RT: 16.376 min Scan# 1651
Delta R.T. -0.000 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Tgt Ion:266 Resp: 1177

Ion	Ratio	Lower	Upper
266	100		
264	59.3	42.3	63.5
268	67.2	43.3	64.9#



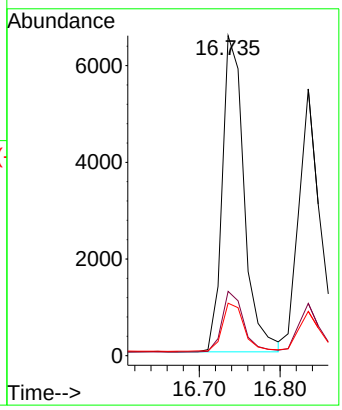


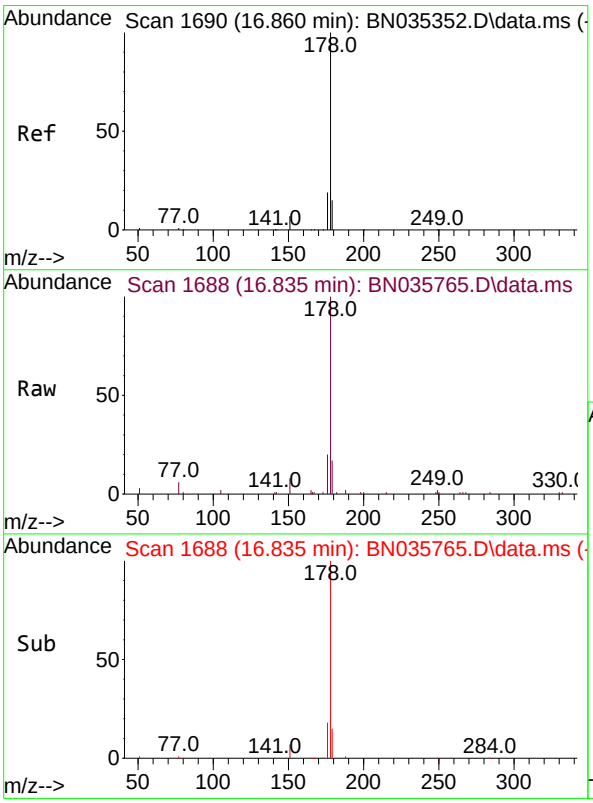
#25
Phenanthrene
Concen: 0.365 ng
RT: 16.735 min Scan# 1
Delta R.T. -0.013 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:178 Resp: 12350

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.2
179	15.4	12.3	18.5

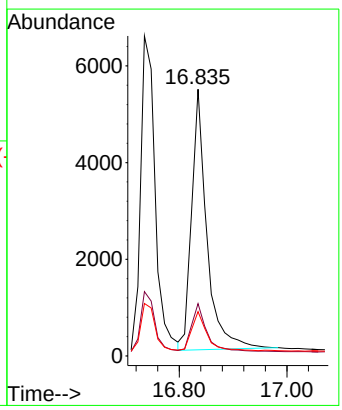


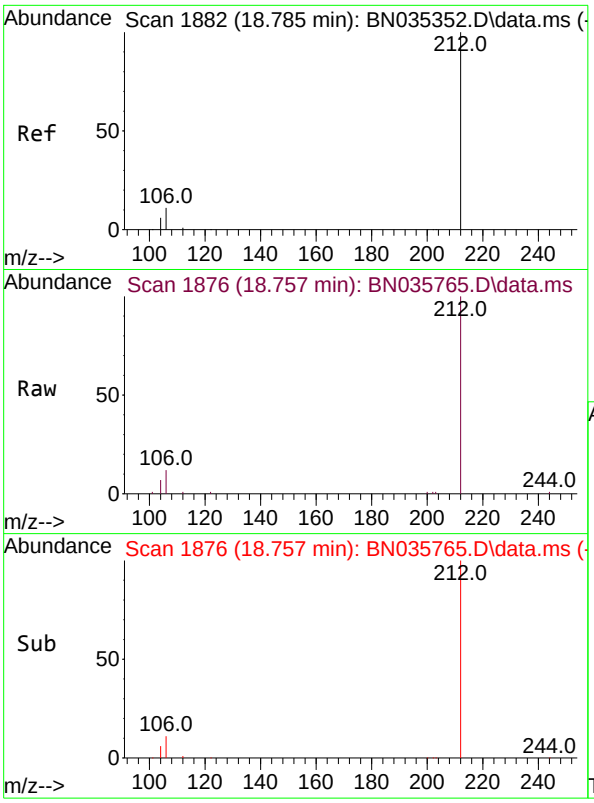


#26
Anthracene
Concen: 0.347 ng
RT: 16.835 min Scan# 1688
Delta R.T. -0.000 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Tgt Ion:178 Resp: 10612

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.0	22.6
179	15.2	12.6	18.8



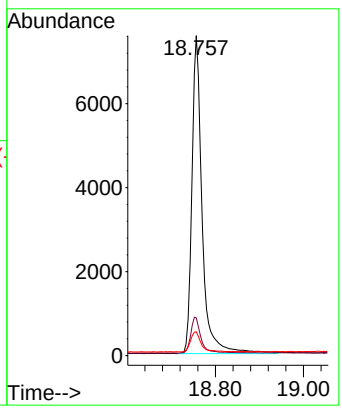


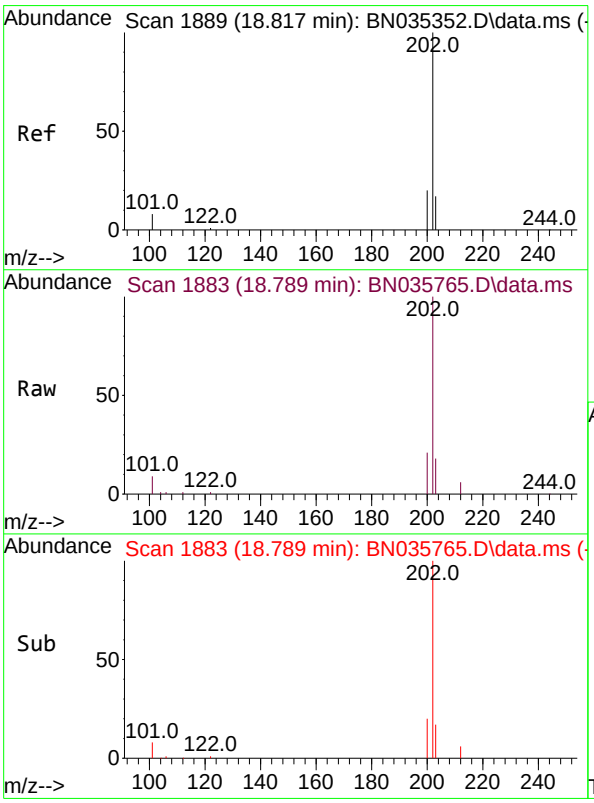
#27
Fluoranthene-d10
Concen: 0.349 ng
RT: 18.757 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:212 Resp: 12191

Ion	Ratio	Lower	Upper
212	100		
106	11.4	9.2	13.8
104	6.5	5.3	7.9

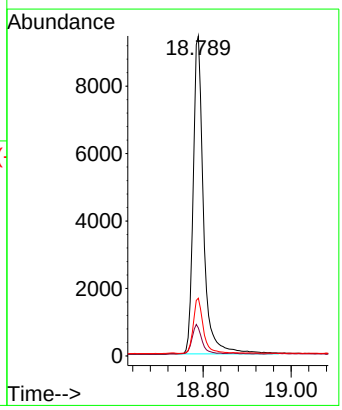


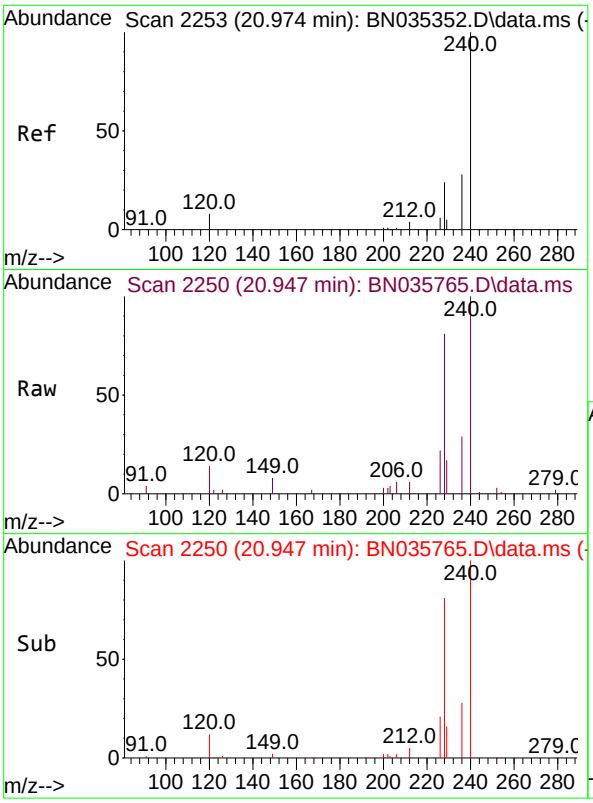


#28
Fluoranthene
Concen: 0.337 ng
RT: 18.789 min Scan# 1883
Delta R.T. -0.000 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Tgt Ion:202 Resp: 15375

Ion	Ratio	Lower	Upper
202	100		
101	9.2	7.4	11.0
203	16.8	13.7	20.5



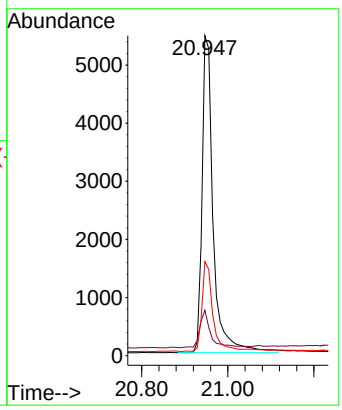


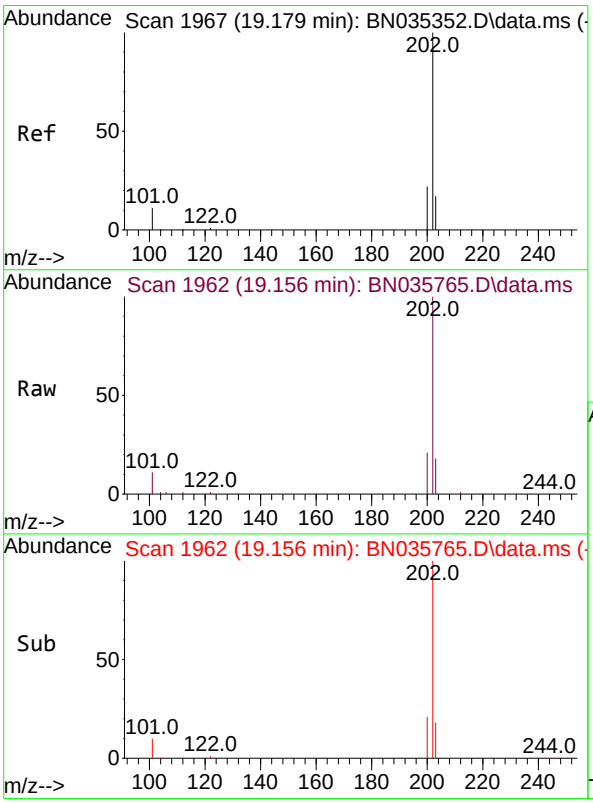
#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.947 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:240 Resp: 9836

Ion	Ratio	Lower	Upper
240	100		
120	14.2	7.9	11.9#
236	29.4	22.9	34.3

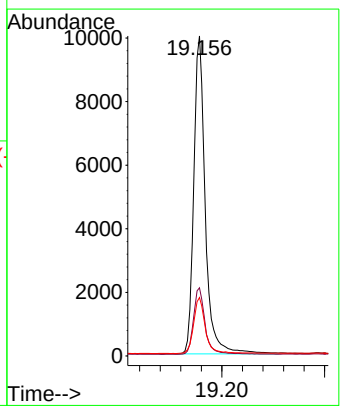


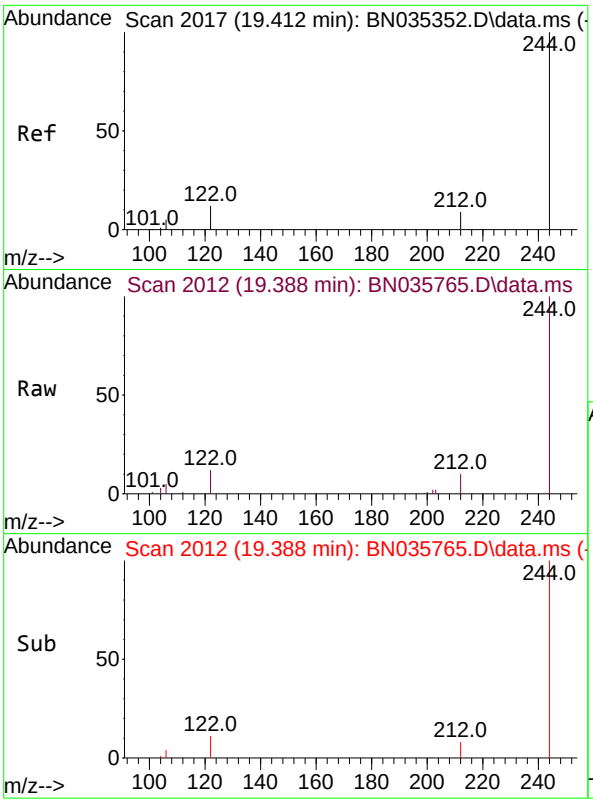


#30
Pyrene
Concen: 0.429 ng
RT: 19.156 min Scan# 1962
Delta R.T. -0.005 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Tgt Ion:202 Resp: 15587

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.0	25.4
203	18.0	14.3	21.5



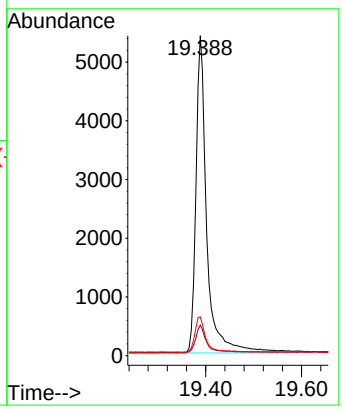


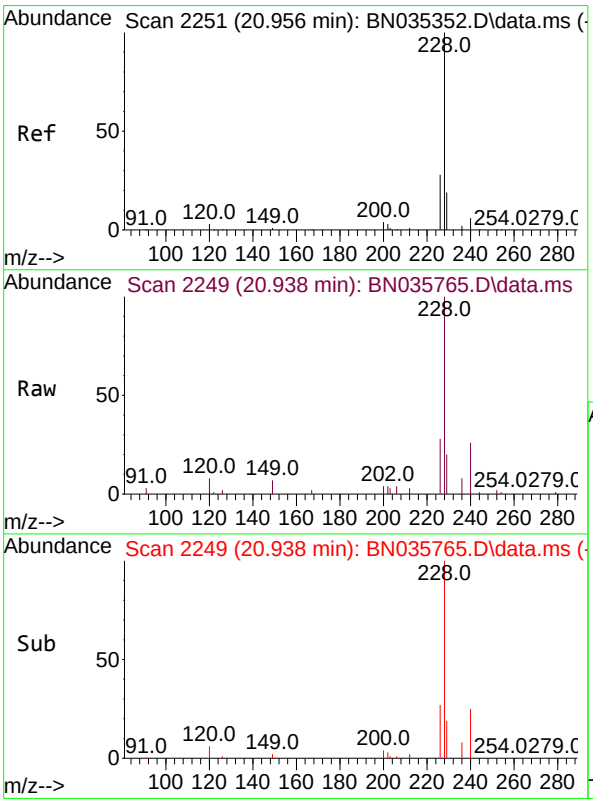
#31
Terphenyl-d14
Concen: 0.437 ng
RT: 19.388 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:244 Resp: 8488

Ion	Ratio	Lower	Upper
244	100		
212	9.6	8.1	12.1
122	12.1	10.3	15.5

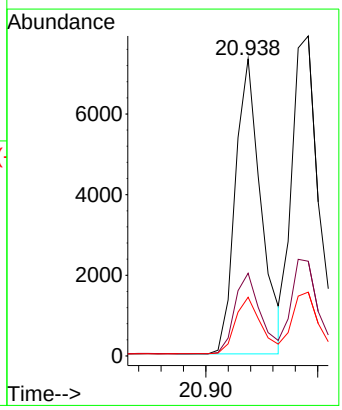


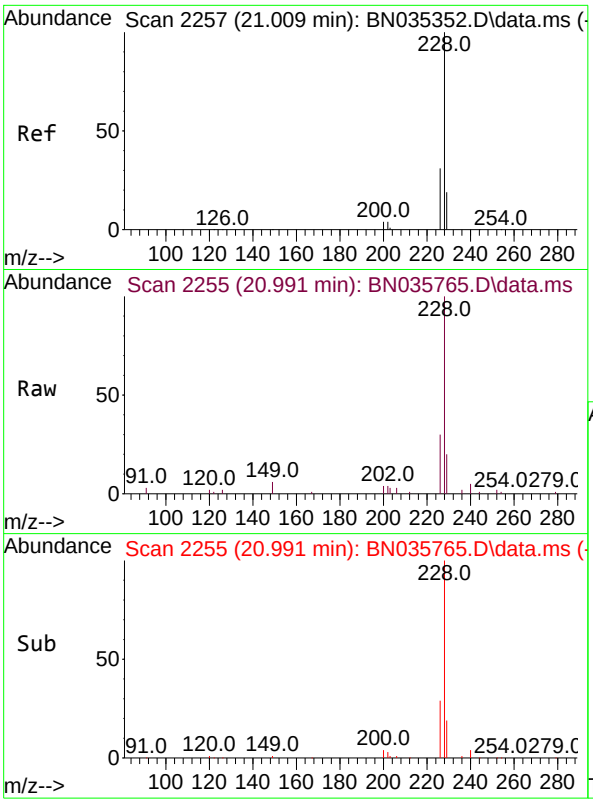


#32
Benzo(a)anthracene
Concen: 0.339 ng
RT: 20.938 min Scan# 2249
Delta R.T. -0.000 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Tgt Ion:228 Resp: 11659

Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.5	33.7
229	19.8	15.8	23.8



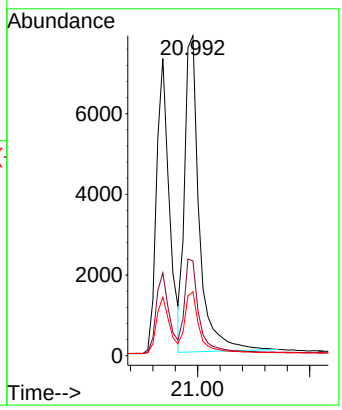


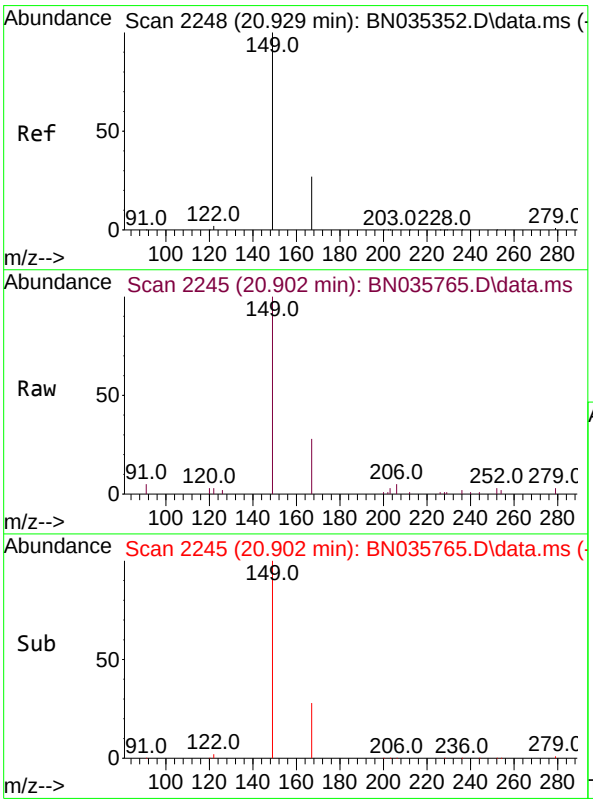
#33
Chrysene
Concen: 0.402 ng
RT: 20.991 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:228 Resp: 14263

Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.6	37.0
229	20.0	15.9	23.9

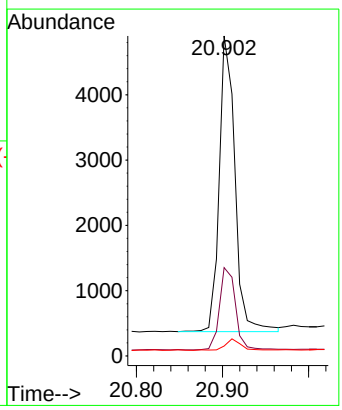


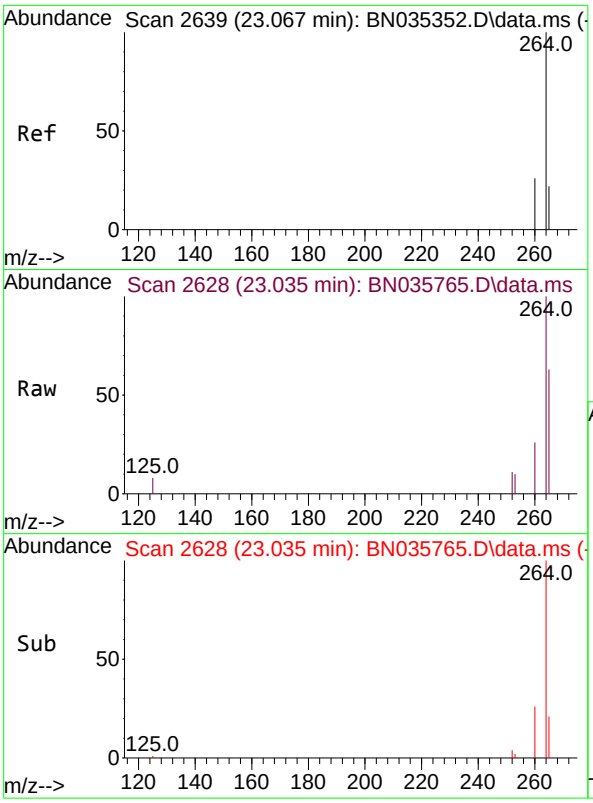


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.419 ng
RT: 20.902 min Scan# 2245
Delta R.T. -0.009 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Tgt Ion:149 Resp: 5697

Ion	Ratio	Lower	Upper
149	100		
167	28.5	22.2	33.4
279	3.9	2.7	4.1



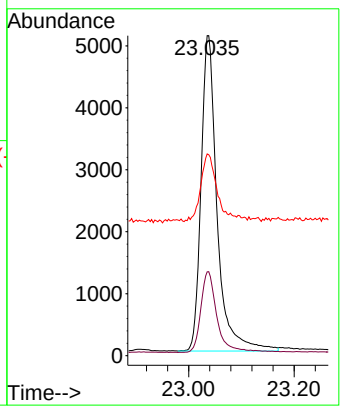


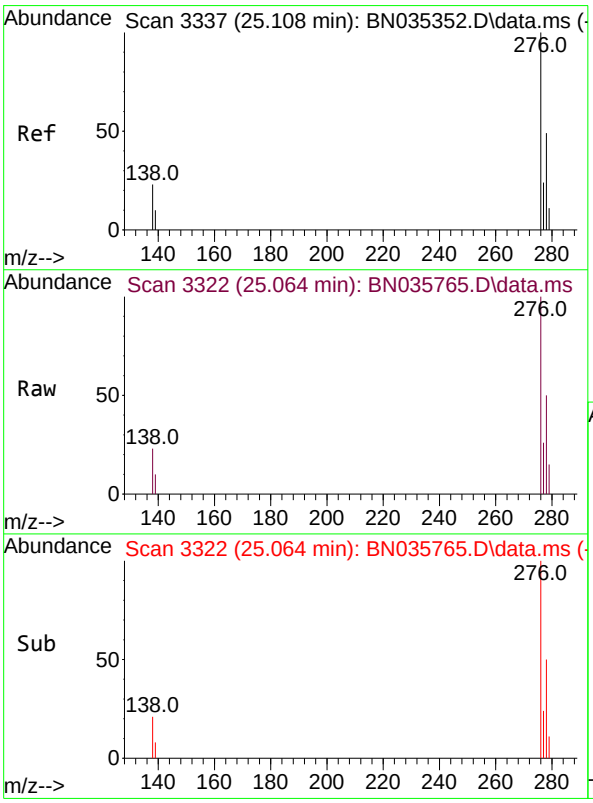
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.035 min Scan# 2
Delta R.T. -0.006 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:264 Resp: 10740

Ion	Ratio	Lower	Upper
264	100		
260	26.2	21.4	32.2
265	63.0	40.2	60.4#

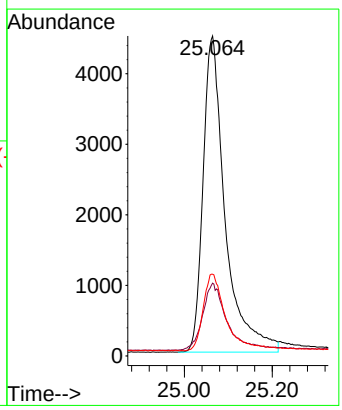


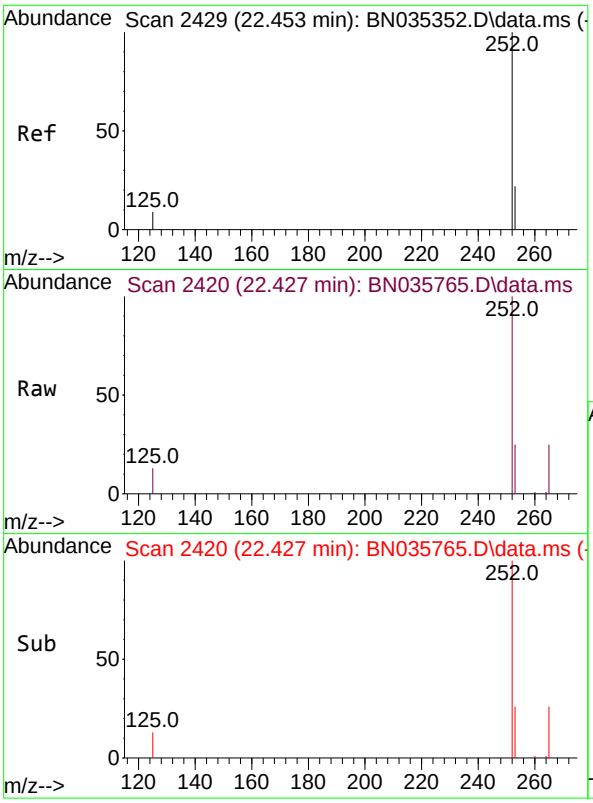


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.373 ng
RT: 25.064 min Scan# 3322
Delta R.T. -0.003 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Tgt Ion:276 Resp: 15666

Ion	Ratio	Lower	Upper
276	100		
138	22.9	19.4	29.0
277	24.7	19.8	29.6



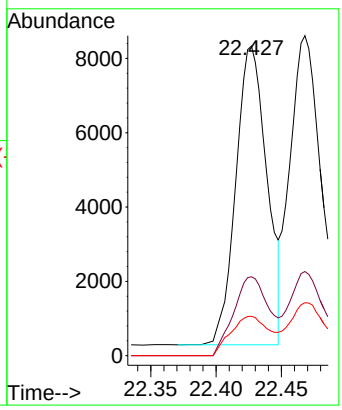


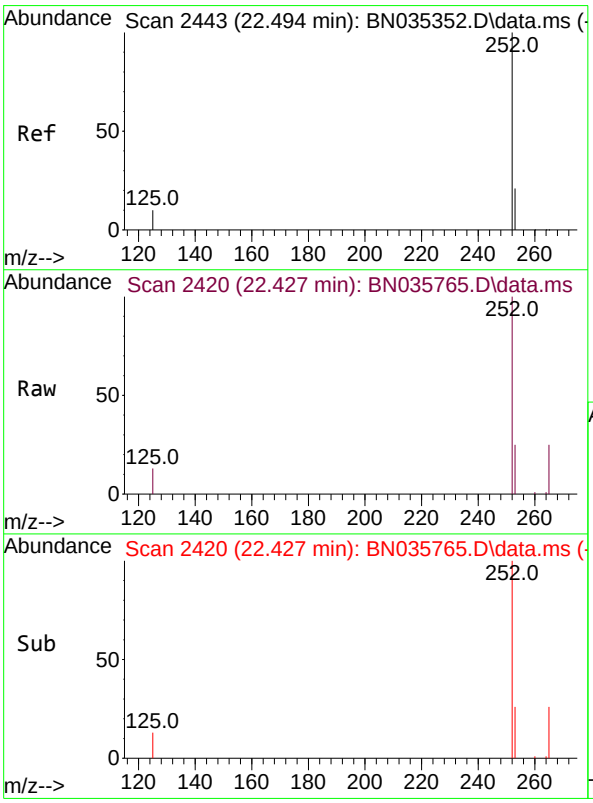
#37
Benzo(b)fluoranthene
Concen: 0.484 ng
RT: 22.427 min Scan# 24
Delta R.T. -0.003 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 19003

Ion	Ratio	Lower	Upper
252	100		
253	25.5	19.6	29.4
125	12.7	9.6	14.4

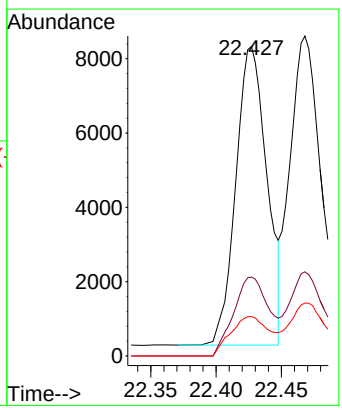


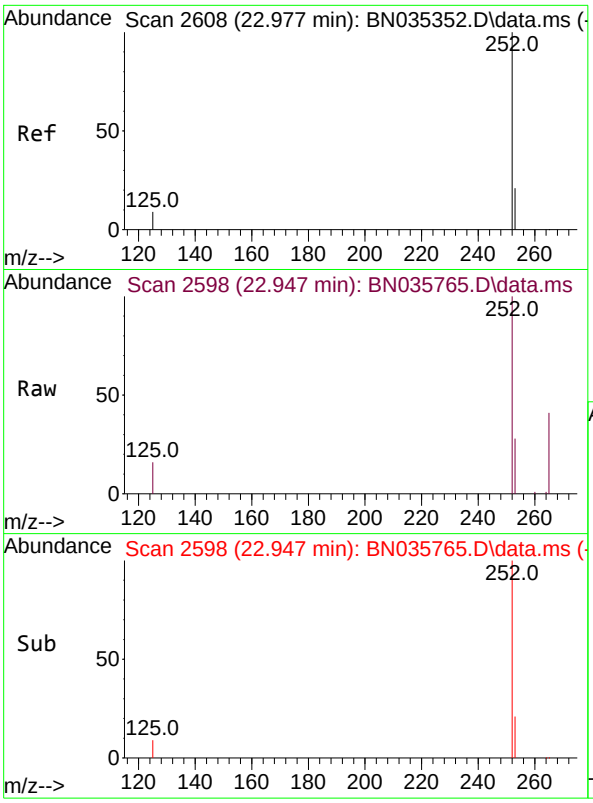


#38
Benzo(k)fluoranthene
Concen: 0.491 ng
RT: 22.427 min Scan# 2420
Delta R.T. -0.044 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Tgt Ion:252 Resp: 19003

Ion	Ratio	Lower	Upper
252	100		
253	25.5	19.5	29.3
125	12.7	10.2	15.4



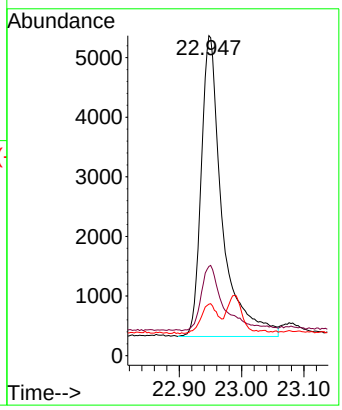


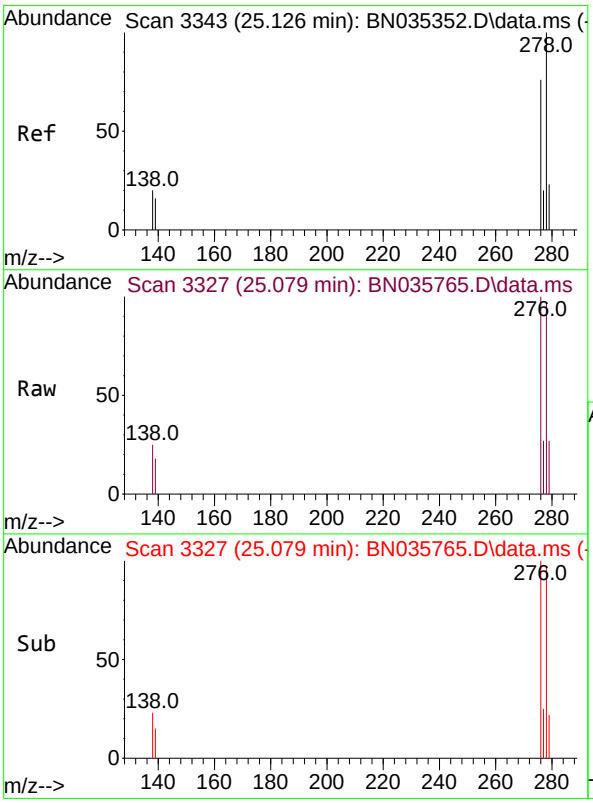
#39
Benzo(a)pyrene
Concen: 0.363 ng
RT: 22.947 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 11742

Ion	Ratio	Lower	Upper
252	100		
253	27.9	20.2	30.4
125	16.1	10.9	16.3

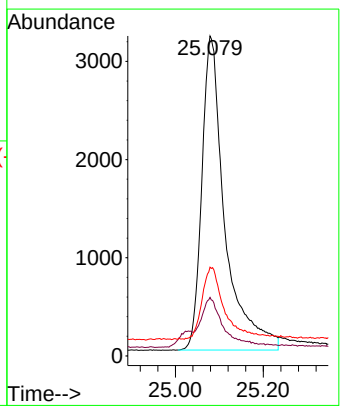


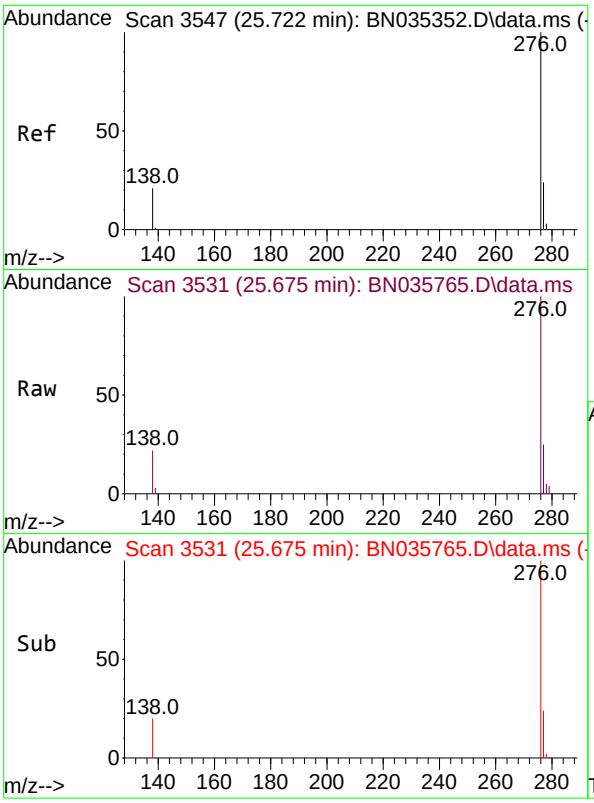


#40
Dibenzo(a,h)anthracene
Concen: 0.352 ng
RT: 25.079 min Scan# 3327
Delta R.T. -0.003 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Tgt Ion:278 Resp: 11661

