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 : Q3095

ATTENTION : Eleanor Vivadou

Laboratory Certification ID # 20012

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Cover Page

Order ID : Q3095

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

Client : AECOM Technical Services, Inc.

Lab Sample Number	Client Sample Number
Q3095-01	MW305I-20250908
Q3095-02	MW179D-20250908
Q3095-03	MW201D-20250908
Q3095-04	MW179D1-20250908
Q3095-05	MW203D2-20250909
Q3095-06	MW203D2-20250909MS
Q3095-07	MW203D2-20250909MSD
Q3095-08	MW203D1-20250909
Q3095-09	MW179D2-20250909
Q3095-10	MW201D1-20250909
Q3095-11	RE122D1-20250909
Q3095-12	MW202D-20250909
Q3095-13	MW178I1-20250909
Q3095-14	RE123D1-20250909
Q3095-15	RE123D3-20250909
Q3095-16	MW305D-20250909
Q3095-17	DUP01-20250909
Q3095-18	RE126D2-20250909
Q3095-19	RE126D3-20250909
Q3095-20	MW178S-20250910
Q3095-21	RE126D1-20250910
Q3095-22	MW202D1-20250910
Q3095-23	RE104D2-20250910
Q3095-24	MW178I-20250910
Q3095-25	DUP02-20250910
Q3095-26	DUP03-20250910
Q3095-27	RE117D1-20250910
Q3095-28	RE104D3-20250910
Q3095-29	RE122D2-20250910

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
By Nimisha Pandya, QA/QC Supervisor at 10:58 am, Sep 24, 2025

Date: 9/23/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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Cover Page

Order ID : Q3095

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

Client : AECOM Technical Services, Inc.

Lab Sample Number	Client Sample Number
Q3095-30	RE104D1-20250910
Q3095-31	TT180D-20250911
Q3095-32	RE122D3-20250911
Q3095-33	TB01-20250911
Q3095-34	TB02-20250911

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
By Nimisha Pandya, QA/QC Supervisor at 10:59 am, Sep 24, 2025

Date: 9/23/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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

CASE NARRATIVE

AECOM Technical Services, Inc.
Project Name: NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258
Project # N/A
Order ID # Q3095
Test Name: SVOC-SIMGroup1

A. Number of Samples and Date of Receipt:
32 Water samples were received on 09/12/2025.

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

C. Analytical Techniques:
The samples were analyzed on instrument BNA_N using GC Column ZB-Semi Volatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGA. The 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 were met for all analysis.
The Internal Standards Areas were met for all analysis except for RE104D3-20250910, The above failure Internal Standard not associated with the client parameters list, therefore no corrective action was taken.

The Retention Times were met for all analysis.

The MS {Q3095-06MS} with File ID: BN037743.D recoveries met the requirements for all compounds except for 1,4-Dioxane[30%], due to Matrix interference therefore no corrective action needed .

The MSD {Q3095-07MSD} with File ID: BN037744.D recoveries met the requirements for all compounds except for 1,4-Dioxane[27%], due to Matrix interference therefore no corrective action needed.

The RPD were met for all analysis.
The Blank Spike met requirements for all compounds.
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements.
The Continuous Calibration met the requirements.
The Tuning criteria met requirements.

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Sample MW201D-20250908 was diluted due to high concentration.

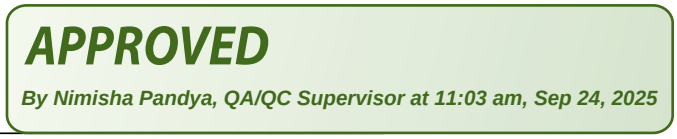
E. Additional Comments:
The sample # MW203D2-20250909MS and MW203D2-20250909MSD is failing for cis-1,2-Dichloroethene and the original sample(MW203D2-20250909) is reported with M flag for this compounds.

The Sample MW202D-20250909, have the concentration of target compound below method detection limits; therefore it is not reported as Hit in Form1.
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 <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

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

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

Signature 

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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

ORDER ID: Q3095 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 met the requirements.			✓
6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7.	Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges. The Surrogate recoveries were met for all analysis.		✓	
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 MS {Q3095-06MS} with File ID: BN037743.D recoveries met the requirements for all compounds except for 1,4-Dioxane[30%], due to Matrix interference therefore no corrective action needed . The MSD {Q3095-07MSD} with File ID: BN037744.D recoveries met the requirements for all compounds except for 1,4-Dioxane[27%], due to Matrix interference therefore no corrective action needed . The Blank Spike met requirements for all compounds.		✓	

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

		NA	NO	YES
9.	Internal Standard Area/Retention Time Shift Meet Criteria		✓	
	Comments: The Internal Standards Areas were met for all analysis except for RE104D3-20250910, The above failure Internal Standard not associated with the client parameters list, therefore no corrective action was taken.			
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 # MW203D2-20250909MS and MW203D2-20250909MSD is failing for cis-1,2-Dichloroethene and the original sample(MW203D2-20250909) is reported with M flag for this compounds.

The Sample MW202D-20250909, have the concentration of target compound below method detection limits; therefore it is not reported as Hit in Form1

Sample MW201D-20250908 was diluted due to high concentration.

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

QA REVIEW

REVIEWED
By Sohil Jodhani, QA/QC Director at 10:14 am, Sep 24, 2025

Date

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q3095

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

QA Review Signature: SOHIL JODHANI **Date:** 09/23/2025

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LAB CHRONICLE

OrderID:	Q3095	**OrderDate:**	9/12/2025 12:38:00 PM
Client:	AECOM Technical Services, Inc.	**Project:**	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258
Contact:	Eleanor Vivadou	**Location:**	D31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3095-01	**MW305I-20250908**	**Water**			**09/08/25**			**09/12/25**
			SVOC-SIMGroup1	8270-Modified		09/15/25	09/17/25	
Q3095-02	**MW179D-20250908**	**Water**			**09/08/25**			**09/12/25**
			SVOC-SIMGroup1	8270-Modified		09/15/25	09/17/25	
Q3095-03	**MW201D-20250908**	**Water**			**09/08/25**			**09/12/25**
			SVOC-SIMGroup1	8270-Modified		09/15/25	09/17/25	
Q3095-03DL	**MW201D-20250908DL**	**Water**			**09/08/25**			**09/12/25**
			SVOC-SIMGroup1	8270-Modified		09/15/25	09/18/25	
Q3095-04	**MW179D1-20250908**	**Water**			**09/08/25**			**09/12/25**
			SVOC-SIMGroup1	8270-Modified		09/15/25	09/17/25	
Q3095-05	**MW203D2-20250909**	**Water**			**09/09/25**			**09/12/25**
			SVOC-SIMGroup1	8270-Modified		09/15/25	09/17/25	
Q3095-08	**MW203D1-20250909**	**Water**			**09/09/25**			**09/12/25**
			SVOC-SIMGroup1	8270-Modified		09/15/25	09/17/25	
Q3095-09	**MW179D2-20250909**	**Water**			**09/09/25**			**09/12/25**
			SVOC-SIMGroup1	8270-Modified		09/15/25	09/17/25	
Q3095-10	**MW201D1-20250909**	**Water**			**09/09/25**			**09/12/25**
			SVOC-SIMGroup1	8270-Modified		09/15/25	09/17/25	
Q3095-11	**RE122D1-20250909**	**Water**			**09/09/25**			**09/12/25**
			SVOC-SIMGroup1	8270-Modified		09/15/25	09/17/25	
Q3095-12	**MW202D-20250909**	**Water**			**09/09/25**			**09/12/25**
			SVOC-SIMGroup1	8270-Modified		09/15/25	09/18/25	
Q3095-13	**MW178I1-20250909**	**Water**			**09/09/25**			**09/12/25**

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LAB CHRONICLE

			SVOC-SIMGroup1	8270-Modified		09/15/25	09/17/25	
Q3095-14	**RE123D1-20250909**	**Water**			**09/09/25**			**09/12/25**
			SVOC-SIMGroup1	8270-Modified		09/15/25	09/18/25	
Q3095-15	**RE123D3-20250909**	**Water**			**09/09/25**			**09/12/25**
			SVOC-SIMGroup1	8270-Modified		09/15/25	09/18/25	
Q3095-16	**MW305D-20250909**	**Water**			**09/09/25**			**09/12/25**
			SVOC-SIMGroup1	8270-Modified		09/15/25	09/18/25	
Q3095-17	**DUP01-20250909**	**Water**			**09/09/25**			**09/12/25**
			SVOC-SIMGroup1	8270-Modified		09/15/25	09/18/25	
Q3095-18	**RE126D2-20250909**	**Water**			**09/09/25**			**09/12/25**
			SVOC-SIMGroup1	8270-Modified		09/15/25	09/18/25	
Q3095-19	**RE126D3-20250909**	**Water**			**09/09/25**			**09/12/25**
			SVOC-SIMGroup1	8270-Modified		09/15/25	09/18/25	
Q3095-20	**MW178S-20250910**	**Water**			**09/10/25**			**09/12/25**
			SVOC-SIMGroup1	8270-Modified		09/15/25	09/18/25	
Q3095-21	**RE126D1-20250910**	**Water**			**09/10/25**			**09/12/25**
			SVOC-SIMGroup1	8270-Modified		09/15/25	09/18/25	
Q3095-22	**MW202D1-20250910**	**Water**			**09/10/25**			**09/12/25**
			SVOC-SIMGroup1	8270-Modified		09/15/25	09/18/25	
Q3095-23	**RE104D2-20250910**	**Water**			**09/10/25**			**09/12/25**
			SVOC-SIMGroup1	8270-Modified		09/15/25	09/18/25	
Q3095-24	**MW178I-20250910**	**Water**			**09/10/25**			**09/12/25**
			SVOC-SIMGroup1	8270-Modified		09/15/25	09/18/25	
Q3095-25	**DUP02-20250910**	**Water**			**09/10/25**			**09/12/25**
			SVOC-SIMGroup1	8270-Modified		09/15/25	09/18/25	
Q3095-26	**DUP03-20250910**	**Water**			**09/10/25**			**09/12/25**
			SVOC-SIMGroup1	8270-Modified		09/15/25	09/18/25	
Q3095-27	**RE117D1-20250910**	**Water**			**09/10/25**			**09/12/25**
			SVOC-SIMGroup1	8270-Modified		09/15/25	09/19/25	

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LAB CHRONICLE

Q3095-28	**RE104D3-20250910**	**Water**			**09/10/25**			**09/12/25**
			SVOC-SIMGroup1	8270-Modified		09/15/25	09/20/25	
Q3095-29	**RE122D2-20250910**	**Water**			**09/10/25**			**09/12/25**
			SVOC-SIMGroup1	8270-Modified		09/15/25	09/19/25	
Q3095-30	**RE104D1-20250910**	**Water**			**09/10/25**			**09/12/25**
			SVOC-SIMGroup1	8270-Modified		09/15/25	09/19/25	
Q3095-31	**TT180D-20250911**	**Water**			**09/11/25**			**09/12/25**
			SVOC-SIMGroup1	8270-Modified		09/15/25	09/19/25	
Q3095-32	**RE122D3-20250911**	**Water**			**09/11/25**			**09/12/25**
			SVOC-SIMGroup1	8270-Modified		09/15/25	09/19/25	

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Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: Q3095

Client: AECOM Technical Services, Inc.

Sample ID	Client ID		Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : MW305I-20250908									
Q3095-01	MW305I-20250908	WATER	1,4-Dioxane	0.430		0.07	0.2	0.2	ug/L
			Total Svoc :	**0.43**					
			Total Concentration:	**0.43**					
Client ID : MW179D-20250908									
Q3095-02	MW179D-20250908	WATER	1,4-Dioxane	0.160	J	0.07	0.2	0.2	ug/L
			Total Svoc :	**0.16**					
			Total Concentration:	**0.16**					
Client ID : MW201D-20250908									
Q3095-03	MW201D-20250908	WATER	1,4-Dioxane	5.900	E	0.07	0.2	0.2	ug/L
			Total Svoc :	**5.90**					
			Total Concentration:	**5.90**					
Client ID : MW201D-20250908DL									
Q3095-03DL	MW201D-20250908DL	WATER	1,4-Dioxane	5.700	D	0.13	0.4	0.4	ug/L
			Total Svoc :	**5.70**					
			Total Concentration:	**5.70**					
Client ID : MW179D1-20250908									
Q3095-04	MW179D1-20250908	WATER	1,4-Dioxane	0.220		0.07	0.2	0.2	ug/L
			Total Svoc :	**0.22**					
			Total Concentration:	**0.22**					
Client ID : MW203D2-20250909									
Q3095-05	MW203D2-20250909	WATER	1,4-Dioxane	0.850	M	0.07	0.2	0.2	ug/L
			Total Svoc :	**0.85**					
			Total Concentration:	**0.85**					
Client ID : MW203D1-20250909									
Q3095-08	MW203D1-20250909	WATER	1,4-Dioxane	0.950		0.07	0.2	0.2	ug/L
			Total Svoc :	**0.95**					
			Total Concentration:	**0.95**					
Client ID : MW179D2-20250909									
Q3095-09	MW179D2-20250909	WATER	1,4-Dioxane	0.620		0.07	0.21	0.21	ug/L
			Total Svoc :	**0.62**					
			Total Concentration:	**0.62**					
Client ID : MW201D1-20250909									
Q3095-10	MW201D1-20250909	WATER	1,4-Dioxane	0.070	J	0.07	0.2	0.2	ug/L
			Total Svoc :	**0.07**					

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Hit Summary Sheet
SW-846

SDG No.: Q3095

Client: AECOM Technical Services, Inc.

Sample ID	Client ID		Parameter	Concentration	C	MDL	LOD	RDL	Units
			Total Concentration:			**0.07**			
Client ID :	**RE122D1-20250909**								
Q3095-11	RE122D1-20250909	WATER	1,4-Dioxane	2.800		0.07	0.2	0.2	ug/L
			Total Svoc :			**2.80**			
			Total Concentration:			**2.80**			
Client ID :	**MW178I1-20250909**								
Q3095-13	MW178I1-20250909	WATER	1,4-Dioxane	0.660		0.07	0.2	0.2	ug/L
			Total Svoc :			**0.66**			
			Total Concentration:			**0.66**			
Client ID :	**RE123D1-20250909**								
Q3095-14	RE123D1-20250909	WATER	1,4-Dioxane	0.740		0.07	0.21	0.21	ug/L
			Total Svoc :			**0.74**			
			Total Concentration:			**0.74**			
Client ID :	**MW305D-20250909**								
Q3095-16	MW305D-20250909	WATER	1,4-Dioxane	0.530		0.07	0.2	0.2	ug/L
			Total Svoc :			**0.53**			
			Total Concentration:			**0.53**			
Client ID :	**DUP01-20250909**								
Q3095-17	DUP01-20250909	WATER	1,4-Dioxane	0.520		0.07	0.2	0.2	ug/L
			Total Svoc :			**0.52**			
			Total Concentration:			**0.52**			
Client ID :	**RE126D2-20250909**								
Q3095-18	RE126D2-20250909	WATER	1,4-Dioxane	2.600		0.07	0.2	0.2	ug/L
			Total Svoc :			**2.60**			
			Total Concentration:			**2.60**			
Client ID :	**RE126D3-20250909**								
Q3095-19	RE126D3-20250909	WATER	1,4-Dioxane	0.430		0.07	0.2	0.2	ug/L
			Total Svoc :			**0.43**			
			Total Concentration:			**0.43**			
Client ID :	**MW178S-20250910**								
Q3095-20	MW178S-20250910	WATER	1,4-Dioxane	0.110	J	0.07	0.2	0.2	ug/L
			Total Svoc :			**0.11**			
			Total Concentration:			**0.11**			
Client ID :	**RE126D1-20250910**								
Q3095-21	RE126D1-20250910	WATER	1,4-Dioxane	2.200		0.07	0.2	0.2	ug/L
			Total Svoc :			**2.20**			

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Hit Summary Sheet
SW-846

SDG No.: Q3095

Client: AECOM Technical Services, Inc.

Sample ID	Client ID		Parameter	Concentration	C	MDL	LOD	RDL	Units
			Total Concentration:			**2.20**			
Client ID :	**RE104D2-20250910**								
Q3095-23	RE104D2-20250910	WATER	1,4-Dioxane	2.100		0.07	0.2	0.2	ug/L
			Total Svoc :			**2.10**			
			Total Concentration:			**2.10**			
Client ID :	**MW178I-20250910**								
Q3095-24	MW178I-20250910	WATER	1,4-Dioxane	0.120	J	0.07	0.2	0.2	ug/L
			Total Svoc :			**0.12**			
			Total Concentration:			**0.12**			
Client ID :	**DUP02-20250910**								
Q3095-25	DUP02-20250910	WATER	1,4-Dioxane	3.400		0.07	0.21	0.21	ug/L
			Total Svoc :			**3.40**			
			Total Concentration:			**3.40**			
Client ID :	**DUP03-20250910**								
Q3095-26	DUP03-20250910	WATER	1,4-Dioxane	0.110	J	0.07	0.2	0.2	ug/L
			Total Svoc :			**0.11**			
			Total Concentration:			**0.11**			
Client ID :	**RE117D1-20250910**								
Q3095-27	RE117D1-20250910	WATER	1,4-Dioxane	0.740		0.07	0.2	0.2	ug/L
			Total Svoc :			**0.74**			
			Total Concentration:			**0.74**			
Client ID :	**RE122D2-20250910**								
Q3095-29	RE122D2-20250910	WATER	1,4-Dioxane	3.800		0.07	0.2	0.2	ug/L
			Total Svoc :			**3.80**			
			Total Concentration:			**3.80**			
Client ID :	**RE104D1-20250910**								
Q3095-30	RE104D1-20250910	WATER	1,4-Dioxane	3.000		0.07	0.2	0.2	ug/L
			Total Svoc :			**3.00**			
			Total Concentration:			**3.00**			
Client ID :	**TT180D-20250911**								
Q3095-31	TT180D-20250911	WATER	1,4-Dioxane	0.110	J	0.07	0.2	0.2	ug/L
			Total Svoc :			**0.11**			
			Total Concentration:			**0.11**			

QC SUMMARY

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Surrogate Summary

SW-846

SDG No.: Q3095

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
PB169692BL	PB169692BL	2-Methylnaphthalene-d10	0.4	0.31	79		30	150
		Fluoranthene-d10	0.4	0.30	75		30	150
		Nitrobenzene-d5	0.4	0.39	97		55	111
		2-Fluorobiphenyl	0.4	0.37	92		53	106
		Terphenyl-d14	0.4	0.34	84		58	132
PB169692BS	PB169692BS	2-Methylnaphthalene-d10	0.4	0.30	76		30	150
		Fluoranthene-d10	0.4	0.30	75		30	150
		Nitrobenzene-d5	0.4	0.35	88		55	111
		2-Fluorobiphenyl	0.4	0.36	90		53	106
		Terphenyl-d14	0.4	0.31	78		58	132
Q3095-01	MW305I-20250908	2-Methylnaphthalene-d10	0.4	0.29	72		30	150
		Fluoranthene-d10	0.4	0.35	88		30	150
		Nitrobenzene-d5	0.4	0.32	80		55	111
		2-Fluorobiphenyl	0.4	0.33	83		53	106
		Terphenyl-d14	0.4	0.42	105		58	132
Q3095-02	MW179D-20250908	2-Methylnaphthalene-d10	0.4	0.32	80		30	150
		Fluoranthene-d10	0.4	0.35	88		30	150
		Nitrobenzene-d5	0.4	0.35	86		55	111
		2-Fluorobiphenyl	0.4	0.37	91		53	106
		Terphenyl-d14	0.4	0.42	105		58	132
Q3095-03	MW201D-20250908	2-Methylnaphthalene-d10	0.4	0.30	74		30	150
		Fluoranthene-d10	0.4	0.36	91		30	150
		Nitrobenzene-d5	0.4	0.33	82		55	111
		2-Fluorobiphenyl	0.4	0.33	83		53	106
		Terphenyl-d14	0.4	0.39	98		58	132
Q3095-03DL	MW201D-20250908DL	2-Methylnaphthalene-d10	0.4	0.29	73		30	150
		Fluoranthene-d10	0.4	0.33	81		30	150
		Nitrobenzene-d5	0.4	0.33	82		55	111
		2-Fluorobiphenyl	0.4	0.32	81		53	106
		Terphenyl-d14	0.4	0.41	101		58	132
Q3095-04	MW179D1-20250908	2-Methylnaphthalene-d10	0.4	0.32	79		30	150
		Fluoranthene-d10	0.4	0.38	95		30	150
		Nitrobenzene-d5	0.4	0.35	88		55	111
		2-Fluorobiphenyl	0.4	0.36	90		53	106
		Terphenyl-d14	0.4	0.43	107		58	132
Q3095-05	MW203D2-20250909	2-Methylnaphthalene-d10	0.4	0.29	72		30	150
		Fluoranthene-d10	0.4	0.34	84		30	150
		Nitrobenzene-d5	0.4	0.30	76		55	111
		2-Fluorobiphenyl	0.4	0.31	77		53	106
		Terphenyl-d14	0.4	0.50	124		58	132
Q3095-06MS	MW203D2-20250909MS	2-Methylnaphthalene-d10	0.4	0.29	72		30	150
		Fluoranthene-d10	0.4	0.33	83		30	150
		Nitrobenzene-d5	0.4	0.30	75		55	111
		2-Fluorobiphenyl	0.4	0.32	79		53	106
		Terphenyl-d14	0.4	0.40	99		58	132
Q3095-07MSD	MW203D2-20250909MSD	2-Methylnaphthalene-d10	0.4	0.30	74		30	150
		Fluoranthene-d10	0.4	0.33	83		30	150
		Nitrobenzene-d5	0.4	0.30	75		55	111
		2-Fluorobiphenyl	0.4	0.32	79		53	106
		Terphenyl-d14	0.4	0.40	99		58	132
Q3095-08	MW203D1-20250909	2-Methylnaphthalene-d10	0.4	0.30	75		30	150

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Surrogate Summary

SW-846

SDG No.: Q3095

Client: AECOM Technical Services, Inc.

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	High
Q3095-08	MW203D1-20250909	Fluoranthene-d10	0.4	0.37	92		30	150
		Nitrobenzene-d5	0.4	0.32	81		55	111
		2-Fluorobiphenyl	0.4	0.34	84		53	106
		Terphenyl-d14	0.4	0.47	117		58	132
Q3095-09	MW179D2-20250909	2-Methylnaphthalene-d10	0.4	0.30	74		30	150
		Fluoranthene-d10	0.4	0.35	87		30	150
		Nitrobenzene-d5	0.4	0.32	80		55	111
		2-Fluorobiphenyl	0.4	0.32	81		53	106
		Terphenyl-d14	0.4	0.40	99		58	132
Q3095-10	MW201D1-20250909	2-Methylnaphthalene-d10	0.4	0.29	72		30	150
		Fluoranthene-d10	0.4	0.37	94		30	150
		Nitrobenzene-d5	0.4	0.31	77		55	111
		2-Fluorobiphenyl	0.4	0.31	78		53	106
		Terphenyl-d14	0.4	0.37	92		58	132
Q3095-11	RE122D1-20250909	2-Methylnaphthalene-d10	0.4	0.34	84		30	150
		Fluoranthene-d10	0.4	0.37	93		30	150
		Nitrobenzene-d5	0.4	0.36	90		55	111
		2-Fluorobiphenyl	0.4	0.35	87		53	106
		Terphenyl-d14	0.4	0.46	116		58	132
Q3095-12	MW202D-20250909	2-Methylnaphthalene-d10	0.4	0.31	77		30	150
		Fluoranthene-d10	0.4	0.38	94		30	150
		Nitrobenzene-d5	0.4	0.34	84		55	111
		2-Fluorobiphenyl	0.4	0.35	87		53	106
		Terphenyl-d14	0.4	0.40	100		58	132
Q3095-13	MW178I1-20250909	2-Methylnaphthalene-d10	0.4	0.29	73		30	150
		Fluoranthene-d10	0.4	0.36	91		30	150
		Nitrobenzene-d5	0.4	0.31	78		55	111
		2-Fluorobiphenyl	0.4	0.32	80		53	106
		Terphenyl-d14	0.4	0.38	95		58	132
Q3095-14	RE123D1-20250909	2-Methylnaphthalene-d10	0.4	0.30	75		30	150
		Fluoranthene-d10	0.4	0.37	93		30	150
		Nitrobenzene-d5	0.4	0.32	79		55	111
		2-Fluorobiphenyl	0.4	0.31	79		53	106
		Terphenyl-d14	0.4	0.37	93		58	132
Q3095-15	RE123D3-20250909	2-Methylnaphthalene-d10	0.4	0.22	54		30	150
		Fluoranthene-d10	0.4	0.25	63		30	150
		Nitrobenzene-d5	0.4	0.23	58		55	111
		2-Fluorobiphenyl	0.4	0.23	58		53	106
		Terphenyl-d14	0.4	0.28	70		58	132
Q3095-16	MW305D-20250909	2-Methylnaphthalene-d10	0.4	0.29	72		30	150
		Fluoranthene-d10	0.4	0.38	96		30	150
		Nitrobenzene-d5	0.4	0.31	79		55	111
		2-Fluorobiphenyl	0.4	0.31	77		53	106
		Terphenyl-d14	0.4	0.39	97		58	132
Q3095-17	DUP01-20250909	2-Methylnaphthalene-d10	0.4	0.30	75		30	150
		Fluoranthene-d10	0.4	0.37	92		30	150
		Nitrobenzene-d5	0.4	0.33	81		55	111
		2-Fluorobiphenyl	0.4	0.33	83		53	106
		Terphenyl-d14	0.4	0.43	106		58	132
Q3095-18	RE126D2-20250909	2-Methylnaphthalene-d10	0.4	0.29	72		30	150
		Fluoranthene-d10	0.4	0.35	88		30	150

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Surrogate Summary

SW-846

SDG No.: Q3095

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
Q3095-18	RE126D2-20250909	Nitrobenzene-d5	0.4	0.31	76		55	111
		2-Fluorobiphenyl	0.4	0.32	79		53	106
		Terphenyl-d14	0.4	0.43	108		58	132
Q3095-19	RE126D3-20250909	2-Methylnaphthalene-d10	0.4	0.34	85		30	150
		Fluoranthene-d10	0.4	0.41	103		30	150
		Nitrobenzene-d5	0.4	0.37	93		55	111
		2-Fluorobiphenyl	0.4	0.38	95		53	106
		Terphenyl-d14	0.4	0.48	120		58	132
Q3095-20	MW178S-20250910	2-Methylnaphthalene-d10	0.4	0.26	64		30	150
		Fluoranthene-d10	0.4	0.30	76		30	150
		Nitrobenzene-d5	0.4	0.28	71		55	111
		2-Fluorobiphenyl	0.4	0.28	71		53	106
		Terphenyl-d14	0.4	0.29	74		58	132

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Surrogate Summary

SW-846

SDG No.: Q3095

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
PB169693BL	PB169693BL	2-Methylnaphthalene-d10	0.4	0.33	82		30	150
		Fluoranthene-d10	0.4	0.32	80		30	150
		Nitrobenzene-d5	0.4	0.38	96		55	111
		2-Fluorobiphenyl	0.4	0.40	99		53	106
		Terphenyl-d14	0.4	0.36	90		58	132
PB169693BS	PB169693BS	2-Methylnaphthalene-d10	0.4	0.31	77		30	150
		Fluoranthene-d10	0.4	0.29	73		30	150
		Nitrobenzene-d5	0.4	0.36	90		55	111
		2-Fluorobiphenyl	0.4	0.37	92		53	106
		Terphenyl-d14	0.4	0.32	81		58	132
Q3095-21	RE126D1-20250910	2-Methylnaphthalene-d10	0.4	0.28	70		30	150
		Fluoranthene-d10	0.4	0.35	86		30	150
		Nitrobenzene-d5	0.4	0.32	79		55	111
		2-Fluorobiphenyl	0.4	0.30	74		53	106
		Terphenyl-d14	0.4	0.36	90		58	132
Q3095-22	MW202D1-20250910	2-Methylnaphthalene-d10	0.4	0.34	86		30	150
		Fluoranthene-d10	0.4	0.36	90		30	150
		Nitrobenzene-d5	0.4	0.37	93		55	111
		2-Fluorobiphenyl	0.4	0.38	94		53	106
		Terphenyl-d14	0.4	0.39	98		58	132
Q3095-23	RE104D2-20250910	2-Methylnaphthalene-d10	0.4	0.32	81		30	150
		Fluoranthene-d10	0.4	0.38	95		30	150
		Nitrobenzene-d5	0.4	0.35	88		55	111
		2-Fluorobiphenyl	0.4	0.35	86		53	106
		Terphenyl-d14	0.4	0.40	99		58	132
Q3095-24	MW178I-20250910	2-Methylnaphthalene-d10	0.4	0.28	69		30	150
		Fluoranthene-d10	0.4	0.33	81		30	150
		Nitrobenzene-d5	0.4	0.31	76		55	111
		2-Fluorobiphenyl	0.4	0.31	77		53	106
		Terphenyl-d14	0.4	0.39	97		58	132
Q3095-25	DUP02-20250910	2-Methylnaphthalene-d10	0.4	0.30	75		30	150
		Fluoranthene-d10	0.4	0.34	84		30	150
		Nitrobenzene-d5	0.4	0.33	83		55	111
		2-Fluorobiphenyl	0.4	0.33	83		53	106
		Terphenyl-d14	0.4	0.43	108		58	132
Q3095-26	DUP03-20250910	2-Methylnaphthalene-d10	0.4	0.32	80		30	150
		Fluoranthene-d10	0.4	0.35	88		30	150
		Nitrobenzene-d5	0.4	0.35	88		55	111
		2-Fluorobiphenyl	0.4	0.37	92		53	106
		Terphenyl-d14	0.4	0.39	96		58	132
Q3095-27	RE117D1-20250910	2-Methylnaphthalene-d10	0.4	0.35	87		30	150
		Fluoranthene-d10	0.4	0.39	98		30	150
		Nitrobenzene-d5	0.4	0.41	103		55	111
		2-Fluorobiphenyl	0.4	0.40	101		53	106
		Terphenyl-d14	0.4	0.40	100		58	132
Q3095-28	RE104D3-20250910	2-Methylnaphthalene-d10	0.4	0.32	80		30	150
		Fluoranthene-d10	0.4	0.36	90		30	150
		Nitrobenzene-d5	0.4	0.38	95		55	111
		2-Fluorobiphenyl	0.4	0.38	96		53	106
		Terphenyl-d14	0.4	0.39	98		58	132
Q3095-29	RE122D2-20250910	2-Methylnaphthalene-d10	0.4	0.35	87		30	150

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Surrogate Summary

SW-846

SDG No.: Q3095

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
Q3095-29	RE122D2-20250910	Fluoranthene-d10	0.4	0.36	90		30	150
		Nitrobenzene-d5	0.4	0.39	98		55	111
		2-Fluorobiphenyl	0.4	0.41	101		53	106
		Terphenyl-d14	0.4	0.39	98		58	132
Q3095-30	RE104D1-20250910	2-Methylnaphthalene-d10	0.4	0.33	83		30	150
		Fluoranthene-d10	0.4	0.37	91		30	150
		Nitrobenzene-d5	0.4	0.37	92		55	111
		2-Fluorobiphenyl	0.4	0.37	93		53	106
		Terphenyl-d14	0.4	0.38	95		58	132
Q3095-31	TT180D-20250911	2-Methylnaphthalene-d10	0.4	0.34	86		30	150
		Fluoranthene-d10	0.4	0.36	91		30	150
		Nitrobenzene-d5	0.4	0.39	97		55	111
		2-Fluorobiphenyl	0.4	0.39	97		53	106
		Terphenyl-d14	0.4	0.39	97		58	132
Q3095-32	RE122D3-20250911	2-Methylnaphthalene-d10	0.4	0.35	86		30	150
		Fluoranthene-d10	0.4	0.38	96		30	150
		Nitrobenzene-d5	0.4	0.39	98		55	111
		2-Fluorobiphenyl	0.4	0.39	98		53	106
		Terphenyl-d14	0.4	0.41	103		58	132
Q3097-02MS	RE103D2-20250911MS	2-Methylnaphthalene-d10	0.4	0.28	70		30	150
		Fluoranthene-d10	0.4	0.35	87		30	150
		Nitrobenzene-d5	0.4	0.33	81		55	111
		2-Fluorobiphenyl	0.4	0.30	76		53	106
		Terphenyl-d14	0.4	0.43	107		58	132
Q3097-03MSD	RE103D2-20250911MSD	2-Methylnaphthalene-d10	0.4	0.28	70		30	150
		Fluoranthene-d10	0.4	0.36	90		30	150
		Nitrobenzene-d5	0.4	0.33	82		55	111
		2-Fluorobiphenyl	0.4	0.31	76		53	106
		Terphenyl-d14	0.4	0.41	101		58	132

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	**Q3095**	**Analytical Method:**	**SW8270-Modified**
Client:	**AECOM Technical Services, Inc.**	**DataFile:**	**BN037743.D**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q3095-06MS		**Client Sample ID: MW203D2-20250909MS**									
1,4-Dioxane	0.4	0.85	0.97	ug/L	30	*			70	130	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	**Q3095**	**Analytical Method:**	**SW8270-Modified**
Client:	**AECOM Technical Services, Inc.**	**DataFile:**	**BN037744.D**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID:	**Q3095-07MSD**	**Client Sample ID:**	**MW203D2-20250909MSD**								
1,4-Dioxane	0.4	0.85	0.96	ug/L	27	*	11		70	130	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	**Q3095**	**Analytical Method:**	**SW8270-Modified**
Client:	**AECOM Technical Services, Inc.**	**DataFile:**	**BN037772.D**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q3097-02MS		**Client Sample ID: RE103D2-20250911MS**									
1,4-Dioxane	0.4	0.37	0.72	ug/L	88				70	130	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3095 **Analytical Method:** SW8270-Modified

Client: AECOM Technical Services, Inc. **DataFile:** BN037773.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q3097-03MSD		**Client Sample ID:** RE103D2-20250911MSD									
1,4-Dioxane	0.4	0.37	0.73	ug/L	90		2		70	130	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3095 **Analytical Method:** 8270-Modified

Client: AECOM Technical Services, Inc. **DataFile:** BN037791.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB169692BS	1,4-Dioxane	0.4	0.30	ug/L	75				70	130	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3095 **Analytical Method:** 8270-Modified

Client: AECOM Technical Services, Inc. **DataFile:** BN037792.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB169693BS	1,4-Dioxane	0.4	0.31	ug/L	78				70	130	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID: PB169692BL

Lab Name: Alliance | Contract: AECO15

Lab Code: ACE | SDG NO.: Q3095

Lab File ID: BN037796.D | Lab Sample ID: PB169692BL

Instrument ID: BNA_N | Date Extracted: 09/15/2025

Matrix: (soil/water) Water | Date Analyzed: 09/19/2025

Level: (low/med) LOW | Time Analyzed: 03:24

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB169692BS	PB169692BS	BN037791.D	09/18/2025
MW305I-20250908	Q3095-01	BN037747.D	09/17/2025
MW179D-20250908	Q3095-02	BN037748.D	09/17/2025
MW203D2-20250909	Q3095-05	BN037742.D	09/17/2025
MW203D2-20250909MS	Q3095-06MS	BN037743.D	09/17/2025
MW201D-20250908	Q3095-03	BN037749.D	09/17/2025
MW179D1-20250908	Q3095-04	BN037750.D	09/17/2025
MW203D2-20250909MSD	Q3095-07MSD	BN037744.D	09/17/2025
MW203D1-20250909	Q3095-08	BN037751.D	09/17/2025
MW179D2-20250909	Q3095-09	BN037752.D	09/17/2025
MW201D1-20250909	Q3095-10	BN037753.D	09/17/2025
RE122D1-20250909	Q3095-11	BN037754.D	09/17/2025
MW178I1-20250909	Q3095-13	BN037755.D	09/17/2025
MW202D-20250909	Q3095-12	BN037761.D	09/18/2025
RE123D1-20250909	Q3095-14	BN037762.D	09/18/2025
RE123D3-20250909	Q3095-15	BN037763.D	09/18/2025
MW305D-20250909	Q3095-16	BN037764.D	09/18/2025
DUP01-20250909	Q3095-17	BN037765.D	09/18/2025
RE126D2-20250909	Q3095-18	BN037766.D	09/18/2025
RE126D3-20250909	Q3095-19	BN037767.D	09/18/2025
MW178S-20250910	Q3095-20	BN037768.D	09/18/2025

COMMENTS:

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID: PB169693BL

Lab Name: Alliance | Contract: AECO15

Lab Code: ACE | SDG NO.: Q3095

Lab File ID: BN037777.D | Lab Sample ID: PB169693BL

Instrument ID: BNA_N | Date Extracted: 09/15/2025

Matrix: (soil/water) Water | Date Analyzed: 09/18/2025

Level: (low/med) LOW | Time Analyzed: 15:10

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
RE126D1-20250910	Q3095-21	BN037783.D	09/18/2025
MW202D1-20250910	Q3095-22	BN037784.D	09/18/2025
RE104D2-20250910	Q3095-23	BN037785.D	09/18/2025
MW178I-20250910	Q3095-24	BN037786.D	09/18/2025
PB169693BS	PB169693BS	BN037792.D	09/19/2025
DUP02-20250910	Q3095-25	BN037787.D	09/18/2025
DUP03-20250910	Q3095-26	BN037788.D	09/18/2025
RE122D2-20250910	Q3095-29	BN037797.D	09/19/2025
RE104D1-20250910	Q3095-30	BN037798.D	09/19/2025
TT180D-20250911	Q3095-31	BN037799.D	09/19/2025
RE122D3-20250911	Q3095-32	BN037800.D	09/19/2025
RE117D1-20250910	Q3095-27	BN037815.D	09/19/2025
RE104D3-20250910	Q3095-28	BN037843.D	09/20/2025
RE103D2-20250911MS	Q3097-02MS	BN037772.D	09/18/2025
RE103D2-20250911MSD	Q3097-03MSD	BN037773.D	09/18/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: AECO15

Lab Code: ACE SDG NO.: Q3095

Lab File ID: BN037689.D DFTPP Injection Date: 09/11/2025

Instrument ID: BNA_N DFTPP Injection Time: 07:54

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.4 (1) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (0.6) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.2
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	79.2
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	14.5 (20.4) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC0.1	SSTDICC0.1	BN037691.D	09/11/2025	09:56
SSTDICC0.2	SSTDICC0.2	BN037692.D	09/11/2025	10:32
SSTDICCC0.4	SSTDICCC0.4	BN037693.D	09/11/2025	11:08
SSTDICC0.8	SSTDICC0.8	BN037694.D	09/11/2025	11:44
SSTDICC1.6	SSTDICC1.6	BN037695.D	09/11/2025	12:20
SSTDICC3.2	SSTDICC3.2	BN037696.D	09/11/2025	12:56
SSTDICC5.0	SSTDICC5.0	BN037697.D	09/11/2025	13:33

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SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: AECO15

Lab Code: ACE SDG NO.: Q3095

Lab File ID: BN037739.D DFTPP Injection Date: 09/17/2025

Instrument ID: BNA_N DFTPP Injection Time: 10:46

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.3) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (0.4) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	82.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	17.7 (21.3) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC0.4	SSTDCCC0.4	BN037740.D	09/17/2025	11:25
MW203D2-20250909	Q3095-05	BN037742.D	09/17/2025	12:38
MW203D2-20250909MS	Q3095-06MS	BN037743.D	09/17/2025	13:14
MW203D2-20250909MSD	Q3095-07MSD	BN037744.D	09/17/2025	13:59
MW305I-20250908	Q3095-01	BN037747.D	09/17/2025	15:47
MW179D-20250908	Q3095-02	BN037748.D	09/17/2025	16:24
MW201D-20250908	Q3095-03	BN037749.D	09/17/2025	17:00
MW179D1-20250908	Q3095-04	BN037750.D	09/17/2025	17:36
MW203D1-20250909	Q3095-08	BN037751.D	09/17/2025	18:13
MW179D2-20250909	Q3095-09	BN037752.D	09/17/2025	18:49
MW201D1-20250909	Q3095-10	BN037753.D	09/17/2025	19:25
RE122D1-20250909	Q3095-11	BN037754.D	09/17/2025	20:01
MW178I1-20250909	Q3095-13	BN037755.D	09/17/2025	20:37
SSTDCCC0.4EC	SSTDCCC0.4	BN037757.D	09/17/2025	21:50

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SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: AECO15

Lab Code: ACE SDG NO.: Q3095

Lab File ID: BN037758.D DFTPP Injection Date: 09/18/2025

Instrument ID: BNA_N DFTPP Injection Time: 02:06

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.4 (1.1) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (0.5) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	86.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	16.5 (19.9) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC0.4	SSTDCCC0.4	BN037759.D	09/18/2025	02:46
MW202D-20250909	Q3095-12	BN037761.D	09/18/2025	03:58
RE123D1-20250909	Q3095-14	BN037762.D	09/18/2025	04:34
RE123D3-20250909	Q3095-15	BN037763.D	09/18/2025	05:10
MW305D-20250909	Q3095-16	BN037764.D	09/18/2025	05:46
DUP01-20250909	Q3095-17	BN037765.D	09/18/2025	06:23
RE126D2-20250909	Q3095-18	BN037766.D	09/18/2025	06:59
RE126D3-20250909	Q3095-19	BN037767.D	09/18/2025	07:35
MW178S-20250910	Q3095-20	BN037768.D	09/18/2025	08:11
RE103D2-20250911MS	Q3097-02MS	BN037772.D	09/18/2025	11:48
RE103D2-20250911MSD	Q3097-03MSD	BN037773.D	09/18/2025	12:25
SSTDCCC0.4EC	SSTDCCC0.4	BN037774.D	09/18/2025	13:16

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: AECO15

Lab Code: ACE SDG NO.: Q3095

Lab File ID: BN037775.D DFTPP Injection Date: 09/18/2025

Instrument ID: BNA_N DFTPP Injection Time: 13:53

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.7 (1.7) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (0.5) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	85.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	16.2 (18.9) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC0.4	SSTDCCC0.4	BN037776.D	09/18/2025	14:32
PB169693BL	PB169693BL	BN037777.D	09/18/2025	15:10
RE126D1-20250910	Q3095-21	BN037783.D	09/18/2025	18:49
MW202D1-20250910	Q3095-22	BN037784.D	09/18/2025	19:25
RE104D2-20250910	Q3095-23	BN037785.D	09/18/2025	20:02
MW178I-20250910	Q3095-24	BN037786.D	09/18/2025	20:38
DUP02-20250910	Q3095-25	BN037787.D	09/18/2025	21:14
DUP03-20250910	Q3095-26	BN037788.D	09/18/2025	21:51
MW201D-20250908DL	Q3095-03DL	BN037789.D	09/18/2025	22:27
PB169692BS	PB169692BS	BN037791.D	09/18/2025	23:40
PB169693BS	PB169693BS	BN037792.D	09/19/2025	00:16
SSTDCCC0.4EC	SSTDCCC0.4	BN037793.D	09/19/2025	00:52

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SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: AECO15

Lab Code: ACE SDG NO.: Q3095

Lab File ID: BN037794.D DFTPP Injection Date: 09/19/2025

Instrument ID: BNA_N DFTPP Injection Time: 02:08

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.4) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (0.6) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	86.4
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	16.9 (18.3) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC0.4	SSTDCCC0.4	BN037795.D	09/19/2025	02:47
PB169692BL	PB169692BL	BN037796.D	09/19/2025	03:24
RE122D2-20250910	Q3095-29	BN037797.D	09/19/2025	04:00
RE104D1-20250910	Q3095-30	BN037798.D	09/19/2025	04:37
TT180D-20250911	Q3095-31	BN037799.D	09/19/2025	05:13
RE122D3-20250911	Q3095-32	BN037800.D	09/19/2025	05:49
SSTDCCC0.4EC	SSTDCCC0.4	BN037811.D	09/19/2025	13:03

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SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: AECO15

Lab Code: ACE SDG NO.: Q3095

Lab File ID: BN037812.D DFTPP Injection Date: 09/19/2025

Instrument ID: BNA_N DFTPP Injection Time: 13:39

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.4) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (0.6) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	80.8
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	15.9 (20.1) 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	BN037813.D	09/19/2025	14:19
RE117D1-20250910	Q3095-27	BN037815.D	09/19/2025	15:32
SSTDCCC0.4EC	SSTDCCC0.4	BN037830.D	09/20/2025	00:39

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: AECO15

Lab Code: ACE SDG NO.: Q3095

Lab File ID: BN037831.D DFTPP Injection Date: 09/20/2025

Instrument ID: BNA_N DFTPP Injection Time: 01:16

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.8 (1.9) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (0.6) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	81.3
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	16.2 (20.2) 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	BN037832.D	09/20/2025	02:35
RE104D3-20250910	Q3095-28	BN037843.D	09/20/2025	09:14
SSTDCCC0.4EC	SSTDCCC0.4	BN037847.D	09/20/2025	11:39

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3095

Client ID : SSTDCCC0.4 Date Analyzed: 09/17/2025

Lab File ID: BN037740.D Time Analyzed: 11:25

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	6660	7.84	18396	10.65	8930	14.50
	UPPER LIMIT	13320	8.34	36792	11.148	17860	14.995
	LOWER LIMIT	3330	7.34	9198	10.148	4465	13.995
	EPA SAMPLE NO.						
01	MW305I-20250908	6426	7.84	17307	10.64	7564	14.49
02	MW179D-20250908	6623	7.84	18145	10.64	8084	14.49
03	MW201D-20250908	6464	7.84	17423	10.64	7814	14.50
04	MW179D1-20250908	6641	7.84	17861	10.64	7906	14.50
05	MW203D2-20250909	7535	7.84	20988	10.65	9821	14.49
06	MW203D2-20250909MS	6853	7.84	18950	10.64	8815	14.49
07	MW203D2-20250909MSD	7569	7.85	20880	10.65	9823	14.49
08	MW203D1-20250909	6737	7.84	18255	10.64	8162	14.50
09	MW179D2-20250909	6450	7.84	17530	10.64	7934	14.49
10	MW201D1-20250909	6375	7.83	17020	10.64	7746	14.48
11	RE122D1-20250909	6754	7.83	18549	10.64	8723	14.49
12	MW178I1-20250909	6476	7.83	17530	10.64	7818	14.49

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: Alliance

Lab Code: ACE SDG NO.: Q3095

Client ID: SSTDCCC0.4 Date Analyzed: 09/17/2025

Lab File ID: BN037740.D Time Analyzed: 11:25

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	15814	17.235	13841	21.42	14132	23.753
	UPPER LIMIT	31628	17.735	27682	21.92	28264	24.253
	LOWER LIMIT	7907	16.735	6920.5	20.92	7066	23.253
	EPA SAMPLE NO.						
01	MW305I-20250908	13404	17.24	10925	21.41	10440	23.75
02	MW179D-20250908	13859	17.24	11041	21.41	10735	23.75
03	MW201D-20250908	14079	17.24	12160	21.41	12015	23.75
04	MW179D1-20250908	13742	17.24	11462	21.41	11339	23.75
05	MW203D2-20250909	16837	17.24	12718	21.41	12632	23.75
06	MW203D2-20250909MS	15289	17.24	13059	21.42	12757	23.75
07	MW203D2-20250909MSD	16954	17.24	14253	21.42	13967	23.76
08	MW203D1-20250909	14474	17.24	12341	21.41	12297	23.75
09	MW179D2-20250909	13430	17.24	10479	21.41	10489	23.75
10	MW201D1-20250909	13901	17.24	12559	21.41	12839	23.75
11	RE122D1-20250909	14502	17.24	10754	21.41	10771	23.75
12	MW178I1-20250909	14505	17.24	12734	21.41	12709	23.75

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: Alliance

Lab Code: ACE SDG NO.: Q3095

Client ID : SSTDCCC0.4 Date Analyzed: 09/18/2025

Lab File ID: BN037759.D Time Analyzed: 02:46

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	8012	7.833	21664	10.64	10192	14.48
	UPPER LIMIT	16024	8.333	43328	11.137	20384	14.984
	LOWER LIMIT	4006	7.333	10832	10.137	5096	13.984
	EPA SAMPLE NO.						
01	MW202D-20250909	7232	7.83	19420	10.64	8613	14.48
02	RE123D1-20250909	6993	7.83	18780	10.64	8989	14.48
03	RE123D3-20250909	7985	7.83	22130	10.64	10297	14.48
04	MW305D-20250909	7657	7.83	21168	10.64	9850	14.48
05	DUP01-20250909	7819	7.83	21320	10.64	9718	14.48
06	RE126D2-20250909	8399	7.83	23335	10.64	10732	14.48
07	RE126D3-20250909	8360	7.83	22865	10.64	10200	14.48
08	MW178S-20250910	7451	7.83	19960	10.64	9139	14.48
09	RE103D2-20250911MS	7218	7.83	19437	10.64	8792	14.48
10	RE103D2-20250911MSD	7159	7.83	19099	10.64	8494	14.48

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: Alliance

Lab Code: ACE SDG NO.: Q3095

Client ID: SSTDCCC0.4 Date Analyzed: 09/18/2025

Lab File ID: BN037759.D Time Analyzed: 02:46

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	18613	17.235	16797	21.411	18043	23.741
	UPPER LIMIT	37226	17.735	33594	21.911	36086	24.241
	LOWER LIMIT	9306.5	16.735	8398.5	20.911	9021.5	23.241
	EPA SAMPLE NO.						
01	MW202D-20250909	15444	17.24	12865	21.41	13080	23.74
02	RE123D1-20250909	16581	17.24	13960	21.41	14258	23.74
03	RE123D3-20250909	18311	17.24	14395	21.41	14910	23.74
04	MW305D-20250909	18466	17.24	16400	21.41	17053	23.74
05	DUP01-20250909	17159	17.24	13647	21.41	14246	23.74
06	RE126D2-20250909	18615	17.24	13639	21.41	14319	23.75
07	RE126D3-20250909	17532	17.24	14129	21.41	14395	23.75
08	MW178S-20250910	17489	17.24	16160	21.41	15607	23.74
09	RE103D2-20250911MS	14560	17.24	11077	21.41	10712	23.74
10	RE103D2-20250911MSD	14218	17.24	11982	21.41	11726	23.75

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: Alliance

Lab Code: ACE SDG NO.: Q3095

Client ID : SSTDCCC0.4 Date Analyzed: 09/18/2025

Lab File ID: BN037776.D Time Analyzed: 14:32

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	7127	7.833	18984	10.64	8698	14.48
	UPPER LIMIT	14254	8.333	37968	11.137	17396	14.984
	LOWER LIMIT	3563.5	7.333	9492	10.137	4349	13.984
	EPA SAMPLE NO.						
01	PB169692BS	6983	7.83	18103	10.64	7729	14.48
02	PB169693BL	6667	7.84	17045	10.64	7049	14.48
03	PB169693BS	7441	7.83	19392	10.64	8149	14.48
04	MW201D-20250908DL	7715	7.83	20993	10.64	9567	14.48
05	RE126D1-20250910	8225	7.83	22467	10.64	10495	14.48
06	MW202D1-20250910	7721	7.83	20880	10.64	9442	14.48
07	RE104D2-20250910	7416	7.83	19792	10.64	9115	14.48
08	MW178I-20250910	7906	7.83	21432	10.64	9551	14.48
09	DUP02-20250910	8067	7.83	22034	10.64	10108	14.48
10	DUP03-20250910	7666	7.83	20364	10.64	8849	14.48

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: Alliance

Lab Code: ACE SDG NO.: Q3095

Client ID: SSTDCCC0.4 Date Analyzed: 09/18/2025

Lab File ID: BN037776.D Time Analyzed: 14:32

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	14526	17.235	10438	21.411	10600	23.744
	UPPER LIMIT	29052	17.735	20876	21.911	21200	24.244
	LOWER LIMIT	7263	16.735	5219	20.911	5300	23.244
	EPA SAMPLE NO.						
01	PB169692BS	12277	17.24	10644	21.41	10808	23.74
02	PB169693BL	11652	17.24	9221	21.41	9002	23.75
03	PB169693BS	12386	17.24	10095	21.41	10200	23.74
04	MW201D-20250908DL	16081	17.24	11736	21.41	11717	23.74
05	RE126D1-20250910	19347	17.24	17267	21.41	17743	23.74
06	MW202D1-20250910	16202	17.24	13556	21.41	13782	23.74
07	RE104D2-20250910	16768	17.24	14951	21.41	14804	23.74
08	MW178I-20250910	16120	17.24	12351	21.41	12408	23.74
09	DUP02-20250910	17248	17.24	12319	21.41	12006	23.74
10	DUP03-20250910	15319	17.24	12443	21.41	11797	23.74

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: Alliance

Lab Code: ACE SDG NO.: Q3095

Client ID : SSTDCCC0.4 Date Analyzed: 09/19/2025

Lab File ID: BN037795.D Time Analyzed: 02:47

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	7724	7.833	19361	10.64	8621	14.48
	UPPER LIMIT	15448	8.333	38722	11.137	17242	14.984
	LOWER LIMIT	3862	7.333	9680.5	10.137	4310.5	13.984
	EPA SAMPLE NO.						
01	PB169692BL	7701	7.83	18665	10.64	7806	14.48
02	RE122D2-20250910	6378	7.83	15422	10.64	6530	14.48
03	RE104D1-20250910	6794	7.83	16429	10.64	7128	14.48
04	TT180D-20250911	6964	7.83	16642	10.64	7189	14.48
05	RE122D3-20250911	5969	7.83	15717	10.64	6882	14.48

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: Alliance

Lab Code: ACE SDG NO.: Q3095

Client ID: SSTDCCC0.4 Date Analyzed: 09/19/2025

Lab File ID: BN037795.D Time Analyzed: 02:47

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	14380	17.235	11169	21.411	11840	23.742
	UPPER LIMIT	28760	17.735	22338	21.911	23680	24.242
	LOWER LIMIT	7190	16.735	5584.5	20.911	5920	23.242
	EPA SAMPLE NO.						
01	PB169692BL	12511	17.24	10022	21.41	10278	23.74
02	RE122D2-20250910	11243	17.24	9477	21.41	9344	23.74
03	RE104D1-20250910	12460	17.24	10431	21.41	10216	23.74
04	TT180D-20250911	12481	17.24	10625	21.41	10338	23.74
05	RE122D3-20250911	11849	17.24	9882	21.41	9588	23.74

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: Alliance

Lab Code: ACE SDG NO.: Q3095

Client ID : SSTDCCC0.4 Date Analyzed: 09/19/2025

Lab File ID: BN037813.D Time Analyzed: 14:19

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	4812	7.833	12410	10.64	5585	14.48
	UPPER LIMIT	9624	8.333	24820	11.137	11170	14.984
	LOWER LIMIT	2406	7.333	6205	10.137	2792.5	13.984
	EPA SAMPLE NO.						
01	RE117D1-20250910	4745	7.83	12184	10.64	5111	14.48

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: Alliance

Lab Code: ACE SDG NO.: Q3095

Client ID: SSTDCCC0.4 Date Analyzed: 09/19/2025

Lab File ID: BN037813.D Time Analyzed: 14:19

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	9638	17.235	8466	21.411	8084	23.739
	UPPER LIMIT	19276	17.735	16932	21.911	16168	24.239
	LOWER LIMIT	4819	16.735	4233	20.911	4042	23.239
	EPA SAMPLE NO.						
01	RE117D1-20250910	8978	17.22	8113	21.41	7855	23.74

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: Alliance

Lab Code: ACE SDG NO.: Q3095

Client ID : SSTDCCC0.4 Date Analyzed: 09/20/2025

Lab File ID: BN037832.D Time Analyzed: 02:35

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	6232	7.825	16500	10.64	7183	14.48
	UPPER LIMIT	12464	8.325	33000	11.137	14366	14.984
	LOWER LIMIT	3116	7.325	8250	10.137	3591.5	13.984
	EPA SAMPLE NO.						
01	RE104D3-20250910	5576	7.83	14489	10.63	6033	14.48

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: Alliance

Lab Code: ACE SDG NO.: Q3095

Client ID: SSTDCCC0.4 Date Analyzed: 09/20/2025

Lab File ID: BN037832.D Time Analyzed: 02:35

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	11907	17.223	9777	21.402	10066		23.736
	UPPER LIMIT	23814	17.723	19554	21.902	20132		24.236
	LOWER LIMIT	5953.5	16.723	4888.5	20.902	5033		23.236
	EPA SAMPLE NO.							
01	RE104D3-20250910	10379	17.22	8825	21.40	32	*	23.74

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:	09/08/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	MW305I-20250908	SDG No.:	Q3095
Lab Sample ID:	Q3095-01	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
BN037747.D	1	09/15/25 10:15	09/17/25 15:47	PB169692

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.43		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		88%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.32		55 - 111		80%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.33		53 - 106		83%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.42		58 - 132		105%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6430	7.84				
1146-65-2	Naphthalene-d8	17300	10.637				
15067-26-2	Acenaphthene-d10	7560	14.494				
1517-22-2	Phenanthrene-d10	13400	17.235				
1719-03-5	Chrysene-d12	10900	21.411				
1520-96-3	Perylene-d12	10400	23.747				

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\BN091725\
Data File : BN037747.D
Acq On : 17 Sep 2025 15:47
Operator : RC/JU
Sample : Q3095-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW305I-20250908

Quant Time: Sep 17 16:29:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

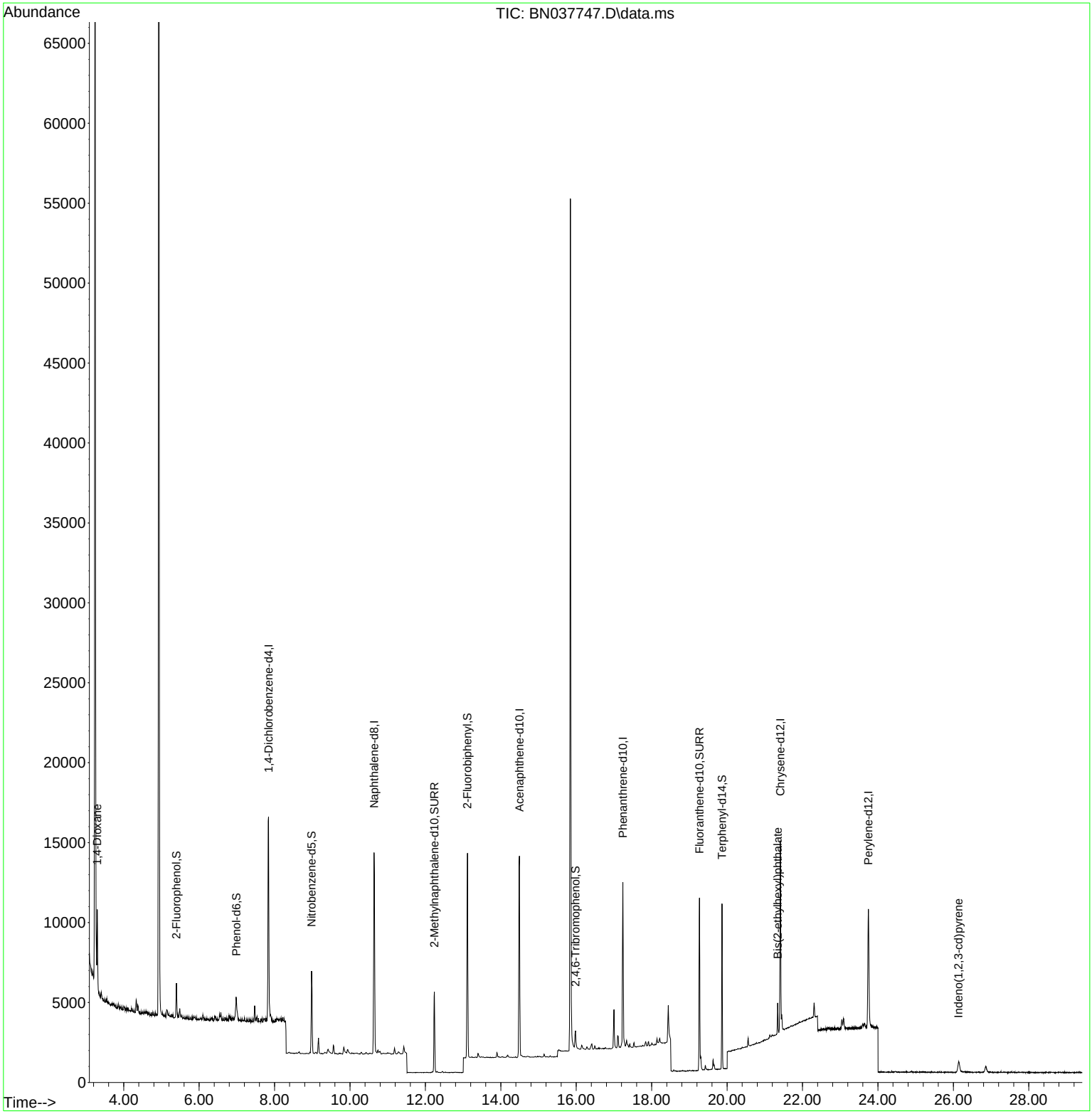
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.840	152	6426	0.400	ng	0.00
7) Naphthalene-d8	10.637	136	17307	0.400	ng	-0.01
13) Acenaphthene-d10	14.494	164	7564	0.400	ng	0.00
19) Phenanthrene-d10	17.235	188	13404	0.400	ng	0.00
29) Chrysene-d12	21.411	240	10925	0.400	ng	# 0.00
35) Perylene-d12	23.747	264	10440	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.399	112	1544	0.105	ng	0.00
5) Phenol-d6	6.988	99	1164	0.061	ng	0.00
8) Nitrobenzene-d5	8.982	82	4046	0.320	ng	-0.01
11) 2-Methylnaphthalene-d10	12.238	152	6653	0.290	ng	0.00
14) 2,4,6-Tribromophenol	15.982	330	732	0.371	ng	0.00
15) 2-Fluorobiphenyl	13.115	172	10498	0.332	ng	0.00
27) Fluoranthene-d10	19.266	212	11763	0.350	ng	0.00
31) Terphenyl-d14	19.866	244	9368	0.422	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.297	88	2844	0.425	ng	# 93
34) Bis(2-ethylhexyl)phtha...	21.340	149	1967	0.174	ng	# 96
36) Indeno(1,2,3-cd)pyrene	26.139	276	885	0.020	ng	# 87

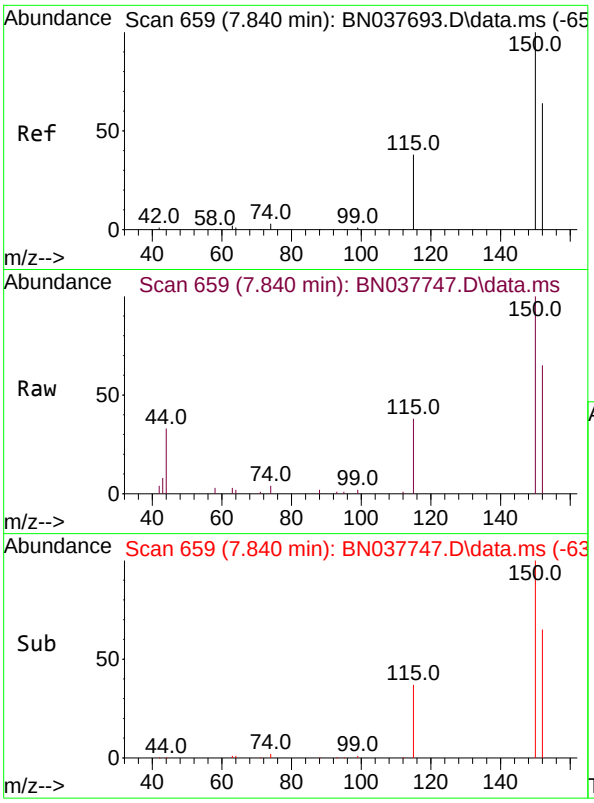
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091725\
Data File : BN037747.D
Acq On : 17 Sep 2025 15:47
Operator : RC/JU
Sample : Q3095-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW305I-20250908

Quant Time: Sep 17 16:29:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration



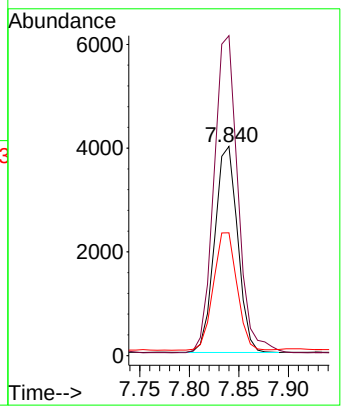


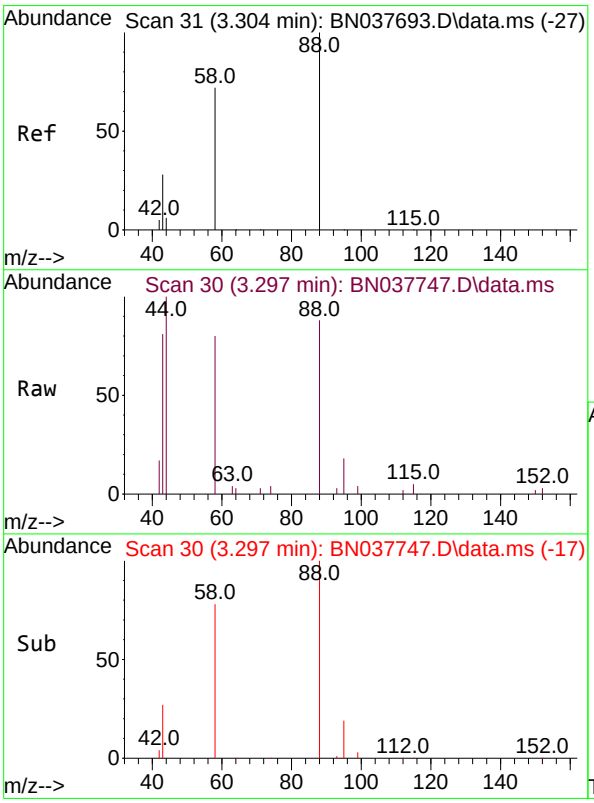
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.840 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN037747.D
Acq: 17 Sep 2025 15:47

Instrument :
BNA_N
ClientSampleId :
MW305I-20250908

Tgt Ion:152 Resp: 6426

Ion	Ratio	Lower	Upper
152	100		
150	152.9	124.5	186.7
115	58.7	49.2	73.8

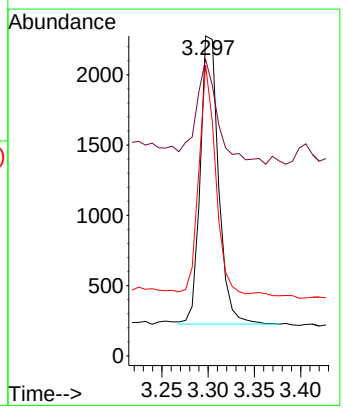


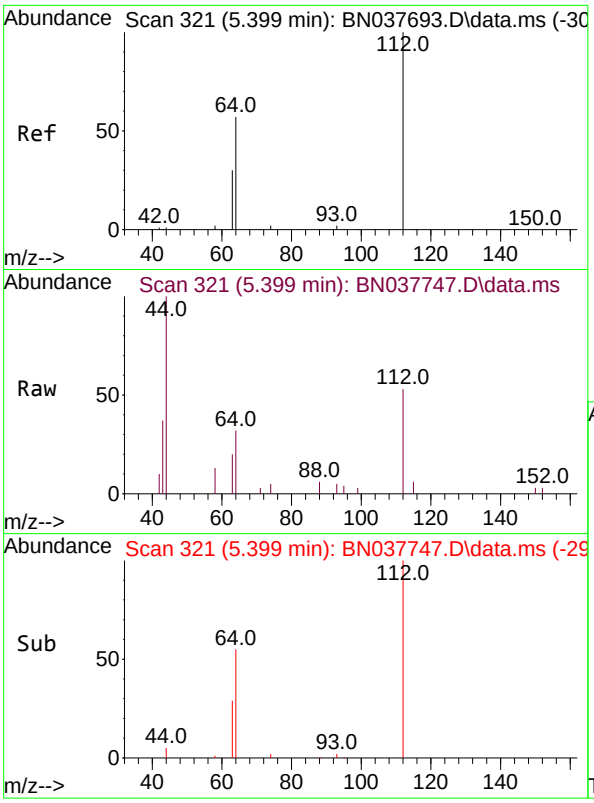


#2
1,4-Dioxane
Concen: 0.425 ng
RT: 3.297 min Scan# 30
Delta R.T. -0.007 min
Lab File: BN037747.D
Acq: 17 Sep 2025 15:47

Tgt Ion: 88 Resp: 2844

Ion	Ratio	Lower	Upper
88	100		
43	42.9	26.8	40.2#
58	74.3	61.9	92.9



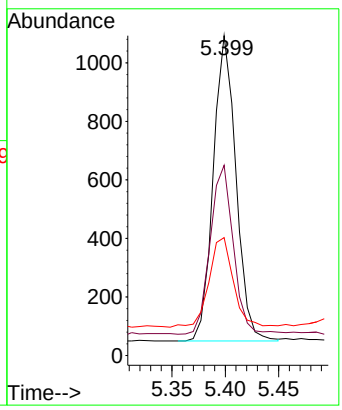


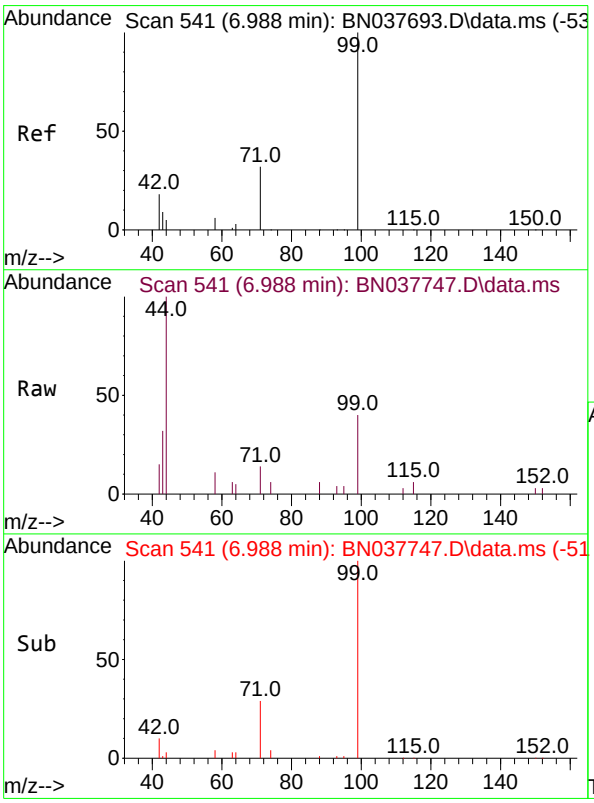
#4
2-Fluorophenol
Concen: 0.105 ng
RT: 5.399 min Scan# 3
Delta R.T. -0.000 min
Lab File: BN037747.D
Acq: 17 Sep 2025 15:47

Instrument :
BNA_N
ClientSampleId :
MW305I-20250908

Tgt Ion:112 Resp: 1544

Ion	Ratio	Lower	Upper
112	100		
64	56.2	44.9	67.3
63	31.5	24.7	37.1

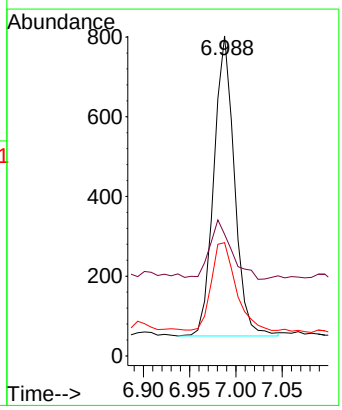


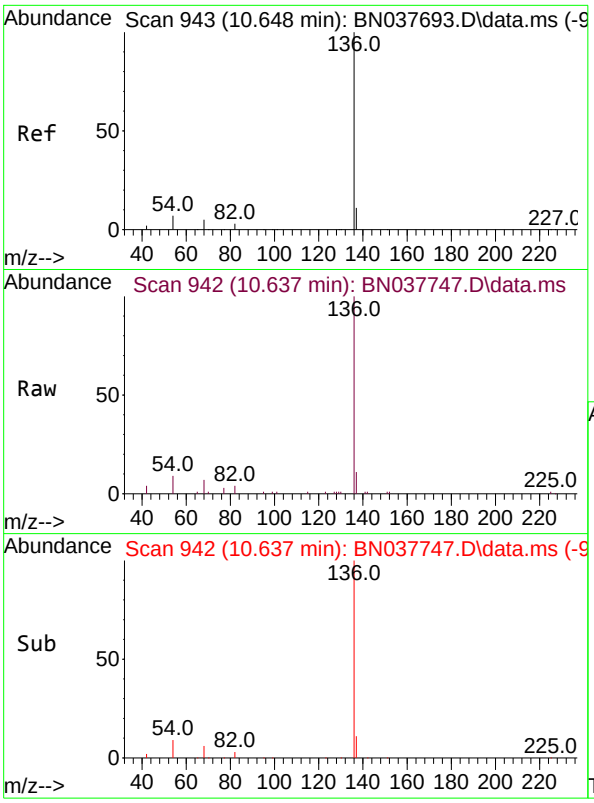


#5
Phenol-d6
Concen: 0.061 ng
RT: 6.988 min Scan# 541
Delta R.T. -0.000 min
Lab File: BN037747.D
Acq: 17 Sep 2025 15:47

Tgt Ion: 99 Resp: 1164

Ion	Ratio	Lower	Upper
99	100		
42	22.3	16.6	24.8
71	34.9	26.7	40.1



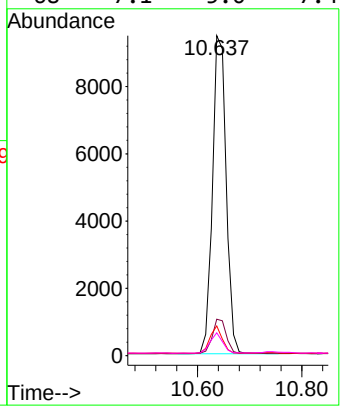


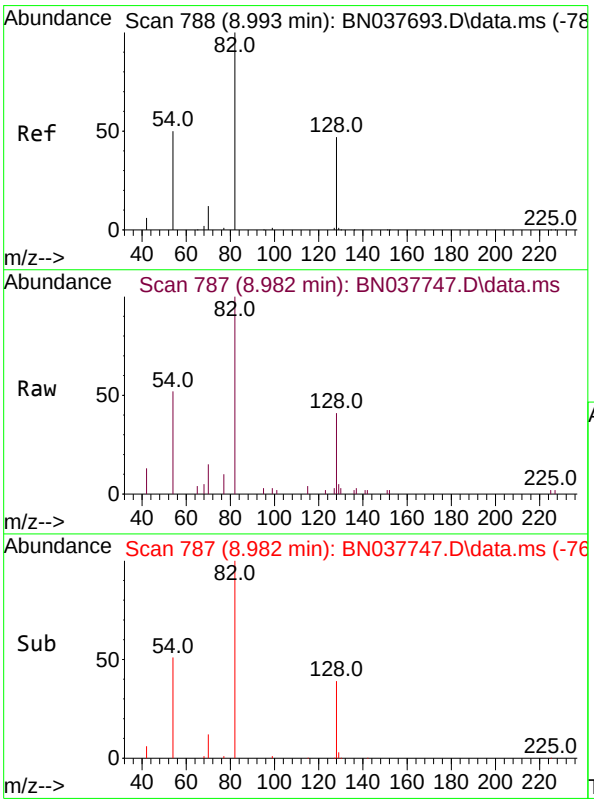
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.637 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037747.D
Acq: 17 Sep 2025 15:47

Instrument :
BNA_N
ClientSampleId :
MW305I-20250908

Tgt Ion:136 Resp: 17307

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	9.3	6.3	9.5
68	7.1	5.0	7.4

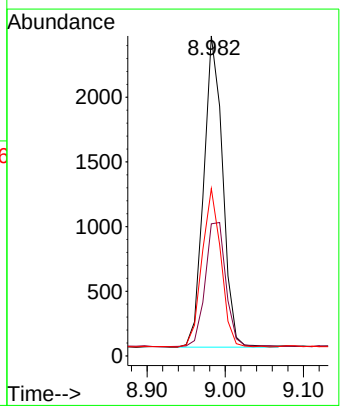


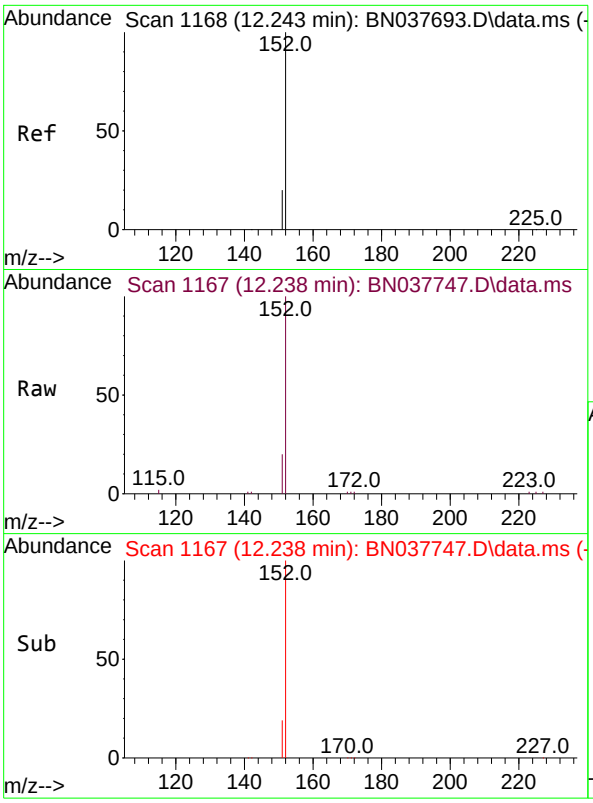


#8
Nitrobenzene-d5
Concen: 0.320 ng
RT: 8.982 min Scan# 787
Delta R.T. -0.011 min
Lab File: BN037747.D
Acq: 17 Sep 2025 15:47

Tgt Ion: 82 Resp: 4046

Ion	Ratio	Lower	Upper
82	100		
128	41.3	38.3	57.5
54	52.3	41.4	62.2



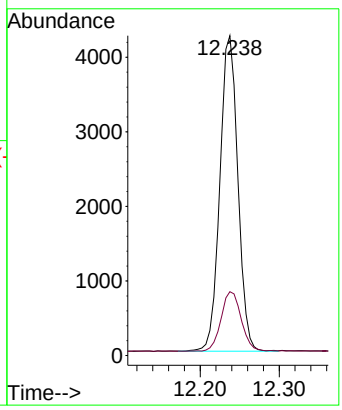


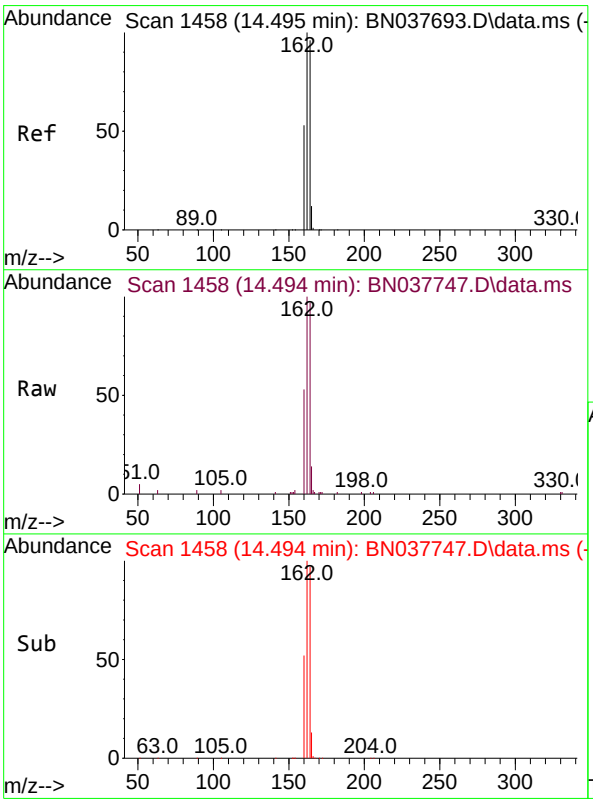
#11
2-Methylnaphthalene-d10
Concen: 0.290 ng
RT: 12.238 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN037747.D
Acq: 17 Sep 2025 15:47

Instrument :
BNA_N
ClientSampleId :
MW305I-20250908

Tgt Ion:152 Resp: 6653

Ion	Ratio	Lower	Upper
152	100		
151	21.3	17.0	25.6

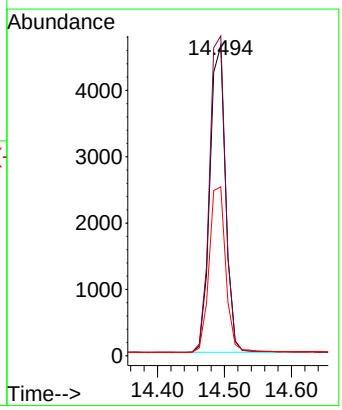


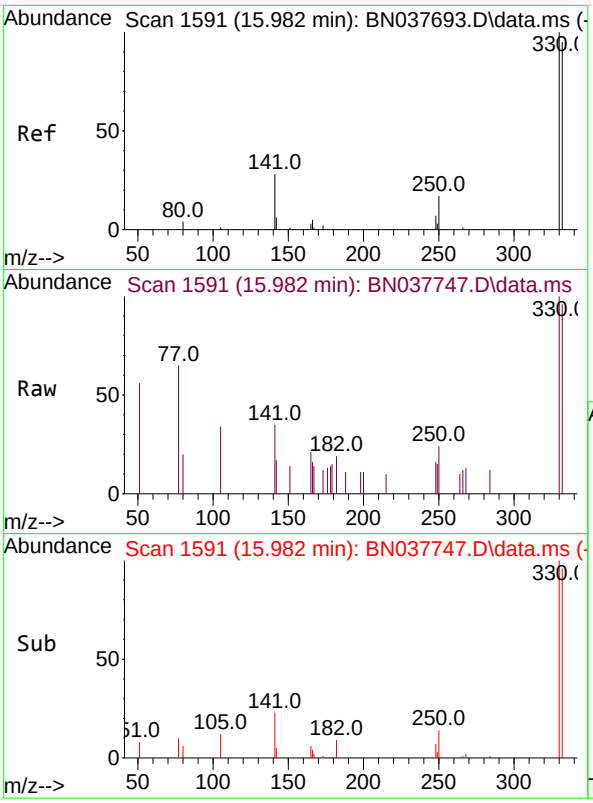


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.494 min Scan# 1458
Delta R.T. -0.000 min
Lab File: BN037747.D
Acq: 17 Sep 2025 15:47

Tgt Ion:164 Resp: 7564

Ion	Ratio	Lower	Upper
164	100		
162	103.2	83.1	124.7
160	54.5	44.3	66.5



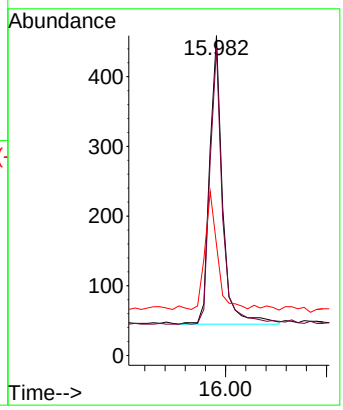


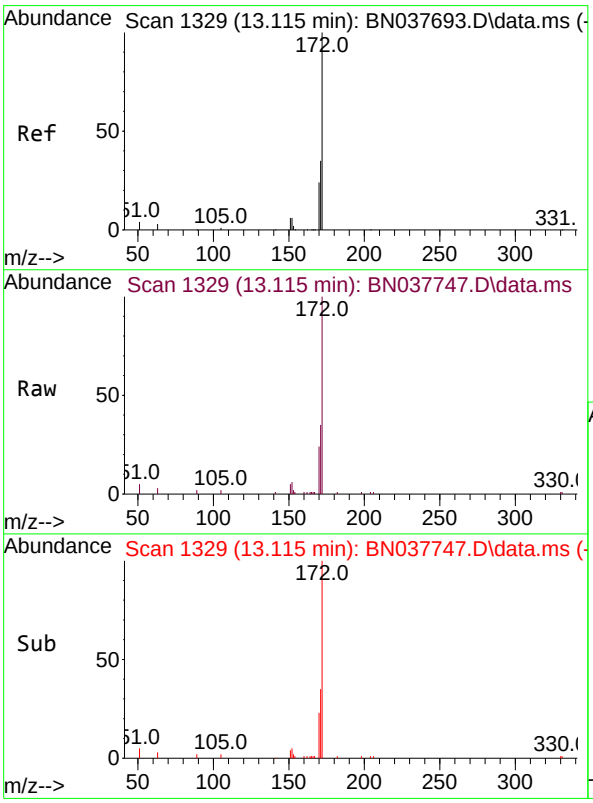
#14
2,4,6-Tribromophenol
Concen: 0.371 ng
RT: 15.982 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037747.D
Acq: 17 Sep 2025 15:47

Instrument :
BNA_N
ClientSampleId :
MW305I-20250908

Tgt Ion:330 Resp: 732

Ion	Ratio	Lower	Upper
330	100		
332	93.6	75.3	112.9
141	38.9	35.0	52.4

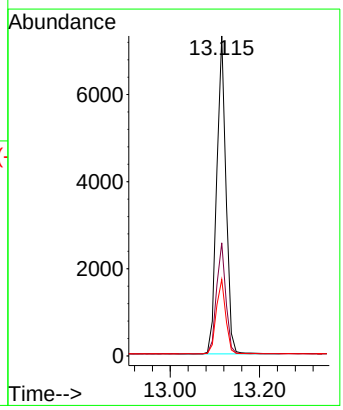


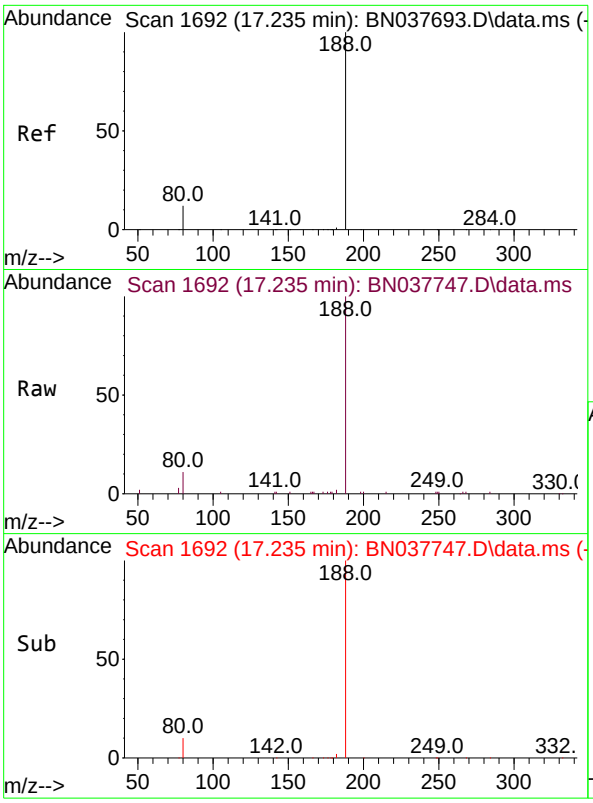


#15
2-Fluorobiphenyl
Concen: 0.332 ng
RT: 13.115 min Scan# 1329
Delta R.T. -0.000 min
Lab File: BN037747.D
Acq: 17 Sep 2025 15:47

Tgt Ion:172 Resp: 10498

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.6	43.0
170	23.9	19.8	29.8



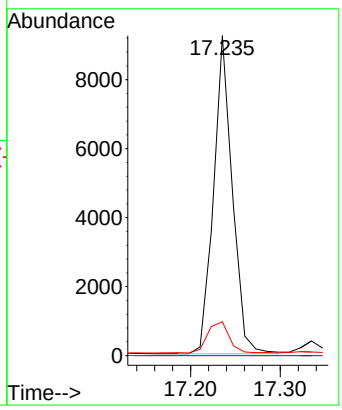


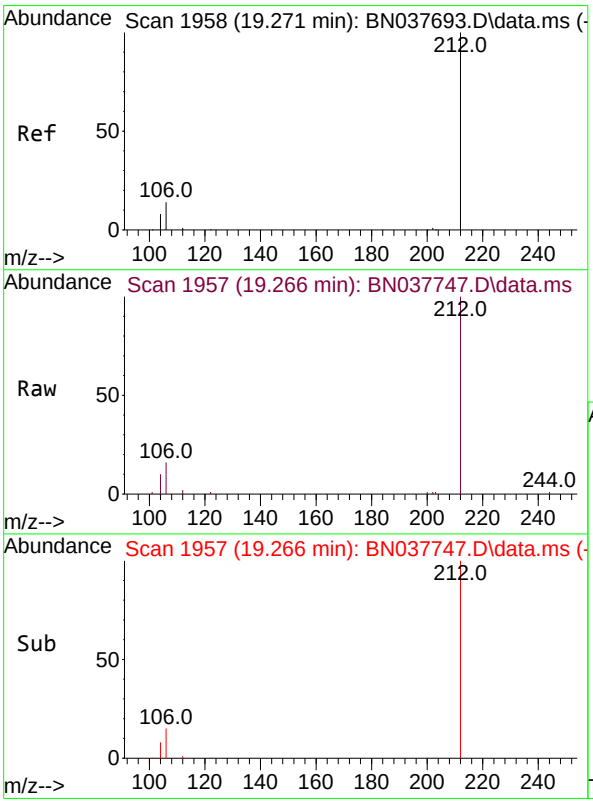
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.235 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037747.D
Acq: 17 Sep 2025 15:47

Instrument :
BNA_N
ClientSampleId :
MW305I-20250908

Tgt Ion:188 Resp: 13404

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.6	10.6	15.8

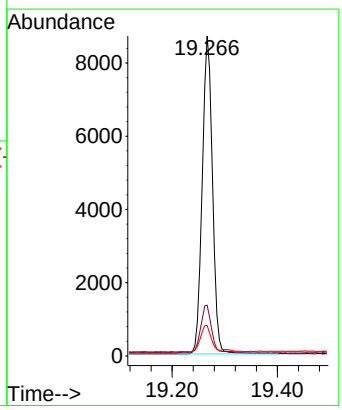


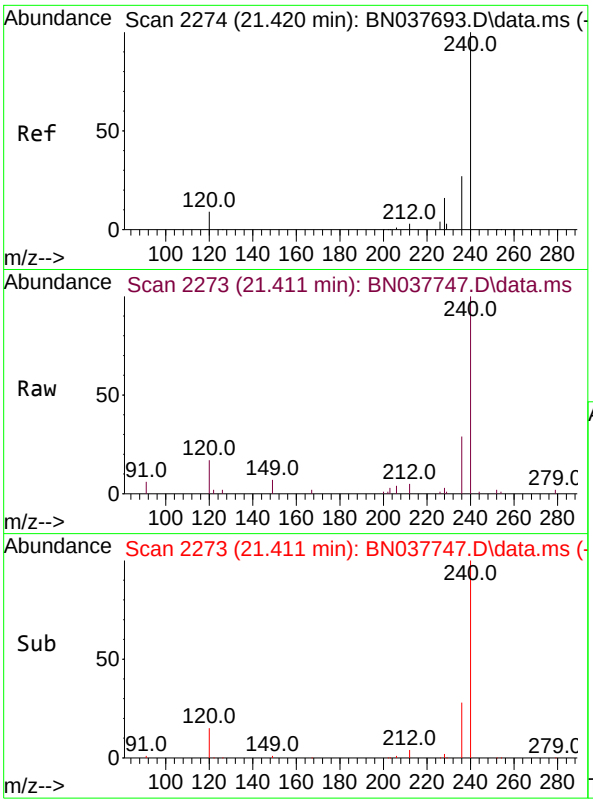


#27
Fluoranthene-d10
Concen: 0.350 ng
RT: 19.266 min Scan# 1957
Delta R.T. -0.005 min
Lab File: BN037747.D
Acq: 17 Sep 2025 15:47

Tgt Ion:212 Resp: 11763

Ion	Ratio	Lower	Upper
212	100		
106	15.2	12.2	18.2
104	8.5	6.9	10.3



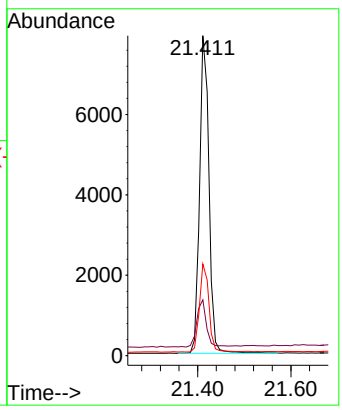


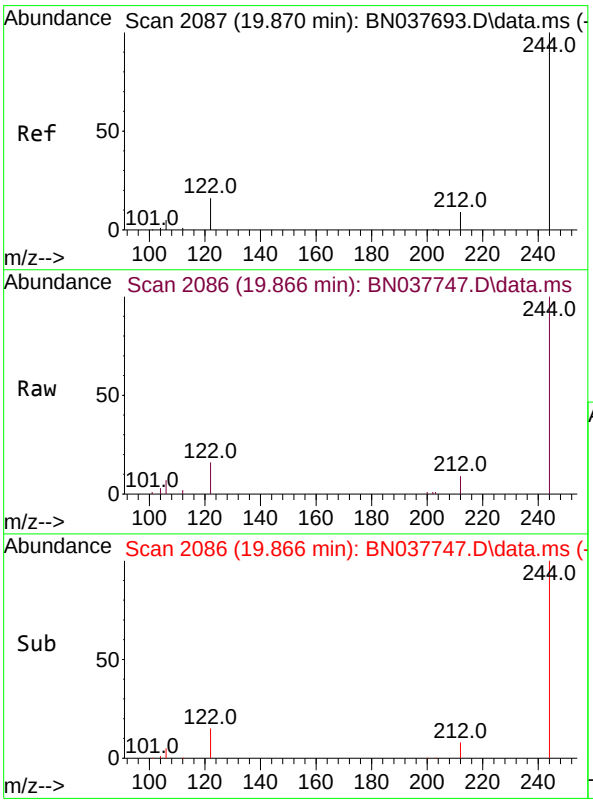
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.411 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN037747.D
Acq: 17 Sep 2025 15:47

Instrument :
BNA_N
ClientSampleId :
MW305I-20250908

Tgt Ion:240 Resp: 10925

Ion	Ratio	Lower	Upper
240	100		
120	17.4	9.2	13.8#
236	28.6	22.6	33.8

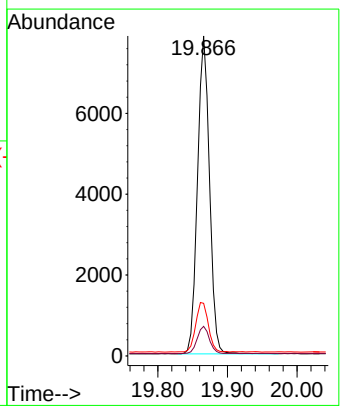


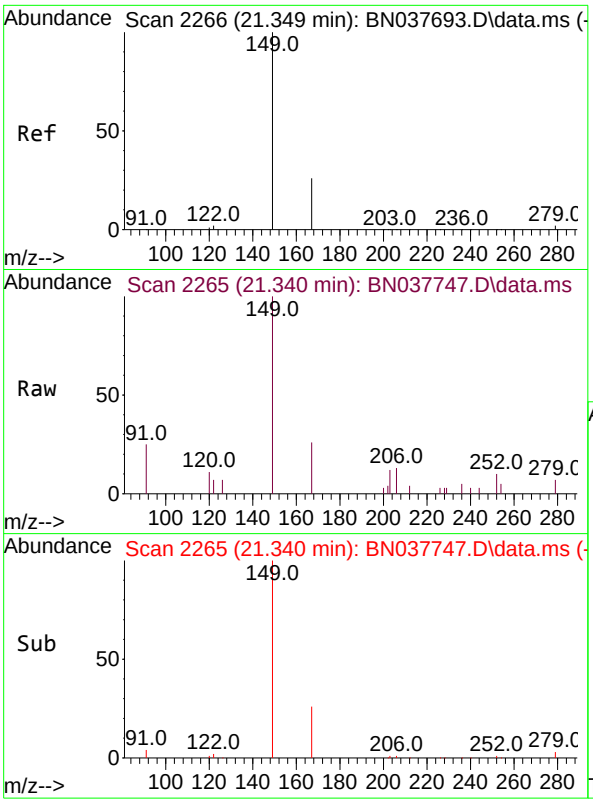


#31
Terphenyl-d14
Concen: 0.422 ng
RT: 19.866 min Scan# 2086
Delta R.T. -0.005 min
Lab File: BN037747.D
Acq: 17 Sep 2025 15:47

Tgt Ion:244 Resp: 9368

Ion	Ratio	Lower	Upper
244	100		
212	9.2	7.5	11.3
122	16.4	13.2	19.8



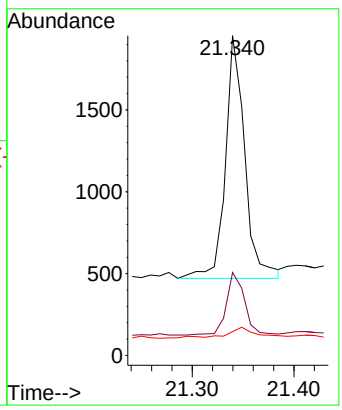


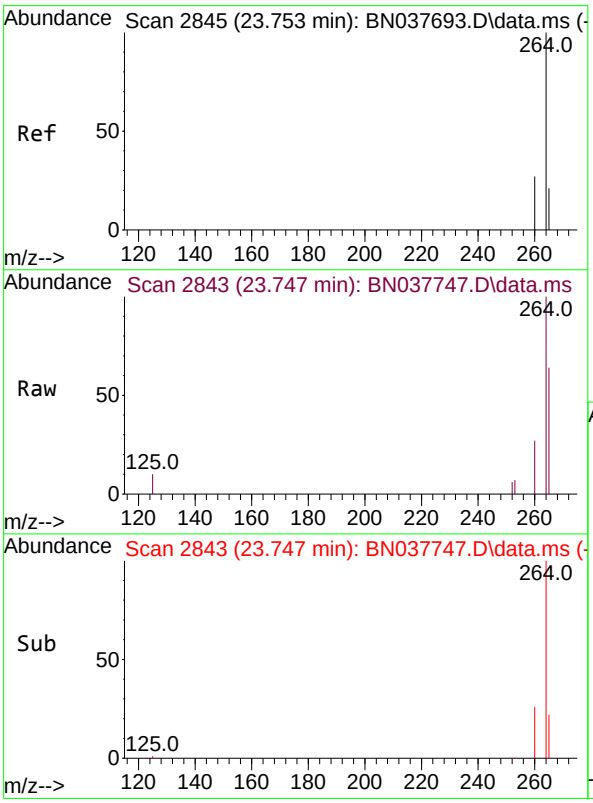
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.174 ng
RT: 21.340 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN037747.D
Acq: 17 Sep 2025 15:47

Instrument :
BNA_N
ClientSampleId :
MW305I-20250908

Tgt Ion:149 Resp: 1967

Ion	Ratio	Lower	Upper
149	100		
167	24.3	20.8	31.2
279	6.1	3.3	4.9#

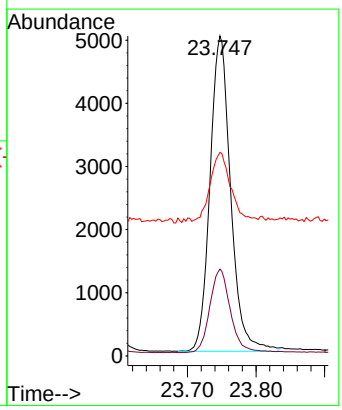


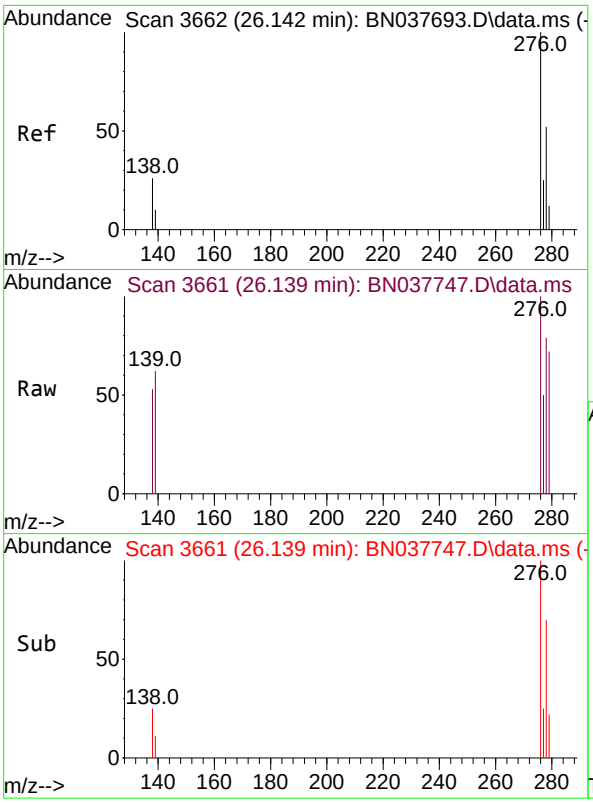


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.747 min Scan# 2843
Delta R.T. -0.006 min
Lab File: BN037747.D
Acq: 17 Sep 2025 15:47

Tgt Ion:264 Resp: 10440

Ion	Ratio	Lower	Upper
264	100		
260	27.1	21.8	32.8
265	63.6	39.4	59.2#



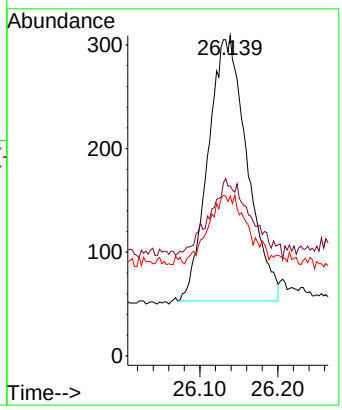


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.020 ng
RT: 26.139 min Scan# 3
Delta R.T. -0.003 min
Lab File: BN037747.D
Acq: 17 Sep 2025 15:47

Instrument :
BNA_N
ClientSampleId :
MW305I-20250908

Tgt Ion:276 Resp: 885

Ion	Ratio	Lower	Upper
276	100		
138	28.8	21.9	32.9
277	13.2	20.1	30.1#



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:	09/08/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	MW179D-20250908	SDG No.:	Q3095
Lab Sample ID:	Q3095-02	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
BN037748.D	1	09/15/25 10:15	09/17/25 16:24	PB169692

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.16	J	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.32		30 - 150		80%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.35		30 - 150		88%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.35		55 - 111		86%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.37		53 - 106		91%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.42		58 - 132		105%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6620	7.84				
1146-65-2	Naphthalene-d8	18100	10.637				
15067-26-2	Acenaphthene-d10	8080	14.494				
1517-22-2	Phenanthrene-d10	13900	17.235				
1719-03-5	Chrysene-d12	11000	21.411				
1520-96-3	Perylene-d12	10700	23.75				

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\BN091725\
Data File : BN037748.D
Acq On : 17 Sep 2025 16:24
Operator : RC/JU
Sample : Q3095-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW179D-20250908

Quant Time: Sep 17 16:56:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

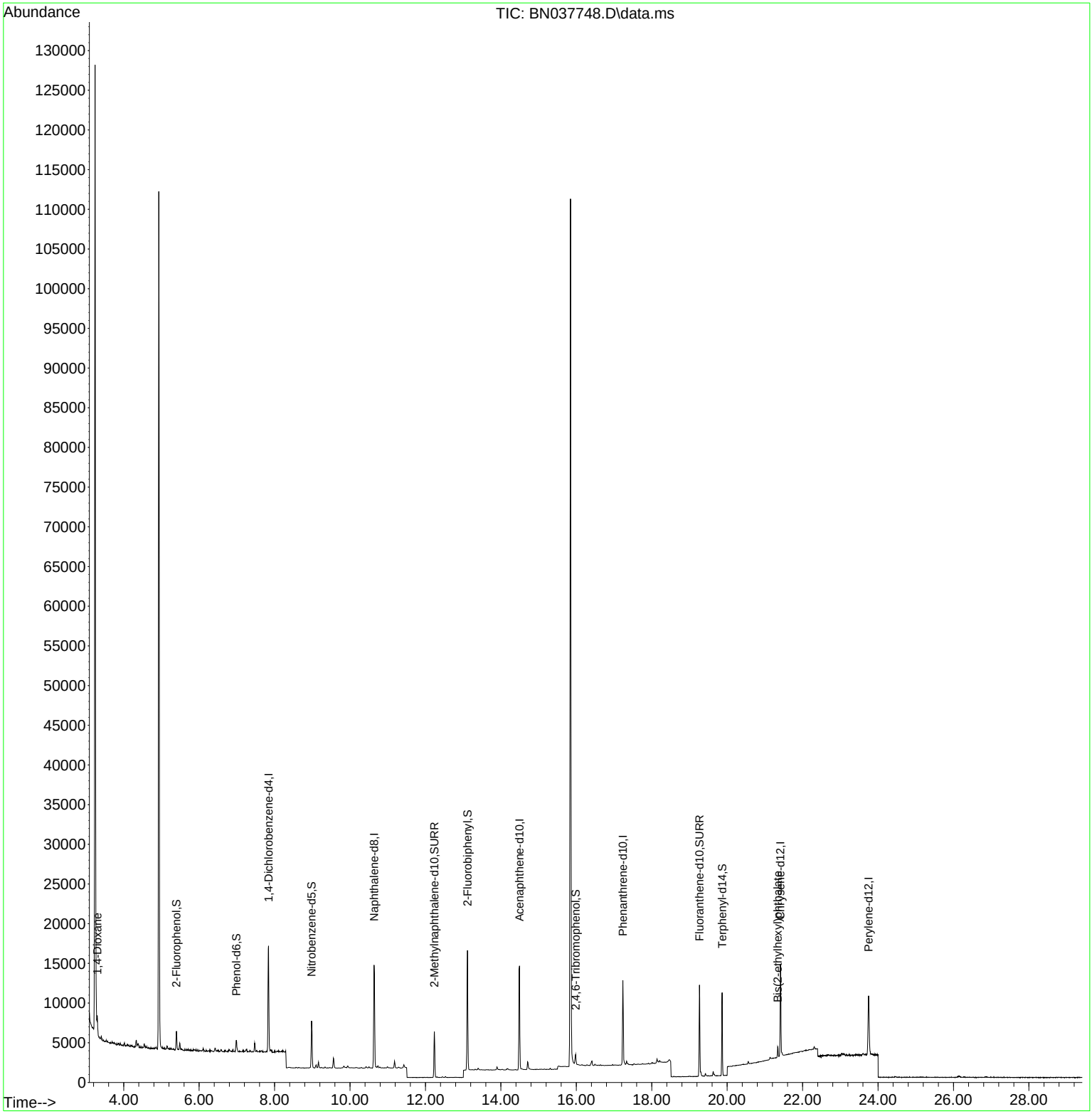
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.840	152	6623	0.400	ng	0.00
7) Naphthalene-d8	10.637	136	18145	0.400	ng	-0.01
13) Acenaphthene-d10	14.494	164	8084	0.400	ng	0.00
19) Phenanthrene-d10	17.235	188	13859	0.400	ng	0.00
29) Chrysene-d12	21.411	240	11041	0.400	ng	# 0.00
35) Perylene-d12	23.750	264	10735	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.399	112	1851	0.122	ng	0.00
5) Phenol-d6	6.988	99	1355	0.069	ng	0.00
8) Nitrobenzene-d5	8.982	82	4579	0.345	ng	-0.01
11) 2-Methylnaphthalene-d10	12.238	152	7689	0.320	ng	0.00
14) 2,4,6-Tribromophenol	15.982	330	820	0.389	ng	0.00
15) 2-Fluorobiphenyl	13.115	172	12379	0.366	ng	0.00
27) Fluoranthene-d10	19.266	212	12259	0.352	ng	0.00
31) Terphenyl-d14	19.866	244	9456	0.422	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.304	88	1113	0.161	ng	# 89
34) Bis(2-ethylhexyl)phtha...	21.339	149	1495	0.131	ng	# 97

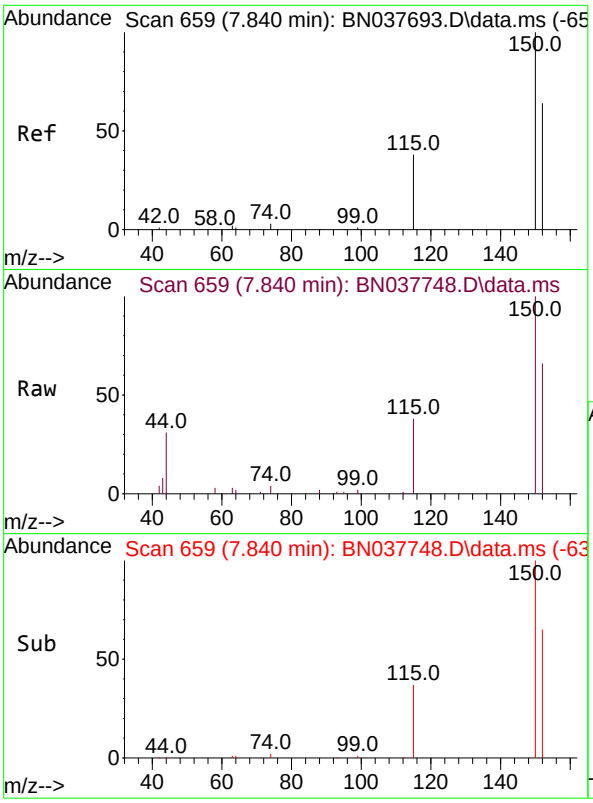
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091725\
Data File : BN037748.D
Acq On : 17 Sep 2025 16:24
Operator : RC/JU
Sample : Q3095-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW179D-20250908

Quant Time: Sep 17 16:56:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration



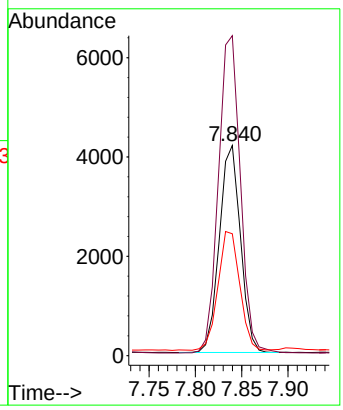


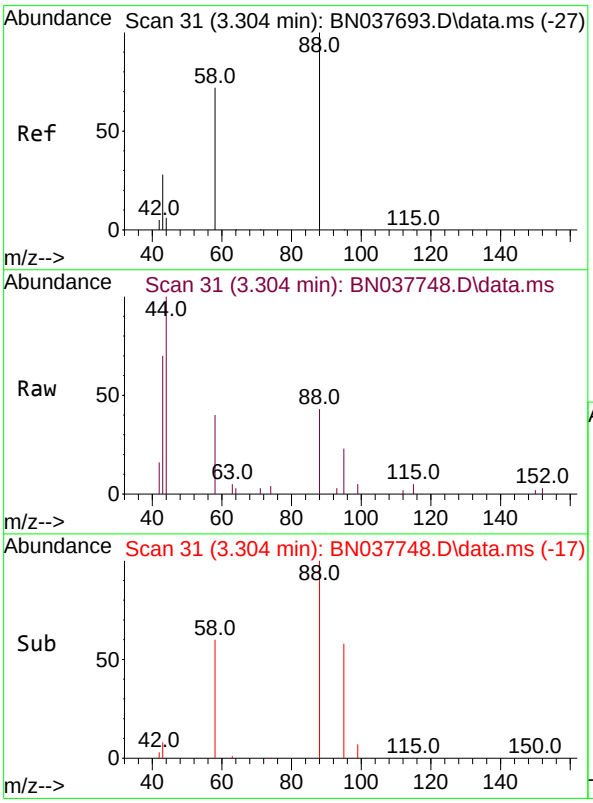
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.840 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN037748.D
Acq: 17 Sep 2025 16:24

Instrument :
BNA_N
ClientSampleId :
MW179D-20250908

Tgt Ion:152 Resp: 6623

Ion	Ratio	Lower	Upper
152	100		
150	152.3	124.5	186.7
115	58.0	49.2	73.8

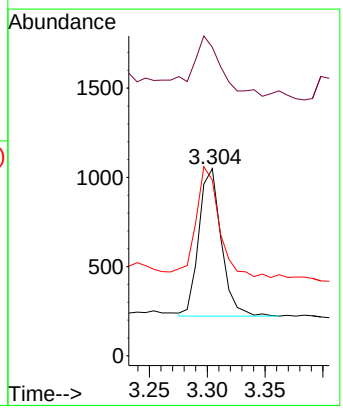


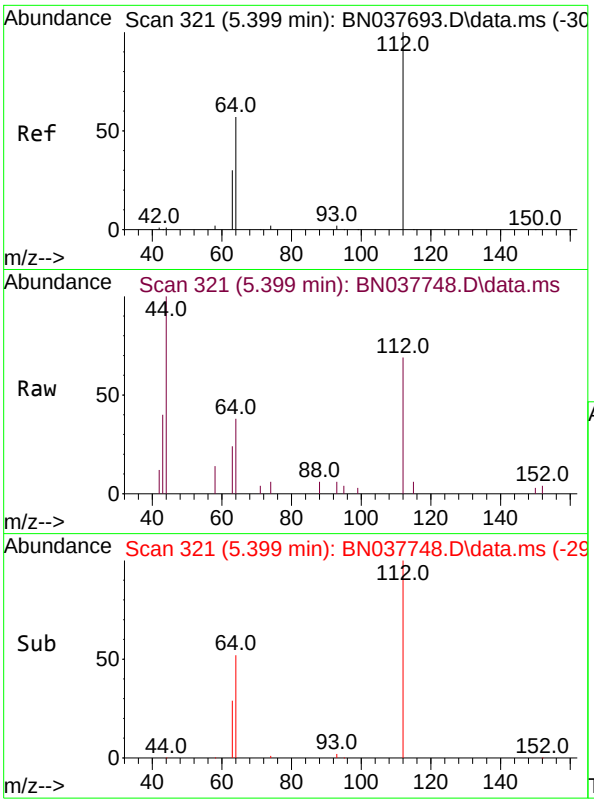


#2
1,4-Dioxane
Concen: 0.161 ng
RT: 3.304 min Scan# 31
Delta R.T. -0.000 min
Lab File: BN037748.D
Acq: 17 Sep 2025 16:24

Tgt Ion: 88 Resp: 1113

Ion	Ratio	Lower	Upper
88	100		
43	52.4	26.8	40.2#
58	78.7	61.9	92.9



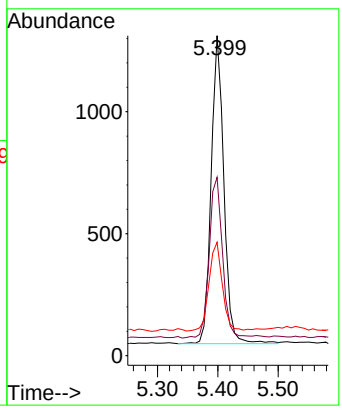


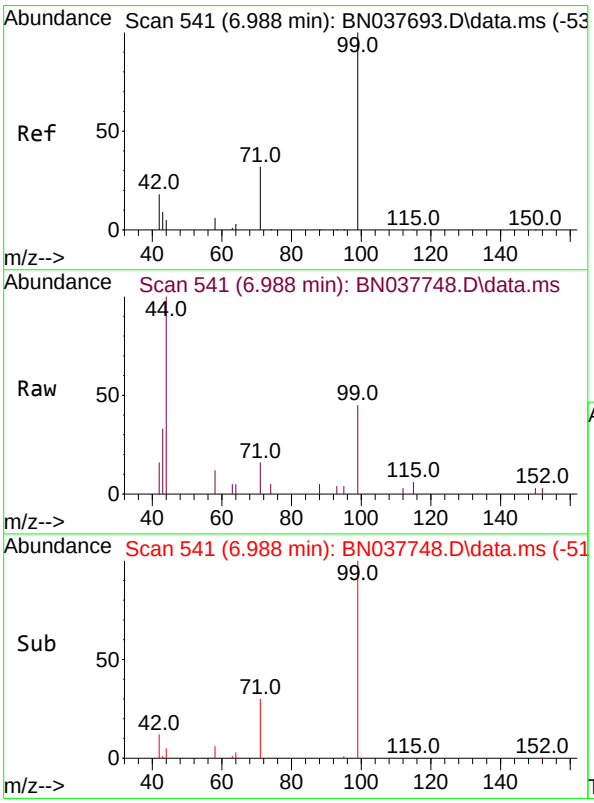
#4
2-Fluorophenol
Concen: 0.122 ng
RT: 5.399 min Scan# 3
Delta R.T. -0.000 min
Lab File: BN037748.D
Acq: 17 Sep 2025 16:24

Instrument :
BNA_N
ClientSampleId :
MW179D-20250908

Tgt Ion:112 Resp: 1851

Ion	Ratio	Lower	Upper
112	100		
64	54.7	44.9	67.3
63	30.0	24.7	37.1

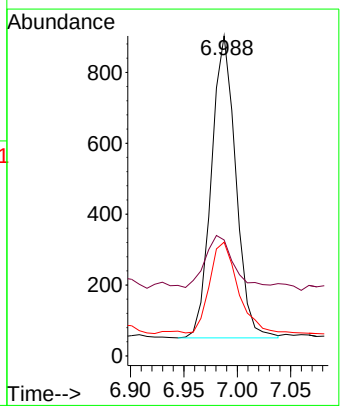


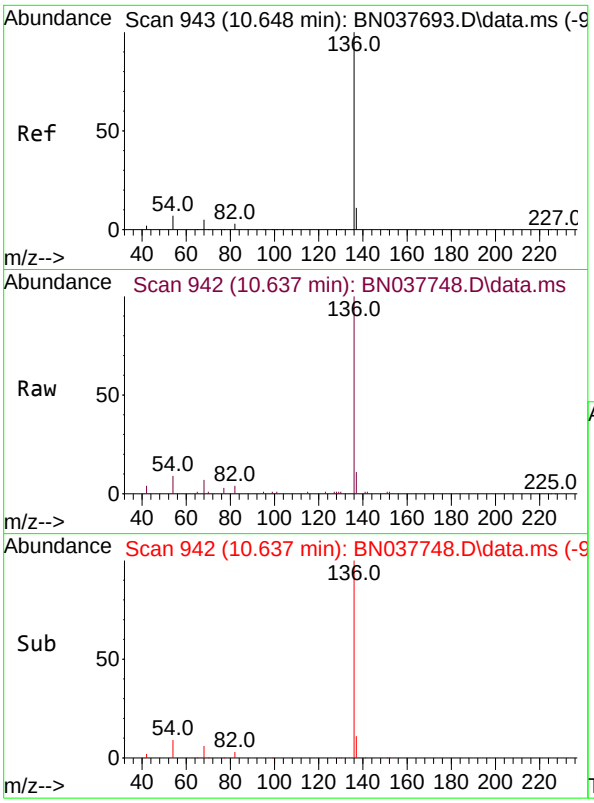


#5
Phenol-d6
Concen: 0.069 ng
RT: 6.988 min Scan# 541
Delta R.T. -0.000 min
Lab File: BN037748.D
Acq: 17 Sep 2025 16:24

Tgt Ion: 99 Resp: 1355

Ion	Ratio	Lower	Upper
99	100		
42	20.7	16.6	24.8
71	36.5	26.7	40.1



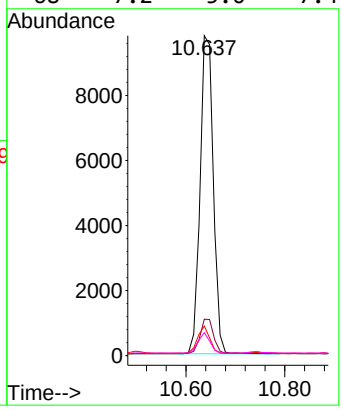


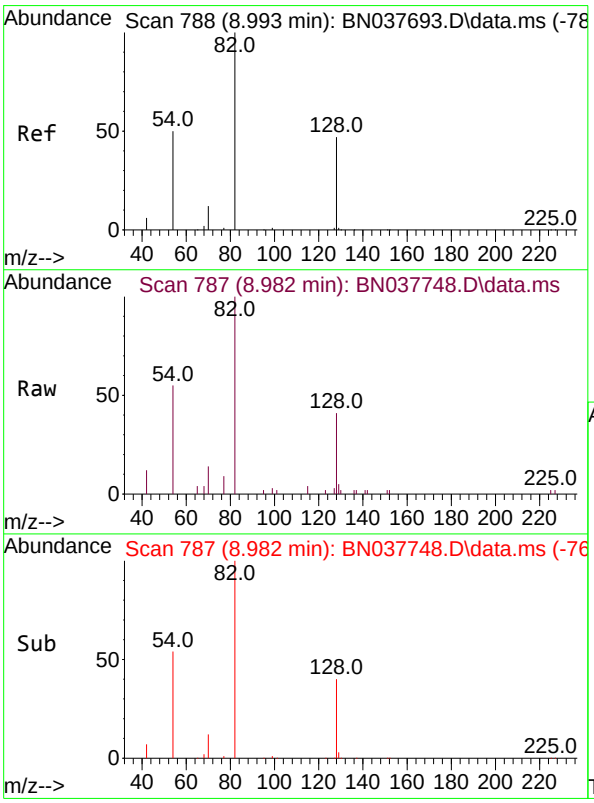
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.637 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037748.D
Acq: 17 Sep 2025 16:24

Instrument :
BNA_N
ClientSampleId :
MW179D-20250908

Tgt Ion:136 Resp: 18145

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	9.2	6.3	9.5
68	7.2	5.0	7.4

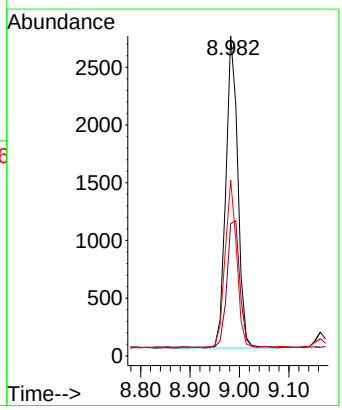


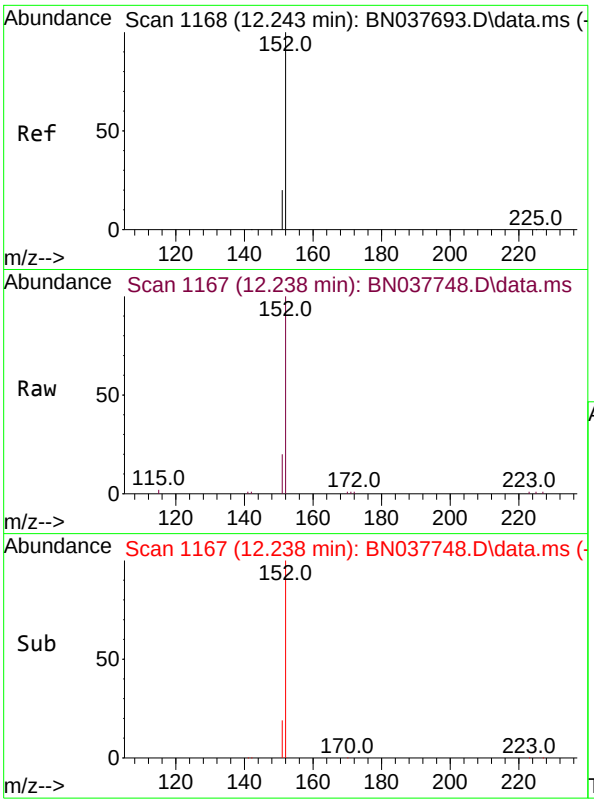


#8
Nitrobenzene-d5
Concen: 0.345 ng
RT: 8.982 min Scan# 787
Delta R.T. -0.011 min
Lab File: BN037748.D
Acq: 17 Sep 2025 16:24

Tgt Ion: 82 Resp: 4579

Ion	Ratio	Lower	Upper
82	100		
128	41.3	38.3	57.5
54	54.9	41.4	62.2



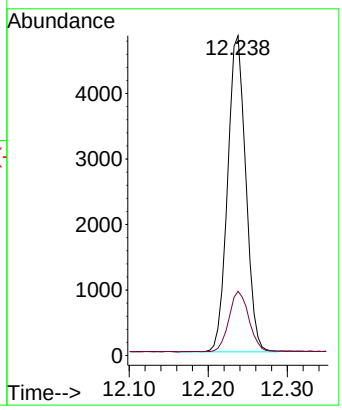


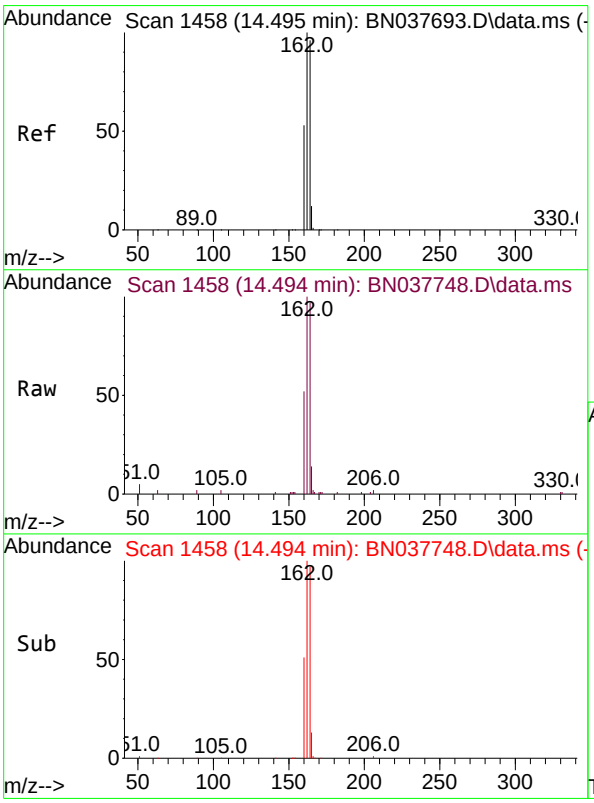
#11
2-Methylnaphthalene-d10
Concen: 0.320 ng
RT: 12.238 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN037748.D
Acq: 17 Sep 2025 16:24

Instrument :
BNA_N
ClientSampleId :
MW179D-20250908

Tgt Ion:152 Resp: 7689

Ion	Ratio	Lower	Upper
152	100		
151	21.1	17.0	25.6

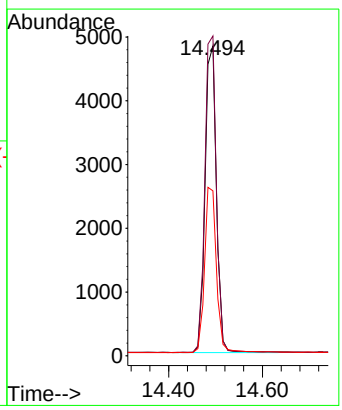


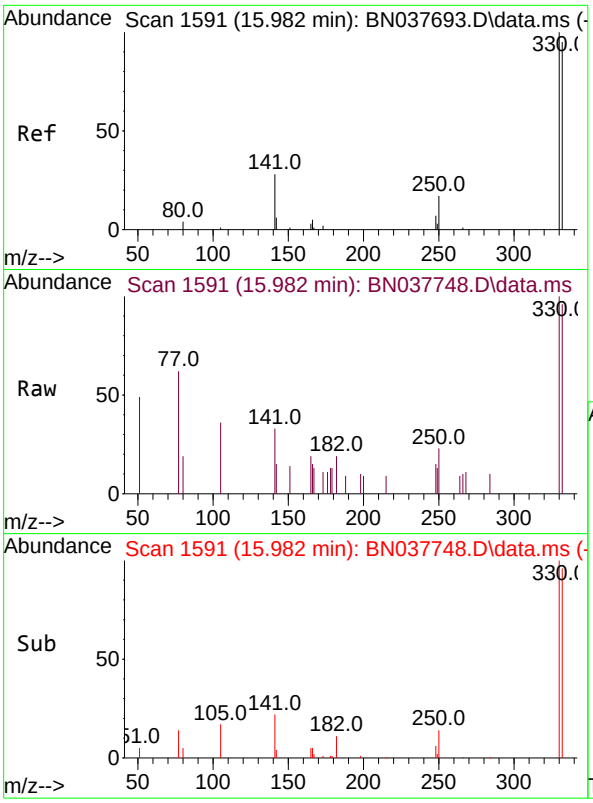


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.494 min Scan# 1458
Delta R.T. -0.000 min
Lab File: BN037748.D
Acq: 17 Sep 2025 16:24

Tgt Ion:164 Resp: 8084

Ion	Ratio	Lower	Upper
164	100		
162	103.3	83.1	124.7
160	53.3	44.3	66.5



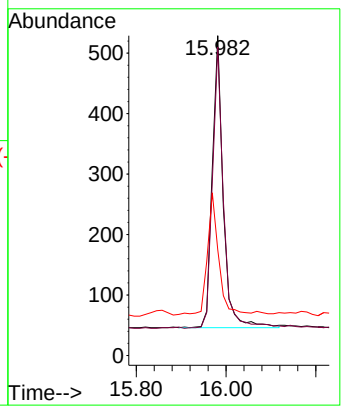


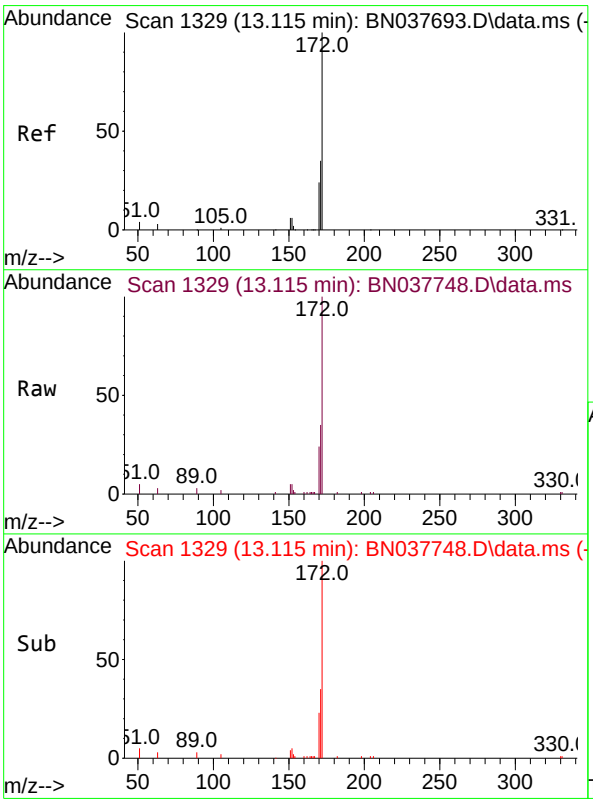
#14
2,4,6-Tribromophenol
Concen: 0.389 ng
RT: 15.982 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037748.D
Acq: 17 Sep 2025 16:24

Instrument :
BNA_N
ClientSampleId :
MW179D-20250908

Tgt Ion:330 Resp: 820

Ion	Ratio	Lower	Upper
330	100		
332	98.2	75.3	112.9
141	42.6	35.0	52.4

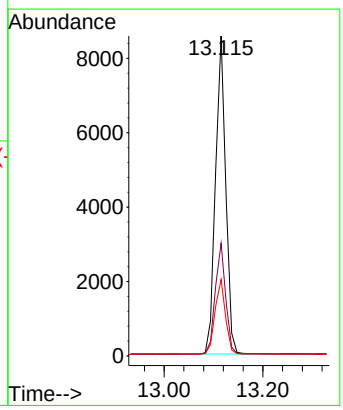


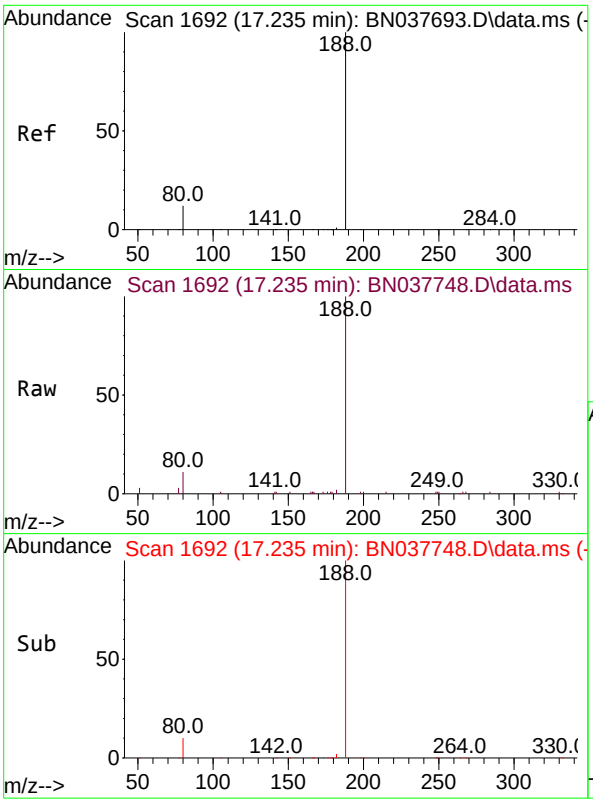


#15
2-Fluorobiphenyl
Concen: 0.366 ng
RT: 13.115 min Scan# 1329
Delta R.T. -0.000 min
Lab File: BN037748.D
Acq: 17 Sep 2025 16:24

Tgt Ion:172 Resp: 12379

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.6	43.0
170	23.9	19.8	29.8



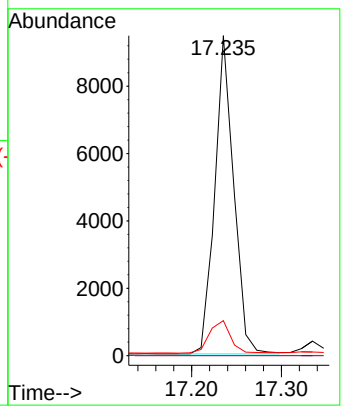


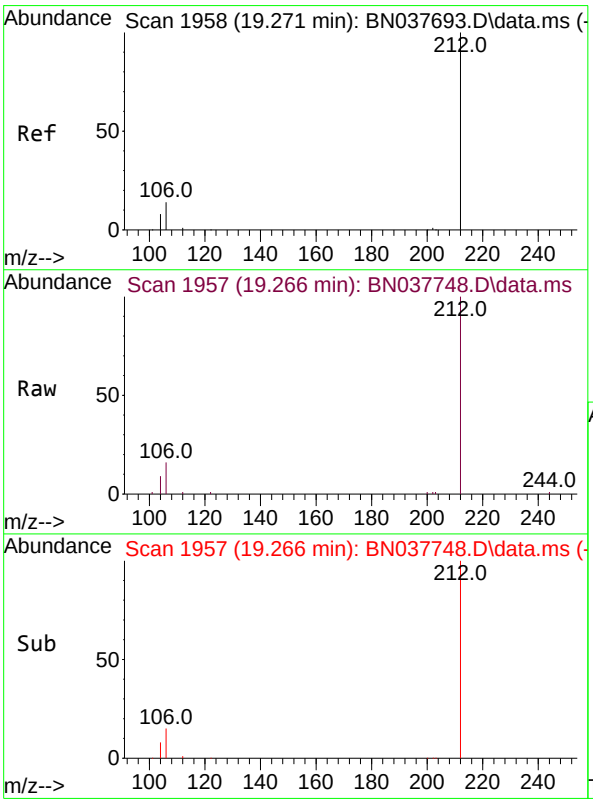
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.235 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037748.D
Acq: 17 Sep 2025 16:24

Instrument :
BNA_N
ClientSampleId :
MW179D-20250908

Tgt Ion:188 Resp: 13859

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.9	10.6	15.8

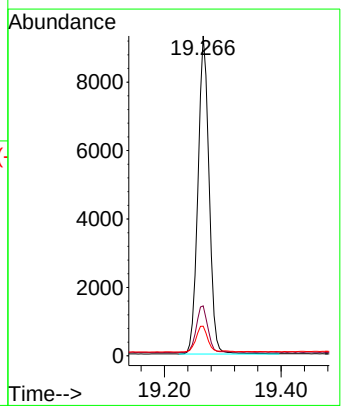


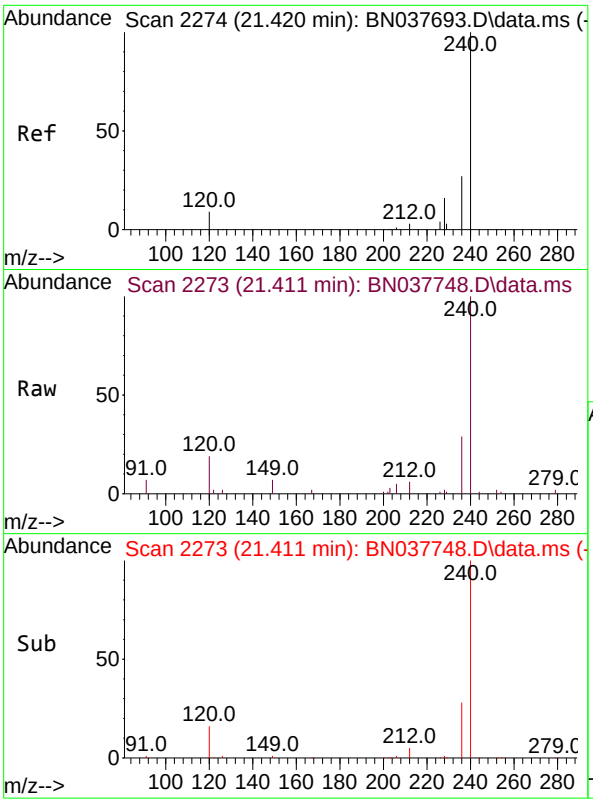


#27
Fluoranthene-d10
Concen: 0.352 ng
RT: 19.266 min Scan# 1957
Delta R.T. -0.005 min
Lab File: BN037748.D
Acq: 17 Sep 2025 16:24

Tgt Ion:212 Resp: 12259

Ion	Ratio	Lower	Upper
212	100		
106	15.5	12.2	18.2
104	8.5	6.9	10.3



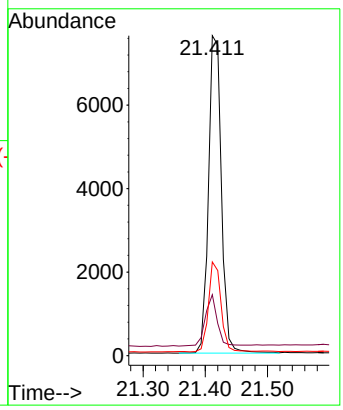


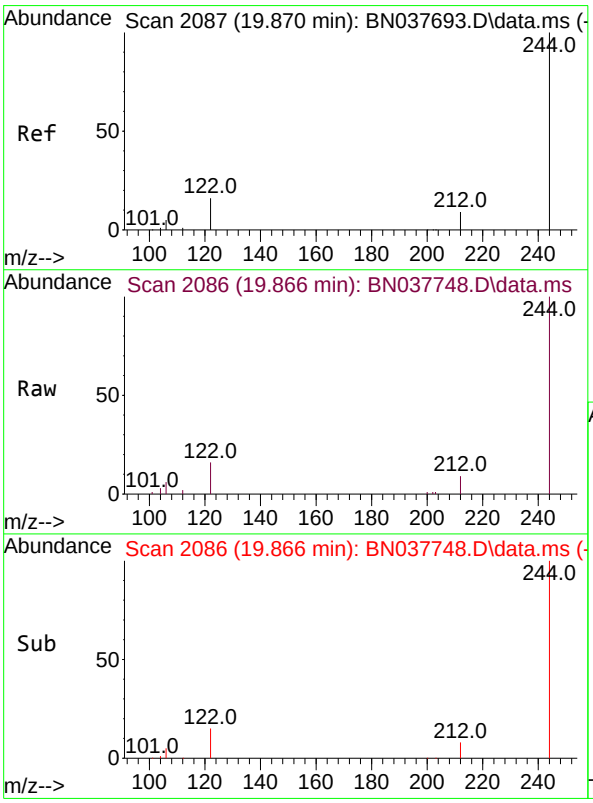
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.411 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN037748.D
Acq: 17 Sep 2025 16:24

Instrument :
BNA_N
ClientSampleId :
MW179D-20250908

Tgt Ion:240 Resp: 11041

Ion	Ratio	Lower	Upper
240	100		
120	19.0	9.2	13.8#
236	29.3	22.6	33.8

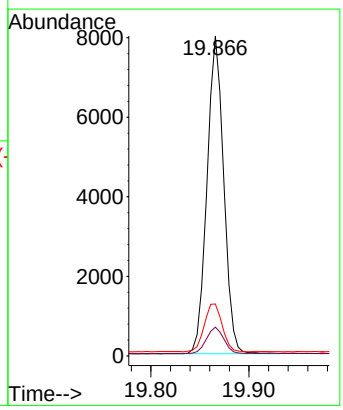


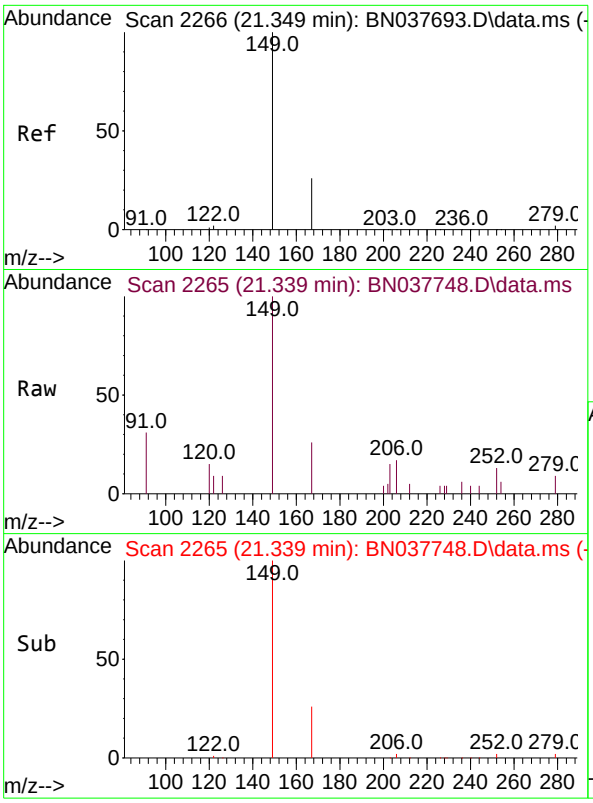


#31
Terphenyl-d14
Concen: 0.422 ng
RT: 19.866 min Scan# 2086
Delta R.T. -0.005 min
Lab File: BN037748.D
Acq: 17 Sep 2025 16:24

Tgt Ion:244 Resp: 9456

Ion	Ratio	Lower	Upper
244	100		
212	9.0	7.5	11.3
122	16.2	13.2	19.8



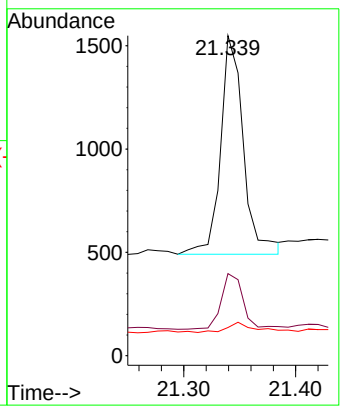


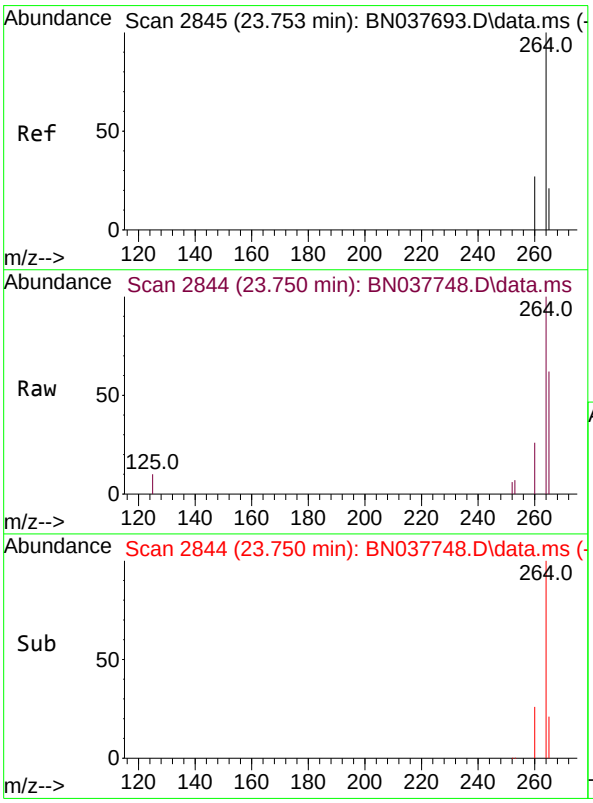
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.131 ng
RT: 21.339 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN037748.D
Acq: 17 Sep 2025 16:24

Instrument :
BNA_N
ClientSampleId :
MW179D-20250908

Tgt Ion:149 Resp: 1495

Ion	Ratio	Lower	Upper
149	100		
167	24.7	20.8	31.2
279	6.2	3.3	4.9#

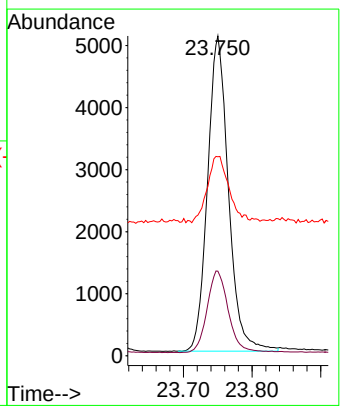




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.750 min Scan# 2844
Delta R.T. -0.003 min
Lab File: BN037748.D
Acq: 17 Sep 2025 16:24

Tgt Ion:264 Resp: 10735

Ion	Ratio	Lower	Upper
264	100		
260	26.5	21.8	32.8
265	62.2	39.4	59.2#



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:	09/08/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	MW201D-20250908	SDG No.:	Q3095
Lab Sample ID:	Q3095-03	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
BN037749.D	1	09/15/25 10:15	09/17/25 17:00	PB169692

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	5.90	E	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.30		30 - 150		74%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.36		30 - 150		91%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.33		55 - 111		82%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.33		53 - 106		83%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.39		58 - 132		98%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6460	7.84				
1146-65-2	Naphthalene-d8	17400	10.637				
15067-26-2	Acenaphthene-d10	7810	14.495				
1517-22-2	Phenanthrene-d10	14100	17.235				
1719-03-5	Chrysene-d12	12200	21.411				
1520-96-3	Perylene-d12	12000	23.747				

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\BN091725\
Data File : BN037749.D
Acq On : 17 Sep 2025 17:00
Operator : RC/JU
Sample : Q3095-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW201D-20250908

Quant Time: Sep 17 17:28:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

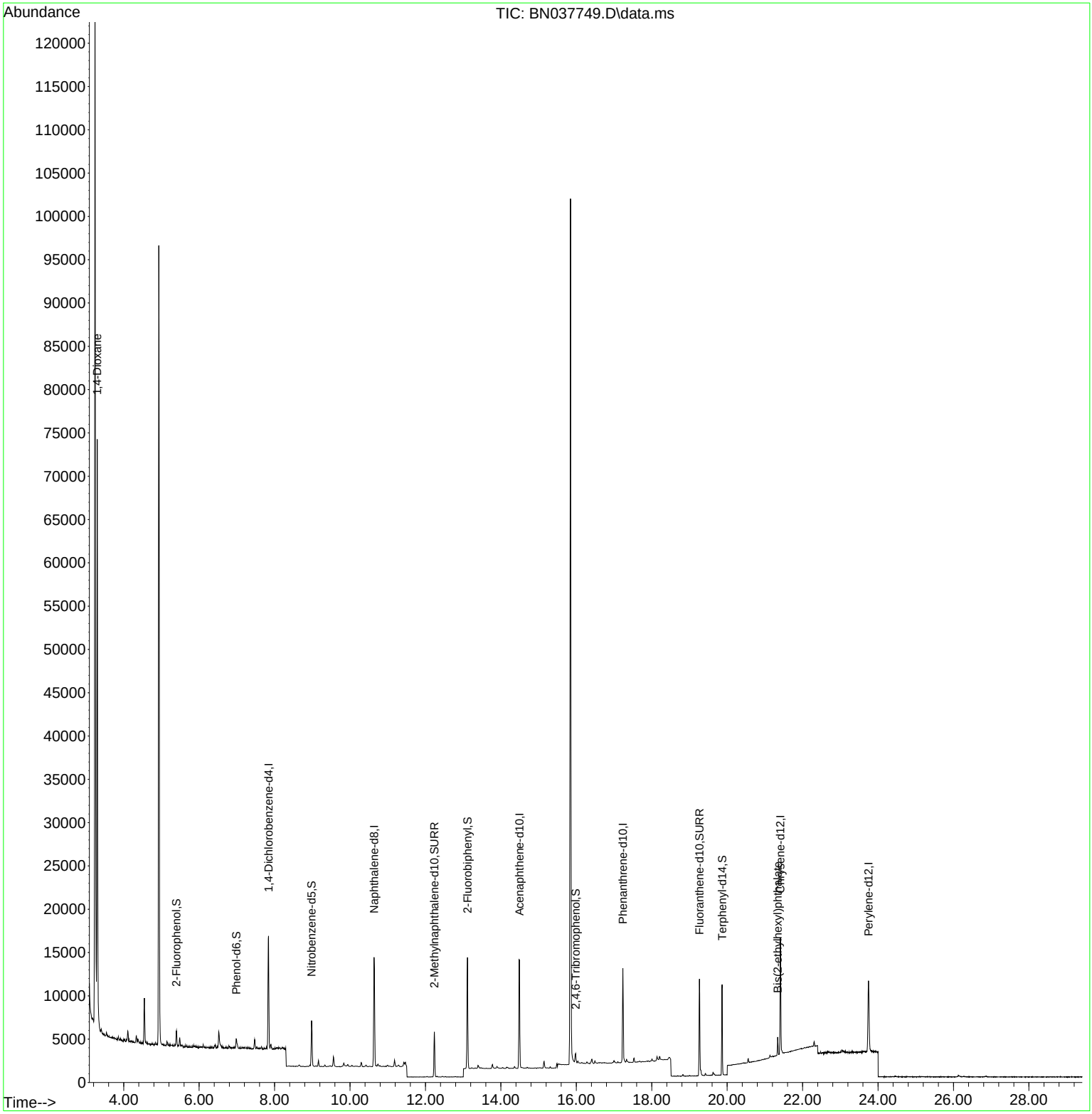
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.840	152	6464	0.400	ng	0.00
7) Naphthalene-d8	10.637	136	17423	0.400	ng	-0.01
13) Acenaphthene-d10	14.495	164	7814	0.400	ng	0.00
19) Phenanthrene-d10	17.235	188	14079	0.400	ng	# 0.00
29) Chrysene-d12	21.411	240	12160	0.400	ng	# 0.00
35) Perylene-d12	23.747	264	12015	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.399	112	1448	0.098	ng	0.00
5) Phenol-d6	6.988	99	1049	0.055	ng	0.00
8) Nitrobenzene-d5	8.982	82	4184	0.328	ng	-0.01
11) 2-Methylnaphthalene-d10	12.238	152	6835	0.296	ng	0.00
14) 2,4,6-Tribromophenol	15.982	330	696	0.342	ng	0.00
15) 2-Fluorobiphenyl	13.115	172	10870	0.333	ng	0.00
27) Fluoranthene-d10	19.267	212	12815	0.363	ng	0.00
31) Terphenyl-d14	19.866	244	9711	0.393	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.297	88	39911	5.928	ng	93
34) Bis(2-ethylhexyl)phtha...	21.340	149	1977	0.157	ng	99

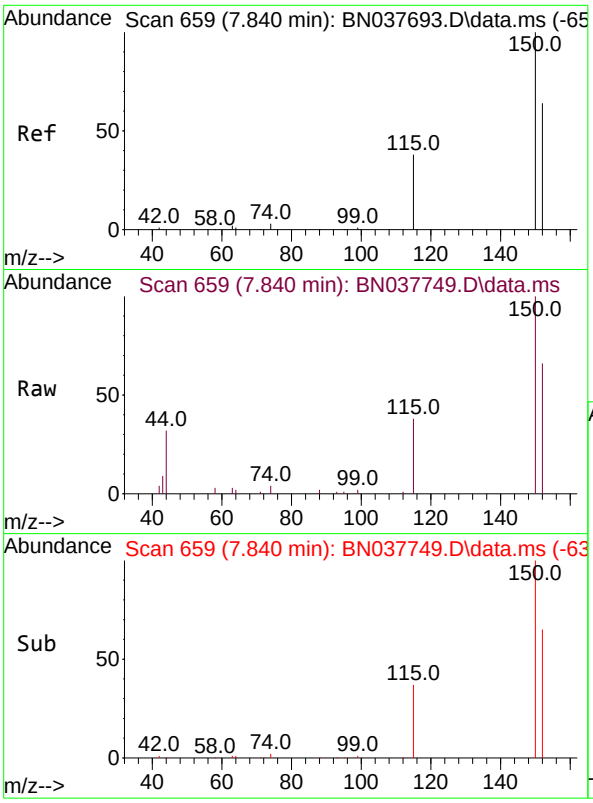
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091725\
Data File : BN037749.D
Acq On : 17 Sep 2025 17:00
Operator : RC/JU
Sample : Q3095-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW201D-20250908

Quant Time: Sep 17 17:28:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration



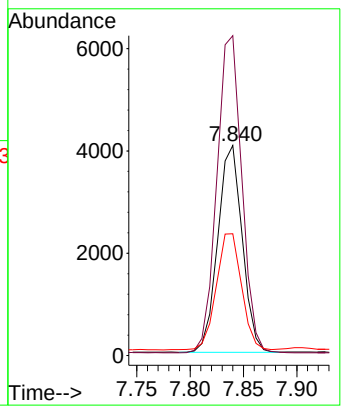


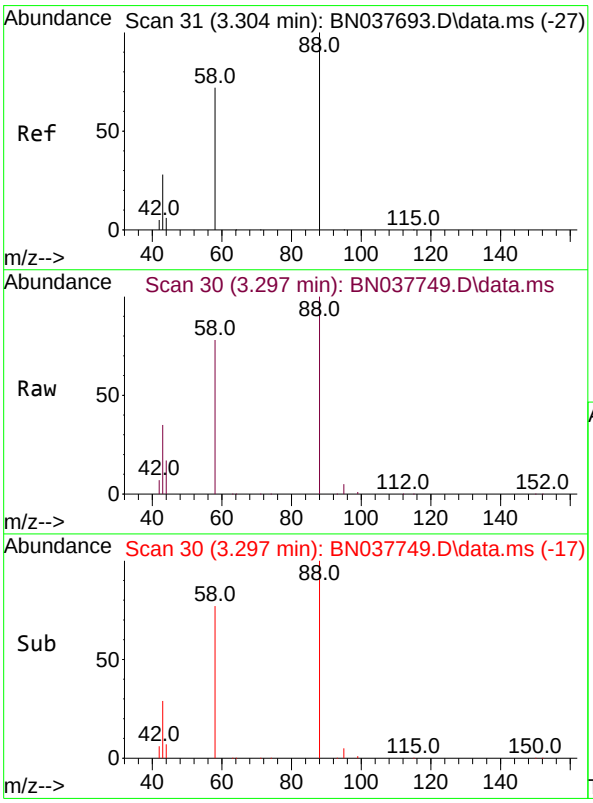
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.840 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN037749.D
Acq: 17 Sep 2025 17:00

Instrument :
BNA_N
ClientSampleId :
MW201D-20250908

Tgt Ion:152 Resp: 6464

Ion	Ratio	Lower	Upper
152	100		
150	152.3	124.5	186.7
115	57.9	49.2	73.8

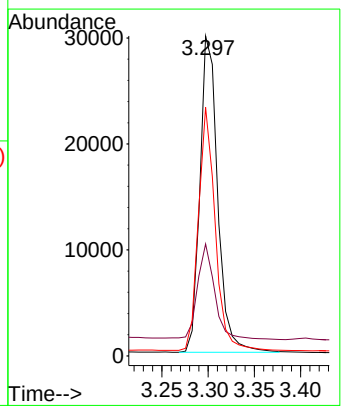


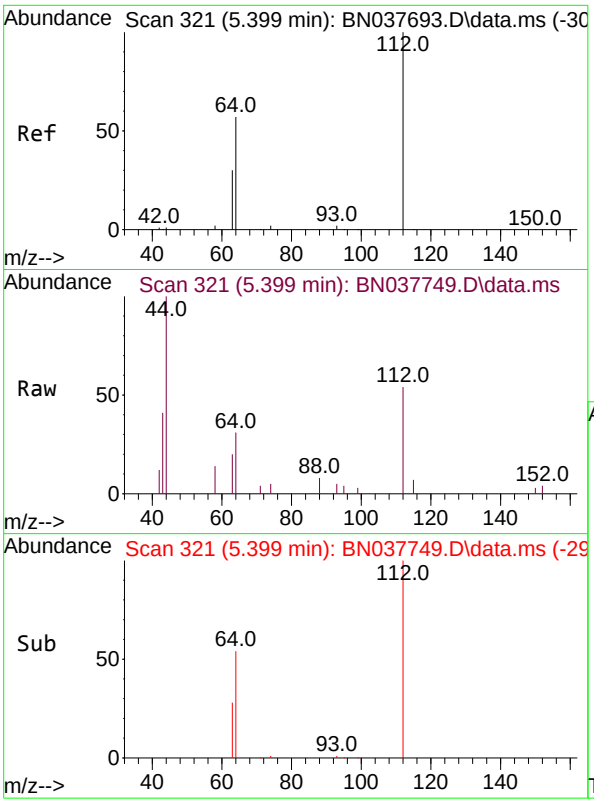


#2
1,4-Dioxane
Concen: 5.928 ng
RT: 3.297 min Scan# 30
Delta R.T. -0.007 min
Lab File: BN037749.D
Acq: 17 Sep 2025 17:00