Ion	Ratio	Lower	Upper
278	100		
139	18.3	14.2	21.4
279	27.7	20.5	30.7



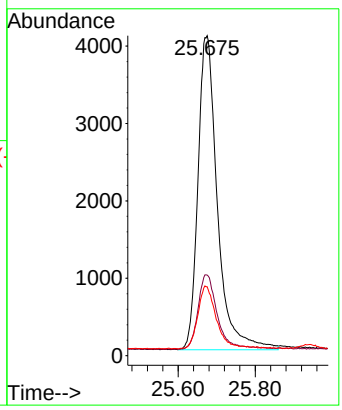


#41
Benzo(g,h,i)perylene
Concen: 0.411 ng
RT: 25.675 min Scan# 3
Delta R.T. -0.003 min
Lab File: BN035765.D
Acq: 21 Dec 2024 05:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 14236

Ion	Ratio	Lower	Upper
276	100		
277	25.2	19.9	29.9
138	21.5	17.8	26.8



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122624\
Data File : BN035845.D
Acq On : 26 Dec 2024 09:58
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Dec 27 00:40:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.257	152	3755	0.400	ng		-0.01
7) Naphthalene-d8	9.999	136	9322	0.400	ng		#-0.02
13) Acenaphthene-d10	13.914	164	5387	0.400	ng		-0.02
19) Phenanthrene-d10	16.686	188	11262	0.400	ng		#-0.01
29) Chrysene-d12	20.938	240	9932	0.400	ng		#-0.02
35) Perylene-d12	23.021	264	10817	0.400	ng		#-0.02
System Monitoring Compounds							
4) 2-Fluorophenol	4.924	112	3777	0.402	ng		-0.01
5) Phenol-d6	6.470	99	4175	0.369	ng		-0.02
8) Nitrobenzene-d5	8.397	82	3148	0.553	ng		-0.01
11) 2-Methylnaphthalene-d10	11.600	152	5080	0.348	ng		-0.02
14) 2,4,6-Tribromophenol	15.432	330	1338	0.350	ng		-0.02
15) 2-Fluorobiphenyl	12.523	172	8104	0.398	ng		-0.02
27) Fluoranthene-d10	18.743	212	11161	0.350	ng		-0.02
31) Terphenyl-d14	19.375	244	7783	0.397	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	2.982	88	1520	0.423	ng		97
3) n-Nitrosodimethylamine	3.270	42	1223	0.409	ng	#	82
6) bis(2-Chloroethyl)ether	6.708	93	3599	0.379	ng		99
9) Naphthalene	10.041	128	9440	0.384	ng		100
10) Hexachlorobutadiene	10.340	225	2352	0.415	ng	#	99
12) 2-Methylnaphthalene	11.676	142	5939	0.337	ng		98
16) Acenaphthylene	13.625	152	8340	0.369	ng		100
17) Acenaphthene	13.978	154	5695	0.379	ng		99
18) Fluorene	14.983	166	7523	0.350	ng		99
20) 4,6-Dinitro-2-methylph...	15.100	198	526	0.475	ng	#	39
21) 4-Bromophenyl-phenylether	15.891	248	2443	0.371	ng	#	87
22) Hexachlorobenzene	15.991	284	3482	0.450	ng		95
23) Atrazine	16.189	200	1843	0.393	ng		97
24) Pentachlorophenol	16.363	266	1383	0.411	ng		87
25) Phenanthrene	16.723	178	11602	0.375	ng		100
26) Anthracene	16.822	178	10005	0.358	ng		100
28) Fluoranthene	18.775	202	14489	0.347	ng		98
30) Pyrene	19.142	202	15278	0.417	ng		100
32) Benzo(a)anthracene	20.920	228	12798	0.368	ng		100
33) Chrysene	20.974	228	14214	0.397	ng		100
34) Bis(2-ethylhexyl)phtha...	20.893	149	6282	0.458	ng		100
36) Indeno(1,2,3-cd)pyrene	25.041	276	15946	0.377	ng		97
37) Benzo(b)fluoranthene	22.412	252	19565	0.494	ng	#	96
38) Benzo(k)fluoranthene	22.412	252	19565	0.502	ng		96
39) Benzo(a)pyrene	22.933	252	12458	0.382	ng	#	92
40) Dibenzo(a,h)anthracene	25.058	278	12678	0.380	ng		96
41) Benzo(g,h,i)perylene	25.646	276	14614	0.419	ng		98

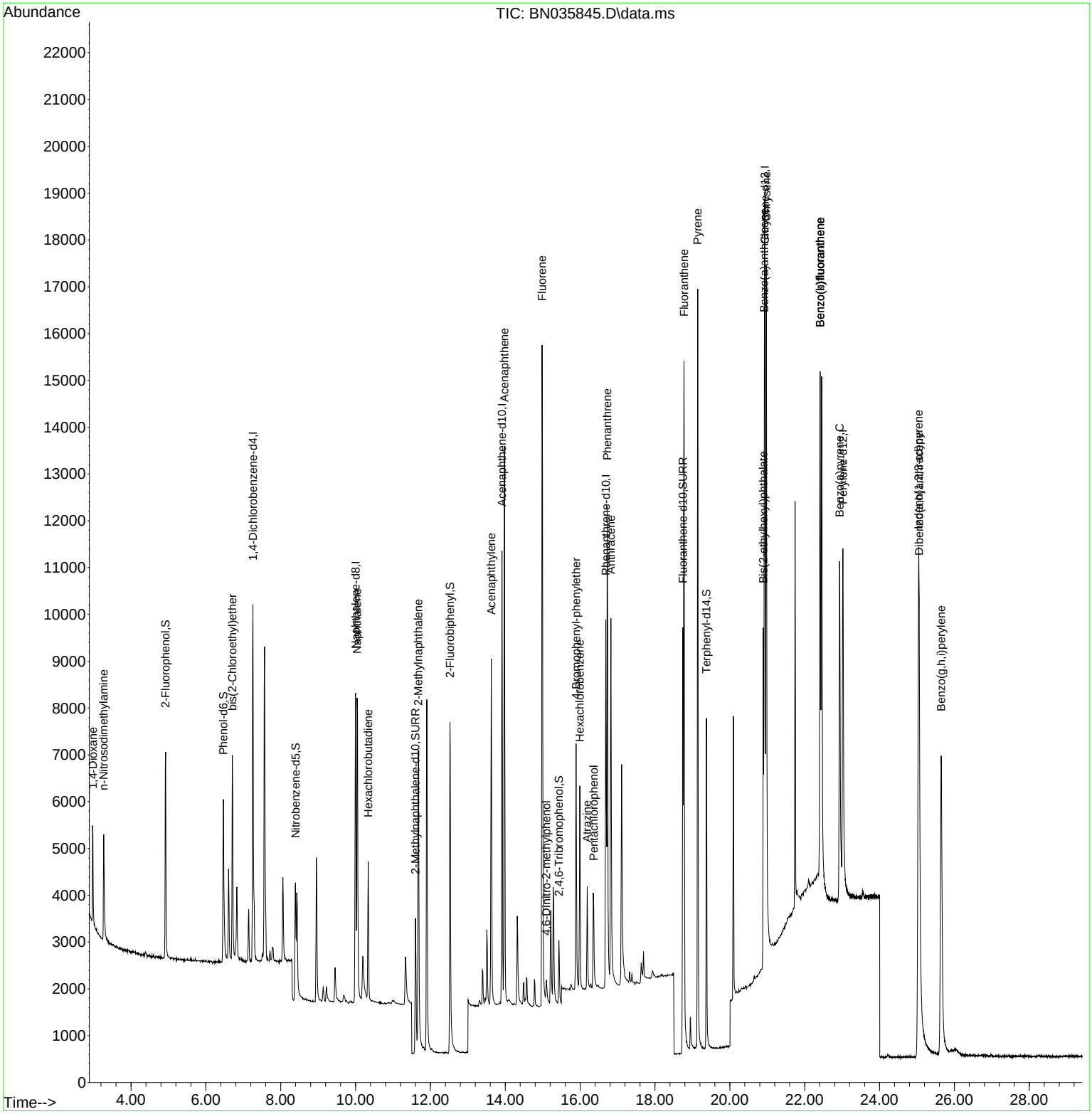
(#) = qualifier out of range (m) = manual integration (+) = signals summed

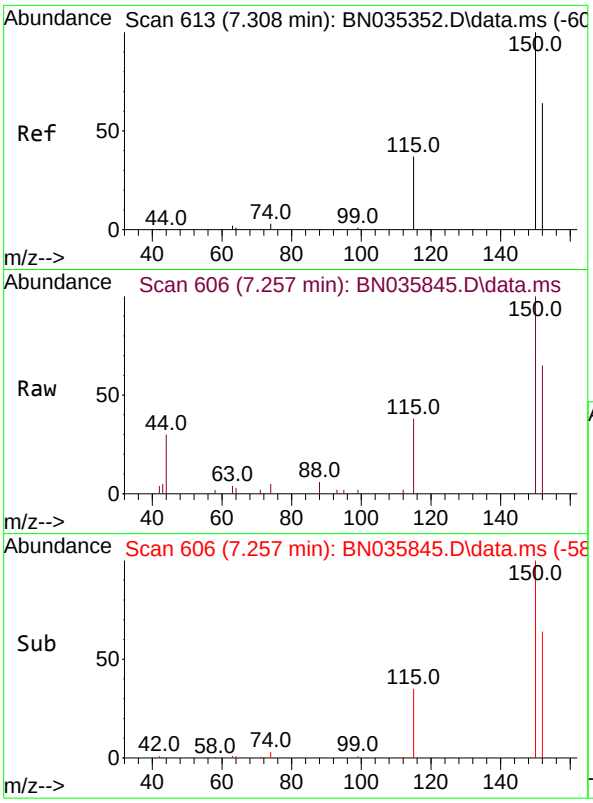
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122624\
Data File : BN035845.D
Acq On : 26 Dec 2024 09:58
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Dec 27 00:40:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration



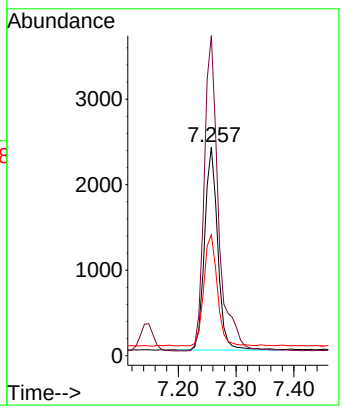


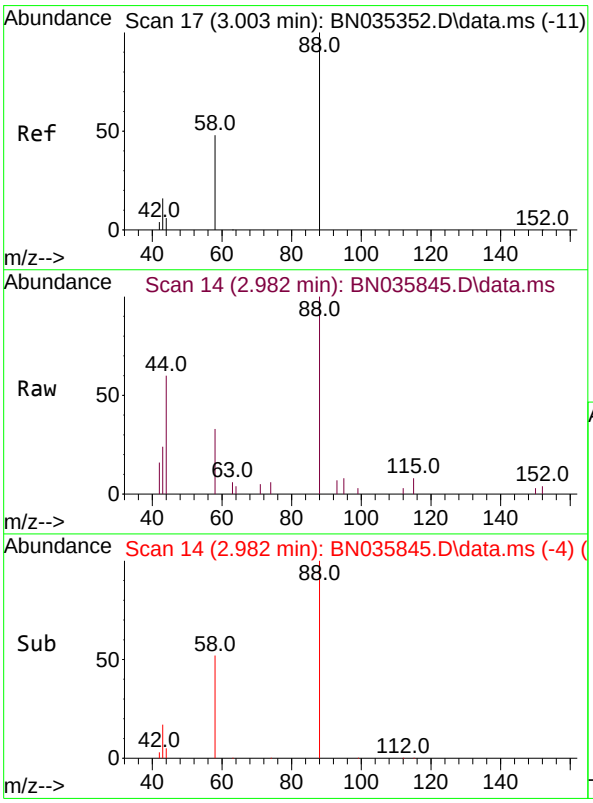
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.257 min Scan# 6
Delta R.T. -0.015 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 3755

Ion	Ratio	Lower	Upper
152	100		
150	153.5	124.0	186.0
115	58.0	49.6	74.4

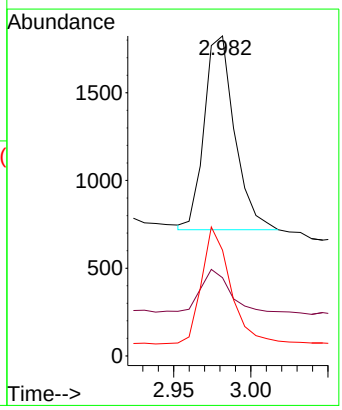


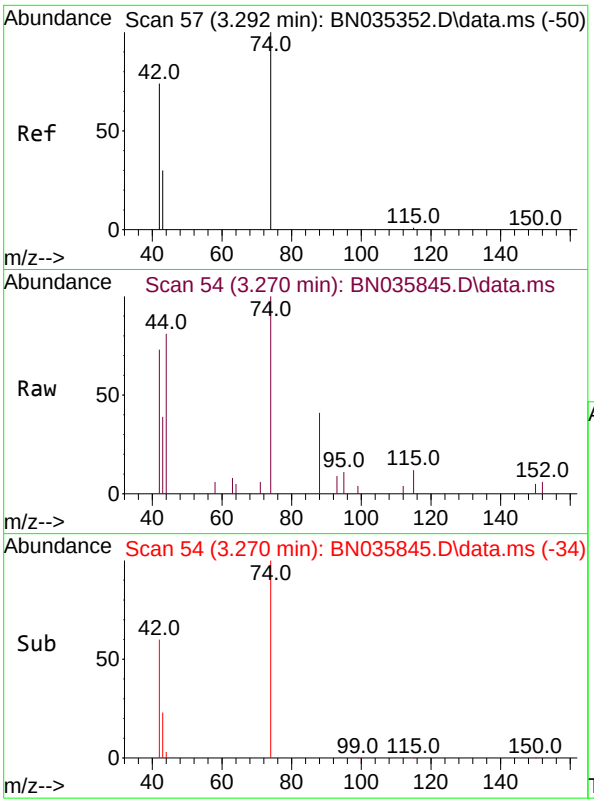


#2
1,4-Dioxane
Concen: 0.423 ng
RT: 2.982 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Tgt Ion: 88 Resp: 1520

Ion	Ratio	Lower	Upper
88	100		
43	19.9	17.2	25.8
58	57.5	44.5	66.7



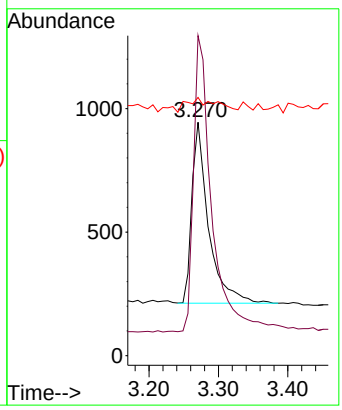


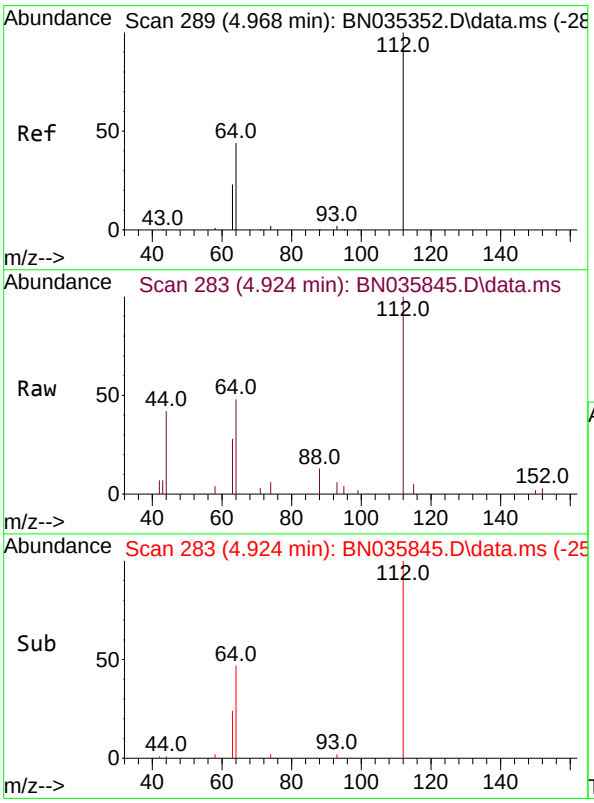
#3
n-Nitrosodimethylamine
Concen: 0.409 ng
RT: 3.270 min Scan# 54
Delta R.T. -0.007 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 1223

Ion	Ratio	Lower	Upper
42	100		
74	179.4	124.9	187.3
44	16.9	2.2	3.4#

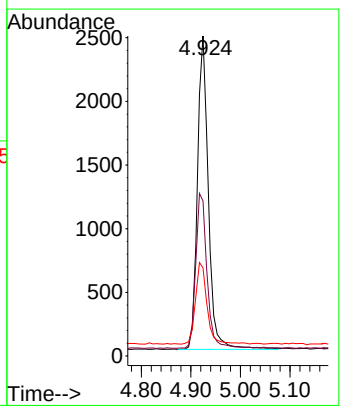


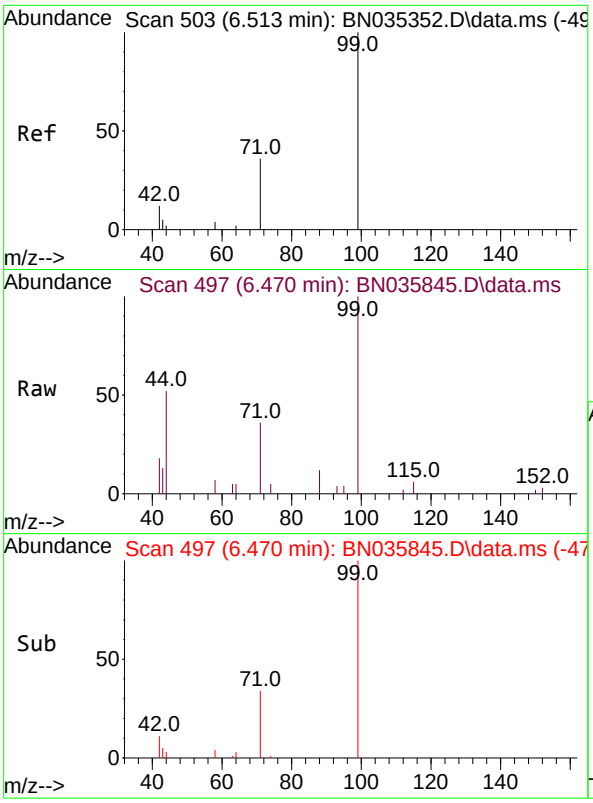


#4
2-Fluorophenol
Concen: 0.402 ng
RT: 4.924 min Scan# 283
Delta R.T. -0.015 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Tgt Ion:112 Resp: 3777

Ion	Ratio	Lower	Upper
112	100		
64	51.0	39.8	59.8
63	27.5	21.0	31.6



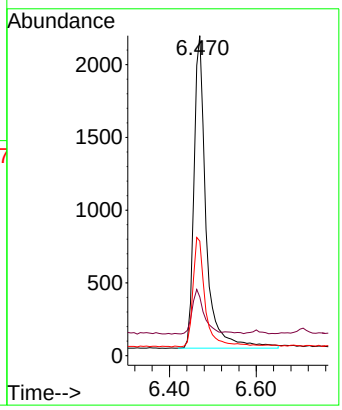


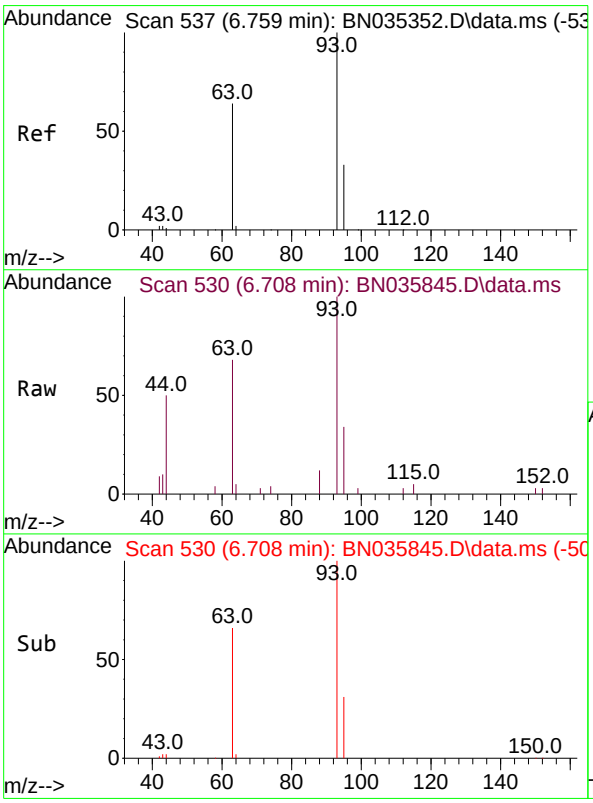
#5
Phenol-d6
Concen: 0.369 ng
RT: 6.470 min Scan# 4
Delta R.T. -0.022 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 4175

Ion	Ratio	Lower	Upper
99	100		
42	14.0	11.4	17.2
71	35.3	29.3	43.9

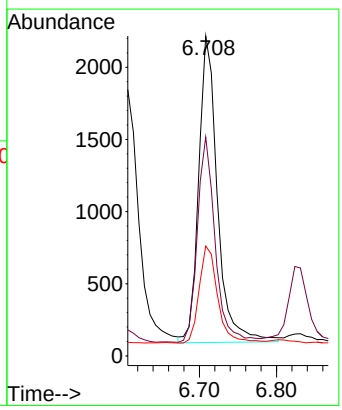


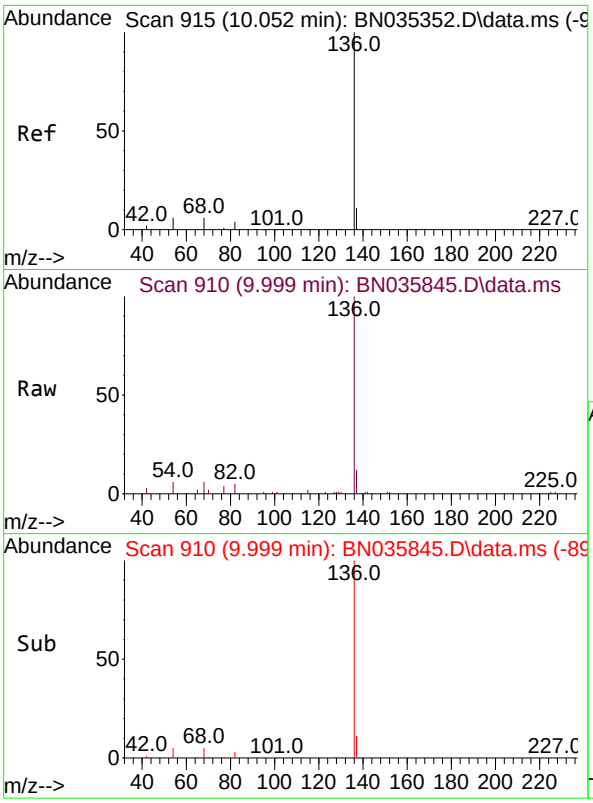


#6
bis(2-Chloroethyl)ether
Concen: 0.379 ng
RT: 6.708 min Scan# 530
Delta R.T. -0.022 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Tgt Ion: 93 Resp: 3599

Ion	Ratio	Lower	Upper
93	100		
63	63.3	50.4	75.6
95	31.3	25.7	38.5



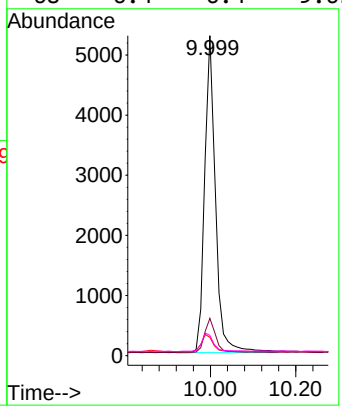


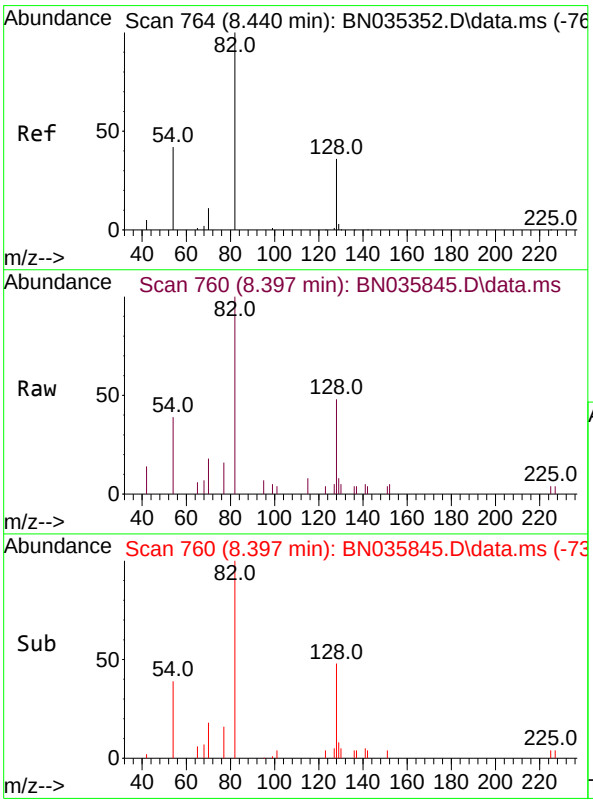
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 9.999 min Scan# 91
Delta R.T. -0.022 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 9322

Ion	Ratio	Lower	Upper
136	100		
137	11.6	10.2	15.2
54	5.8	6.1	9.1#
68	6.4	6.4	9.6#

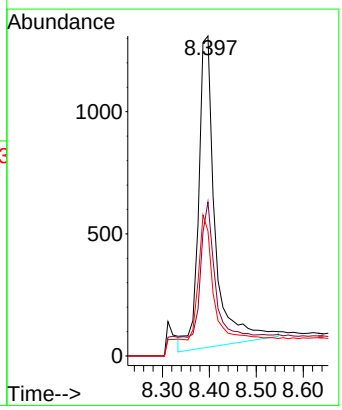


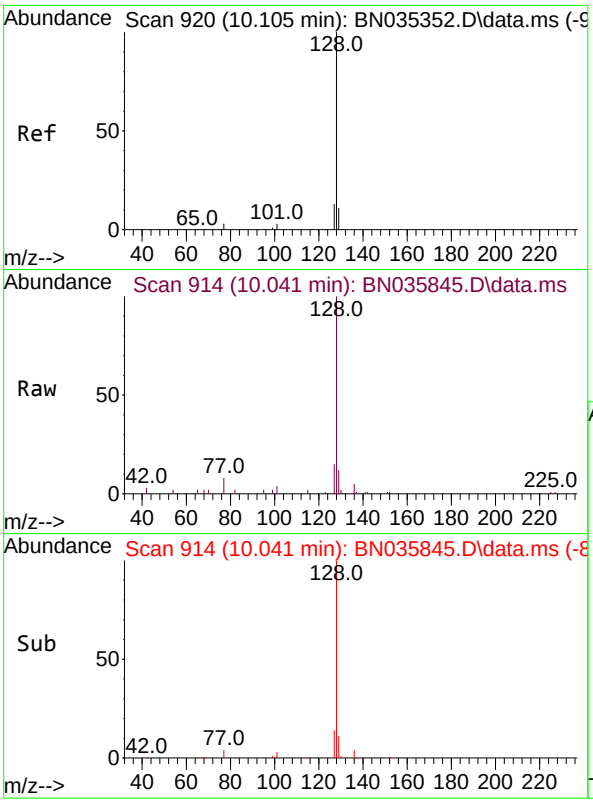


#8
Nitrobenzene-d5
Concen: 0.553 ng
RT: 8.397 min Scan# 760
Delta R.T. -0.011 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Tgt Ion: 82 Resp: 3148

Ion	Ratio	Lower	Upper
82	100		
128	48.1	33.4	50.0
54	39.1	36.7	55.1



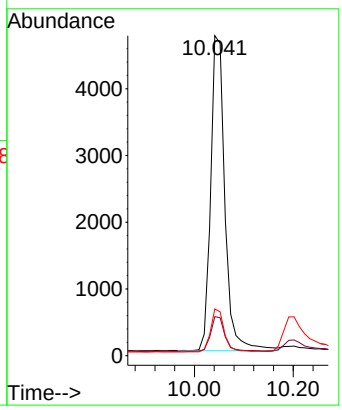


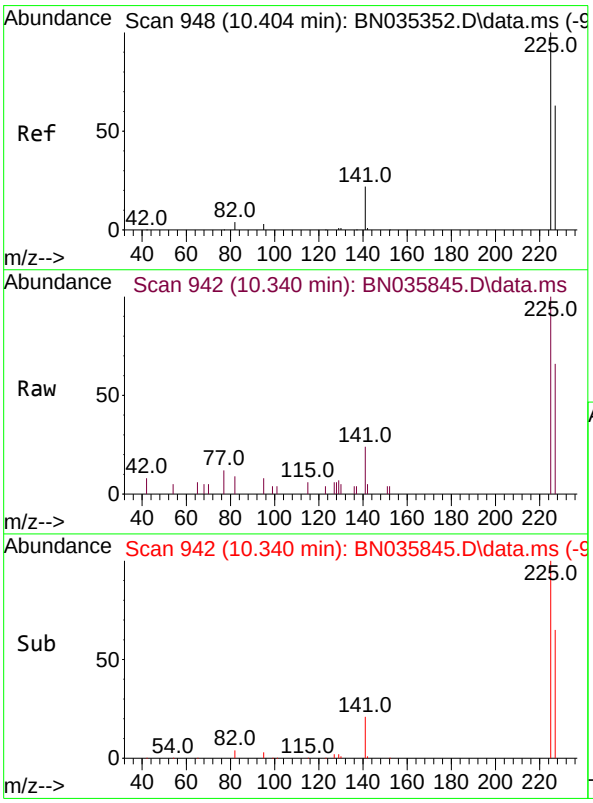
#9
Naphthalene
Concen: 0.384 ng
RT: 10.041 min Scan# 91
Delta R.T. -0.021 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 9440

Ion	Ratio	Lower	Upper
128	100		
129	12.2	9.8	14.6
127	14.6	11.4	17.2

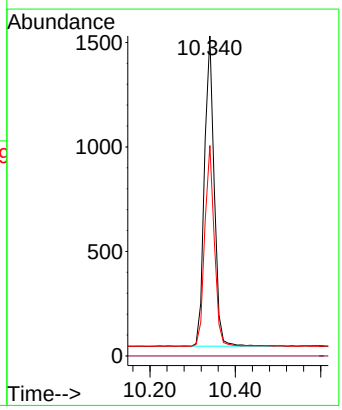


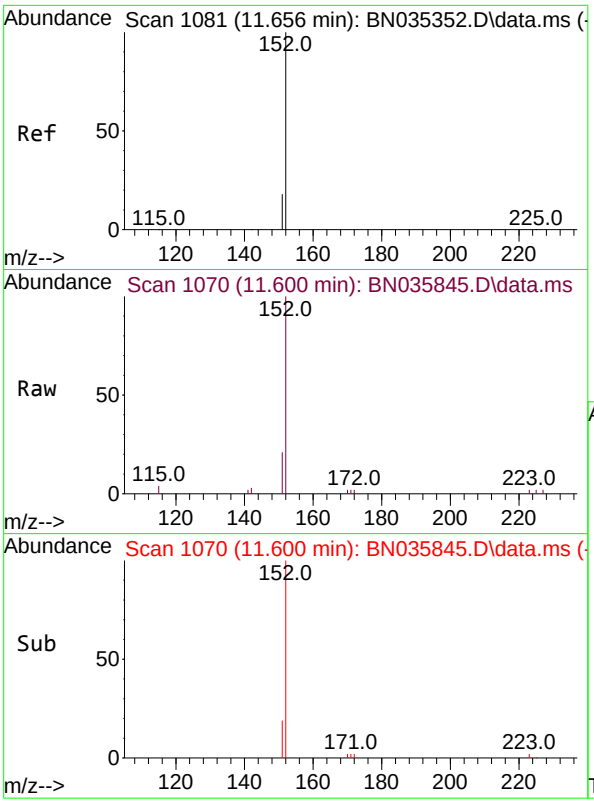


#10
Hexachlorobutadiene
Concen: 0.415 ng
RT: 10.340 min Scan# 942
Delta R.T. -0.021 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Tgt Ion:225 Resp: 2352

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.7	51.3	76.9



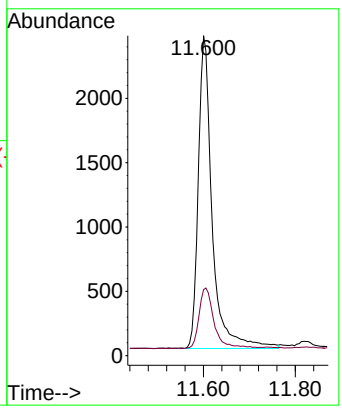


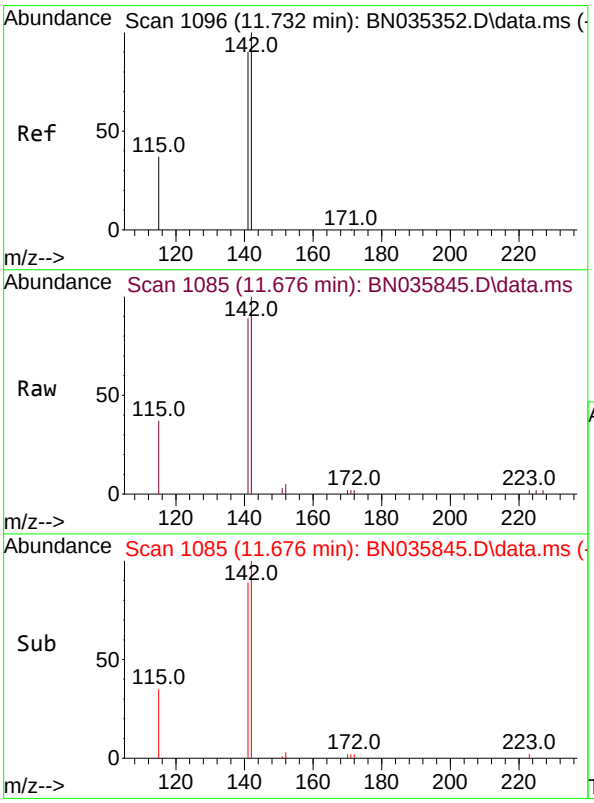
#11
2-Methylnaphthalene-d10
Concen: 0.348 ng
RT: 11.600 min Scan# 1
Delta R.T. -0.020 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 5080