Tgt Ion: 88 Resp: 39911

Ion	Ratio	Lower	Upper
88	100		
43	29.3	26.8	40.2
58	72.0	61.9	92.9



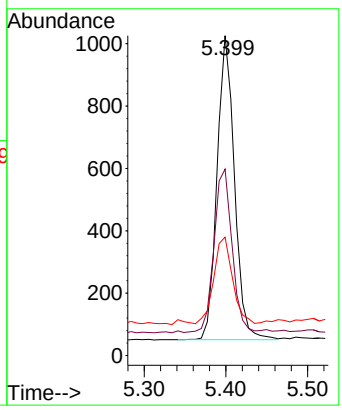


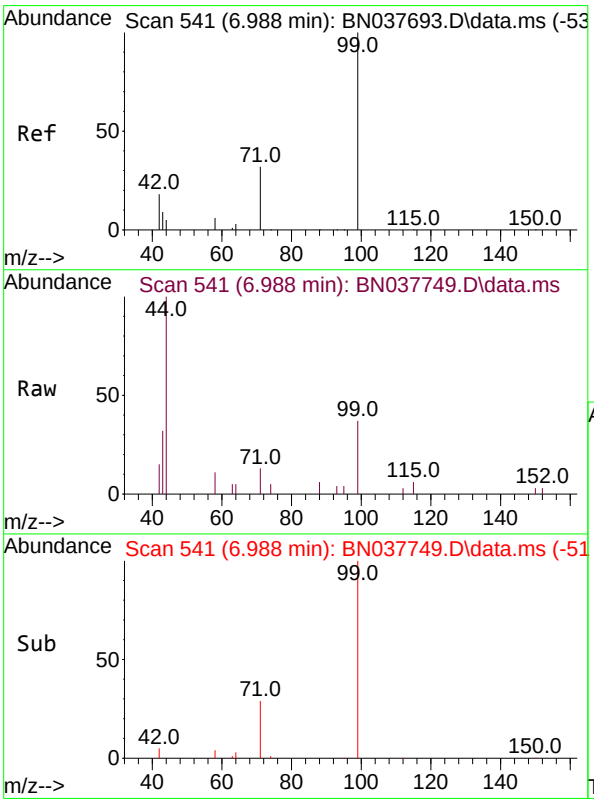
#4
2-Fluorophenol
Concen: 0.098 ng
RT: 5.399 min Scan# 3
Delta R.T. -0.000 min
Lab File: BN037749.D
Acq: 17 Sep 2025 17:00

Instrument :
BNA_N
ClientSampleId :
MW201D-20250908

Tgt Ion:112 Resp: 1448

Ion	Ratio	Lower	Upper
112	100		
64	55.5	44.9	67.3
63	30.6	24.7	37.1

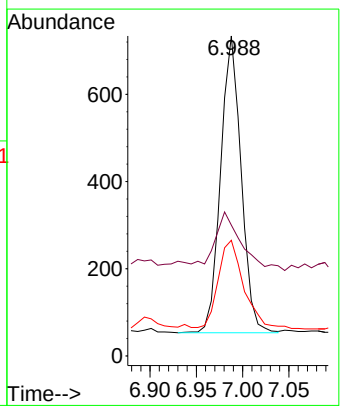


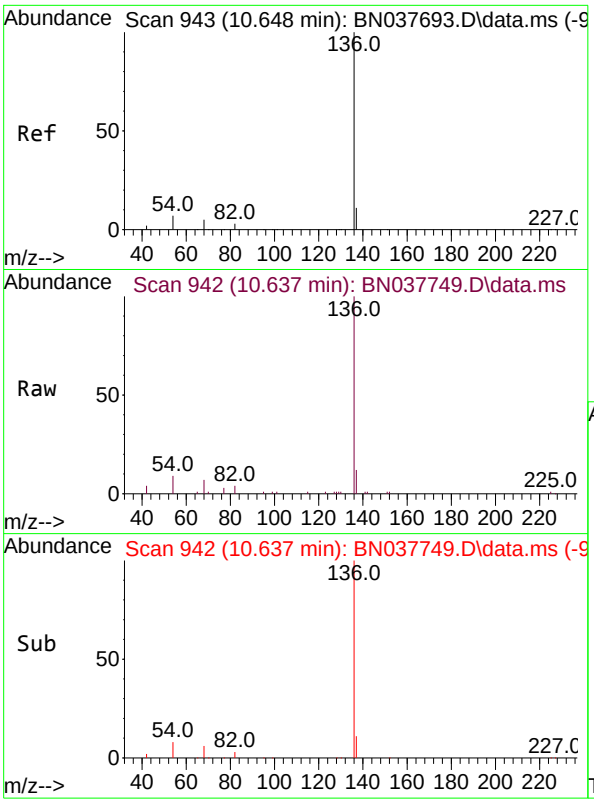


#5
Phenol-d6
Concen: 0.055 ng
RT: 6.988 min Scan# 541
Delta R.T. -0.000 min
Lab File: BN037749.D
Acq: 17 Sep 2025 17:00

Tgt Ion: 99 Resp: 1049

Ion	Ratio	Lower	Upper
99	100		
42	25.7	16.6	24.8#
71	39.2	26.7	40.1



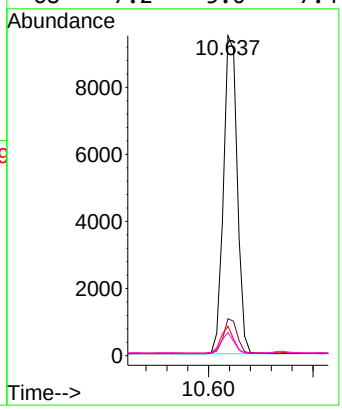


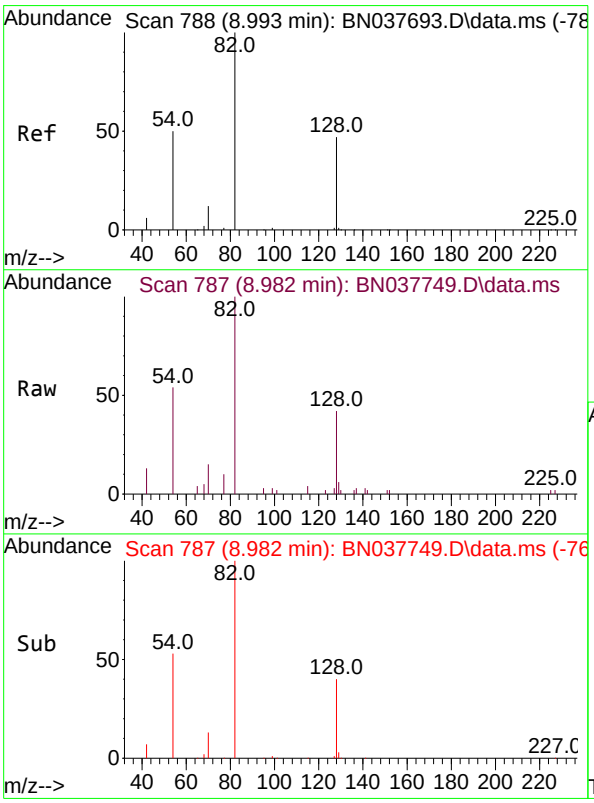
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.637 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037749.D
Acq: 17 Sep 2025 17:00

Instrument :
BNA_N
ClientSampleId :
MW201D-20250908

Tgt Ion:136 Resp: 17423

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.1	13.7
54	9.2	6.3	9.5
68	7.2	5.0	7.4

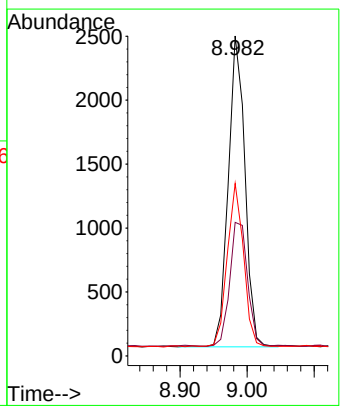


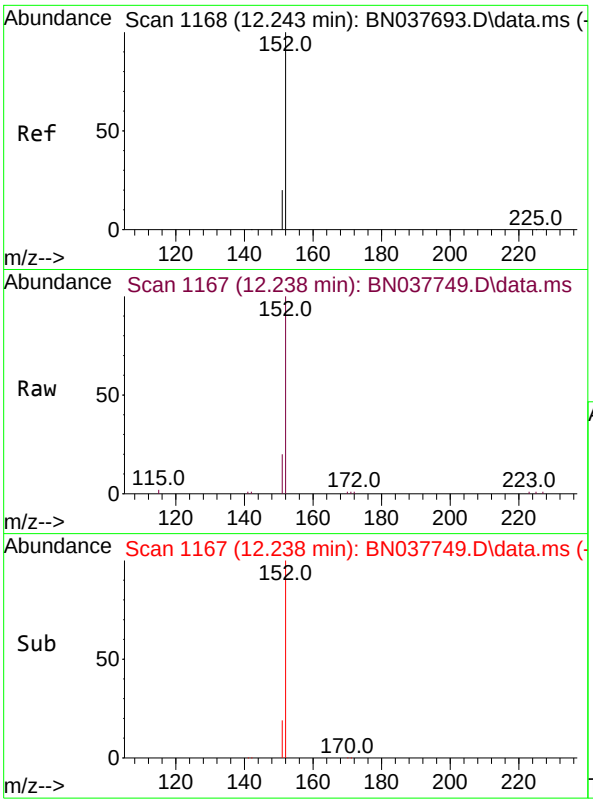


#8
Nitrobenzene-d5
Concen: 0.328 ng
RT: 8.982 min Scan# 787
Delta R.T. -0.011 min
Lab File: BN037749.D
Acq: 17 Sep 2025 17:00

Tgt Ion: 82 Resp: 4184

Ion	Ratio	Lower	Upper
82	100		
128	41.7	38.3	57.5
54	53.9	41.4	62.2



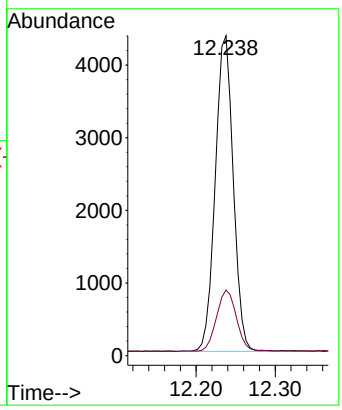


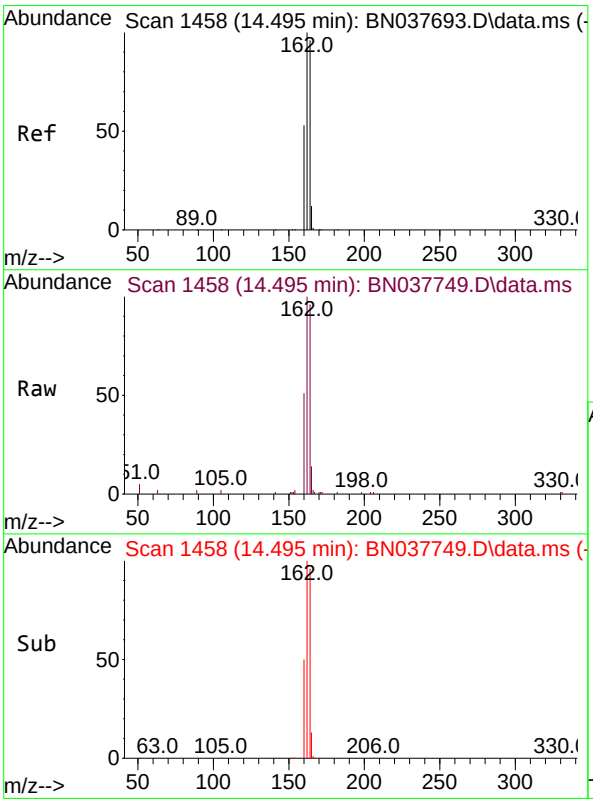
#11
2-Methylnaphthalene-d10
Concen: 0.296 ng
RT: 12.238 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN037749.D
Acq: 17 Sep 2025 17:00

Instrument :
BNA_N
ClientSampleId :
MW201D-20250908

Tgt Ion:152 Resp: 6835

Ion	Ratio	Lower	Upper
152	100		
151	21.6	17.0	25.6

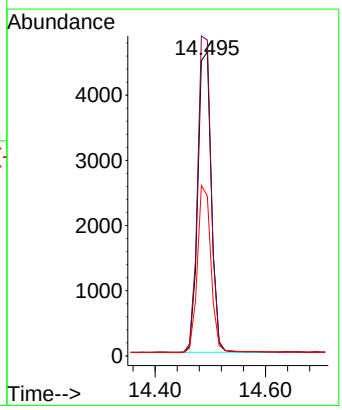


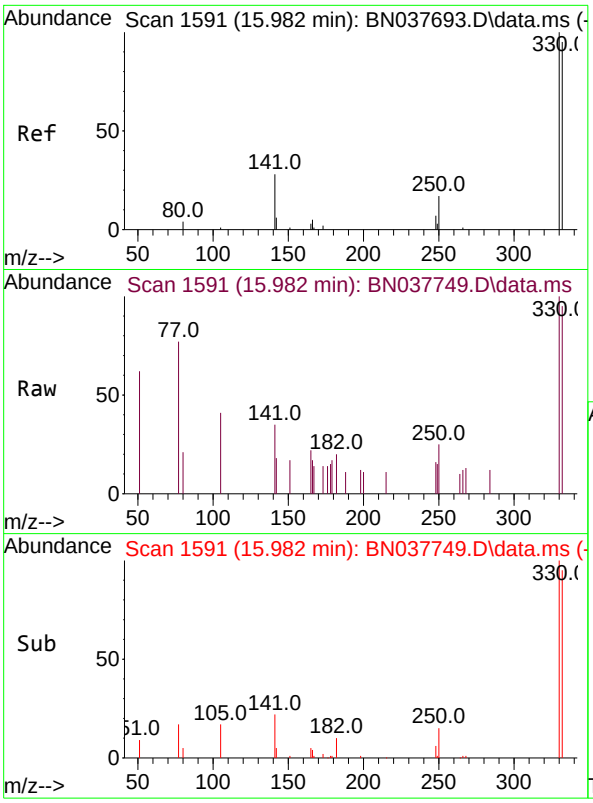


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.495 min Scan# 1458
Delta R.T. -0.000 min
Lab File: BN037749.D
Acq: 17 Sep 2025 17:00

Tgt Ion:164 Resp: 7814

Ion	Ratio	Lower	Upper
164	100		
162	103.9	83.1	124.7
160	52.6	44.3	66.5



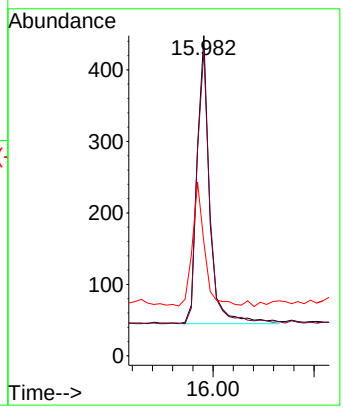


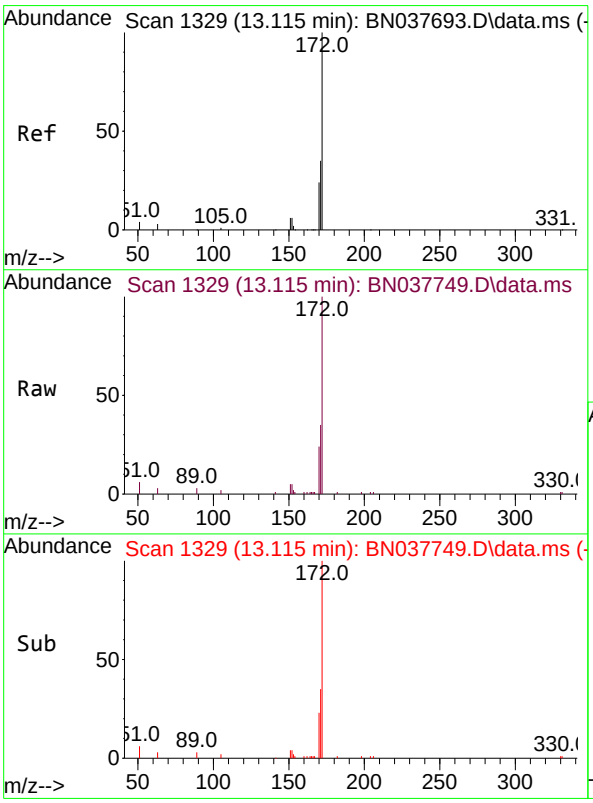
#14
2,4,6-Tribromophenol
Concen: 0.342 ng
RT: 15.982 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037749.D
Acq: 17 Sep 2025 17:00

Instrument :
BNA_N
ClientSampleId :
MW201D-20250908

Tgt Ion:330 Resp: 696

Ion	Ratio	Lower	Upper
330	100		
332	96.3	75.3	112.9
141	42.1	35.0	52.4

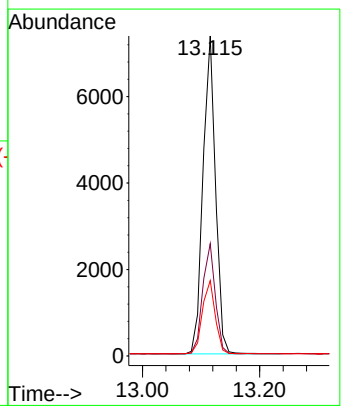


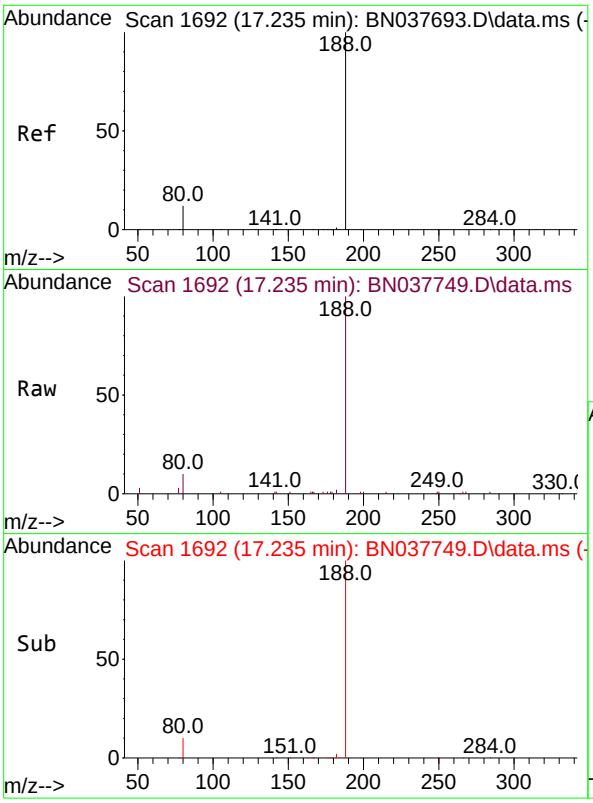


#15
2-Fluorobiphenyl
Concen: 0.333 ng
RT: 13.115 min Scan# 1329
Delta R.T. -0.000 min
Lab File: BN037749.D
Acq: 17 Sep 2025 17:00

Tgt Ion:172 Resp: 10870

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.6	43.0
170	23.5	19.8	29.8



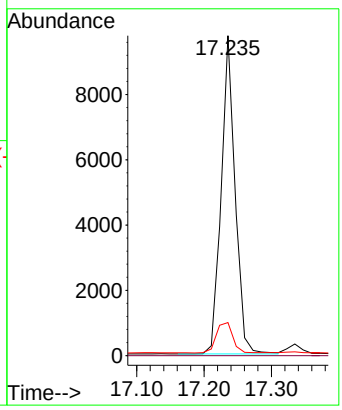


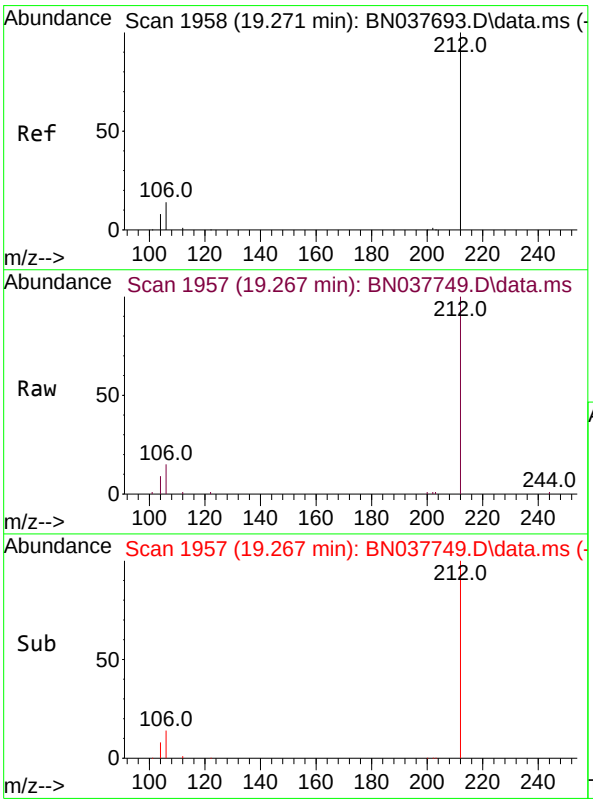
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.235 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037749.D
Acq: 17 Sep 2025 17:00

Instrument :
BNA_N
ClientSampleId :
MW201D-20250908

Tgt Ion:188 Resp: 14079

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.3	10.6	15.8#

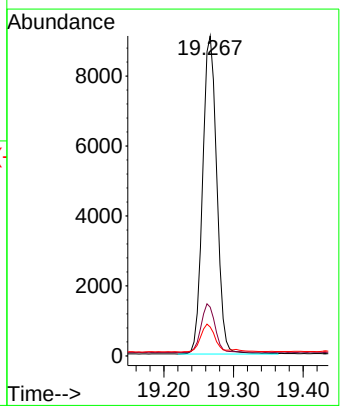


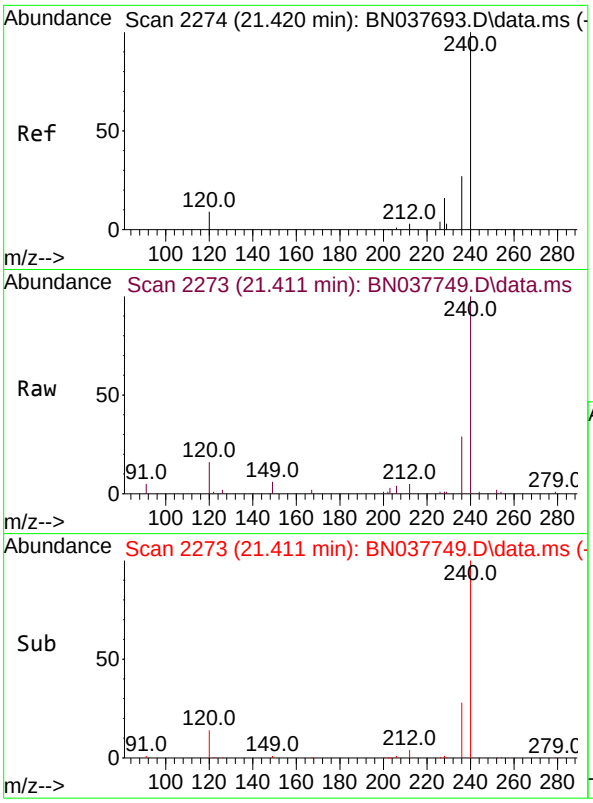


#27
Fluoranthene-d10
Concen: 0.363 ng
RT: 19.267 min Scan# 1957
Delta R.T. -0.005 min
Lab File: BN037749.D
Acq: 17 Sep 2025 17:00

Tgt Ion:212 Resp: 12815

Ion	Ratio	Lower	Upper
212	100		
106	15.3	12.2	18.2
104	8.7	6.9	10.3



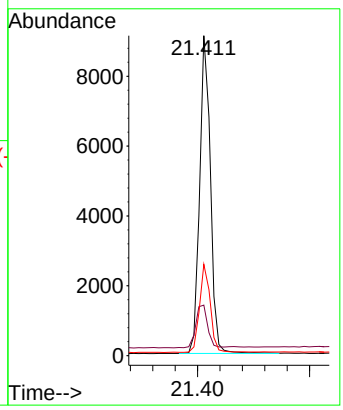


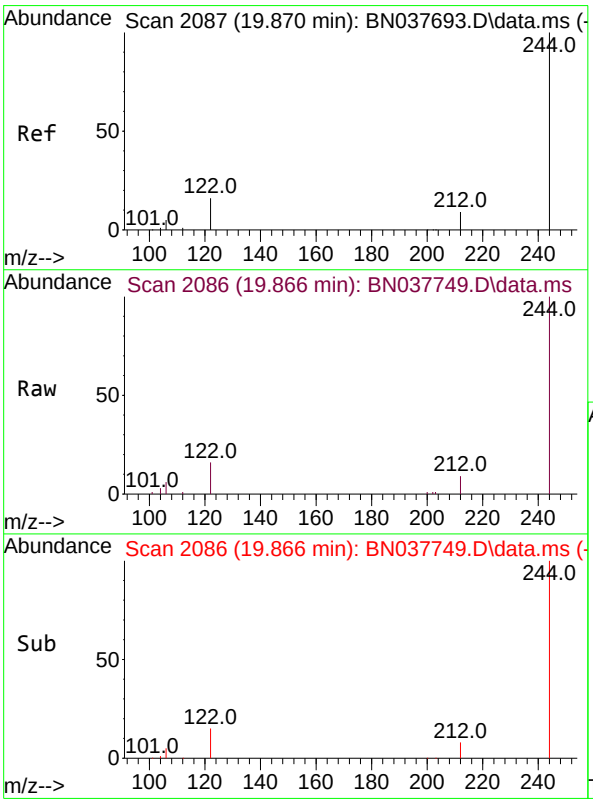
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.411 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN037749.D
Acq: 17 Sep 2025 17:00

Instrument :
BNA_N
ClientSampleId :
MW201D-20250908

Tgt Ion:240 Resp: 12160

Ion	Ratio	Lower	Upper
240	100		
120	15.8	9.2	13.8#
236	28.5	22.6	33.8

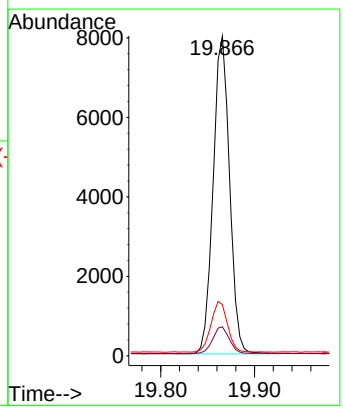


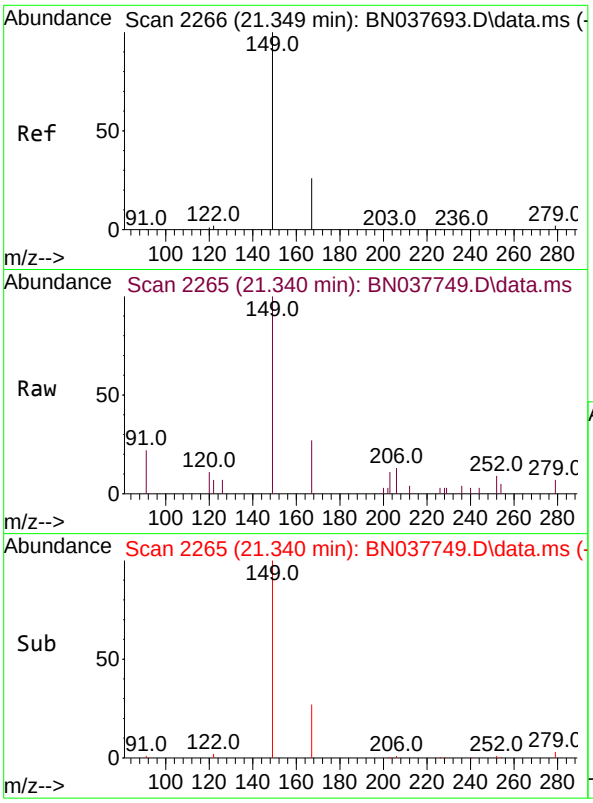


#31
Terphenyl-d14
Concen: 0.393 ng
RT: 19.866 min Scan# 2086
Delta R.T. -0.005 min
Lab File: BN037749.D
Acq: 17 Sep 2025 17:00

Tgt Ion:244 Resp: 9711

Ion	Ratio	Lower	Upper
244	100		
212	9.1	7.5	11.3
122	16.0	13.2	19.8



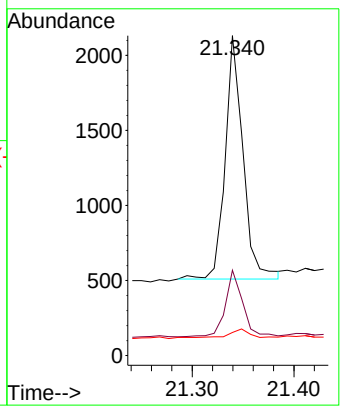


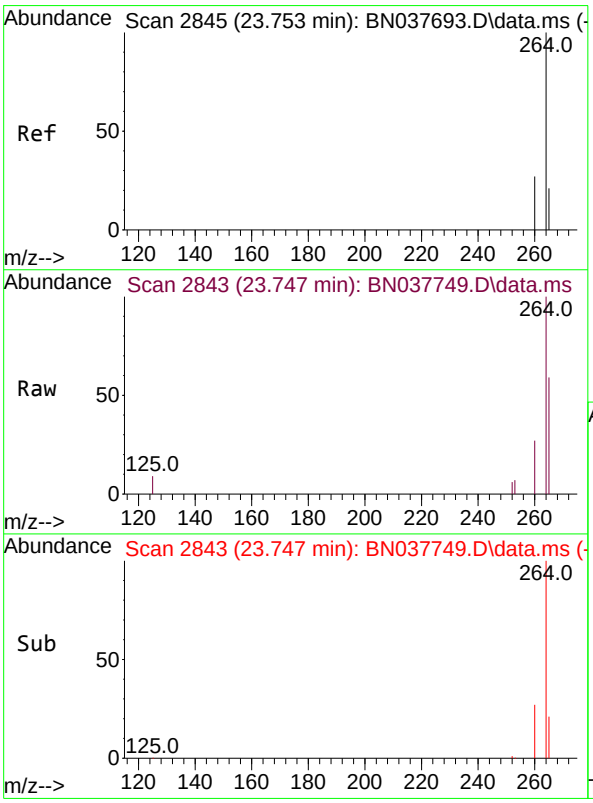
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.157 ng
RT: 21.340 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN037749.D
Acq: 17 Sep 2025 17:00

Instrument :
BNA_N
ClientSampleId :
MW201D-20250908

Tgt Ion:149 Resp: 1977

Ion	Ratio	Lower	Upper
149	100		
167	26.7	20.8	31.2
279	3.4	3.3	4.9

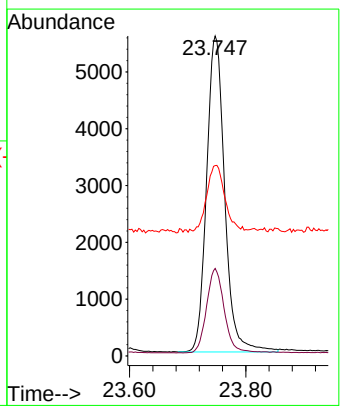




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.747 min Scan# 2843
Delta R.T. -0.006 min
Lab File: BN037749.D
Acq: 17 Sep 2025 17:00

Tgt Ion:264 Resp: 12015

Ion	Ratio	Lower	Upper
264	100		
260	27.4	21.8	32.8
265	59.5	39.4	59.2#



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:	09/08/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	MW201D-20250908DL	SDG No.:	Q3095
Lab Sample ID:	Q3095-03DL	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
BN037789.D	2	09/15/25 10:15	09/18/25 22:27	PB169692

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	5.70	D	0.13	0.40	0.40	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.29		30 - 150		73%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.33		30 - 150		81%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.33		55 - 111		82%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.32		53 - 106		81%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.41		58 - 132		101%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7720	7.833				
1146-65-2	Naphthalene-d8	21000	10.637				
15067-26-2	Acenaphthene-d10	9570	14.484				
1517-22-2	Phenanthrene-d10	16100	17.235				
1719-03-5	Chrysene-d12	11700	21.411				
1520-96-3	Perylene-d12	11700	23.739				

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\BN091825\
Data File : BN037789.D
Acq On : 18 Sep 2025 22:27
Operator : RC/JU
Sample : Q3095-03DL 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW201D-20250908DL

Quant Time: Sep 19 04:12:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

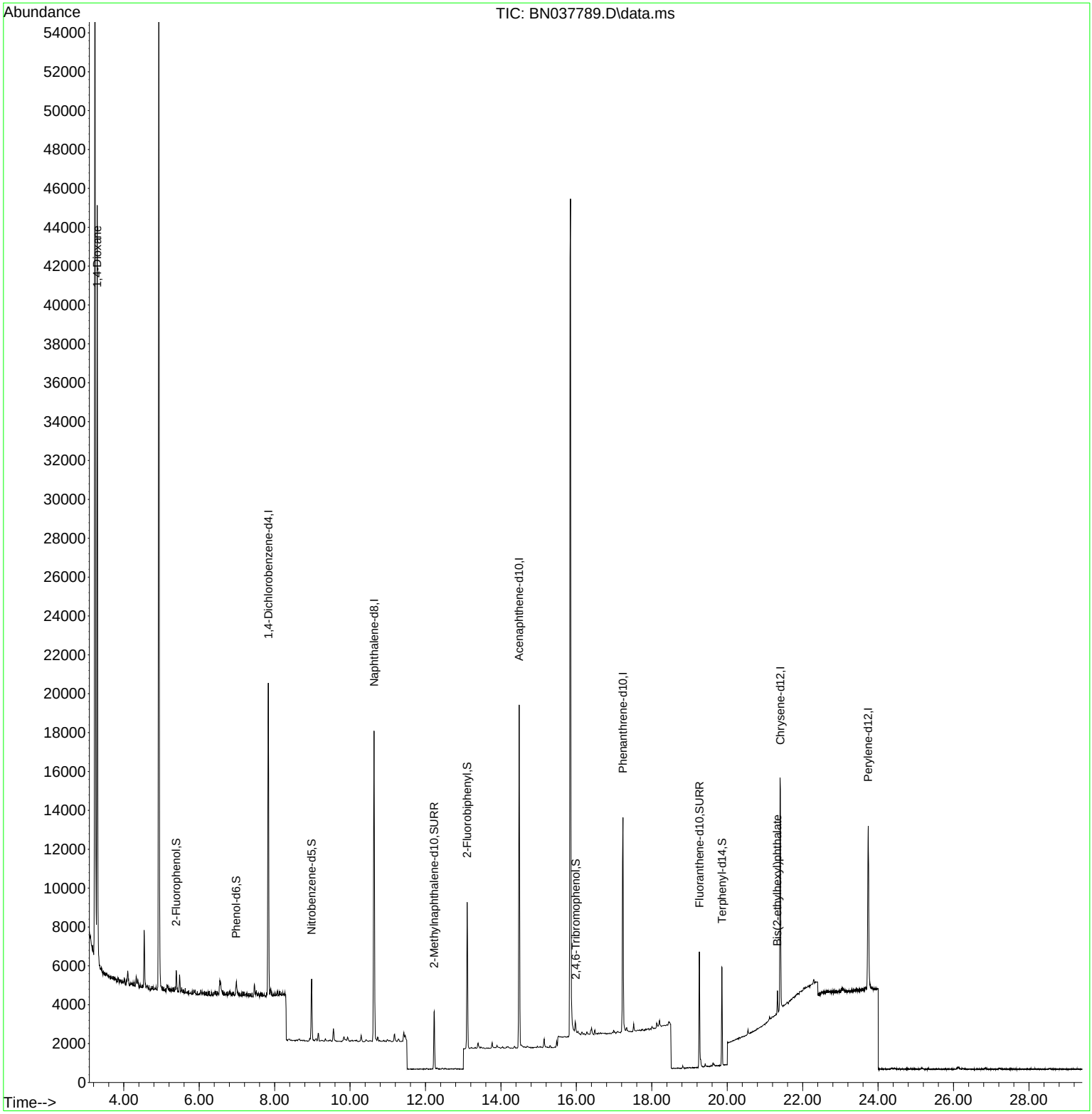
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.833	152	7715	0.400	ng	0.00
7) Naphthalene-d8	10.637	136	20993	0.400	ng	-0.01
13) Acenaphthene-d10	14.484	164	9567	0.400	ng	-0.01
19) Phenanthrene-d10	17.235	188	16081	0.400	ng	# 0.00
29) Chrysene-d12	21.411	240	11736	0.400	ng	0.00
35) Perylene-d12	23.739	264	11717	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.392	112	867	0.049	ng	0.00
5) Phenol-d6	6.981	99	629	0.027	ng	0.00
8) Nitrobenzene-d5	8.982	82	2516	0.164	ng	-0.01
11) 2-Methylnaphthalene-d10	12.228	152	4049	0.146	ng	-0.02
14) 2,4,6-Tribromophenol	15.982	330	399	0.160	ng	0.00
15) 2-Fluorobiphenyl	13.105	172	6450	0.161	ng	-0.01
27) Fluoranthene-d10	19.262	212	6575	0.163	ng	0.00
31) Terphenyl-d14	19.861	244	4825	0.203	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.297	88	22821	2.840	ng	95
34) Bis(2-ethylhexyl)phtha...	21.331	149	1137	0.094	ng	# 99

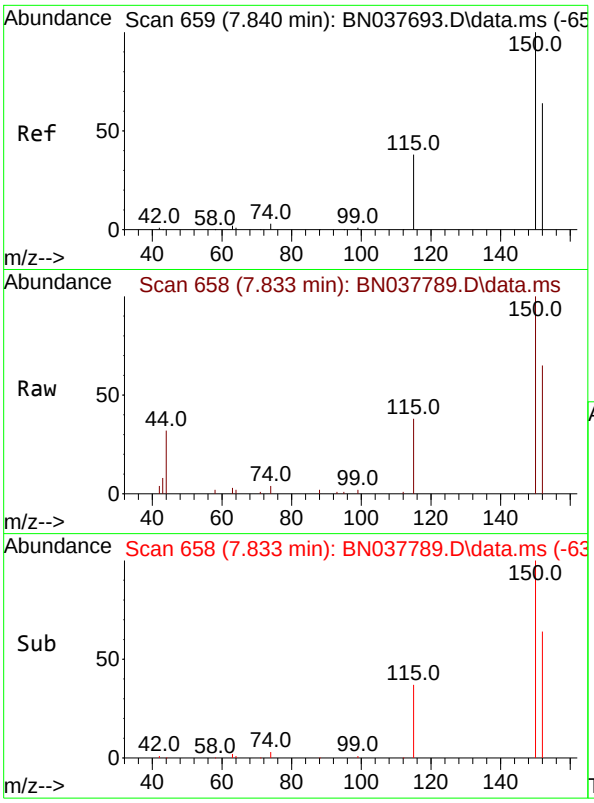
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091825\
Data File : BN037789.D
Acq On : 18 Sep 2025 22:27
Operator : RC/JU
Sample : Q3095-03DL 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW201D-20250908DL

Quant Time: Sep 19 04:12:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration



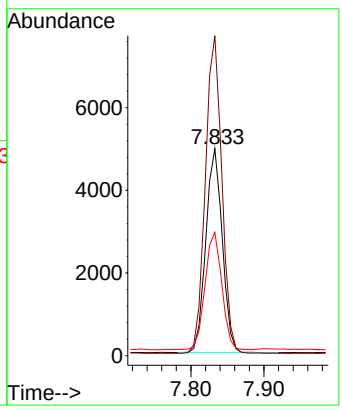


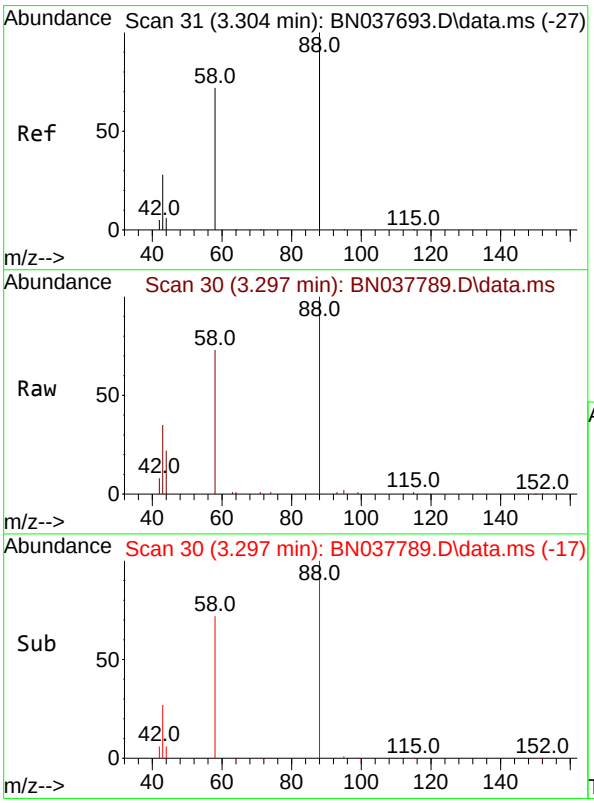
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.833 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN037789.D
Acq: 18 Sep 2025 22:27

Instrument :
BNA_N
ClientSampleId :
MW201D-20250908DL

Tgt Ion:152 Resp: 7715

Ion	Ratio	Lower	Upper
152	100		
150	154.5	124.5	186.7
115	59.5	49.2	73.8

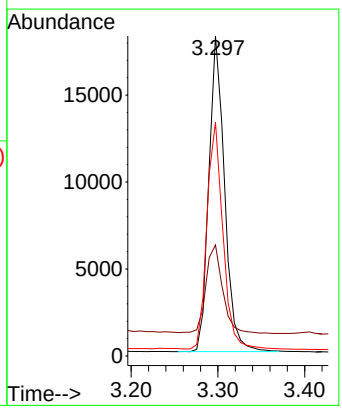


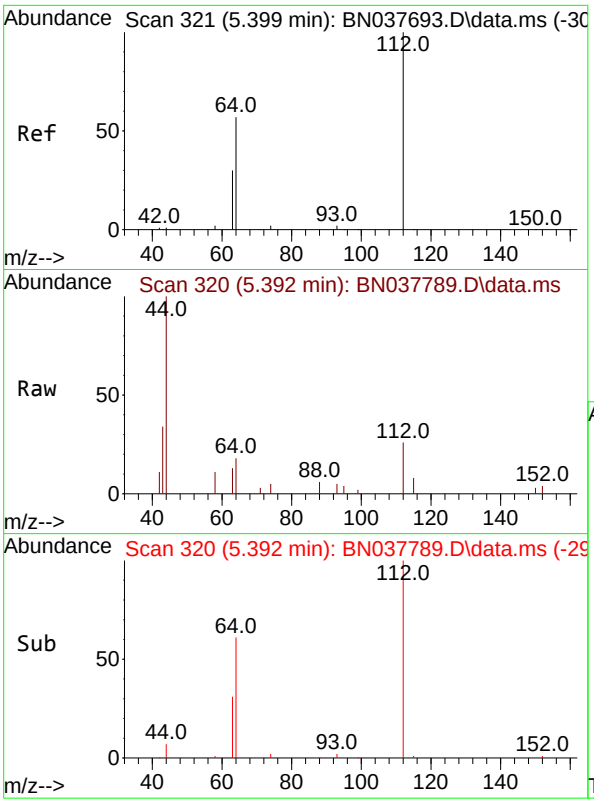


#2
1,4-Dioxane
Concen: 2.840 ng
RT: 3.297 min Scan# 30
Delta R.T. -0.007 min
Lab File: BN037789.D
Acq: 18 Sep 2025 22:27

Tgt Ion: 88 Resp: 22821

Ion	Ratio	Lower	Upper
88	100		
43	29.9	26.8	40.2
58	73.0	61.9	92.9



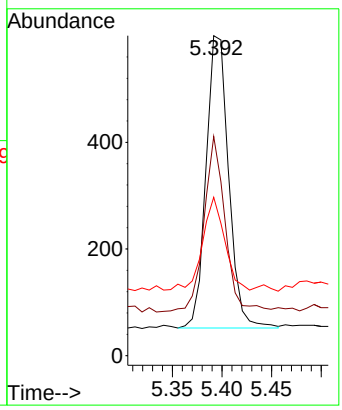


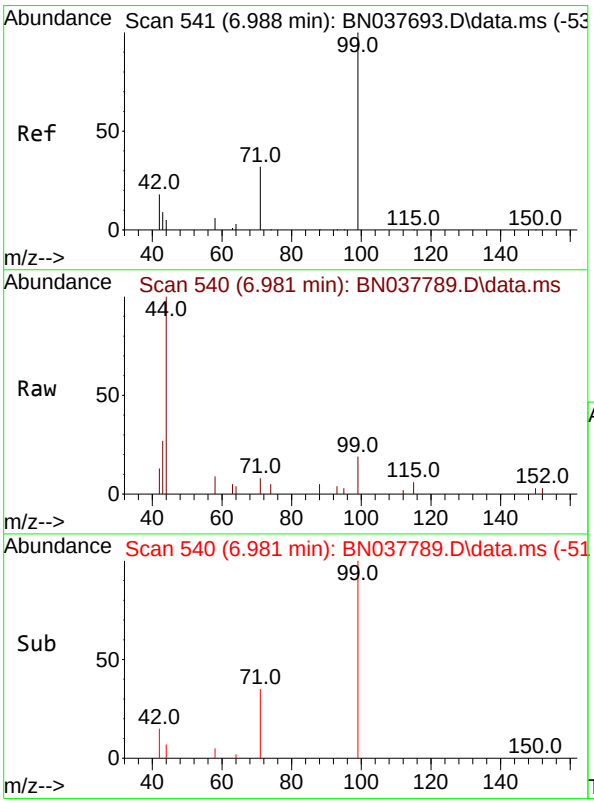
#4
2-Fluorophenol
Concen: 0.049 ng
RT: 5.392 min Scan# 3
Delta R.T. -0.007 min
Lab File: BN037789.D
Acq: 18 Sep 2025 22:27

Instrument :
BNA_N
ClientSampleId :
MW201D-20250908DL

Tgt Ion:112 Resp: 867

Ion	Ratio	Lower	Upper
112	100		
64	55.5	44.9	67.3
63	30.8	24.7	37.1

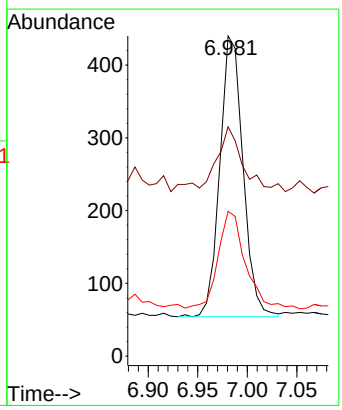


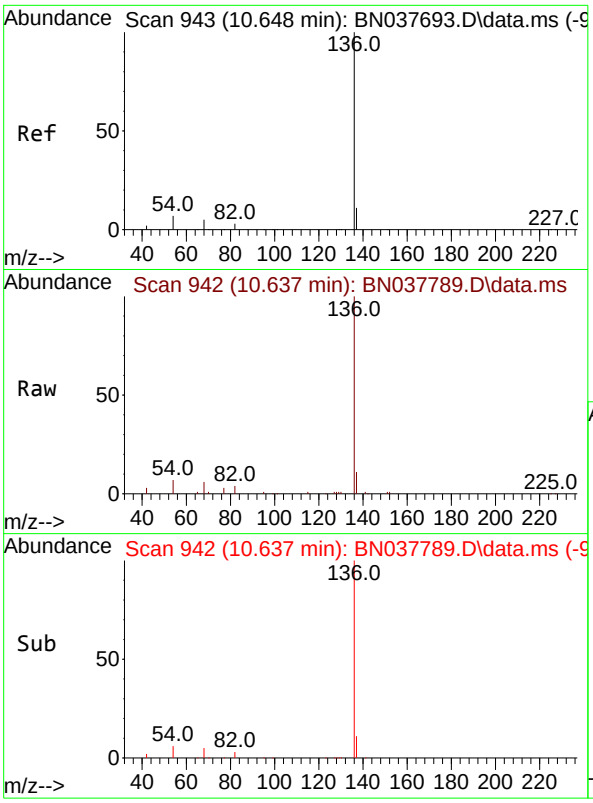


#5
Phenol-d6
Concen: 0.027 ng
RT: 6.981 min Scan# 540
Delta R.T. -0.007 min
Lab File: BN037789.D
Acq: 18 Sep 2025 22:27

Tgt Ion: 99 Resp: 629

Ion	Ratio	Lower	Upper
99	100		
42	25.3	16.6	24.8#
71	41.3	26.7	40.1#



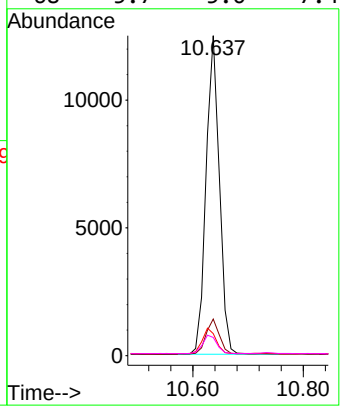


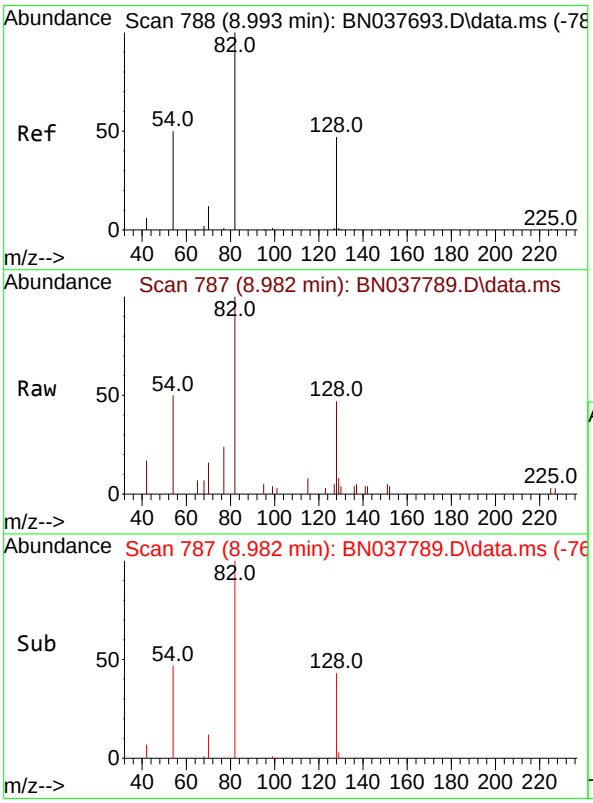
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.637 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037789.D
Acq: 18 Sep 2025 22:27

Instrument :
BNA_N
ClientSampleId :
MW201D-20250908DL

Tgt Ion:136 Resp: 20993

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.1	13.7
54	6.9	6.3	9.5
68	5.7	5.0	7.4

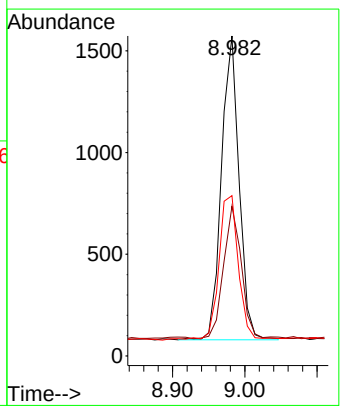


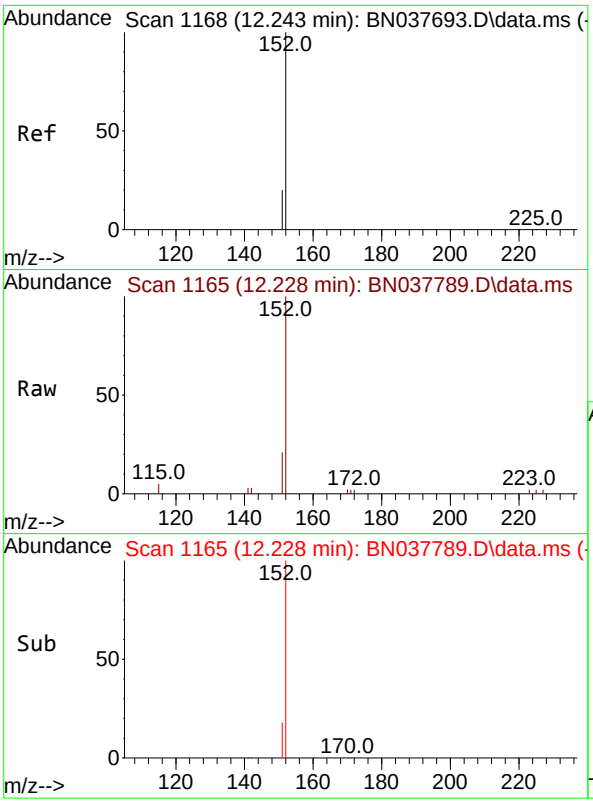


#8
Nitrobenzene-d5
Concen: 0.164 ng
RT: 8.982 min Scan# 787
Delta R.T. -0.011 min
Lab File: BN037789.D
Acq: 18 Sep 2025 22:27

Tgt Ion: 82 Resp: 2516

Ion	Ratio	Lower	Upper
82	100		
128	46.8	38.3	57.5
54	50.1	41.4	62.2



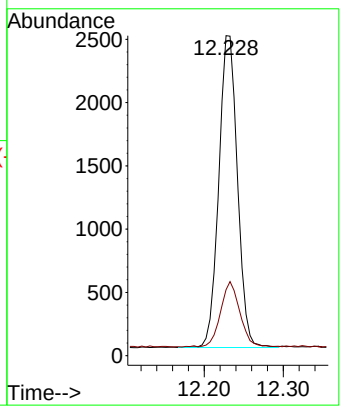


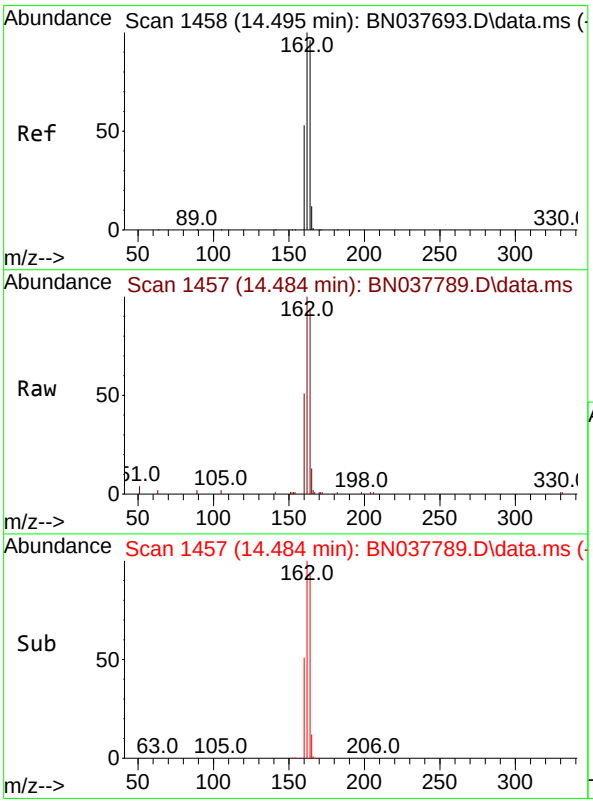
#11
2-Methylnaphthalene-d10
Concen: 0.146 ng
RT: 12.228 min Scan# 11
Delta R.T. -0.015 min
Lab File: BN037789.D
Acq: 18 Sep 2025 22:27

Instrument :
BNA_N
ClientSampleId :
MW201D-20250908DL

Tgt Ion:152 Resp: 4049

Ion	Ratio	Lower	Upper
152	100		
151	21.4	17.0	25.6

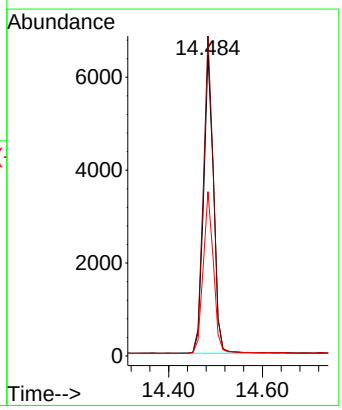


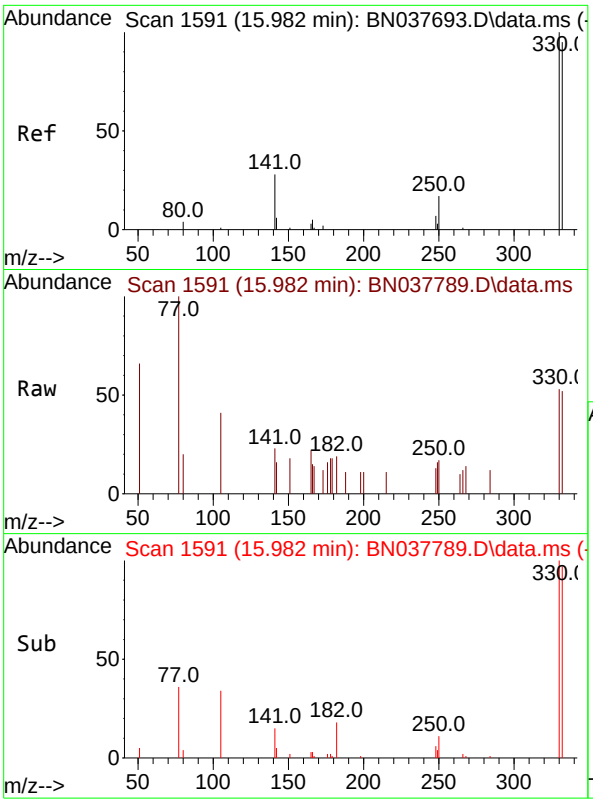


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.484 min Scan# 1457
Delta R.T. -0.011 min
Lab File: BN037789.D
Acq: 18 Sep 2025 22:27

Tgt Ion:164 Resp: 9567

Ion	Ratio	Lower	Upper
164	100		
162	106.3	83.1	124.7
160	54.5	44.3	66.5



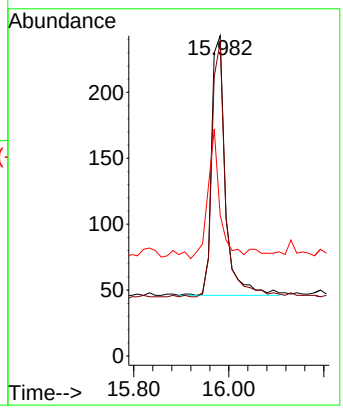


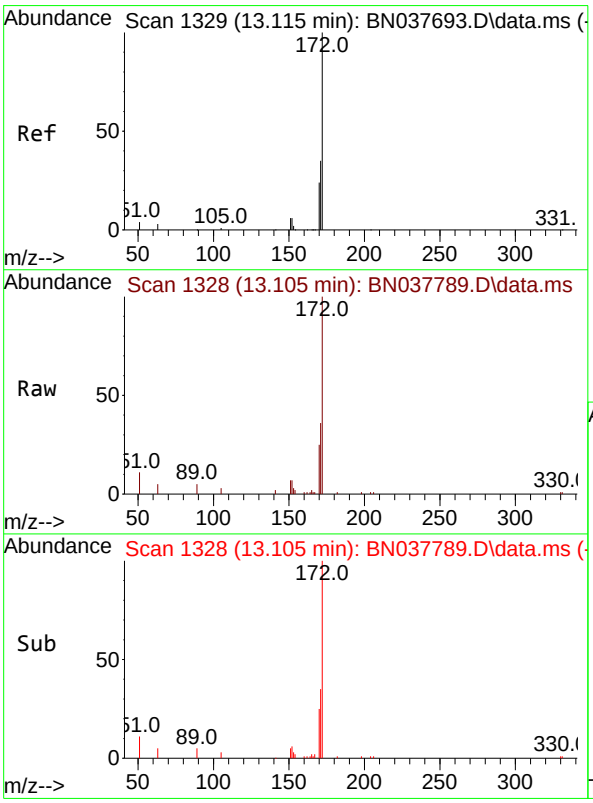
#14
2,4,6-Tribromophenol
Concen: 0.160 ng
RT: 15.982 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037789.D
Acq: 18 Sep 2025 22:27

Instrument :
BNA_N
ClientSampleId :
MW201D-20250908DL

Tgt Ion:330 Resp: 399

Ion	Ratio	Lower	Upper
330	100		
332	96.7	75.3	112.9
141	43.4	35.0	52.4

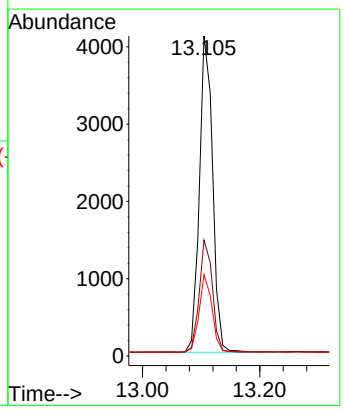


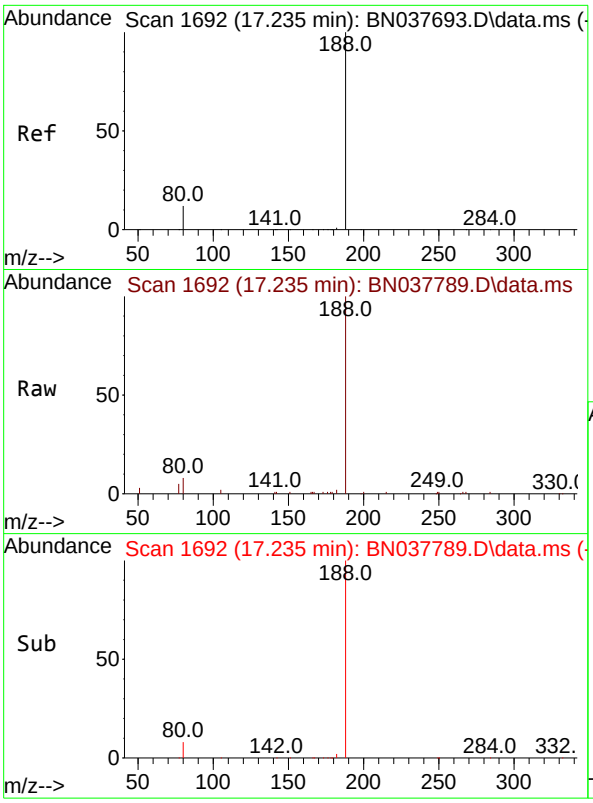


#15
2-Fluorobiphenyl
Concen: 0.161 ng
RT: 13.105 min Scan# 1328
Delta R.T. -0.011 min
Lab File: BN037789.D
Acq: 18 Sep 2025 22:27

Tgt Ion:172 Resp: 6450

Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.6	43.0
170	25.4	19.8	29.8



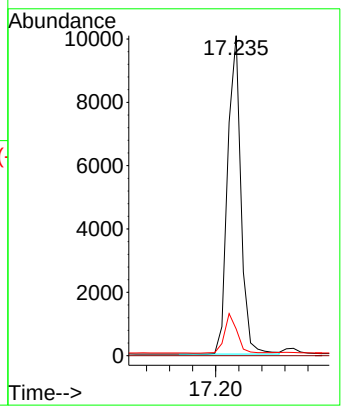


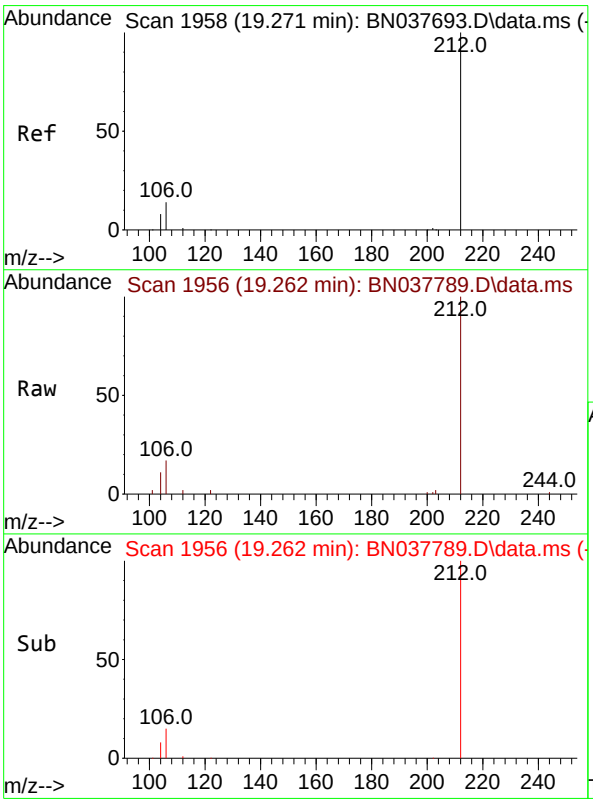
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.235 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN037789.D
Acq: 18 Sep 2025 22:27

Instrument :
BNA_N
ClientSampleId :
MW201D-20250908DL

Tgt Ion:188 Resp: 16081

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.4	10.6	15.8#

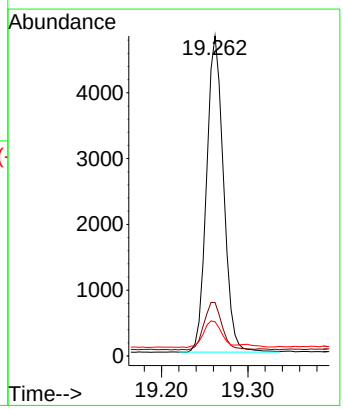


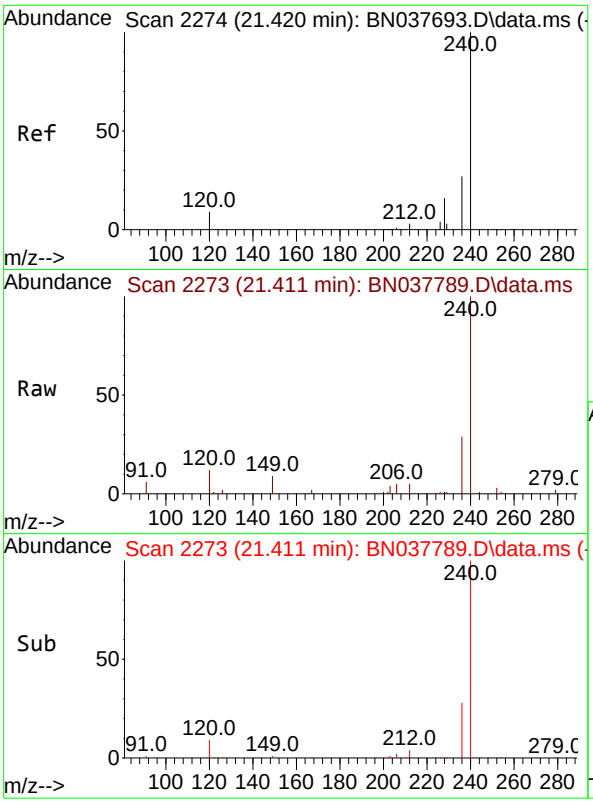


#27
Fluoranthene-d10
Concen: 0.163 ng
RT: 19.262 min Scan# 1956
Delta R.T. -0.009 min
Lab File: BN037789.D
Acq: 18 Sep 2025 22:27

Tgt Ion:212 Resp: 6575

Ion	Ratio	Lower	Upper
212	100		
106	16.0	12.2	18.2
104	8.9	6.9	10.3



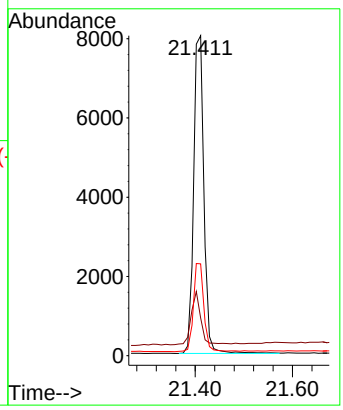


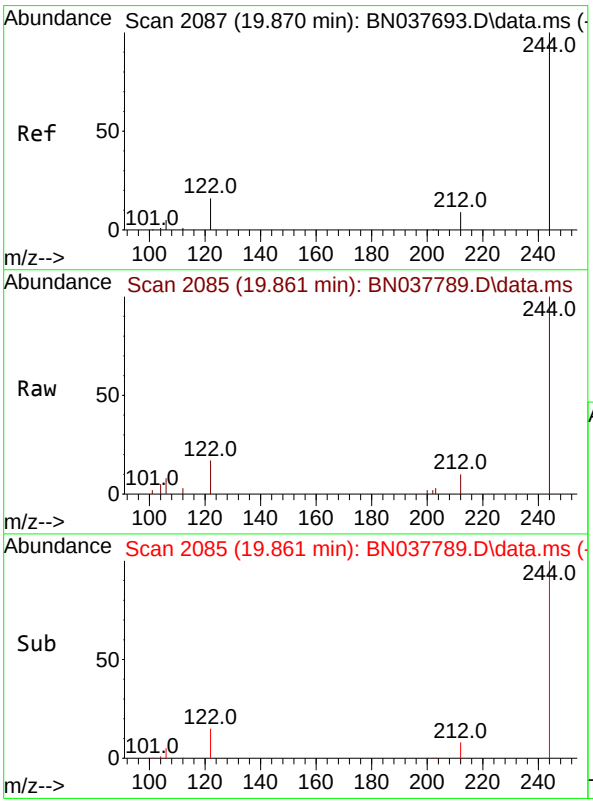
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.411 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037789.D
Acq: 18 Sep 2025 22:27

Instrument :
BNA_N
ClientSampleId :
MW201D-20250908DL

Tgt Ion:240 Resp: 11736

Ion	Ratio	Lower	Upper
240	100		
120	11.8	9.2	13.8
236	28.7	22.6	33.8

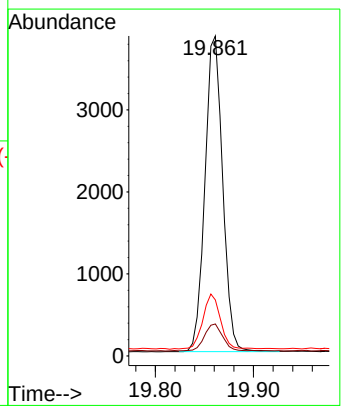


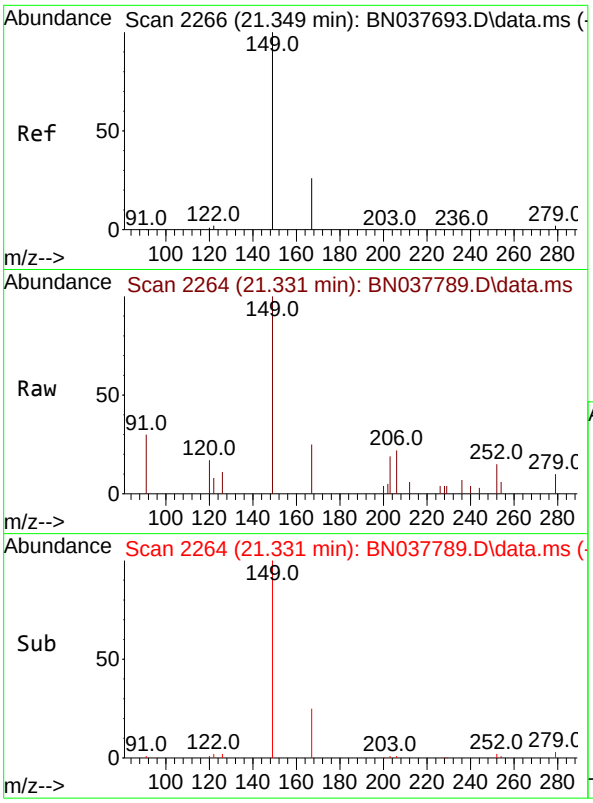


#31
Terphenyl-d14
Concen: 0.203 ng
RT: 19.861 min Scan# 2085
Delta R.T. -0.009 min
Lab File: BN037789.D
Acq: 18 Sep 2025 22:27

Tgt Ion:244 Resp: 4825

Ion	Ratio	Lower	Upper
244	100		
212	10.0	7.5	11.3
122	17.5	13.2	19.8



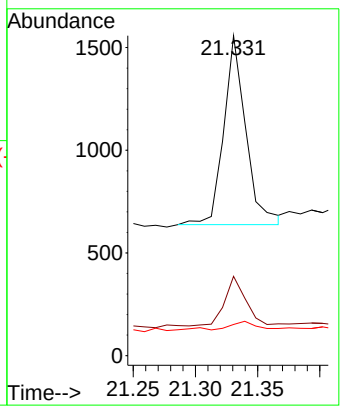


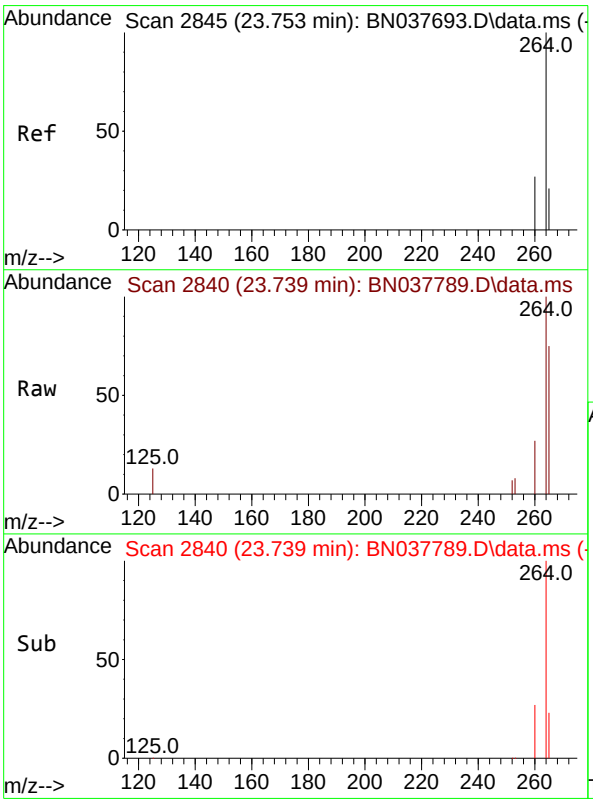
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.094 ng
RT: 21.331 min Scan# 2
Delta R.T. -0.018 min
Lab File: BN037789.D
Acq: 18 Sep 2025 22:27

Instrument :
BNA_N
ClientSampleId :
MW201D-20250908DL

Tgt Ion:149 Resp: 1137

Ion	Ratio	Lower	Upper
149	100		
167	25.6	20.8	31.2
279	5.5	3.3	4.9#

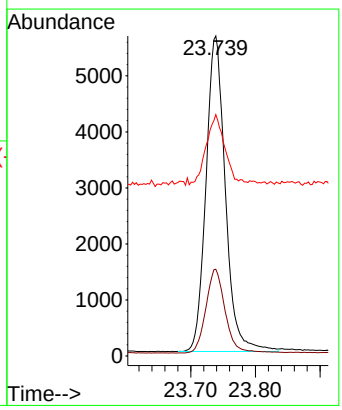




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.739 min Scan# 2840
Delta R.T. -0.015 min
Lab File: BN037789.D
Acq: 18 Sep 2025 22:27

Tgt Ion:264 Resp: 11717

Ion	Ratio	Lower	Upper
264	100		
260	27.1	21.8	32.8
265	75.4	39.4	59.2#



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:	09/08/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	MW179D1-20250908	SDG No.:	Q3095
Lab Sample ID:	Q3095-04	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
BN037750.D	1	09/15/25 10:15	09/17/25 17:36	PB169692

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.22		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	0.38		30 - 150		95%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.35		55 - 111		88%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.36		53 - 106		90%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.43		58 - 132		107%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6640	7.84				
1146-65-2	Naphthalene-d8	17900	10.637				
15067-26-2	Acenaphthene-d10	7910	14.495				
1517-22-2	Phenanthrene-d10	13700	17.235				
1719-03-5	Chrysene-d12	11500	21.411				
1520-96-3	Perylene-d12	11300	23.747				

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\BN091725\
Data File : BN037750.D
Acq On : 17 Sep 2025 17:36
Operator : RC/JU
Sample : Q3095-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW179D1-20250908

Quant Time: Sep 17 18:05:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

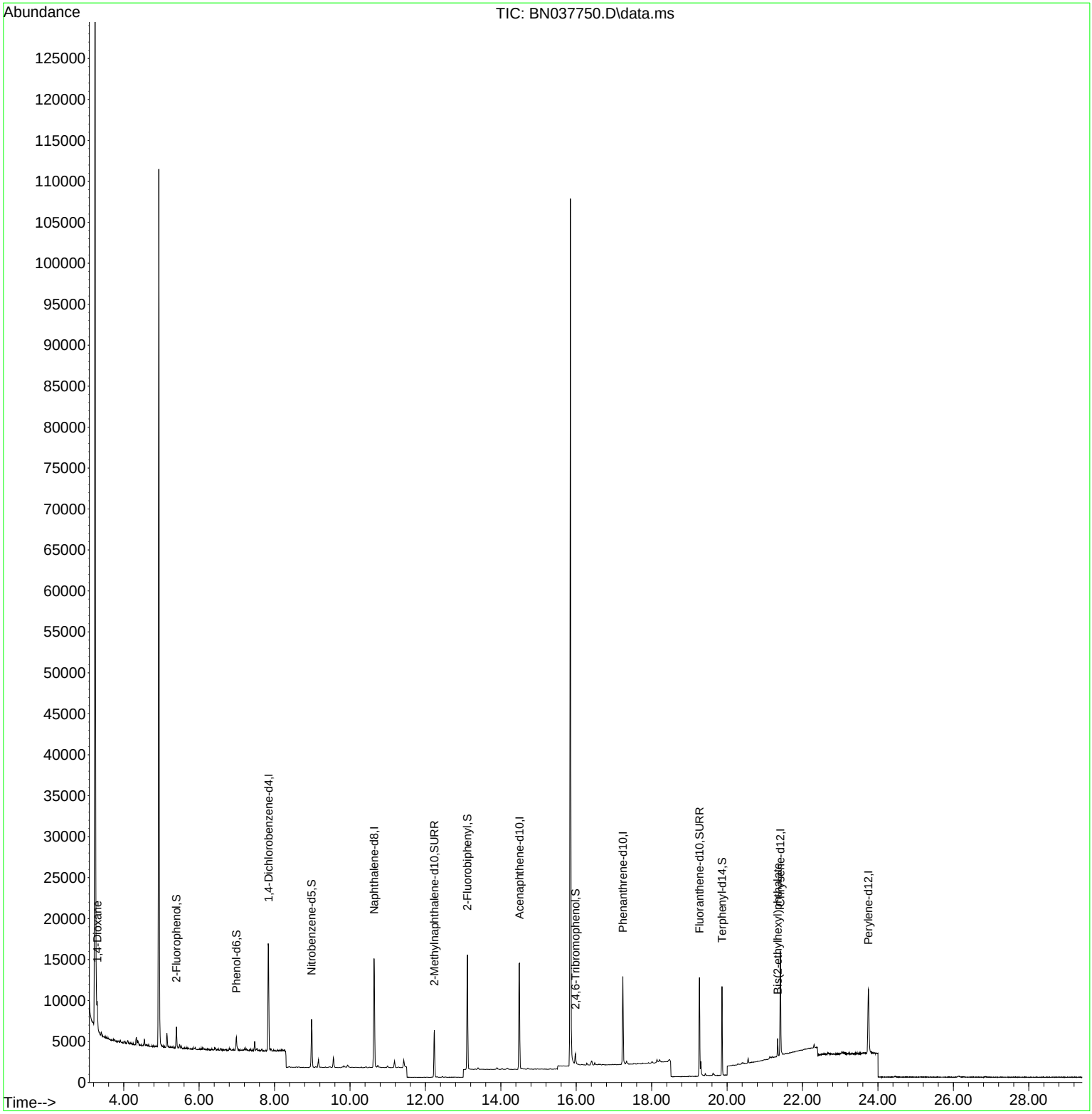
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.840	152	6641	0.400	ng	0.00
7) Naphthalene-d8	10.637	136	17861	0.400	ng	-0.01
13) Acenaphthene-d10	14.495	164	7906	0.400	ng	0.00
19) Phenanthrene-d10	17.235	188	13742	0.400	ng	0.00
29) Chrysene-d12	21.411	240	11462	0.400	ng	# 0.00
35) Perylene-d12	23.747	264	11339	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.399	112	2038	0.134	ng	0.00
5) Phenol-d6	6.988	99	1521	0.077	ng	0.00
8) Nitrobenzene-d5	8.982	82	4613	0.353	ng	-0.01
11) 2-Methylnaphthalene-d10	12.238	152	7496	0.317	ng	0.00
14) 2,4,6-Tribromophenol	15.982	330	834	0.404	ng	0.00
15) 2-Fluorobiphenyl	13.115	172	11872	0.359	ng	0.00
27) Fluoranthene-d10	19.267	212	13070	0.379	ng	0.00
31) Terphenyl-d14	19.866	244	9983	0.429	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.304	88	1507	0.218	ng	# 84
34) Bis(2-ethylhexyl)phtha...	21.340	149	2119	0.179	ng	100

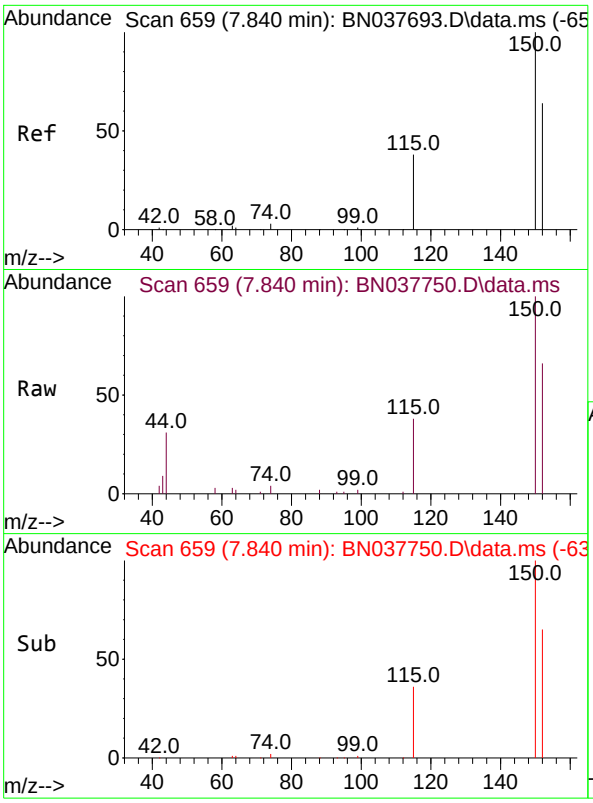
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091725\
Data File : BN037750.D
Acq On : 17 Sep 2025 17:36
Operator : RC/JU
Sample : Q3095-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW179D1-20250908

Quant Time: Sep 17 18:05:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration



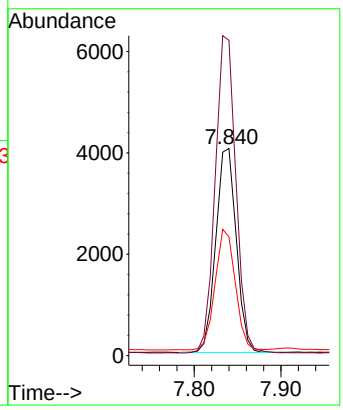


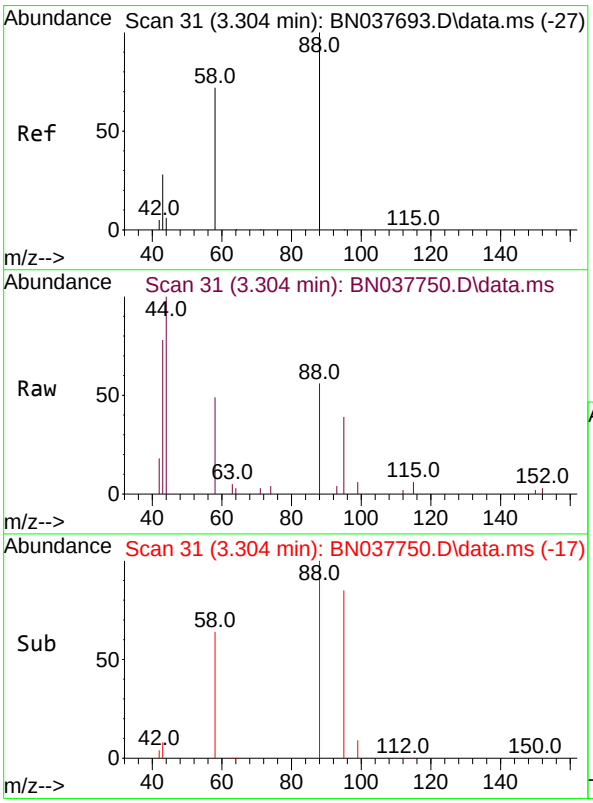
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.840 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN037750.D
Acq: 17 Sep 2025 17:36

Instrument :
BNA_N
ClientSampleId :
MW179D1-20250908

Tgt Ion:152 Resp: 6641

Ion	Ratio	Lower	Upper
152	100		
150	152.2	124.5	186.7
115	57.4	49.2	73.8

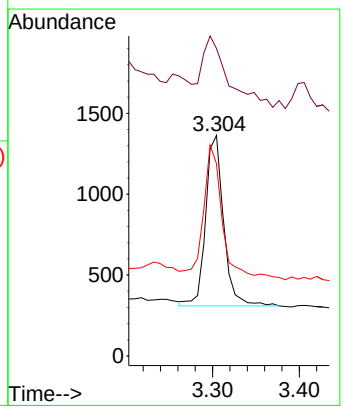


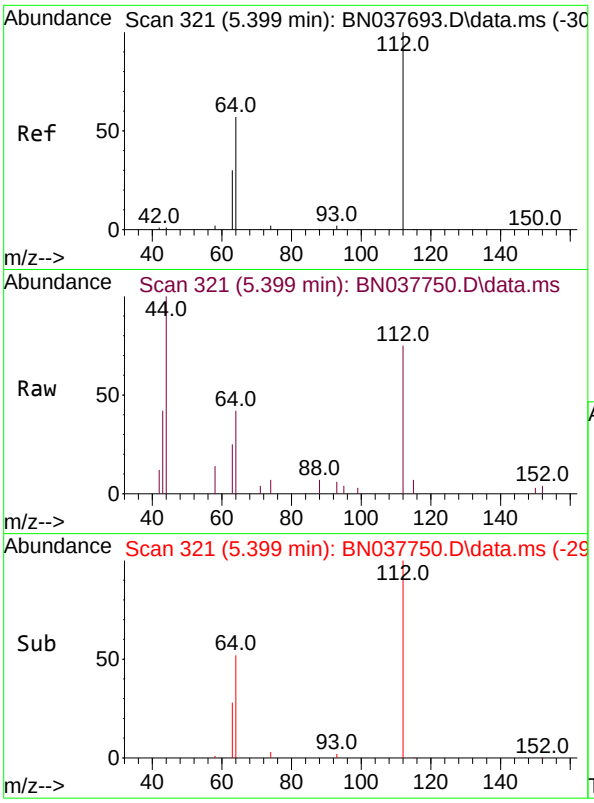


#2
1,4-Dioxane
Concen: 0.218 ng
RT: 3.304 min Scan# 31
Delta R.T. -0.000 min
Lab File: BN037750.D
Acq: 17 Sep 2025 17:36

Tgt Ion: 88 Resp: 1507

Ion	Ratio	Lower	Upper
88	100		
43	61.9	26.8	40.2#
58	79.1	61.9	92.9



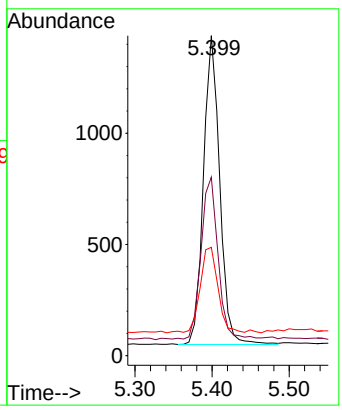


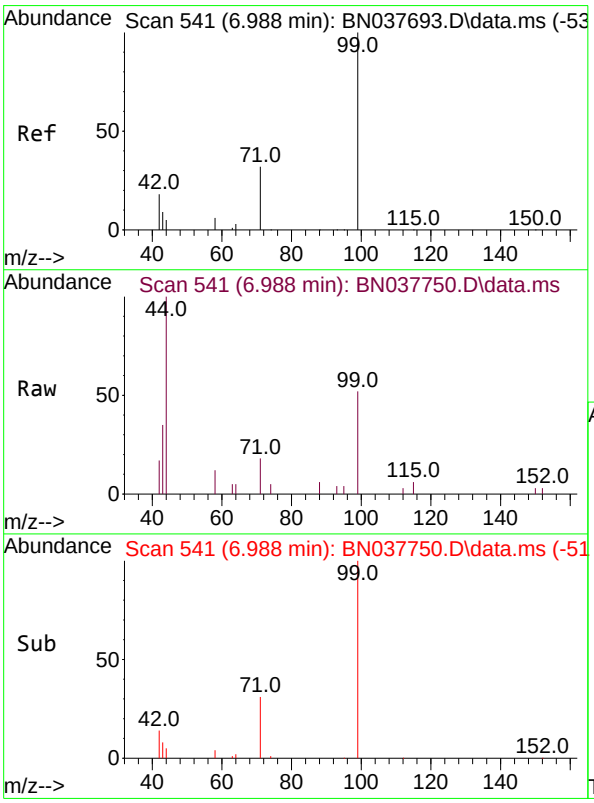
#4
2-Fluorophenol
Concen: 0.134 ng
RT: 5.399 min Scan# 3
Delta R.T. -0.000 min
Lab File: BN037750.D
Acq: 17 Sep 2025 17:36

Instrument :
BNA_N
ClientSampleId :
MW179D1-20250908

Tgt Ion:112 Resp: 2038

Ion	Ratio	Lower	Upper
112	100		
64	54.4	44.9	67.3
63	30.1	24.7	37.1

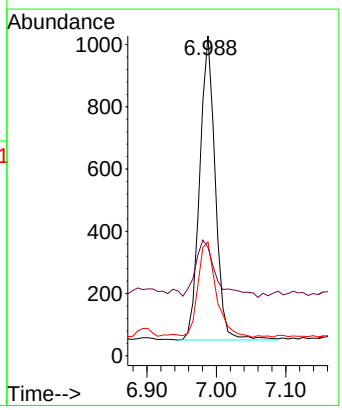


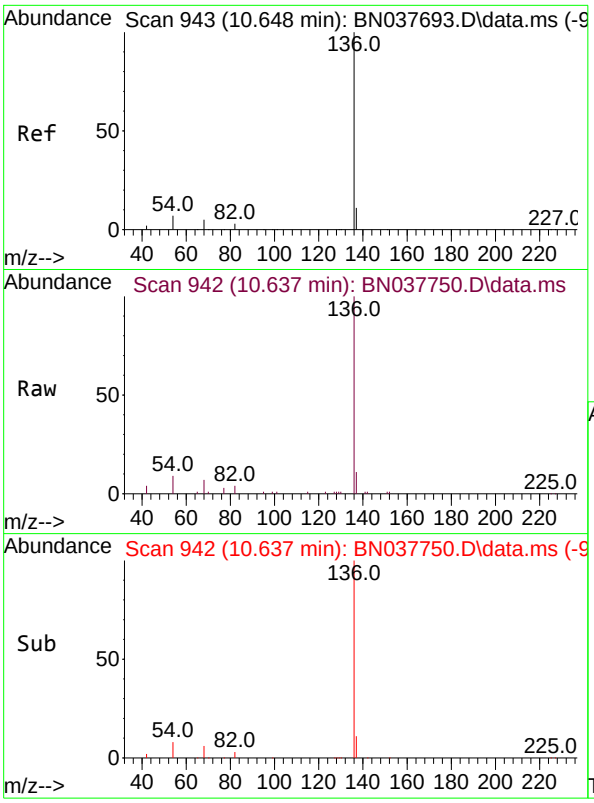


#5
Phenol-d6
Concen: 0.077 ng
RT: 6.988 min Scan# 541
Delta R.T. -0.000 min
Lab File: BN037750.D
Acq: 17 Sep 2025 17:36

Tgt Ion: 99 Resp: 1521

Ion	Ratio	Lower	Upper
99	100		
42	24.6	16.6	24.8
71	36.8	26.7	40.1



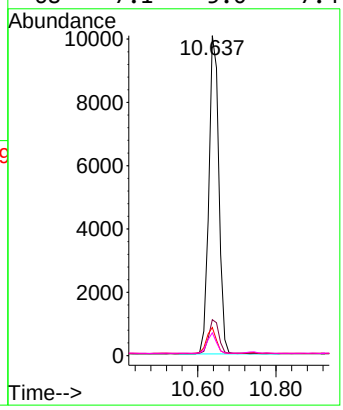


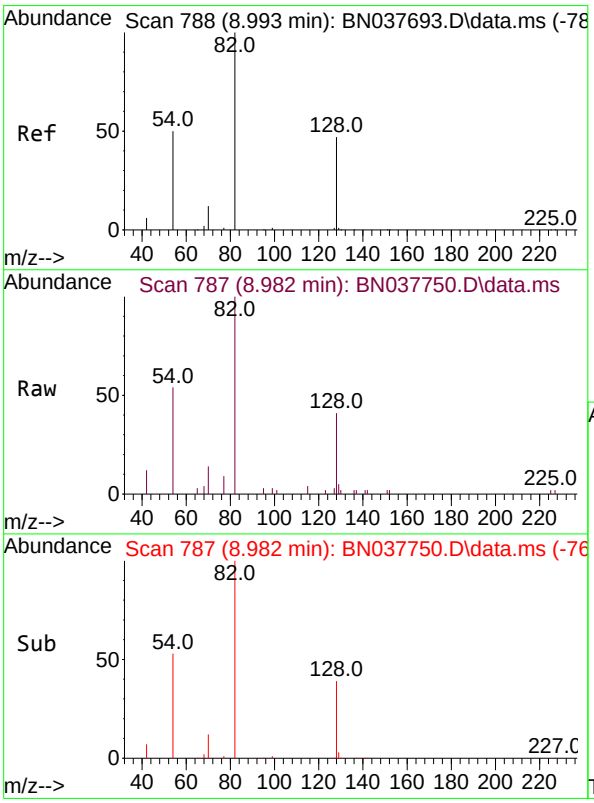
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.637 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037750.D
Acq: 17 Sep 2025 17:36

Instrument :
BNA_N
ClientSampleId :
MW179D1-20250908

Tgt Ion:136 Resp: 17861

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	8.8	6.3	9.5
68	7.1	5.0	7.4

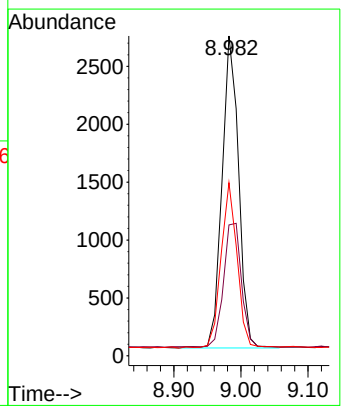


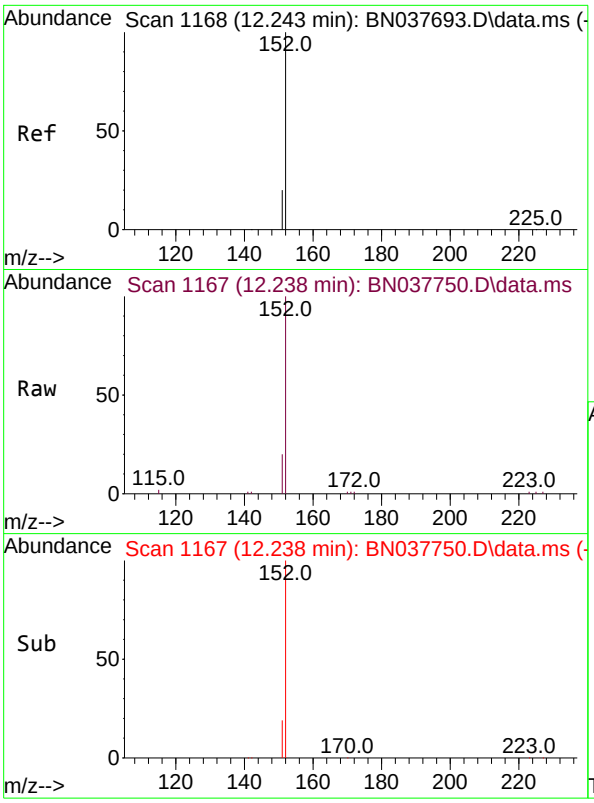


#8
Nitrobenzene-d5
Concen: 0.353 ng
RT: 8.982 min Scan# 787
Delta R.T. -0.011 min
Lab File: BN037750.D
Acq: 17 Sep 2025 17:36

Tgt Ion: 82 Resp: 4613

Ion	Ratio	Lower	Upper
82	100		
128	40.9	38.3	57.5
54	54.1	41.4	62.2



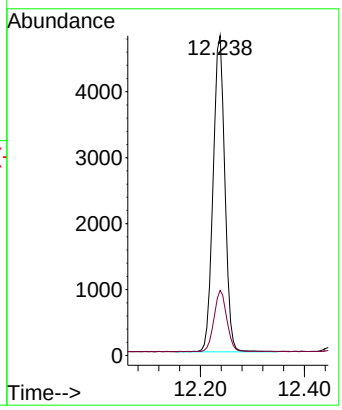


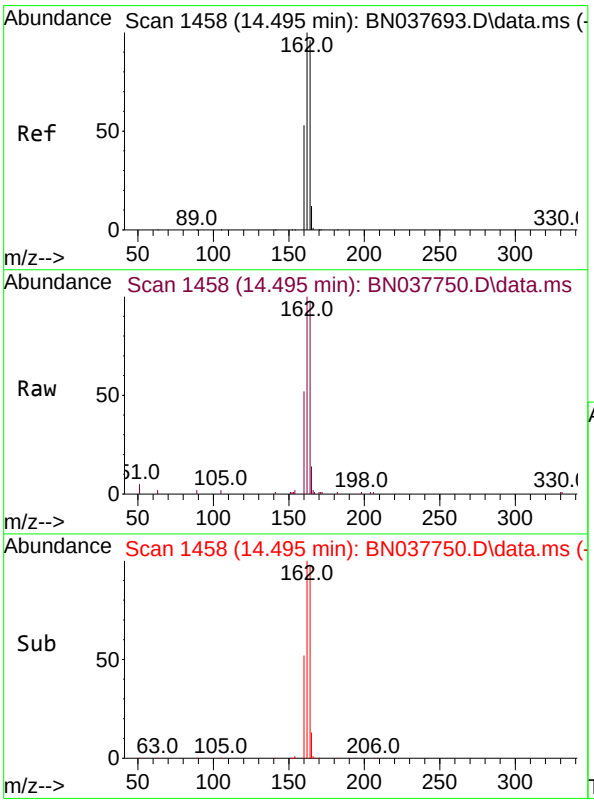
#11
2-Methylnaphthalene-d10
Concen: 0.317 ng
RT: 12.238 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN037750.D
Acq: 17 Sep 2025 17:36

Instrument :
BNA_N
ClientSampleId :
MW179D1-20250908

Tgt Ion:152 Resp: 7496

Ion	Ratio	Lower	Upper
152	100		
151	20.8	17.0	25.6

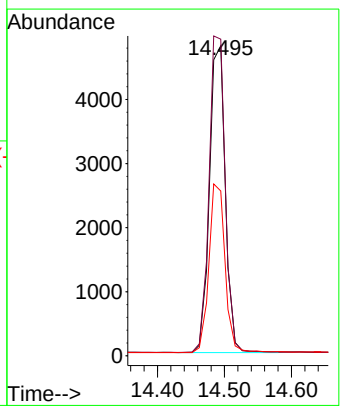


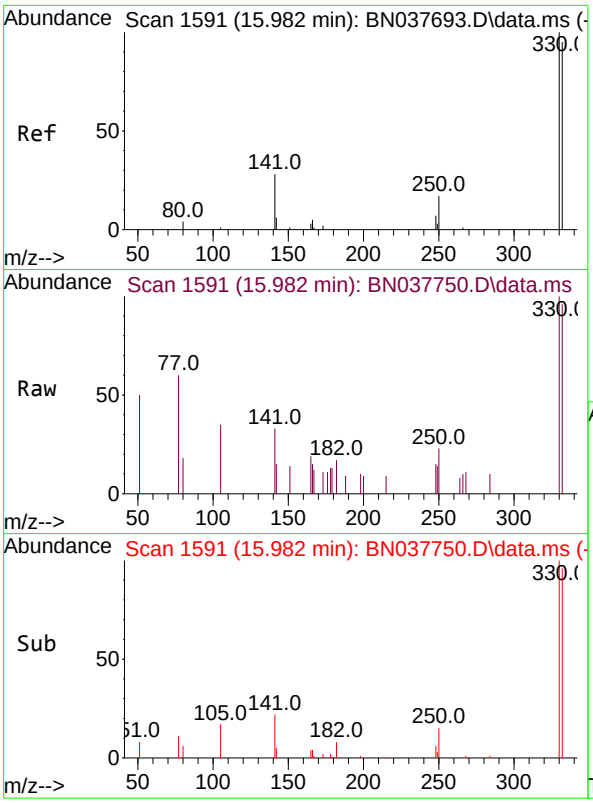


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.495 min Scan# 1458
Delta R.T. -0.000 min
Lab File: BN037750.D
Acq: 17 Sep 2025 17:36

Tgt Ion:164 Resp: 7906

Ion	Ratio	Lower	Upper
164	100		
162	102.2	83.1	124.7
160	53.2	44.3	66.5



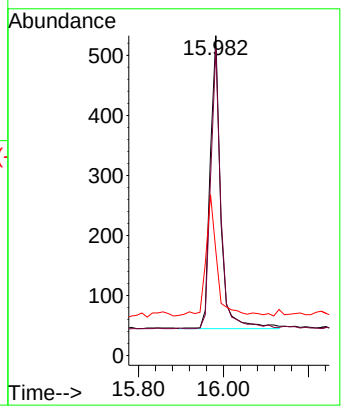


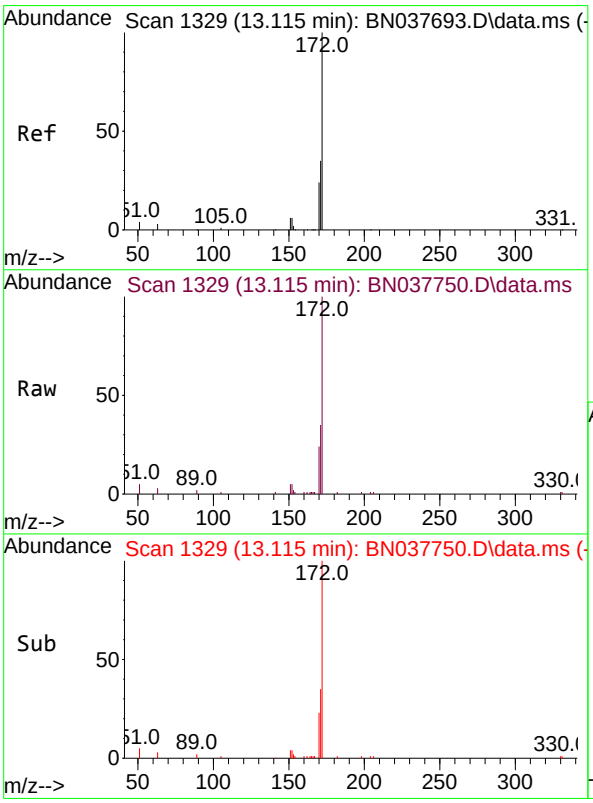
#14
2,4,6-Tribromophenol
Concen: 0.404 ng
RT: 15.982 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037750.D
Acq: 17 Sep 2025 17:36

Instrument :
BNA_N
ClientSampleId :
MW179D1-20250908

Tgt Ion:330 Resp: 834

Ion	Ratio	Lower	Upper
330	100		
332	93.4	75.3	112.9
141	43.5	35.0	52.4

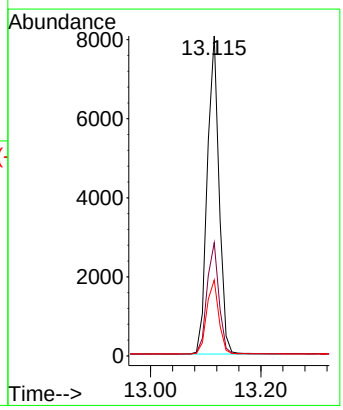


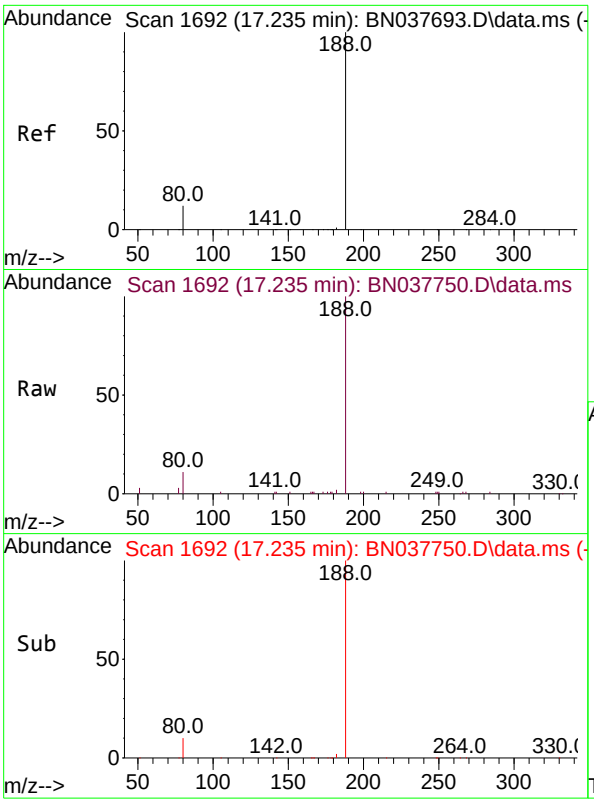


#15
2-Fluorobiphenyl
Concen: 0.359 ng
RT: 13.115 min Scan# 1329
Delta R.T. -0.000 min
Lab File: BN037750.D
Acq: 17 Sep 2025 17:36

Tgt Ion:172 Resp: 11872

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.6	43.0
170	23.7	19.8	29.8



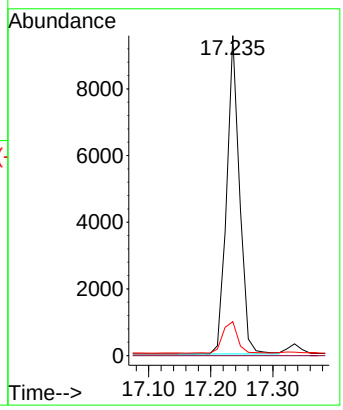


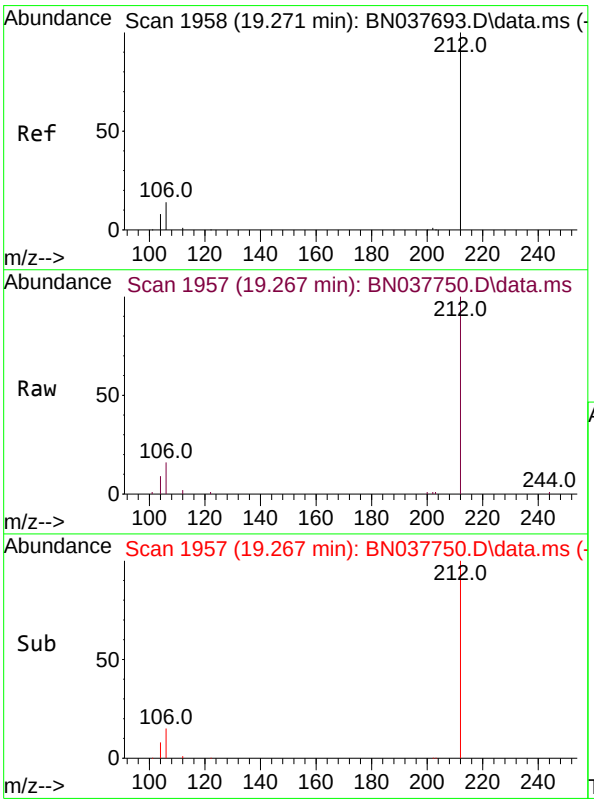
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.235 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037750.D
Acq: 17 Sep 2025 17:36

Instrument :
BNA_N
ClientSampleId :
MW179D1-20250908

Tgt Ion:188 Resp: 13742

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.6	10.6	15.8

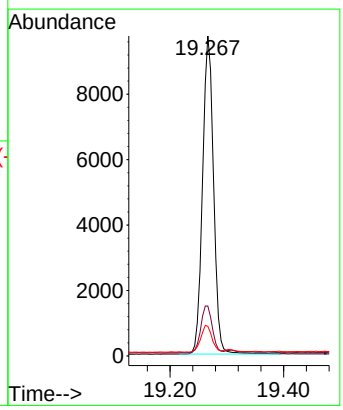


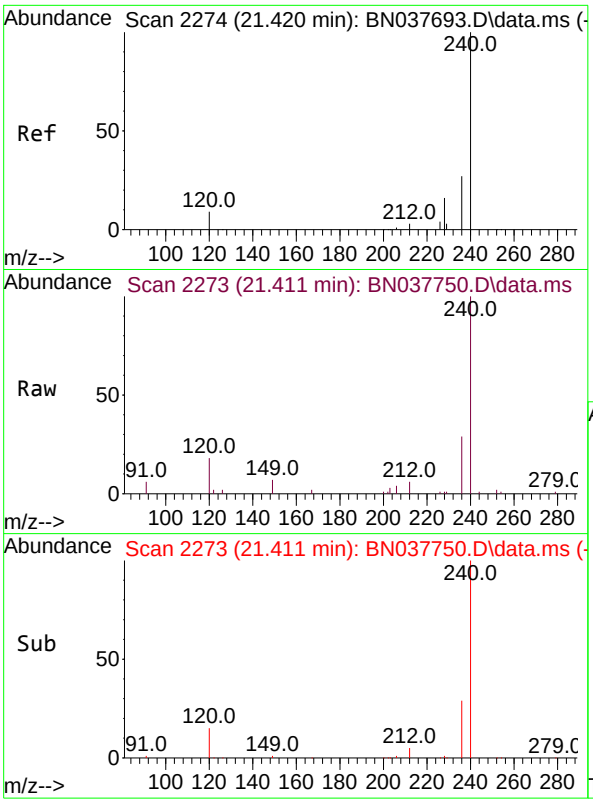


#27
Fluoranthene-d10
Concen: 0.379 ng
RT: 19.267 min Scan# 1957
Delta R.T. -0.005 min
Lab File: BN037750.D
Acq: 17 Sep 2025 17:36

Tgt Ion:212 Resp: 13070

Ion	Ratio	Lower	Upper
212	100		
106	15.4	12.2	18.2
104	8.4	6.9	10.3



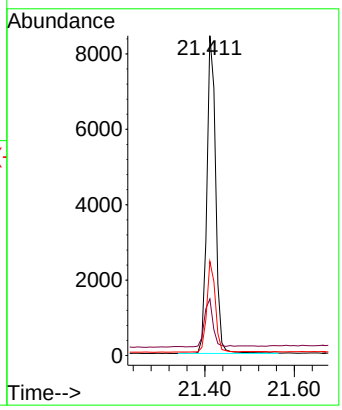


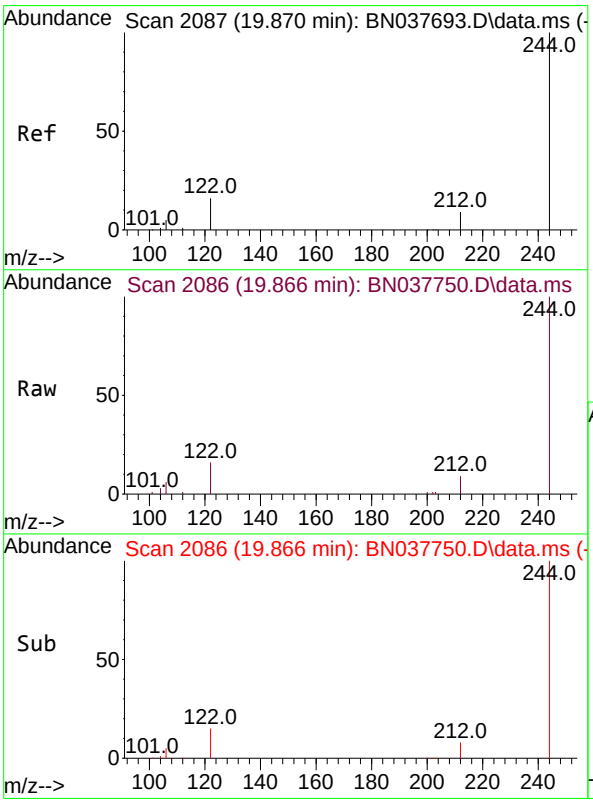
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.411 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN037750.D
Acq: 17 Sep 2025 17:36

Instrument :
BNA_N
ClientSampleId :
MW179D1-20250908

Tgt Ion:240 Resp: 11462

Ion	Ratio	Lower	Upper
240	100		
120	17.7	9.2	13.8#
236	29.4	22.6	33.8

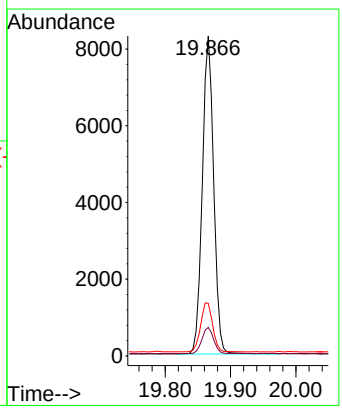


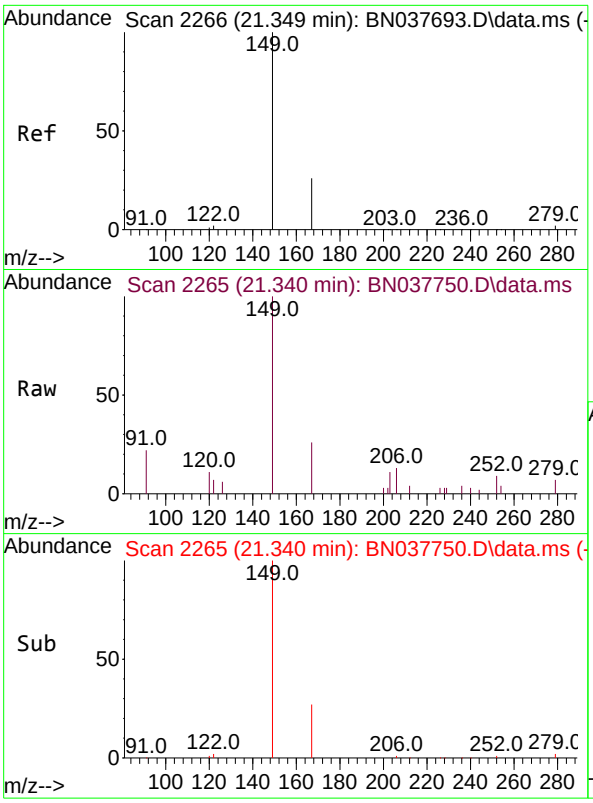


#31
Terphenyl-d14
Concen: 0.429 ng
RT: 19.866 min Scan# 2086
Delta R.T. -0.005 min
Lab File: BN037750.D
Acq: 17 Sep 2025 17:36

Tgt Ion:244 Resp: 9983

Ion	Ratio	Lower	Upper
244	100		
212	8.9	7.5	11.3
122	16.4	13.2	19.8



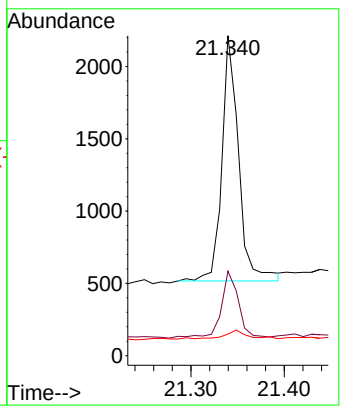


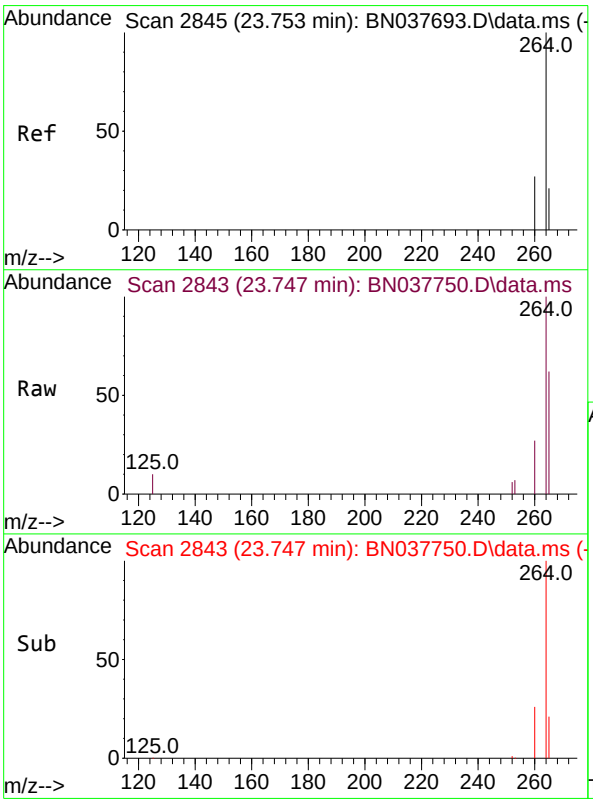
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.179 ng
RT: 21.340 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037750.D
Acq: 17 Sep 2025 17:36

Instrument :
BNA_N
ClientSampleId :
MW179D1-20250908

Tgt Ion:149 Resp: 2119

Ion	Ratio	Lower	Upper
149	100		
167	26.0	20.8	31.2
279	4.6	3.3	4.9

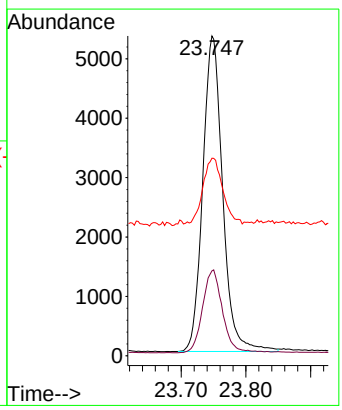




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.747 min Scan# 2843
Delta R.T. -0.006 min
Lab File: BN037750.D
Acq: 17 Sep 2025 17:36

Tgt Ion:264 Resp: 11339

Ion	Ratio	Lower	Upper
264	100		
260	26.6	21.8	32.8
265	61.8	39.4	59.2#



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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	MW203D2-20250909	SDG No.:	Q3095
Lab Sample ID:	Q3095-05	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
BN037742.D	1	09/15/25 10:15	09/17/25 12:38	PB169692

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.85	M	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	0.34		30 - 150		84%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.30		55 - 111		76%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.31		53 - 106		77%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.50		58 - 132		124%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7540	7.84				
1146-65-2	Naphthalene-d8	21000	10.648				
15067-26-2	Acenaphthene-d10	9820	14.494				
1517-22-2	Phenanthrene-d10	16800	17.235				
1719-03-5	Chrysene-d12	12700	21.411				
1520-96-3	Perylene-d12	12600	23.75				

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\BN091725\
Data File : BN037742.D
Acq On : 17 Sep 2025 12:38
Operator : RC/JU
Sample : Q3095-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW203D2-20250909

Quant Time: Sep 17 13:16:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

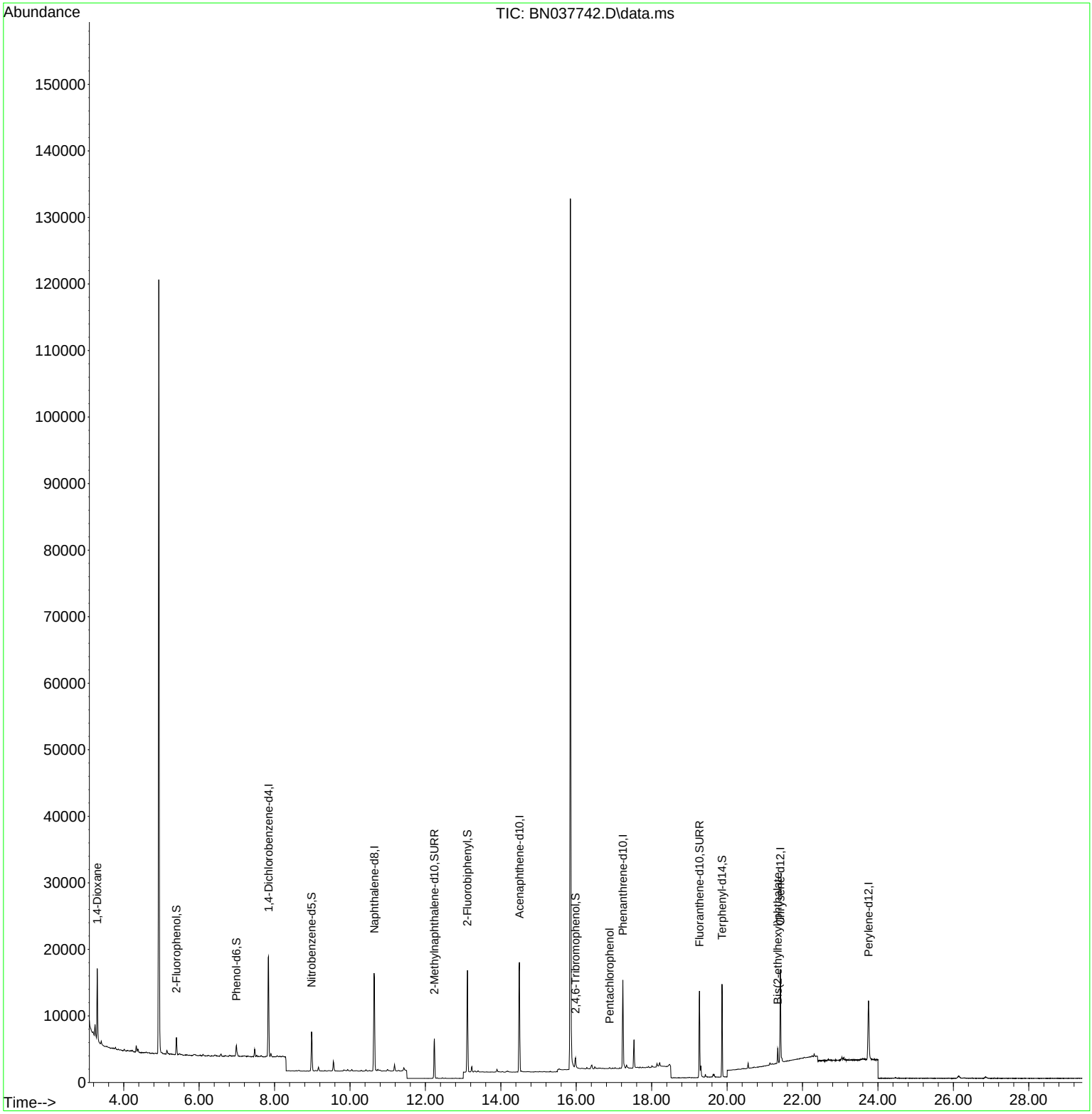
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.840	152	7535	0.400	ng	0.00
7) Naphthalene-d8	10.648	136	20988	0.400	ng	# 0.00
13) Acenaphthene-d10	14.494	164	9821	0.400	ng	0.00
19) Phenanthrene-d10	17.235	188	16837	0.400	ng	# 0.00
29) Chrysene-d12	21.411	240	12718	0.400	ng	# 0.00
35) Perylene-d12	23.750	264	12632	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.399	112	2083	0.120	ng	0.00
5) Phenol-d6	6.988	99	1575	0.070	ng	0.00
8) Nitrobenzene-d5	8.982	82	4648	0.303	ng	-0.01
11) 2-Methylnaphthalene-d10	12.238	152	8034	0.289	ng	0.00
14) 2,4,6-Tribromophenol	15.982	330	991	0.387	ng	0.00
15) 2-Fluorobiphenyl	13.115	172	12659	0.308	ng	0.00
27) Fluoranthene-d10	19.266	212	14185	0.336	ng	0.00
31) Terphenyl-d14	19.866	244	12772	0.495	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.297	88	6702	0.854	ng	94
24) Pentachlorophenol	16.888	266	114	0.031	ng	# 88
34) Bis(2-ethylhexyl)phtha...	21.340	149	2491	0.189	ng	99

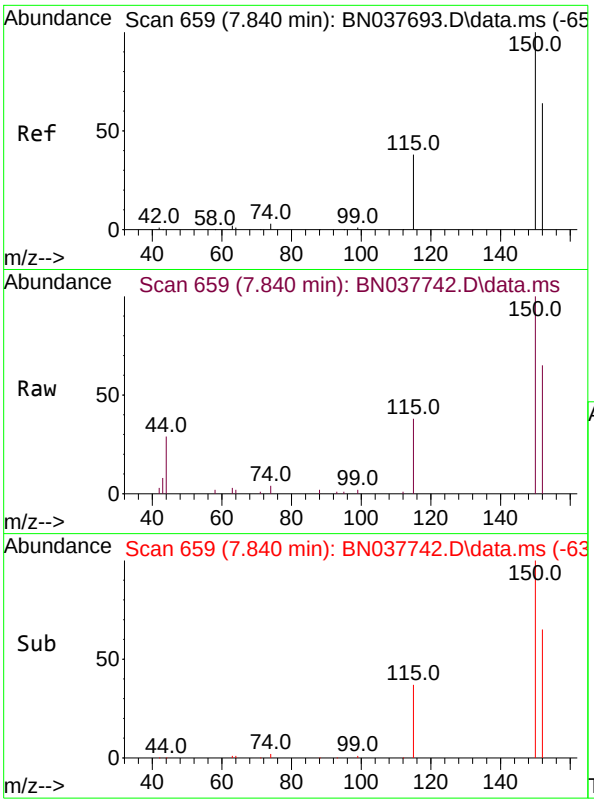
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091725\
Data File : BN037742.D
Acq On : 17 Sep 2025 12:38
Operator : RC/JU
Sample : Q3095-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW203D2-20250909

Quant Time: Sep 17 13:16:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration



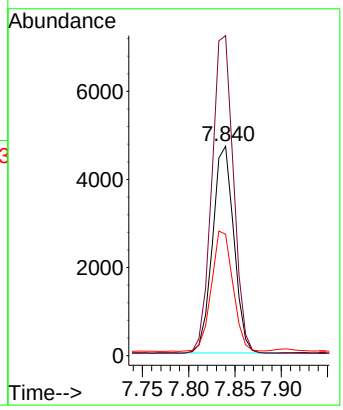


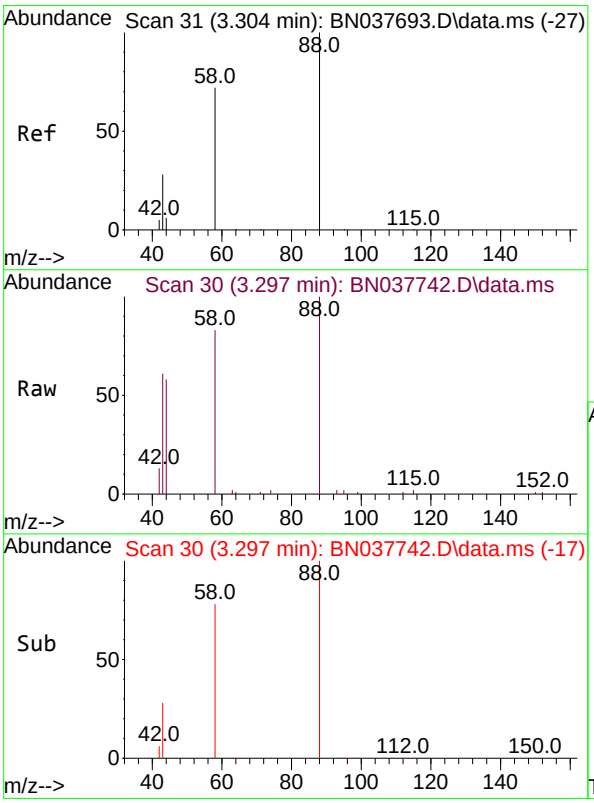
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.840 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN037742.D
Acq: 17 Sep 2025 12:38

Instrument :
BNA_N
ClientSampleId :
MW203D2-20250909

Tgt Ion:152 Resp: 7535

Ion	Ratio	Lower	Upper
152	100		
150	152.8	124.5	186.7
115	57.9	49.2	73.8

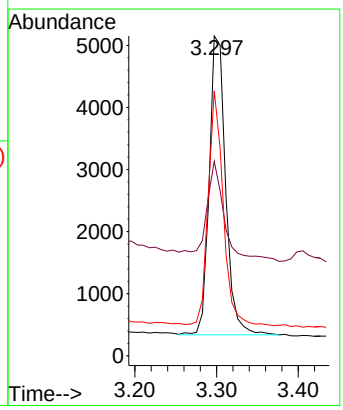


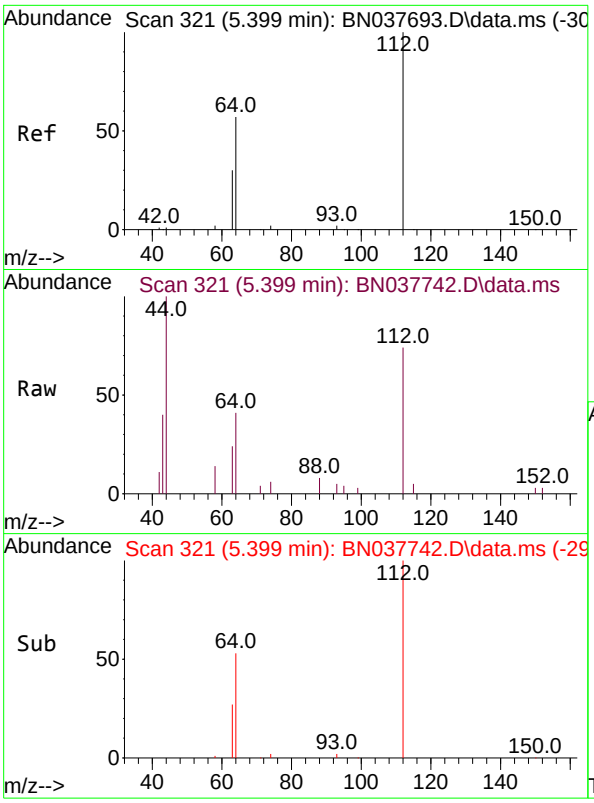


#2
1,4-Dioxane
Concen: 0.854 ng
RT: 3.297 min Scan# 30
Delta R.T. -0.007 min
Lab File: BN037742.D
Acq: 17 Sep 2025 12:38

Tgt Ion: 88 Resp: 6702

Ion	Ratio	Lower	Upper
88	100		
43	36.2	26.8	40.2
58	72.0	61.9	92.9



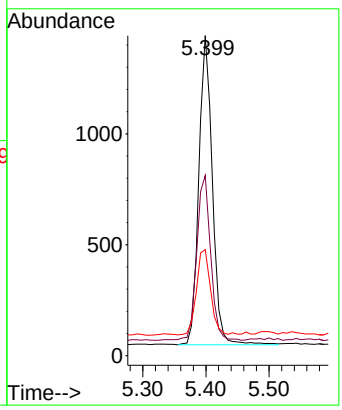


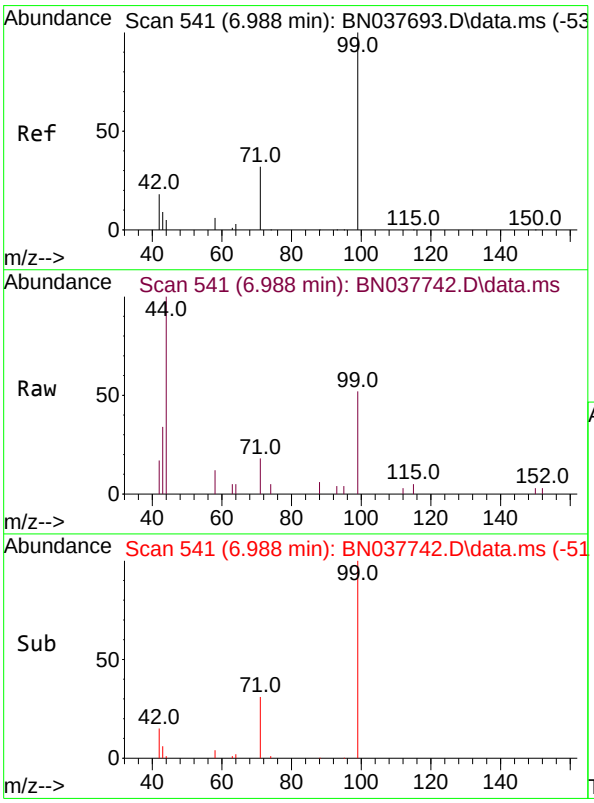
#4
2-Fluorophenol
Concen: 0.120 ng
RT: 5.399 min Scan# 3
Delta R.T. -0.000 min
Lab File: BN037742.D
Acq: 17 Sep 2025 12:38

Instrument :
BNA_N
ClientSampleId :
MW203D2-20250909

Tgt Ion:112 Resp: 2083

Ion	Ratio	Lower	Upper
112	100		
64	54.4	44.9	67.3
63	28.4	24.7	37.1

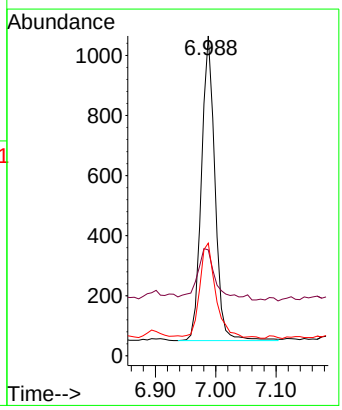


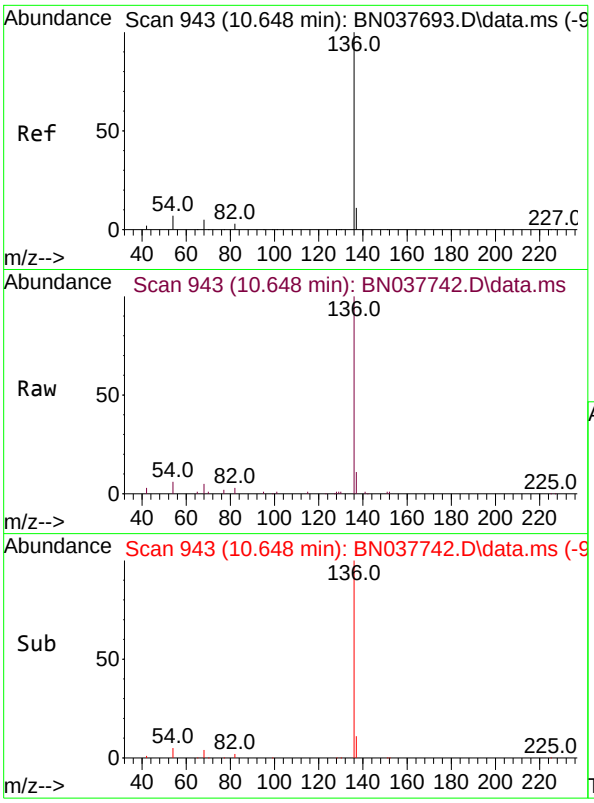


#5
Phenol-d6
Concen: 0.070 ng
RT: 6.988 min Scan# 541
Delta R.T. -0.000 min
Lab File: BN037742.D
Acq: 17 Sep 2025 12:38

Tgt Ion: 99 Resp: 1575

Ion	Ratio	Lower	Upper
99	100		
42	23.1	16.6	24.8
71	37.5	26.7	40.1



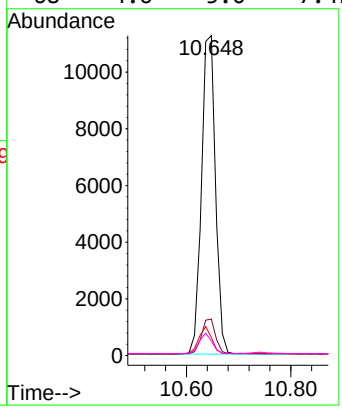


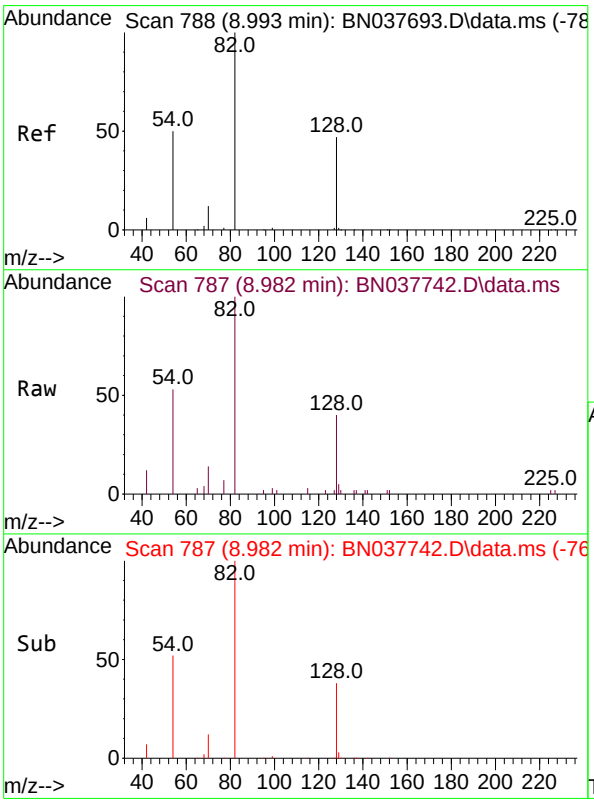
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.648 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN037742.D
Acq: 17 Sep 2025 12:38

Instrument :
BNA_N
ClientSampleId :
MW203D2-20250909

Tgt Ion:136 Resp: 20988

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	5.7	6.3	9.5#
68	4.6	5.0	7.4#

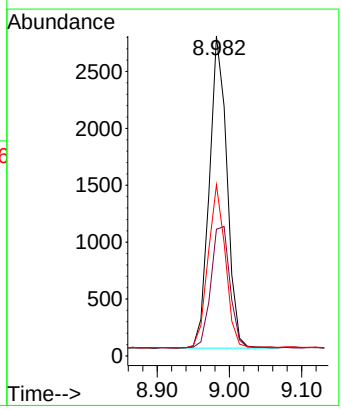


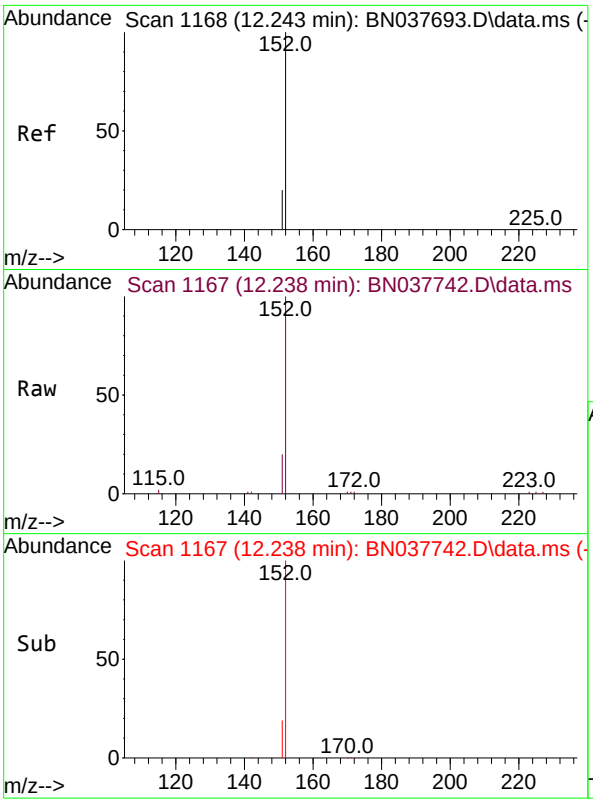


#8
Nitrobenzene-d5
Concen: 0.303 ng
RT: 8.982 min Scan# 787
Delta R.T. -0.011 min
Lab File: BN037742.D
Acq: 17 Sep 2025 12:38

Tgt Ion: 82 Resp: 4648

Ion	Ratio	Lower	Upper
82	100		
128	39.6	38.3	57.5
54	53.5	41.4	62.2



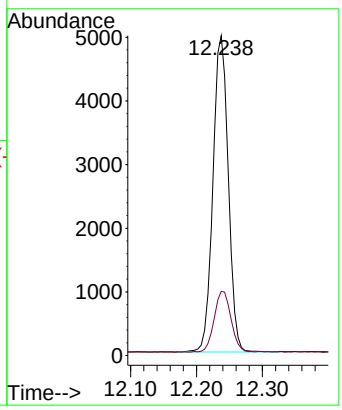


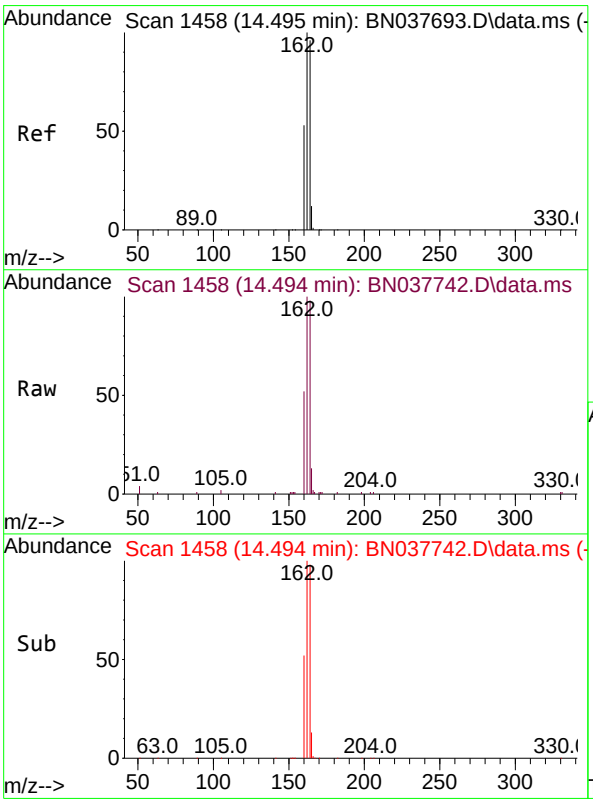
#11
2-Methylnaphthalene-d10
Concen: 0.289 ng
RT: 12.238 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN037742.D
Acq: 17 Sep 2025 12:38

Instrument :
BNA_N
ClientSampleId :
MW203D2-20250909

Tgt Ion:152 Resp: 8034

Ion	Ratio	Lower	Upper
152	100		
151	21.0	17.0	25.6

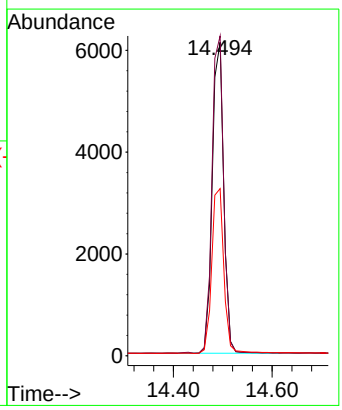


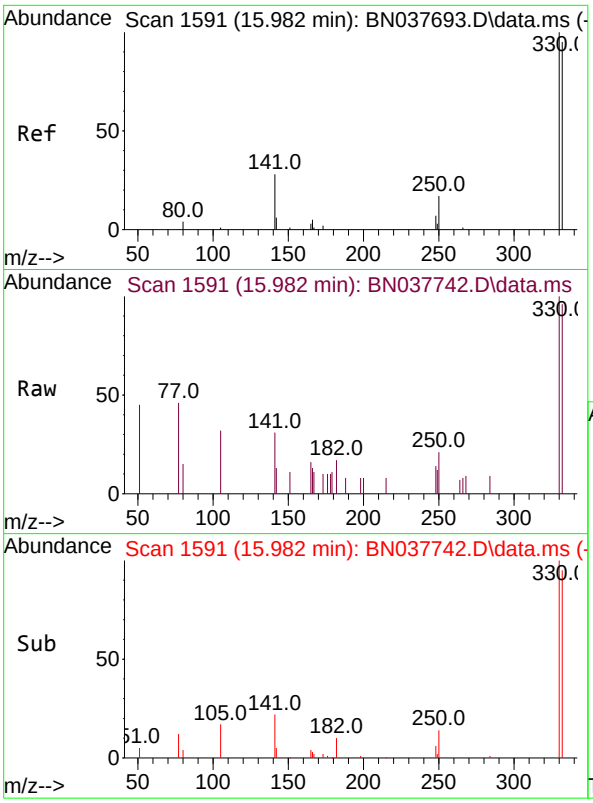


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.494 min Scan# 1458
Delta R.T. -0.000 min
Lab File: BN037742.D
Acq: 17 Sep 2025 12:38

Tgt Ion:164 Resp: 9821

Ion	Ratio	Lower	Upper
164	100		
162	102.0	83.1	124.7
160	53.3	44.3	66.5



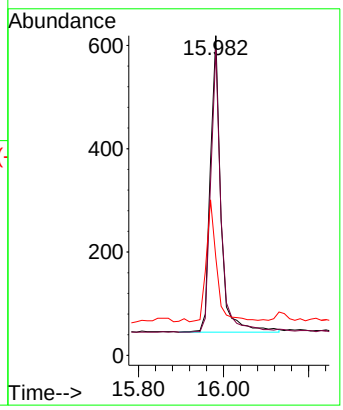


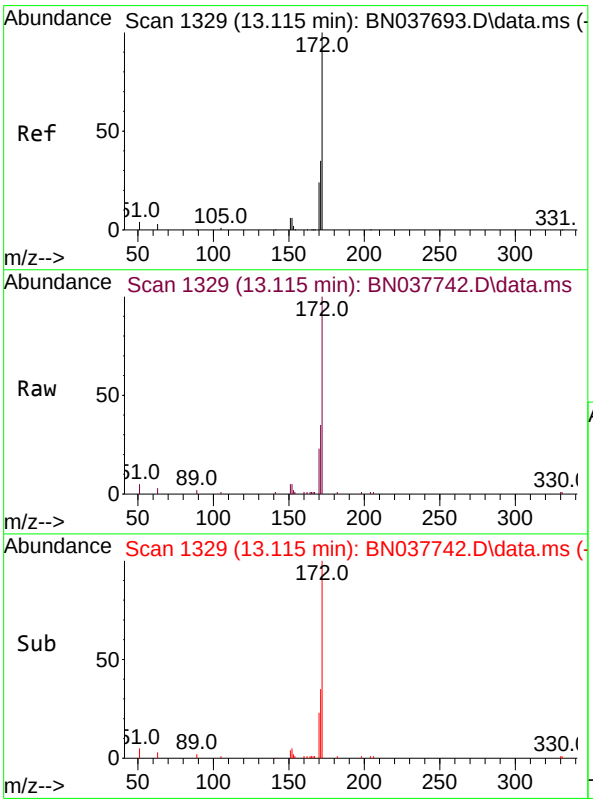
#14
2,4,6-Tribromophenol
Concen: 0.387 ng
RT: 15.982 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037742.D
Acq: 17 Sep 2025 12:38

Instrument :
BNA_N
ClientSampleId :
MW203D2-20250909

Tgt Ion:330 Resp: 991

Ion	Ratio	Lower	Upper
330	100		
332	93.6	75.3	112.9
141	40.7	35.0	52.4

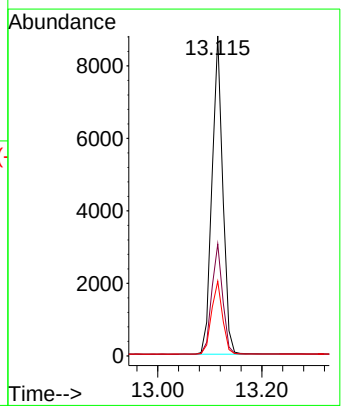


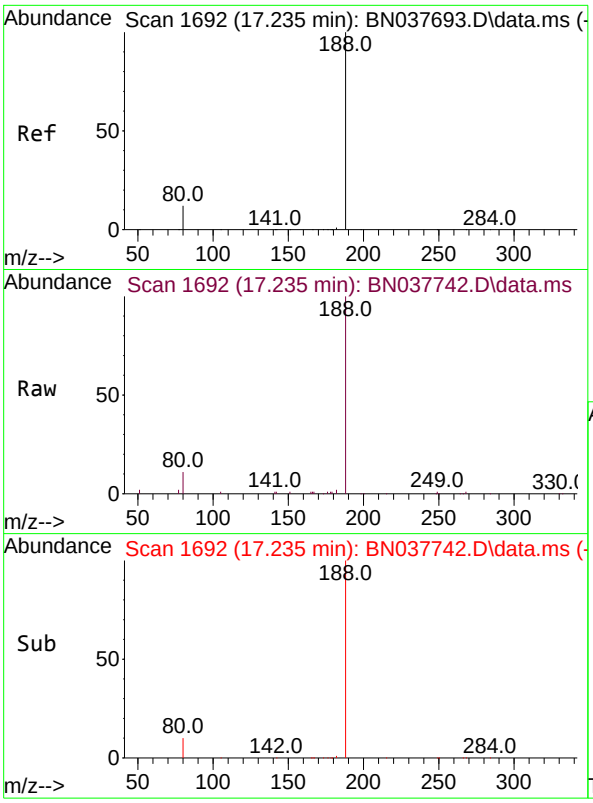


#15
2-Fluorobiphenyl
Concen: 0.308 ng
RT: 13.115 min Scan# 1329
Delta R.T. -0.000 min
Lab File: BN037742.D
Acq: 17 Sep 2025 12:38

Tgt Ion:172 Resp: 12659

Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.6	43.0
170	23.3	19.8	29.8



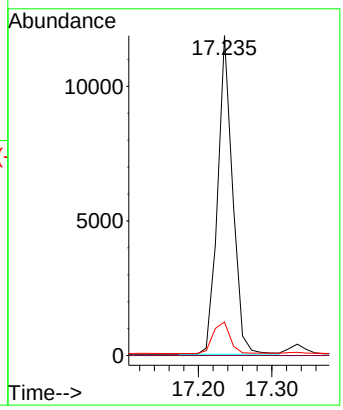


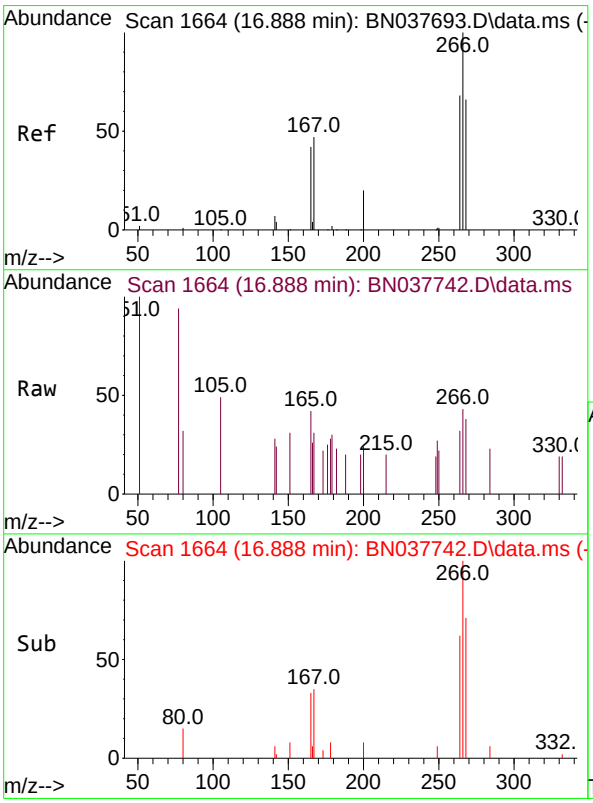
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.235 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037742.D
Acq: 17 Sep 2025 12:38

Instrument :
BNA_N
ClientSampleId :
MW203D2-20250909

Tgt Ion:188 Resp: 16837

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.5	10.6	15.8#

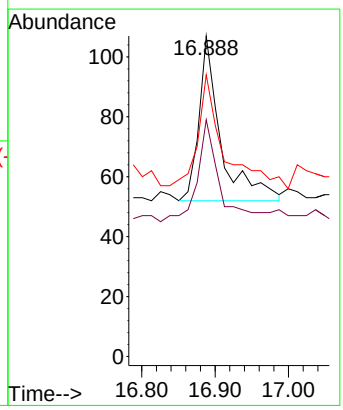


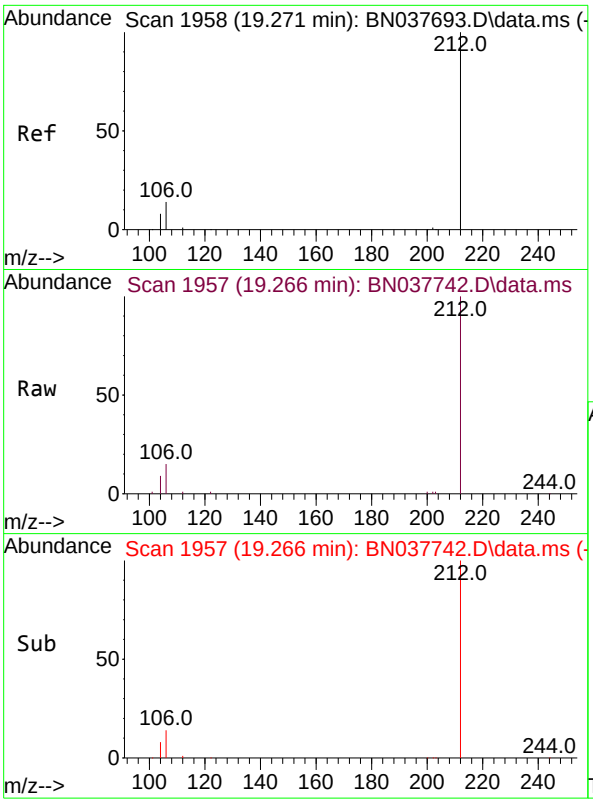


#24
Pentachlorophenol
Concen: 0.031 ng
RT: 16.888 min Scan# 1664
Delta R.T. -0.000 min
Lab File: BN037742.D
Acq: 17 Sep 2025 12:38

Tgt Ion:266 Resp: 114

Ion	Ratio	Lower	Upper
266	100		
264	61.4	51.6	77.4
268	81.6	53.2	79.8#



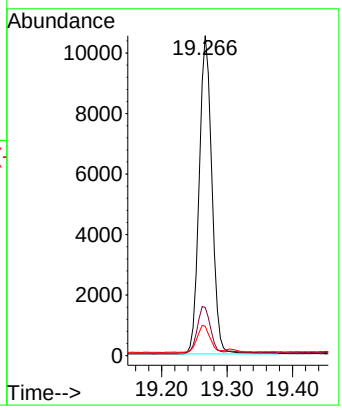


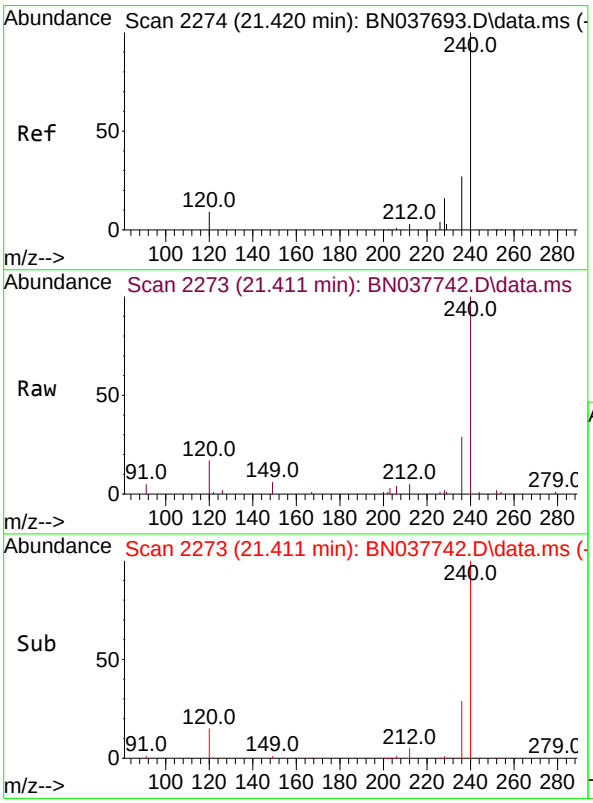
#27
Fluoranthene-d10
Concen: 0.336 ng
RT: 19.266 min Scan# 19
Delta R.T. -0.005 min
Lab File: BN037742.D
Acq: 17 Sep 2025 12:38