Ion	Ratio	Lower	Upper
152	100		
151	21.0	16.6	25.0

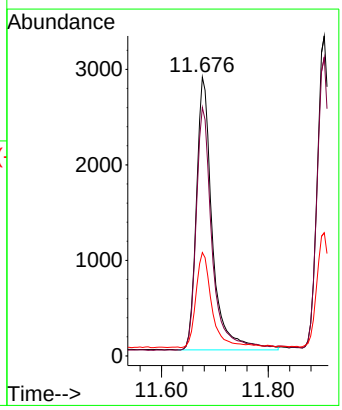


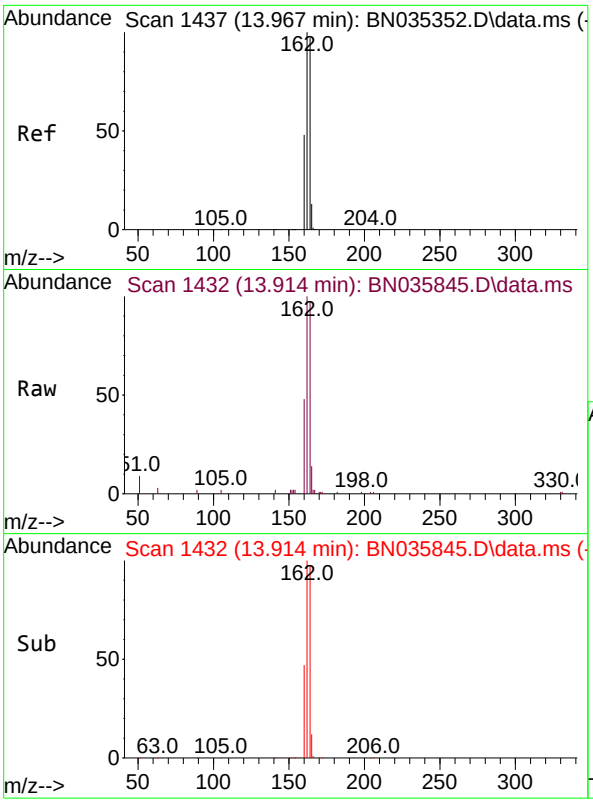


#12
2-Methylnaphthalene
Concen: 0.337 ng
RT: 11.676 min Scan# 1085
Delta R.T. -0.020 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Tgt Ion:142 Resp: 5939

Ion	Ratio	Lower	Upper
142	100		
141	89.1	72.2	108.4
115	37.1	31.4	47.0



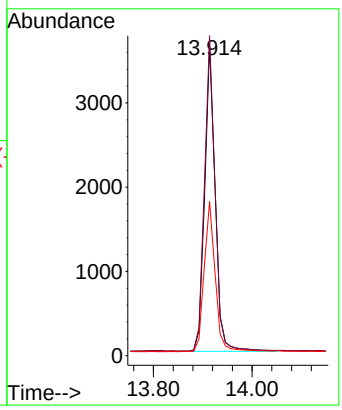


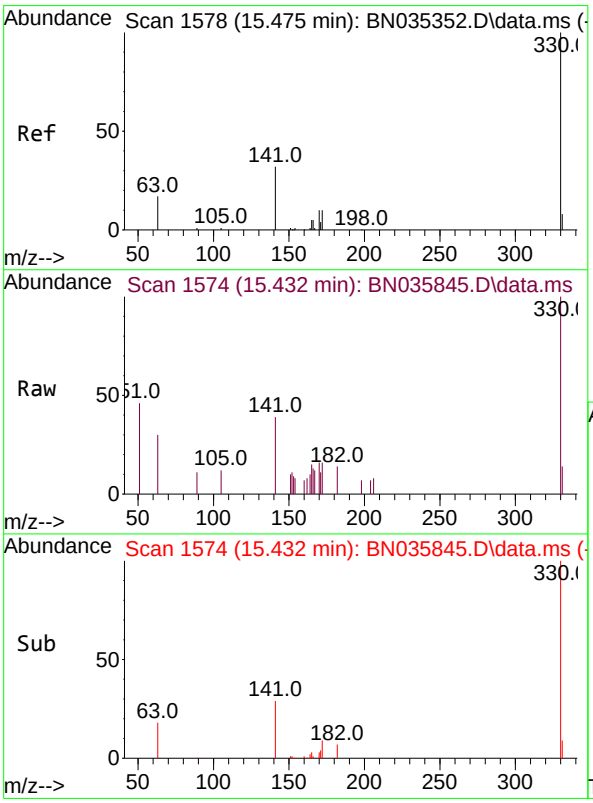
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.914 min Scan# 14
Delta R.T. -0.022 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 5387

Ion	Ratio	Lower	Upper
164	100		
162	103.2	82.2	123.2
160	49.7	40.1	60.1

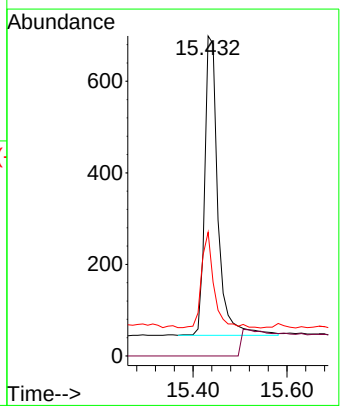


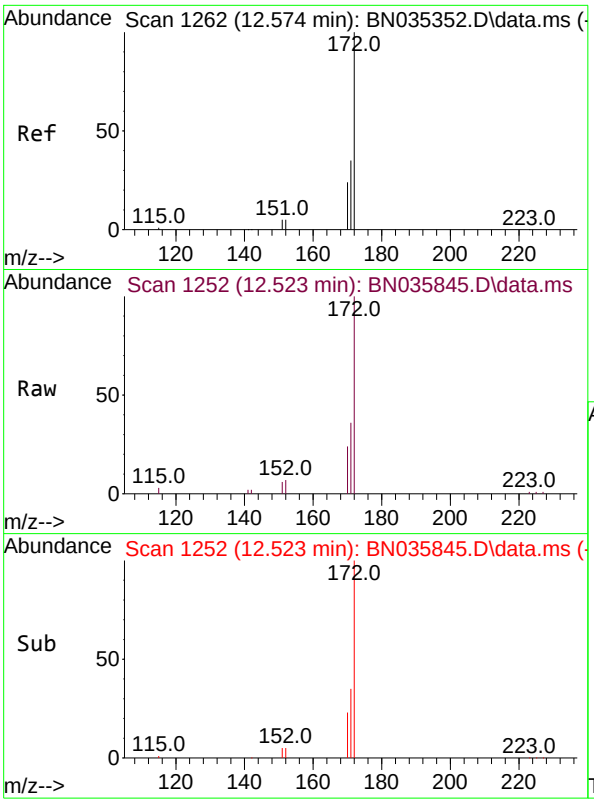


#14
2,4,6-Tribromophenol
Concen: 0.350 ng
RT: 15.432 min Scan# 1574
Delta R.T. -0.022 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Tgt Ion:330 Resp: 1338

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	29.7	26.6	40.0



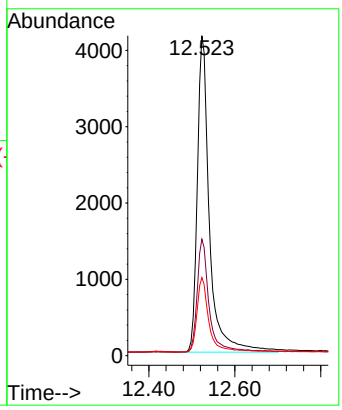


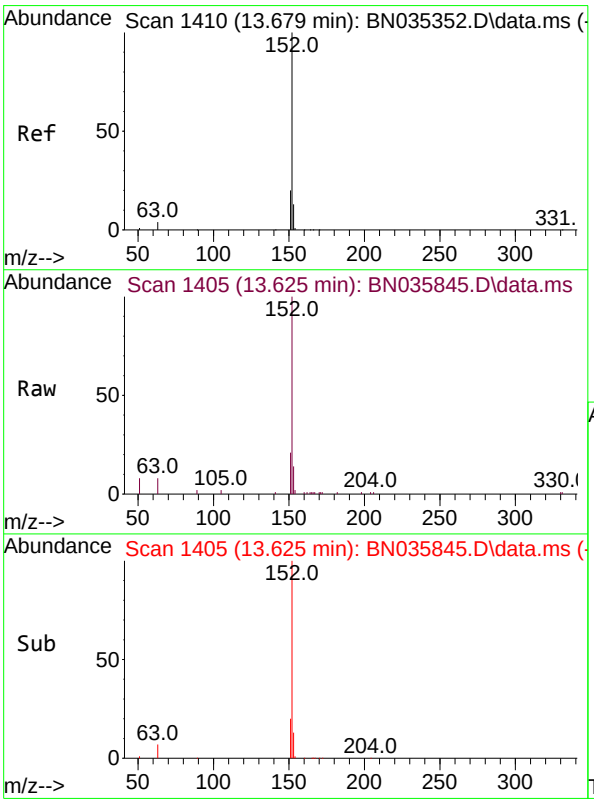
#15
2-Fluorobiphenyl
Concen: 0.398 ng
RT: 12.523 min Scan# 1
Delta R.T. -0.020 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 8104

Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.0	43.4
170	24.4	19.8	29.8

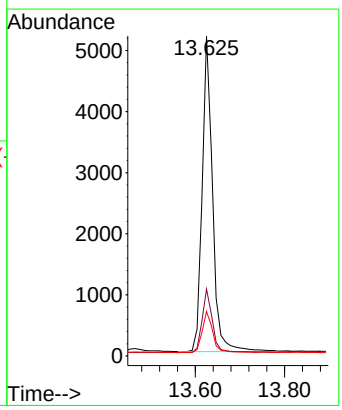


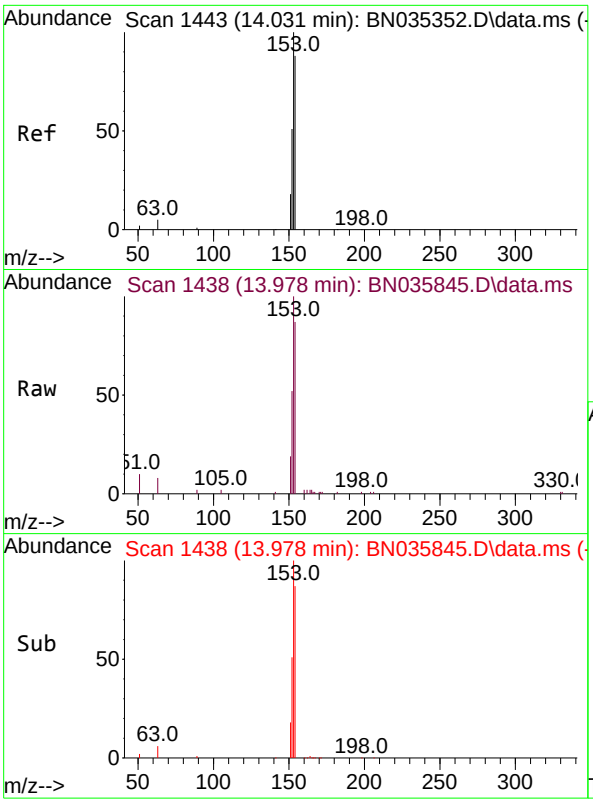


#16
Acenaphthylene
Concen: 0.369 ng
RT: 13.625 min Scan# 1405
Delta R.T. -0.022 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Tgt Ion:152 Resp: 8340

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.2	24.2
153	13.2	10.4	15.6



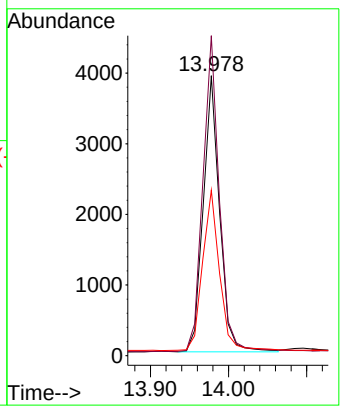


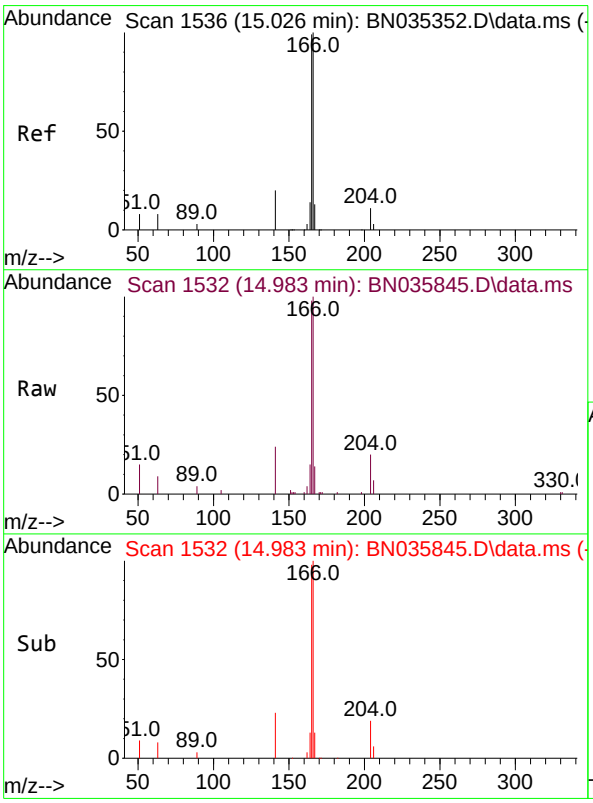
#17
Acenaphthene
Concen: 0.379 ng
RT: 13.978 min Scan# 14
Delta R.T. -0.022 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 5695

Ion	Ratio	Lower	Upper
154	100		
153	116.1	92.6	139.0
152	60.4	49.0	73.6

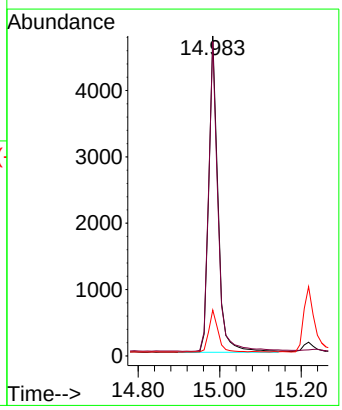


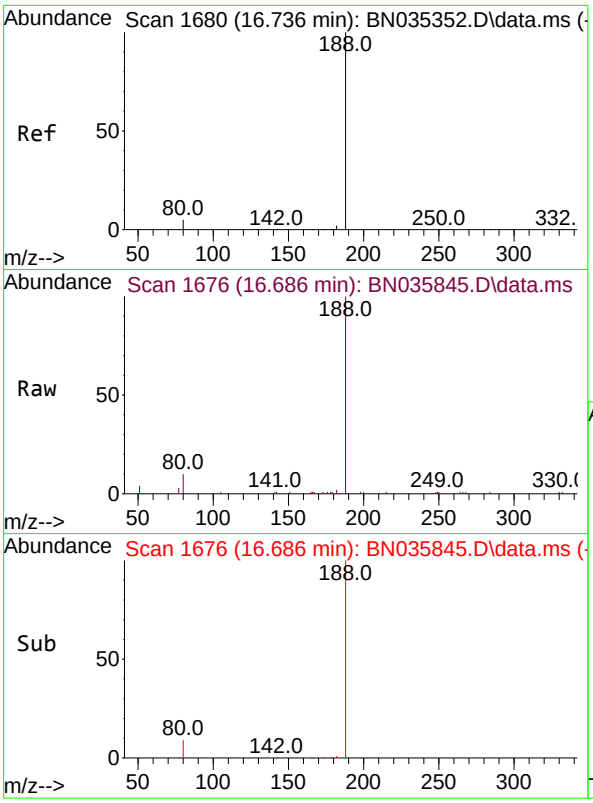


#18
Fluorene
Concen: 0.350 ng
RT: 14.983 min Scan# 1532
Delta R.T. -0.022 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Tgt Ion:166 Resp: 7523

Ion	Ratio	Lower	Upper
166	100		
165	98.0	79.7	119.5
167	13.4	10.8	16.2



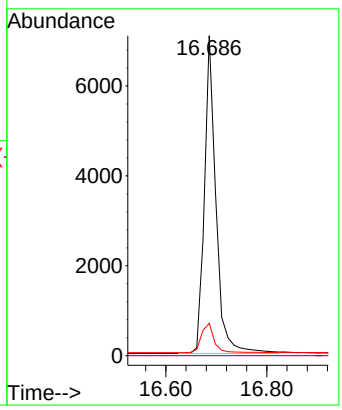


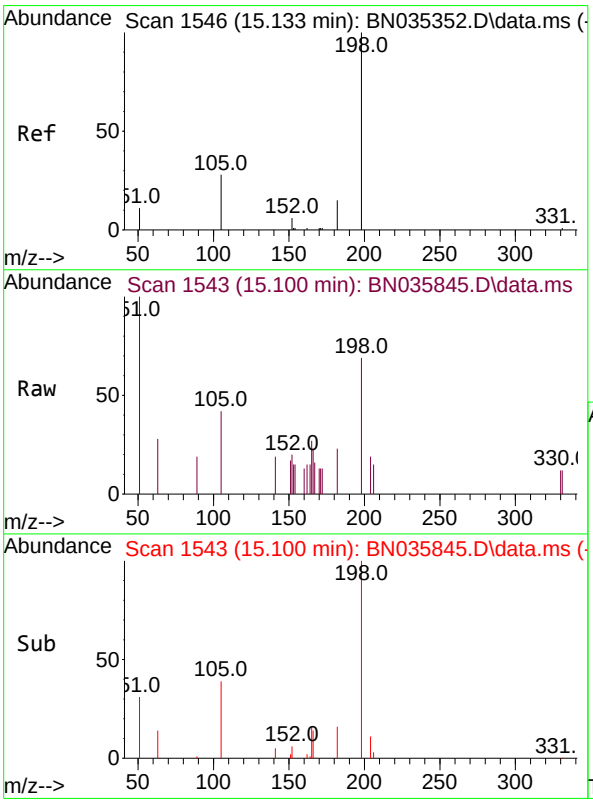
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.686 min Scan# 1(
Delta R.T. -0.013 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 11262

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.1	4.6	6.8#

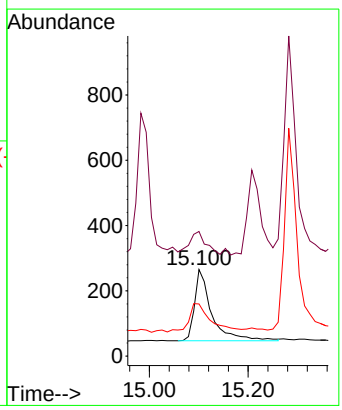


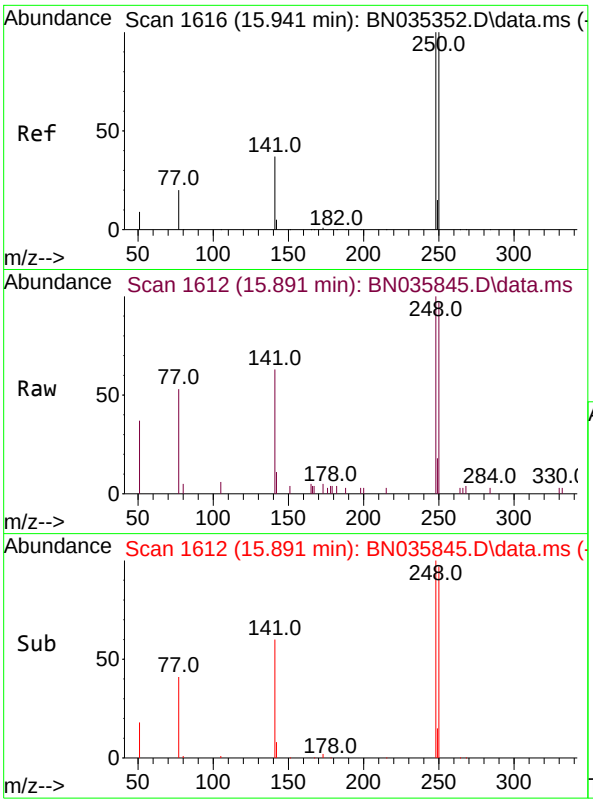


#20
4,6-Dinitro-2-methylphenol
Concen: 0.475 ng
RT: 15.100 min Scan# 1543
Delta R.T. -0.022 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Tgt Ion:198 Resp: 526

Ion	Ratio	Lower	Upper
198	100		
51	144.2	46.5	69.7#
105	60.4	45.3	67.9



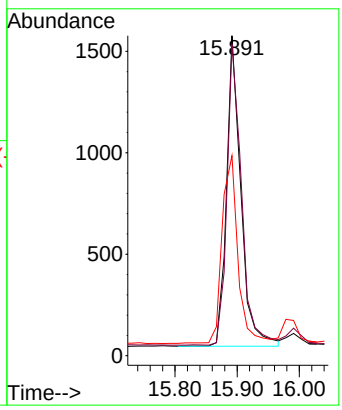


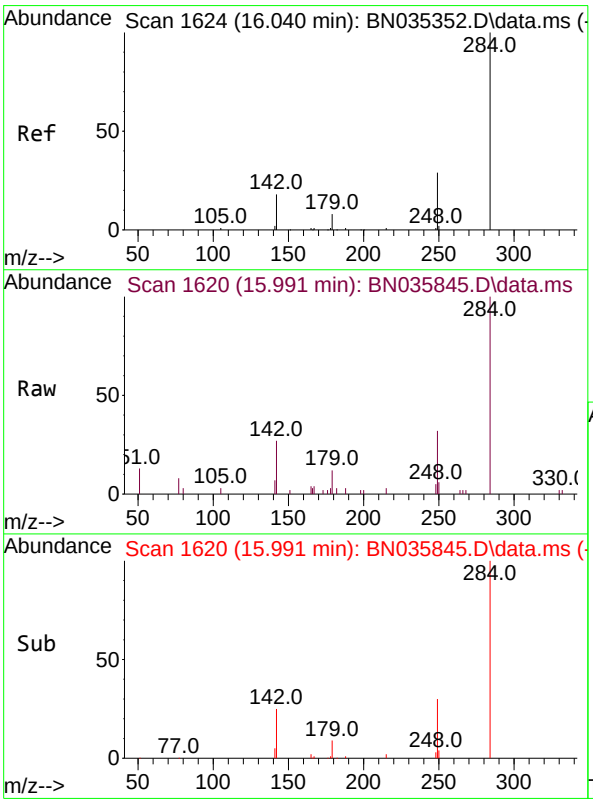
#21
4-Bromophenyl-phenylether
Concen: 0.371 ng
RT: 15.891 min Scan# 1
Delta R.T. -0.025 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:248 Resp: 2443

Ion	Ratio	Lower	Upper
248	100		
250	97.3	80.6	120.8
141	62.5	31.5	47.3#

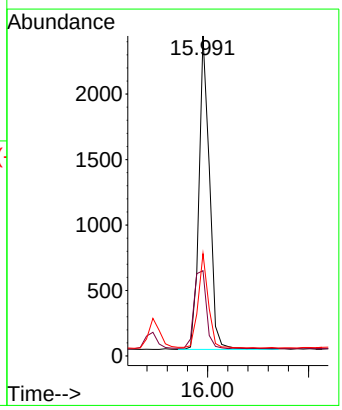


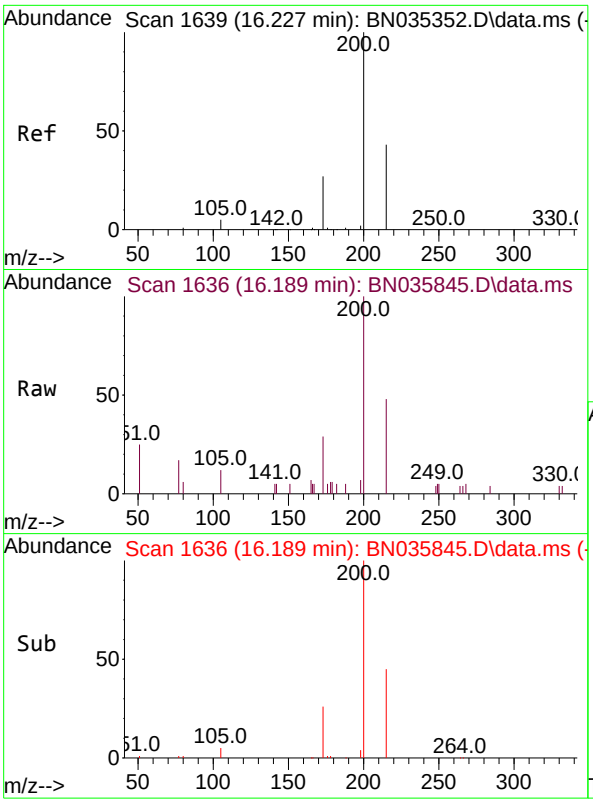


#22
Hexachlorobenzene
Concen: 0.450 ng
RT: 15.991 min Scan# 1620
Delta R.T. -0.025 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Tgt Ion:284 Resp: 3482

Ion	Ratio	Lower	Upper
284	100		
142	29.6	26.7	40.1
249	28.9	24.6	36.8



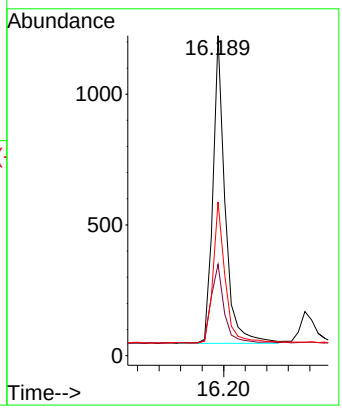


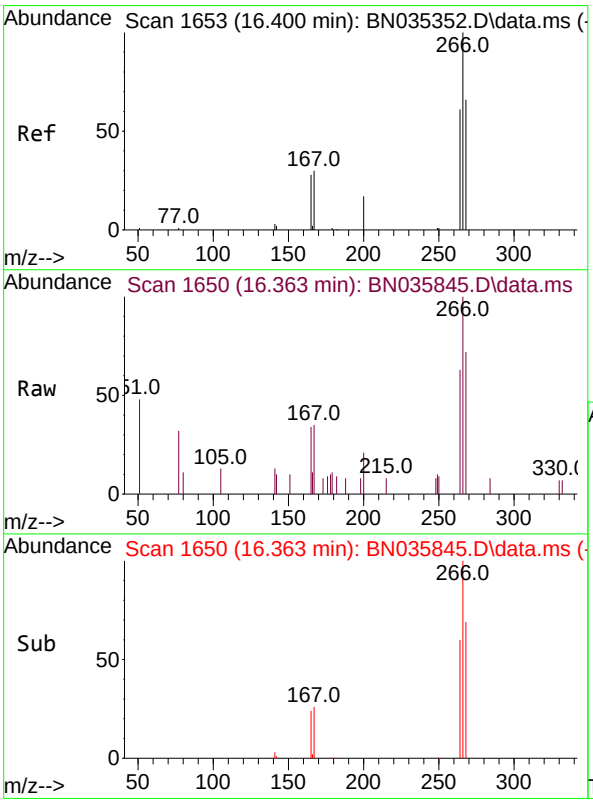
#23
Atrazine
Concen: 0.393 ng
RT: 16.189 min Scan# 1
Delta R.T. -0.013 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:200 Resp: 1843

Ion	Ratio	Lower	Upper
200	100		
173	28.5	24.1	36.1
215	48.0	36.9	55.3

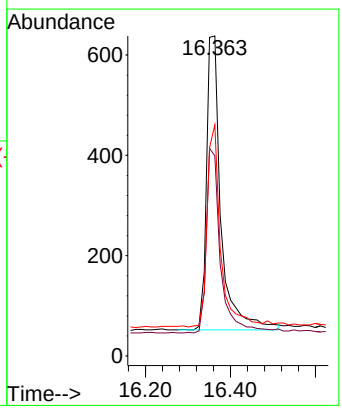


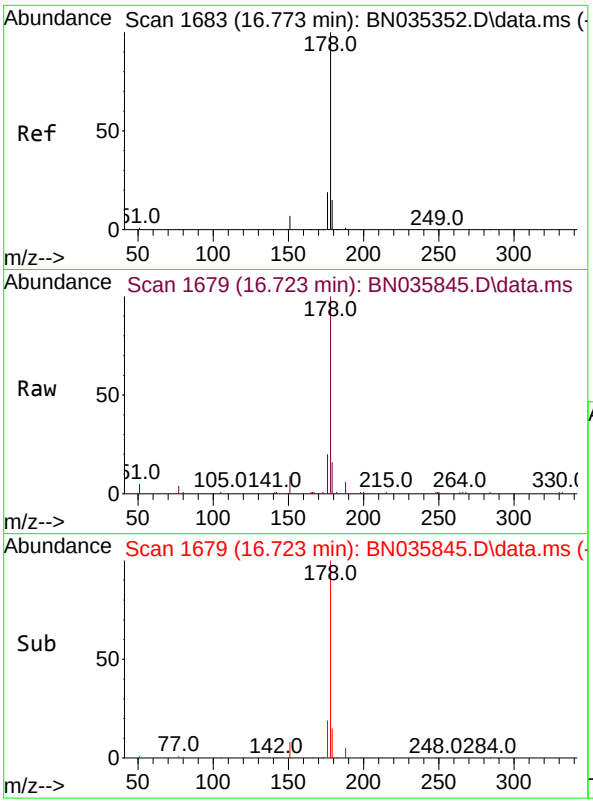


#24
Pentachlorophenol
Concen: 0.411 ng
RT: 16.363 min Scan# 1650
Delta R.T. -0.013 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Tgt Ion:266 Resp: 1383

Ion	Ratio	Lower	Upper
266	100		
264	61.3	42.3	63.5
268	63.8	43.3	64.9



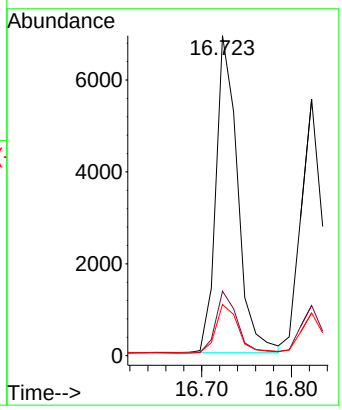


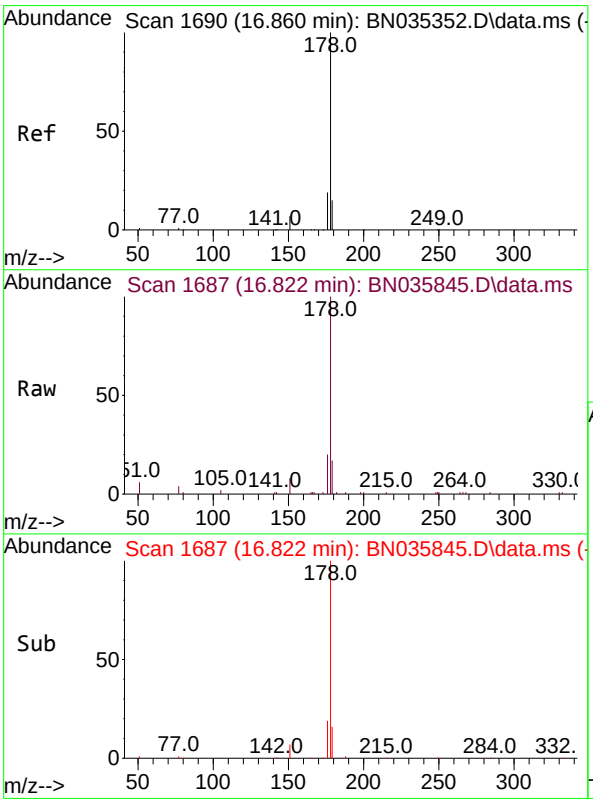
#25
Phenanthrene
Concen: 0.375 ng
RT: 16.723 min Scan# 1
Delta R.T. -0.025 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 11602

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	15.7	12.3	18.5

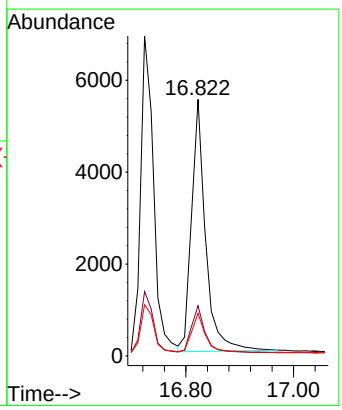


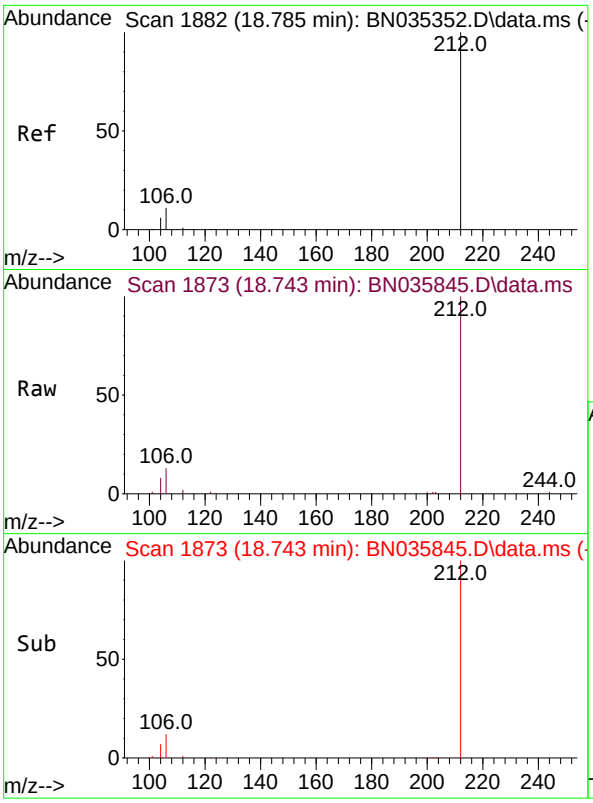


#26
Anthracene
Concen: 0.358 ng
RT: 16.822 min Scan# 1687
Delta R.T. -0.013 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Tgt Ion:178 Resp: 10005