Instrument :
BNA_N
ClientSampleId :
MW203D2-20250909

Tgt Ion:212 Resp: 14185

Ion	Ratio	Lower	Upper
212	100		
106	15.0	12.2	18.2
104	8.6	6.9	10.3

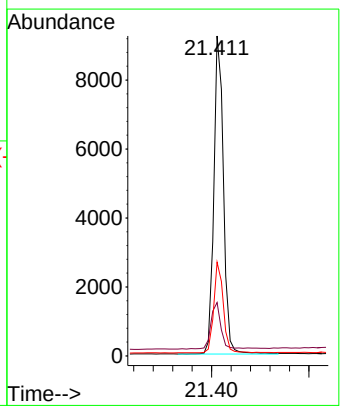


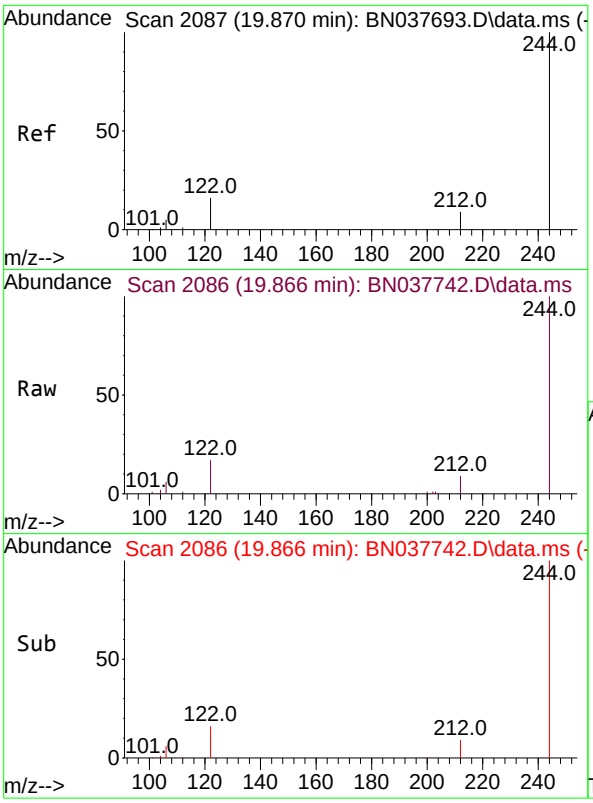


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.411 min Scan# 2273
Delta R.T. -0.009 min
Lab File: BN037742.D
Acq: 17 Sep 2025 12:38

Tgt Ion:240 Resp: 12718

Ion	Ratio	Lower	Upper
240	100		
120	16.7	9.2	13.8#
236	29.3	22.6	33.8



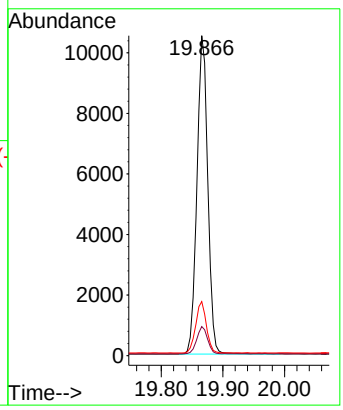


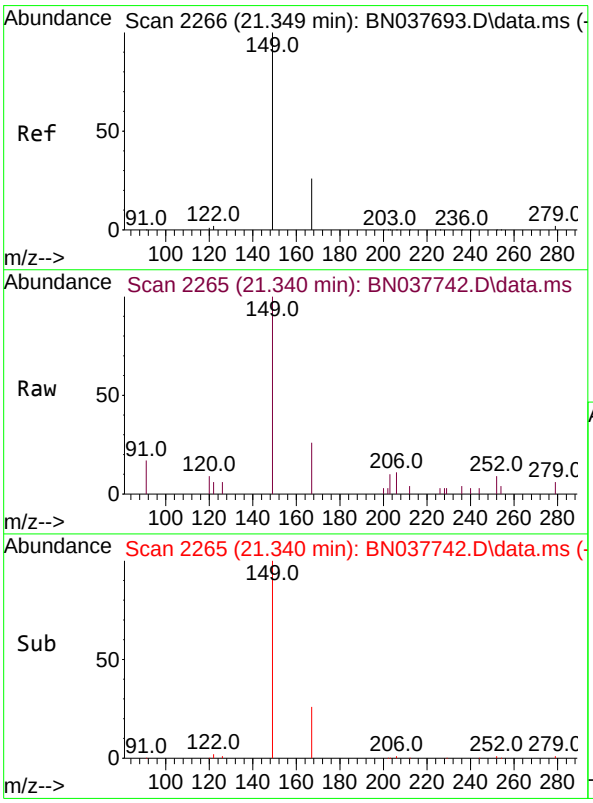
#31
Terphenyl-d14
Concen: 0.495 ng
RT: 19.866 min Scan# 20
Delta R.T. -0.005 min
Lab File: BN037742.D
Acq: 17 Sep 2025 12:38

Instrument :
BNA_N
ClientSampleId :
MW203D2-20250909

Tgt Ion:244 Resp: 12772

Ion	Ratio	Lower	Upper
244	100		
212	9.1	7.5	11.3
122	16.9	13.2	19.8

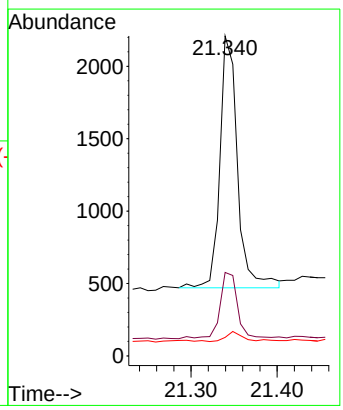


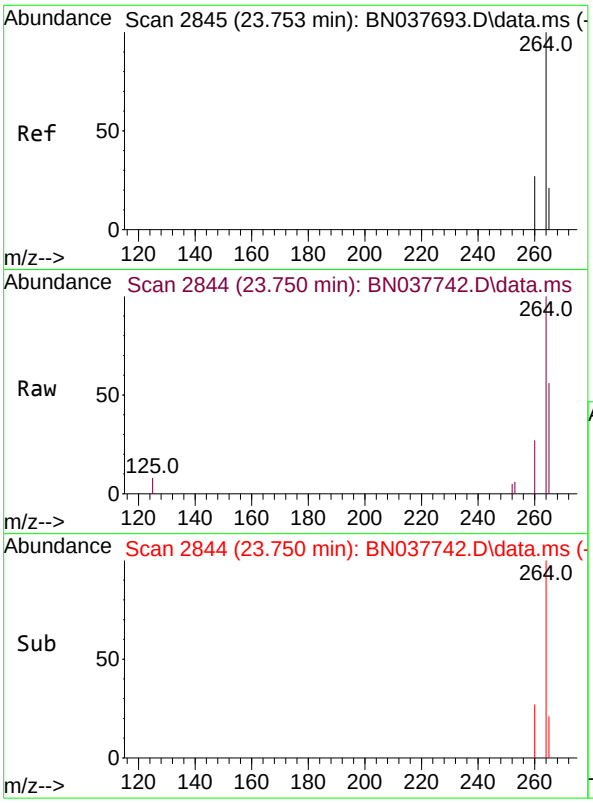


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.189 ng
RT: 21.340 min Scan# 2265
Delta R.T. -0.009 min
Lab File: BN037742.D
Acq: 17 Sep 2025 12:38

Tgt Ion:149 Resp: 2491

Ion	Ratio	Lower	Upper
149	100		
167	26.2	20.8	31.2
279	3.6	3.3	4.9



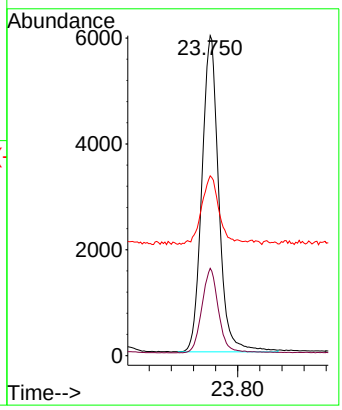


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.750 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN037742.D
Acq: 17 Sep 2025 12:38

Instrument :
BNA_N
ClientSampleId :
MW203D2-20250909

Tgt Ion:264 Resp: 12632

Ion	Ratio	Lower	Upper
264	100		
260	27.3	21.8	32.8
265	56.2	39.4	59.2



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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	MW203D1-20250909	SDG No.:	Q3095
Lab Sample ID:	Q3095-08	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
BN037751.D	1	09/15/25 10:15	09/17/25 18:13	PB169692

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	0.30		30 - 150		75%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.37		30 - 150		92%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.32		55 - 111		81%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.34		53 - 106		84%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.47		58 - 132		117%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6740	7.84				
1146-65-2	Naphthalene-d8	18300	10.637				
15067-26-2	Acenaphthene-d10	8160	14.495				
1517-22-2	Phenanthrene-d10	14500	17.235				
1719-03-5	Chrysene-d12	12300	21.411				
1520-96-3	Perylene-d12	12300	23.747				

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\BN091725\
Data File : BN037751.D
Acq On : 17 Sep 2025 18:13
Operator : RC/JU
Sample : Q3095-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW203D1-20250909

Quant Time: Sep 17 18:37:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

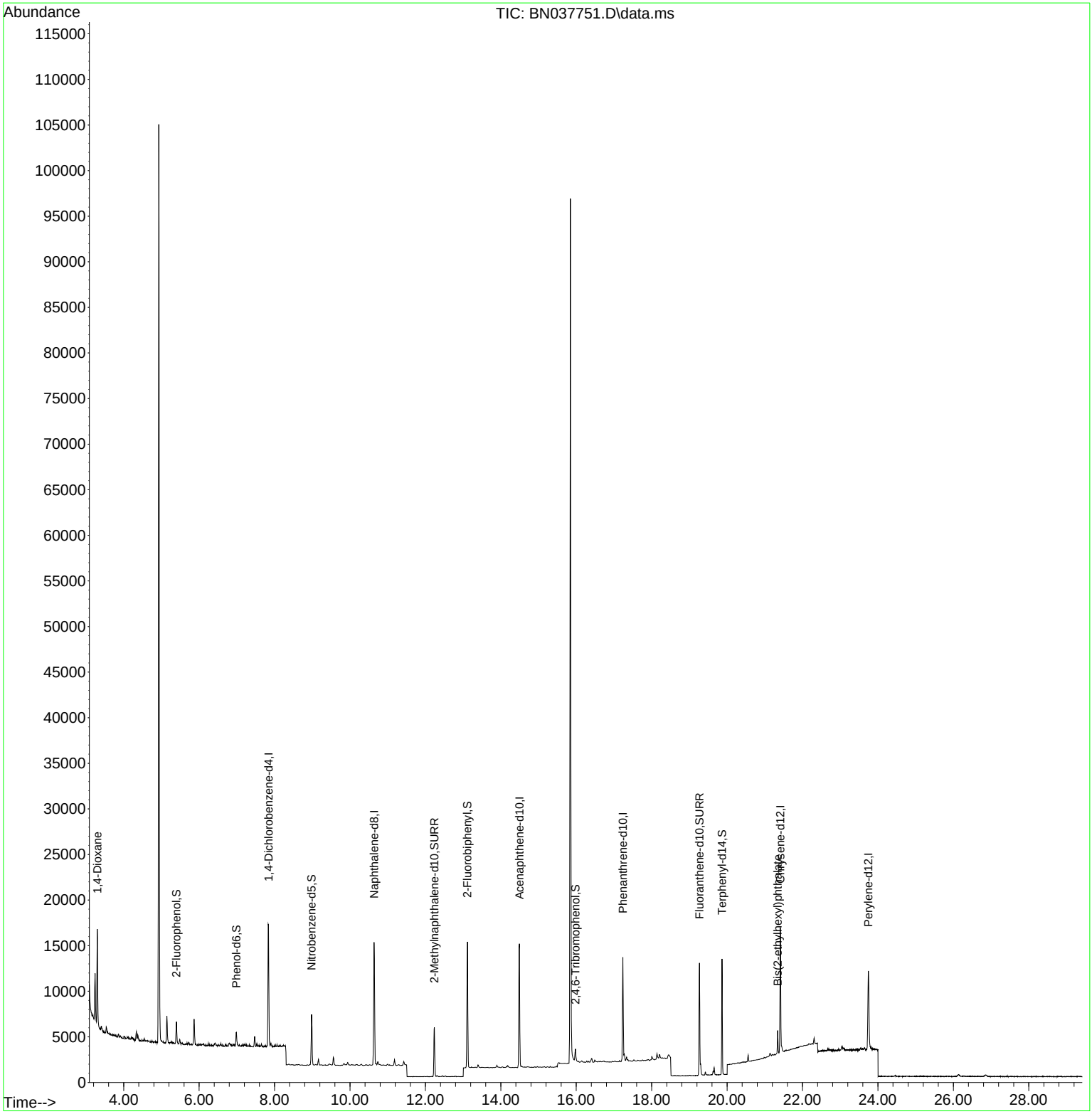
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.840	152	6737	0.400	ng	0.00
7) Naphthalene-d8	10.637	136	18255	0.400	ng	-0.01
13) Acenaphthene-d10	14.495	164	8162	0.400	ng	0.00
19) Phenanthrene-d10	17.235	188	14474	0.400	ng	# 0.00
29) Chrysene-d12	21.411	240	12341	0.400	ng	# 0.00
35) Perylene-d12	23.747	264	12297	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.399	112	1900	0.123	ng	0.00
5) Phenol-d6	6.988	99	1423	0.071	ng	0.00
8) Nitrobenzene-d5	8.982	82	4307	0.323	ng	-0.01
11) 2-Methylnaphthalene-d10	12.238	152	7260	0.300	ng	0.00
14) 2,4,6-Tribromophenol	15.982	330	850	0.399	ng	0.00
15) 2-Fluorobiphenyl	13.115	172	11534	0.338	ng	0.00
27) Fluoranthene-d10	19.267	212	13393	0.369	ng	0.00
31) Terphenyl-d14	19.866	244	11743	0.469	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.304	88	6666	0.950	ng	96
34) Bis(2-ethylhexyl)phtha...	21.340	149	2537	0.199	ng	98

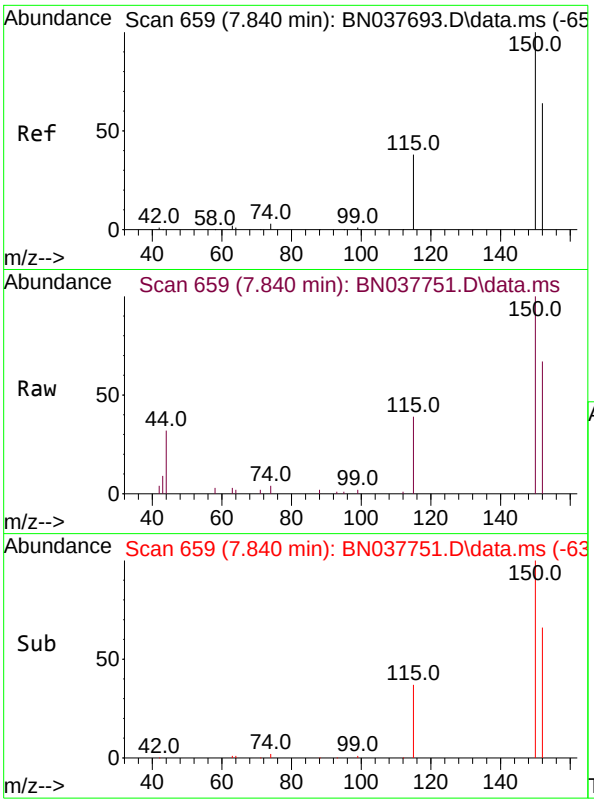
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091725\
Data File : BN037751.D
Acq On : 17 Sep 2025 18:13
Operator : RC/JU
Sample : Q3095-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW203D1-20250909

Quant Time: Sep 17 18:37:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration



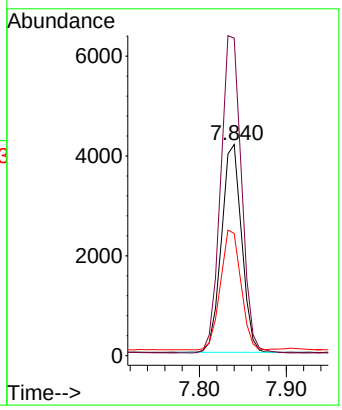


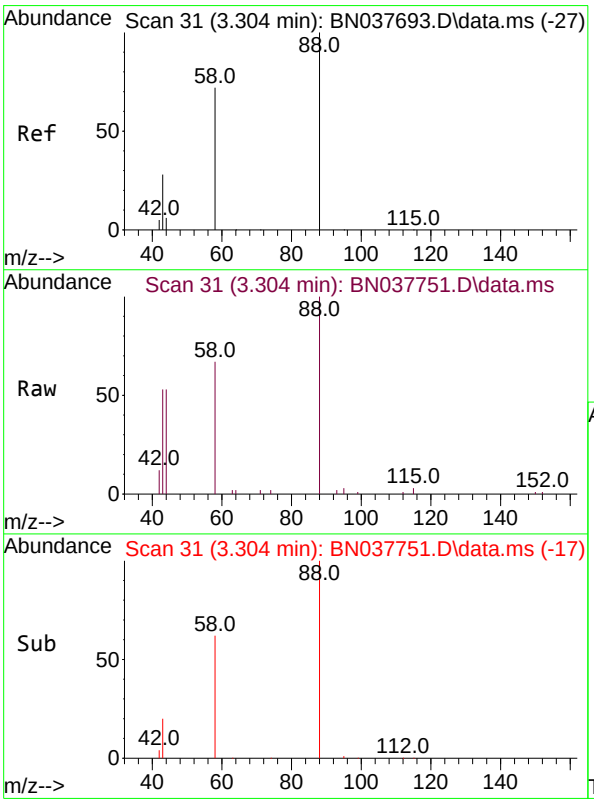
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.840 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN037751.D
Acq: 17 Sep 2025 18:13

Instrument :
BNA_N
ClientSampleId :
MW203D1-20250909

Tgt Ion:152 Resp: 6737

Ion	Ratio	Lower	Upper
152	100		
150	150.3	124.5	186.7
115	57.9	49.2	73.8

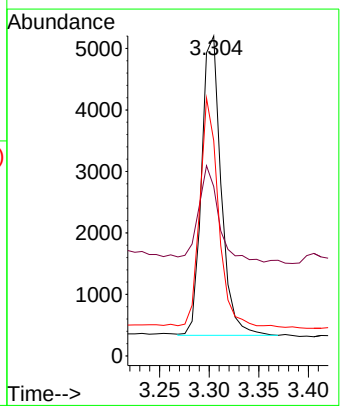


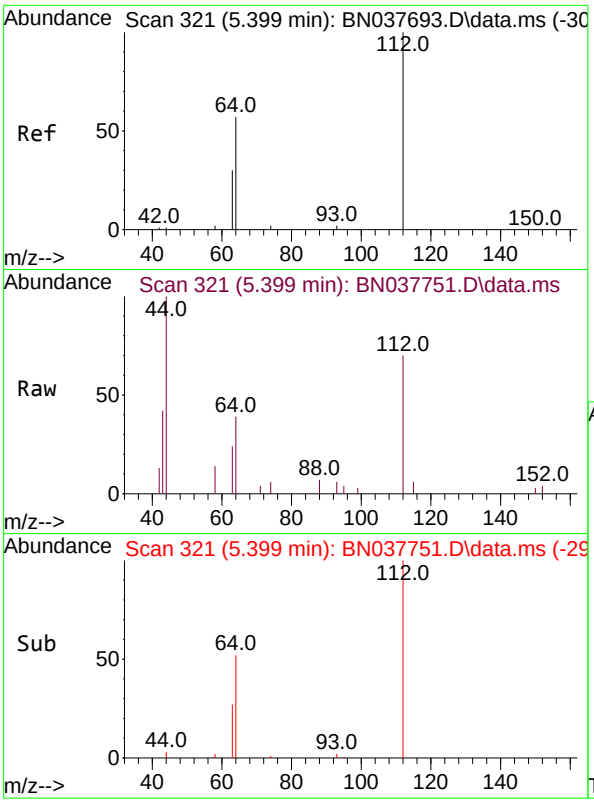


#2
1,4-Dioxane
Concen: 0.950 ng
RT: 3.304 min Scan# 31
Delta R.T. -0.000 min
Lab File: BN037751.D
Acq: 17 Sep 2025 18:13

Tgt Ion: 88 Resp: 6666

Ion	Ratio	Lower	Upper
88	100		
43	35.2	26.8	40.2
58	73.5	61.9	92.9



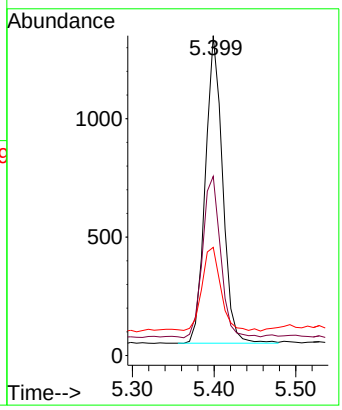


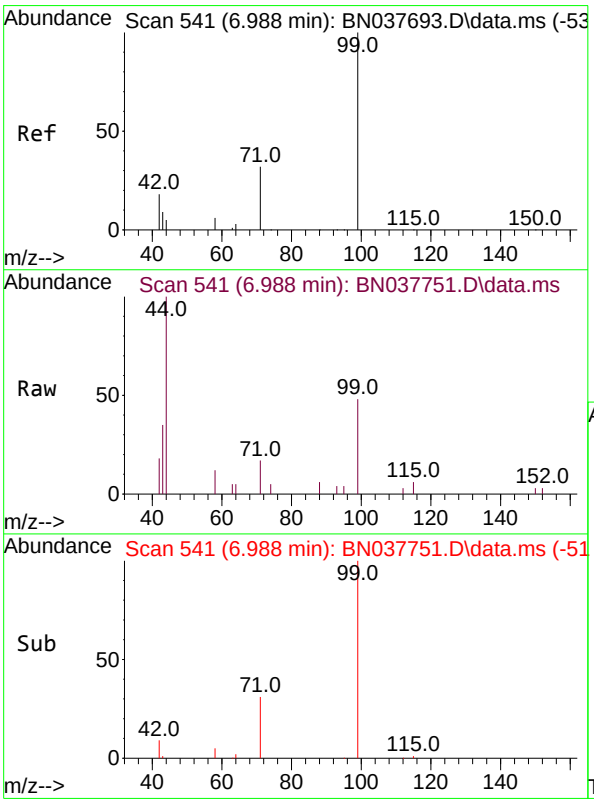
#4
2-Fluorophenol
Concen: 0.123 ng
RT: 5.399 min Scan# 3
Delta R.T. -0.000 min
Lab File: BN037751.D
Acq: 17 Sep 2025 18:13

Instrument :
BNA_N
ClientSampleId :
MW203D1-20250909

Tgt Ion:112 Resp: 1900

Ion	Ratio	Lower	Upper
112	100		
64	54.9	44.9	67.3
63	29.7	24.7	37.1

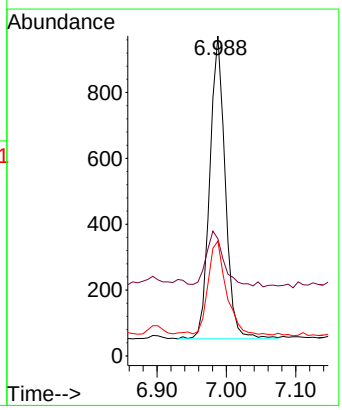


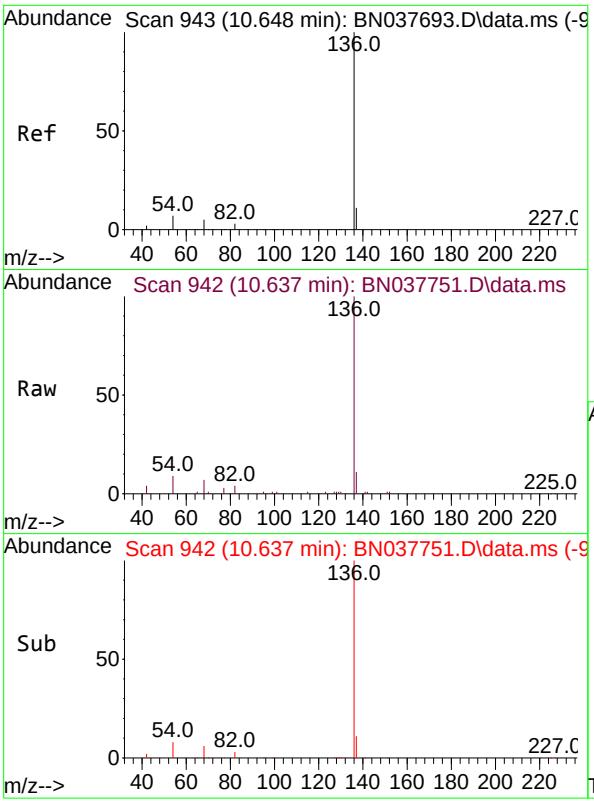


#5
Phenol-d6
Concen: 0.071 ng
RT: 6.988 min Scan# 541
Delta R.T. 0.000 min
Lab File: BN037751.D
Acq: 17 Sep 2025 18:13

Tgt Ion: 99 Resp: 1423

Ion	Ratio	Lower	Upper
99	100		
42	19.7	16.6	24.8
71	37.2	26.7	40.1



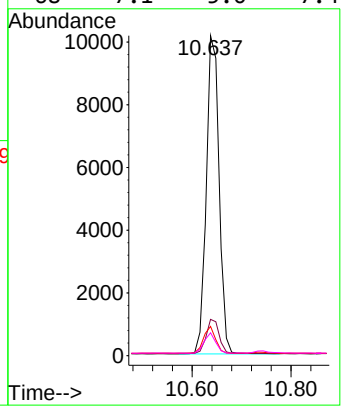


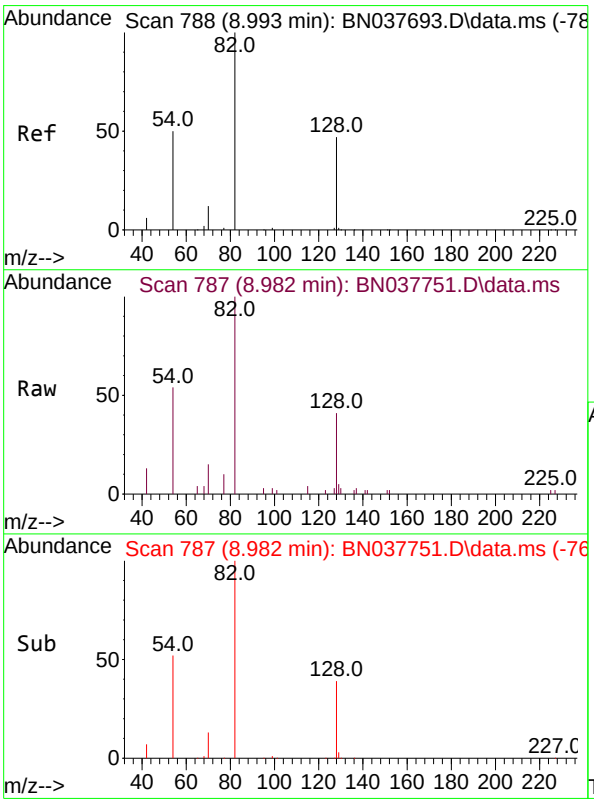
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.637 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037751.D
Acq: 17 Sep 2025 18:13

Instrument :
BNA_N
ClientSampleId :
MW203D1-20250909

Tgt Ion:136 Resp: 18255

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	9.1	6.3	9.5
68	7.1	5.0	7.4

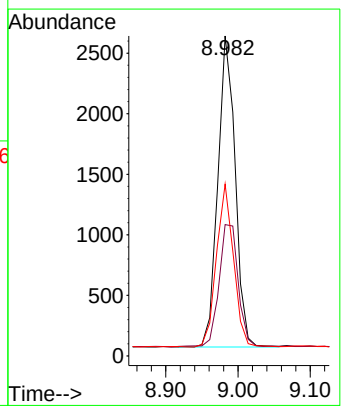


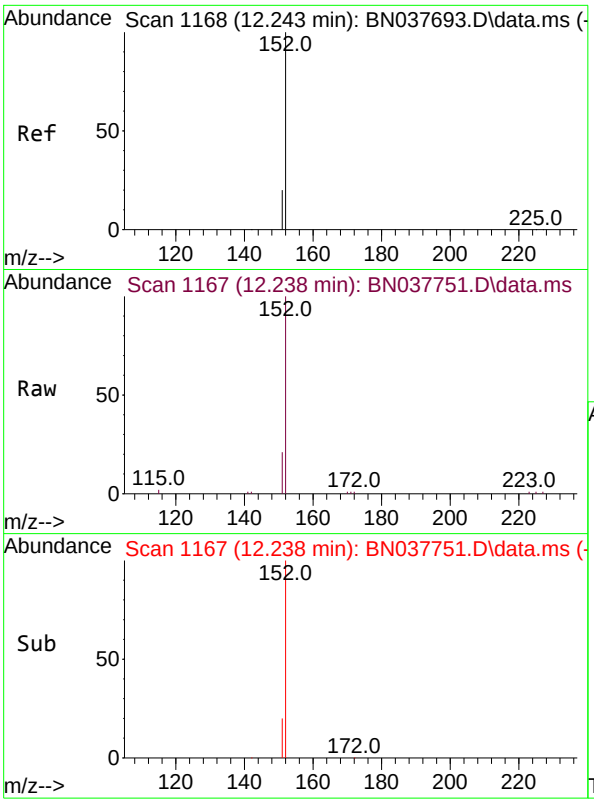


#8
Nitrobenzene-d5
Concen: 0.323 ng
RT: 8.982 min Scan# 787
Delta R.T. -0.011 min
Lab File: BN037751.D
Acq: 17 Sep 2025 18:13

Tgt Ion: 82 Resp: 4307

Ion	Ratio	Lower	Upper
82	100		
128	41.1	38.3	57.5
54	53.7	41.4	62.2



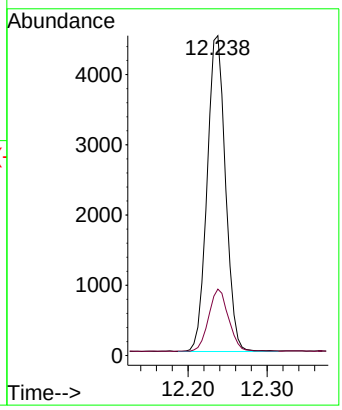


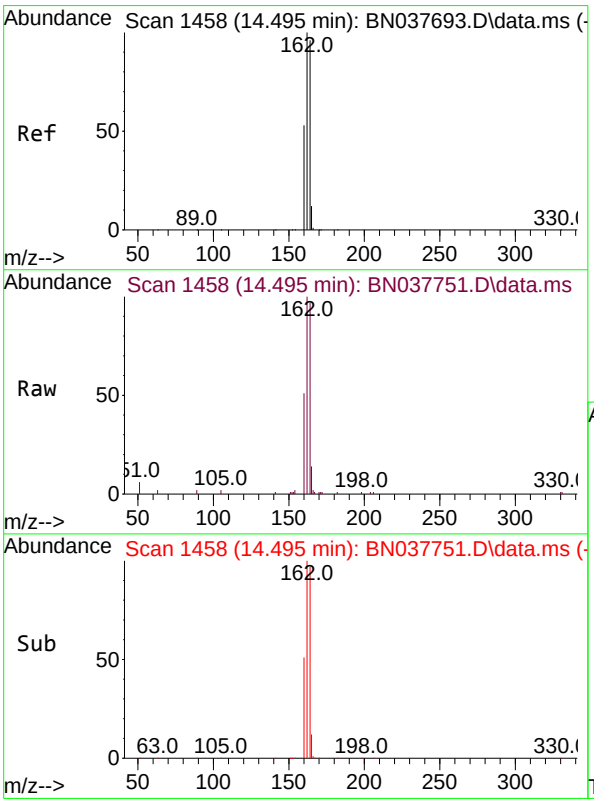
#11
2-Methylnaphthalene-d10
Concen: 0.300 ng
RT: 12.238 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN037751.D
Acq: 17 Sep 2025 18:13

Instrument :
BNA_N
ClientSampleId :
MW203D1-20250909

Tgt Ion:152 Resp: 7260

Ion	Ratio	Lower	Upper
152	100		
151	21.2	17.0	25.6

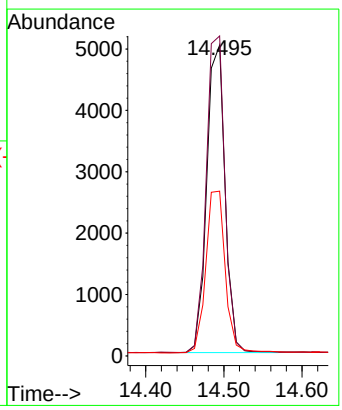


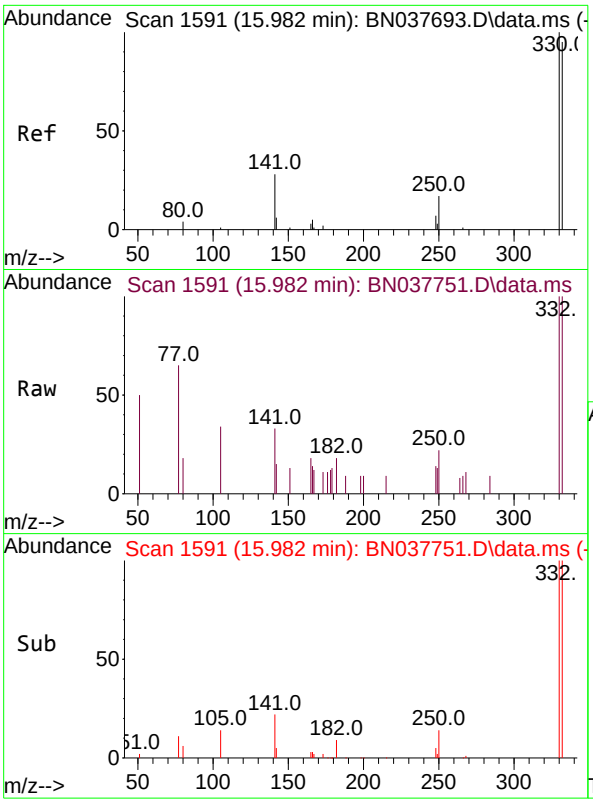


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.495 min Scan# 1458
Delta R.T. -0.000 min
Lab File: BN037751.D
Acq: 17 Sep 2025 18:13

Tgt Ion:164 Resp: 8162

Ion	Ratio	Lower	Upper
164	100		
162	103.0	83.1	124.7
160	53.0	44.3	66.5



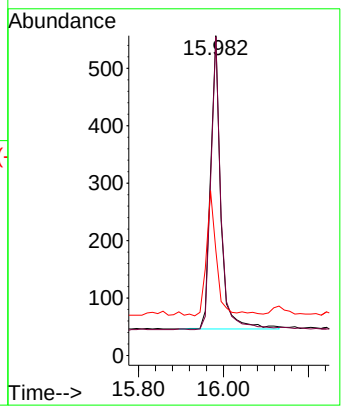


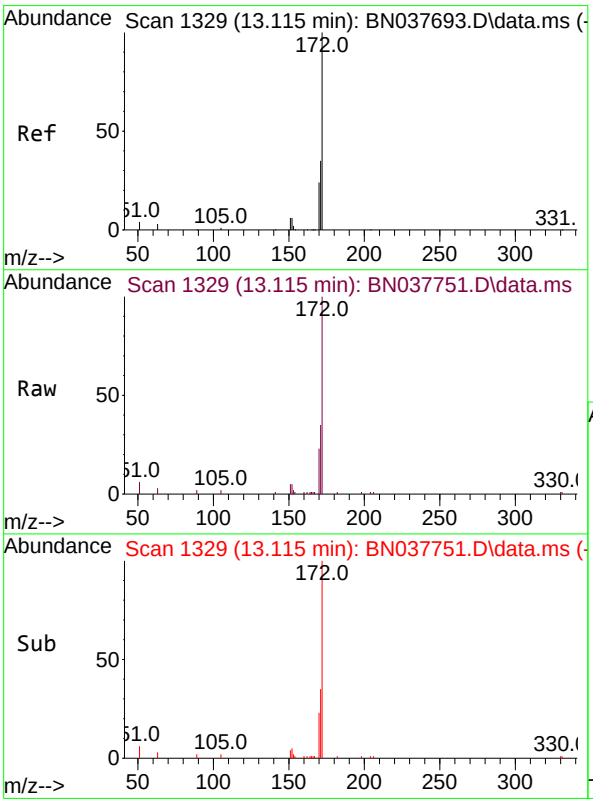
#14
2,4,6-Tribromophenol
Concen: 0.399 ng
RT: 15.982 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037751.D
Acq: 17 Sep 2025 18:13

Instrument :
BNA_N
ClientSampleId :
MW203D1-20250909

Tgt Ion:330 Resp: 850

Ion	Ratio	Lower	Upper
330	100		
332	98.2	75.3	112.9
141	41.2	35.0	52.4

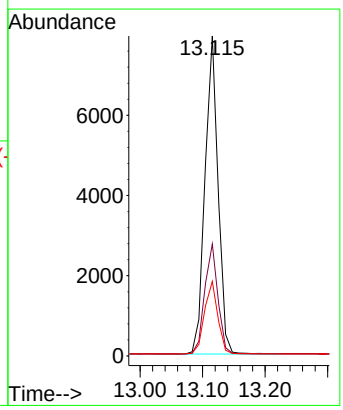


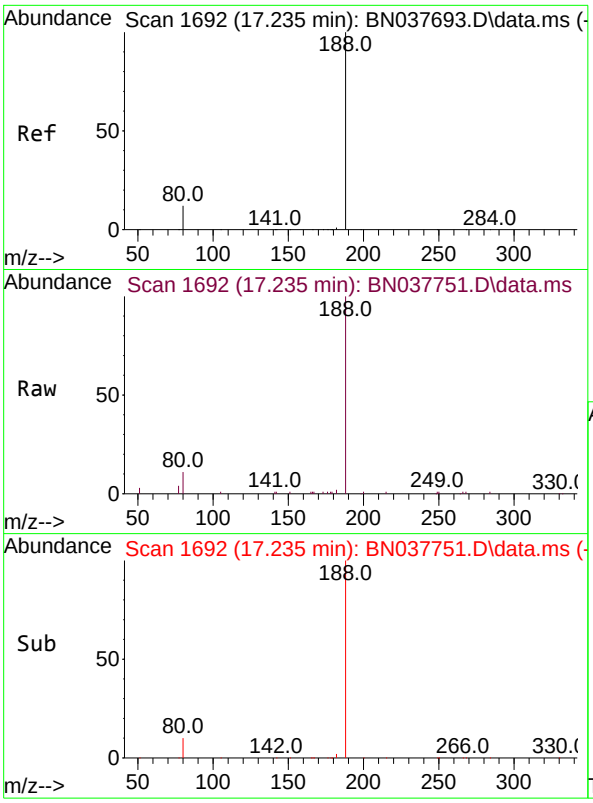


#15
2-Fluorobiphenyl
Concen: 0.338 ng
RT: 13.115 min Scan# 1329
Delta R.T. -0.000 min
Lab File: BN037751.D
Acq: 17 Sep 2025 18:13

Tgt Ion:172 Resp: 11534

Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.6	43.0
170	23.3	19.8	29.8



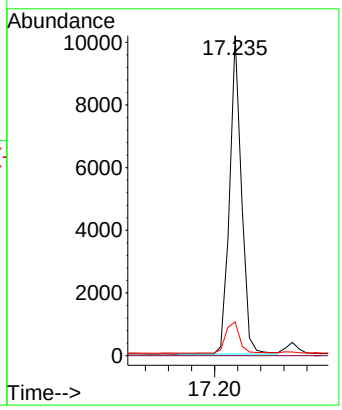


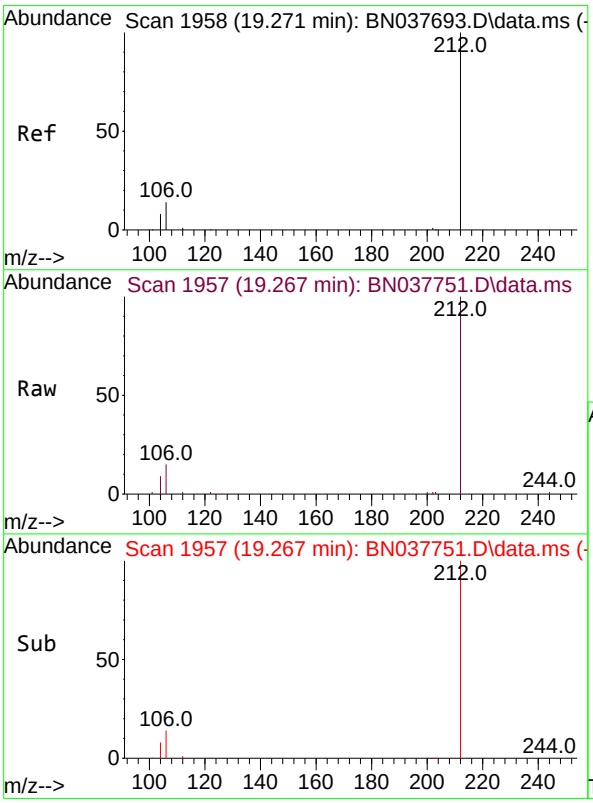
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.235 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037751.D
Acq: 17 Sep 2025 18:13

Instrument :
BNA_N
ClientSampleId :
MW203D1-20250909

Tgt Ion:188 Resp: 14474

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.6	10.6	15.8#

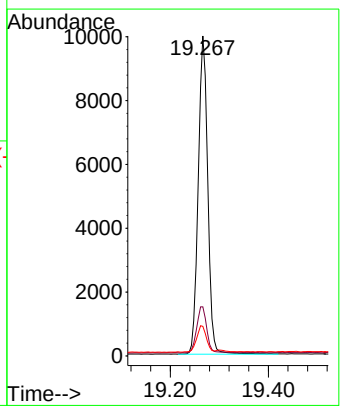


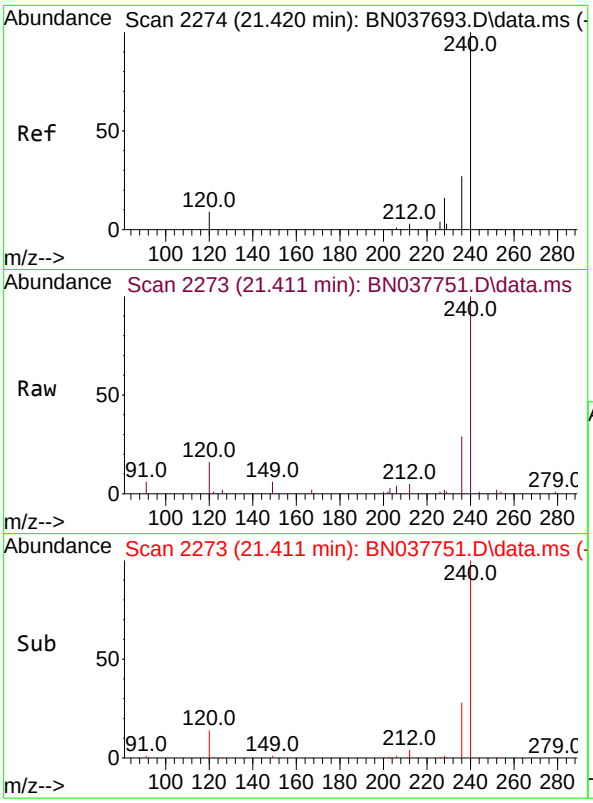


#27
Fluoranthene-d10
Concen: 0.369 ng
RT: 19.267 min Scan# 1957
Delta R.T. -0.005 min
Lab File: BN037751.D
Acq: 17 Sep 2025 18:13

Tgt Ion:212 Resp: 13393

Ion	Ratio	Lower	Upper
212	100		
106	15.6	12.2	18.2
104	8.5	6.9	10.3



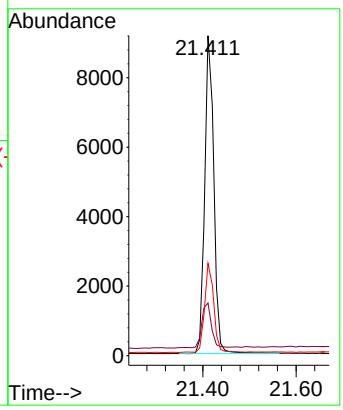


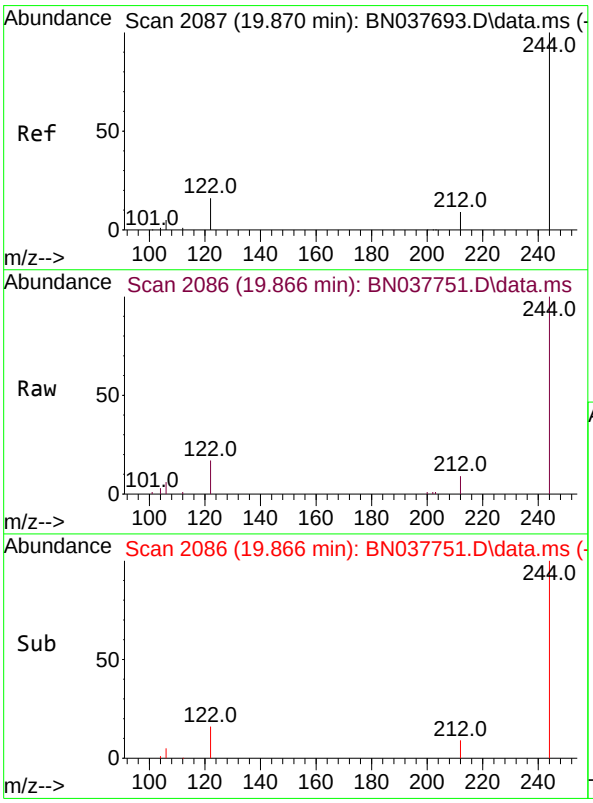
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.411 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN037751.D
Acq: 17 Sep 2025 18:13

Instrument :
BNA_N
ClientSampleId :
MW203D1-20250909

Tgt Ion:240 Resp: 12341

Ion	Ratio	Lower	Upper
240	100		
120	16.4	9.2	13.8#
236	28.8	22.6	33.8

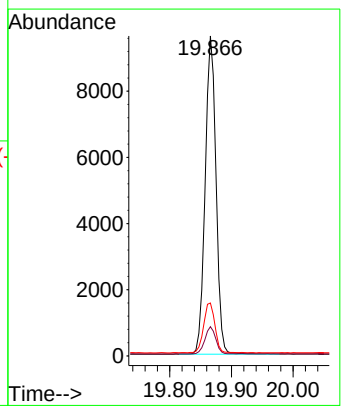


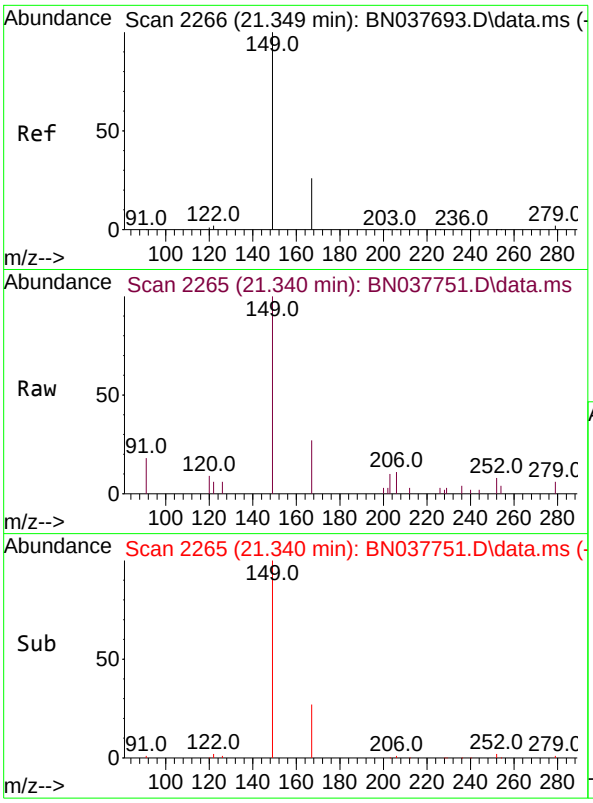


#31
Terphenyl-d14
Concen: 0.469 ng
RT: 19.866 min Scan# 2086
Delta R.T. -0.005 min
Lab File: BN037751.D
Acq: 17 Sep 2025 18:13

Tgt Ion:244 Resp: 11743

Ion	Ratio	Lower	Upper
244	100		
212	9.1	7.5	11.3
122	16.5	13.2	19.8



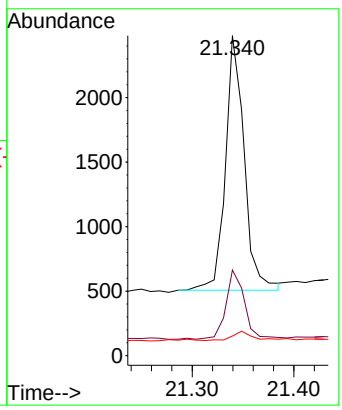


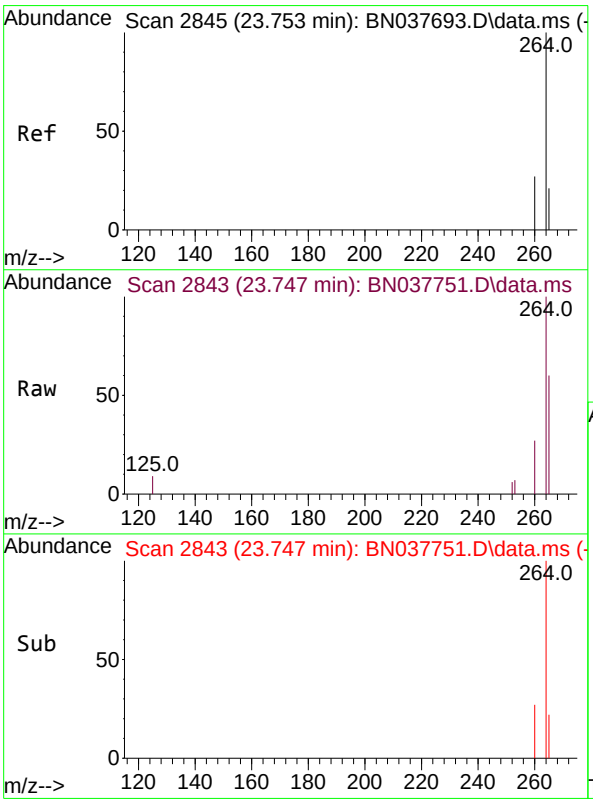
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.199 ng
RT: 21.340 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037751.D
Acq: 17 Sep 2025 18:13

Instrument :
BNA_N
ClientSampleId :
MW203D1-20250909

Tgt Ion:149 Resp: 2537

Ion	Ratio	Lower	Upper
149	100		
167	27.1	20.8	31.2
279	4.3	3.3	4.9

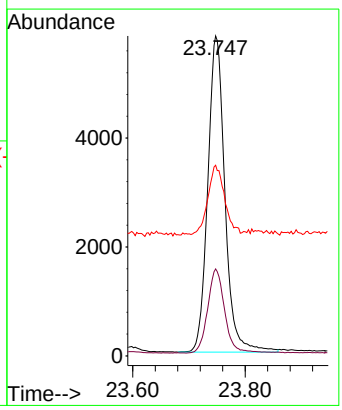




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.747 min Scan# 2843
Delta R.T. -0.006 min
Lab File: BN037751.D
Acq: 17 Sep 2025 18:13

Tgt Ion:264 Resp: 12297

Ion	Ratio	Lower	Upper
264	100		
260	27.2	21.8	32.8
265	59.6	39.4	59.2#



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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	MW179D2-20250909	SDG No.:	Q3095
Lab Sample ID:	Q3095-09	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	970 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
BN037752.D	1	09/15/25 10:15	09/17/25 18:49	PB169692

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.62		0.070	0.21	0.21	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.30		30 - 150		74%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.35		30 - 150		87%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.32		55 - 111		80%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.32		53 - 106		81%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.40		58 - 132		99%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6450	7.84				
1146-65-2	Naphthalene-d8	17500	10.637				
15067-26-2	Acenaphthene-d10	7930	14.494				
1517-22-2	Phenanthrene-d10	13400	17.235				
1719-03-5	Chrysene-d12	10500	21.411				
1520-96-3	Perylene-d12	10500	23.747				

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\BN091725\
Data File : BN037752.D
Acq On : 17 Sep 2025 18:49
Operator : RC/JU
Sample : Q3095-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW179D2-20250909

Quant Time: Sep 17 19:13:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

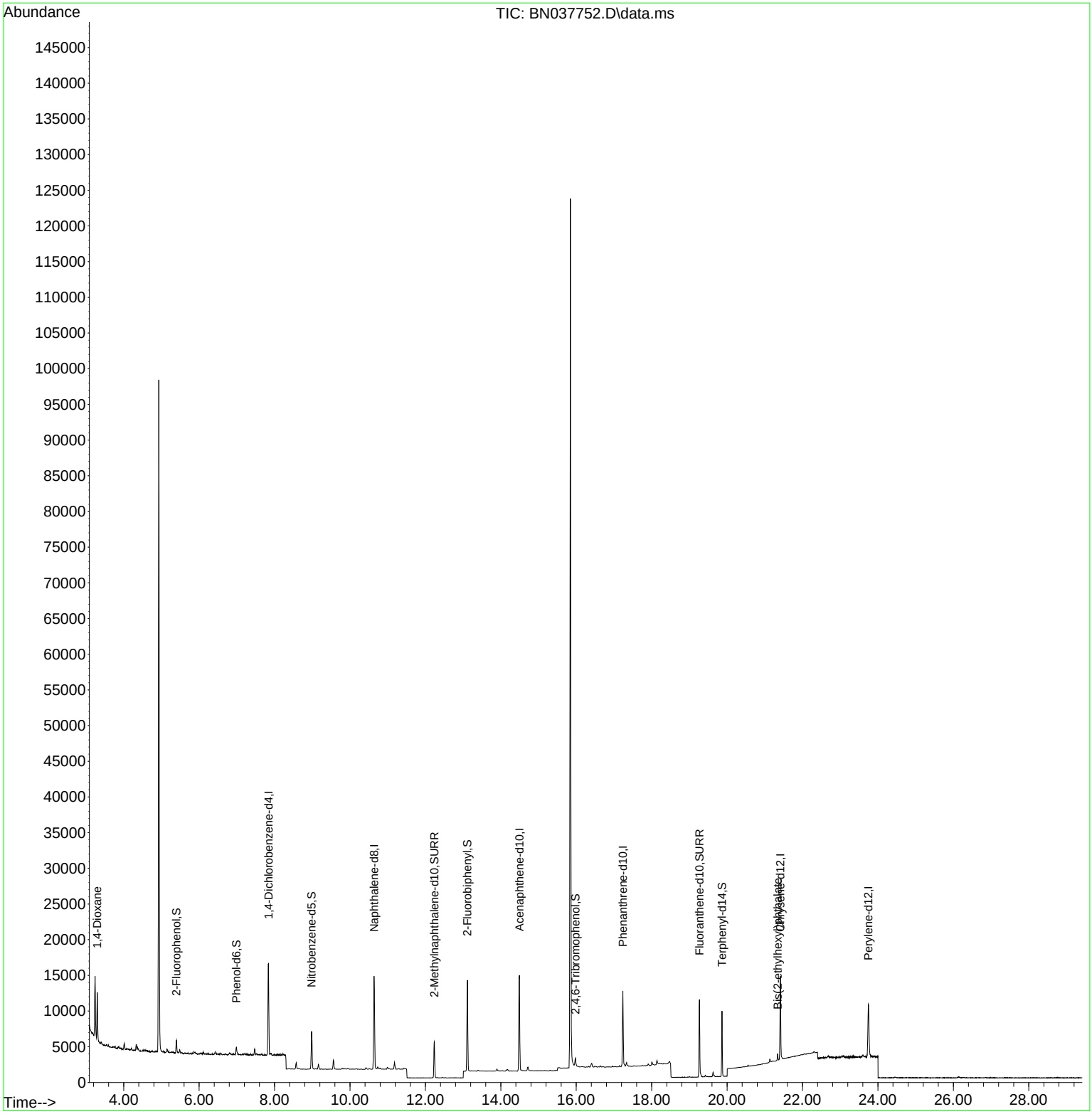
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.840	152	6450	0.400	ng	0.00
7) Naphthalene-d8	10.637	136	17530	0.400	ng	-0.01
13) Acenaphthene-d10	14.494	164	7934	0.400	ng	0.00
19) Phenanthrene-d10	17.235	188	13430	0.400	ng	# 0.00
29) Chrysene-d12	21.411	240	10479	0.400	ng	# 0.00
35) Perylene-d12	23.747	264	10489	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.399	112	1456	0.098	ng	0.00
5) Phenol-d6	6.988	99	1014	0.053	ng	0.00
8) Nitrobenzene-d5	8.982	82	4086	0.319	ng	-0.01
11) 2-Methylnaphthalene-d10	12.238	152	6853	0.295	ng	0.00
14) 2,4,6-Tribromophenol	15.982	330	686	0.332	ng	0.00
15) 2-Fluorobiphenyl	13.115	172	10696	0.322	ng	0.00
27) Fluoranthene-d10	19.266	212	11725	0.348	ng	0.00
31) Terphenyl-d14	19.866	244	8402	0.395	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.297	88	4057	0.604	ng	# 94
34) Bis(2-ethylhexyl)phtha...	21.339	149	1006	0.093	ng	# 97

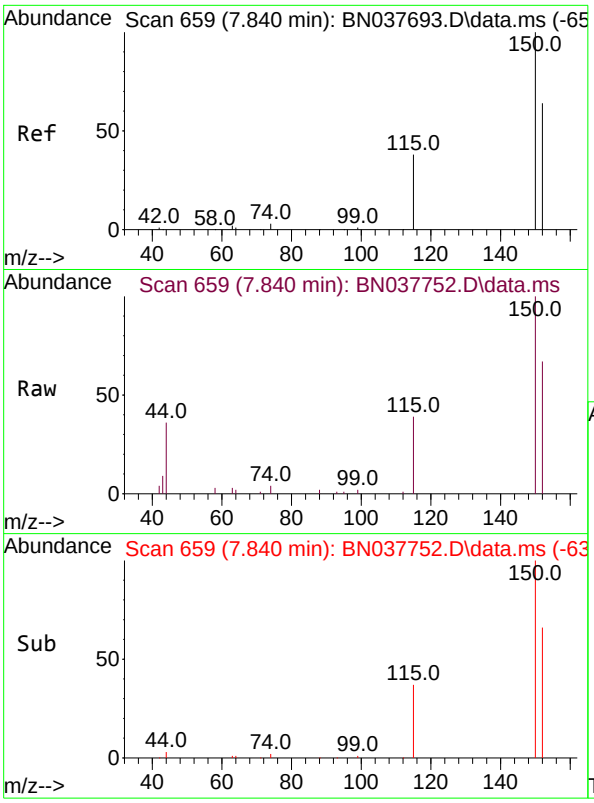
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091725\
Data File : BN037752.D
Acq On : 17 Sep 2025 18:49
Operator : RC/JU
Sample : Q3095-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW179D2-20250909

Quant Time: Sep 17 19:13:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration



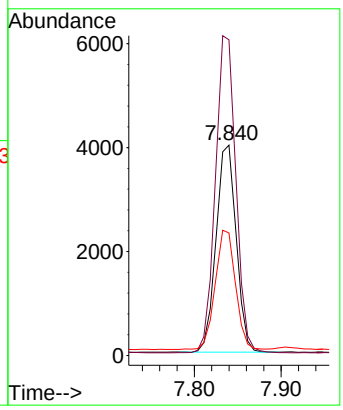


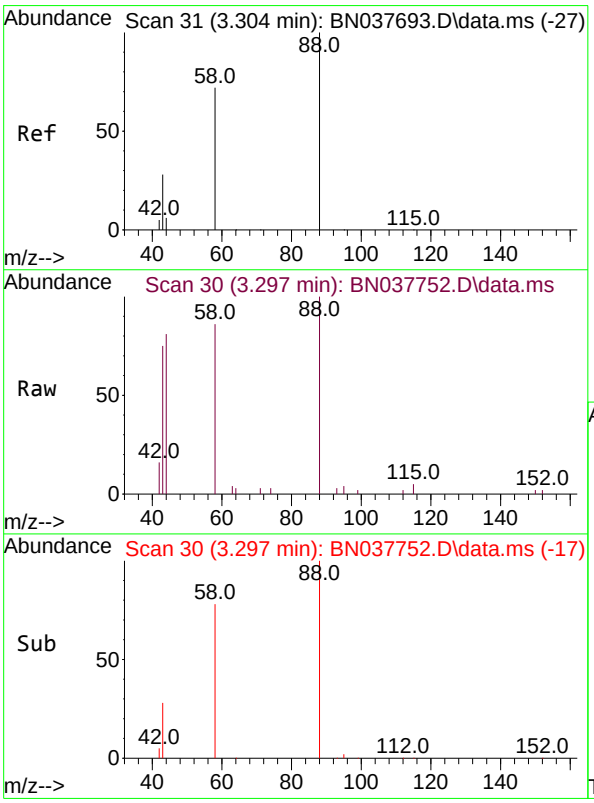
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.840 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN037752.D
Acq: 17 Sep 2025 18:49

Instrument :
BNA_N
ClientSampleId :
MW179D2-20250909

Tgt Ion:152 Resp: 6450

Ion	Ratio	Lower	Upper
152	100		
150	150.0	124.5	186.7
115	58.2	49.2	73.8

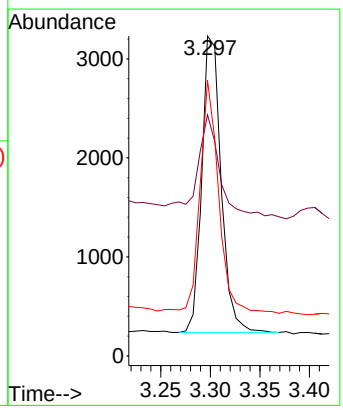


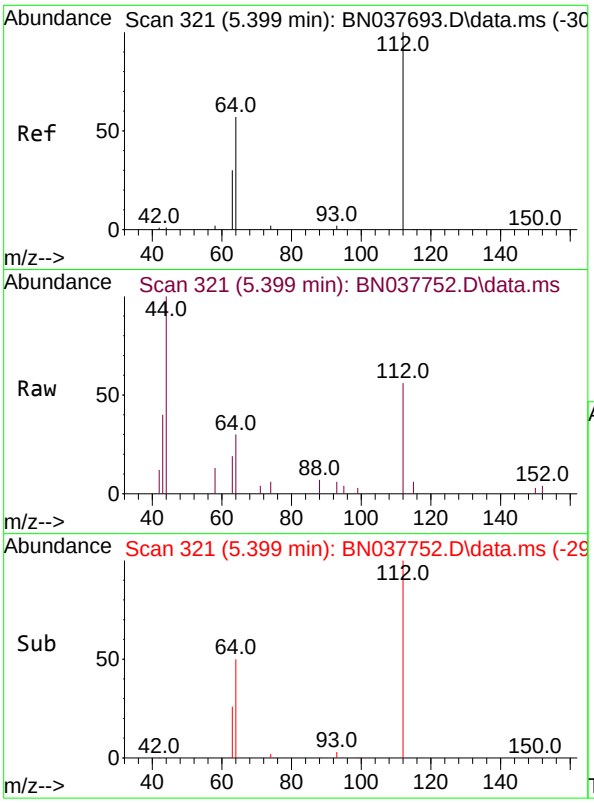


#2
1,4-Dioxane
Concen: 0.604 ng
RT: 3.297 min Scan# 30
Delta R.T. -0.007 min
Lab File: BN037752.D
Acq: 17 Sep 2025 18:49

Tgt Ion: 88 Resp: 4057

Ion	Ratio	Lower	Upper
88	100		
43	42.4	26.8	40.2#
58	76.2	61.9	92.9



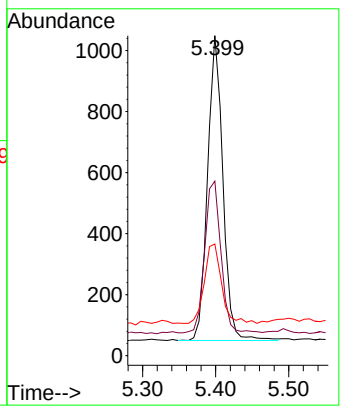


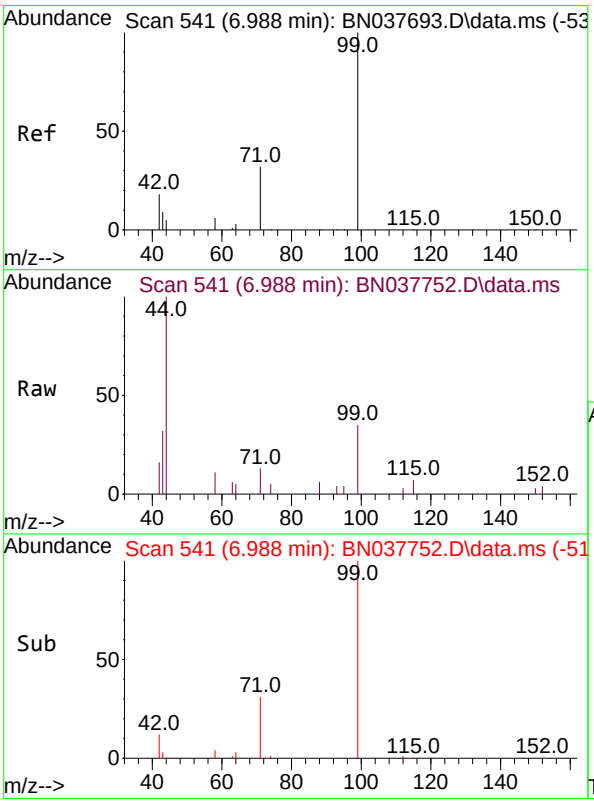
#4
2-Fluorophenol
Concen: 0.098 ng
RT: 5.399 min Scan# 3
Delta R.T. -0.000 min
Lab File: BN037752.D
Acq: 17 Sep 2025 18:49

Instrument :
BNA_N
ClientSampleId :
MW179D2-20250909

Tgt Ion:112 Resp: 1456

Ion	Ratio	Lower	Upper
112	100		
64	52.8	44.9	67.3
63	29.1	24.7	37.1

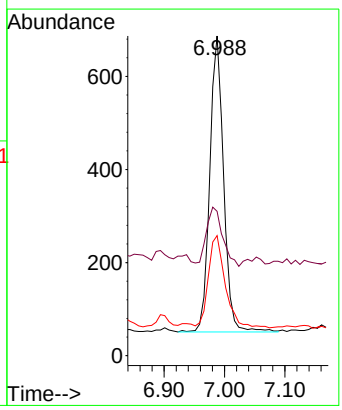


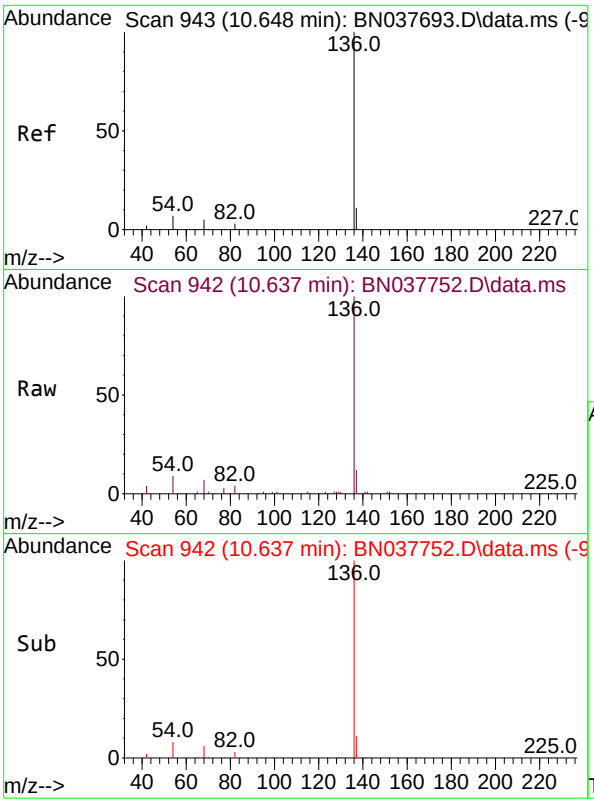


#5
Phenol-d6
Concen: 0.053 ng
RT: 6.988 min Scan# 541
Delta R.T. -0.000 min
Lab File: BN037752.D
Acq: 17 Sep 2025 18:49

Tgt Ion: 99 Resp: 1014

Ion	Ratio	Lower	Upper
99	100		
42	23.3	16.6	24.8
71	37.9	26.7	40.1



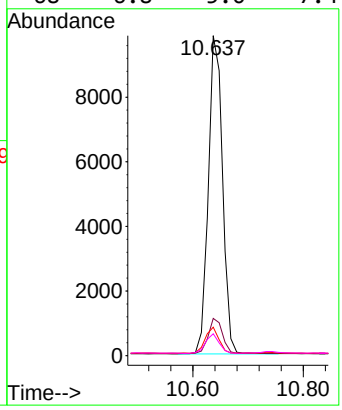


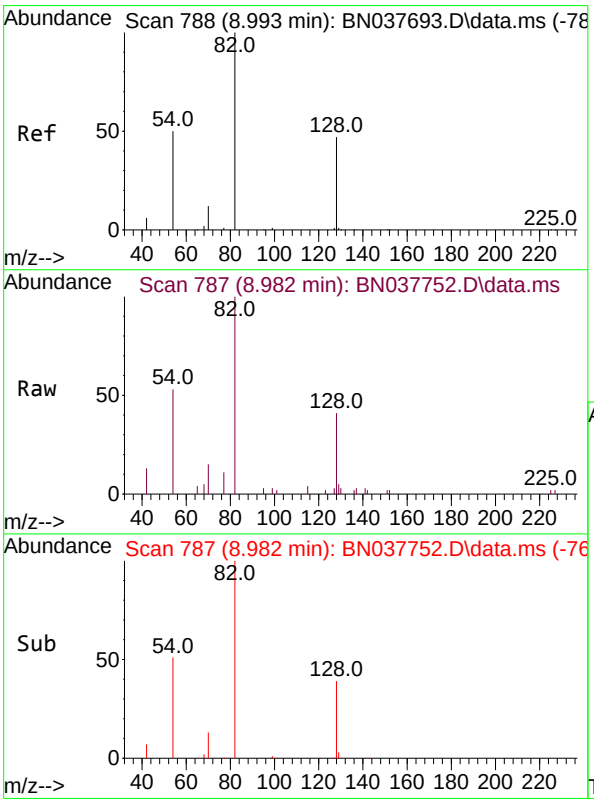
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.637 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037752.D
Acq: 17 Sep 2025 18:49

Instrument :
BNA_N
ClientSampleId :
MW179D2-20250909

Tgt Ion:136 Resp: 17530

Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.1	13.7
54	8.9	6.3	9.5
68	6.8	5.0	7.4

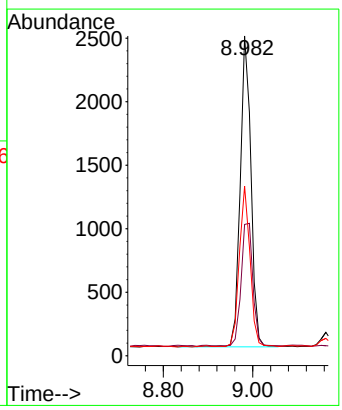


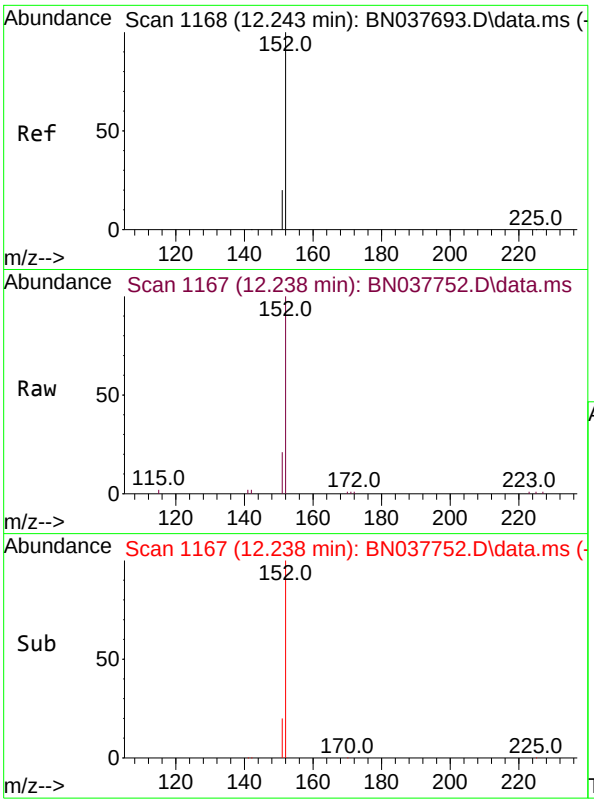


#8
Nitrobenzene-d5
Concen: 0.319 ng
RT: 8.982 min Scan# 787
Delta R.T. -0.011 min
Lab File: BN037752.D
Acq: 17 Sep 2025 18:49

Tgt Ion: 82 Resp: 4086

Ion	Ratio	Lower	Upper
82	100		
128	41.1	38.3	57.5
54	53.1	41.4	62.2



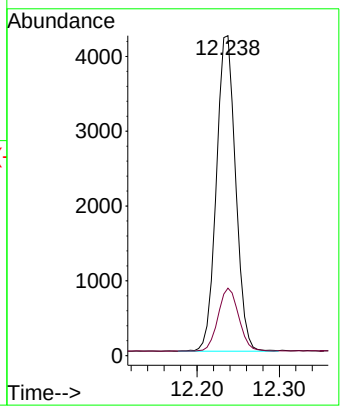


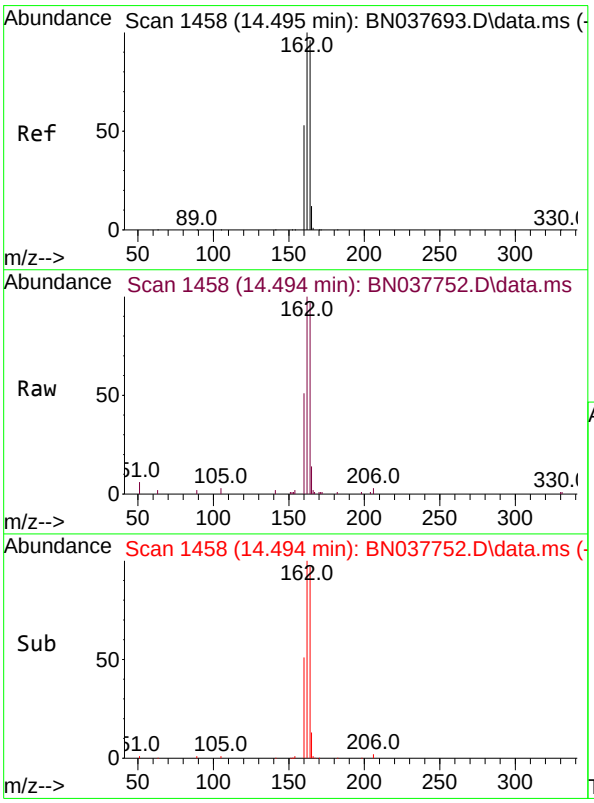
#11
2-Methylnaphthalene-d10
Concen: 0.295 ng
RT: 12.238 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN037752.D
Acq: 17 Sep 2025 18:49

Instrument :
BNA_N
ClientSampleId :
MW179D2-20250909

Tgt Ion:152 Resp: 6853

Ion	Ratio	Lower	Upper
152	100		
151	21.2	17.0	25.6

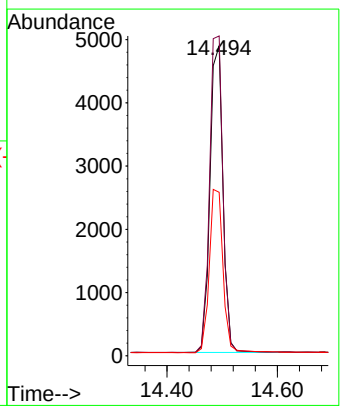


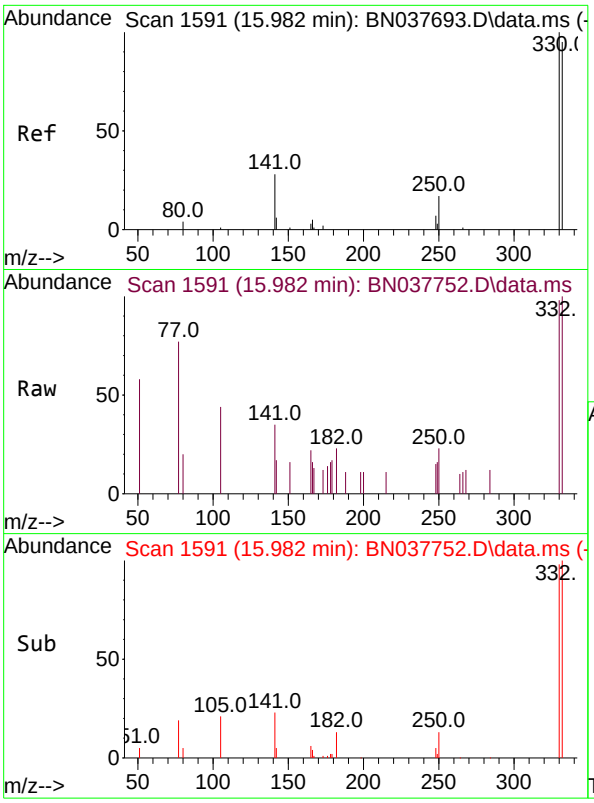


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.494 min Scan# 1458
Delta R.T. -0.000 min
Lab File: BN037752.D
Acq: 17 Sep 2025 18:49

Tgt Ion:164 Resp: 7934

Ion	Ratio	Lower	Upper
164	100		
162	103.2	83.1	124.7
160	52.8	44.3	66.5



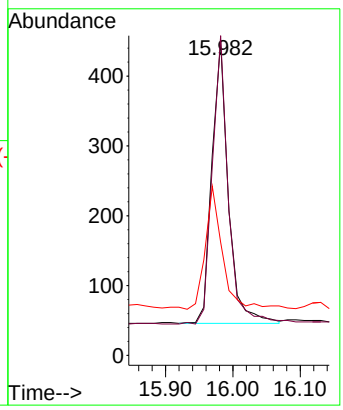


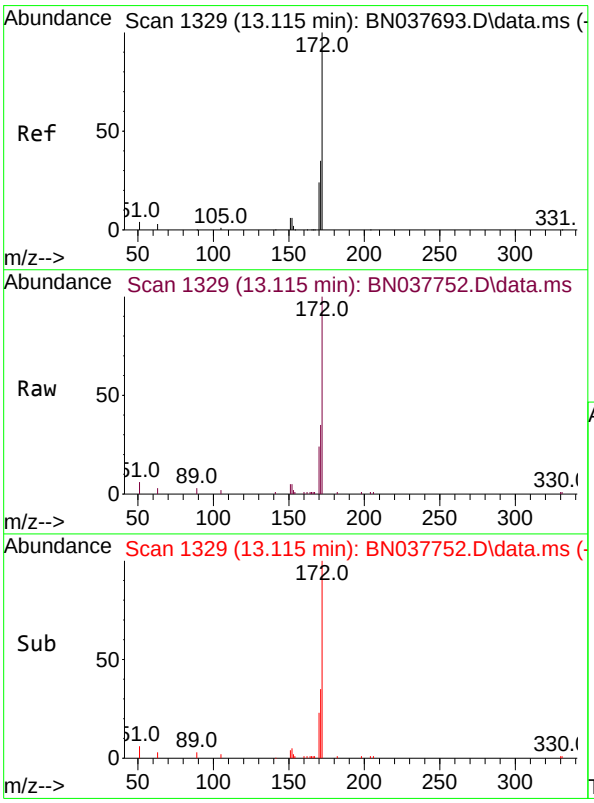
#14
2,4,6-Tribromophenol
Concen: 0.332 ng
RT: 15.982 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037752.D
Acq: 17 Sep 2025 18:49

Instrument :
BNA_N
ClientSampleId :
MW179D2-20250909

Tgt Ion:330 Resp: 686

Ion	Ratio	Lower	Upper
330	100		
332	100.1	75.3	112.9
141	46.5	35.0	52.4

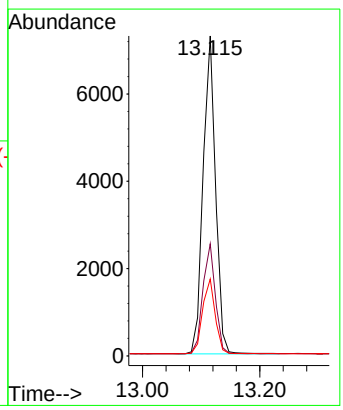


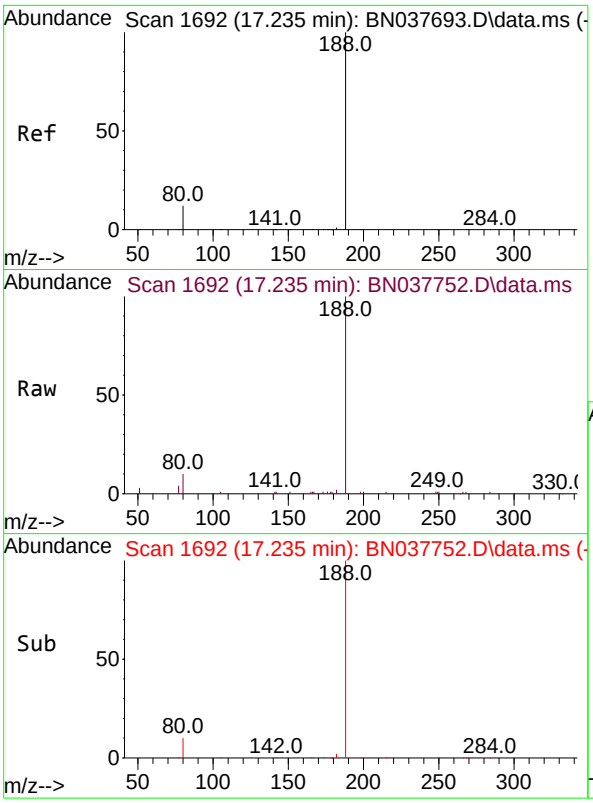


#15
2-Fluorobiphenyl
Concen: 0.322 ng
RT: 13.115 min Scan# 1329
Delta R.T. -0.000 min
Lab File: BN037752.D
Acq: 17 Sep 2025 18:49

Tgt Ion:172 Resp: 10696

Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.6	43.0
170	24.0	19.8	29.8



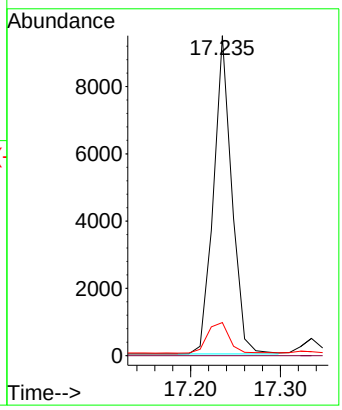


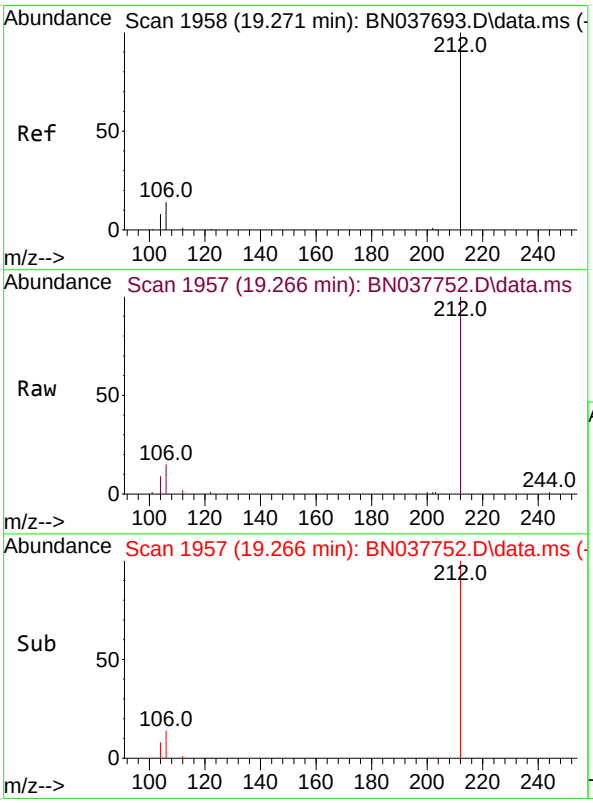
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.235 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037752.D
Acq: 17 Sep 2025 18:49

Instrument :
BNA_N
ClientSampleId :
MW179D2-20250909

Tgt Ion:188 Resp: 13430

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.3	10.6	15.8#

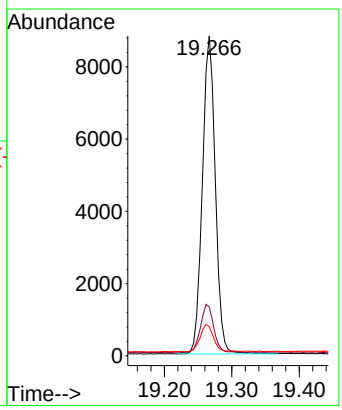


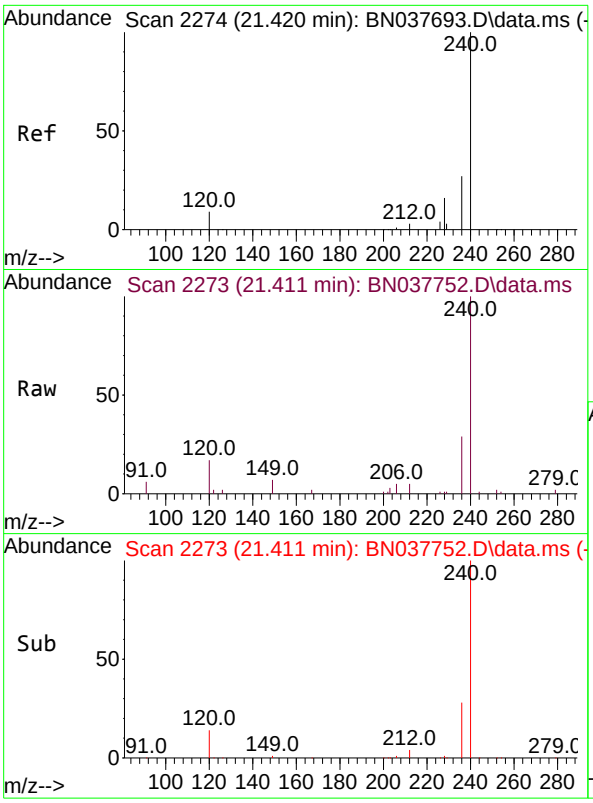


#27
Fluoranthene-d10
Concen: 0.348 ng
RT: 19.266 min Scan# 1957
Delta R.T. -0.005 min
Lab File: BN037752.D
Acq: 17 Sep 2025 18:49

Tgt Ion:212 Resp: 11725

Ion	Ratio	Lower	Upper
212	100		
106	15.4	12.2	18.2
104	8.8	6.9	10.3



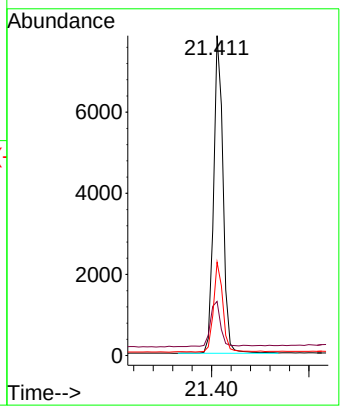


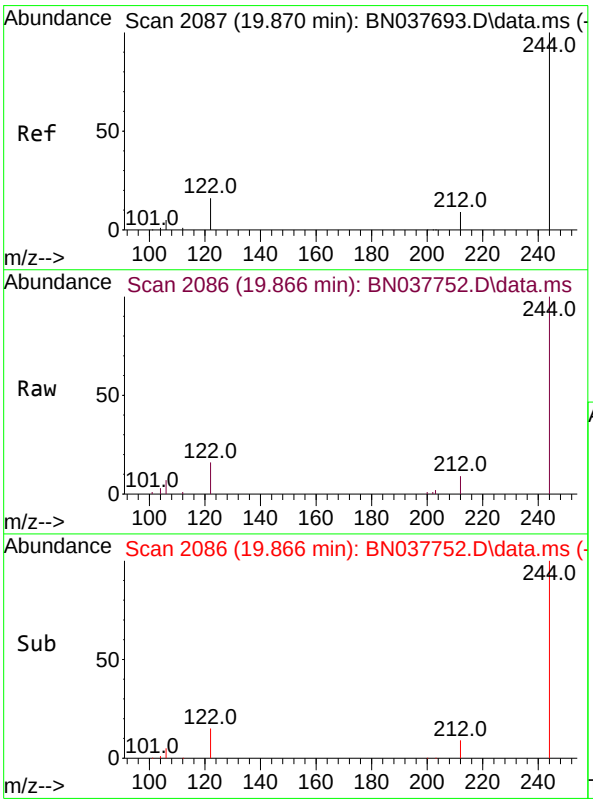
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.411 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN037752.D
Acq: 17 Sep 2025 18:49

Instrument :
BNA_N
ClientSampleId :
MW179D2-20250909

Tgt Ion:240 Resp: 10479

Ion	Ratio	Lower	Upper
240	100		
120	16.9	9.2	13.8#
236	29.2	22.6	33.8

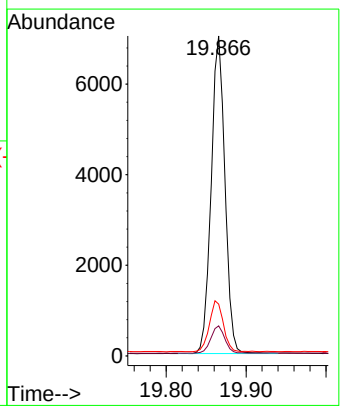


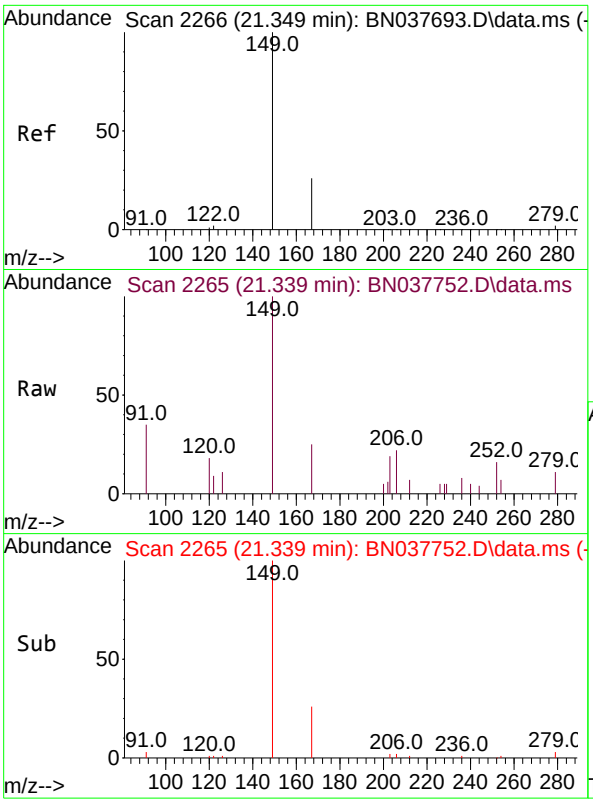


#31
Terphenyl-d14
Concen: 0.395 ng
RT: 19.866 min Scan# 2086
Delta R.T. -0.005 min
Lab File: BN037752.D
Acq: 17 Sep 2025 18:49

Tgt Ion:244 Resp: 8402

Ion	Ratio	Lower	Upper
244	100		
212	9.4	7.5	11.3
122	16.2	13.2	19.8



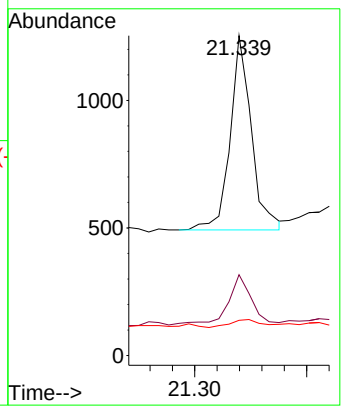


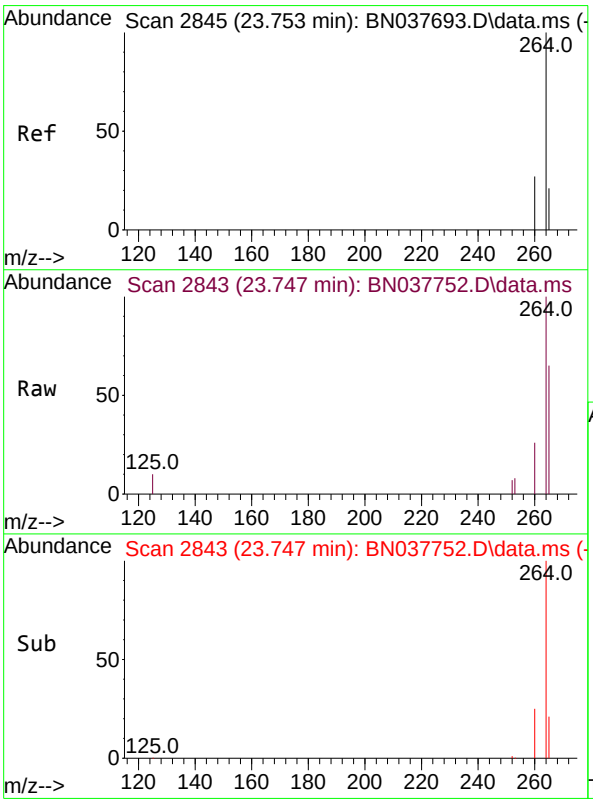
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.093 ng
RT: 21.339 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037752.D
Acq: 17 Sep 2025 18:49

Instrument :
BNA_N
ClientSampleId :
MW179D2-20250909

Tgt Ion:149 Resp: 1006

Ion	Ratio	Lower	Upper
149	100		
167	25.0	20.8	31.2
279	6.3	3.3	4.9#

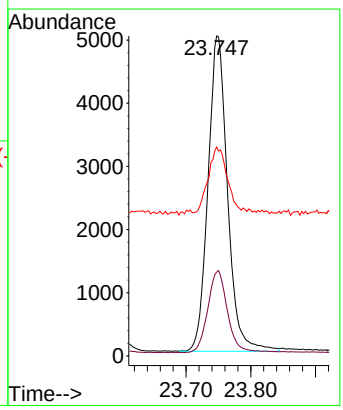




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.747 min Scan# 2843
Delta R.T. -0.006 min
Lab File: BN037752.D
Acq: 17 Sep 2025 18:49

Tgt Ion:264 Resp: 10489

Ion	Ratio	Lower	Upper
264	100		
260	26.2	21.8	32.8
265	65.3	39.4	59.2#



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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	MW201D1-20250909	SDG No.:	Q3095
Lab Sample ID:	Q3095-10	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
BN037753.D	1	09/15/25 10:15	09/17/25 19:25	PB169692

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.070	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	0.37		30 - 150		94%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.31		55 - 111		77%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.31		53 - 106		78%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.37		58 - 132		92%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6380	7.833				
1146-65-2	Naphthalene-d8	17000	10.637				
15067-26-2	Acenaphthene-d10	7750	14.484				
1517-22-2	Phenanthrene-d10	13900	17.235				
1719-03-5	Chrysene-d12	12600	21.411				
1520-96-3	Perylene-d12	12800	23.747				

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\BN091725\
Data File : BN037753.D
Acq On : 17 Sep 2025 19:25
Operator : RC/JU
Sample : Q3095-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW201D1-20250909

Quant Time: Sep 18 05:01:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

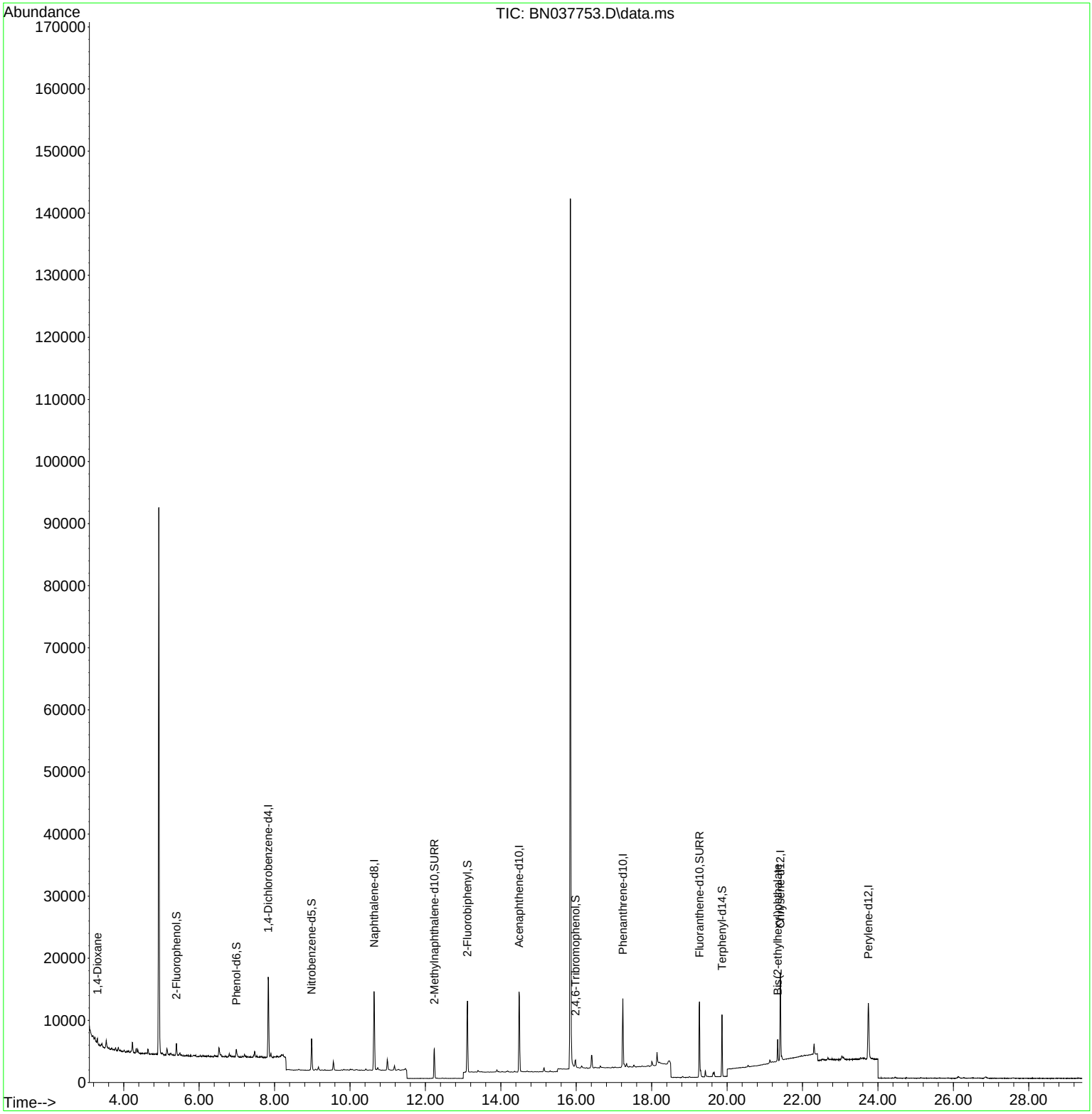
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.833	152	6375	0.400	ng	0.00
7) Naphthalene-d8	10.637	136	17020	0.400	ng	-0.01
13) Acenaphthene-d10	14.484	164	7746	0.400	ng	-0.01
19) Phenanthrene-d10	17.235	188	13901	0.400	ng	# 0.00
29) Chrysene-d12	21.411	240	12559	0.400	ng	# 0.00
35) Perylene-d12	23.747	264	12839	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.399	112	1556	0.106	ng	0.00
5) Phenol-d6	6.988	99	1116	0.059	ng	0.00
8) Nitrobenzene-d5	8.982	82	3852	0.309	ng	-0.01
11) 2-Methylnaphthalene-d10	12.238	152	6496	0.288	ng	0.00
14) 2,4,6-Tribromophenol	15.982	330	788	0.390	ng	0.00
15) 2-Fluorobiphenyl	13.115	172	10071	0.311	ng	0.00
27) Fluoranthene-d10	19.266	212	13047	0.374	ng	0.00
31) Terphenyl-d14	19.866	244	9418	0.369	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.304	88	493	0.074	ng	# 64
34) Bis(2-ethylhexyl)phtha...	21.340	149	3423	0.264	ng	100

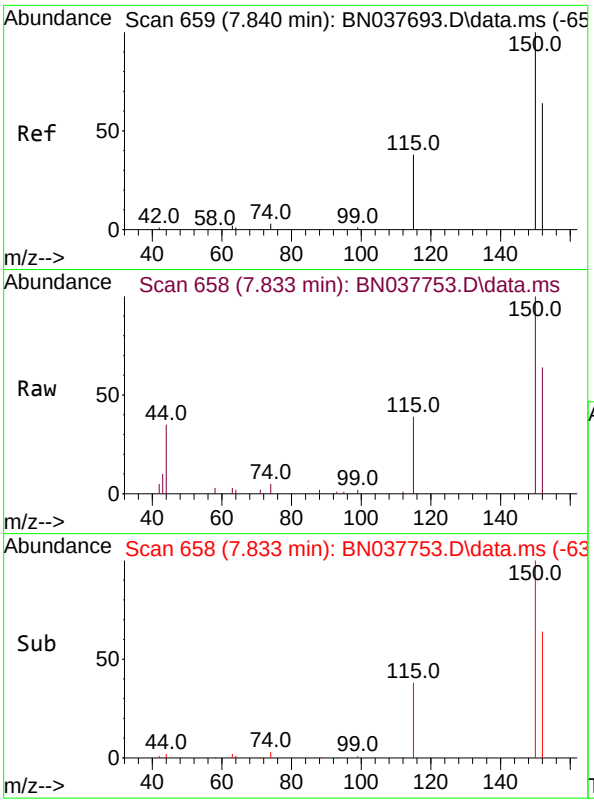
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091725\
Data File : BN037753.D
Acq On : 17 Sep 2025 19:25
Operator : RC/JU
Sample : Q3095-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW201D1-20250909

Quant Time: Sep 18 05:01:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration



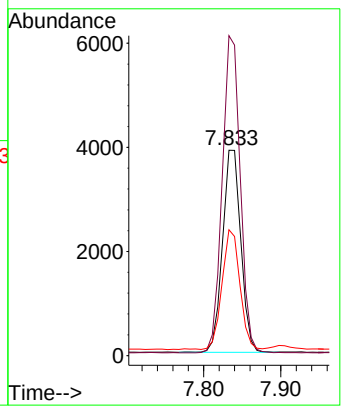


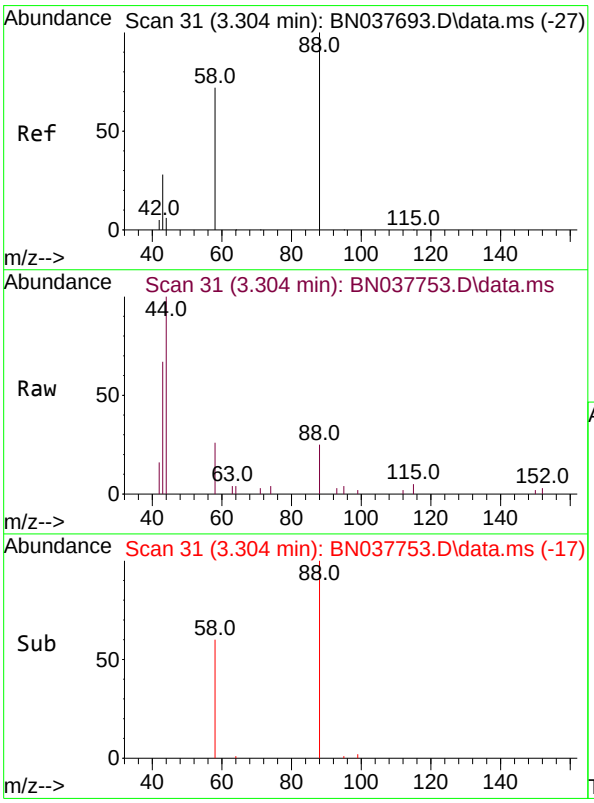
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.833 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN037753.D
Acq: 17 Sep 2025 19:25

Instrument :
BNA_N
ClientSampleId :
MW201D1-20250909

Tgt Ion:152 Resp: 6375

Ion	Ratio	Lower	Upper
152	100		
150	155.9	124.5	186.7
115	61.3	49.2	73.8

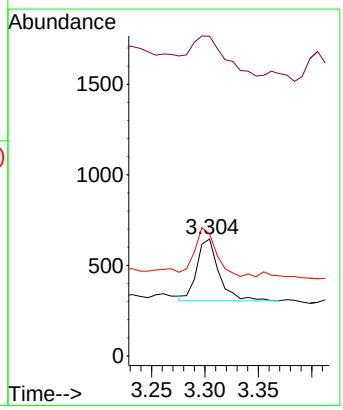


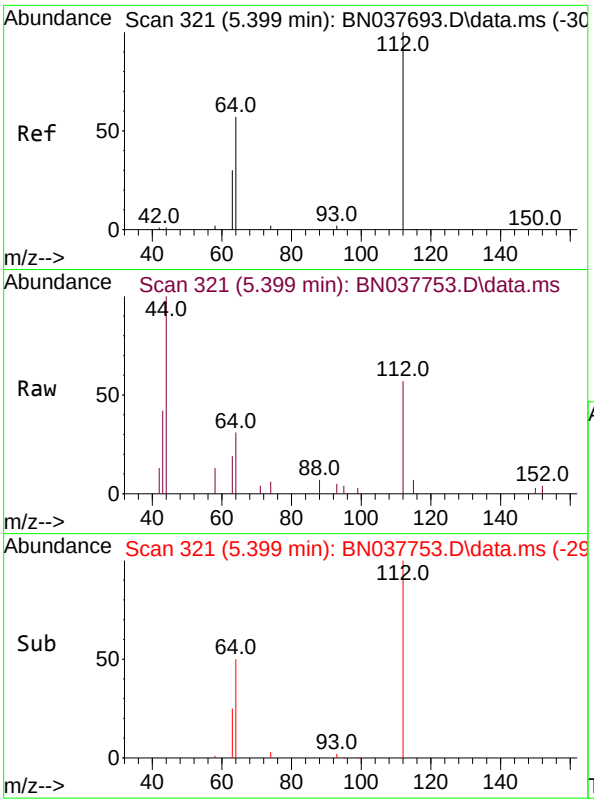


#2
1,4-Dioxane
Concen: 0.074 ng
RT: 3.304 min Scan# 31
Delta R.T. -0.000 min
Lab File: BN037753.D
Acq: 17 Sep 2025 19:25

Tgt Ion: 88 Resp: 493

Ion	Ratio	Lower	Upper
88	100		
43	98.2	26.8	40.2#
58	75.1	61.9	92.9



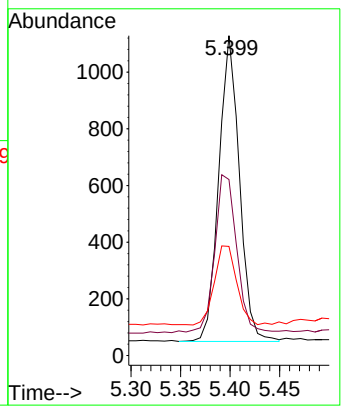


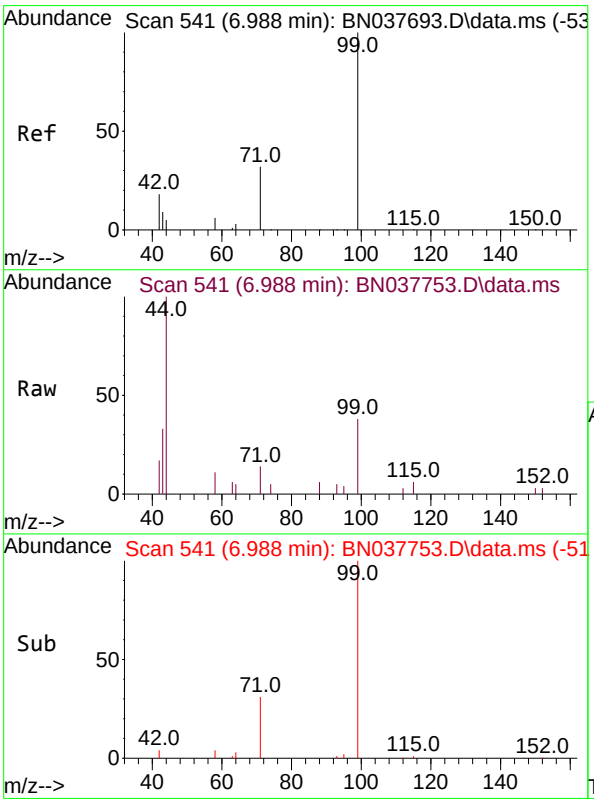
#4
2-Fluorophenol
Concen: 0.106 ng
RT: 5.399 min Scan# 3
Delta R.T. -0.000 min
Lab File: BN037753.D
Acq: 17 Sep 2025 19:25

Instrument :
BNA_N
ClientSampleId :
MW201D1-20250909

Tgt Ion:112 Resp: 1556

Ion	Ratio	Lower	Upper
112	100		
64	55.1	44.9	67.3
63	27.9	24.7	37.1

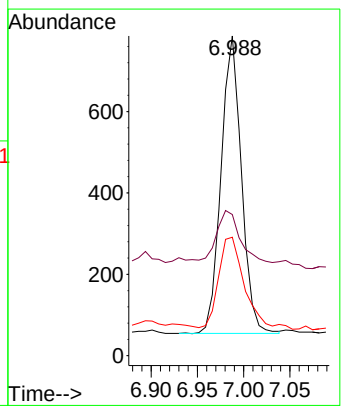


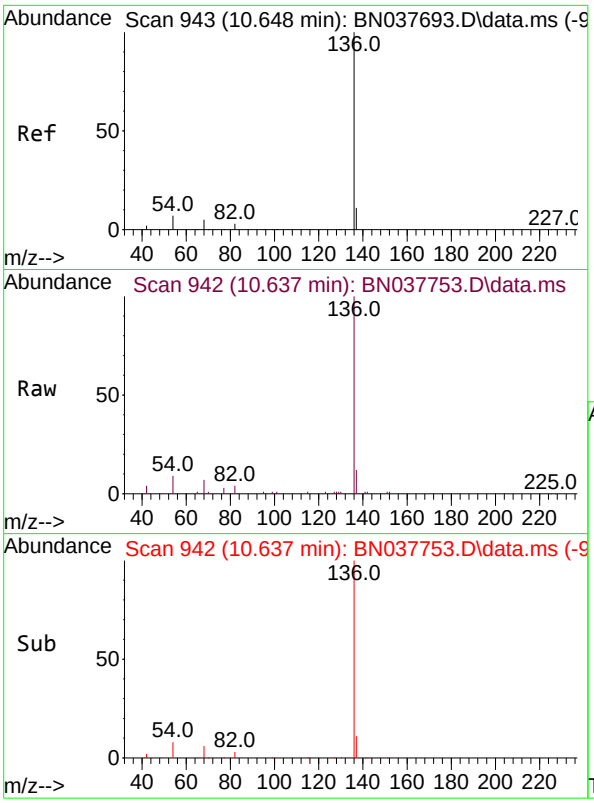


#5
Phenol-d6
Concen: 0.059 ng
RT: 6.988 min Scan# 541
Delta R.T. -0.000 min
Lab File: BN037753.D
Acq: 17 Sep 2025 19:25

Tgt Ion: 99 Resp: 1116

Ion	Ratio	Lower	Upper
99	100		
42	19.7	16.6	24.8
71	39.9	26.7	40.1



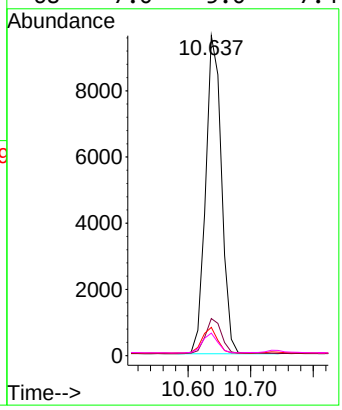


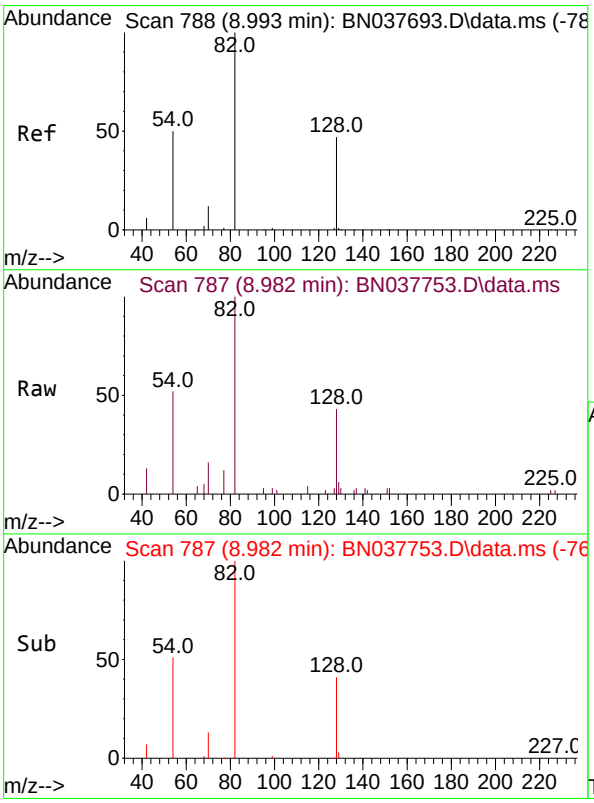
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.637 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037753.D
Acq: 17 Sep 2025 19:25

Instrument :
BNA_N
ClientSampleId :
MW201D1-20250909

Tgt Ion:136 Resp: 17020

Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.1	13.7
54	8.8	6.3	9.5
68	7.0	5.0	7.4

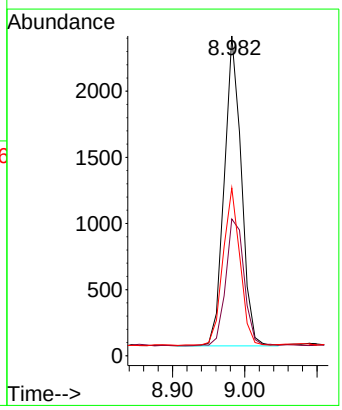


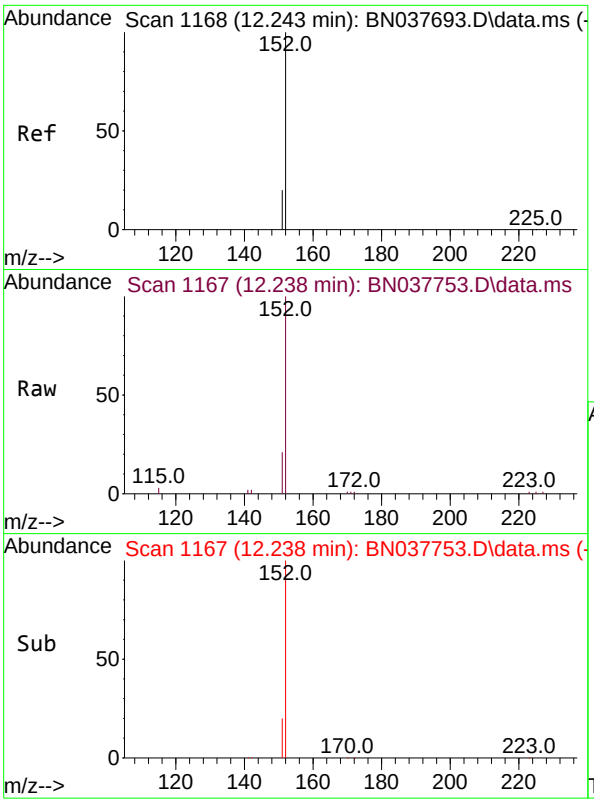


#8
Nitrobenzene-d5
Concen: 0.309 ng
RT: 8.982 min Scan# 787
Delta R.T. -0.011 min
Lab File: BN037753.D
Acq: 17 Sep 2025 19:25

Tgt Ion: 82 Resp: 3852

Ion	Ratio	Lower	Upper
82	100		
128	42.8	38.3	57.5
54	52.5	41.4	62.2



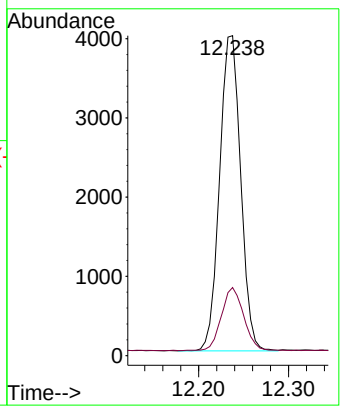


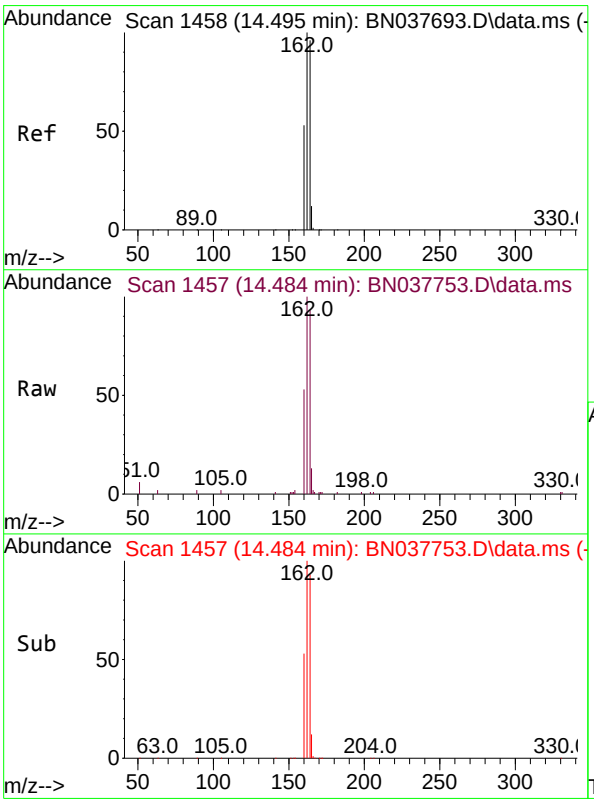
#11
2-Methylnaphthalene-d10
Concen: 0.288 ng
RT: 12.238 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN037753.D
Acq: 17 Sep 2025 19:25

Instrument :
BNA_N
ClientSampleId :
MW201D1-20250909

Tgt Ion:152 Resp: 6496

Ion	Ratio	Lower	Upper
152	100		
151	21.2	17.0	25.6

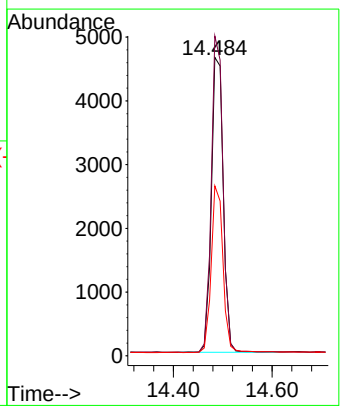


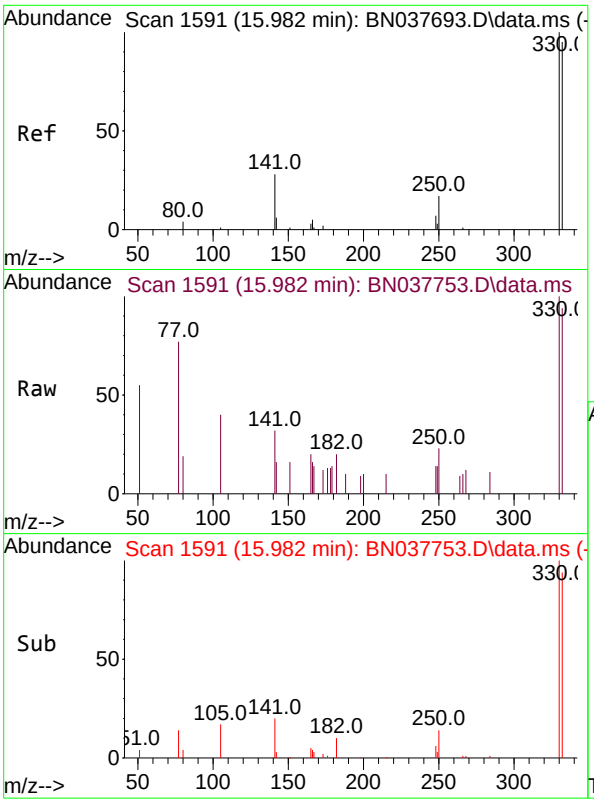


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.484 min Scan# 1457
Delta R.T. -0.011 min
Lab File: BN037753.D
Acq: 17 Sep 2025 19:25

Tgt Ion:164 Resp: 7746

Ion	Ratio	Lower	Upper
164	100		
162	107.2	83.1	124.7
160	57.0	44.3	66.5



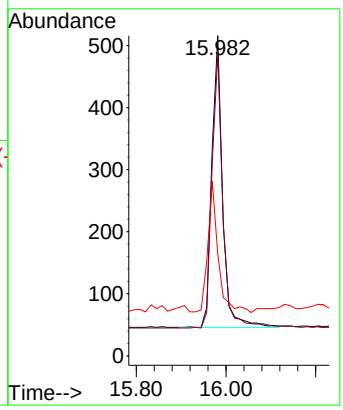


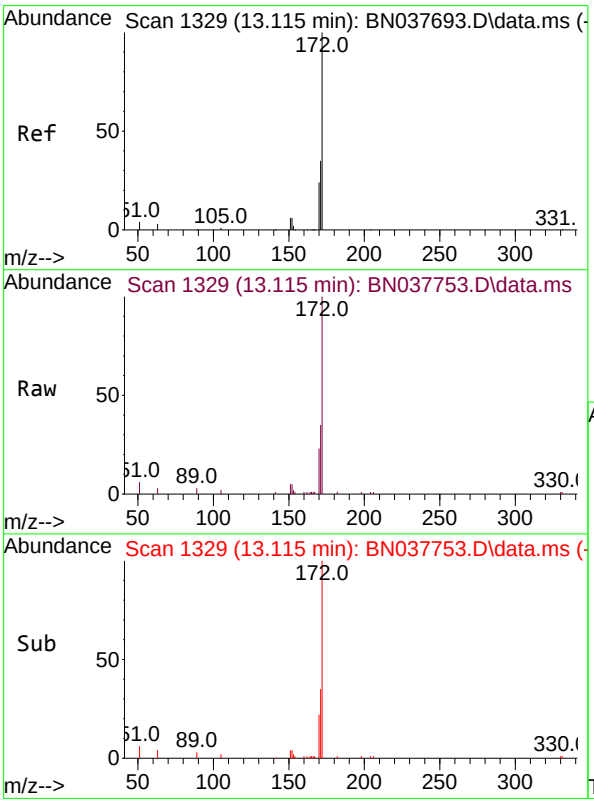
#14
2,4,6-Tribromophenol
Concen: 0.390 ng
RT: 15.982 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037753.D
Acq: 17 Sep 2025 19:25

Instrument :
BNA_N
ClientSampleId :
MW201D1-20250909

Tgt Ion:330 Resp: 788

Ion	Ratio	Lower	Upper
330	100		
332	94.8	75.3	112.9
141	42.8	35.0	52.4

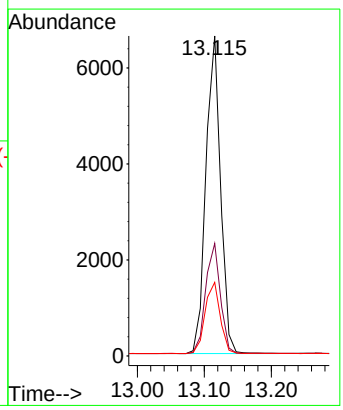


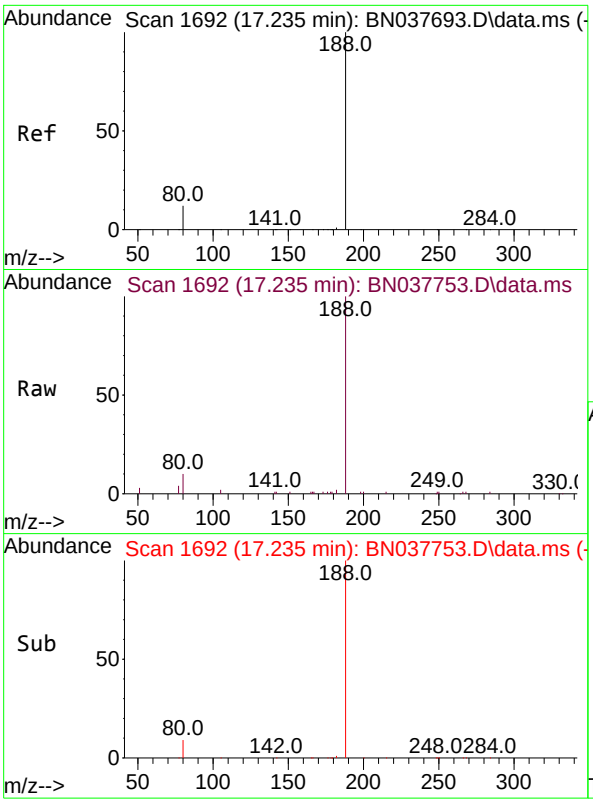


#15
2-Fluorobiphenyl
Concen: 0.311 ng
RT: 13.115 min Scan# 1329
Delta R.T. -0.000 min
Lab File: BN037753.D
Acq: 17 Sep 2025 19:25

Tgt Ion:172 Resp: 10071

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.6	43.0
170	23.0	19.8	29.8



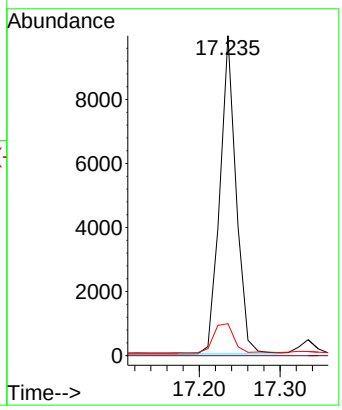


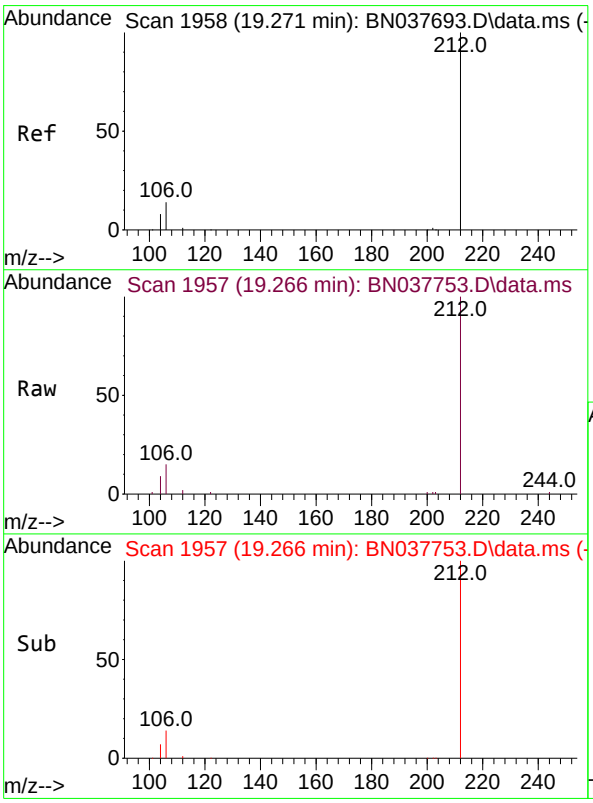
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.235 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037753.D
Acq: 17 Sep 2025 19:25

Instrument :
BNA_N
ClientSampleId :
MW201D1-20250909

Tgt Ion:188 Resp: 13901

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.0	10.6	15.8#

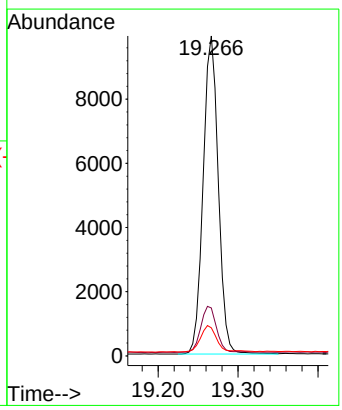


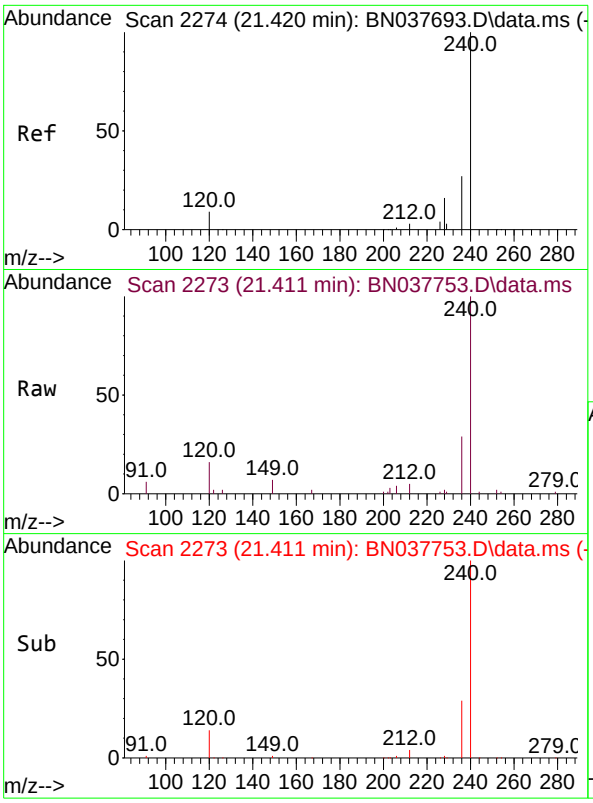


#27
Fluoranthene-d10
Concen: 0.374 ng
RT: 19.266 min Scan# 1957
Delta R.T. -0.005 min
Lab File: BN037753.D
Acq: 17 Sep 2025 19:25

Tgt Ion:212 Resp: 13047

Ion	Ratio	Lower	Upper
212	100		
106	15.3	12.2	18.2
104	8.5	6.9	10.3



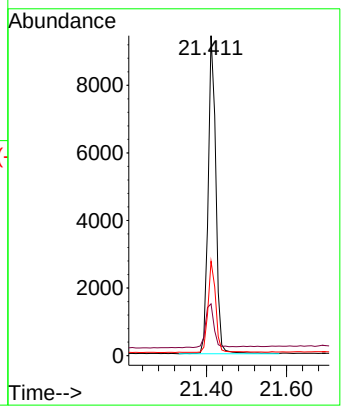


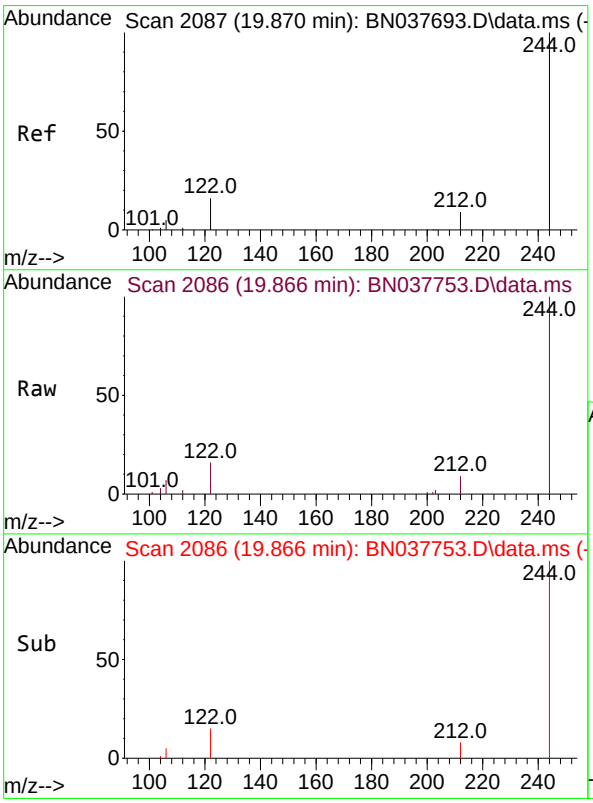
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.411 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN037753.D
Acq: 17 Sep 2025 19:25

Instrument :
BNA_N
ClientSampleId :
MW201D1-20250909

Tgt Ion:240 Resp: 12559

Ion	Ratio	Lower	Upper
240	100		
120	16.2	9.2	13.8#
236	29.5	22.6	33.8

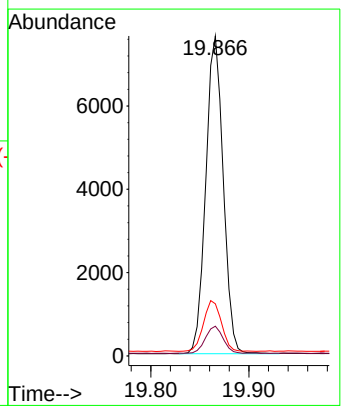


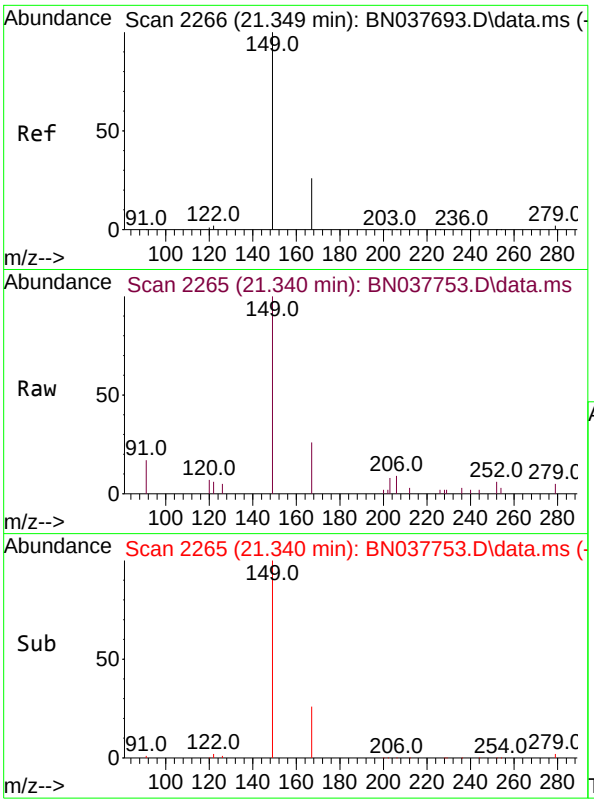


#31
Terphenyl-d14
Concen: 0.369 ng
RT: 19.866 min Scan# 2086
Delta R.T. -0.005 min
Lab File: BN037753.D
Acq: 17 Sep 2025 19:25

Tgt Ion:244 Resp: 9418

Ion	Ratio	Lower	Upper
244	100		
212	9.3	7.5	11.3
122	16.3	13.2	19.8



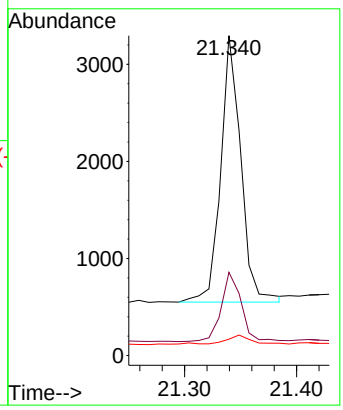


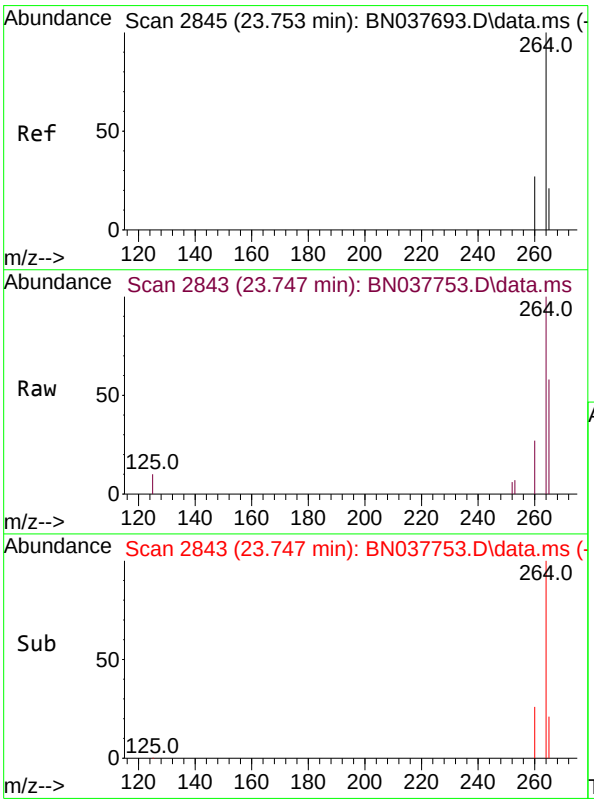
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.264 ng
RT: 21.340 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037753.D
Acq: 17 Sep 2025 19:25

Instrument :
BNA_N
ClientSampleId :
MW201D1-20250909

Tgt Ion:149 Resp: 3423

Ion	Ratio	Lower	Upper
149	100		
167	26.1	20.8	31.2
279	3.8	3.3	4.9

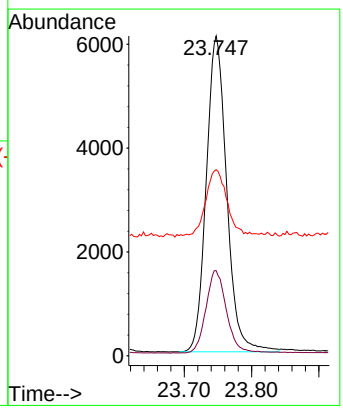




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.747 min Scan# 2843
Delta R.T. -0.006 min
Lab File: BN037753.D
Acq: 17 Sep 2025 19:25

Tgt Ion:264 Resp: 12839

Ion	Ratio	Lower	Upper
264	100		
260	26.6	21.8	32.8
265	58.2	39.4	59.2



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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	RE122D1-20250909	SDG No.:	Q3095
Lab Sample ID:	Q3095-11	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
BN037754.D	1	09/15/25 10:15	09/17/25 20:01	PB169692

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	2.80		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	0.37		30 - 150		93%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.36		55 - 111		90%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.35		53 - 106		87%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.46		58 - 132		116%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6750	7.833				
1146-65-2	Naphthalene-d8	18500	10.637				
15067-26-2	Acenaphthene-d10	8720	14.494				
1517-22-2	Phenanthrene-d10	14500	17.235				
1719-03-5	Chrysene-d12	10800	21.411				
1520-96-3	Perylene-d12	10800	23.75				

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\BN091725\
Data File : BN037754.D
Acq On : 17 Sep 2025 20:01
Operator : RC/JU
Sample : Q3095-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE122D1-20250909

Quant Time: Sep 18 05:01:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

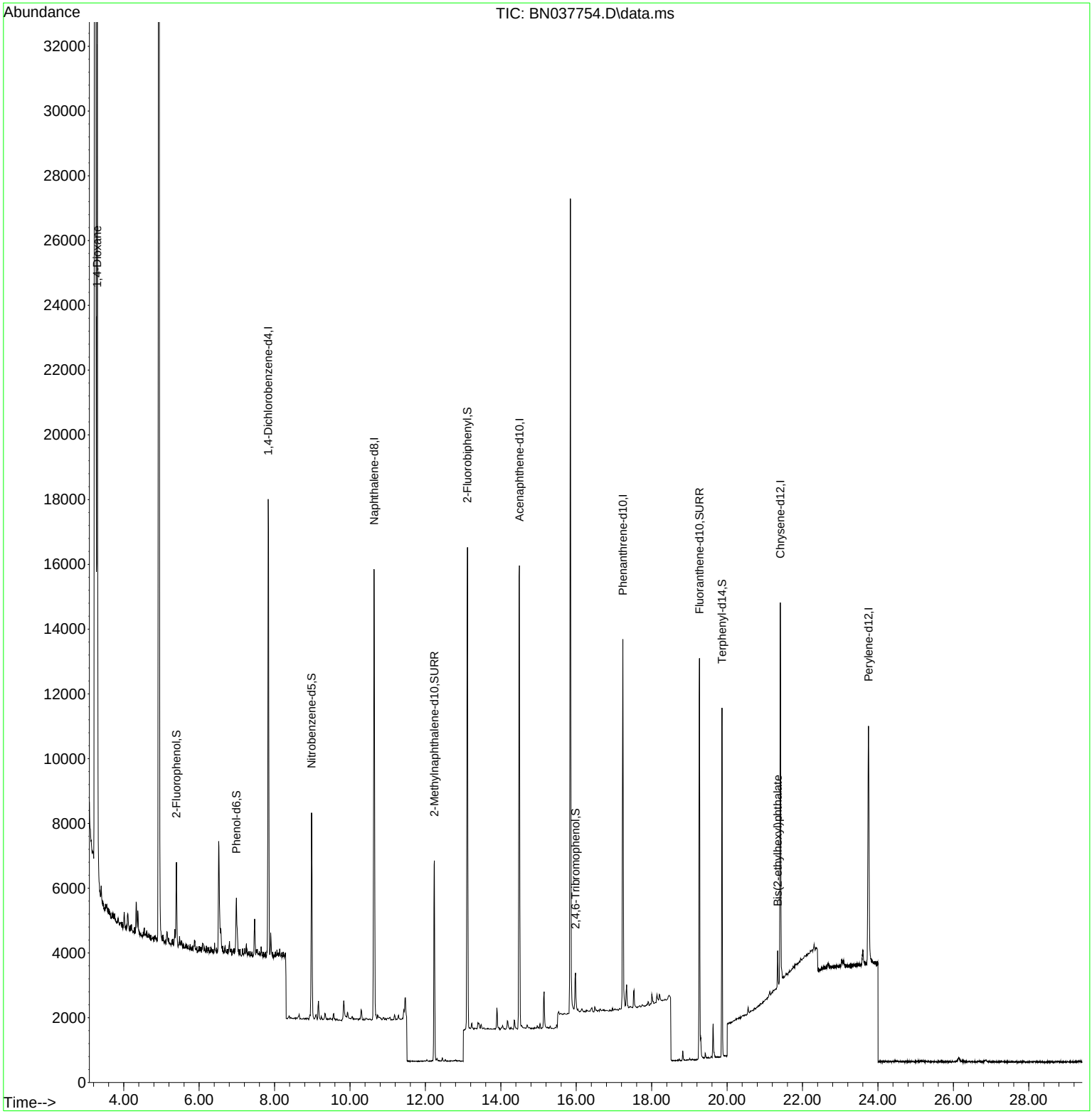
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.833	152	6754	0.400	ng	0.00
7) Naphthalene-d8	10.637	136	18549	0.400	ng	-0.01
13) Acenaphthene-d10	14.494	164	8723	0.400	ng	0.00
19) Phenanthrene-d10	17.235	188	14502	0.400	ng	# 0.00
29) Chrysene-d12	21.411	240	10754	0.400	ng	# 0.00
35) Perylene-d12	23.750	264	10771	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.399	112	2035	0.131	ng	0.00
5) Phenol-d6	6.988	99	1494	0.074	ng	0.00
8) Nitrobenzene-d5	8.982	82	4878	0.360	ng	-0.01
11) 2-Methylnaphthalene-d10	12.238	152	8309	0.338	ng	0.00
14) 2,4,6-Tribromophenol	15.982	330	798	0.351	ng	0.00
15) 2-Fluorobiphenyl	13.115	172	12743	0.349	ng	0.00
27) Fluoranthene-d10	19.266	212	13539	0.372	ng	0.00
31) Terphenyl-d14	19.866	244	10113	0.463	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.297	88	19862	2.823	ng	94
34) Bis(2-ethylhexyl)phtha...	21.340	149	1128	0.101	ng	# 97

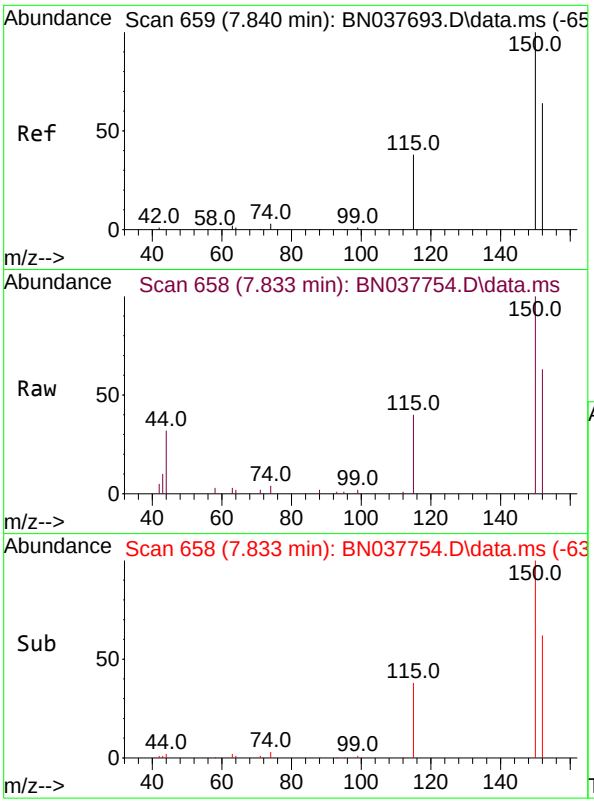
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091725\
Data File : BN037754.D
Acq On : 17 Sep 2025 20:01
Operator : RC/JU
Sample : Q3095-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE122D1-20250909

Quant Time: Sep 18 05:01:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration



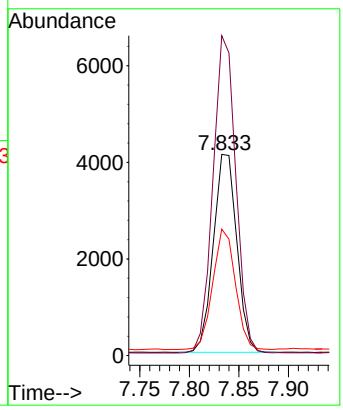


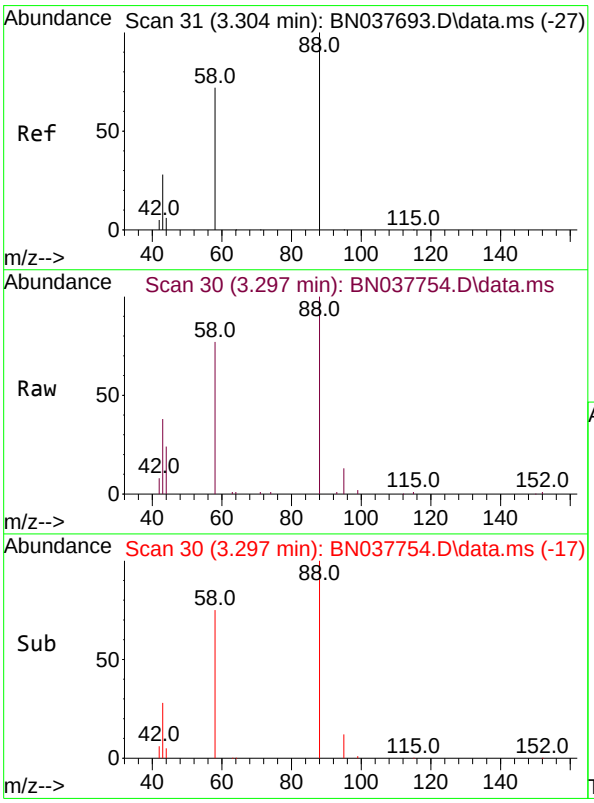
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.833 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN037754.D
Acq: 17 Sep 2025 20:01

Instrument :
BNA_N
ClientSampleId :
RE122D1-20250909

Tgt Ion:152 Resp: 6754

Ion	Ratio	Lower	Upper
152	100		
150	159.0	124.5	186.7
115	62.8	49.2	73.8

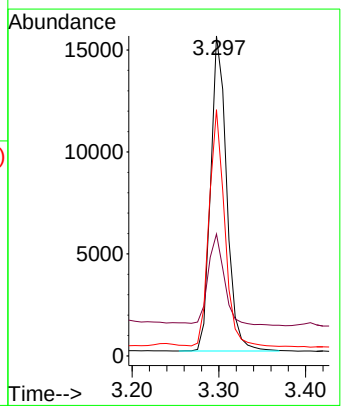


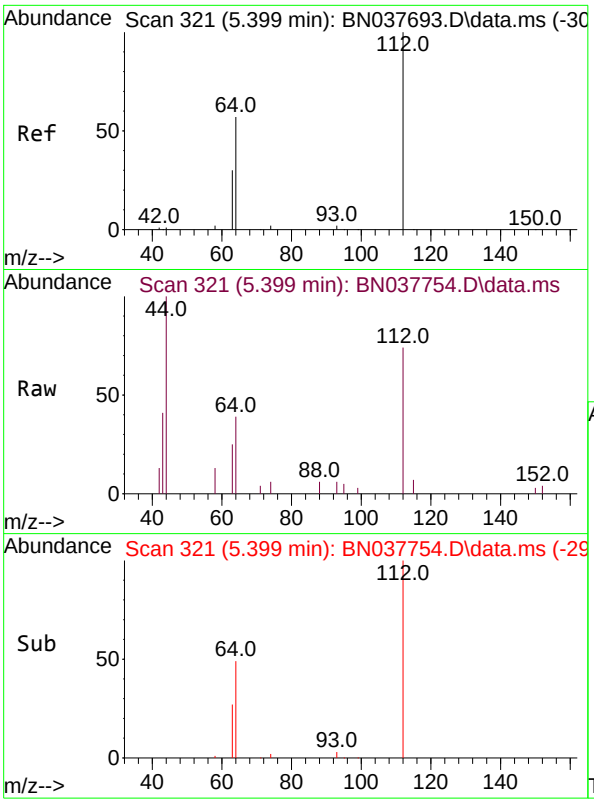


#2
1,4-Dioxane
Concen: 2.823 ng
RT: 3.297 min Scan# 30
Delta R.T. -0.007 min
Lab File: BN037754.D
Acq: 17 Sep 2025 20:01

Tgt Ion: 88 Resp: 19862

Ion	Ratio	Lower	Upper
88	100		
43	29.1	26.8	40.2
58	72.8	61.9	92.9



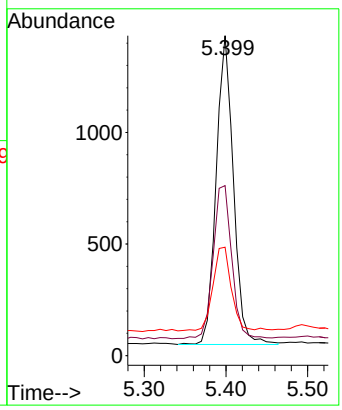


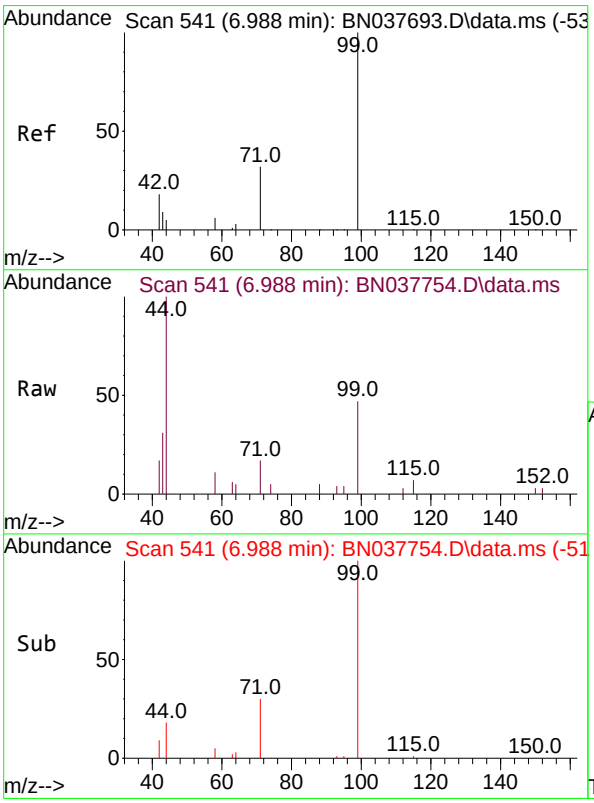
#4
2-Fluorophenol
Concen: 0.131 ng
RT: 5.399 min Scan# 3
Delta R.T. -0.000 min
Lab File: BN037754.D
Acq: 17 Sep 2025 20:01

Instrument :
BNA_N
ClientSampleId :
RE122D1-20250909

Tgt Ion:112 Resp: 2035

Ion	Ratio	Lower	Upper
112	100		
64	53.4	44.9	67.3
63	29.5	24.7	37.1

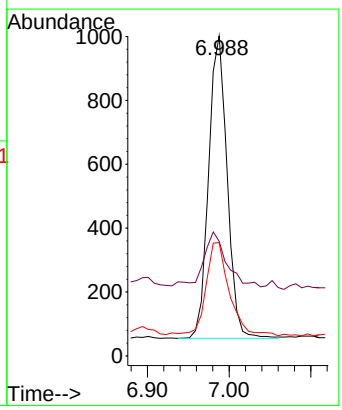


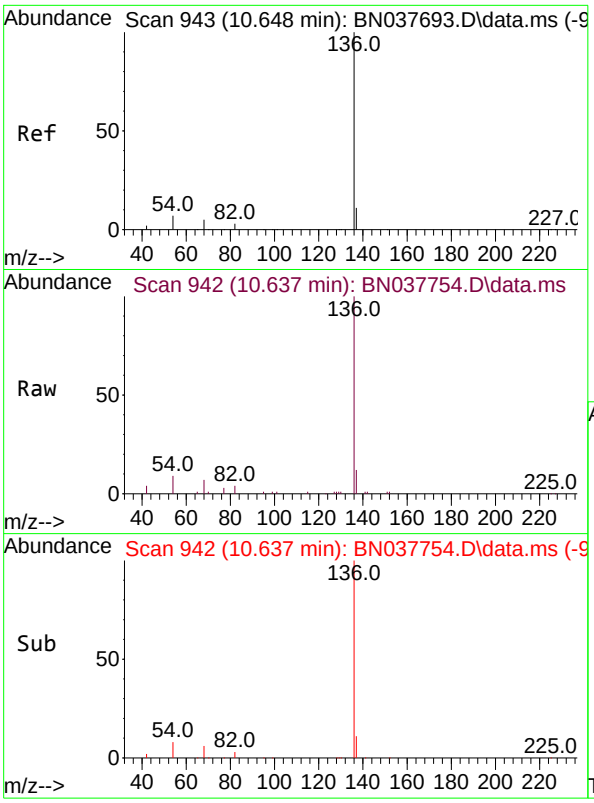


#5
Phenol-d6
Concen: 0.074 ng
RT: 6.988 min Scan# 541
Delta R.T. -0.000 min
Lab File: BN037754.D
Acq: 17 Sep 2025 20:01