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.6
179	15.3	12.6	18.8



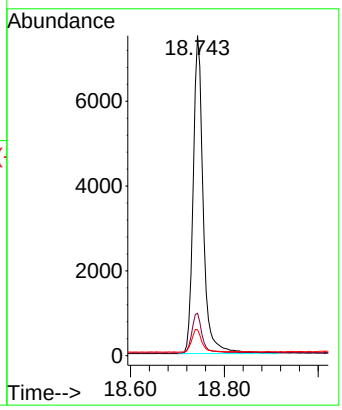


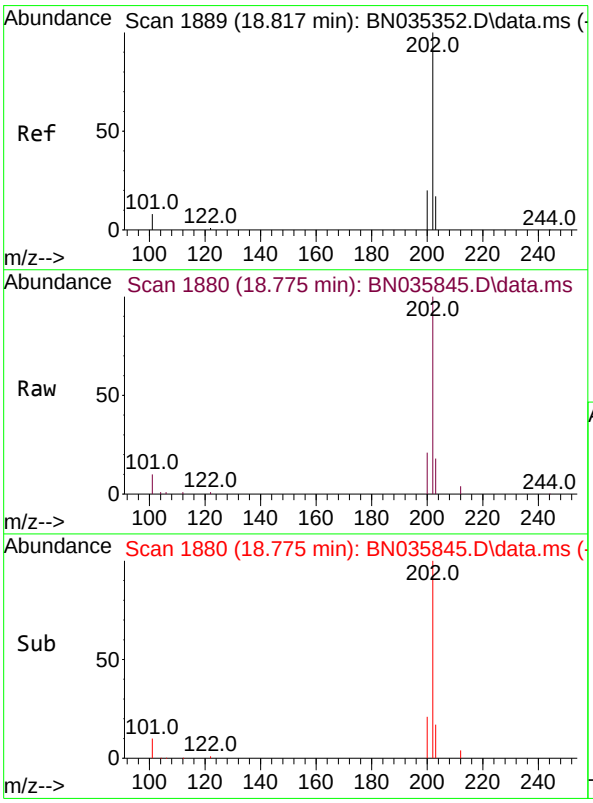
#27
Fluoranthene-d10
Concen: 0.350 ng
RT: 18.743 min Scan# 1
Delta R.T. -0.019 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 11161

Ion	Ratio	Lower	Upper
212	100		
106	12.7	9.2	13.8
104	7.4	5.3	7.9

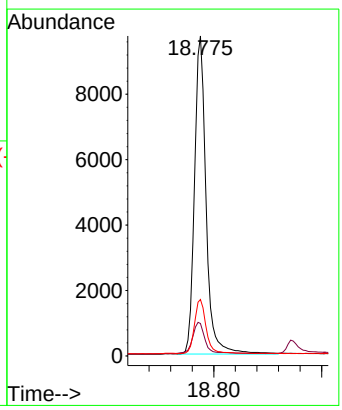


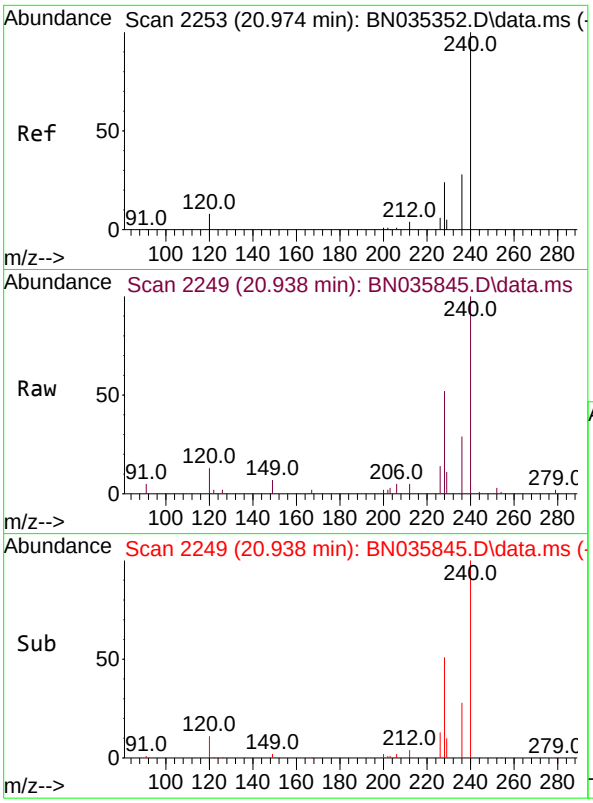


#28
Fluoranthene
Concen: 0.347 ng
RT: 18.775 min Scan# 1880
Delta R.T. -0.014 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Tgt Ion:202 Resp: 14489

Ion	Ratio	Lower	Upper
202	100		
101	10.7	7.4	11.0
203	17.0	13.7	20.5



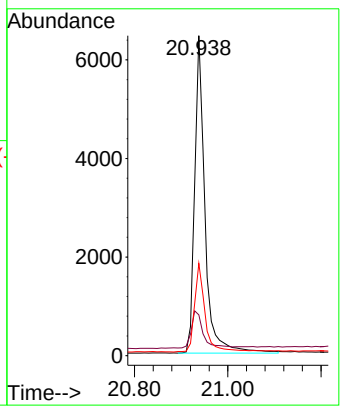


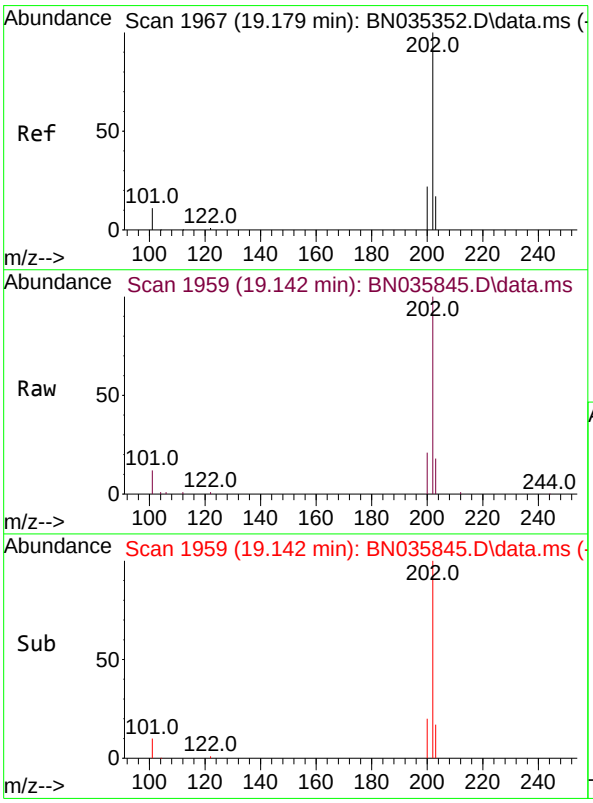
#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.938 min Scan# 2
Delta R.T. -0.018 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 9932

Ion	Ratio	Lower	Upper
240	100		
120	12.7	7.9	11.9#
236	28.9	22.9	34.3

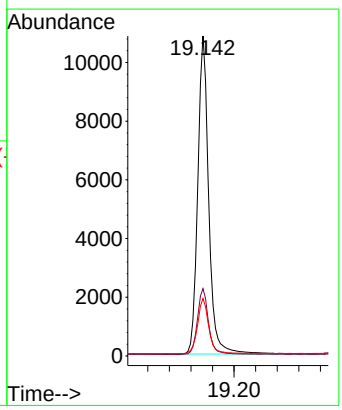


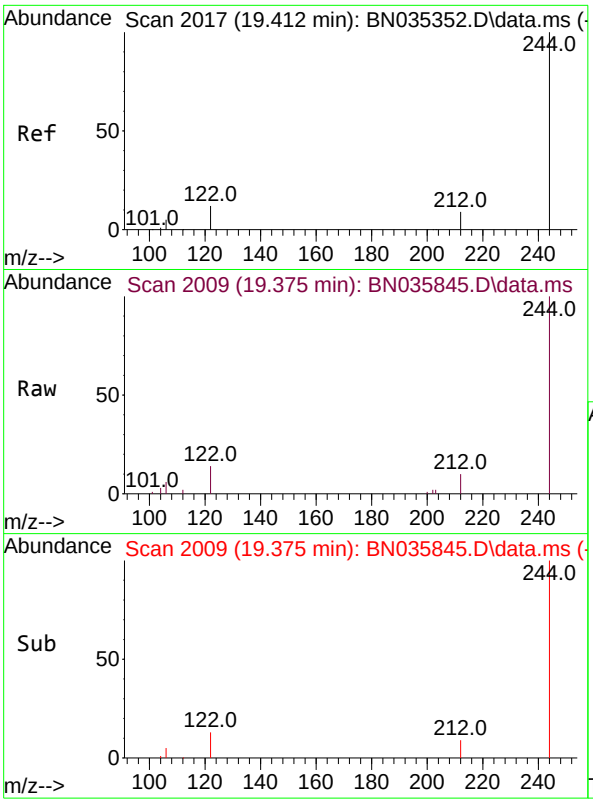


#30
Pyrene
Concen: 0.417 ng
RT: 19.142 min Scan# 1959
Delta R.T. -0.019 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Tgt Ion:202 Resp: 15278

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.0	25.4
203	17.9	14.3	21.5



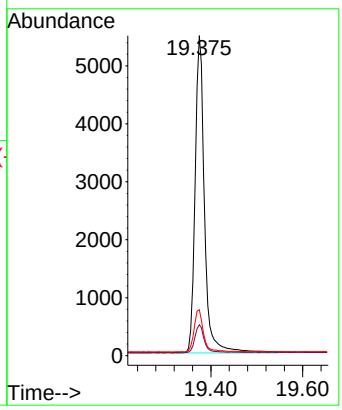


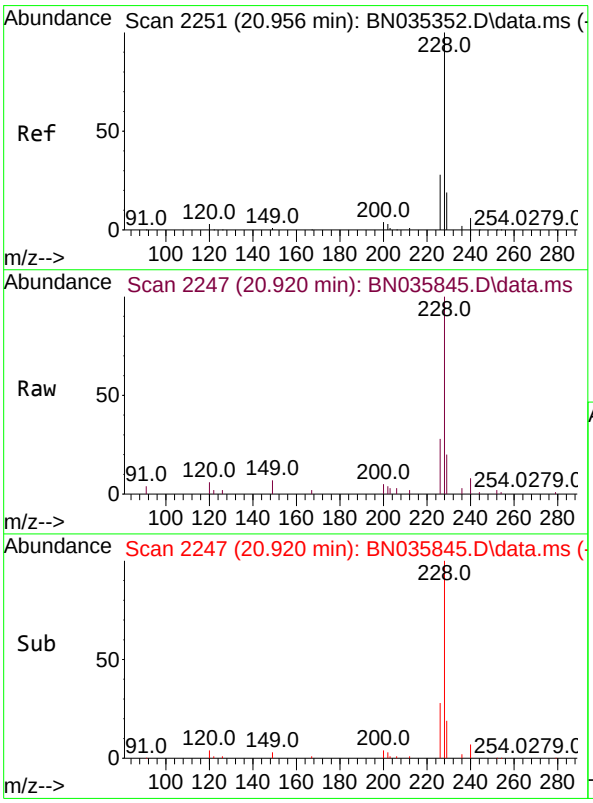
#31
Terphenyl-d14
Concen: 0.397 ng
RT: 19.375 min Scan# 2
Delta R.T. -0.014 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 7783

Ion	Ratio	Lower	Upper
244	100		
212	9.7	8.1	12.1
122	14.4	10.3	15.5

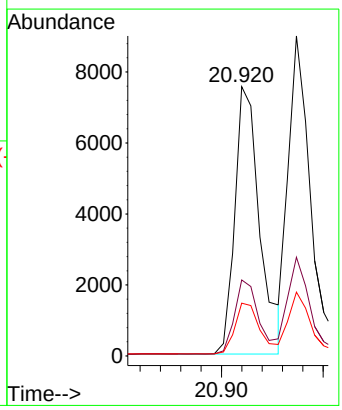


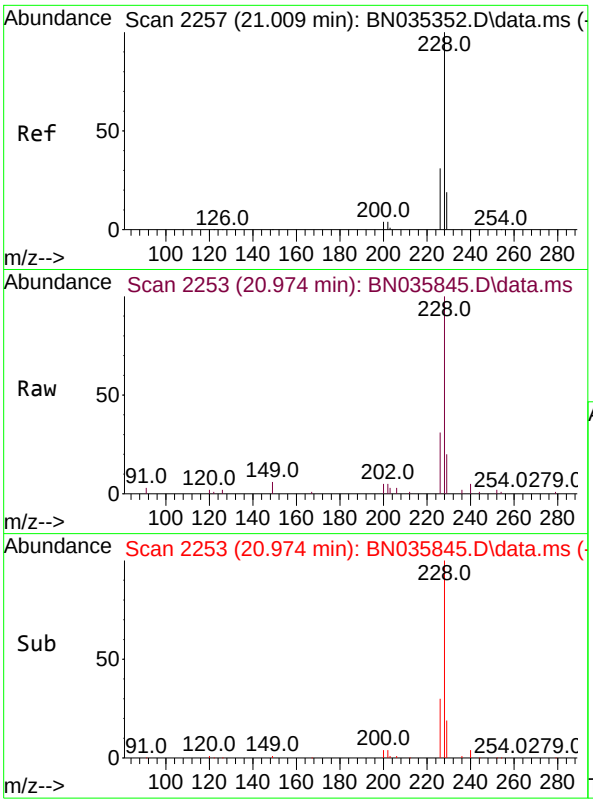


#32
Benzo(a)anthracene
Concen: 0.368 ng
RT: 20.920 min Scan# 2247
Delta R.T. -0.018 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Tgt Ion:228 Resp: 12798

Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.5	33.7
229	19.6	15.8	23.8



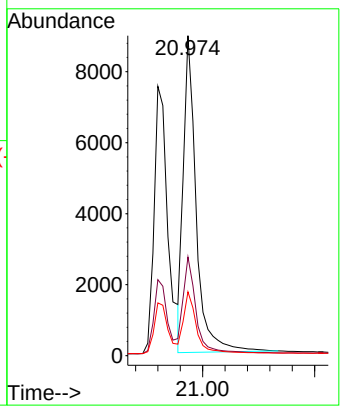


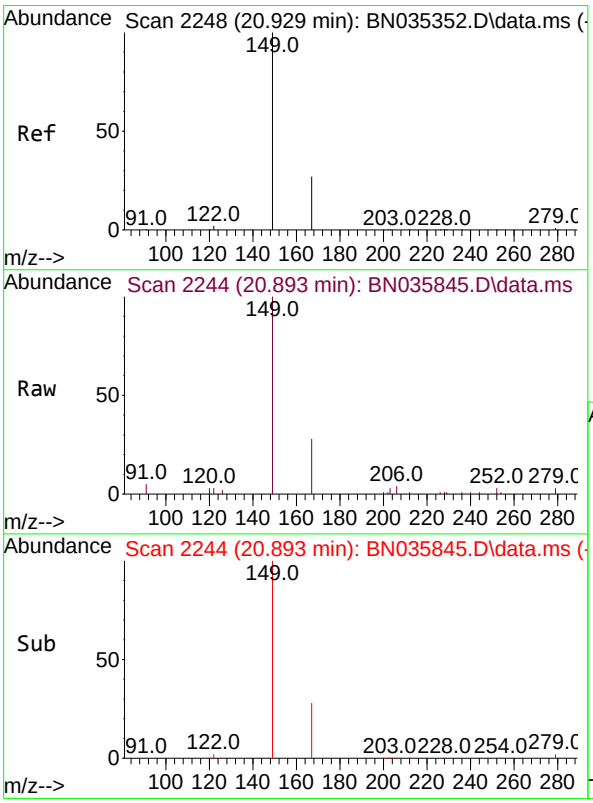
#33
Chrysene
Concen: 0.397 ng
RT: 20.974 min Scan# 2
Delta R.T. -0.018 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 14214

Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.6	37.0
229	20.0	15.9	23.9

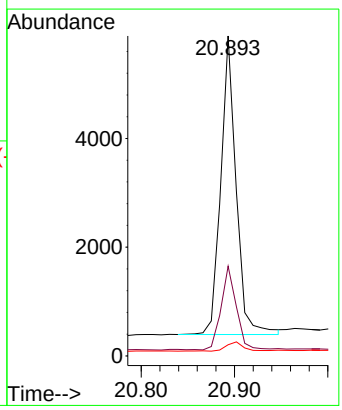


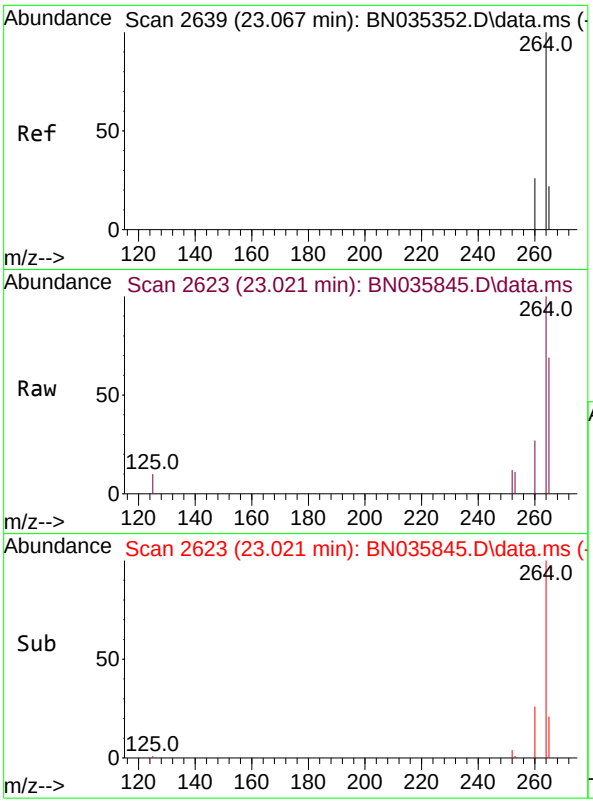


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.458 ng
RT: 20.893 min Scan# 2244
Delta R.T. -0.018 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Tgt Ion:149 Resp: 6282

Ion	Ratio	Lower	Upper
149	100		
167	27.6	22.2	33.4
279	3.4	2.7	4.1



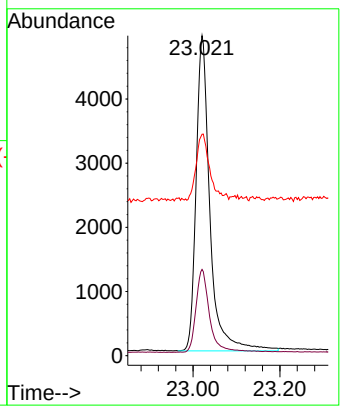


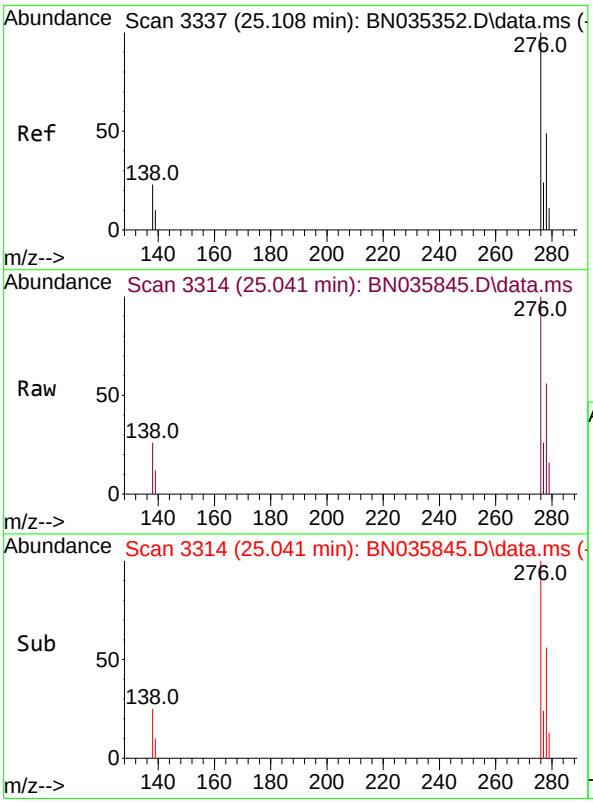
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.021 min Scan# 2
Delta R.T. -0.021 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:264 Resp: 10817

Ion	Ratio	Lower	Upper
264	100		
260	27.0	21.4	32.2
265	69.2	40.2	60.4#

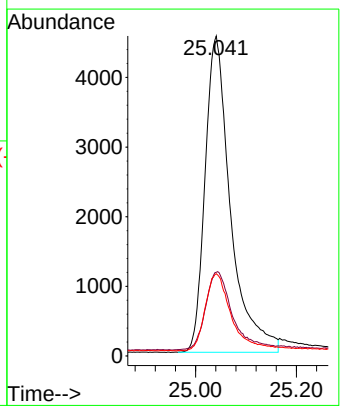


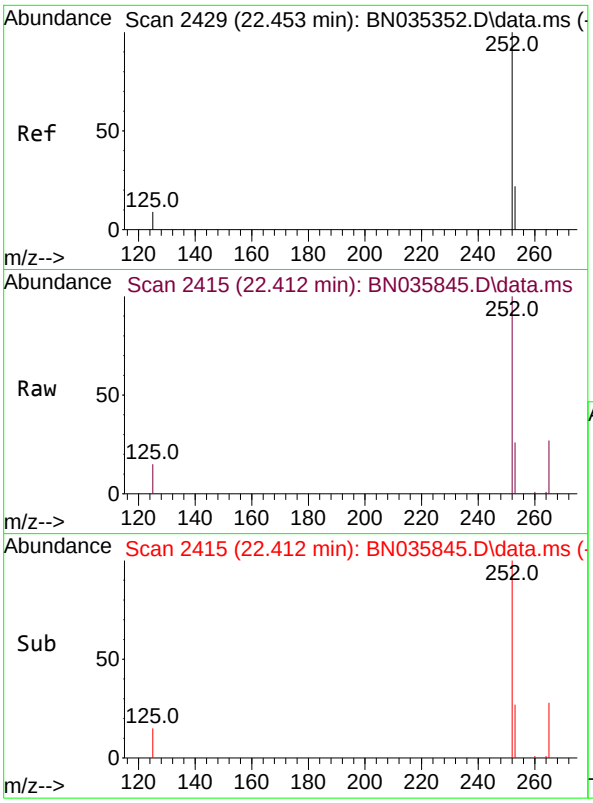


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.377 ng
RT: 25.041 min Scan# 3314
Delta R.T. -0.026 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Tgt Ion:276 Resp: 15946

Ion	Ratio	Lower	Upper
276	100		
138	26.4	19.4	29.0
277	25.7	19.8	29.6



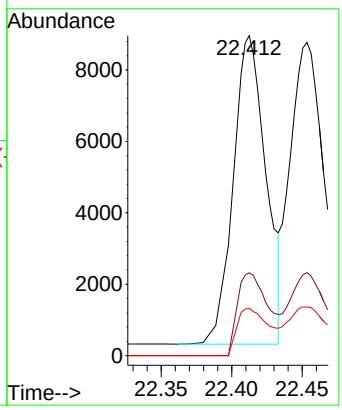


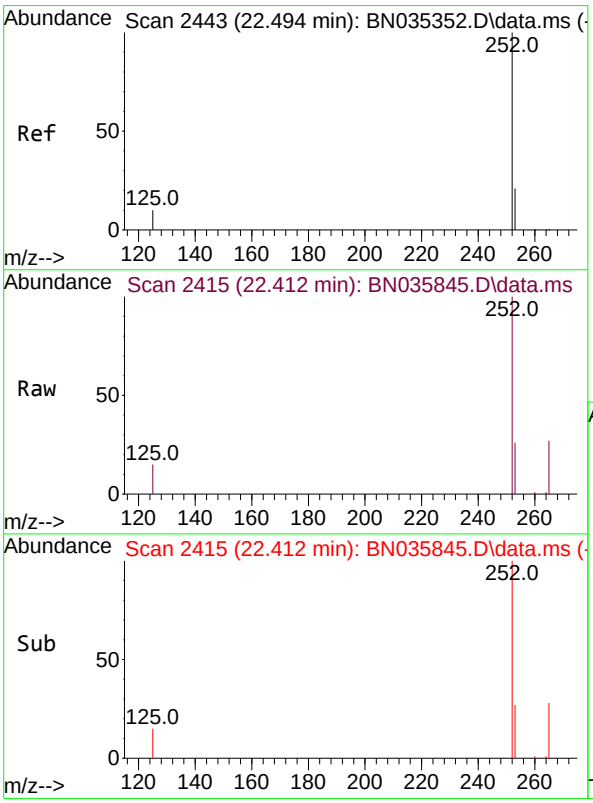
#37
Benzo(b)fluoranthene
Concen: 0.494 ng
RT: 22.412 min Scan# 24
Delta R.T. -0.018 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 19565

Ion	Ratio	Lower	Upper
252	100		
253	25.9	19.6	29.4
125	14.9	9.6	14.4#

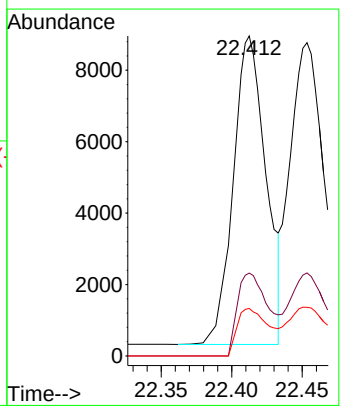


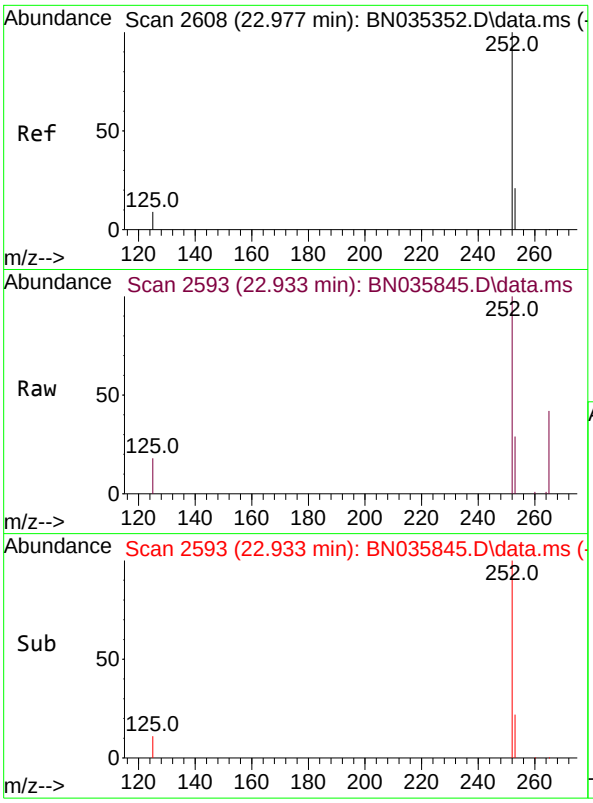


#38
Benzo(k)fluoranthene
Concen: 0.502 ng
RT: 22.412 min Scan# 2415
Delta R.T. -0.059 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Tgt Ion:252 Resp: 19565

Ion	Ratio	Lower	Upper
252	100		
253	25.9	19.5	29.3
125	14.9	10.2	15.4



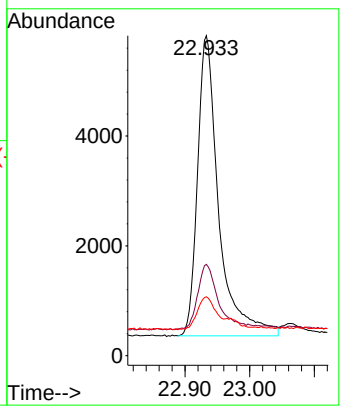


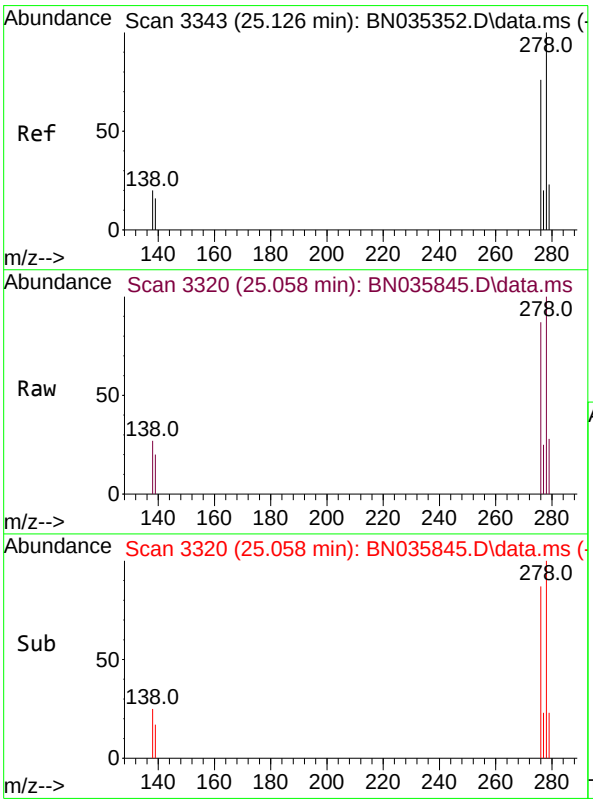
#39
Benzo(a)pyrene
Concen: 0.382 ng
RT: 22.933 min Scan# 2
Delta R.T. -0.018 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 12458

Ion	Ratio	Lower	Upper
252	100		
253	28.6	20.2	30.4
125	18.4	10.9	16.3#

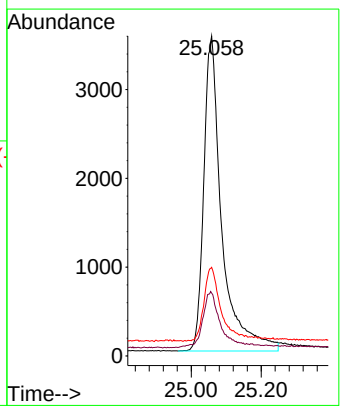


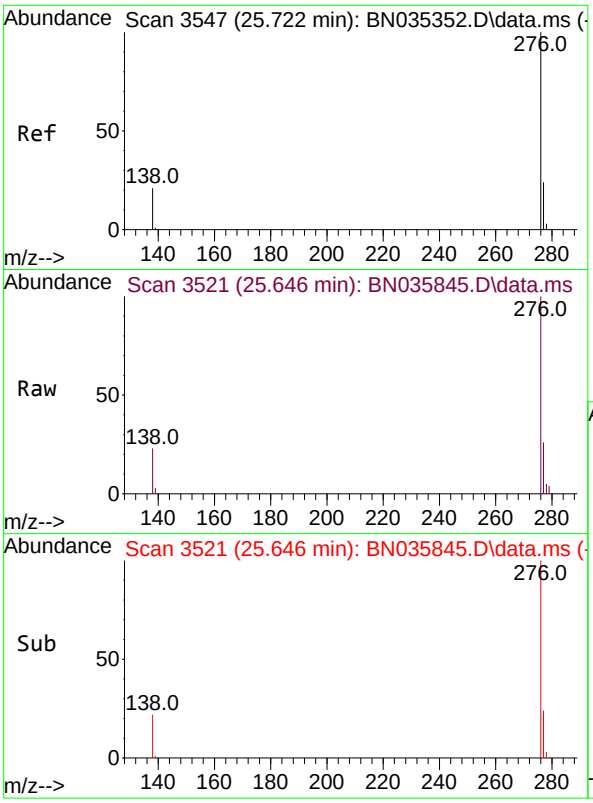


#40
Dibenzo(a,h)anthracene
Concen: 0.380 ng
RT: 25.058 min Scan# 3320
Delta R.T. -0.024 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Tgt Ion:278 Resp: 12678

Ion	Ratio	Lower	Upper
278	100		
139	19.7	14.2	21.4
279	27.7	20.5	30.7



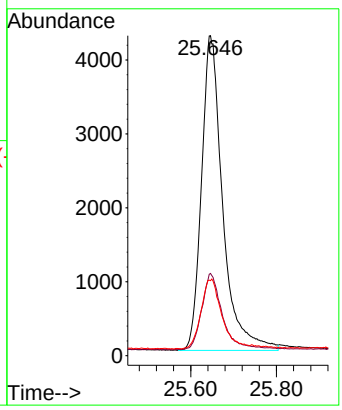


#41
Benzo(g,h,i)perylene
Concen: 0.419 ng
RT: 25.646 min Scan# 3
Delta R.T. -0.032 min
Lab File: BN035845.D
Acq: 26 Dec 2024 09:58

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 14614

Ion	Ratio	Lower	Upper
276	100		
277	25.7	19.9	29.9
138	23.5	17.8	26.8



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122624\
Data File : BN035860.D
Acq On : 26 Dec 2024 19:05
Operator : RC/JU
Sample : P5261-19DL 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE120D3-20241210DL

Quant Time: Dec 27 00:42:29 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.257	152	2551	0.400	ng	-0.01
7) Naphthalene-d8	10.009	136	5621	0.400	ng	-0.01
13) Acenaphthene-d10	13.925	164	3825	0.400	ng	-0.01
19) Phenanthrene-d10	16.698	188	8370	0.400	ng	# 0.00
29) Chrysene-d12	20.947	240	5883	0.400	ng	# 0.00
35) Perylene-d12	23.029	264	5421	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	4.924	112	195	0.031	ng	-0.01
5) Phenol-d6	6.484	99	140	0.018	ng	0.00
8) Nitrobenzene-d5	8.429	82	560	0.163	ng	0.02
11) 2-Methylnaphthalene-d10	11.641	152	788	0.090	ng	0.02
14) 2,4,6-Tribromophenol	15.453	330	141	0.052	ng	0.00
15) 2-Fluorobiphenyl	12.559	172	1296	0.090	ng	0.02
27) Fluoranthene-d10	18.757	212	2340	0.099	ng	0.00
31) Terphenyl-d14	19.379	244	1628	0.140	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.974	88	5467	2.242	ng	99
34) Bis(2-ethylhexyl)phtha...	20.893	149	277	0.034	ng	# 94

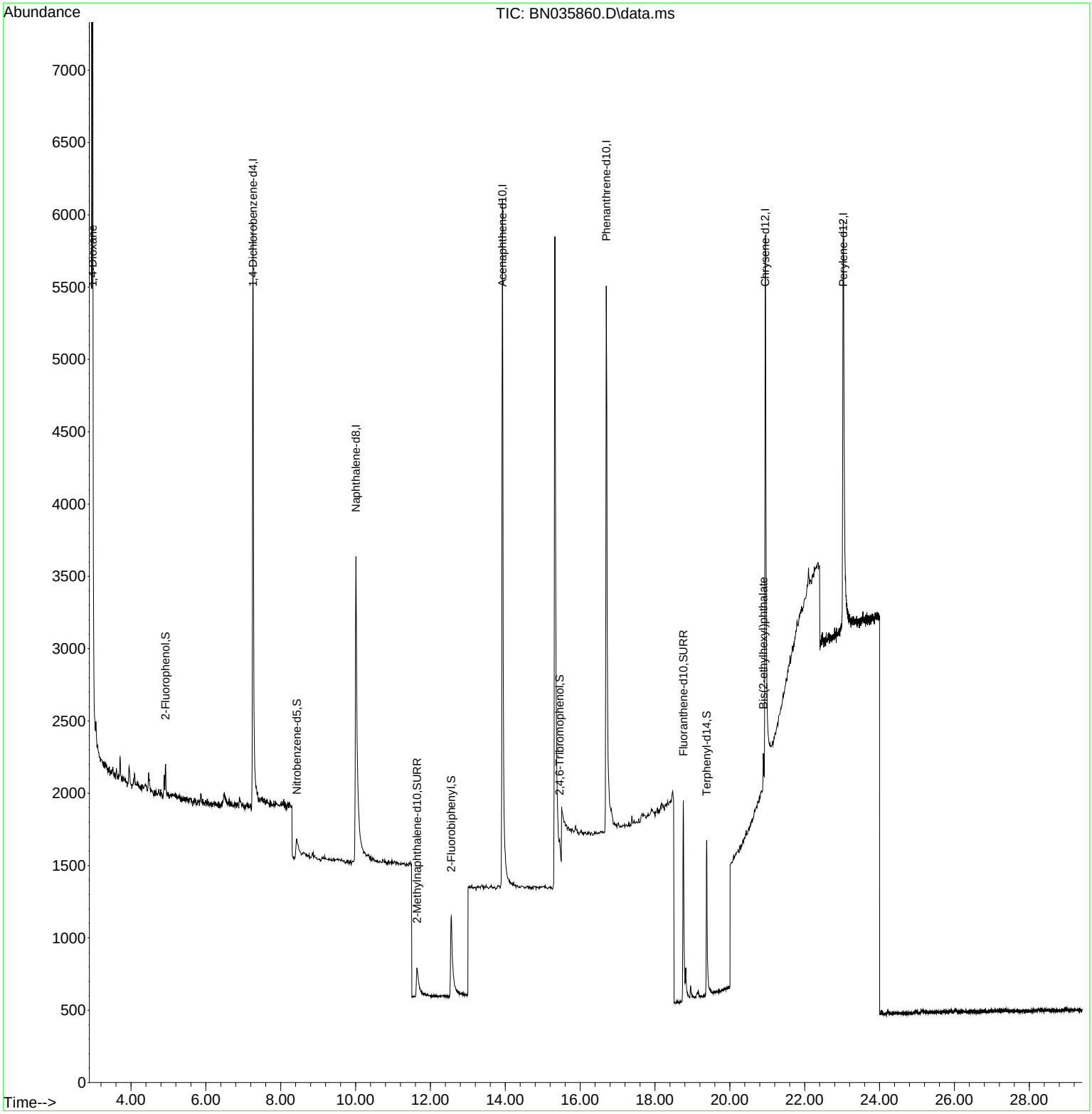
(#) = qualifier out of range (m) = manual integration (+) = signals summed

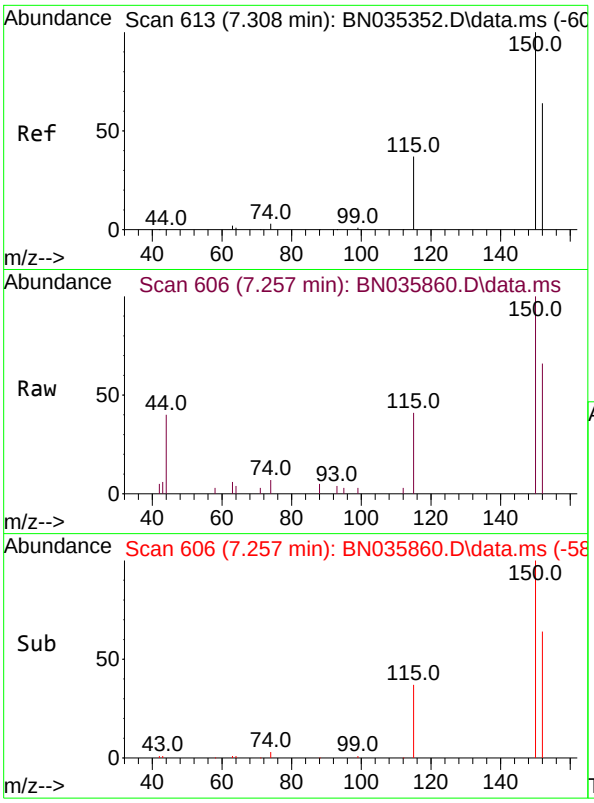
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122624\
Data File : BN035860.D
Acq On : 26 Dec 2024 19:05
Operator : RC/JU
Sample : P5261-19DL 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE120D3-20241210DL

Quant Time: Dec 27 00:42:29 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration



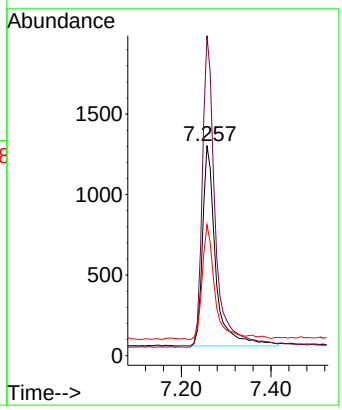


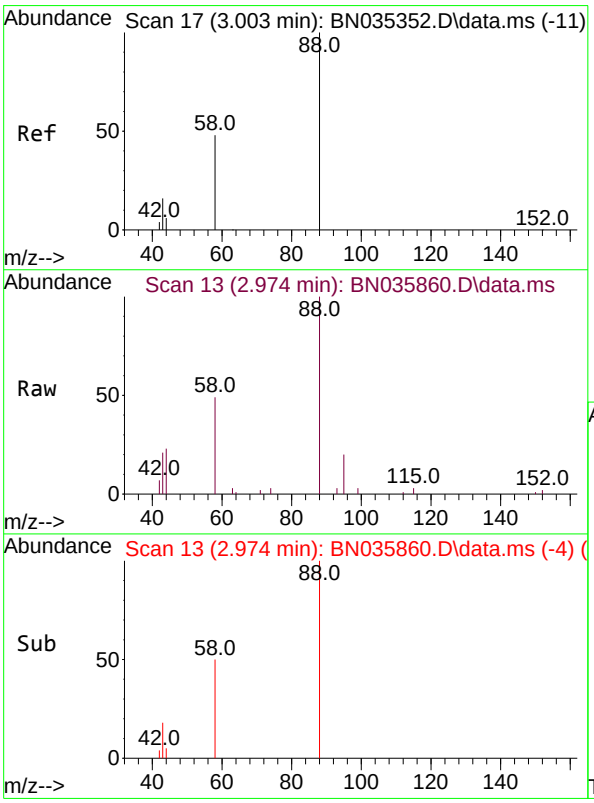
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.257 min Scan# 6(
Delta R.T. -0.015 min
Lab File: BN035860.D
Acq: 26 Dec 2024 19:05

Instrument :
BNA_N
ClientSampleId :
RE120D3-20241210DL

Tgt Ion:152 Resp: 2551

Ion	Ratio	Lower	Upper
152	100		
150	152.4	124.0	186.0
115	62.3	49.6	74.4

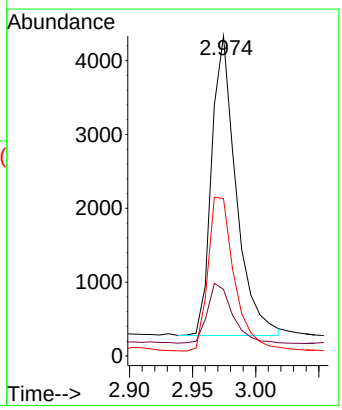


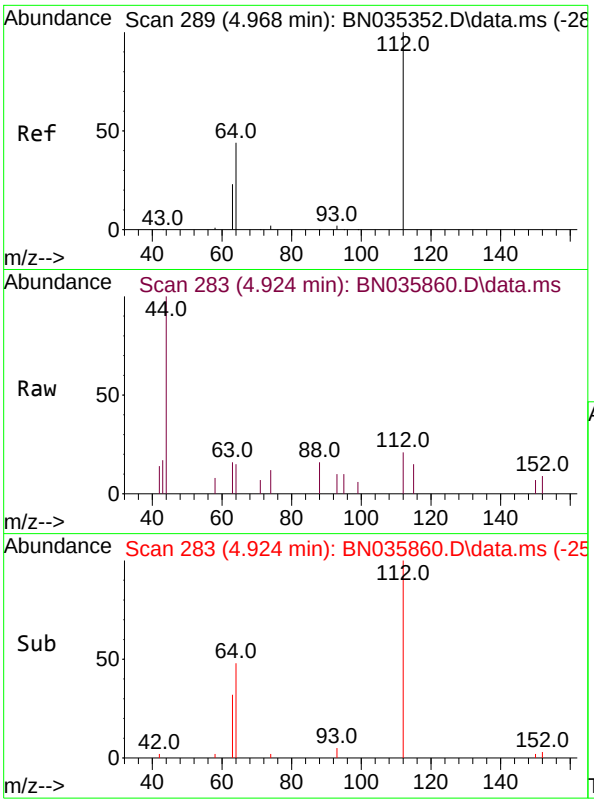


#2
1,4-Dioxane
Concen: 2.242 ng
RT: 2.974 min Scan# 13
Delta R.T. -0.008 min
Lab File: BN035860.D
Acq: 26 Dec 2024 19:05

Tgt Ion: 88 Resp: 5467

Ion	Ratio	Lower	Upper
88	100		
43	20.4	17.2	25.8
58	55.2	44.5	66.7



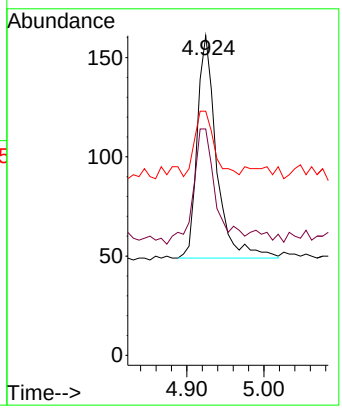


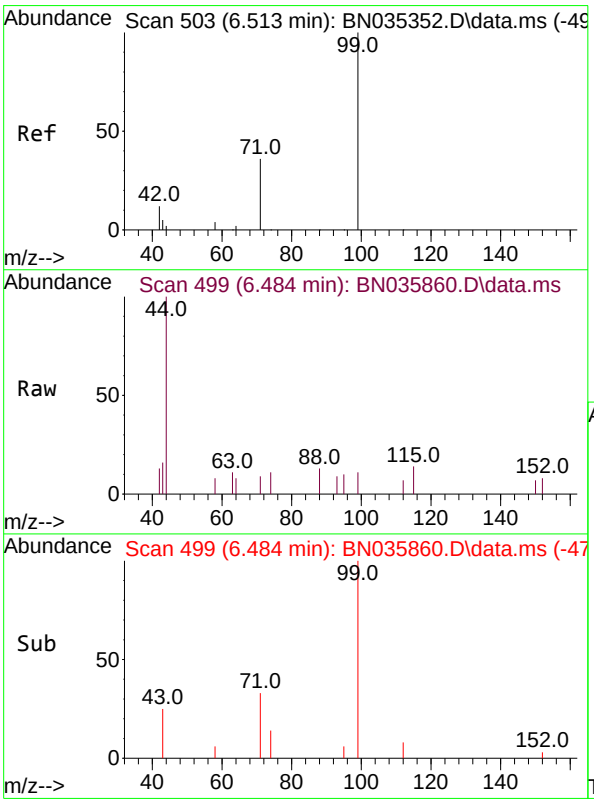
#4
2-Fluorophenol
Concen: 0.031 ng
RT: 4.924 min Scan# 2
Delta R.T. -0.014 min
Lab File: BN035860.D
Acq: 26 Dec 2024 19:05

Instrument :
BNA_N
ClientSampleId :
RE120D3-20241210DL

Tgt Ion:112 Resp: 195

Ion	Ratio	Lower	Upper
112	100		
64	60.0	39.8	59.8#
63	30.8	21.0	31.6

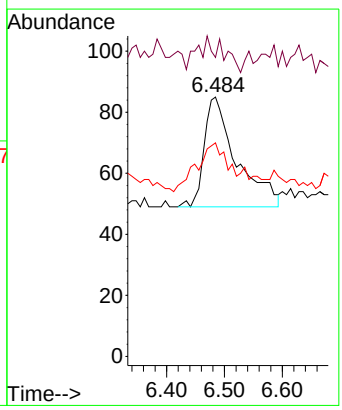


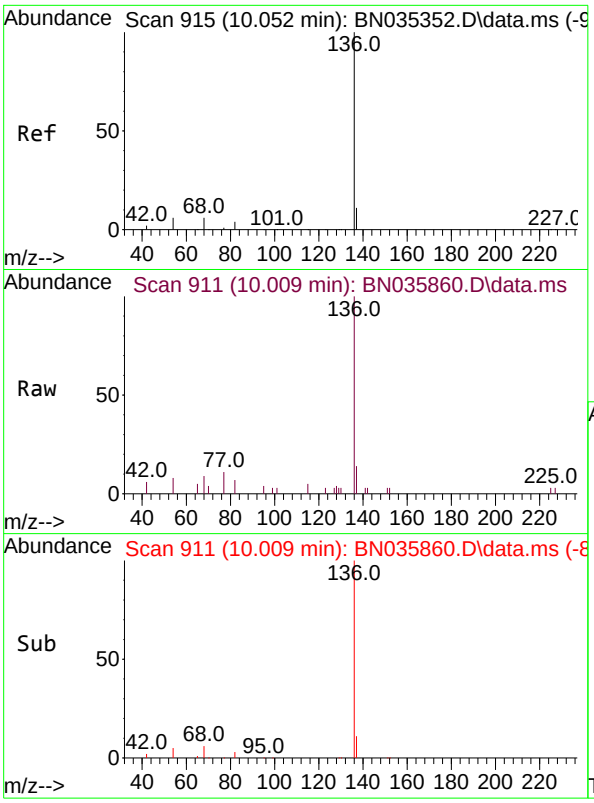


#5
Phenol-d6
Concen: 0.018 ng
RT: 6.484 min Scan# 499
Delta R.T. -0.007 min
Lab File: BN035860.D
Acq: 26 Dec 2024 19:05

Tgt Ion: 99 Resp: 140

Ion	Ratio	Lower	Upper
99	100		
42	0.0	11.4	17.2#
71	43.6	29.3	43.9



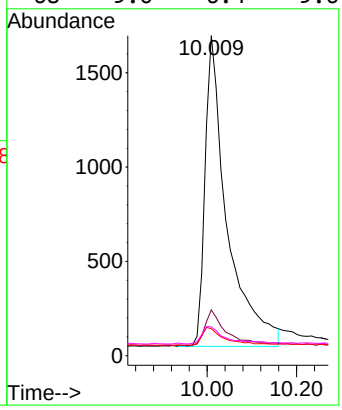


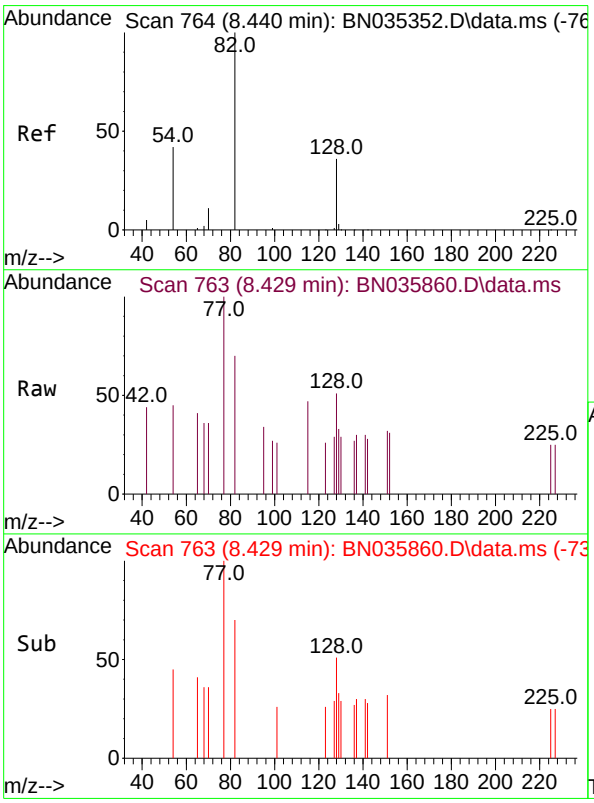
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.009 min Scan# 9
Delta R.T. -0.011 min
Lab File: BN035860.D
Acq: 26 Dec 2024 19:05

Instrument :
BNA_N
ClientSampleId :
RE120D3-20241210DL

Tgt Ion:136 Resp: 5621

Ion	Ratio	Lower	Upper
136	100		
137	14.3	10.2	15.2
54	8.4	6.1	9.1
68	9.0	6.4	9.6

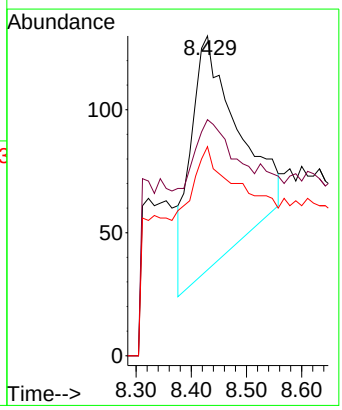


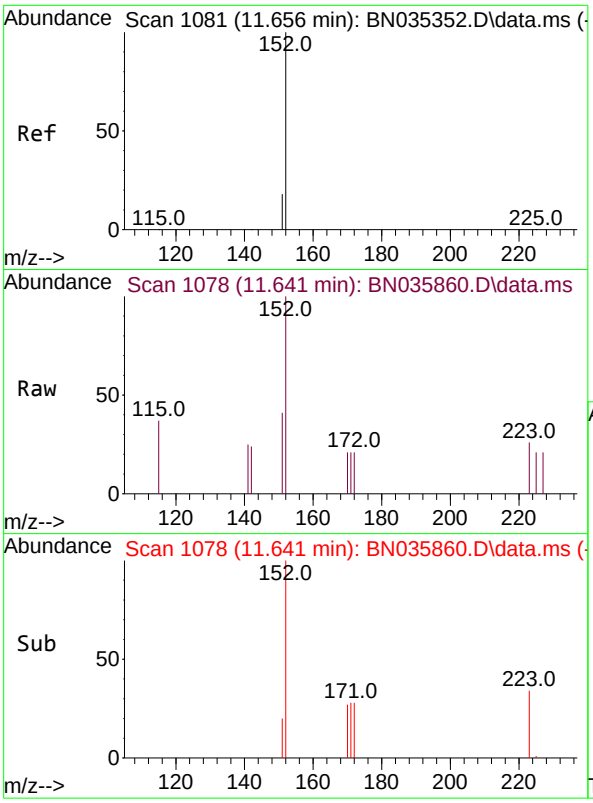


#8
Nitrobenzene-d5
Concen: 0.163 ng
RT: 8.429 min Scan# 763
Delta R.T. 0.021 min
Lab File: BN035860.D
Acq: 26 Dec 2024 19:05

Tgt Ion: 82 Resp: 560

Ion	Ratio	Lower	Upper
82	100		
128	73.8	33.4	50.0#
54	65.4	36.7	55.1#



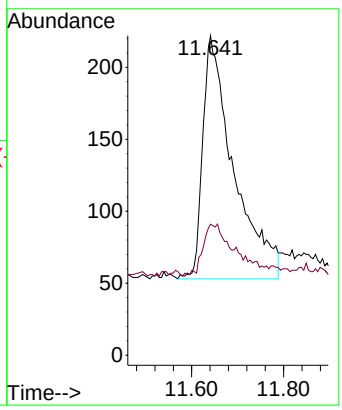


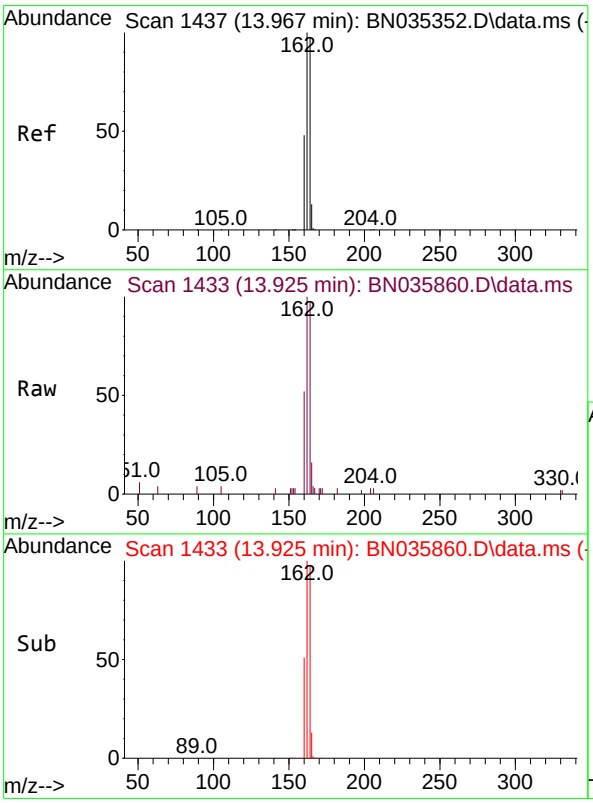
#11
2-Methylnaphthalene-d10
Concen: 0.090 ng
RT: 11.641 min Scan# 1
Delta R.T. 0.020 min
Lab File: BN035860.D
Acq: 26 Dec 2024 19:05

Instrument :
BNA_N
ClientSampleId :
RE120D3-20241210DL

Tgt Ion:152 Resp: 788

Ion	Ratio	Lower	Upper
152	100		
151	22.5	16.6	25.0

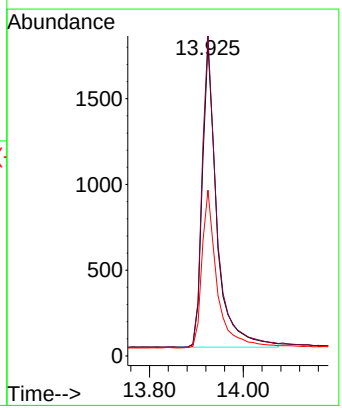


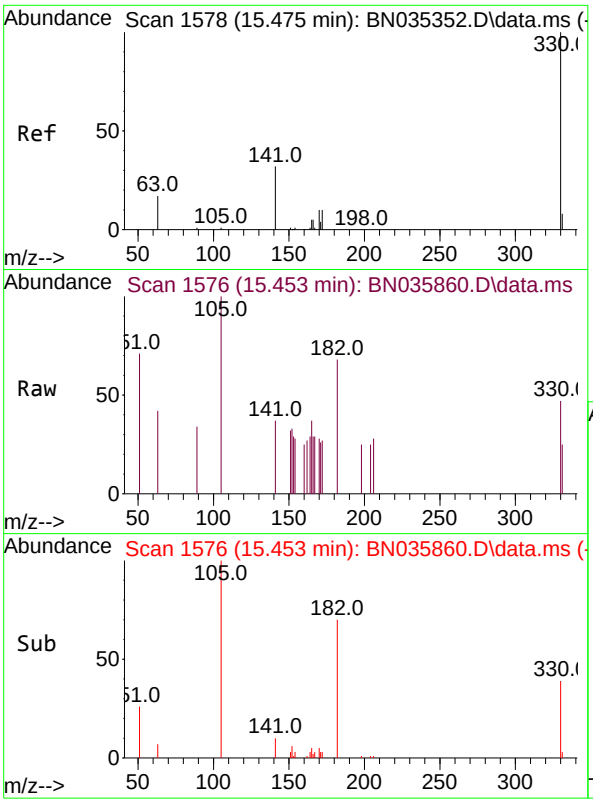


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.925 min Scan# 1433
Delta R.T. -0.011 min
Lab File: BN035860.D
Acq: 26 Dec 2024 19:05

Tgt Ion:164 Resp: 3825

Ion	Ratio	Lower	Upper
164	100		
162	102.8	82.2	123.2
160	53.2	40.1	60.1



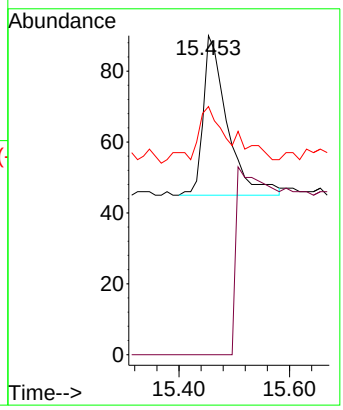


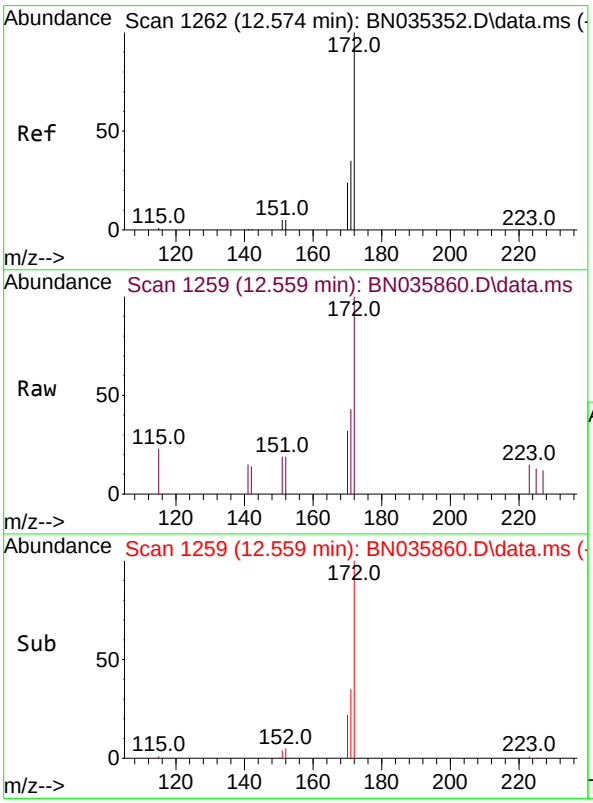
#14
2,4,6-Tribromophenol
Concen: 0.052 ng
RT: 15.453 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035860.D
Acq: 26 Dec 2024 19:05

Instrument :
BNA_N
ClientSampleId :
RE120D3-20241210DL

Tgt Ion:330 Resp: 141

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	28.4	26.6	40.0

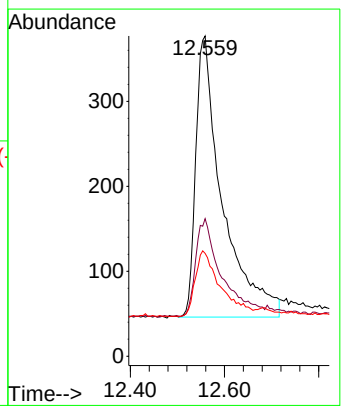


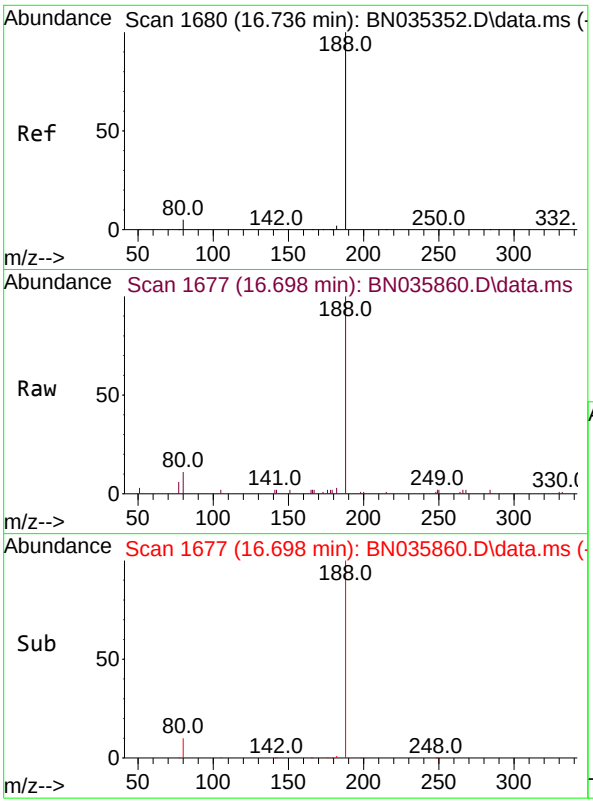


#15
2-Fluorobiphenyl
Concen: 0.090 ng
RT: 12.559 min Scan# 1259
Delta R.T. 0.015 min
Lab File: BN035860.D
Acq: 26 Dec 2024 19:05

Tgt Ion:172 Resp: 1296

Ion	Ratio	Lower	Upper
172	100		
171	43.0	29.0	43.4
170	32.1	19.8	29.8#



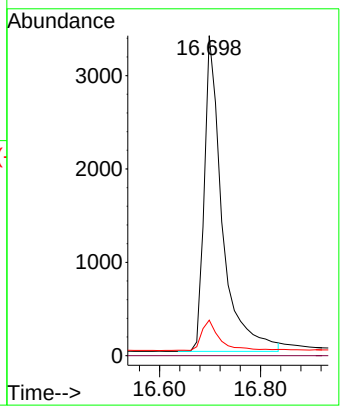


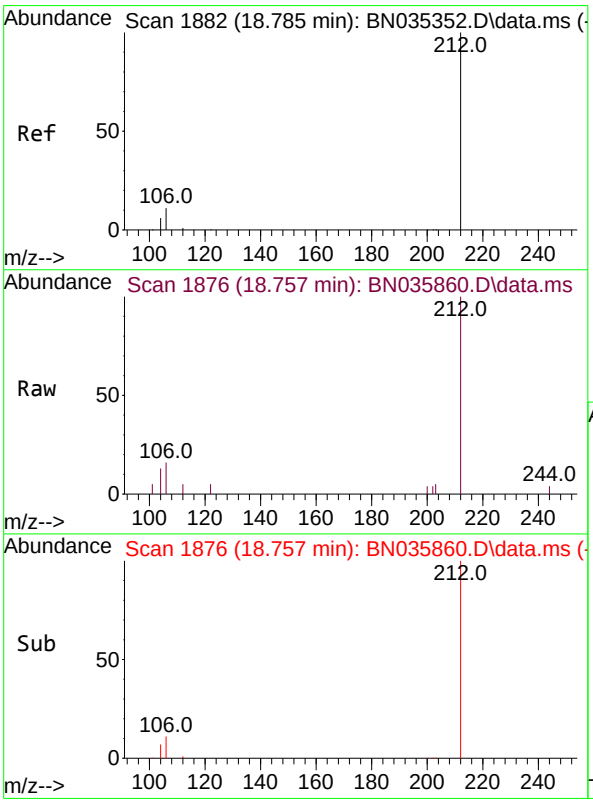
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.698 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN035860.D
Acq: 26 Dec 2024 19:05

Instrument :
BNA_N
ClientSampleId :
RE120D3-20241210DL

Tgt Ion:188 Resp: 8370

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.1	4.6	6.8#

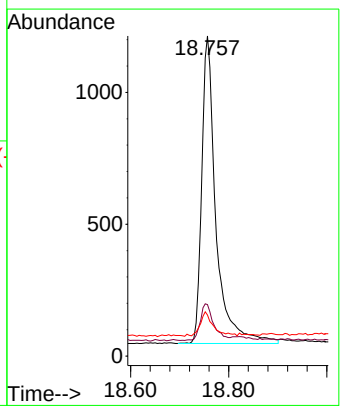


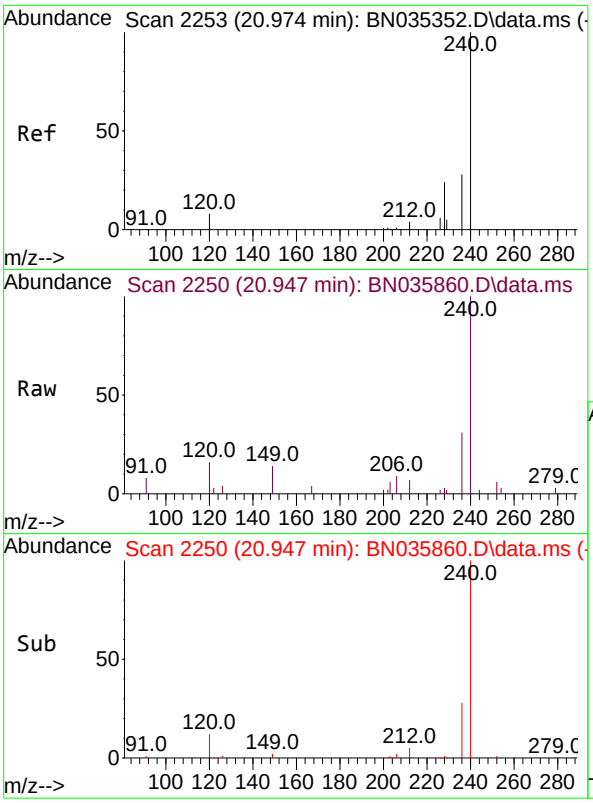


#27
Fluoranthene-d10
Concen: 0.099 ng
RT: 18.757 min Scan# 1876
Delta R.T. -0.005 min
Lab File: BN035860.D
Acq: 26 Dec 2024 19:05

Tgt Ion:212 Resp: 2340

Ion	Ratio	Lower	Upper
212	100		
106	11.2	9.2	13.8
104	7.5	5.3	7.9



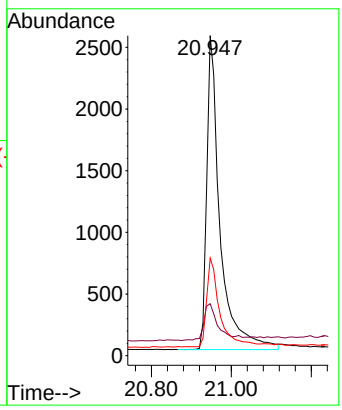


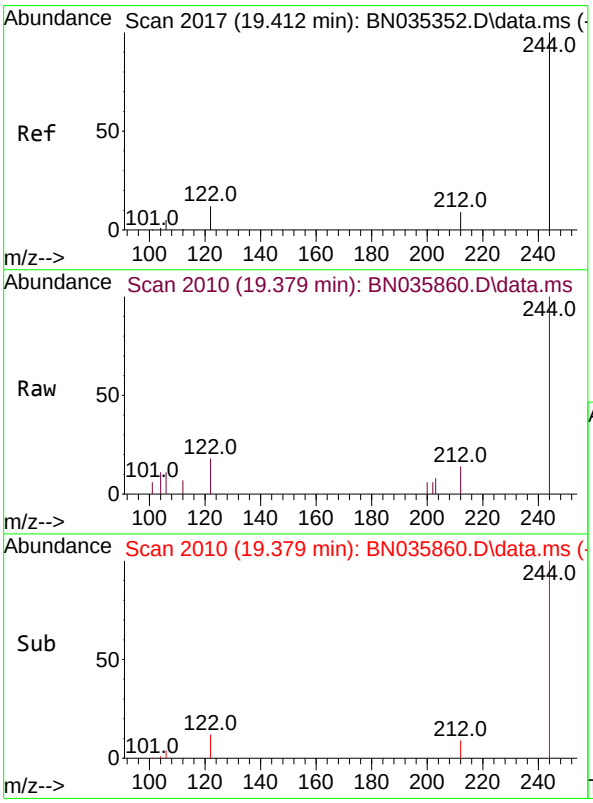
#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.947 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN035860.D
Acq: 26 Dec 2024 19:05