Tgt Ion: 99 Resp: 1494

Ion	Ratio	Lower	Upper
99	100		
42	23.1	16.6	24.8
71	39.6	26.7	40.1



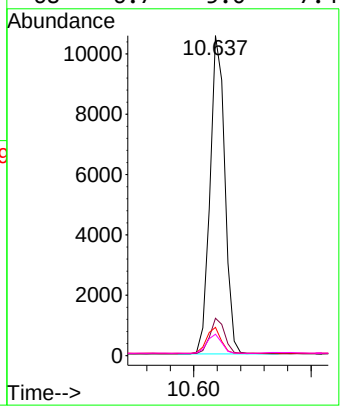


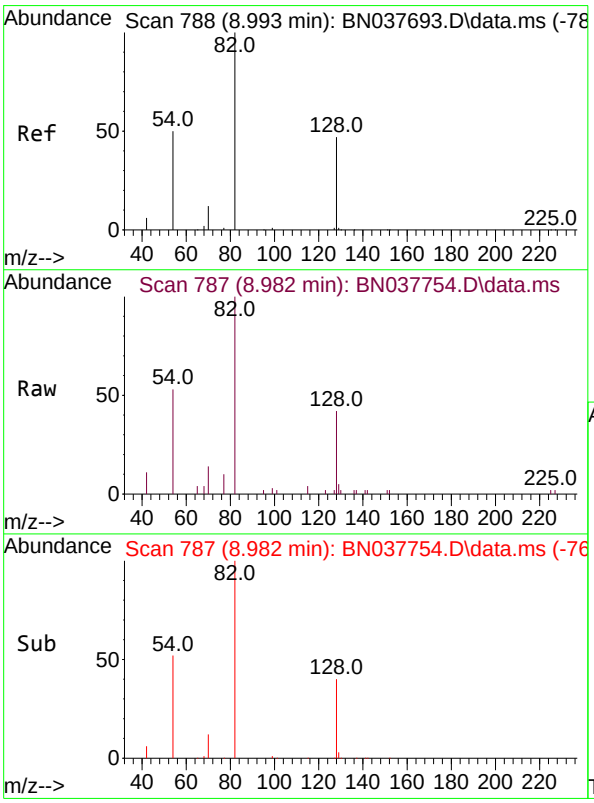
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.637 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037754.D
Acq: 17 Sep 2025 20:01

Instrument :
BNA_N
ClientSampleId :
RE122D1-20250909

Tgt Ion:136 Resp: 18549

Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.1	13.7
54	8.8	6.3	9.5
68	6.7	5.0	7.4

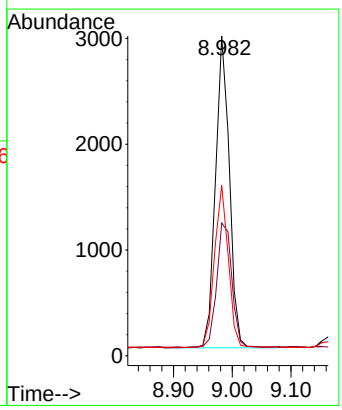


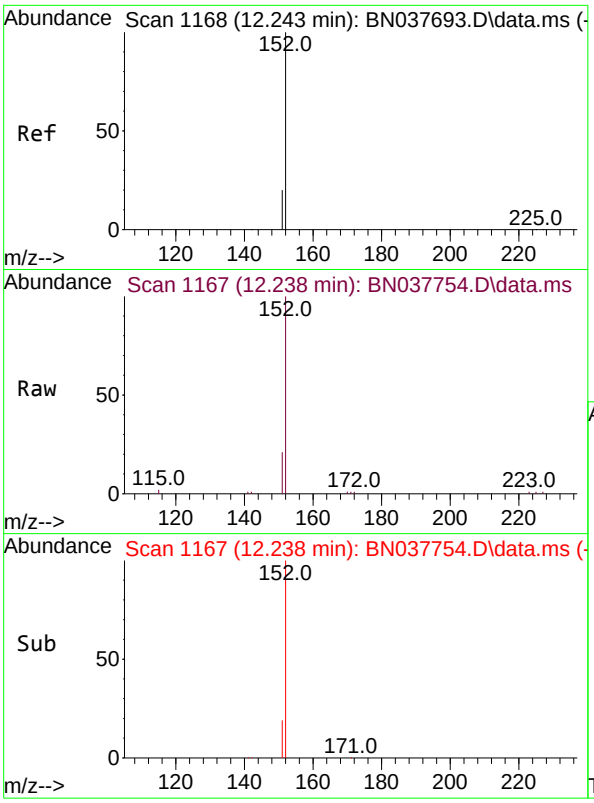


#8
Nitrobenzene-d5
Concen: 0.360 ng
RT: 8.982 min Scan# 787
Delta R.T. -0.011 min
Lab File: BN037754.D
Acq: 17 Sep 2025 20:01

Tgt Ion: 82 Resp: 4878

Ion	Ratio	Lower	Upper
82	100		
128	41.5	38.3	57.5
54	53.3	41.4	62.2



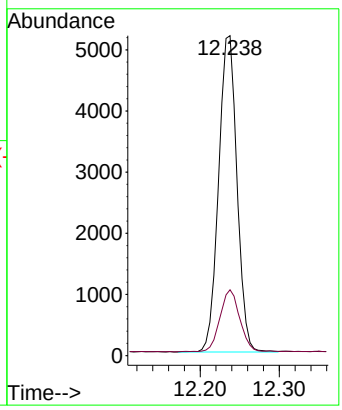


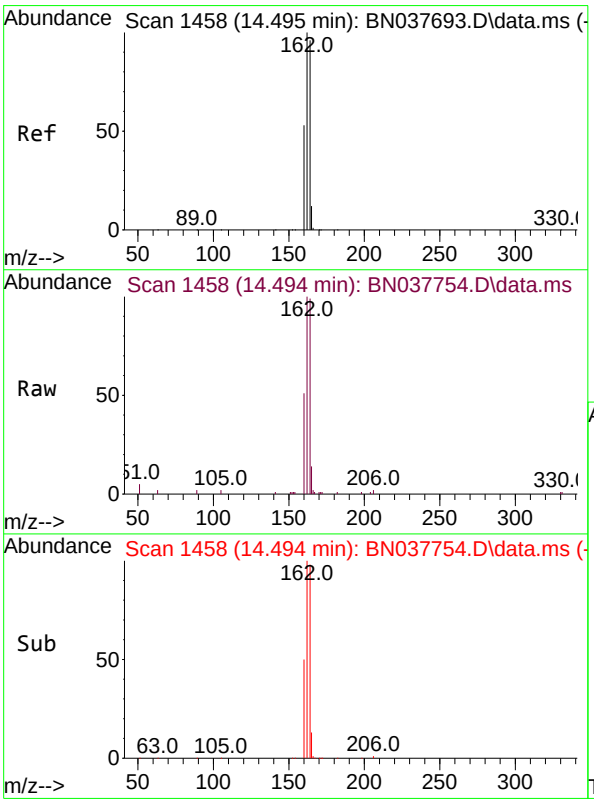
#11
2-Methylnaphthalene-d10
Concen: 0.338 ng
RT: 12.238 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN037754.D
Acq: 17 Sep 2025 20:01

Instrument :
BNA_N
ClientSampleId :
RE122D1-20250909

Tgt Ion:152 Resp: 8309

Ion	Ratio	Lower	Upper
152	100		
151	20.9	17.0	25.6

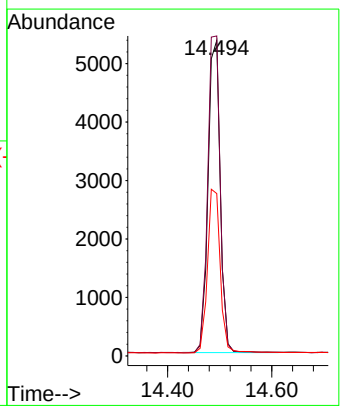


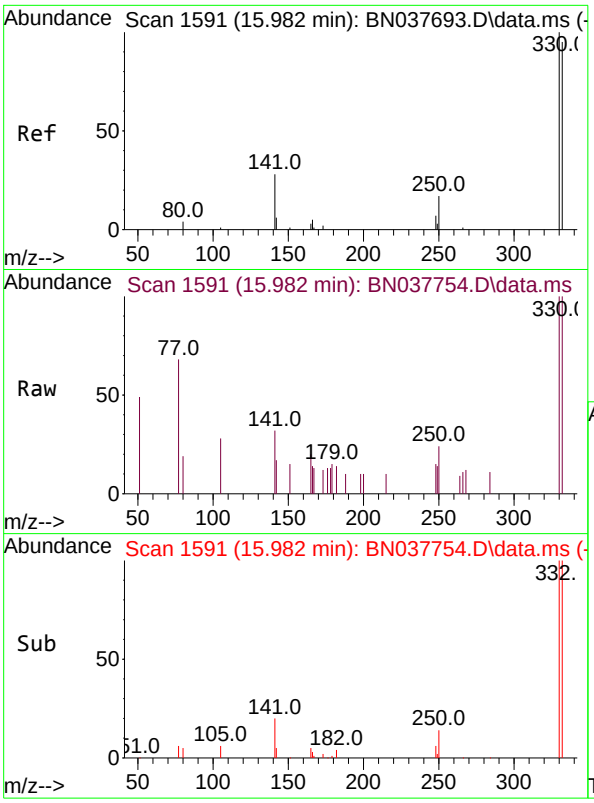


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.494 min Scan# 1458
Delta R.T. -0.000 min
Lab File: BN037754.D
Acq: 17 Sep 2025 20:01

Tgt Ion:164 Resp: 8723

Ion	Ratio	Lower	Upper
164	100		
162	101.5	83.1	124.7
160	51.5	44.3	66.5



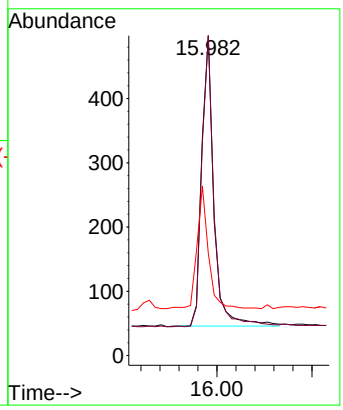


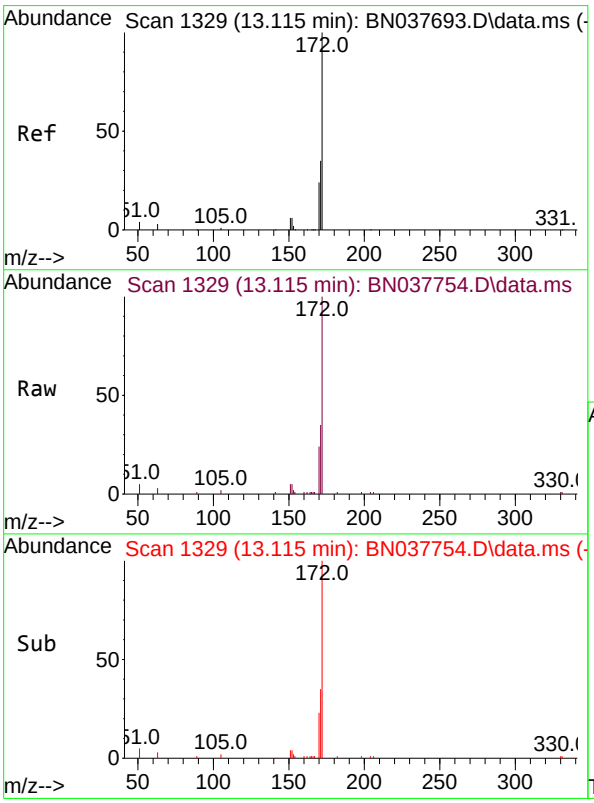
#14
2,4,6-Tribromophenol
Concen: 0.351 ng
RT: 15.982 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037754.D
Acq: 17 Sep 2025 20:01

Instrument :
BNA_N
ClientSampleId :
RE122D1-20250909

Tgt Ion:330 Resp: 798

Ion	Ratio	Lower	Upper
330	100		
332	100.0	75.3	112.9
141	40.6	35.0	52.4

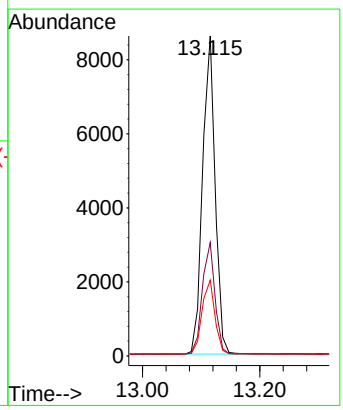


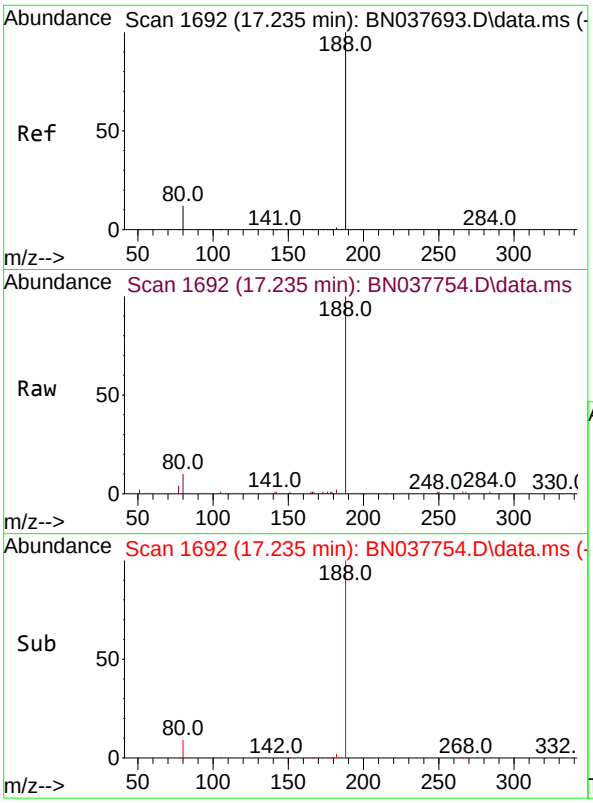


#15
2-Fluorobiphenyl
Concen: 0.349 ng
RT: 13.115 min Scan# 1329
Delta R.T. -0.000 min
Lab File: BN037754.D
Acq: 17 Sep 2025 20:01

Tgt Ion:172 Resp: 12743

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.6	43.0
170	23.7	19.8	29.8



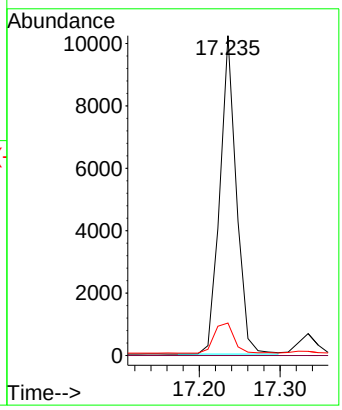


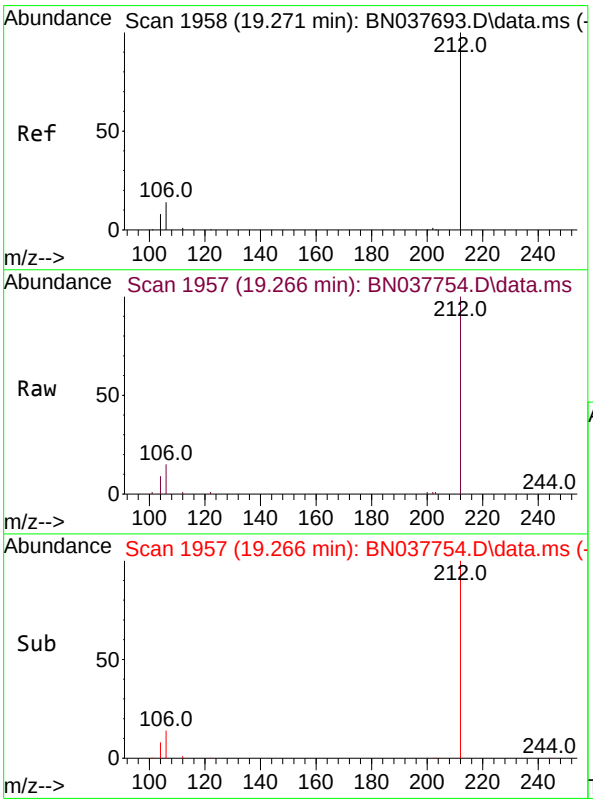
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.235 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037754.D
Acq: 17 Sep 2025 20:01

Instrument :
BNA_N
ClientSampleId :
RE122D1-20250909

Tgt Ion:188 Resp: 14502

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.2	10.6	15.8#

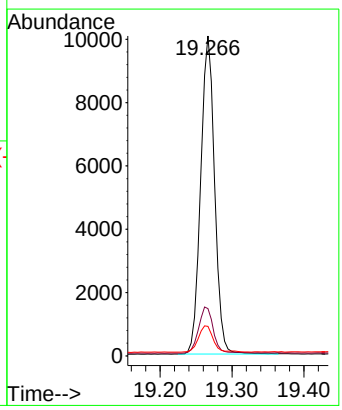


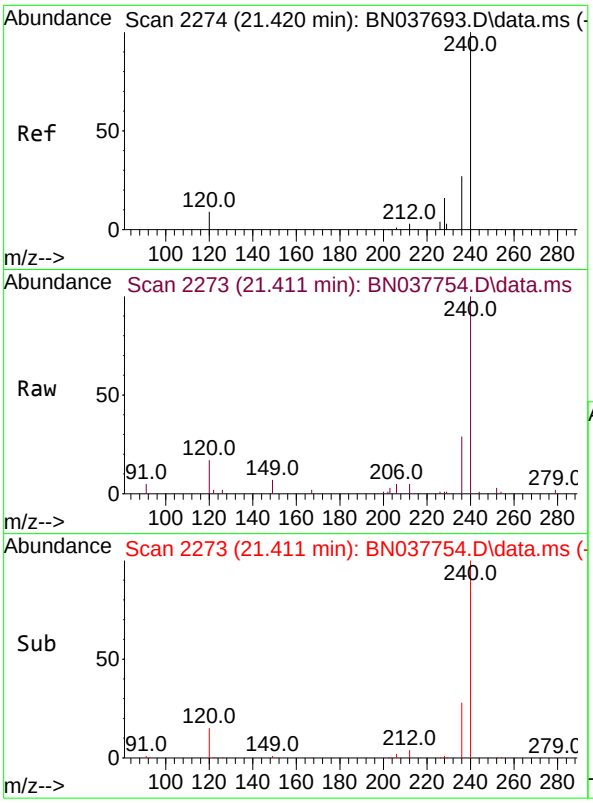


#27
Fluoranthene-d10
Concen: 0.372 ng
RT: 19.266 min Scan# 1957
Delta R.T. -0.005 min
Lab File: BN037754.D
Acq: 17 Sep 2025 20:01

Tgt Ion:212 Resp: 13539

Ion	Ratio	Lower	Upper
212	100		
106	15.2	12.2	18.2
104	8.6	6.9	10.3



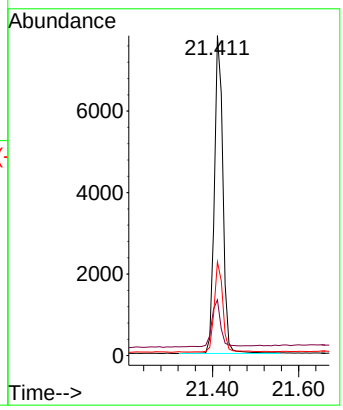


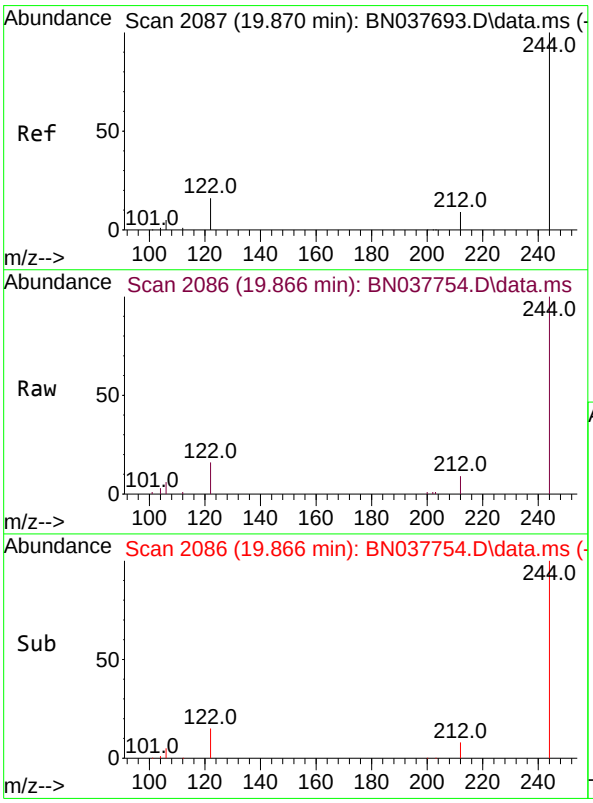
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.411 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN037754.D
Acq: 17 Sep 2025 20:01

Instrument :
BNA_N
ClientSampleId :
RE122D1-20250909

Tgt Ion:240 Resp: 10754

Ion	Ratio	Lower	Upper
240	100		
120	17.4	9.2	13.8#
236	29.3	22.6	33.8

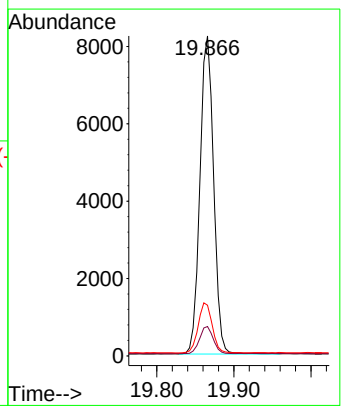


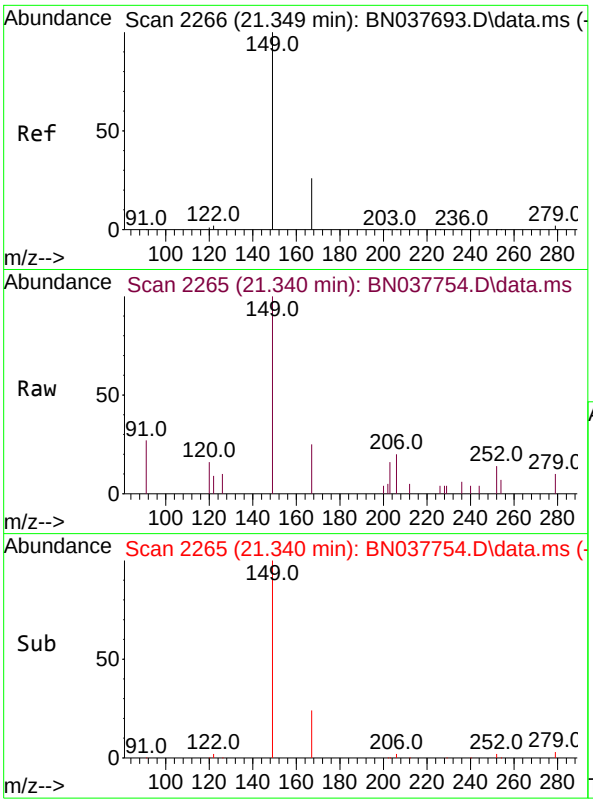


#31
Terphenyl-d14
Concen: 0.463 ng
RT: 19.866 min Scan# 2086
Delta R.T. -0.005 min
Lab File: BN037754.D
Acq: 17 Sep 2025 20:01

Tgt Ion:244 Resp: 10113

Ion	Ratio	Lower	Upper
244	100		
212	9.2	7.5	11.3
122	15.8	13.2	19.8



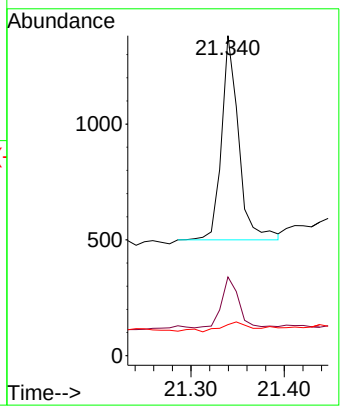


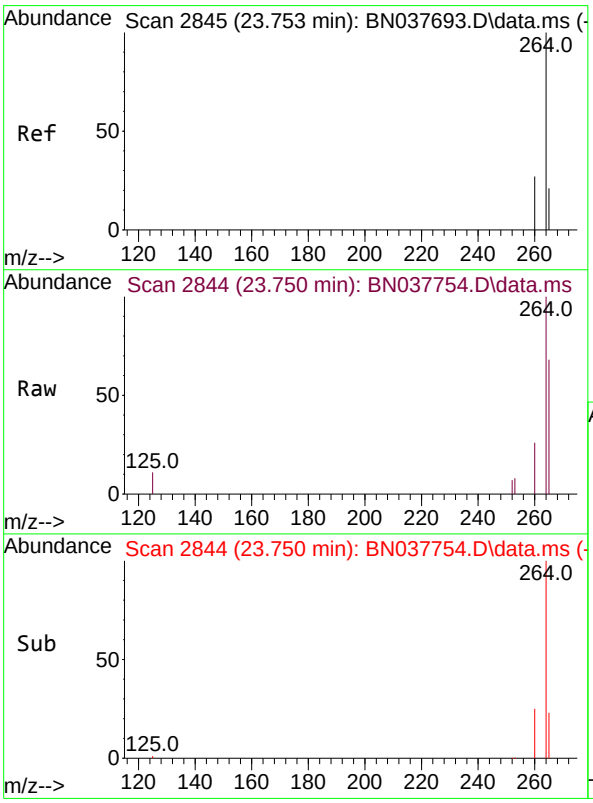
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.101 ng
RT: 21.340 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037754.D
Acq: 17 Sep 2025 20:01

Instrument :
BNA_N
ClientSampleId :
RE122D1-20250909

Tgt Ion:149 Resp: 1128

Ion	Ratio	Lower	Upper
149	100		
167	25.4	20.8	31.2
279	7.7	3.3	4.9#

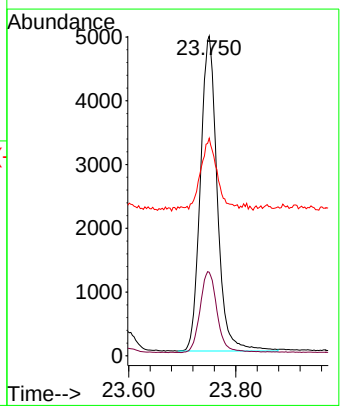




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.750 min Scan# 2844
Delta R.T. -0.003 min
Lab File: BN037754.D
Acq: 17 Sep 2025 20:01

Tgt Ion:264 Resp: 10771

Ion	Ratio	Lower	Upper
264	100		
260	26.1	21.8	32.8
265	68.0	39.4	59.2#



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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	MW202D-20250909	SDG No.:	Q3095
Lab Sample ID:	Q3095-12	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
BN037761.D	1	09/15/25 10:15	09/18/25 03:58	PB169692

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	0.31		30 - 150		77%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.38		30 - 150		94%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.34		55 - 111		84%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.35		53 - 106		87%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.40		58 - 132		100%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7230	7.833				
1146-65-2	Naphthalene-d8	19400	10.637				
15067-26-2	Acenaphthene-d10	8610	14.484				
1517-22-2	Phenanthrene-d10	15400	17.235				
1719-03-5	Chrysene-d12	12900	21.411				
1520-96-3	Perylene-d12	13100	23.741				

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\BN091725\
Data File : BN037761.D
Acq On : 18 Sep 2025 03:58
Operator : RC/JU
Sample : Q3095-12
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW202D-20250909

Quant Time: Sep 18 05:28:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

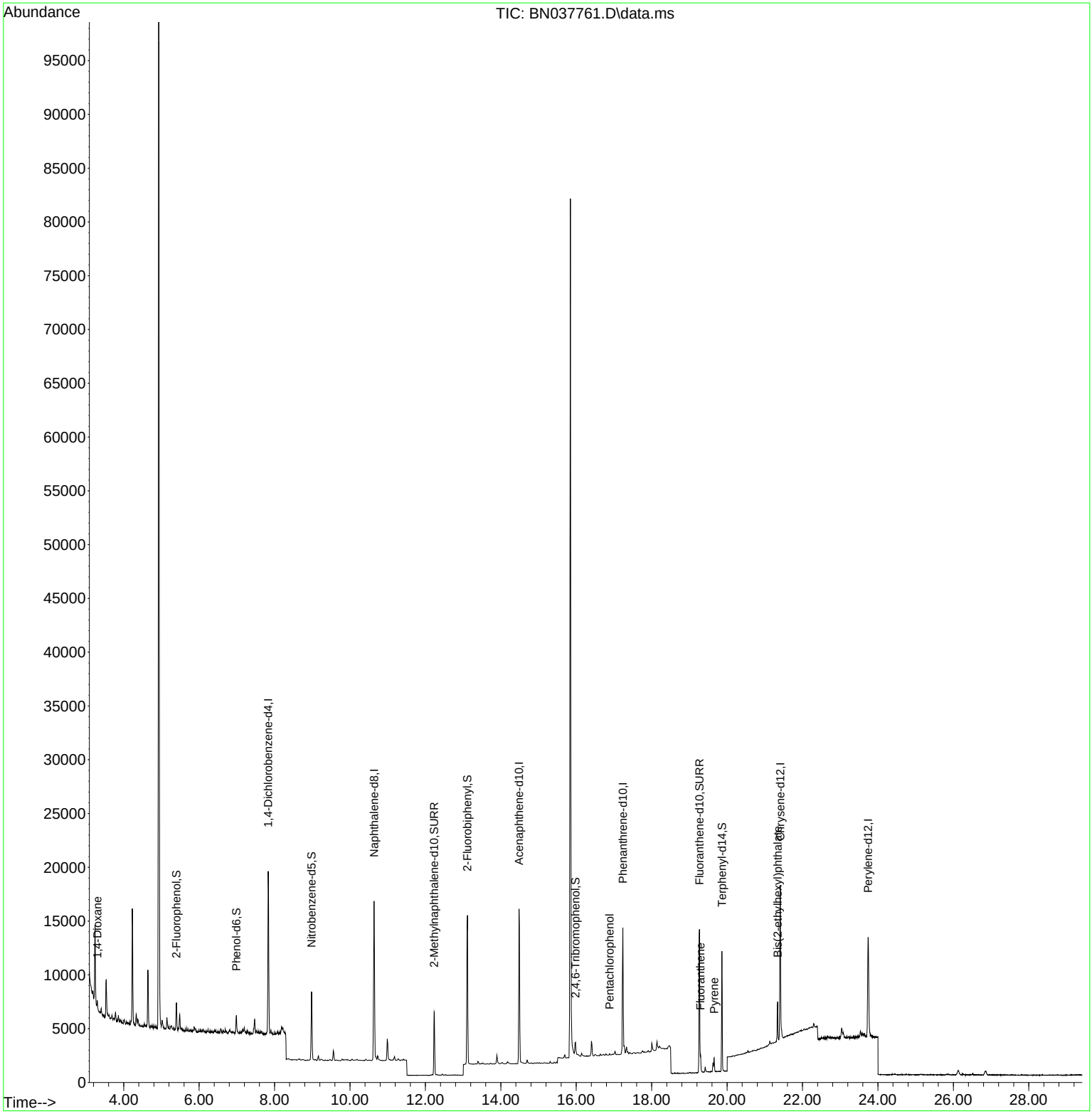
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.833	152	7232	0.400	ng	0.00
7) Naphthalene-d8	10.637	136	19420	0.400	ng	-0.01
13) Acenaphthene-d10	14.484	164	8613	0.400	ng	-0.01
19) Phenanthrene-d10	17.235	188	15444	0.400	ng	# 0.00
29) Chrysene-d12	21.411	240	12865	0.400	ng	0.00
35) Perylene-d12	23.741	264	13080	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.399	112	2030	0.122	ng	0.00
5) Phenol-d6	6.988	99	1452	0.067	ng	0.00
8) Nitrobenzene-d5	8.982	82	4795	0.338	ng	-0.01
11) 2-Methylnaphthalene-d10	12.232	152	7932	0.308	ng	-0.01
14) 2,4,6-Tribromophenol	15.982	330	820	0.365	ng	0.00
15) 2-Fluorobiphenyl	13.115	172	12551	0.348	ng	0.00
27) Fluoranthene-d10	19.266	212	14609	0.377	ng	0.00
31) Terphenyl-d14	19.861	244	10464	0.401	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.304	88	413	0.055	ng	# 82
24) Pentachlorophenol	16.888	266	127	0.038	ng	# 83
28) Fluoranthene	19.294	202	1128	0.021	ng	# 81
30) Pyrene	19.657	202	1175	0.023	ng	# 94
34) Bis(2-ethylhexyl)phtha...	21.339	149	3713	0.279	ng	99

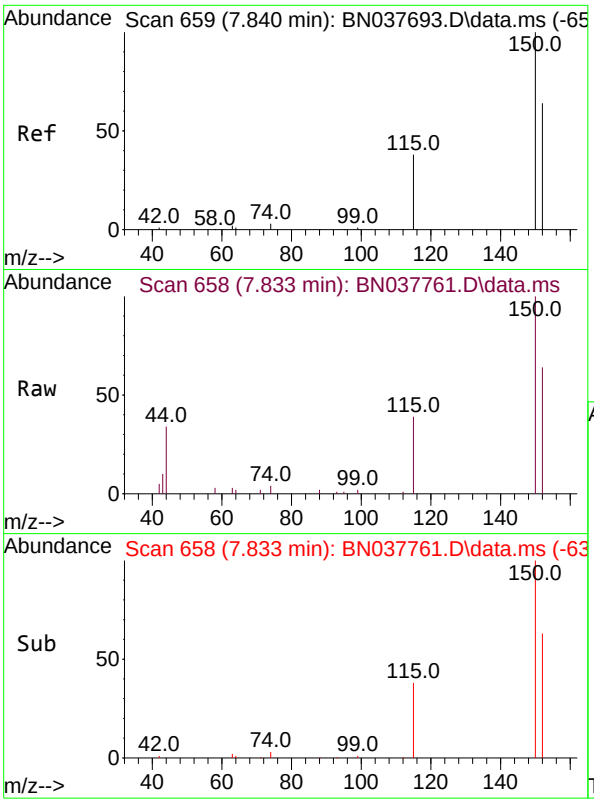
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091725\
Data File : BN037761.D
Acq On : 18 Sep 2025 03:58
Operator : RC/JU
Sample : Q3095-12
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW202D-20250909

Quant Time: Sep 18 05:28:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration



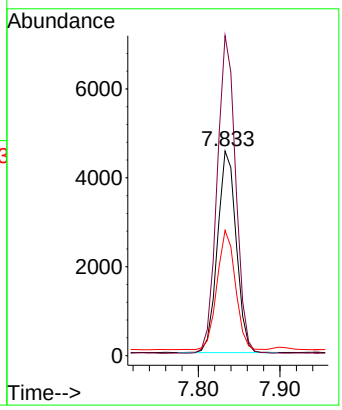


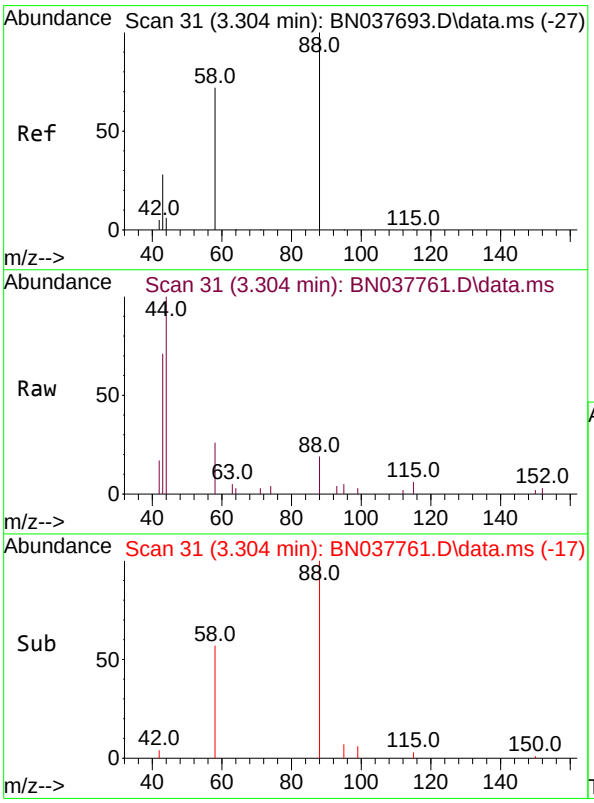
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.833 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN037761.D
Acq: 18 Sep 2025 03:58

Instrument :
BNA_N
ClientSampleId :
MW202D-20250909

Tgt Ion:152 Resp: 7232

Ion	Ratio	Lower	Upper
152	100		
150	156.5	124.5	186.7
115	61.2	49.2	73.8

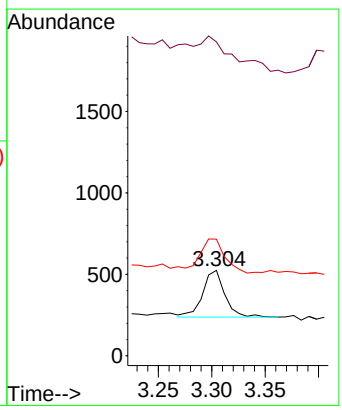


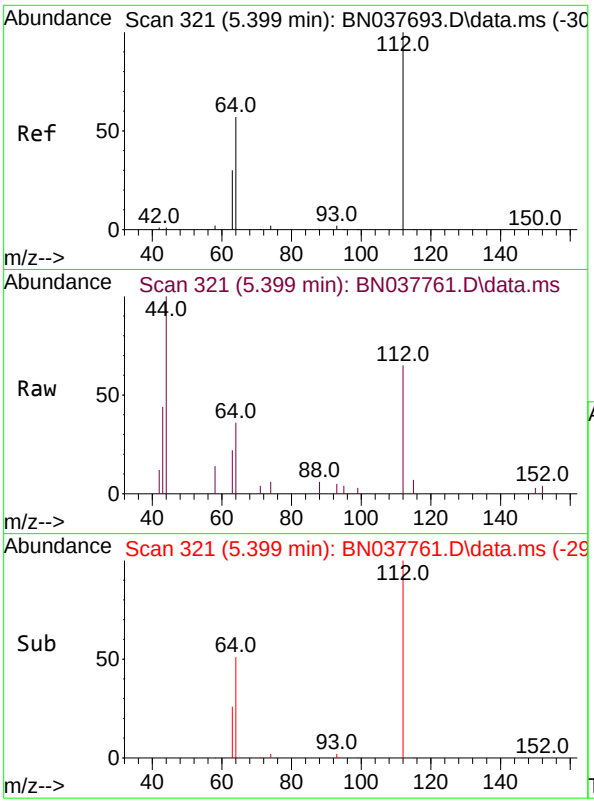


#2
1,4-Dioxane
Concen: 0.055 ng
RT: 3.304 min Scan# 31
Delta R.T. -0.000 min
Lab File: BN037761.D
Acq: 18 Sep 2025 03:58

Tgt Ion: 88 Resp: 413

Ion	Ratio	Lower	Upper
88	100		
43	0.0	26.8	40.2#
58	77.0	61.9	92.9



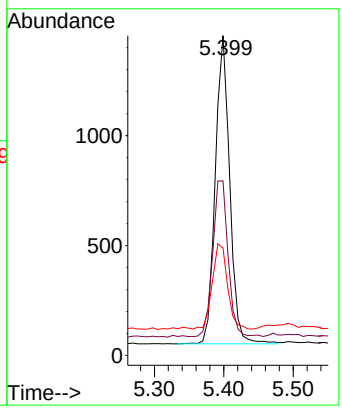


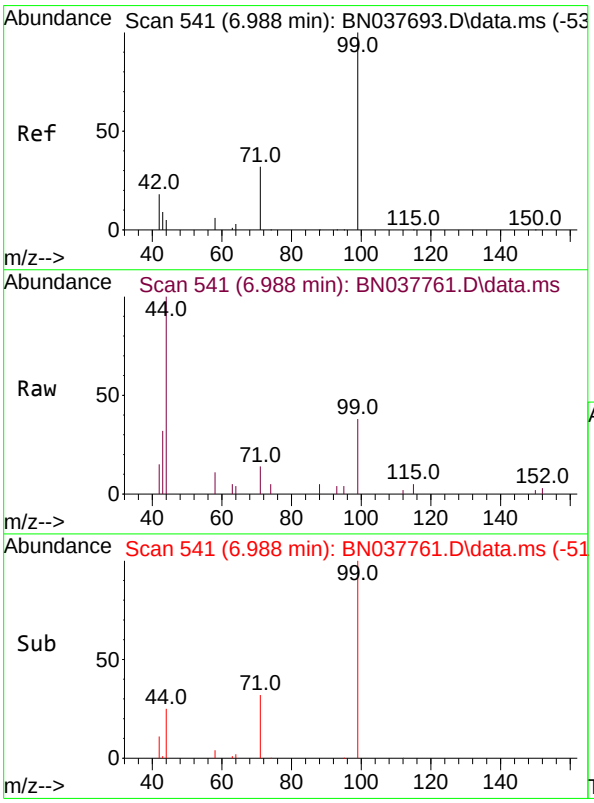
#4
2-Fluorophenol
Concen: 0.122 ng
RT: 5.399 min Scan# 3
Delta R.T. -0.000 min
Lab File: BN037761.D
Acq: 18 Sep 2025 03:58

Instrument :
BNA_N
ClientSampleId :
MW202D-20250909

Tgt Ion:112 Resp: 2030

Ion	Ratio	Lower	Upper
112	100		
64	53.7	44.9	67.3
63	28.7	24.7	37.1

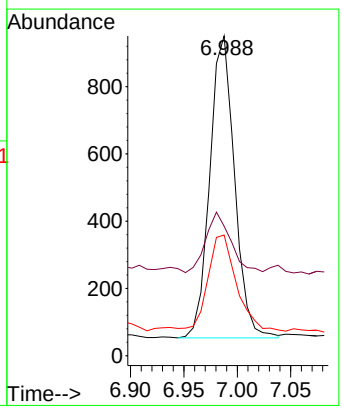


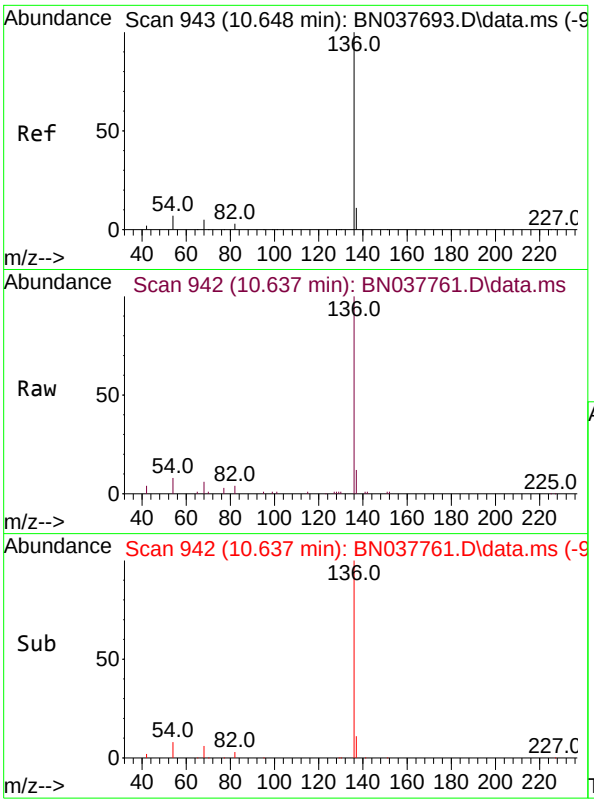


#5
Phenol-d6
Concen: 0.067 ng
RT: 6.988 min Scan# 541
Delta R.T. -0.000 min
Lab File: BN037761.D
Acq: 18 Sep 2025 03:58

Tgt Ion: 99 Resp: 1452

Ion	Ratio	Lower	Upper
99	100		
42	19.9	16.6	24.8
71	38.4	26.7	40.1



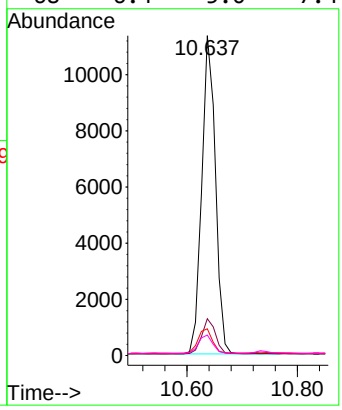


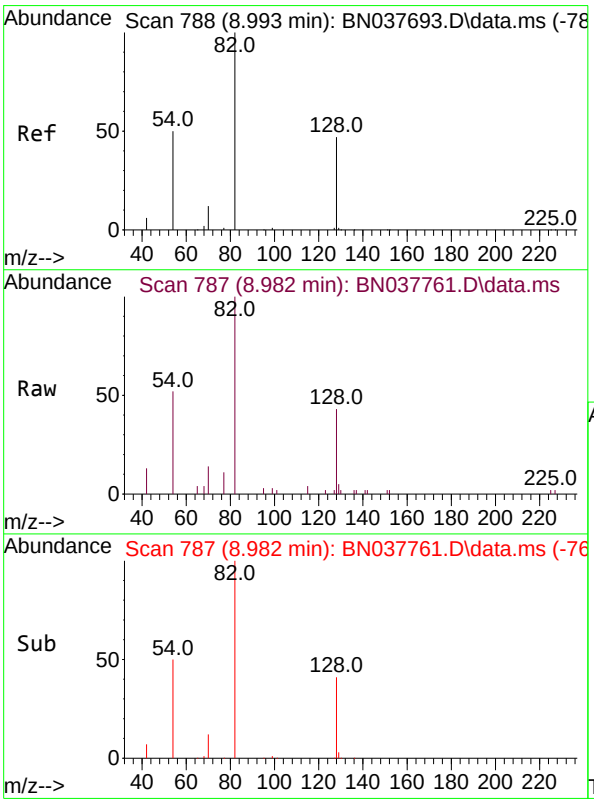
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.637 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037761.D
Acq: 18 Sep 2025 03:58

Instrument :
BNA_N
ClientSampleId :
MW202D-20250909

Tgt Ion:136 Resp: 19420

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.1	13.7
54	8.4	6.3	9.5
68	6.4	5.0	7.4

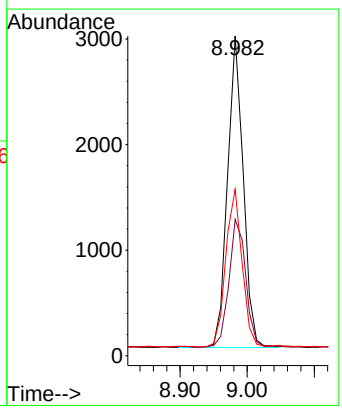


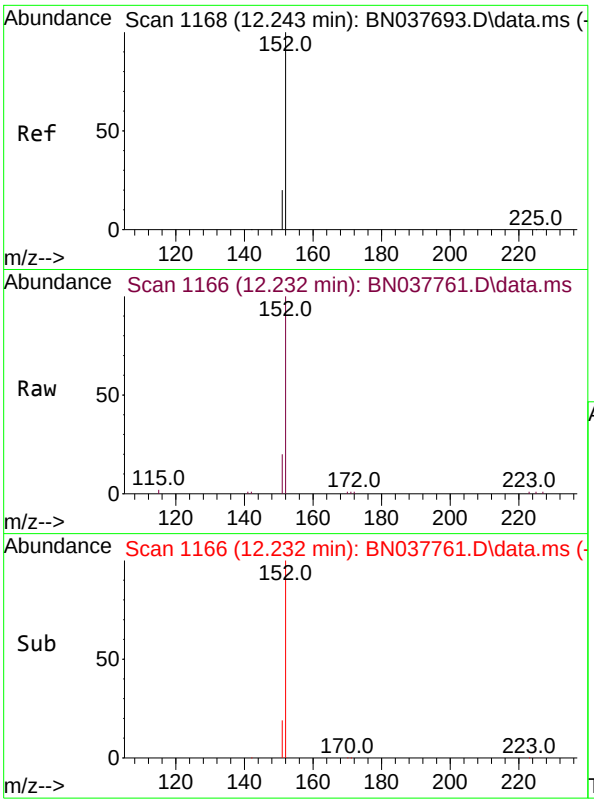


#8
Nitrobenzene-d5
Concen: 0.338 ng
RT: 8.982 min Scan# 787
Delta R.T. -0.011 min
Lab File: BN037761.D
Acq: 18 Sep 2025 03:58

Tgt Ion: 82 Resp: 4795

Ion	Ratio	Lower	Upper
82	100		
128	42.6	38.3	57.5
54	52.0	41.4	62.2



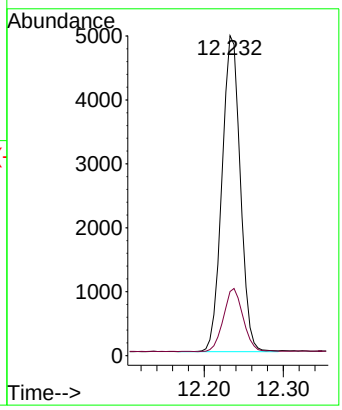


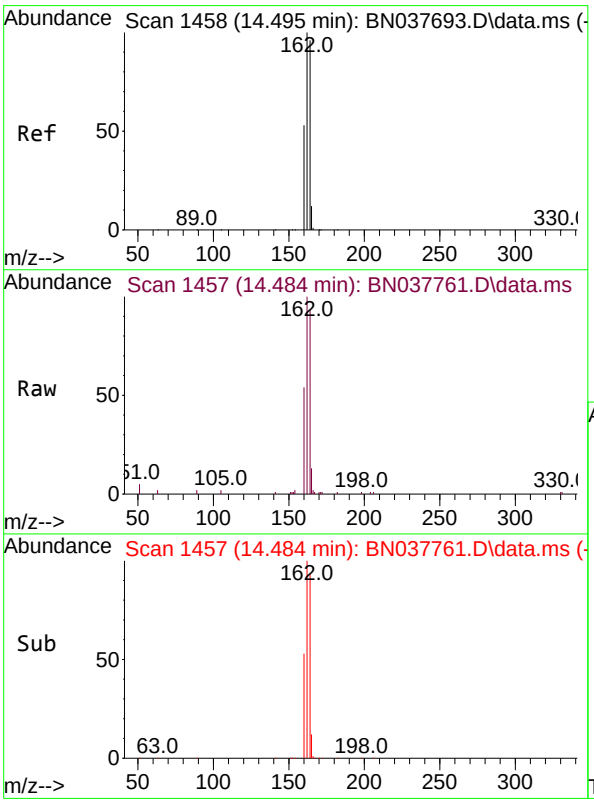
#11
2-Methylnaphthalene-d10
Concen: 0.308 ng
RT: 12.232 min Scan# 11
Delta R.T. -0.010 min
Lab File: BN037761.D
Acq: 18 Sep 2025 03:58

Instrument :
BNA_N
ClientSampleId :
MW202D-20250909

Tgt Ion:152 Resp: 7932

Ion	Ratio	Lower	Upper
152	100		
151	21.5	17.0	25.6

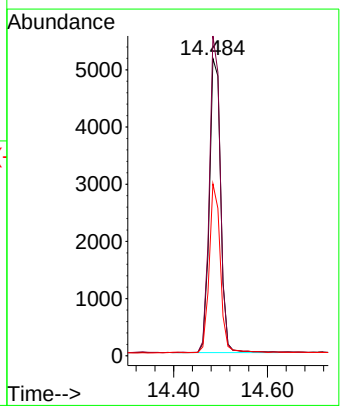


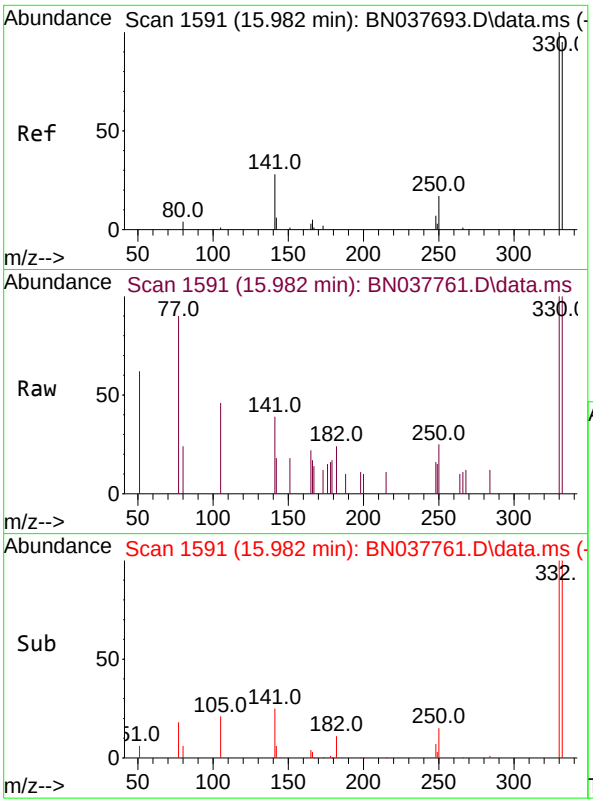


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.484 min Scan# 1457
Delta R.T. -0.011 min
Lab File: BN037761.D
Acq: 18 Sep 2025 03:58

Tgt Ion:164 Resp: 8613

Ion	Ratio	Lower	Upper
164	100		
162	107.6	83.1	124.7
160	57.9	44.3	66.5



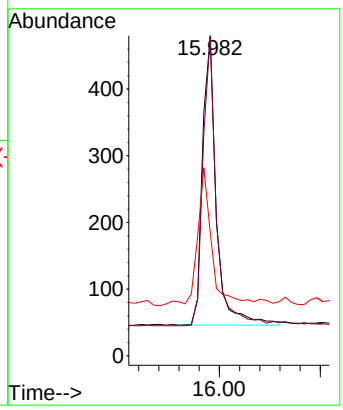


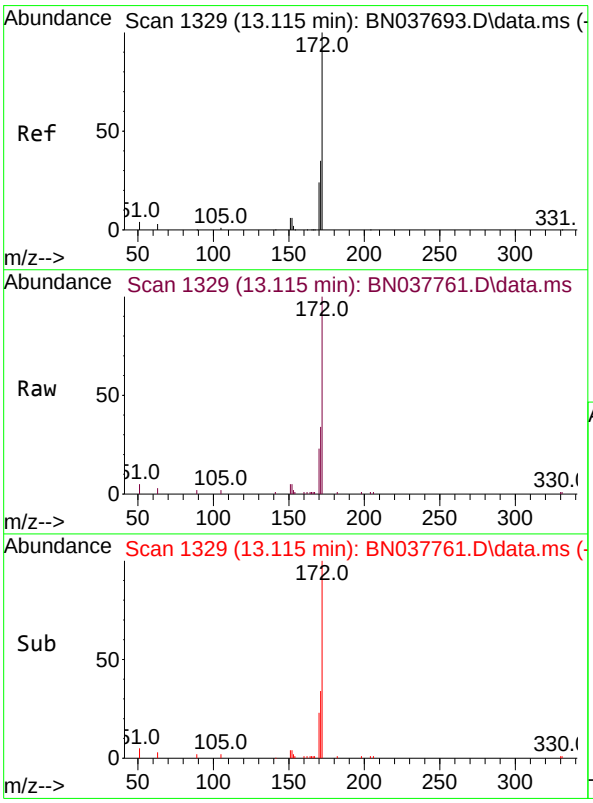
#14
2,4,6-Tribromophenol
Concen: 0.365 ng
RT: 15.982 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037761.D
Acq: 18 Sep 2025 03:58

Instrument :
BNA_N
ClientSampleId :
MW202D-20250909

Tgt Ion:330 Resp: 820

Ion	Ratio	Lower	Upper
330	100		
332	97.0	75.3	112.9
141	49.9	35.0	52.4

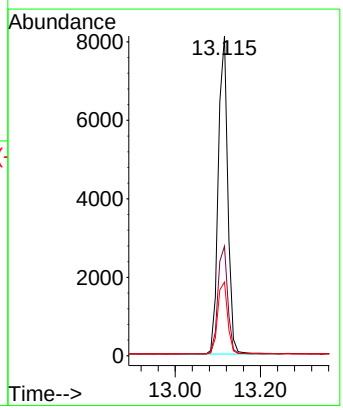


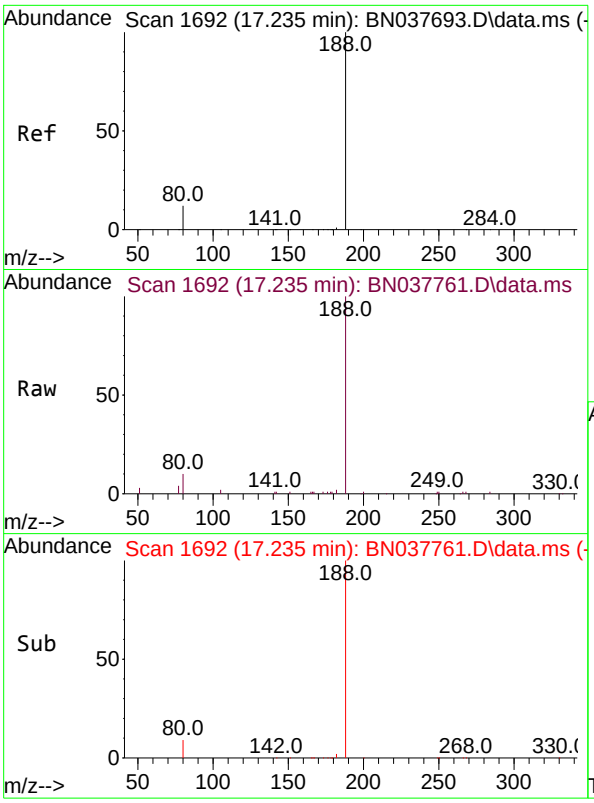


#15
2-Fluorobiphenyl
Concen: 0.348 ng
RT: 13.115 min Scan# 1329
Delta R.T. -0.000 min
Lab File: BN037761.D
Acq: 18 Sep 2025 03:58

Tgt Ion:172 Resp: 12551

Ion	Ratio	Lower	Upper
172	100		
171	34.3	28.6	43.0
170	23.1	19.8	29.8



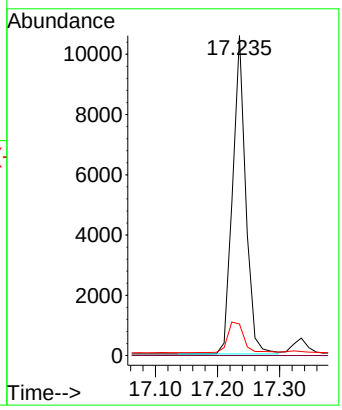


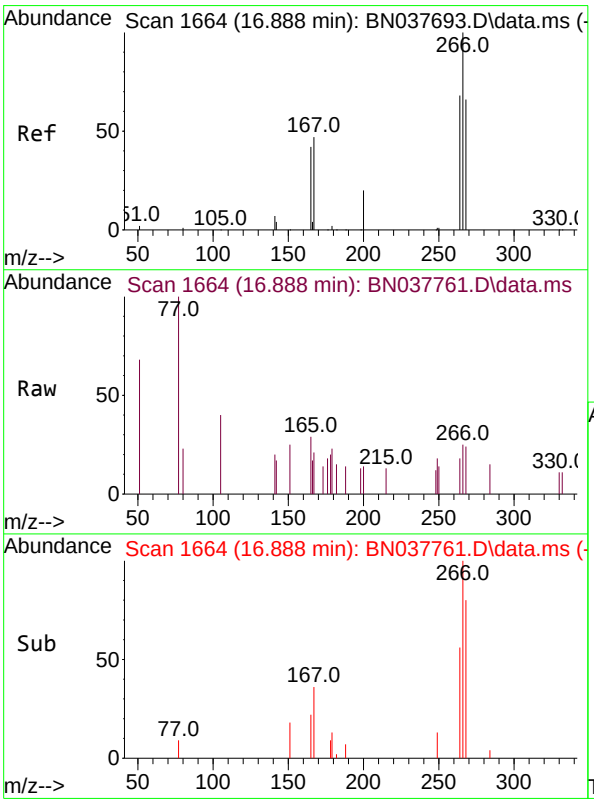
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.235 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037761.D
Acq: 18 Sep 2025 03:58

Instrument :
BNA_N
ClientSampleId :
MW202D-20250909

Tgt Ion:188 Resp: 15444

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.8	10.6	15.8#

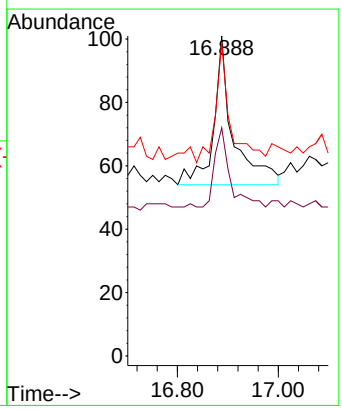


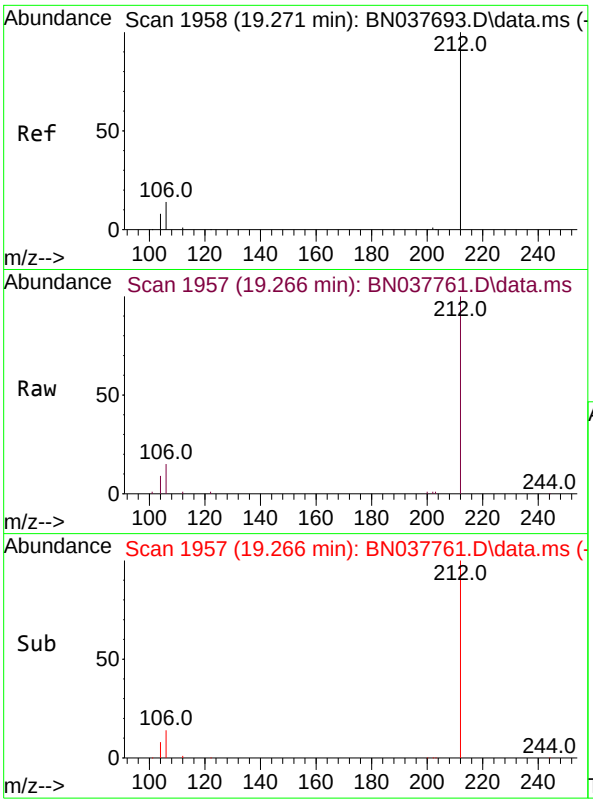


#24
Pentachlorophenol
Concen: 0.038 ng
RT: 16.888 min Scan# 1664
Delta R.T. -0.000 min
Lab File: BN037761.D
Acq: 18 Sep 2025 03:58

Tgt Ion:266 Resp: 127

Ion	Ratio	Lower	Upper
266	100		
264	44.1	51.6	77.4#
268	60.6	53.2	79.8



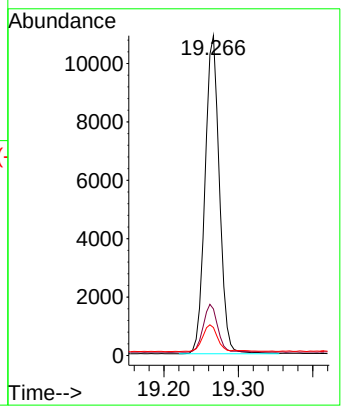


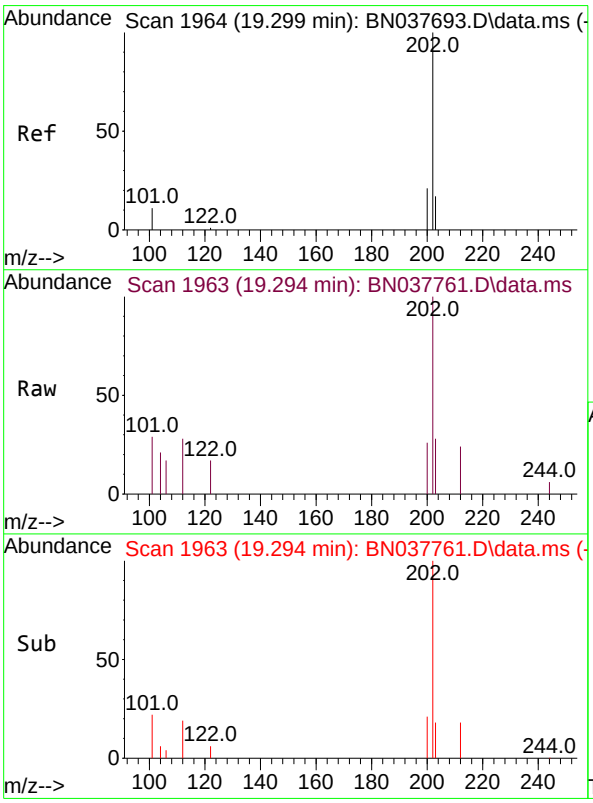
#27
Fluoranthene-d10
Concen: 0.377 ng
RT: 19.266 min Scan# 19
Delta R.T. -0.005 min
Lab File: BN037761.D
Acq: 18 Sep 2025 03:58

Instrument :
BNA_N
ClientSampleId :
MW202D-20250909

Tgt Ion:212 Resp: 14609

Ion	Ratio	Lower	Upper
212	100		
106	15.4	12.2	18.2
104	8.7	6.9	10.3

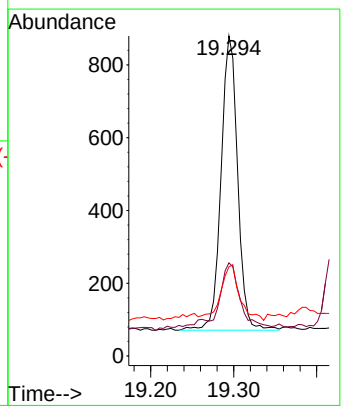


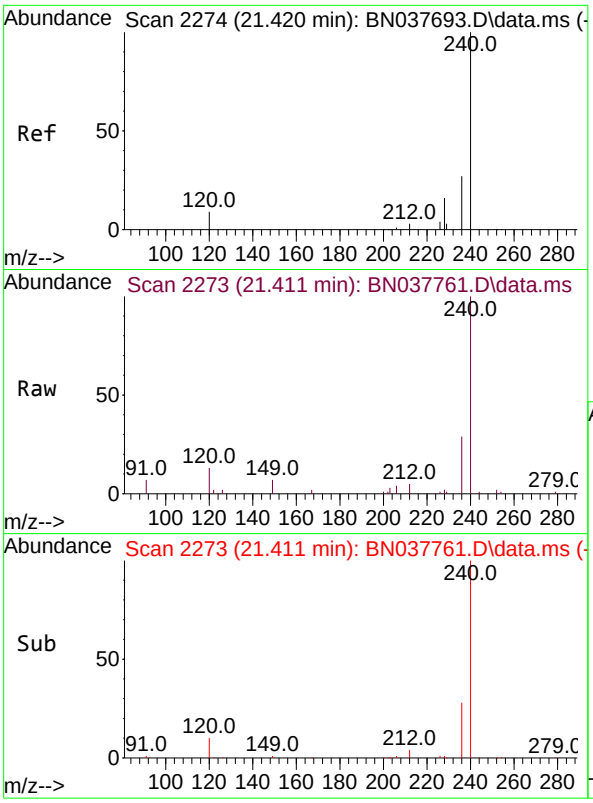


#28
Fluoranthene
Concen: 0.021 ng
RT: 19.294 min Scan# 1963
Delta R.T. -0.005 min
Lab File: BN037761.D
Acq: 18 Sep 2025 03:58

Tgt Ion:202 Resp: 1128

Ion	Ratio	Lower	Upper
202	100		
101	24.4	9.3	13.9#
203	21.1	13.7	20.5#



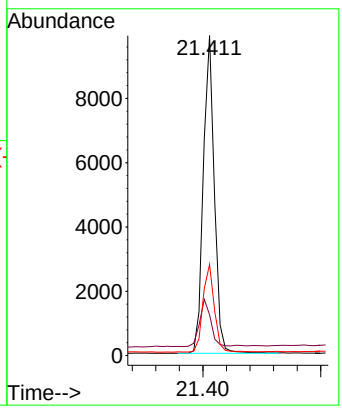


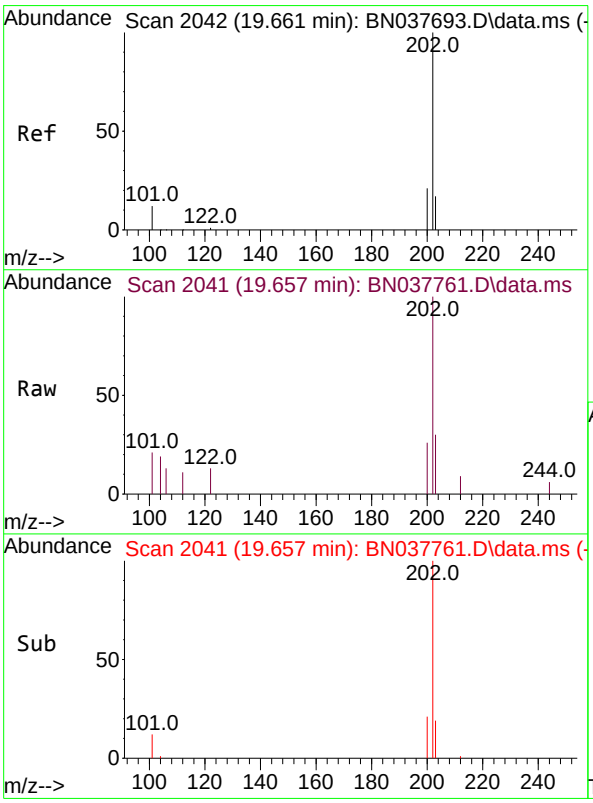
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.411 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN037761.D
Acq: 18 Sep 2025 03:58

Instrument :
BNA_N
ClientSampleId :
MW202D-20250909

Tgt Ion:240 Resp: 12865

Ion	Ratio	Lower	Upper
240	100		
120	12.8	9.2	13.8
236	28.5	22.6	33.8

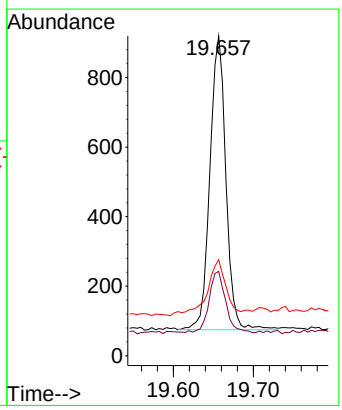


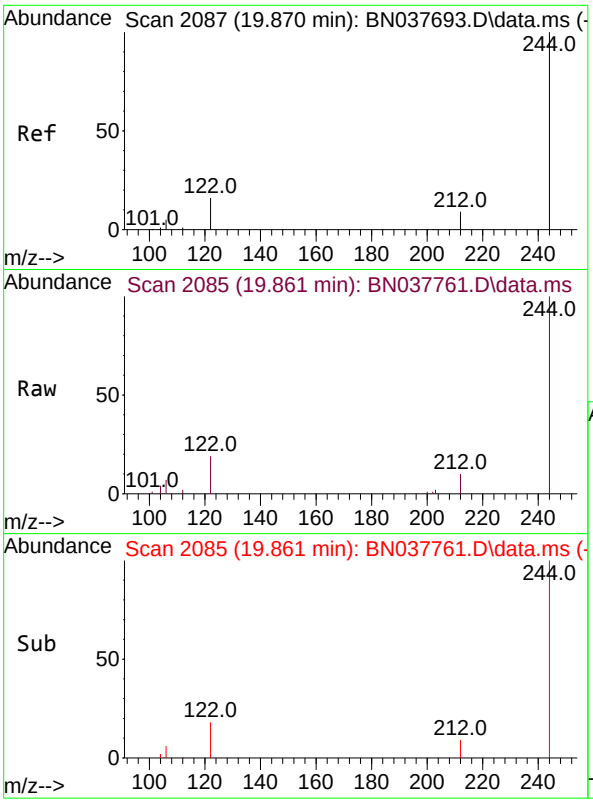


#30
Pyrene
Concen: 0.023 ng
RT: 19.657 min Scan# 2041
Delta R.T. -0.005 min
Lab File: BN037761.D
Acq: 18 Sep 2025 03:58

Tgt Ion:202 Resp: 1175

Ion	Ratio	Lower	Upper
202	100		
200	21.7	16.8	25.2
203	22.8	14.3	21.5#



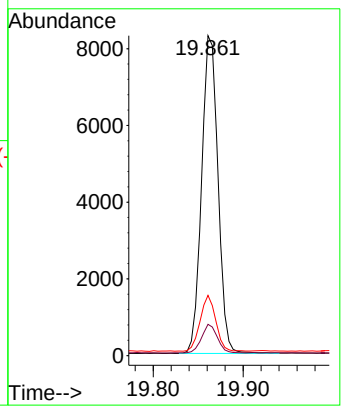


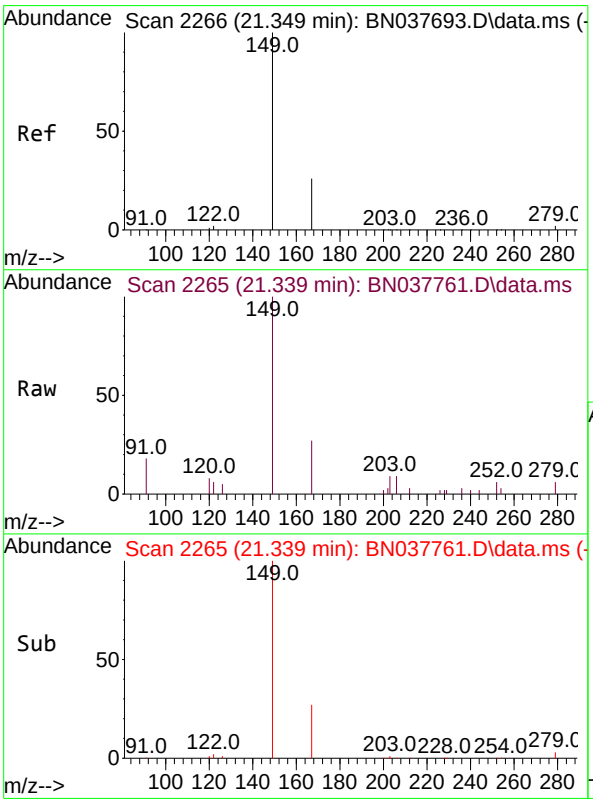
#31
Terphenyl-d14
Concen: 0.401 ng
RT: 19.861 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037761.D
Acq: 18 Sep 2025 03:58

Instrument :
BNA_N
ClientSampleId :
MW202D-20250909

Tgt Ion:244 Resp: 10464

Ion	Ratio	Lower	Upper
244	100		
212	9.8	7.5	11.3
122	18.8	13.2	19.8

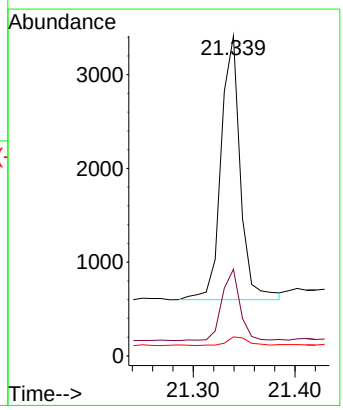


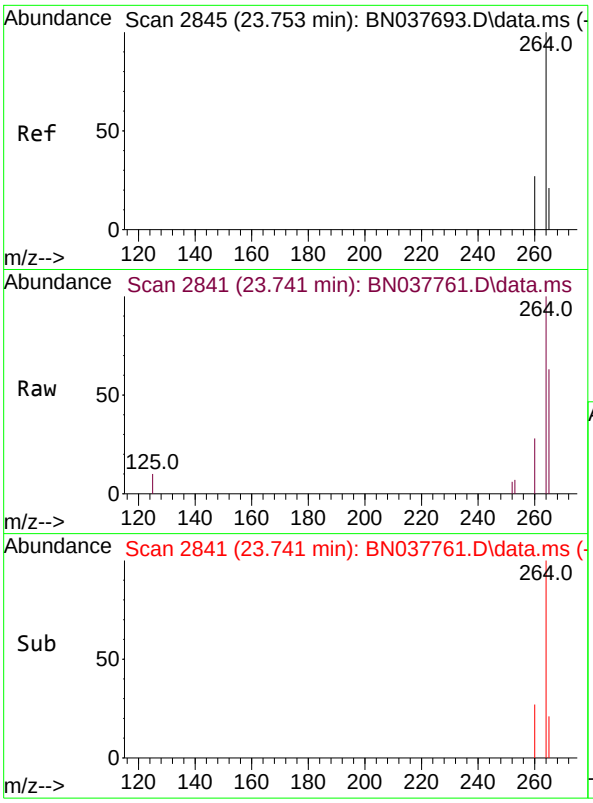


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.279 ng
RT: 21.339 min Scan# 2265
Delta R.T. -0.009 min
Lab File: BN037761.D
Acq: 18 Sep 2025 03:58

Tgt Ion:149 Resp: 3713

Ion	Ratio	Lower	Upper
149	100		
167	25.3	20.8	31.2
279	3.7	3.3	4.9



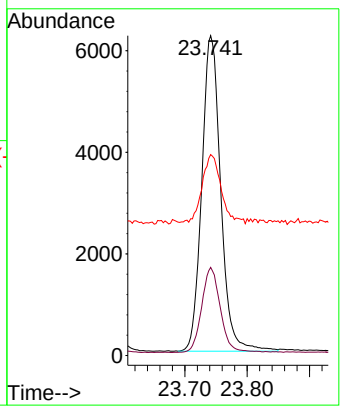


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.741 min Scan# 2
Delta R.T. -0.012 min
Lab File: BN037761.D
Acq: 18 Sep 2025 03:58

Instrument :
BNA_N
ClientSampleId :
MW202D-20250909

Tgt Ion:264 Resp: 13080

Ion	Ratio	Lower	Upper
264	100		
260	27.6	21.8	32.8
265	62.8	39.4	59.2#



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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	MW178I1-20250909	SDG No.:	Q3095
Lab Sample ID:	Q3095-13	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
BN037755.D	1	09/15/25 10:15	09/17/25 20:37	PB169692

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.66		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.29		30 - 150		73%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.36		30 - 150		91%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.31		55 - 111		78%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.32		53 - 106		80%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.38		58 - 132		95%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6480	7.833				
1146-65-2	Naphthalene-d8	17500	10.637				
15067-26-2	Acenaphthene-d10	7820	14.494				
1517-22-2	Phenanthrene-d10	14500	17.235				
1719-03-5	Chrysene-d12	12700	21.411				
1520-96-3	Perylene-d12	12700	23.75				

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\BN091725\
Data File : BN037755.D
Acq On : 17 Sep 2025 20:37
Operator : RC/JU
Sample : Q3095-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW178I1-20250909