Instrument :
BNA_N
ClientSampleId :
RE120D3-20241210DL

Tgt Ion:240 Resp: 5883

Ion	Ratio	Lower	Upper
240	100		
120	16.2	7.9	11.9#
236	30.5	22.9	34.3

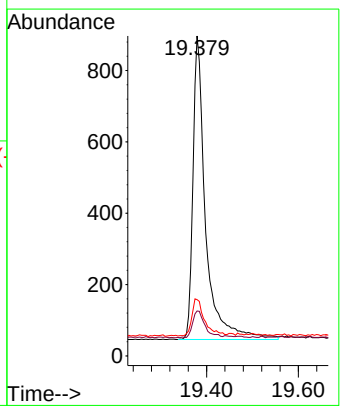


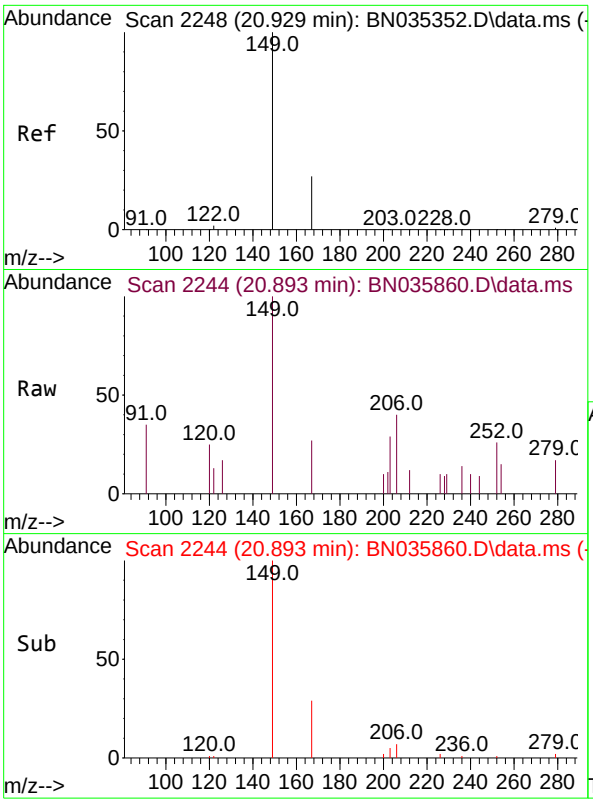


#31
Terphenyl-d14
Concen: 0.140 ng
RT: 19.379 min Scan# 2010
Delta R.T. -0.009 min
Lab File: BN035860.D
Acq: 26 Dec 2024 19:05

Tgt Ion:244 Resp: 1628

Ion	Ratio	Lower	Upper
244	100		
212	14.0	8.1	12.1#
122	17.6	10.3	15.5#



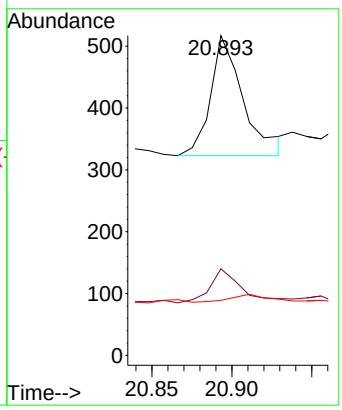


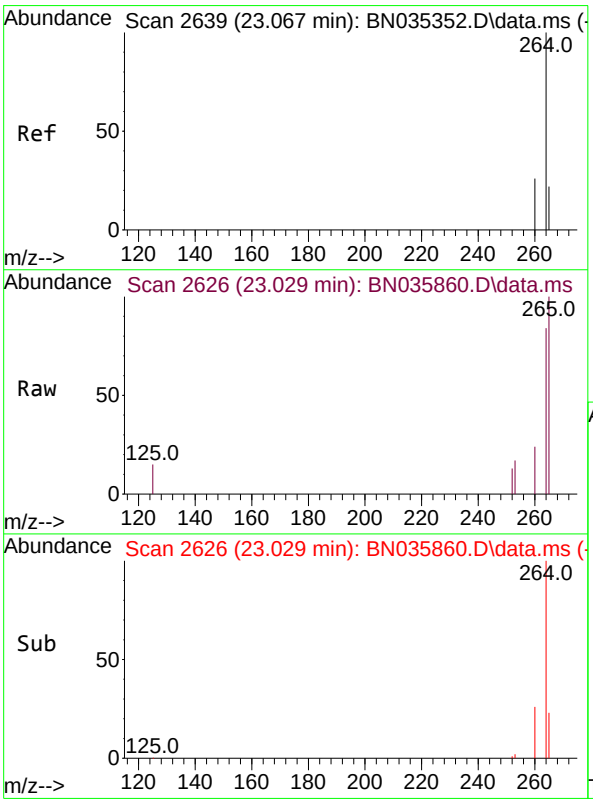
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.034 ng
RT: 20.893 min Scan# 2
Delta R.T. -0.018 min
Lab File: BN035860.D
Acq: 26 Dec 2024 19:05

Instrument :
BNA_N
ClientSampleId :
RE120D3-20241210DL

Tgt Ion:149 Resp: 277

Ion	Ratio	Lower	Upper
149	100		
167	24.9	22.2	33.4
279	7.9	2.7	4.1#

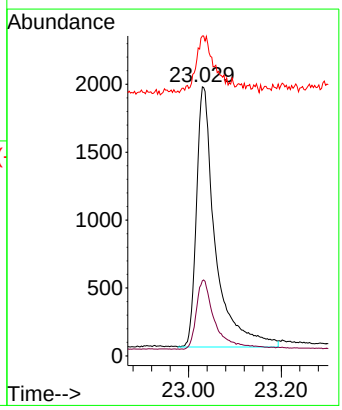




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.029 min Scan# 2626
Delta R.T. -0.012 min
Lab File: BN035860.D
Acq: 26 Dec 2024 19:05

Tgt Ion:264 Resp: 5421

Ion	Ratio	Lower	Upper
264	100		
260	28.0	21.4	32.2
265	118.9	40.2	60.4#



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122624\
Data File : BN035861.D
Acq On : 26 Dec 2024 19:41
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Quant Time: Dec 27 00:42:36 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration

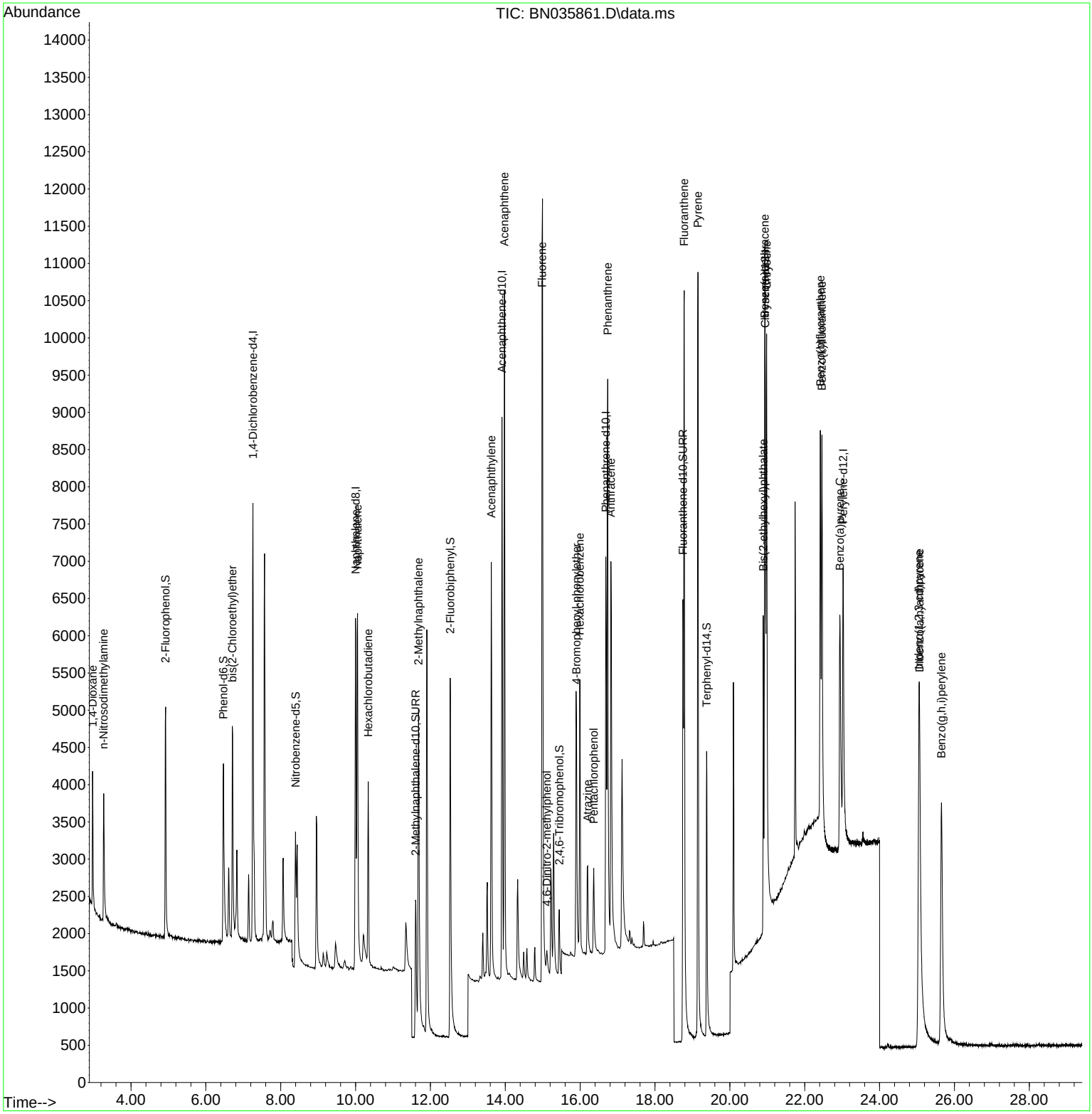
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.257	152	3087	0.400	ng		-0.01
7) Naphthalene-d8	9.999	136	7239	0.400	ng		-0.02
13) Acenaphthene-d10	13.914	164	4472	0.400	ng		-0.02
19) Phenanthrene-d10	16.686	188	9373	0.400	ng		#-0.01
29) Chrysene-d12	20.947	240	6021	0.400	ng		# 0.00
35) Perylene-d12	23.026	264	5699	0.400	ng		#-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	4.924	112	2874	0.372	ng		-0.01
5) Phenol-d6	6.470	99	3155	0.340	ng		-0.02
8) Nitrobenzene-d5	8.397	82	2397	0.542	ng		-0.01
11) 2-Methylnaphthalene-d10	11.605	152	3987	0.352	ng		-0.02
14) 2,4,6-Tribromophenol	15.443	330	1008	0.318	ng		-0.01
15) 2-Fluorobiphenyl	12.528	172	6619	0.392	ng		-0.02
27) Fluoranthene-d10	18.747	212	8643	0.325	ng		-0.01
31) Terphenyl-d14	19.379	244	5407	0.455	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.974	88	1215	0.412	ng		96
3) n-Nitrosodimethylamine	3.271	42	1021	0.415	ng	#	90
6) bis(2-Chloroethyl)ether	6.708	93	2725	0.349	ng		98
9) Naphthalene	10.052	128	7516	0.394	ng		100
10) Hexachlorobutadiene	10.340	225	1992	0.452	ng	#	99
12) 2-Methylnaphthalene	11.682	142	4745	0.347	ng		99
16) Acenaphthylene	13.625	152	6923	0.369	ng		100
17) Acenaphthene	13.978	154	4776	0.383	ng		99
18) Fluorene	14.983	166	6478	0.363	ng		99
20) 4,6-Dinitro-2-methylph...	15.111	198	453	0.492	ng	#	67
21) 4-Bromophenyl-phenylether	15.904	248	2071	0.378	ng	#	96
22) Hexachlorobenzene	15.991	284	3015	0.468	ng		98
23) Atrazine	16.202	200	1507	0.386	ng		94
24) Pentachlorophenol	16.363	266	846	0.302	ng	#	84
25) Phenanthrene	16.736	178	9697	0.377	ng		100
26) Anthracene	16.822	178	8100	0.348	ng		99
28) Fluoranthene	18.780	202	11145	0.321	ng		99
30) Pyrene	19.147	202	11492	0.517	ng		99
32) Benzo(a)anthracene	20.929	228	6901	0.328	ng		99
33) Chrysene	20.983	228	9578	0.441	ng		99
34) Bis(2-ethylhexyl)phtha...	20.893	149	4069	0.489	ng		99
36) Indeno(1,2,3-cd)pyrene	25.050	276	9030	0.405	ng		98
37) Benzo(b)fluoranthene	22.418	252	11803	0.566	ng	#	92
38) Benzo(k)fluoranthene	22.459	252	9638	0.470	ng	#	90
39) Benzo(a)pyrene	22.939	252	6641	0.387	ng	#	82
40) Dibenzo(a,h)anthracene	25.070	278	6633	0.377	ng	#	91
41) Benzo(g,h,i)perylene	25.652	276	8300	0.452	ng		95

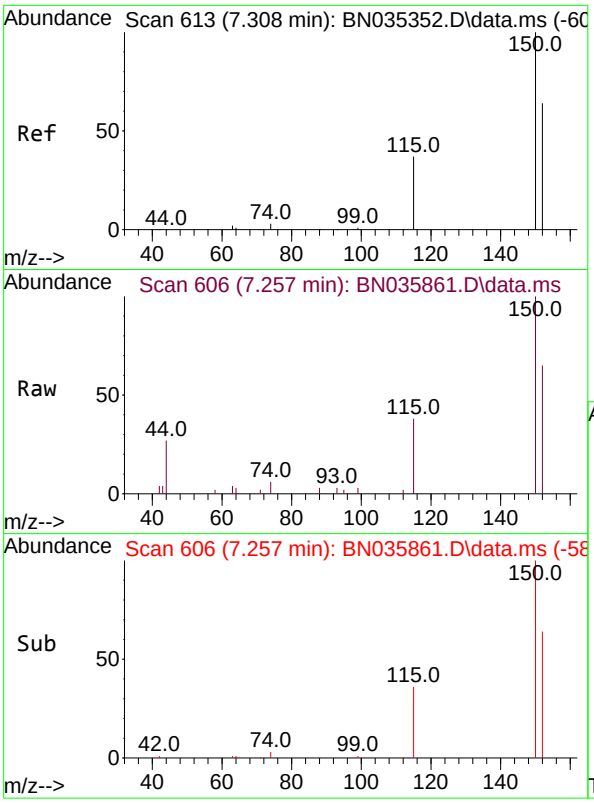
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122624\
Data File : BN035861.D
Acq On : 26 Dec 2024 19:41
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Quant Time: Dec 27 00:42:36 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration



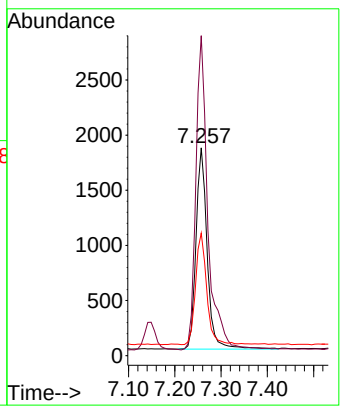


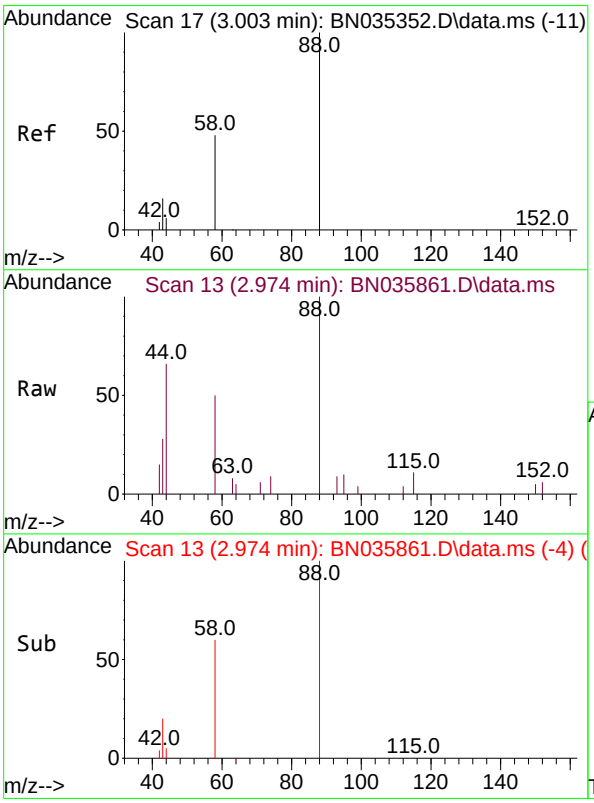
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.257 min Scan# 6
Delta R.T. -0.015 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 3087

Ion	Ratio	Lower	Upper
152	100		
150	154.0	124.0	186.0
115	58.9	49.6	74.4

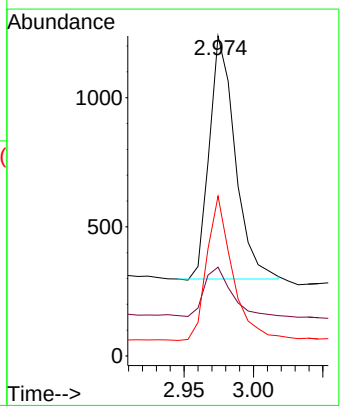


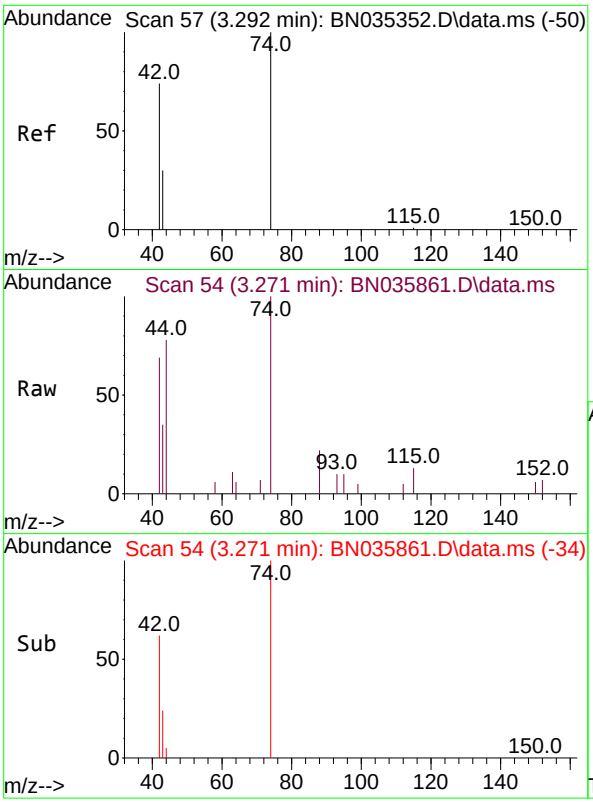


#2
1,4-Dioxane
Concen: 0.412 ng
RT: 2.974 min Scan# 13
Delta R.T. -0.008 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Tgt Ion: 88 Resp: 1215

Ion	Ratio	Lower	Upper
88	100		
43	20.1	17.2	25.8
58	59.1	44.5	66.7



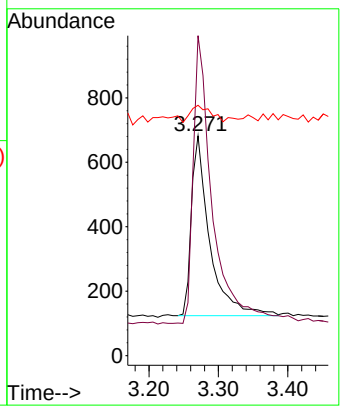


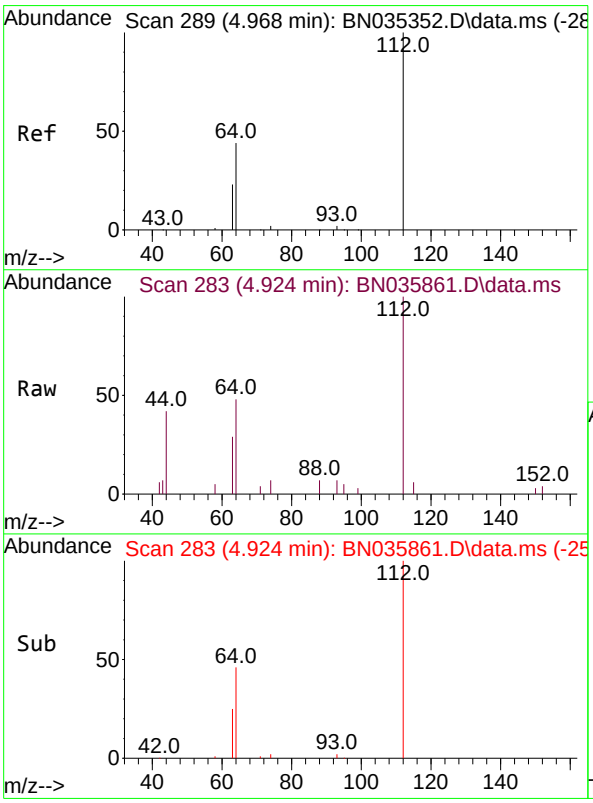
#3
n-Nitrosodimethylamine
Concen: 0.415 ng
RT: 3.271 min Scan# 54
Delta R.T. -0.007 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 42 Resp: 1021

Ion	Ratio	Lower	Upper
42	100		
74	169.1	124.9	187.3
44	10.6	2.2	3.4#

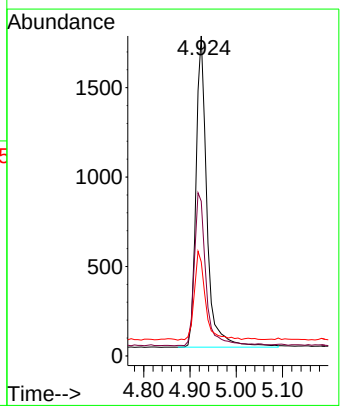


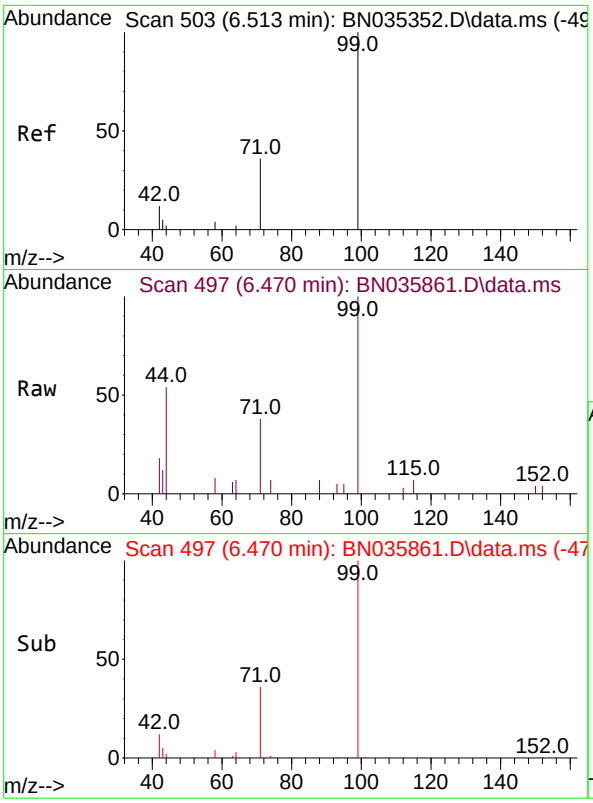


#4
2-Fluorophenol
Concen: 0.372 ng
RT: 4.924 min Scan# 283
Delta R.T. -0.015 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Tgt Ion:112 Resp: 2874

Ion	Ratio	Lower	Upper
112	100		
64	51.6	39.8	59.8
63	28.9	21.0	31.6



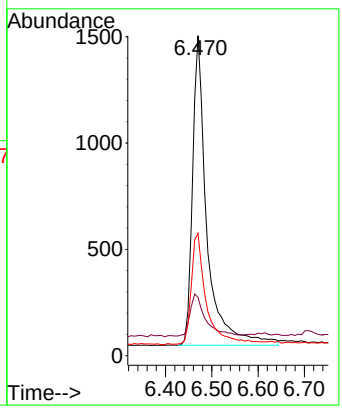


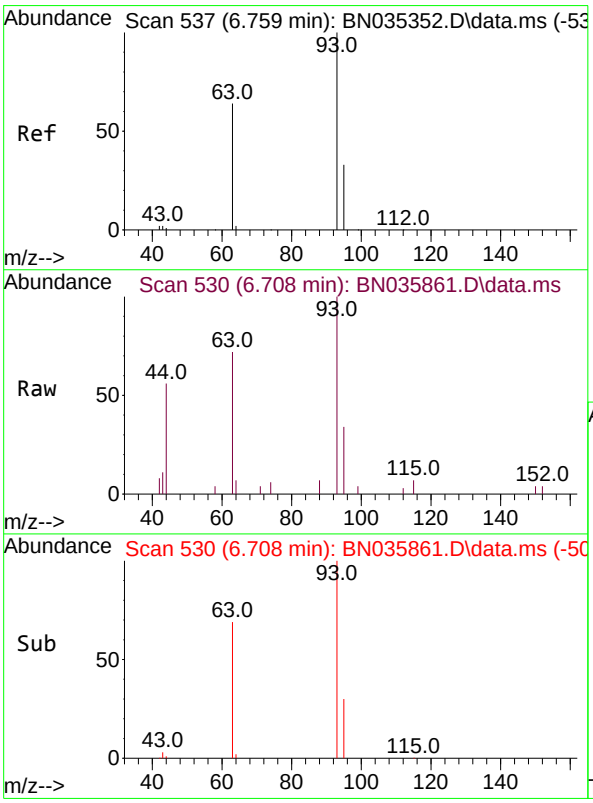
#5
Phenol-d6
Concen: 0.340 ng
RT: 6.470 min Scan# 4
Delta R.T. -0.022 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 99 Resp: 3155

Ion	Ratio	Lower	Upper
99	100		
42	14.5	11.4	17.2
71	37.3	29.3	43.9

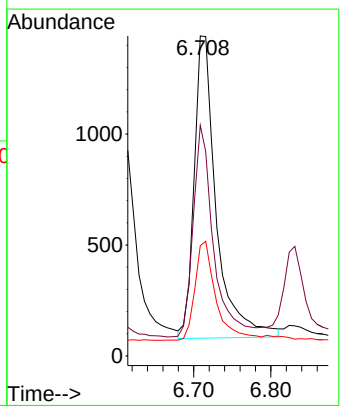


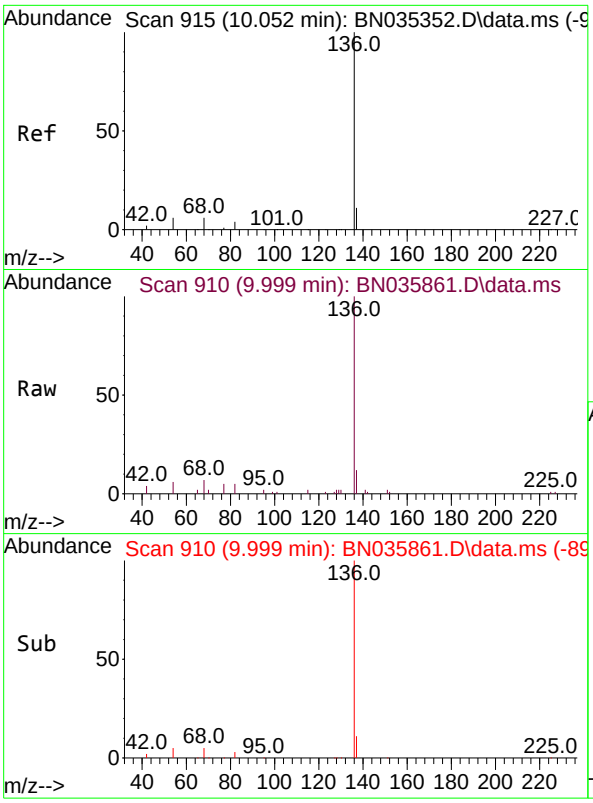


#6
bis(2-Chloroethyl)ether
Concen: 0.349 ng
RT: 6.708 min Scan# 530
Delta R.T. -0.022 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Tgt Ion: 93 Resp: 2725

Ion	Ratio	Lower	Upper
93	100		
63	64.1	50.4	75.6
95	31.0	25.7	38.5



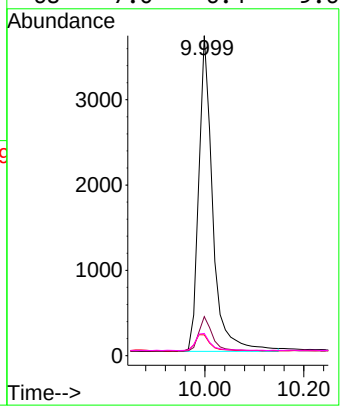


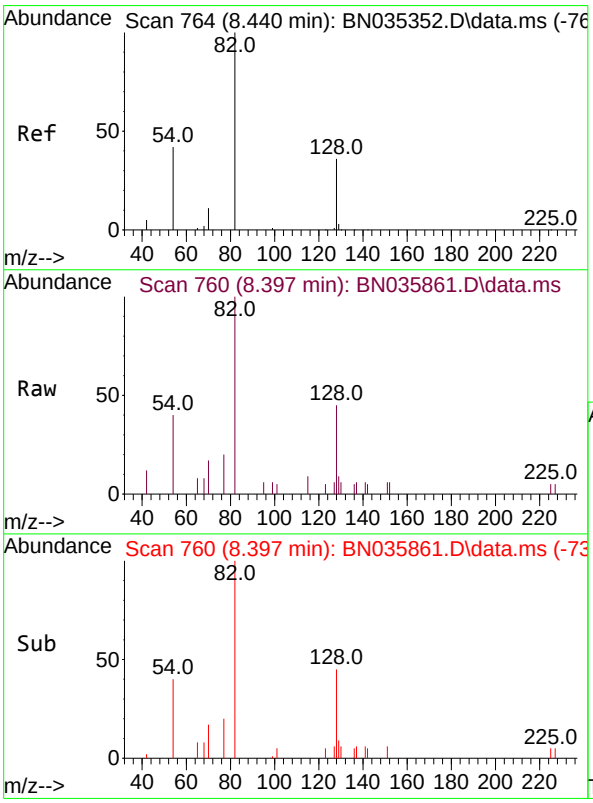
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 9.999 min Scan# 91
Delta R.T. -0.021 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:136 Resp: 7239

Ion	Ratio	Lower	Upper
136	100		
137	12.2	10.2	15.2
54	6.5	6.1	9.1
68	7.0	6.4	9.6

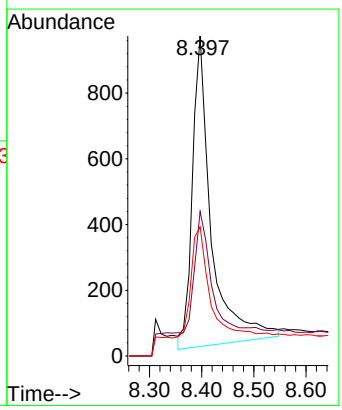


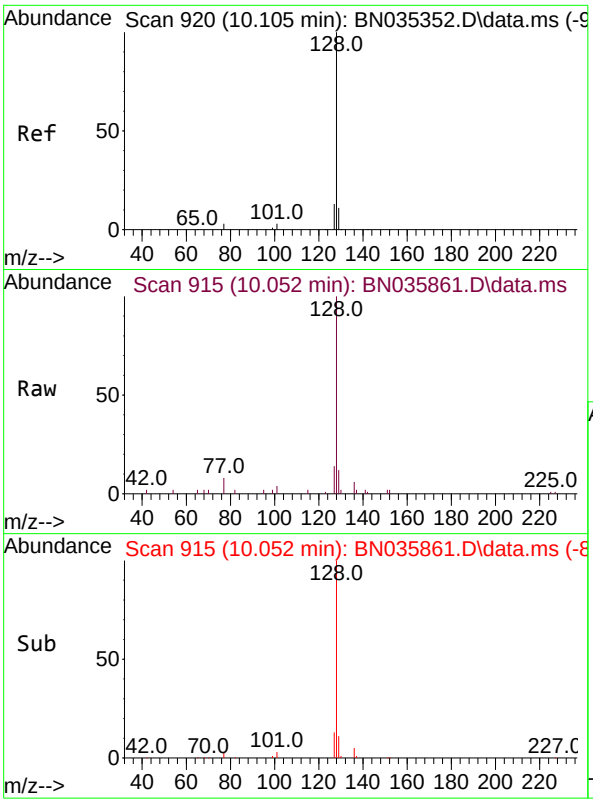


#8
Nitrobenzene-d5
Concen: 0.542 ng
RT: 8.397 min Scan# 760
Delta R.T. -0.011 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Tgt Ion: 82 Resp: 2397

Ion	Ratio	Lower	Upper
82	100		
128	45.2	33.4	50.0
54	40.3	36.7	55.1



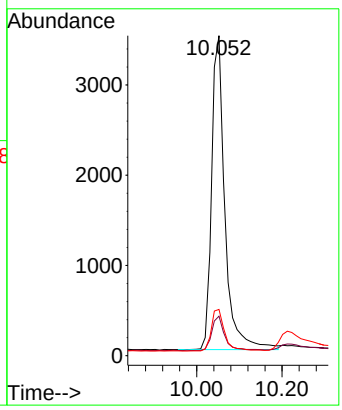


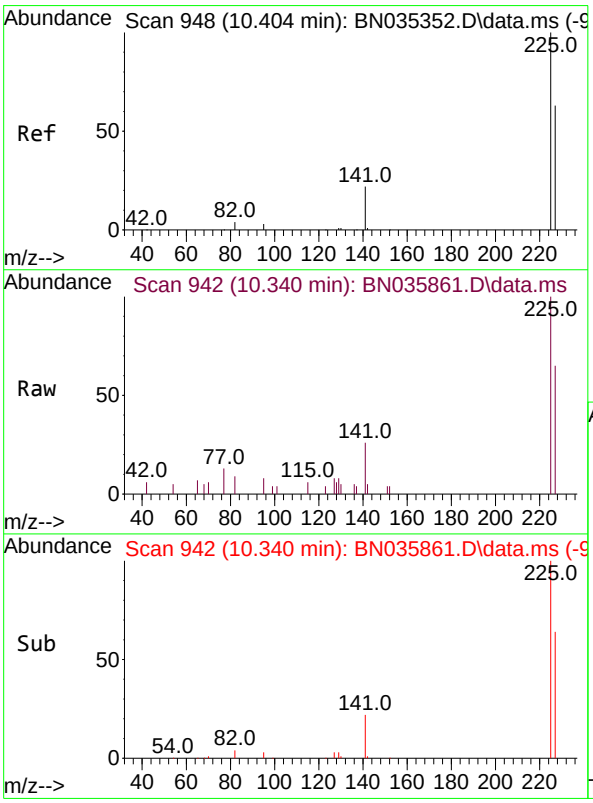
#9
Naphthalene
Concen: 0.394 ng
RT: 10.052 min Scan# 91
Delta R.T. -0.011 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:128 Resp: 7516

Ion	Ratio	Lower	Upper
128	100		
129	12.4	9.8	14.6
127	14.5	11.4	17.2

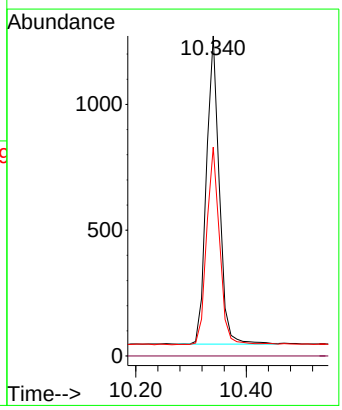


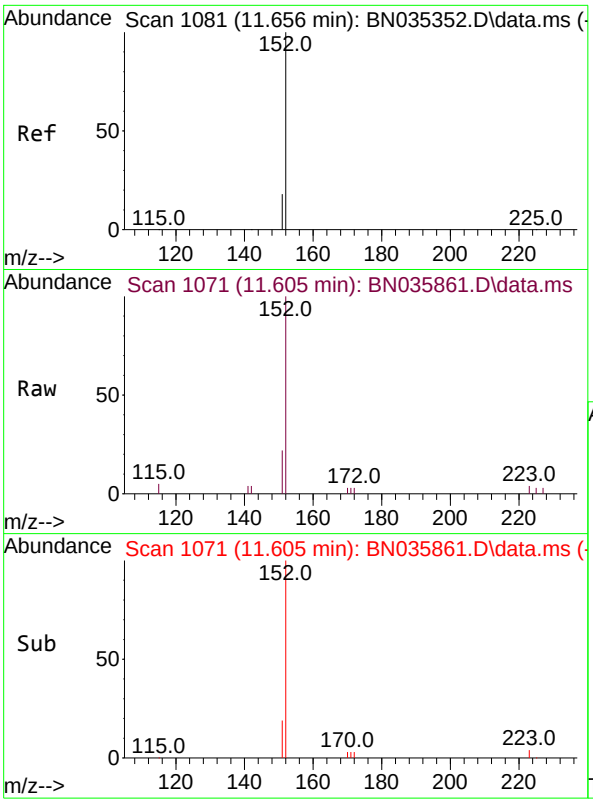


#10
Hexachlorobutadiene
Concen: 0.452 ng
RT: 10.340 min Scan# 942
Delta R.T. -0.021 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Tgt Ion:225 Resp: 1992

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.7	51.3	76.9



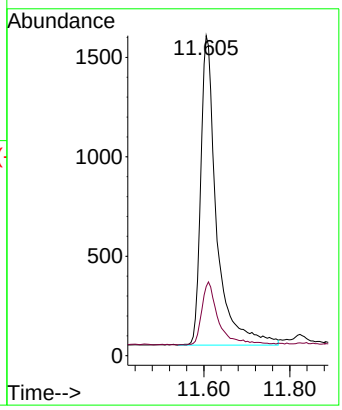


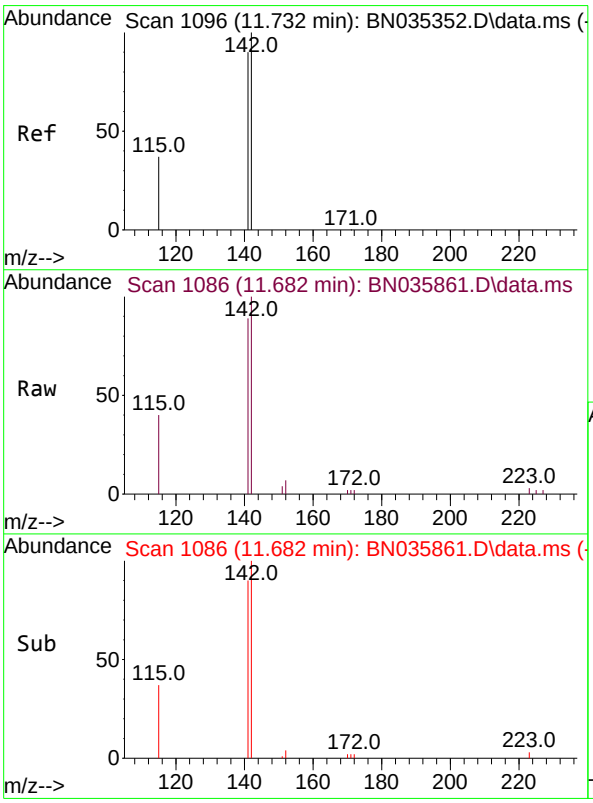
#11
2-Methylnaphthalene-d10
Concen: 0.352 ng
RT: 11.605 min Scan# 1
Delta R.T. -0.015 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 3987

Ion	Ratio	Lower	Upper
152	100		
151	21.5	16.6	25.0

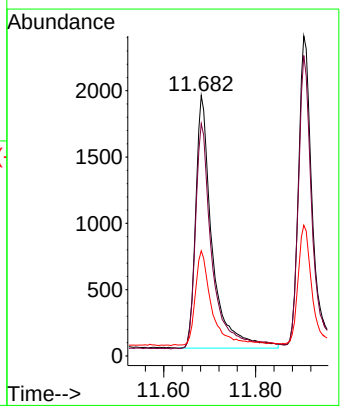


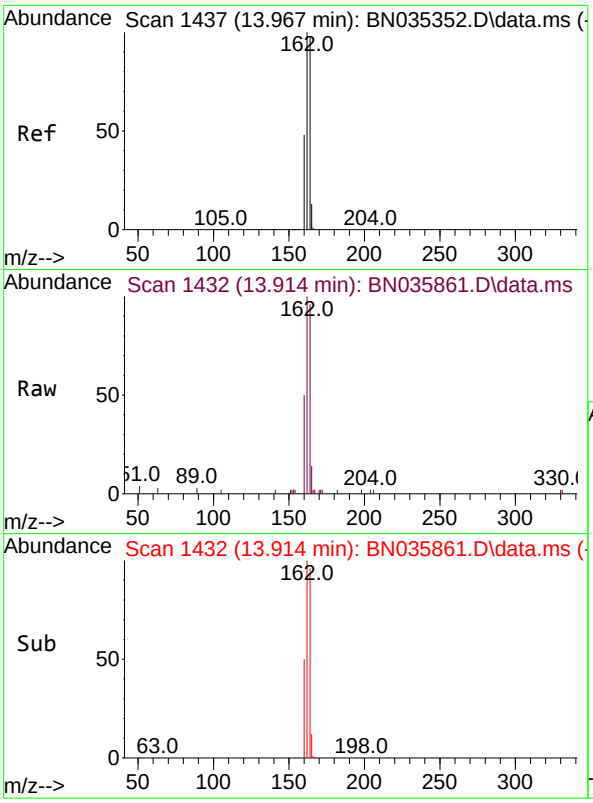


#12
2-Methylnaphthalene
Concen: 0.347 ng
RT: 11.682 min Scan# 1086
Delta R.T. -0.015 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Tgt Ion:142 Resp: 4745

Ion	Ratio	Lower	Upper
142	100		
141	89.2	72.2	108.4
115	40.4	31.4	47.0



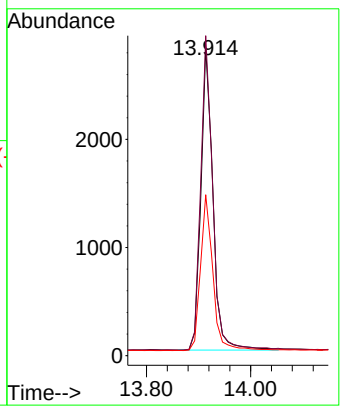


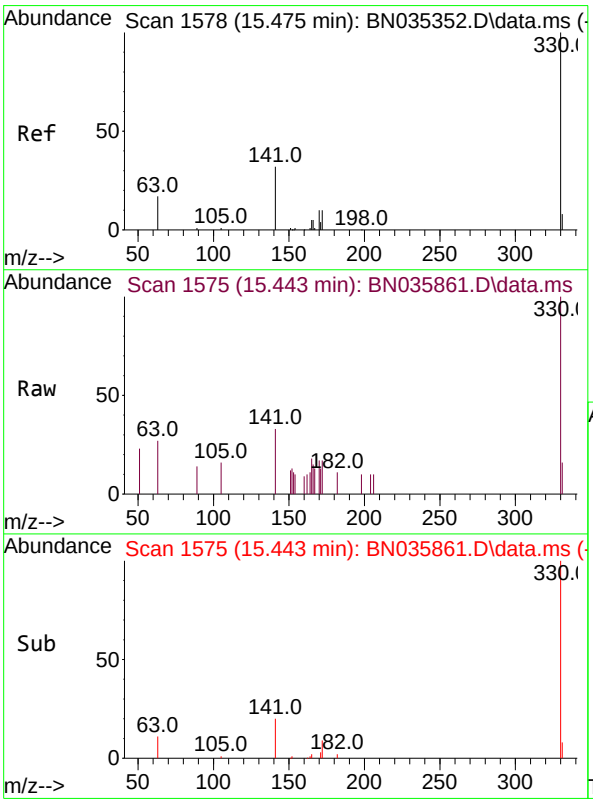
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.914 min Scan# 14
Delta R.T. -0.021 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:164 Resp: 4472

Ion	Ratio	Lower	Upper
164	100		
162	104.0	82.2	123.2
160	52.3	40.1	60.1

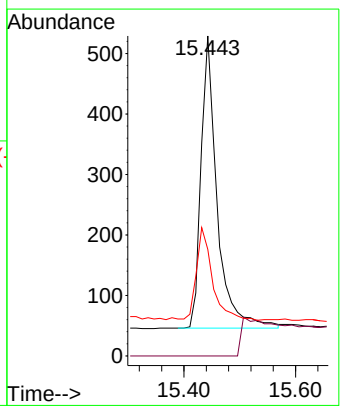


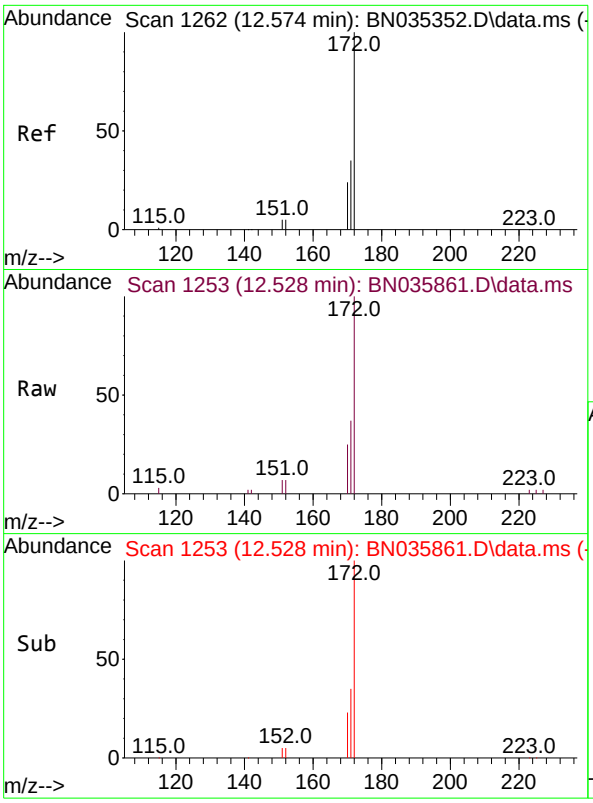


#14
2,4,6-Tribromophenol
Concen: 0.318 ng
RT: 15.443 min Scan# 1575
Delta R.T. -0.011 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Tgt Ion:330 Resp: 1008

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	30.5	26.6	40.0



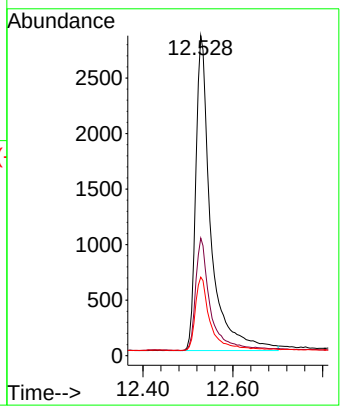


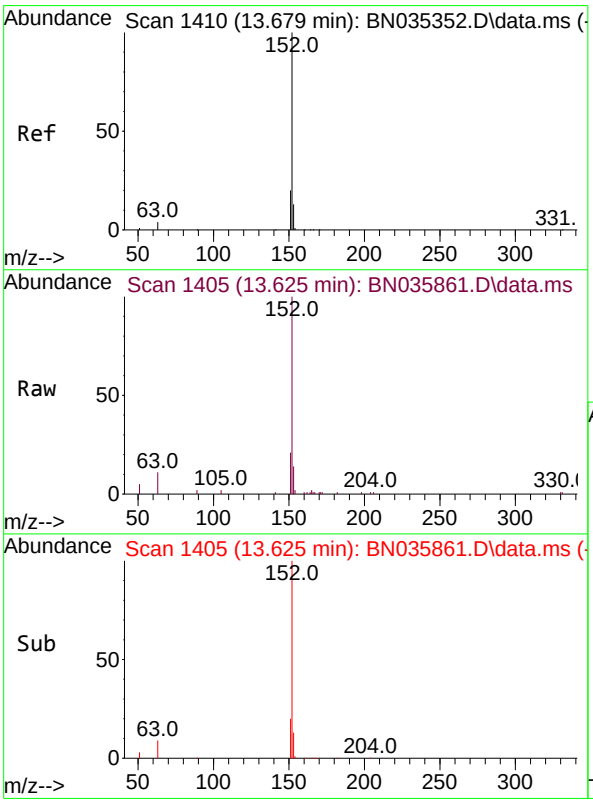
#15
2-Fluorobiphenyl
Concen: 0.392 ng
RT: 12.528 min Scan# 1
Delta R.T. -0.015 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:172 Resp: 6619

Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.0	43.4
170	24.5	19.8	29.8

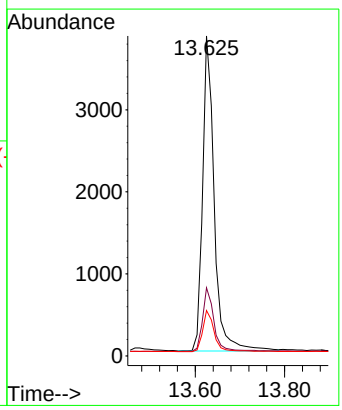


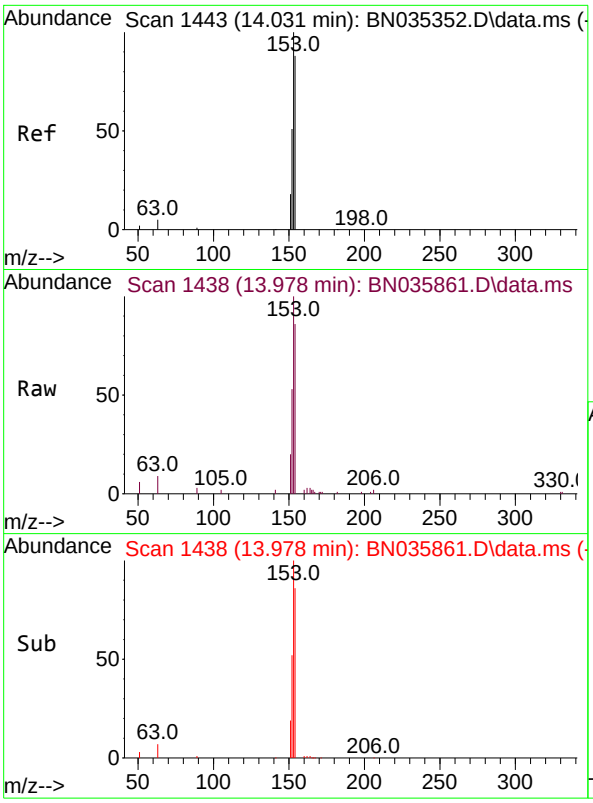


#16
Acenaphthylene
Concen: 0.369 ng
RT: 13.625 min Scan# 1405
Delta R.T. -0.021 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Tgt Ion:152 Resp: 6923

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.2	24.2
153	13.0	10.4	15.6



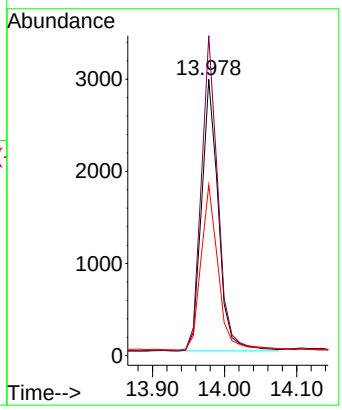


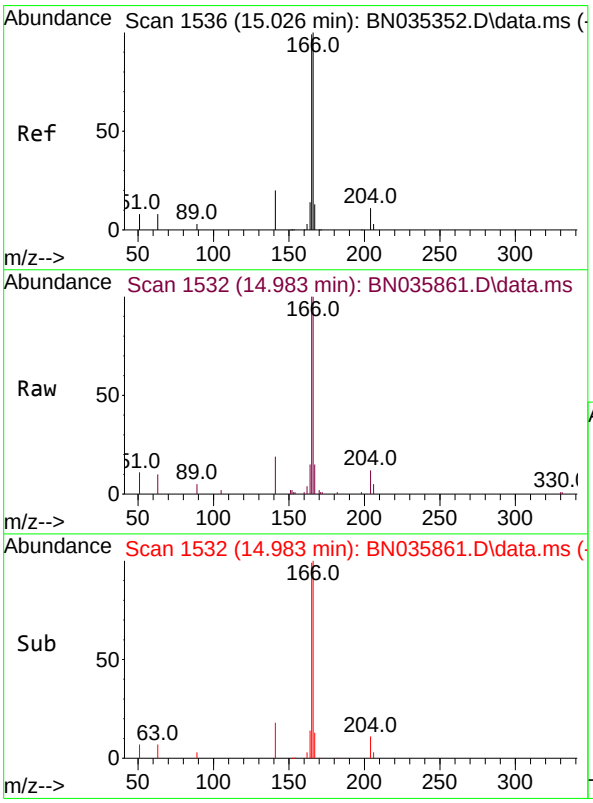
#17
Acenaphthene
Concen: 0.383 ng
RT: 13.978 min Scan# 14
Delta R.T. -0.021 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:154 Resp: 4776

Ion	Ratio	Lower	Upper
154	100		
153	116.3	92.6	139.0
152	62.6	49.0	73.6

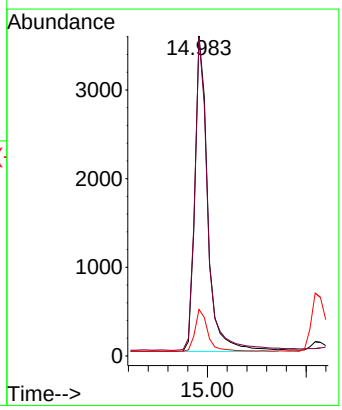


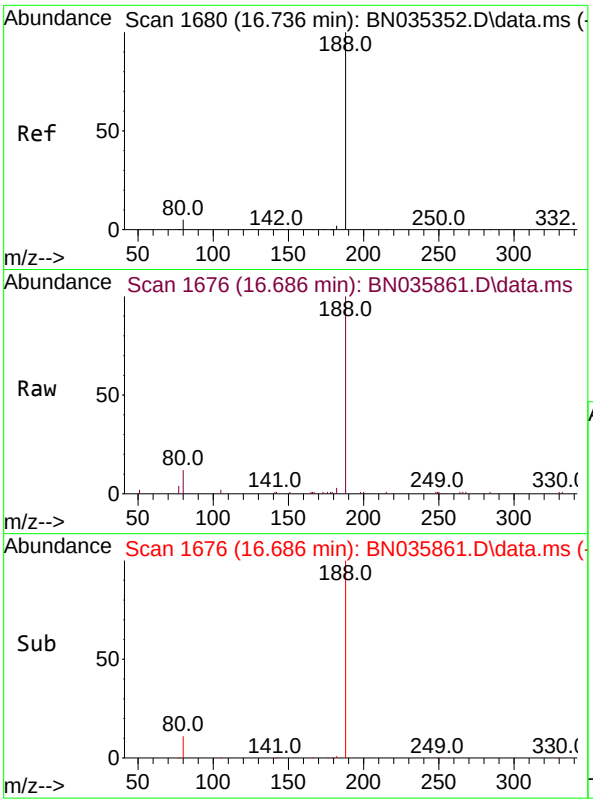


#18
Fluorene
Concen: 0.363 ng
RT: 14.983 min Scan# 1532
Delta R.T. -0.021 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Tgt Ion:166 Resp: 6478

Ion	Ratio	Lower	Upper
166	100		
165	98.7	79.7	119.5
167	13.6	10.8	16.2



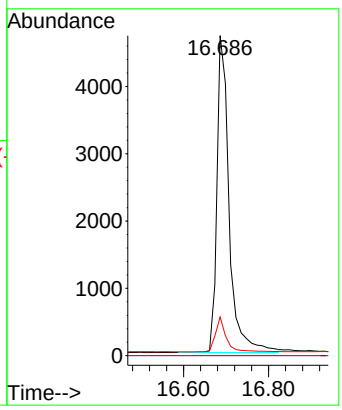


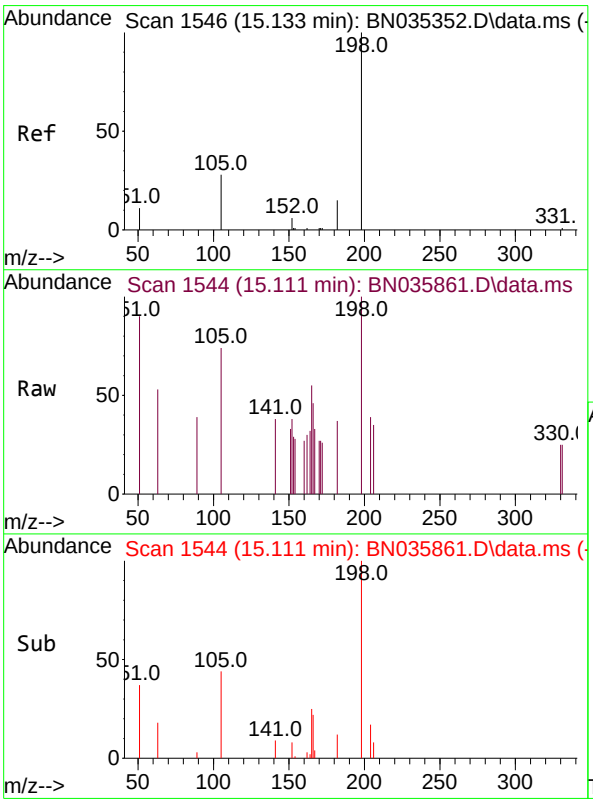
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.686 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:188 Resp: 9373

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	12.1	4.6	6.8#

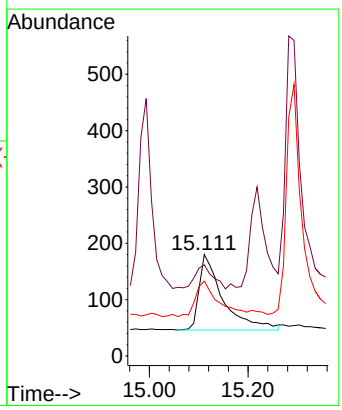


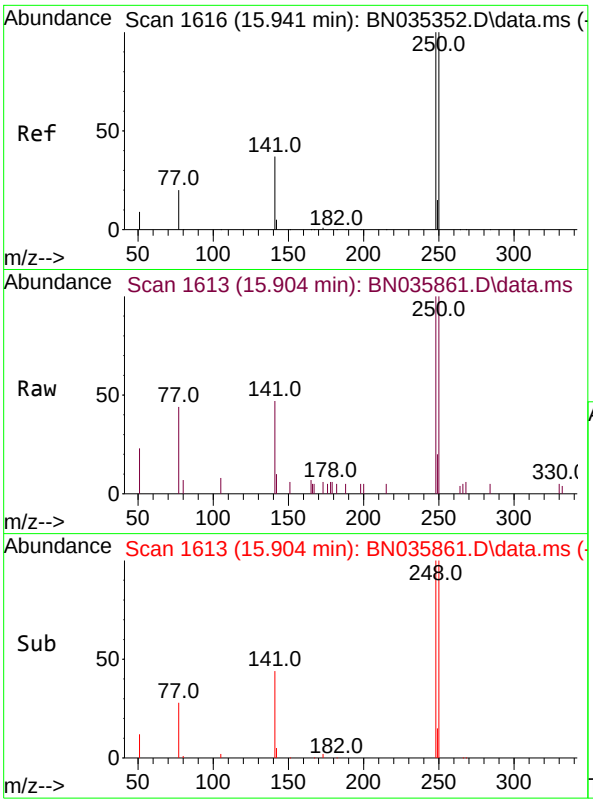


#20
4,6-Dinitro-2-methylphenol
Concen: 0.492 ng
RT: 15.111 min Scan# 1544
Delta R.T. -0.011 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Tgt Ion:198 Resp: 453

Ion	Ratio	Lower	Upper
198	100		
51	90.0	46.5	69.7#
105	73.9	45.3	67.9#



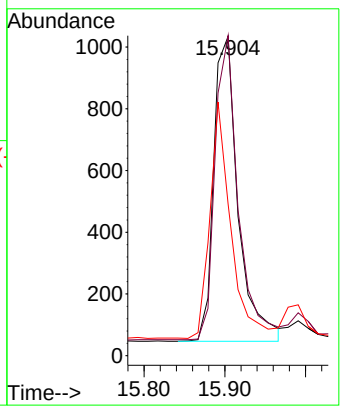


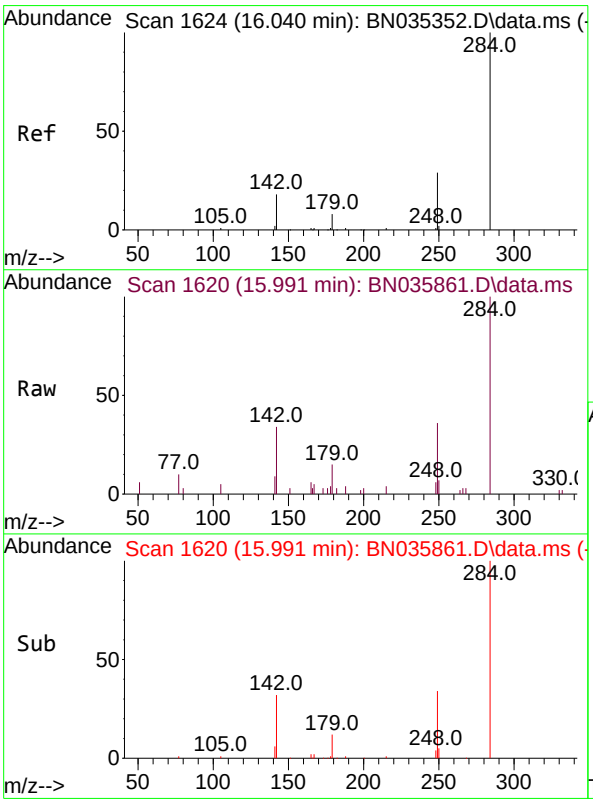
#21
4-Bromophenyl-phenylether
Concen: 0.378 ng
RT: 15.904 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:248 Resp: 2071

Ion	Ratio	Lower	Upper
248	100		
250	100.2	80.6	120.8
141	47.4	31.5	47.3#

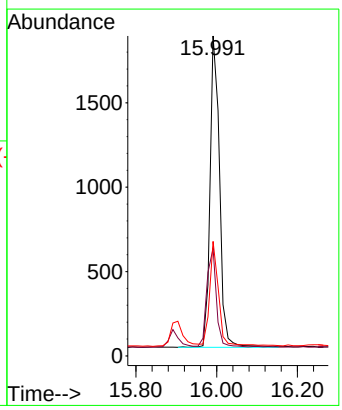


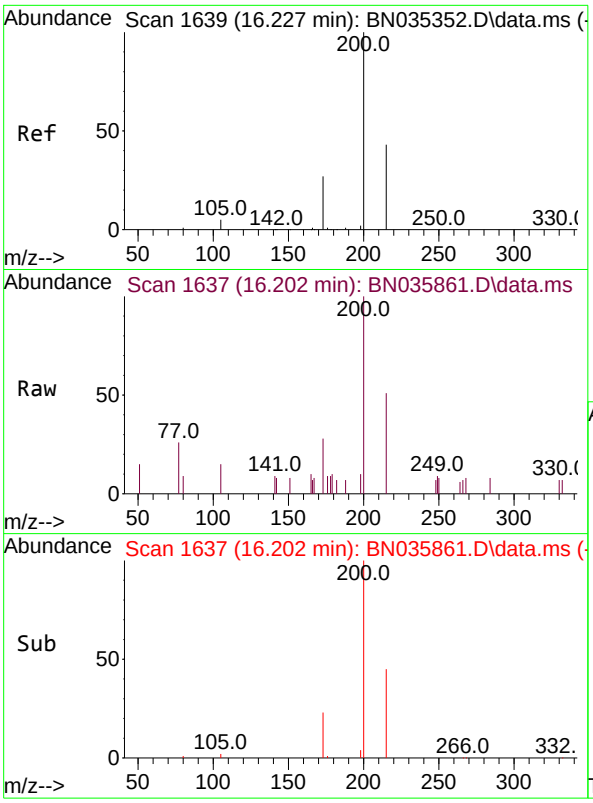


#22
Hexachlorobenzene
Concen: 0.468 ng
RT: 15.991 min Scan# 1620
Delta R.T. -0.025 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Tgt Ion:284 Resp: 3015

Ion	Ratio	Lower	Upper
284	100		
142	31.5	26.7	40.1
249	31.2	24.6	36.8



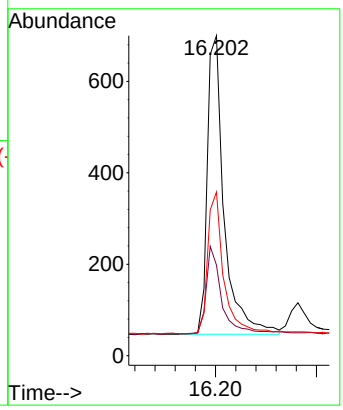


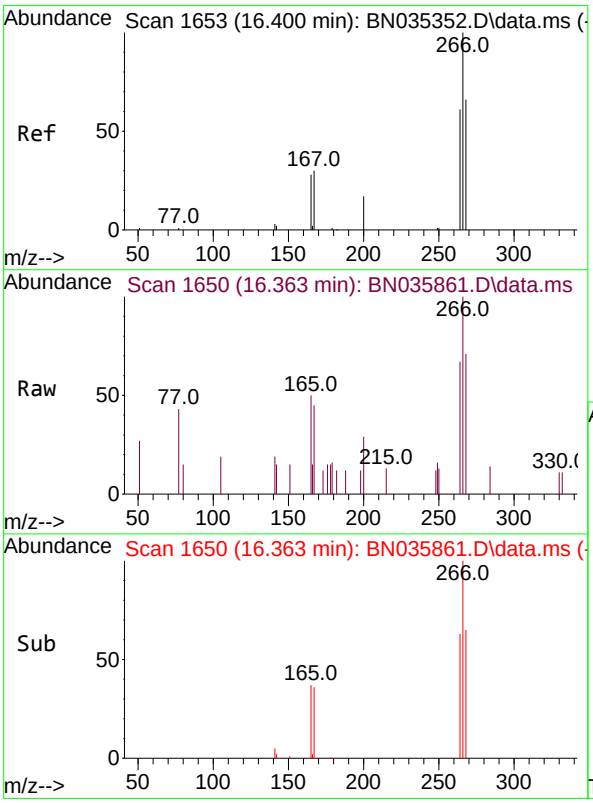
#23
Atrazine
Concen: 0.386 ng
RT: 16.202 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:200 Resp: 1507

Ion	Ratio	Lower	Upper
200	100		
173	28.3	24.1	36.1
215	51.1	36.9	55.3

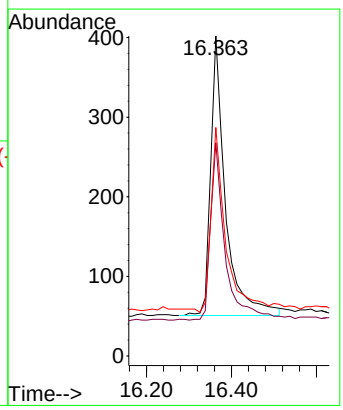


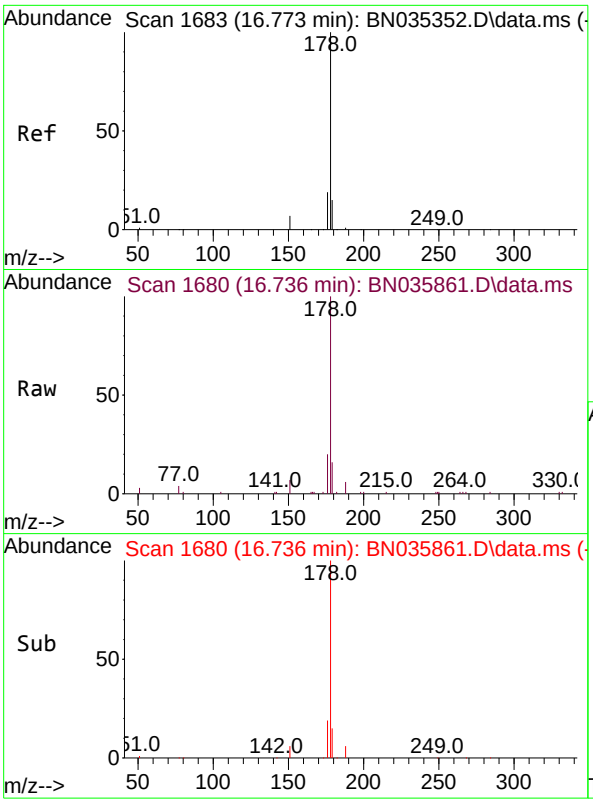


#24
Pentachlorophenol
Concen: 0.302 ng
RT: 16.363 min Scan# 1650
Delta R.T. -0.012 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Tgt Ion:266 Resp: 846

Ion	Ratio	Lower	Upper
266	100		
264	62.3	42.3	63.5
268	67.7	43.3	64.9#



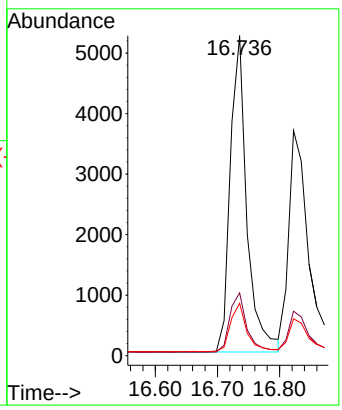


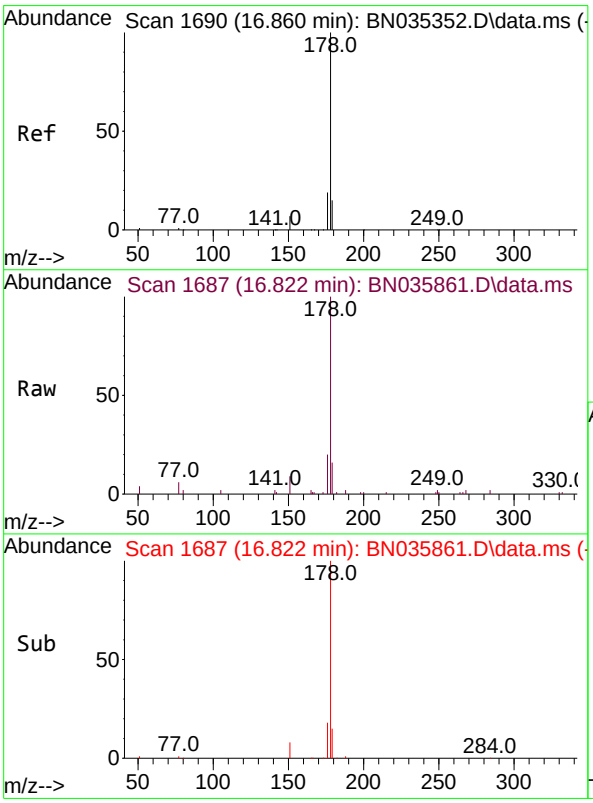
#25
Phenanthrene
Concen: 0.377 ng
RT: 16.736 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:178 Resp: 9697

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.2
179	15.3	12.3	18.5

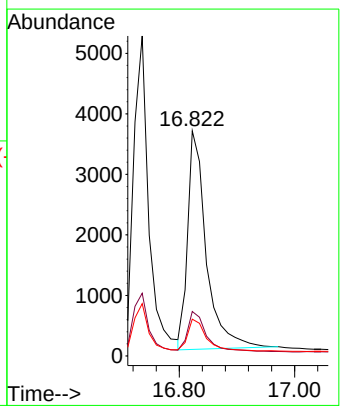


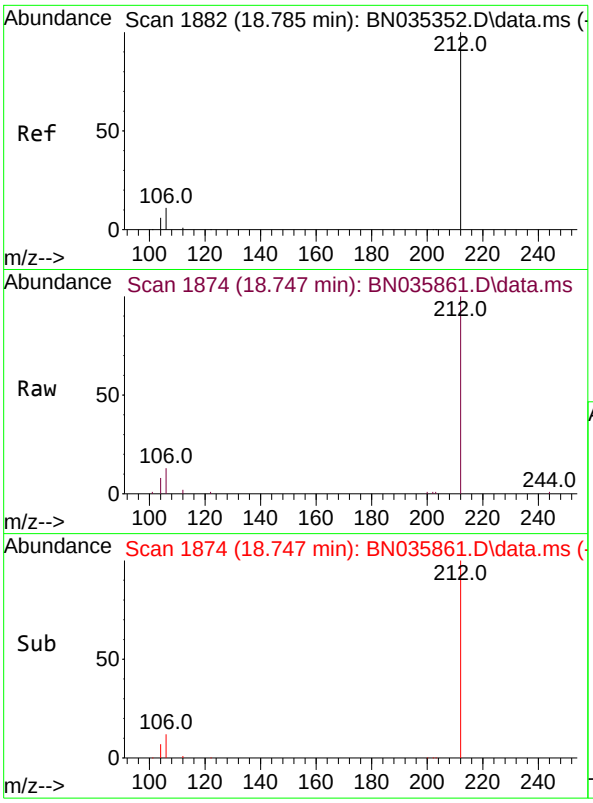


#26
Anthracene
Concen: 0.348 ng
RT: 16.822 min Scan# 1687
Delta R.T. -0.012 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Tgt Ion:178 Resp: 8100

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.0	22.6
179	15.3	12.6	18.8



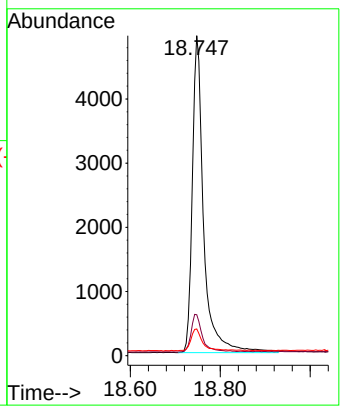


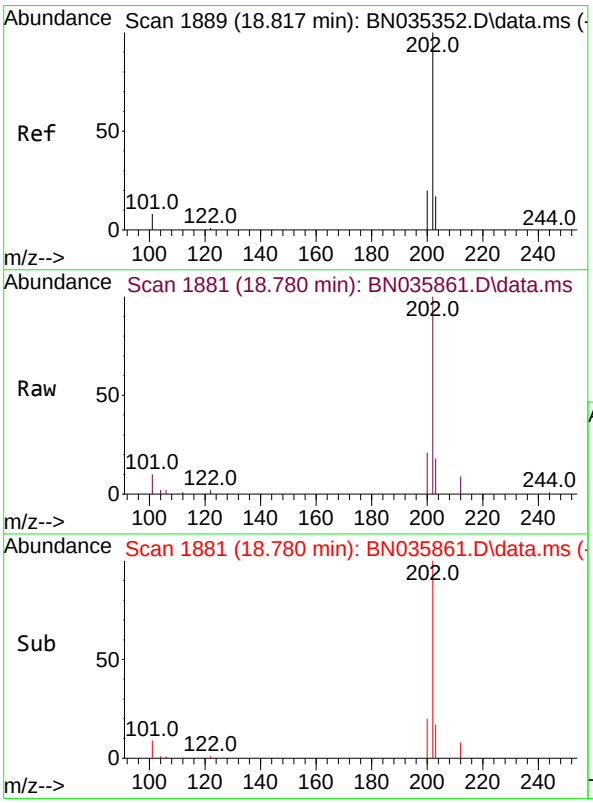
#27
Fluoranthene-d10
Concen: 0.325 ng
RT: 18.747 min Scan# 1
Delta R.T. -0.014 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:212 Resp: 8643

Ion	Ratio	Lower	Upper
212	100		
106	11.7	9.2	13.8
104	7.0	5.3	7.9

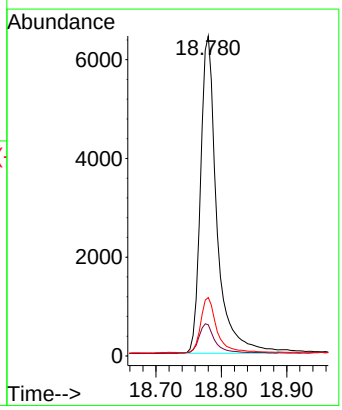


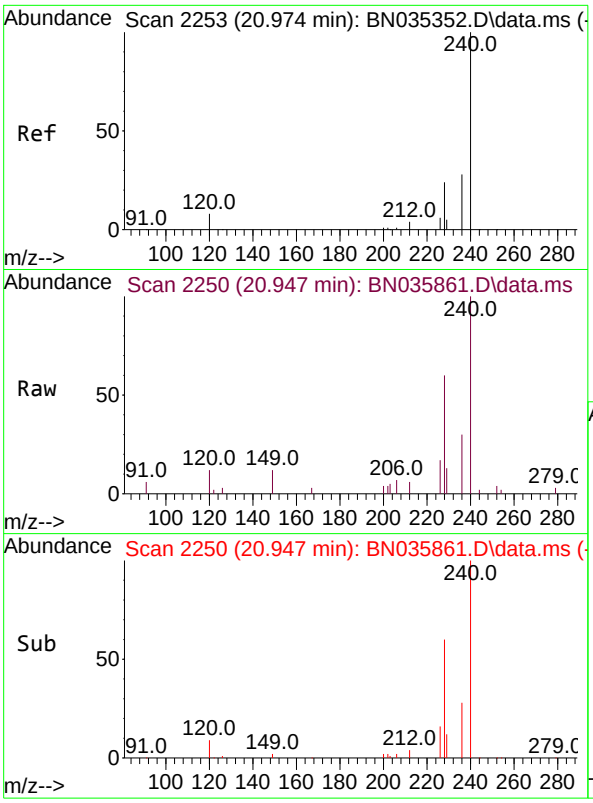


#28
Fluoranthene
Concen: 0.321 ng
RT: 18.780 min Scan# 1881
Delta R.T. -0.009 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Tgt Ion:202 Resp: 11145

Ion	Ratio	Lower	Upper
202	100		
101	9.7	7.4	11.0
203	17.4	13.7	20.5



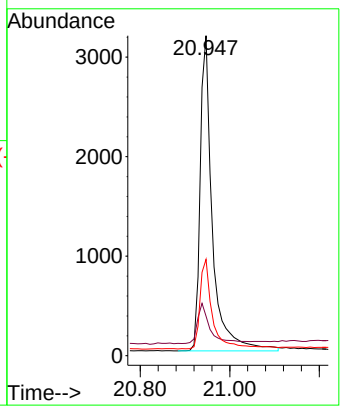


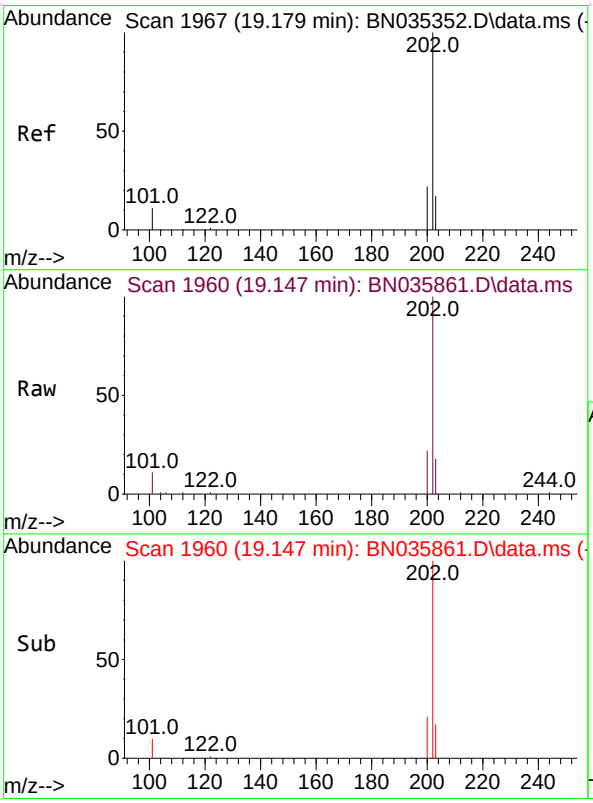
#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.947 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:240 Resp: 6021

Ion	Ratio	Lower	Upper
240	100		
120	12.3	7.9	11.9#
236	30.1	22.9	34.3

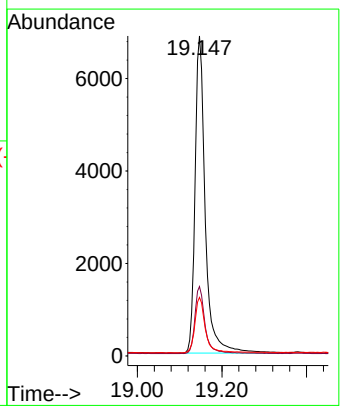


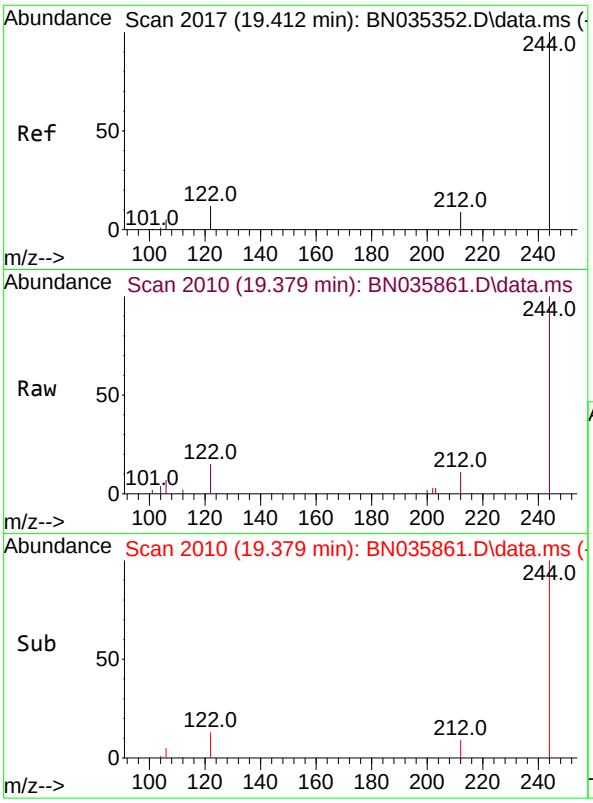


#30
Pyrene
Concen: 0.517 ng
RT: 19.147 min Scan# 1960
Delta R.T. -0.014 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Tgt Ion:202 Resp: 11492

Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.0	25.4
203	18.0	14.3	21.5



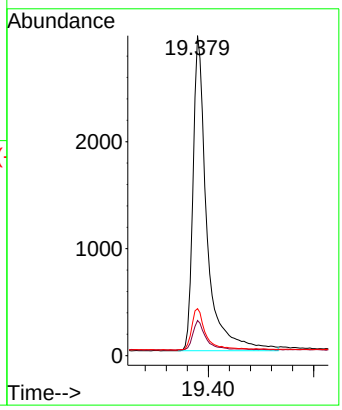


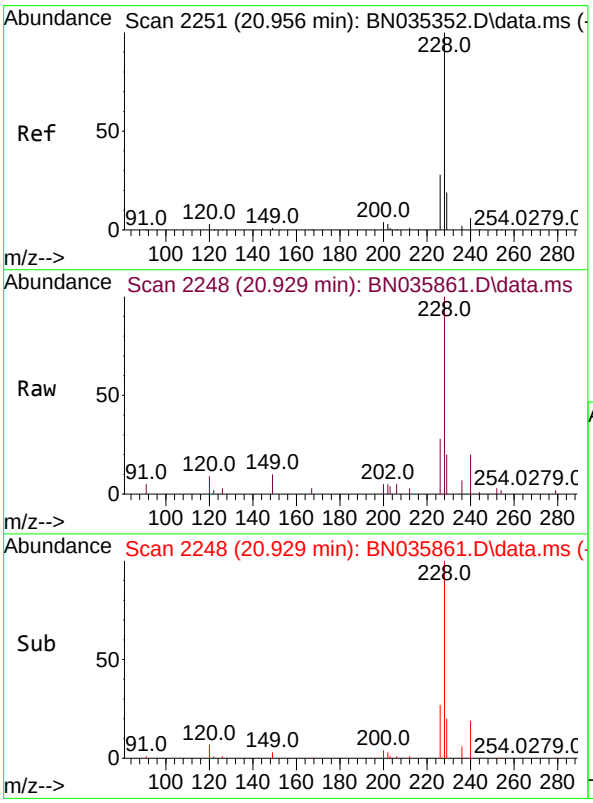
#31
Terphenyl-d14
Concen: 0.455 ng
RT: 19.379 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:244 Resp: 5407

Ion	Ratio	Lower	Upper
244	100		
212	11.0	8.1	12.1
122	14.7	10.3	15.5

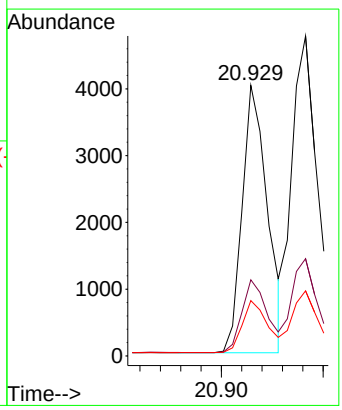


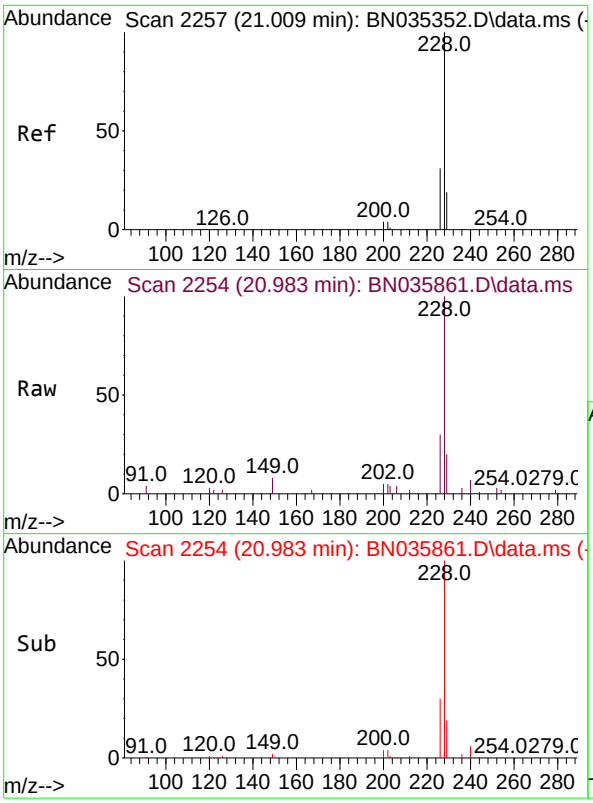


#32
Benzo(a)anthracene
Concen: 0.328 ng
RT: 20.929 min Scan# 2248
Delta R.T. -0.009 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Tgt Ion:228 Resp: 6901

Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.5	33.7
229	20.5	15.8	23.8



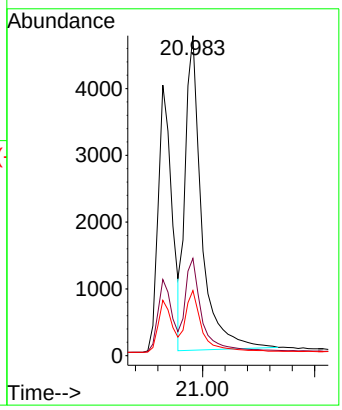


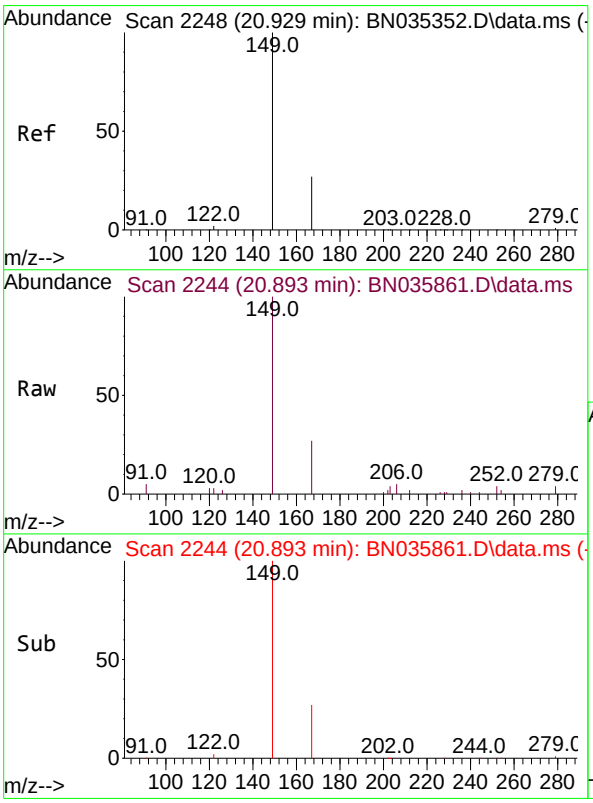
#33
Chrysene
Concen: 0.441 ng
RT: 20.983 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:228 Resp: 9578

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.6	37.0
229	20.3	15.9	23.9

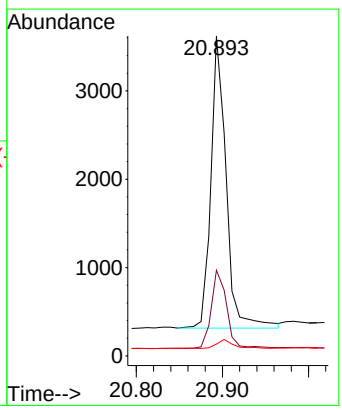


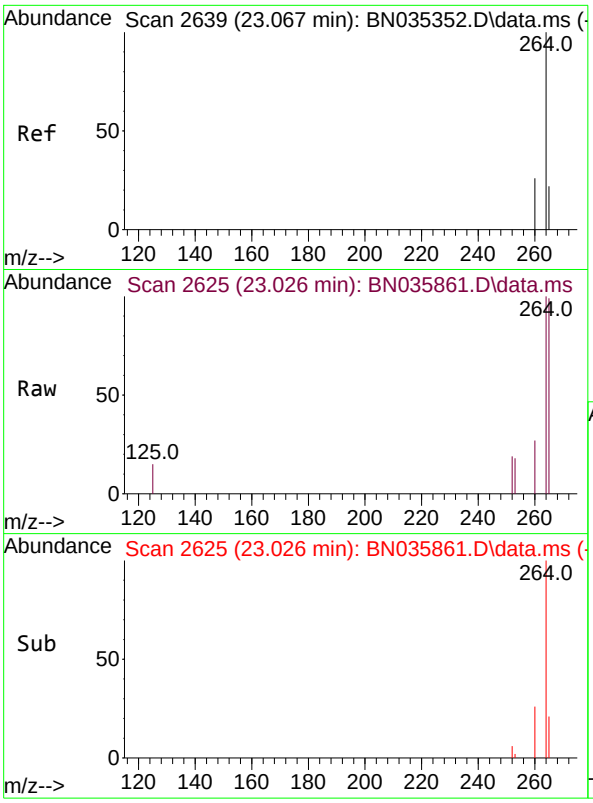


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.489 ng
RT: 20.893 min Scan# 2244
Delta R.T. -0.018 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Tgt Ion:149 Resp: 4069

Ion	Ratio	Lower	Upper
149	100		
167	27.2	22.2	33.4
279	3.2	2.7	4.1



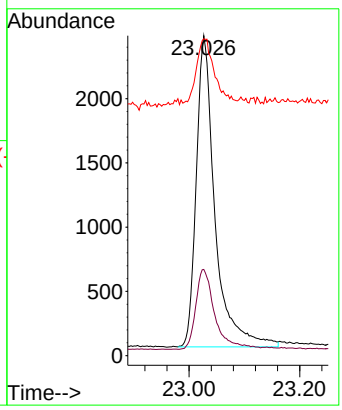


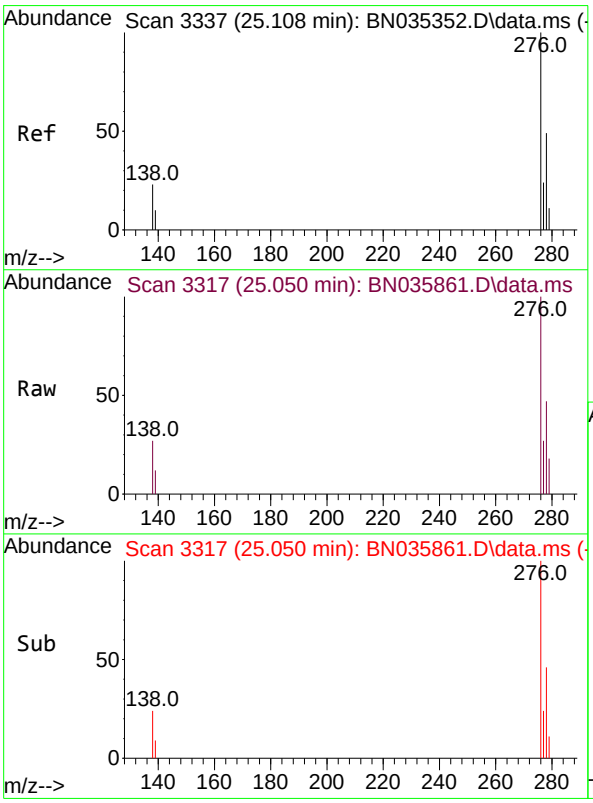
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.026 min Scan# 2
Delta R.T. -0.015 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:264 Resp: 5699

Ion	Ratio	Lower	Upper
264	100		
260	26.9	21.4	32.2
265	99.1	40.2	60.4#

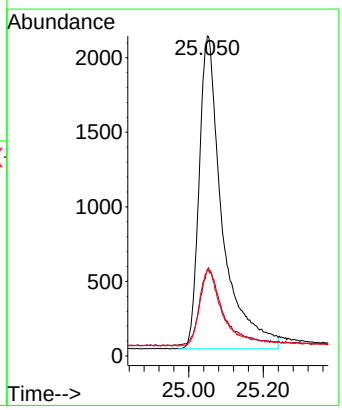


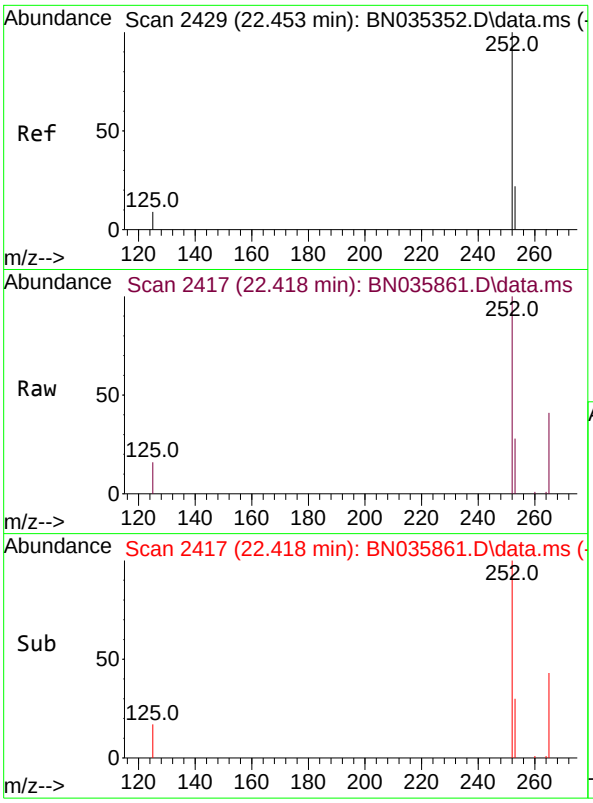


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.405 ng
RT: 25.050 min Scan# 3317
Delta R.T. -0.018 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Tgt Ion:276 Resp: 9030

Ion	Ratio	Lower	Upper
276	100		
138	24.8	19.4	29.0
277	23.4	19.8	29.6



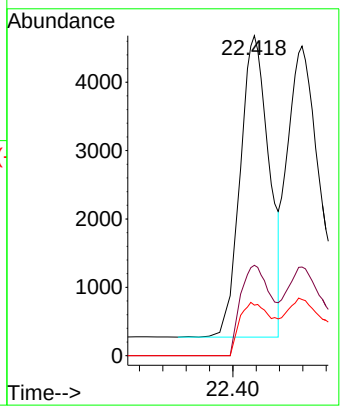


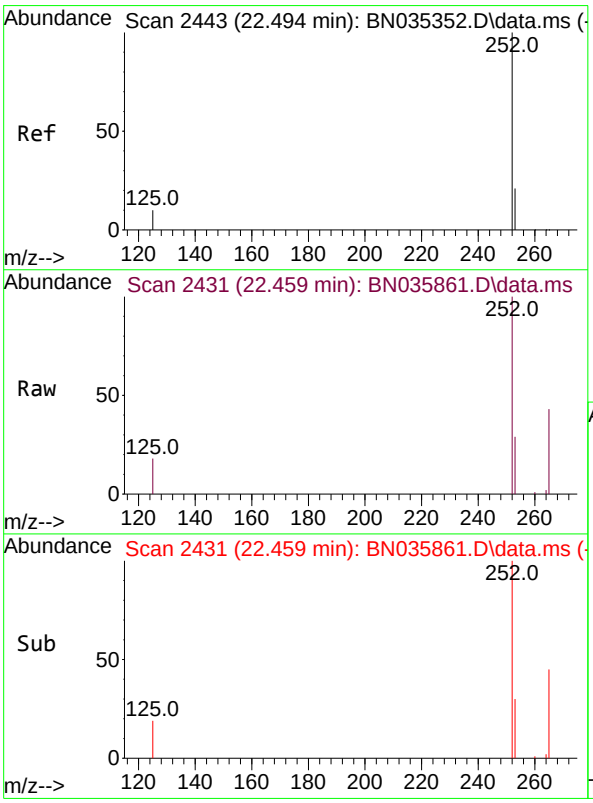
#37
Benzo(b)fluoranthene
Concen: 0.566 ng
RT: 22.418 min Scan# 24
Delta R.T. -0.012 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 11803

Ion	Ratio	Lower	Upper
252	100		
253	28.3	19.6	29.4
125	15.8	9.6	14.4#

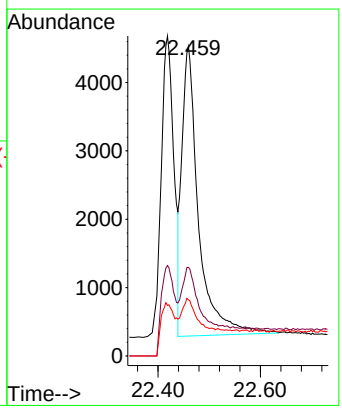


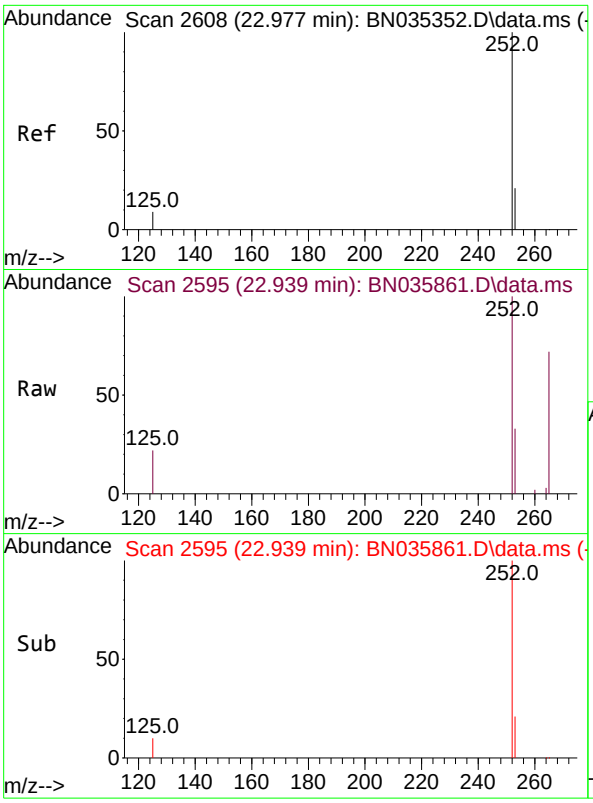


#38
Benzo(k)fluoranthene
Concen: 0.470 ng
RT: 22.459 min Scan# 2431
Delta R.T. -0.012 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Tgt Ion:252 Resp: 9638

Ion	Ratio	Lower	Upper
252	100		
253	28.6	19.5	29.3
125	18.2	10.2	15.4#



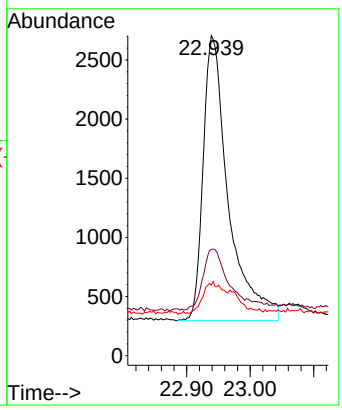


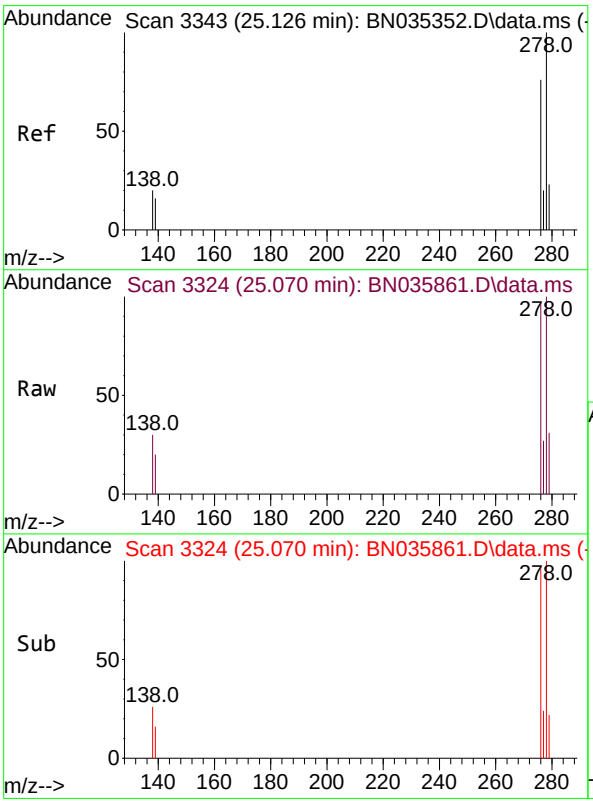
#39
Benzo(a)pyrene
Concen: 0.387 ng
RT: 22.939 min Scan# 2
Delta R.T. -0.012 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 6641

Ion	Ratio	Lower	Upper
252	100		
253	33.2	20.2	30.4#
125	22.1	10.9	16.3#

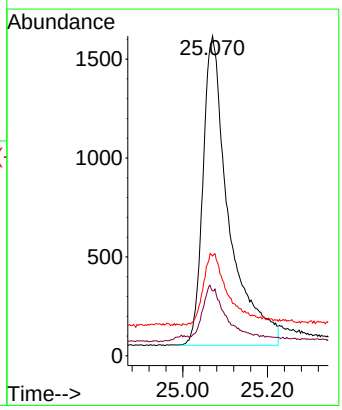


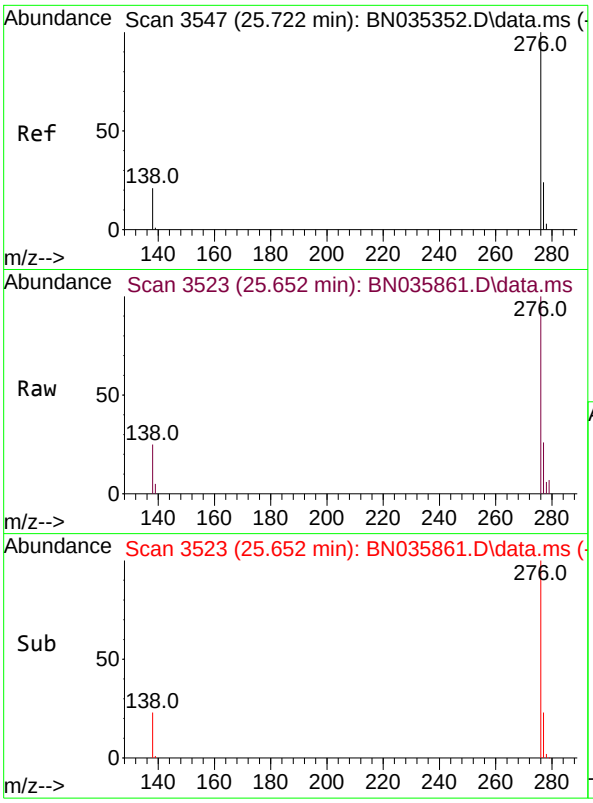


#40
Dibenzo(a,h)anthracene
Concen: 0.377 ng
RT: 25.070 min Scan# 3324
Delta R.T. -0.012 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Tgt Ion:278 Resp: 6633

Ion	Ratio	Lower	Upper
278	100		
139	20.3	14.2	21.4
279	31.2	20.5	30.7#





#41
Benzo(g,h,i)perylene
Concen: 0.452 ng
RT: 25.652 min Scan# 3
Delta R.T. -0.026 min
Lab File: BN035861.D
Acq: 26 Dec 2024 19:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 8300

Ion	Ratio	Lower	Upper
276	100		
277	26.3	19.9	29.9
138	25.5	17.8	26.8