Quant Time: Sep 18 05:01:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

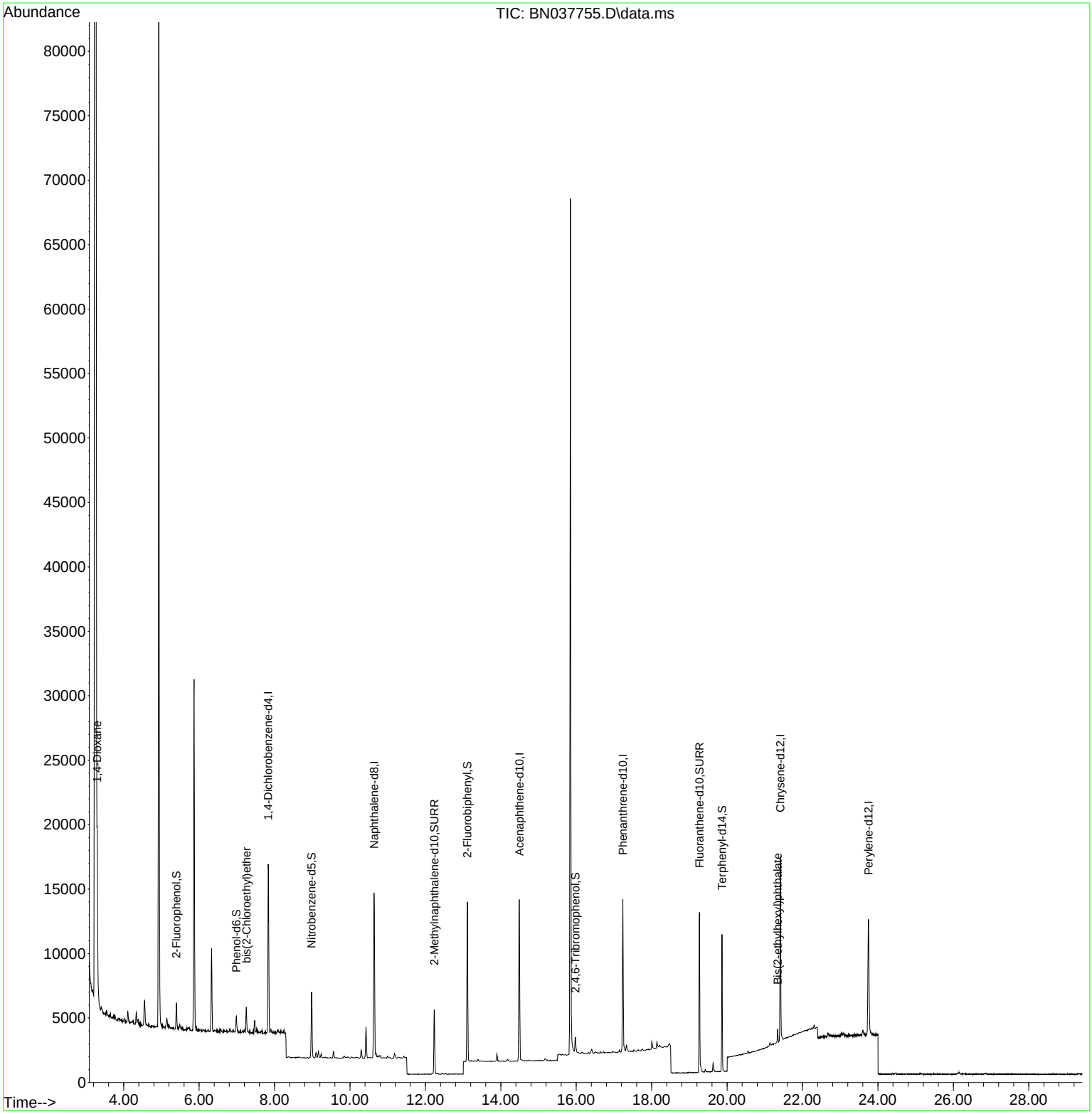
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.833	152	6476	0.400	ng	0.00
7) Naphthalene-d8	10.637	136	17530	0.400	ng	-0.01
13) Acenaphthene-d10	14.494	164	7818	0.400	ng	0.00
19) Phenanthrene-d10	17.235	188	14505	0.400	ng	# 0.00
29) Chrysene-d12	21.411	240	12734	0.400	ng	# 0.00
35) Perylene-d12	23.750	264	12709	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.399	112	1660	0.112	ng	0.00
5) Phenol-d6	6.988	99	1198	0.062	ng	0.00
8) Nitrobenzene-d5	8.982	82	3998	0.312	ng	-0.01
11) 2-Methylnaphthalene-d10	12.238	152	6784	0.292	ng	0.00
14) 2,4,6-Tribromophenol	15.982	330	754	0.370	ng	0.00
15) 2-Fluorobiphenyl	13.115	172	10455	0.320	ng	0.00
27) Fluoranthene-d10	19.266	212	13269	0.364	ng	0.00
31) Terphenyl-d14	19.866	244	9829	0.380	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.297	88	4441	0.658	ng	# 90
6) bis(2-Chloroethyl)ether	7.255	93	1405	0.082	ng	98
34) Bis(2-ethylhexyl)phtha...	21.340	149	1079	0.082	ng	98

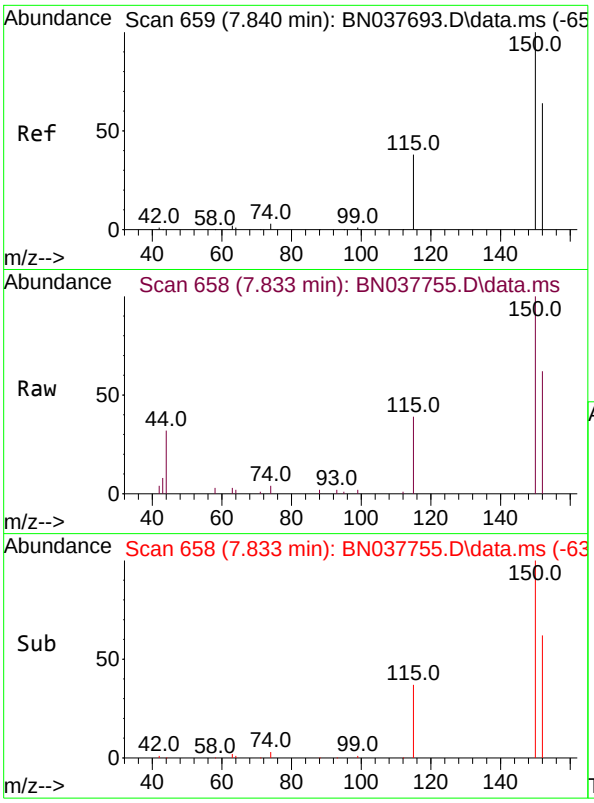
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091725\
Data File : BN037755.D
Acq On : 17 Sep 2025 20:37
Operator : RC/JU
Sample : Q3095-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW178I1-20250909

Quant Time: Sep 18 05:01:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration



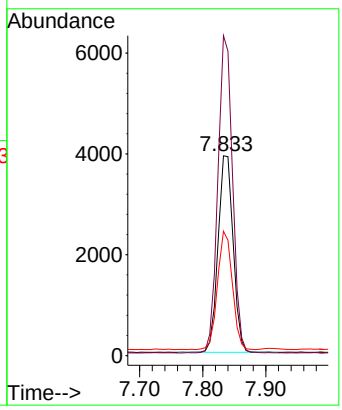


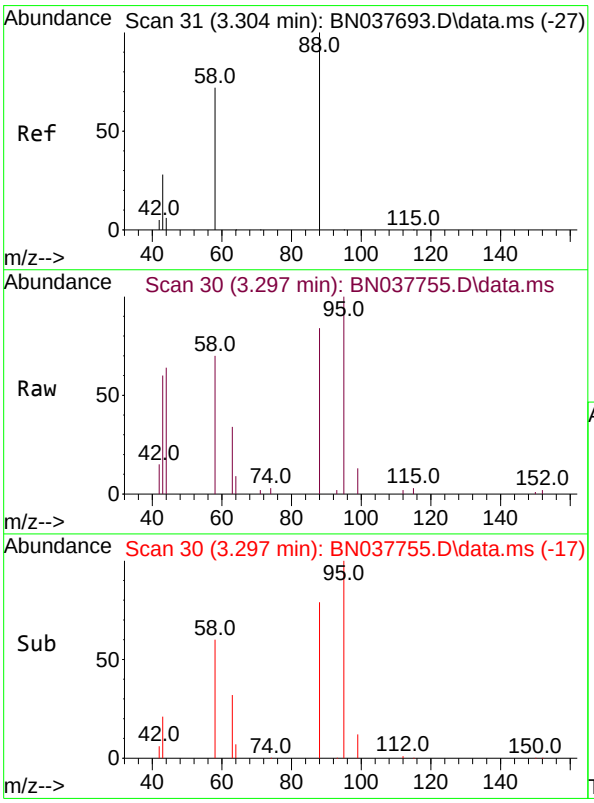
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.833 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN037755.D
Acq: 17 Sep 2025 20:37

Instrument :
BNA_N
ClientSampleId :
MW178I1-20250909

Tgt Ion:152 Resp: 6476

Ion	Ratio	Lower	Upper
152	100		
150	160.2	124.5	186.7
115	62.3	49.2	73.8

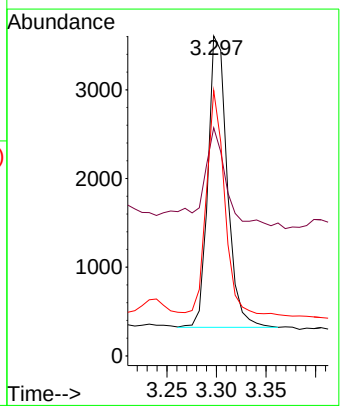


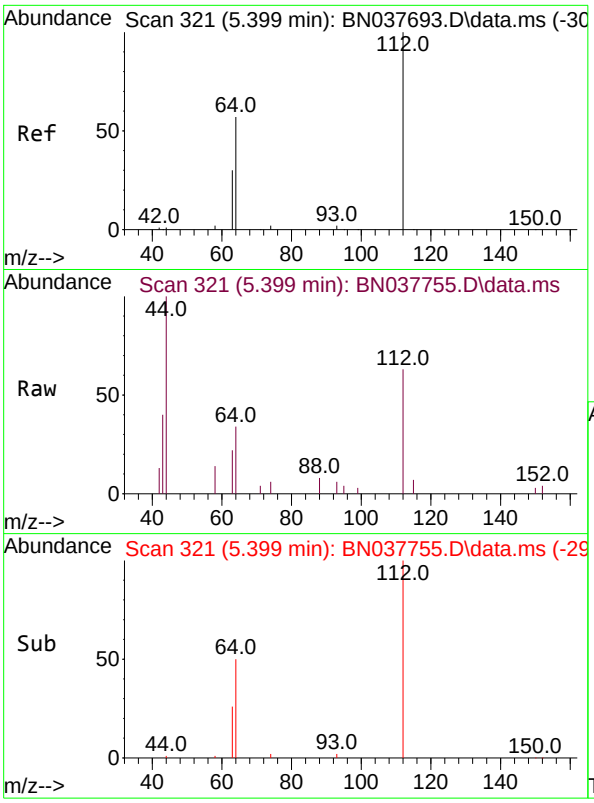


#2
1,4-Dioxane
Concen: 0.658 ng
RT: 3.297 min Scan# 30
Delta R.T. -0.007 min
Lab File: BN037755.D
Acq: 17 Sep 2025 20:37

Tgt Ion: 88 Resp: 4441

Ion	Ratio	Lower	Upper
88	100		
43	46.3	26.8	40.2#
58	73.0	61.9	92.9



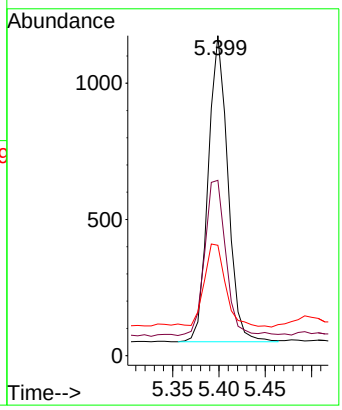


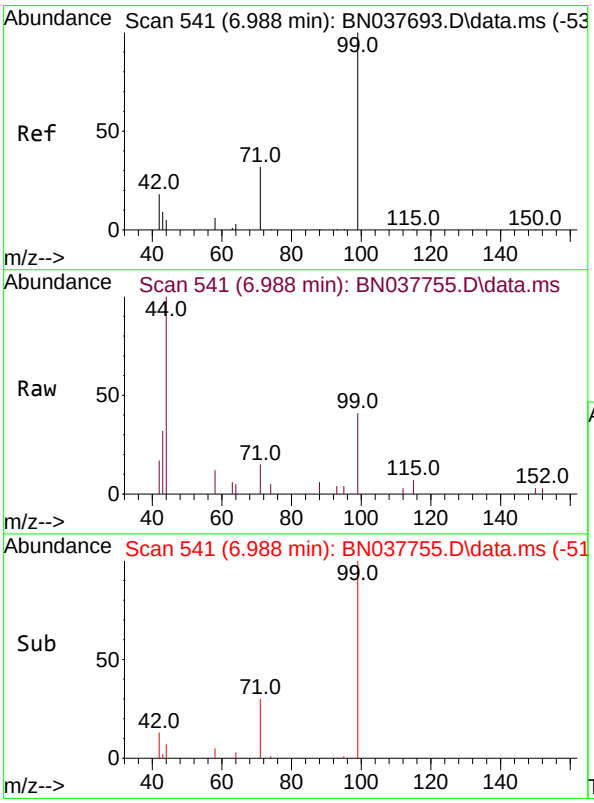
#4
2-Fluorophenol
Concen: 0.112 ng
RT: 5.399 min Scan# 3
Delta R.T. -0.000 min
Lab File: BN037755.D
Acq: 17 Sep 2025 20:37

Instrument :
BNA_N
ClientSampleId :
MW178I1-20250909

Tgt Ion:112 Resp: 1660

Ion	Ratio	Lower	Upper
112	100		
64	54.6	44.9	67.3
63	29.5	24.7	37.1

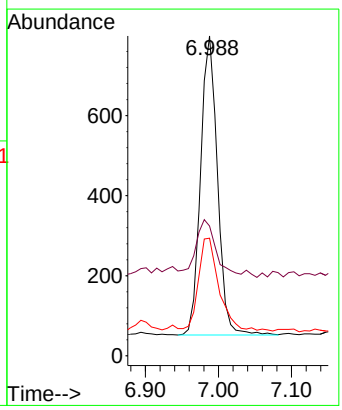


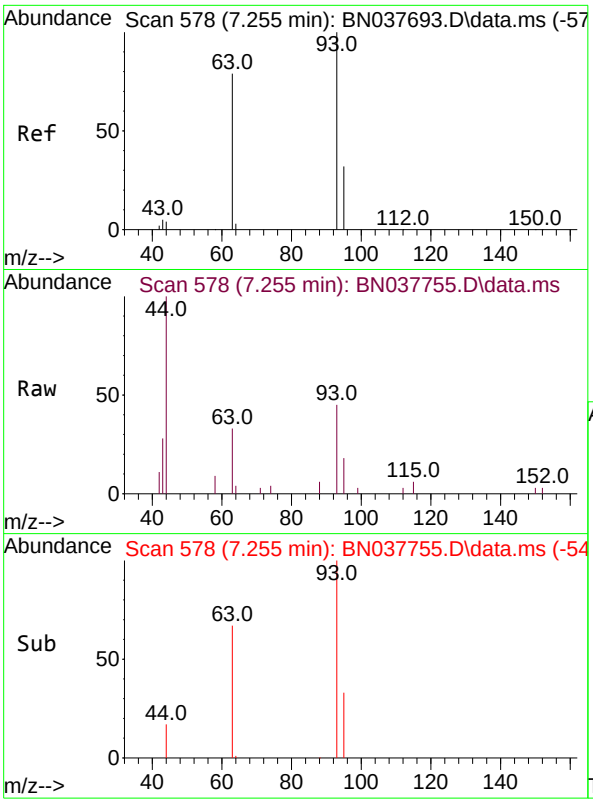


#5
Phenol-d6
Concen: 0.062 ng
RT: 6.988 min Scan# 541
Delta R.T. -0.000 min
Lab File: BN037755.D
Acq: 17 Sep 2025 20:37

Tgt Ion: 99 Resp: 1198

Ion	Ratio	Lower	Upper
99	100		
42	20.1	16.6	24.8
71	38.1	26.7	40.1



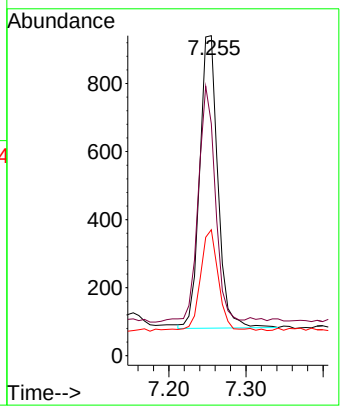


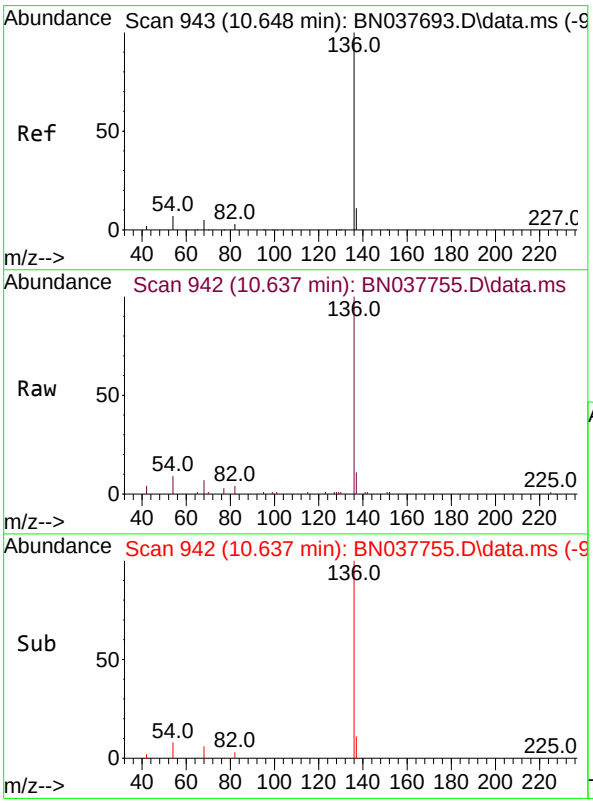
#6
bis(2-Chloroethyl)ether
Concen: 0.082 ng
RT: 7.255 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN037755.D
Acq: 17 Sep 2025 20:37

Instrument :
BNA_N
ClientSampleId :
MW178I1-20250909

Tgt Ion: 93 Resp: 1405

Ion	Ratio	Lower	Upper
93	100		
63	76.2	60.6	90.8
95	35.7	26.0	39.0

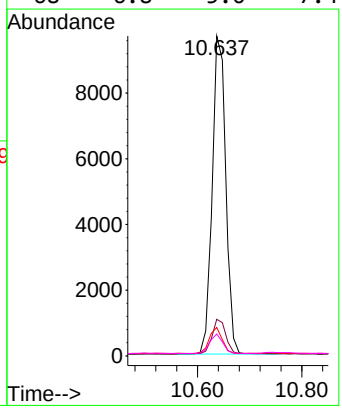


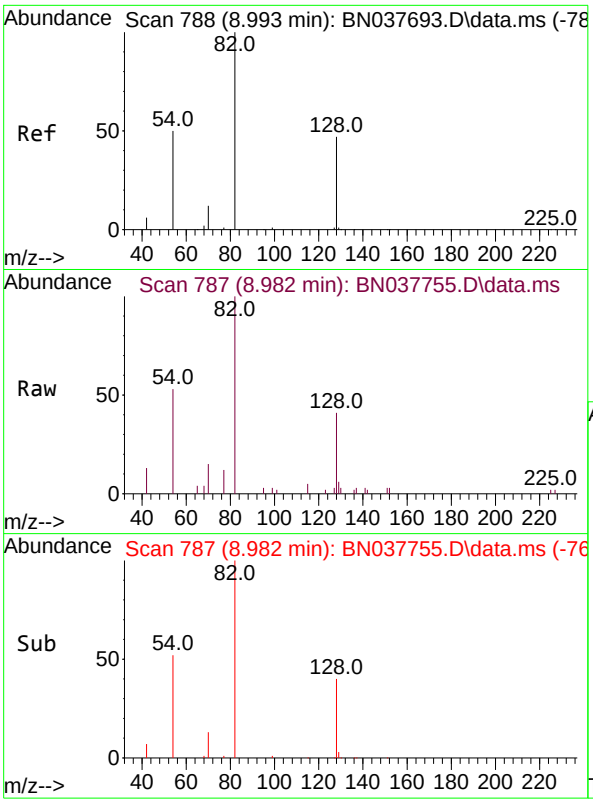


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.637 min Scan# 942
Delta R.T. -0.011 min
Lab File: BN037755.D
Acq: 17 Sep 2025 20:37

Tgt Ion:136 Resp: 17530

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	8.9	6.3	9.5
68	6.8	5.0	7.4



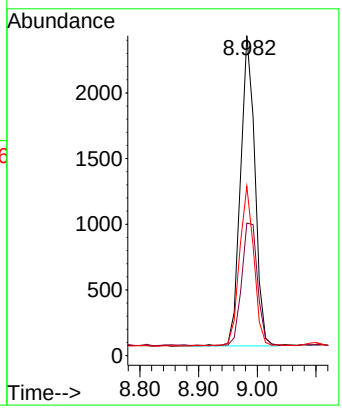


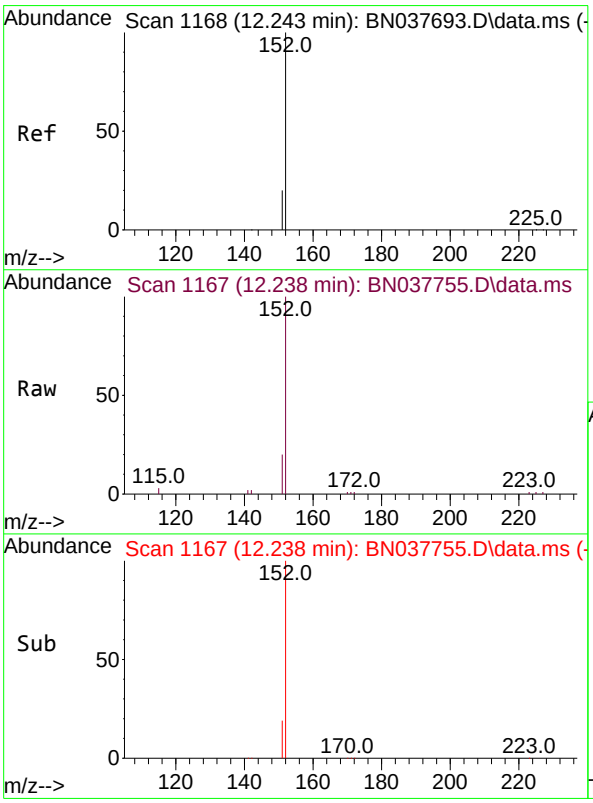
#8
Nitrobenzene-d5
Concen: 0.312 ng
RT: 8.982 min Scan# 78
Delta R.T. -0.011 min
Lab File: BN037755.D
Acq: 17 Sep 2025 20:37

Instrument :
BNA_N
ClientSampleId :
MW178I1-20250909

Tgt Ion: 82 Resp: 3998

Ion	Ratio	Lower	Upper
82	100		
128	41.4	38.3	57.5
54	52.9	41.4	62.2

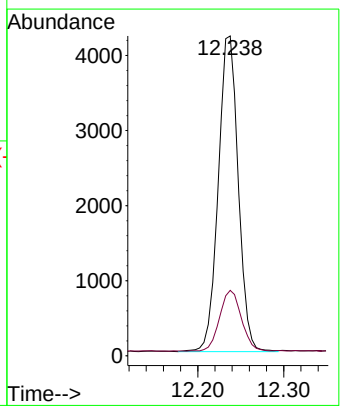


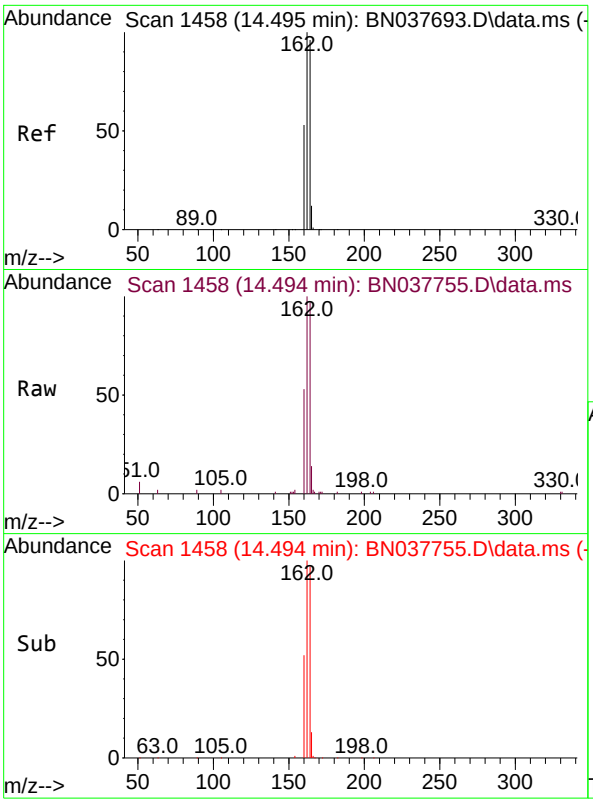


#11
2-Methylnaphthalene-d10
Concen: 0.292 ng
RT: 12.238 min Scan# 1167
Delta R.T. -0.005 min
Lab File: BN037755.D
Acq: 17 Sep 2025 20:37

Tgt Ion:152 Resp: 6784

Ion	Ratio	Lower	Upper
152	100		
151	21.0	17.0	25.6



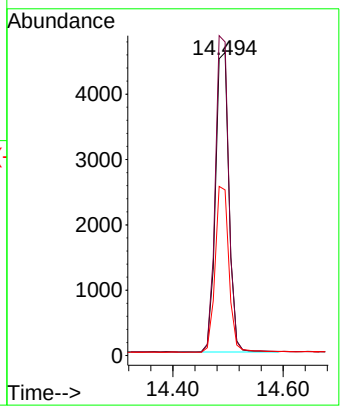


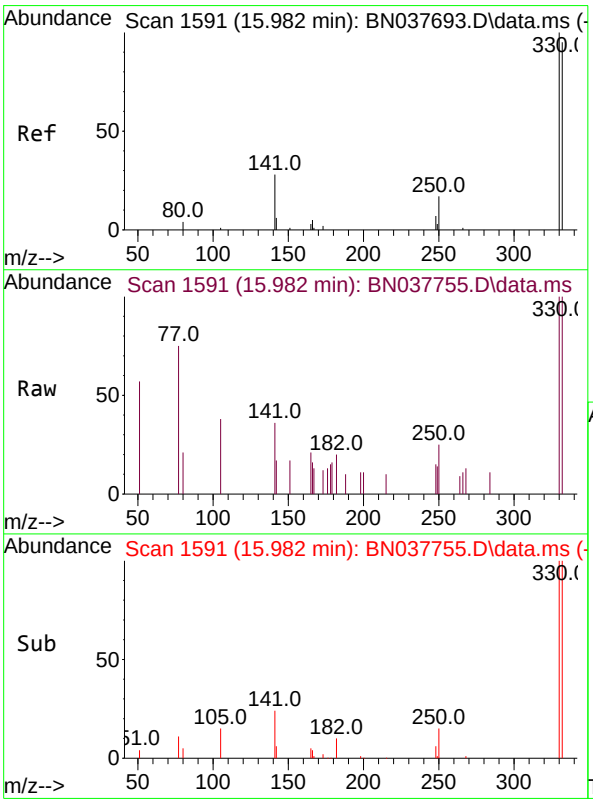
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.494 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN037755.D
Acq: 17 Sep 2025 20:37

Instrument :
BNA_N
ClientSampleId :
MW178I1-20250909

Tgt Ion:164 Resp: 7818

Ion	Ratio	Lower	Upper
164	100		
162	103.5	83.1	124.7
160	54.7	44.3	66.5

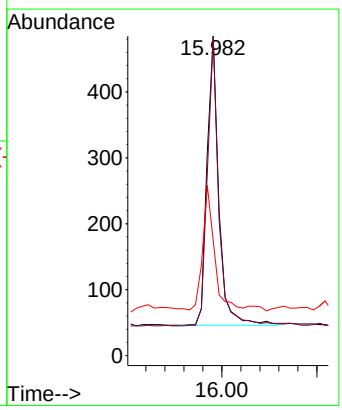


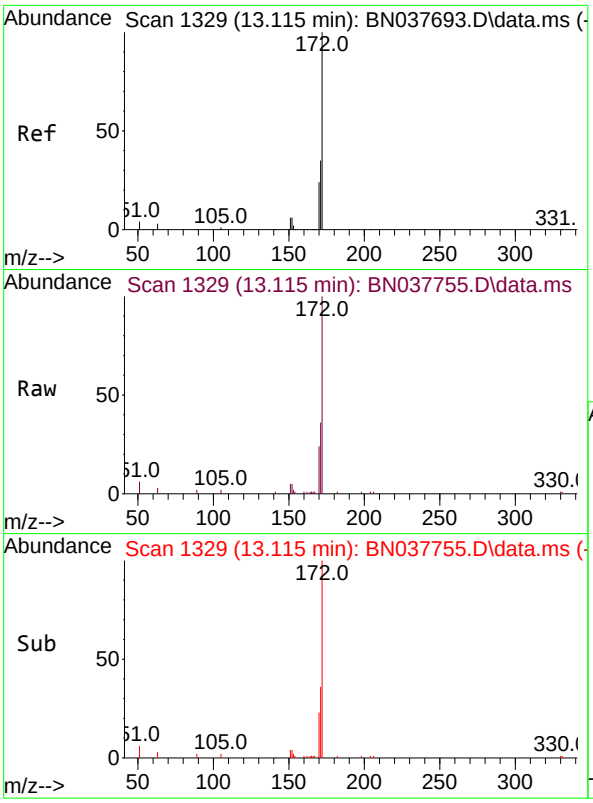


#14
2,4,6-Tribromophenol
Concen: 0.370 ng
RT: 15.982 min Scan# 1591
Delta R.T. -0.000 min
Lab File: BN037755.D
Acq: 17 Sep 2025 20:37

Tgt Ion:330 Resp: 754

Ion	Ratio	Lower	Upper
330	100		
332	96.6	75.3	112.9
141	43.4	35.0	52.4



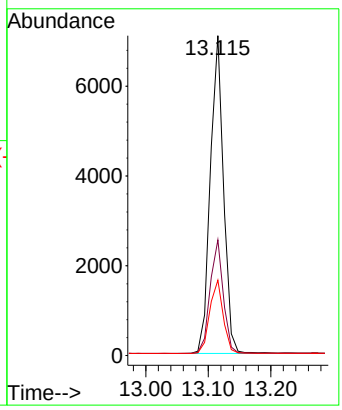


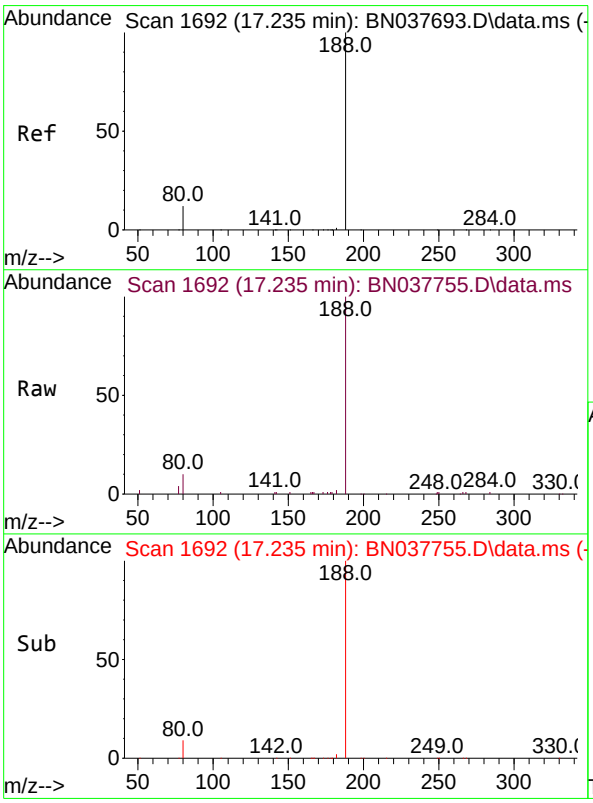
#15
2-Fluorobiphenyl
Concen: 0.320 ng
RT: 13.115 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037755.D
Acq: 17 Sep 2025 20:37

Instrument :
BNA_N
ClientSampleId :
MW178I1-20250909

Tgt Ion:172 Resp: 10455

Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.6	43.0
170	23.6	19.8	29.8

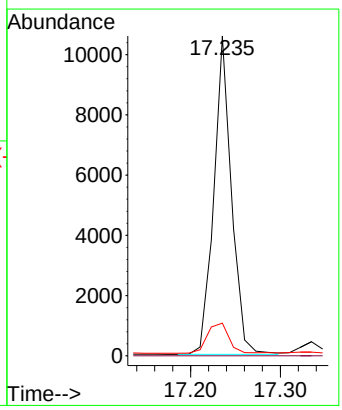


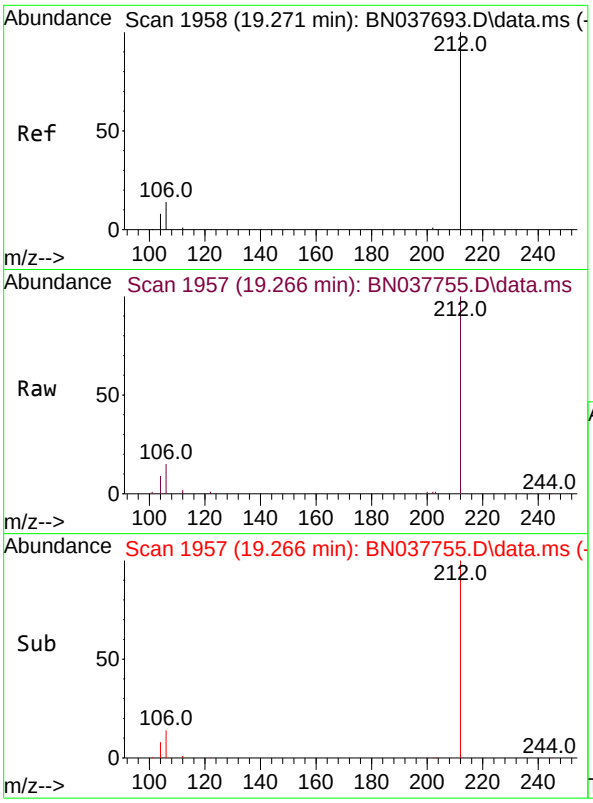


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.235 min Scan# 1692
Delta R.T. -0.000 min
Lab File: BN037755.D
Acq: 17 Sep 2025 20:37

Tgt Ion:188 Resp: 14505

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.2	10.6	15.8#



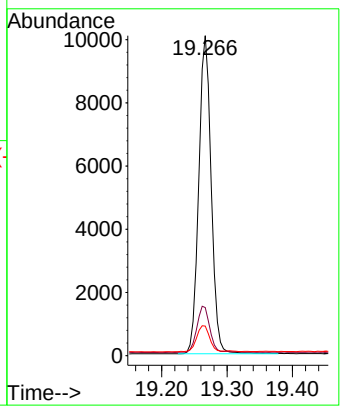


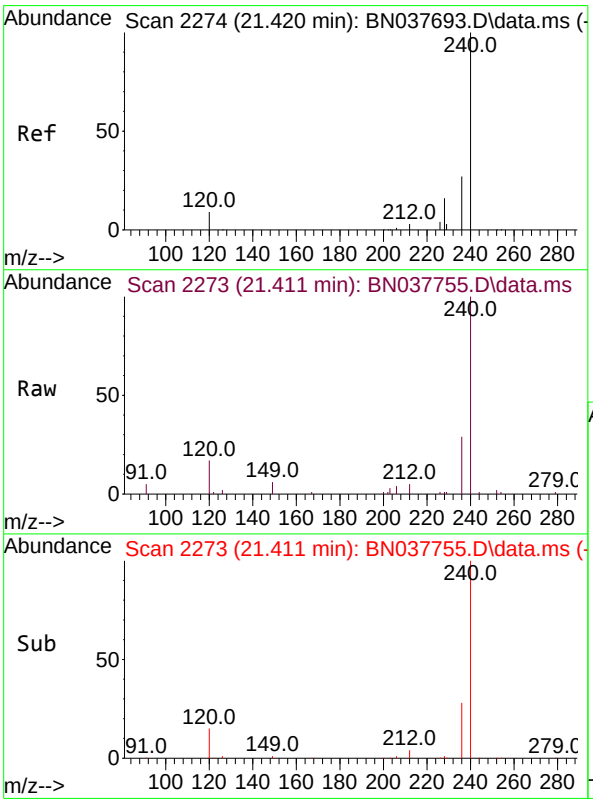
#27
Fluoranthene-d10
Concen: 0.364 ng
RT: 19.266 min Scan# 19
Delta R.T. -0.005 min
Lab File: BN037755.D
Acq: 17 Sep 2025 20:37

Instrument :
BNA_N
ClientSampleId :
MW178I1-20250909

Tgt Ion:212 Resp: 13269

Ion	Ratio	Lower	Upper
212	100		
106	15.1	12.2	18.2
104	8.6	6.9	10.3

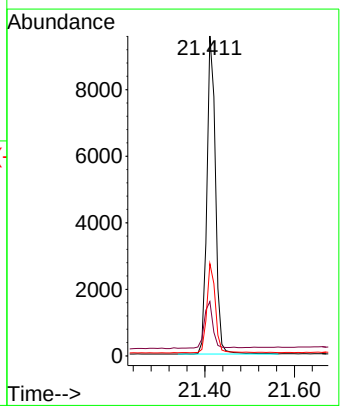


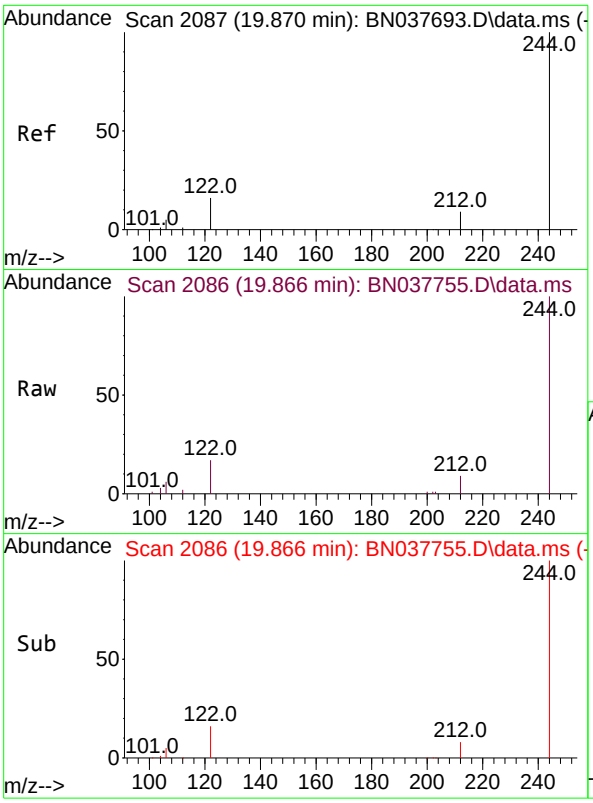


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.411 min Scan# 2273
Delta R.T. -0.009 min
Lab File: BN037755.D
Acq: 17 Sep 2025 20:37

Tgt Ion:240 Resp: 12734

Ion	Ratio	Lower	Upper
240	100		
120	17.0	9.2	13.8#
236	28.8	22.6	33.8



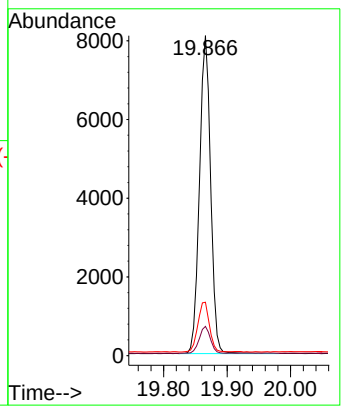


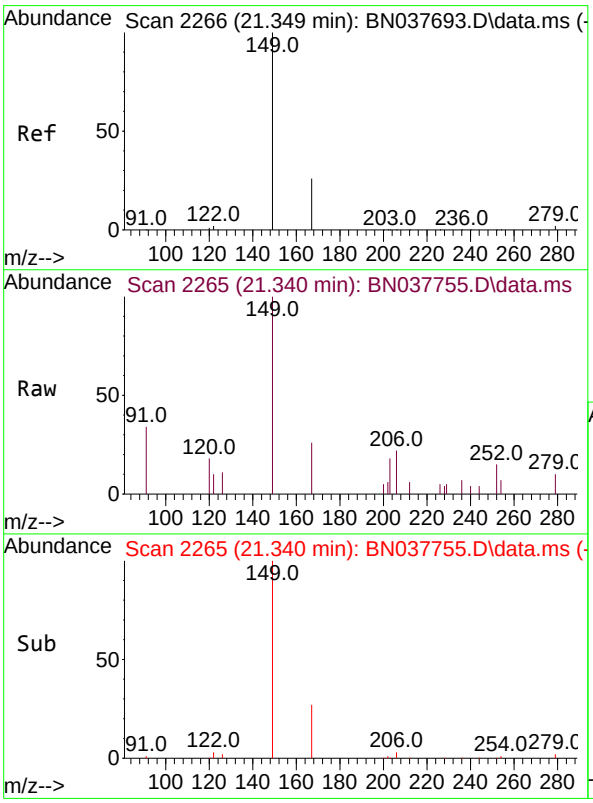
#31
Terphenyl-d14
Concen: 0.380 ng
RT: 19.866 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN037755.D
Acq: 17 Sep 2025 20:37

Instrument :
BNA_N
ClientSampleId :
MW178I1-20250909

Tgt Ion:244 Resp: 9829

Ion	Ratio	Lower	Upper
244	100		
212	9.1	7.5	11.3
122	16.7	13.2	19.8

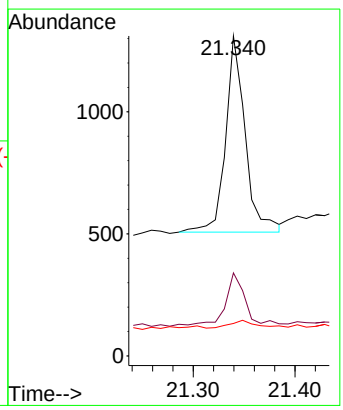


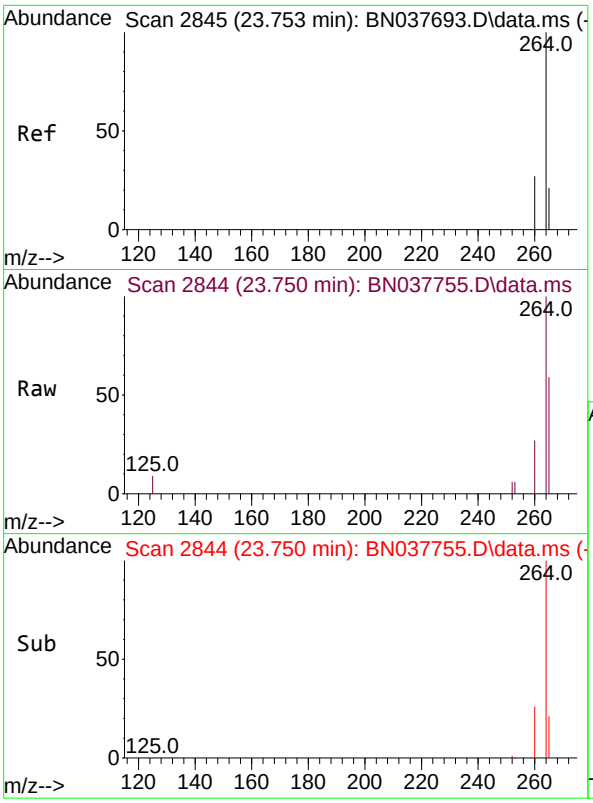


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.082 ng
RT: 21.340 min Scan# 2265
Delta R.T. -0.009 min
Lab File: BN037755.D
Acq: 17 Sep 2025 20:37

Tgt Ion:149 Resp: 1079

Ion	Ratio	Lower	Upper
149	100		
167	25.2	20.8	31.2
279	4.9	3.3	4.9



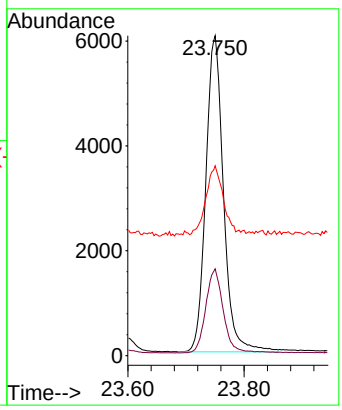


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.750 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN037755.D
Acq: 17 Sep 2025 20:37

Instrument :
BNA_N
ClientSampleId :
MW178I1-20250909

Tgt Ion:264 Resp: 12709

Ion	Ratio	Lower	Upper
264	100		
260	27.1	21.8	32.8
265	59.4	39.4	59.2#



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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	RE123D1-20250909	SDG No.:	Q3095
Lab Sample ID:	Q3095-14	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	970 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
BN037762.D	1	09/15/25 10:15	09/18/25 04:34	PB169692

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.74		0.070	0.21	0.21	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.30		30 - 150		75%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.37		30 - 150		93%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.32		55 - 111		79%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.31		53 - 106		79%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.37		58 - 132		93%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6990	7.833				
1146-65-2	Naphthalene-d8	18800	10.637				
15067-26-2	Acenaphthene-d10	8990	14.484				
1517-22-2	Phenanthrene-d10	16600	17.235				
1719-03-5	Chrysene-d12	14000	21.411				
1520-96-3	Perylene-d12	14300	23.744				

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\BN091725\
Data File : BN037762.D
Acq On : 18 Sep 2025 04:34
Operator : RC/JU
Sample : Q3095-14
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE123D1-20250909

Quant Time: Sep 18 05:29:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

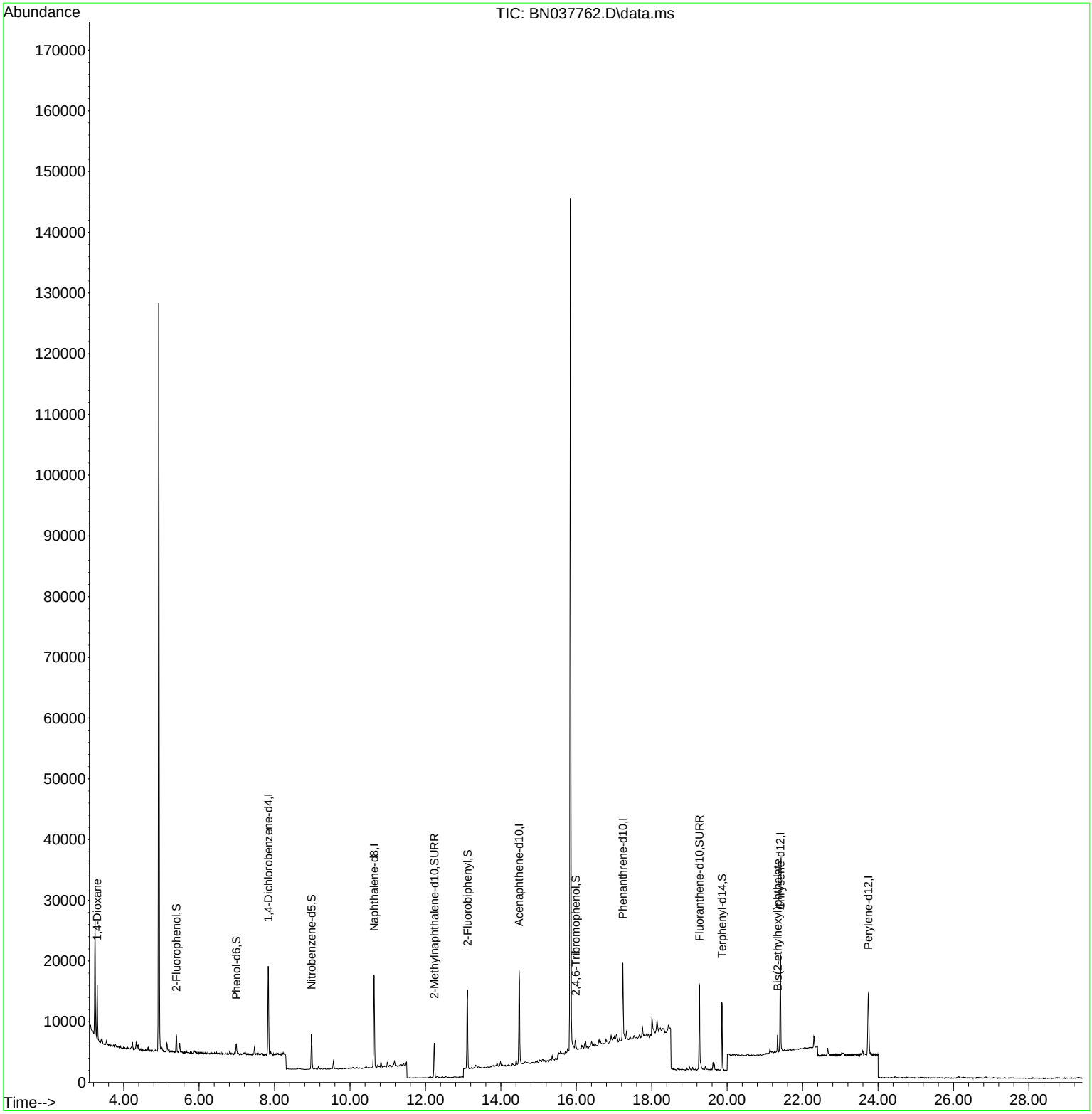
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.833	152	6993	0.400	ng	0.00
7) Naphthalene-d8	10.637	136	18780	0.400	ng	-0.01
13) Acenaphthene-d10	14.484	164	8989	0.400	ng	-0.01
19) Phenanthrene-d10	17.235	188	16581	0.400	ng	0.00
29) Chrysene-d12	21.411	240	13960	0.400	ng	# 0.00
35) Perylene-d12	23.744	264	14258	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.399	112	2224	0.139	ng	0.00
5) Phenol-d6	6.988	99	1599	0.077	ng	0.00
8) Nitrobenzene-d5	8.982	82	4348	0.317	ng	-0.01
11) 2-Methylnaphthalene-d10	12.232	152	7421	0.298	ng	-0.01
14) 2,4,6-Tribromophenol	15.982	330	878	0.374	ng	0.00
15) 2-Fluorobiphenyl	13.115	172	11793	0.314	ng	0.00
27) Fluoranthene-d10	19.266	212	15400	0.370	ng	0.00
31) Terphenyl-d14	19.861	244	10486	0.370	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.297	88	5205	0.715	ng	95
34) Bis(2-ethylhexyl)phtha...	21.339	149	2706	0.187	ng	99

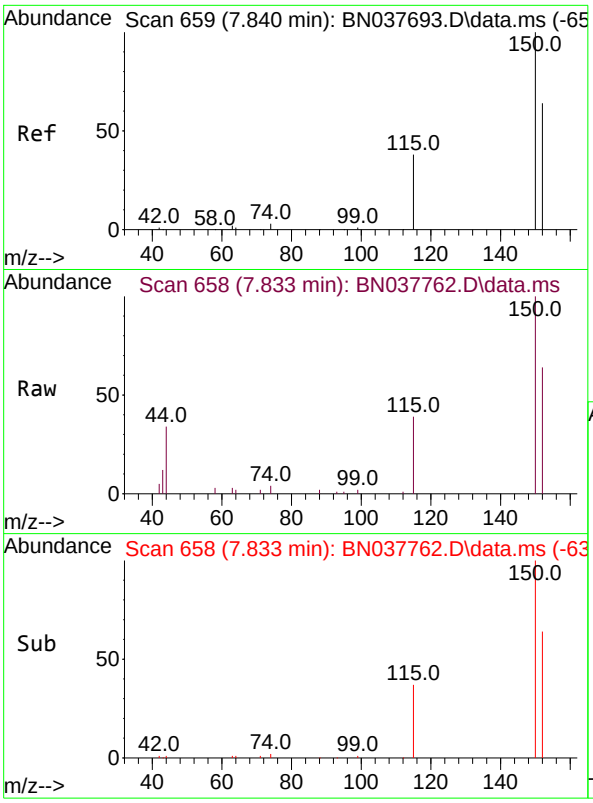
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091725\
Data File : BN037762.D
Acq On : 18 Sep 2025 04:34
Operator : RC/JU
Sample : Q3095-14
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE123D1-20250909

Quant Time: Sep 18 05:29:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration



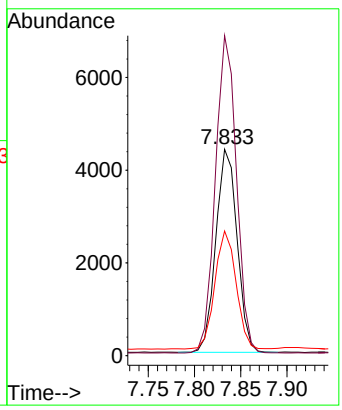


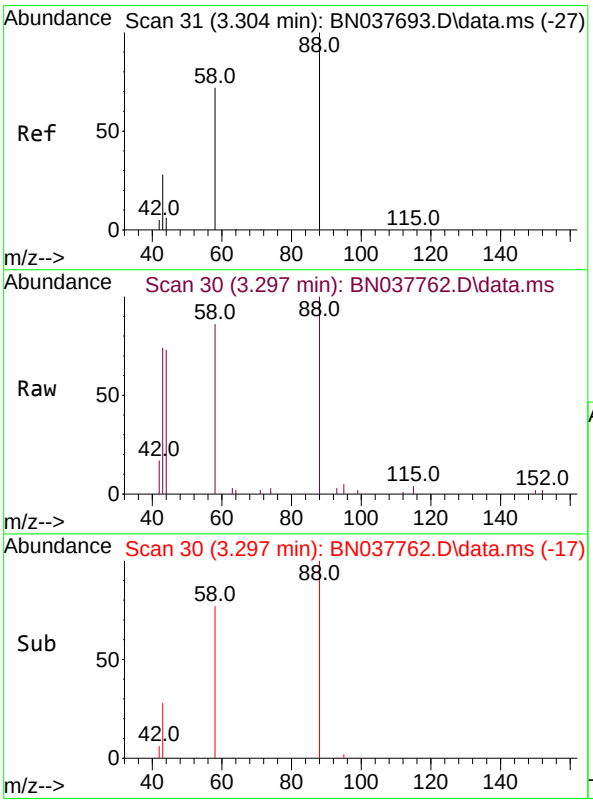
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.833 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN037762.D
Acq: 18 Sep 2025 04:34

Instrument :
BNA_N
ClientSampleId :
RE123D1-20250909

Tgt Ion:152 Resp: 6993

Ion	Ratio	Lower	Upper
152	100		
150	155.1	124.5	186.7
115	60.4	49.2	73.8

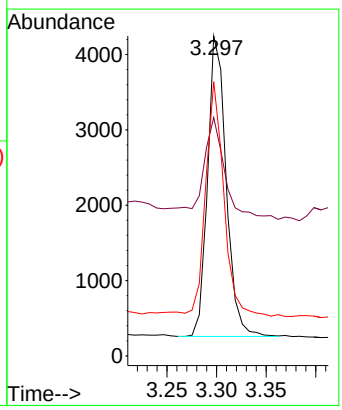


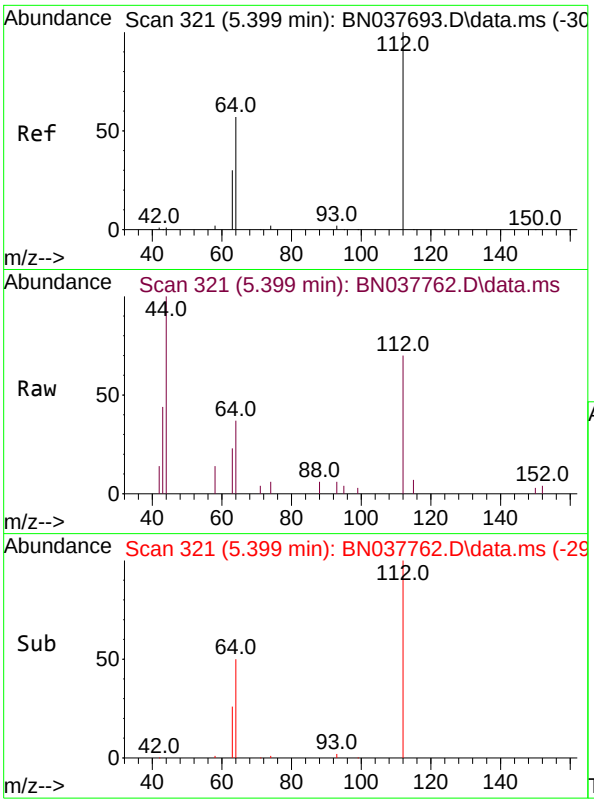


#2
1,4-Dioxane
Concen: 0.715 ng
RT: 3.297 min Scan# 30
Delta R.T. -0.007 min
Lab File: BN037762.D
Acq: 18 Sep 2025 04:34

Tgt Ion: 88 Resp: 5205

Ion	Ratio	Lower	Upper
88	100		
43	39.3	26.8	40.2
58	79.2	61.9	92.9



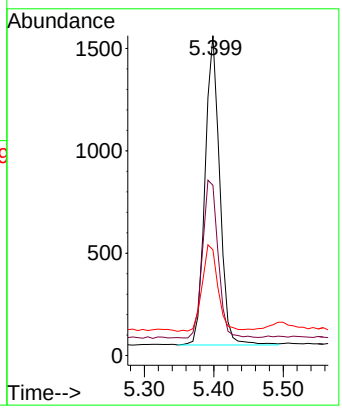


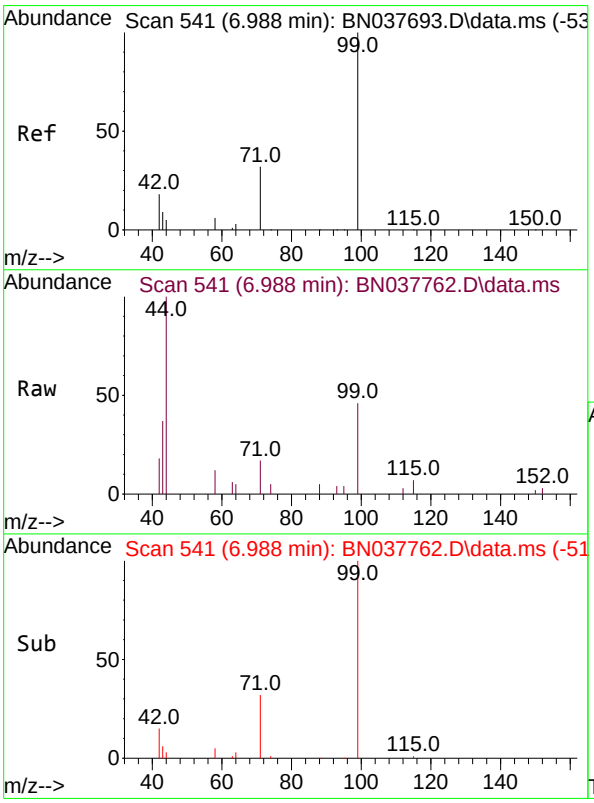
#4
2-Fluorophenol
Concen: 0.139 ng
RT: 5.399 min Scan# 3
Delta R.T. -0.000 min
Lab File: BN037762.D
Acq: 18 Sep 2025 04:34

Instrument :
BNA_N
ClientSampleId :
RE123D1-20250909

Tgt Ion:112 Resp: 2224

Ion	Ratio	Lower	Upper
112	100		
64	54.1	44.9	67.3
63	30.1	24.7	37.1

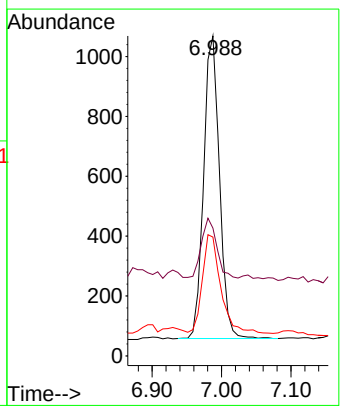


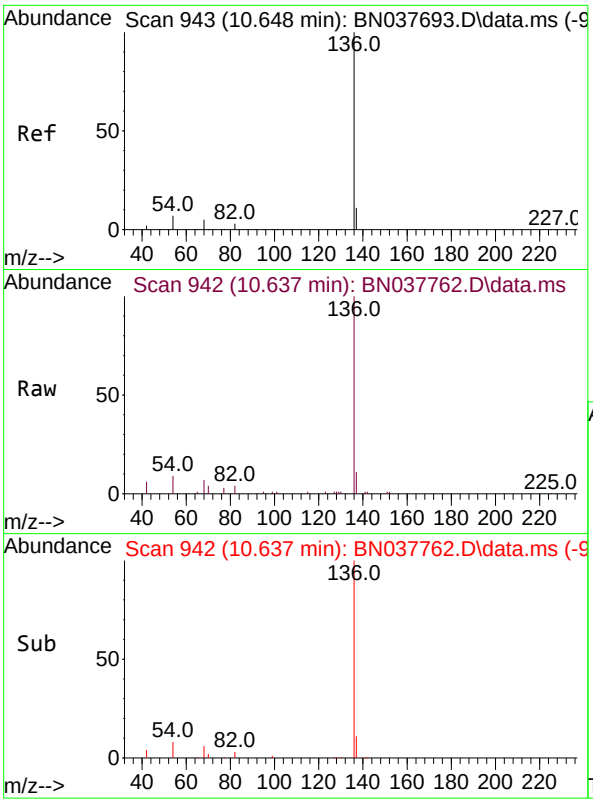


#5
Phenol-d6
Concen: 0.077 ng
RT: 6.988 min Scan# 541
Delta R.T. -0.000 min
Lab File: BN037762.D
Acq: 18 Sep 2025 04:34

Tgt Ion: 99 Resp: 1599

Ion	Ratio	Lower	Upper
99	100		
42	18.9	16.6	24.8
71	39.8	26.7	40.1



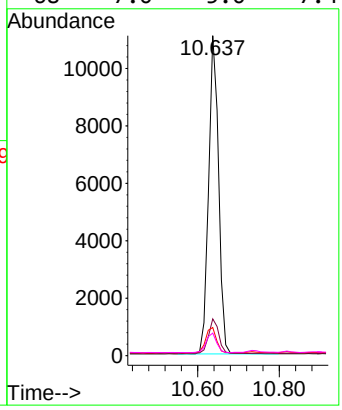


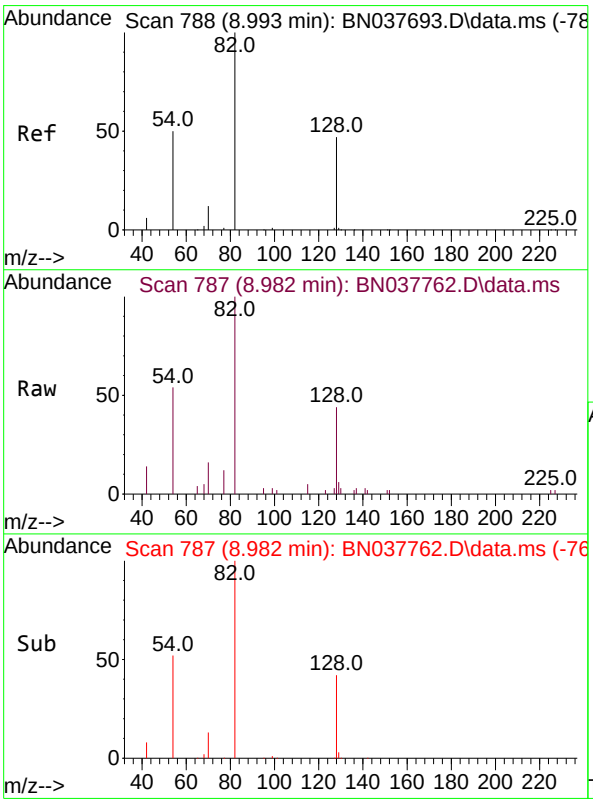
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.637 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037762.D
Acq: 18 Sep 2025 04:34

Instrument :
BNA_N
ClientSampleId :
RE123D1-20250909

Tgt Ion:136 Resp: 18780

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.1	13.7
54	8.8	6.3	9.5
68	7.0	5.0	7.4

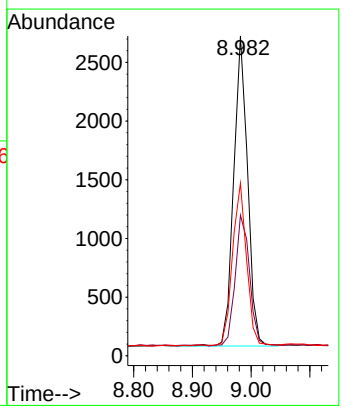


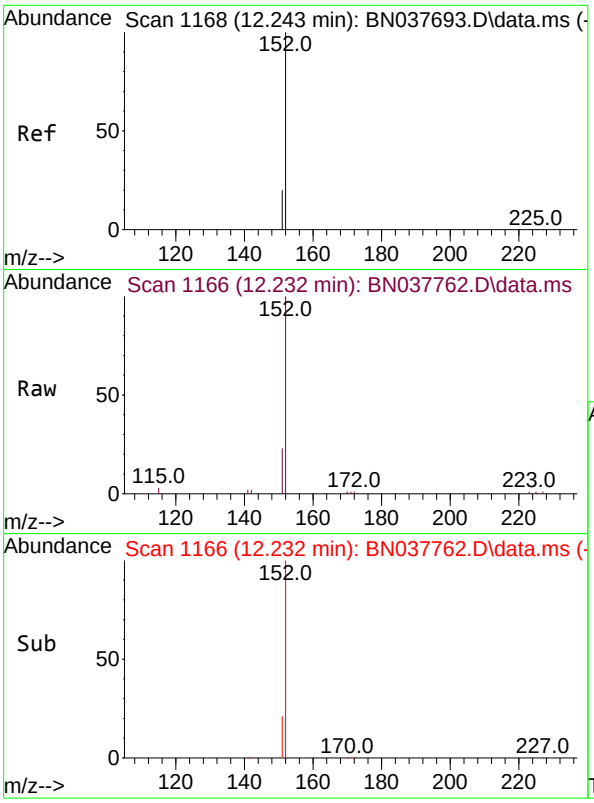


#8
Nitrobenzene-d5
Concen: 0.317 ng
RT: 8.982 min Scan# 787
Delta R.T. -0.011 min
Lab File: BN037762.D
Acq: 18 Sep 2025 04:34

Tgt Ion: 82 Resp: 4348

Ion	Ratio	Lower	Upper
82	100		
128	43.9	38.3	57.5
54	54.0	41.4	62.2



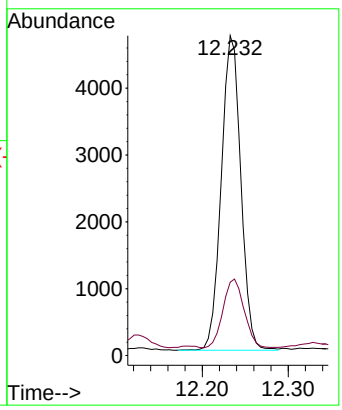


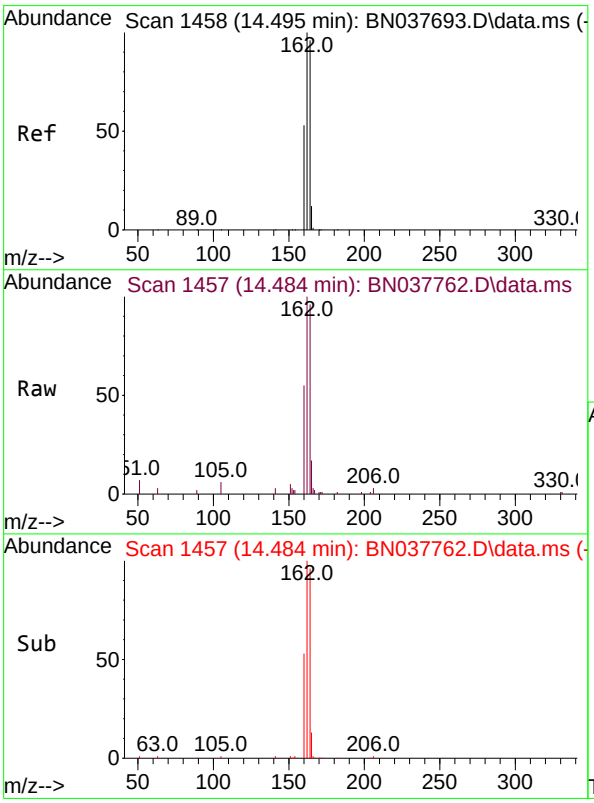
#11
2-Methylnaphthalene-d10
Concen: 0.298 ng
RT: 12.232 min Scan# 11
Delta R.T. -0.010 min
Lab File: BN037762.D
Acq: 18 Sep 2025 04:34

Instrument :
BNA_N
ClientSampleId :
RE123D1-20250909

Tgt Ion:152 Resp: 7421

Ion	Ratio	Lower	Upper
152	100		
151	23.7	17.0	25.6

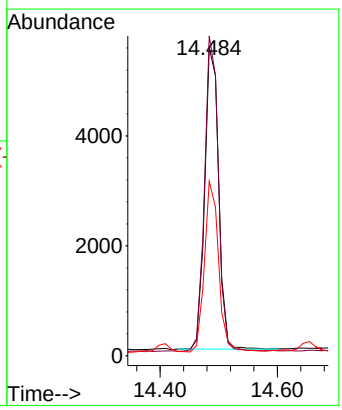


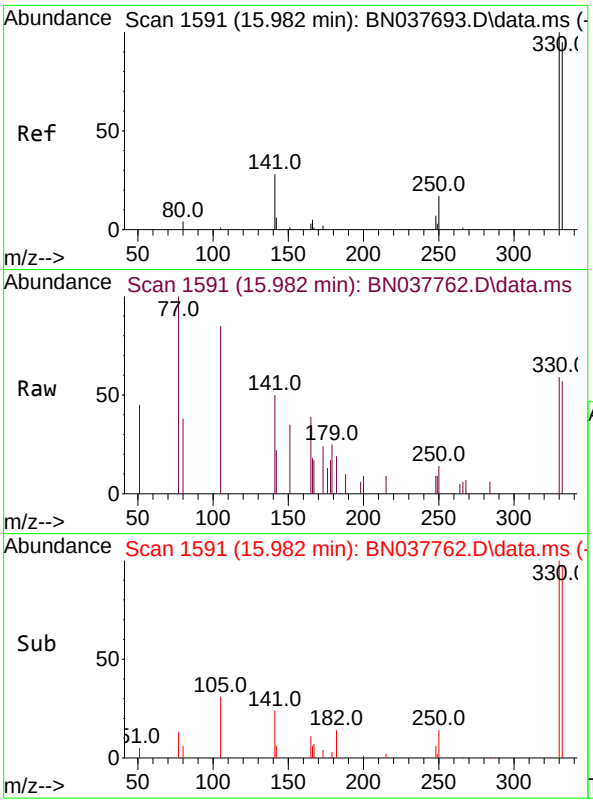


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.484 min Scan# 1457
Delta R.T. -0.011 min
Lab File: BN037762.D
Acq: 18 Sep 2025 04:34

Tgt Ion:164 Resp: 8989

Ion	Ratio	Lower	Upper
164	100		
162	103.8	83.1	124.7
160	56.6	44.3	66.5



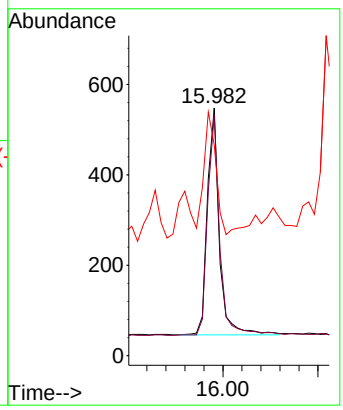


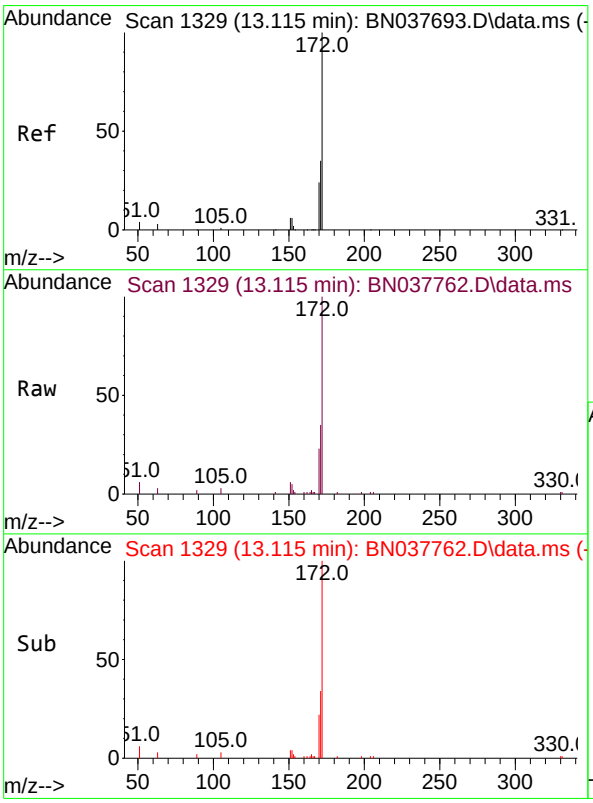
#14
2,4,6-Tribromophenol
Concen: 0.374 ng
RT: 15.982 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037762.D
Acq: 18 Sep 2025 04:34

Instrument :
BNA_N
ClientSampleId :
RE123D1-20250909

Tgt Ion:330 Resp: 878

Ion	Ratio	Lower	Upper
330	100		
332	98.3	75.3	112.9
141	48.7	35.0	52.4

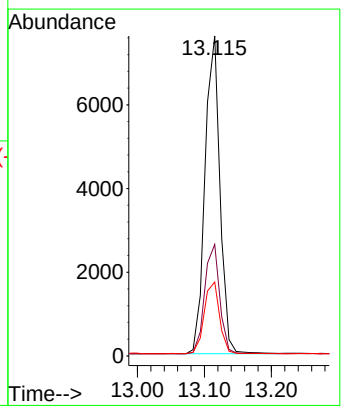


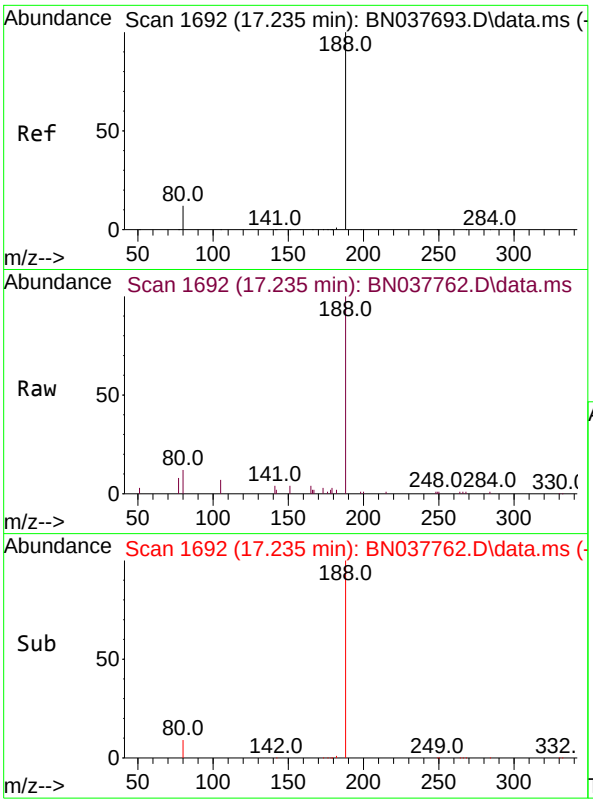


#15
2-Fluorobiphenyl
Concen: 0.314 ng
RT: 13.115 min Scan# 1329
Delta R.T. -0.000 min
Lab File: BN037762.D
Acq: 18 Sep 2025 04:34

Tgt Ion:172 Resp: 11793

Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.6	43.0
170	23.1	19.8	29.8



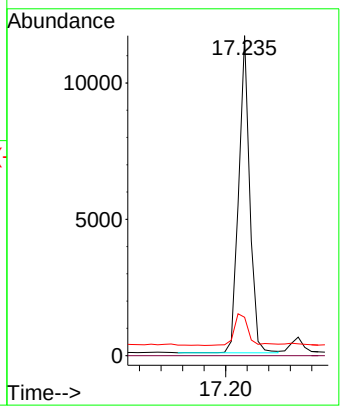


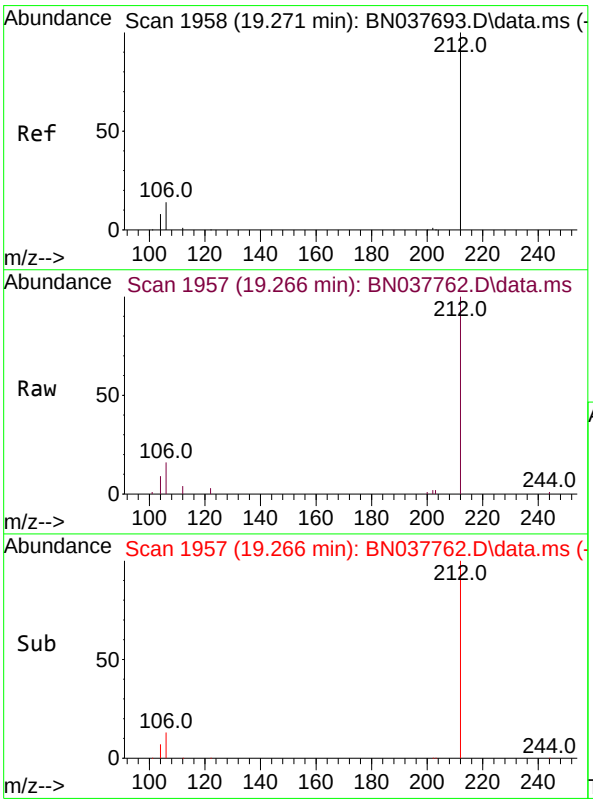
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.235 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037762.D
Acq: 18 Sep 2025 04:34

Instrument :
BNA_N
ClientSampleId :
RE123D1-20250909

Tgt Ion:188 Resp: 16581

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	12.0	10.6	15.8

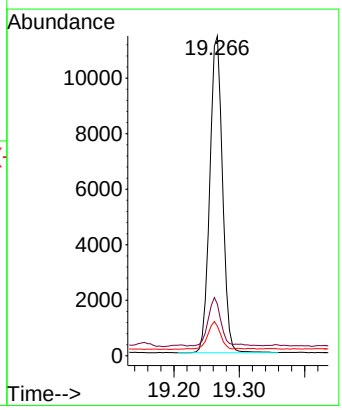


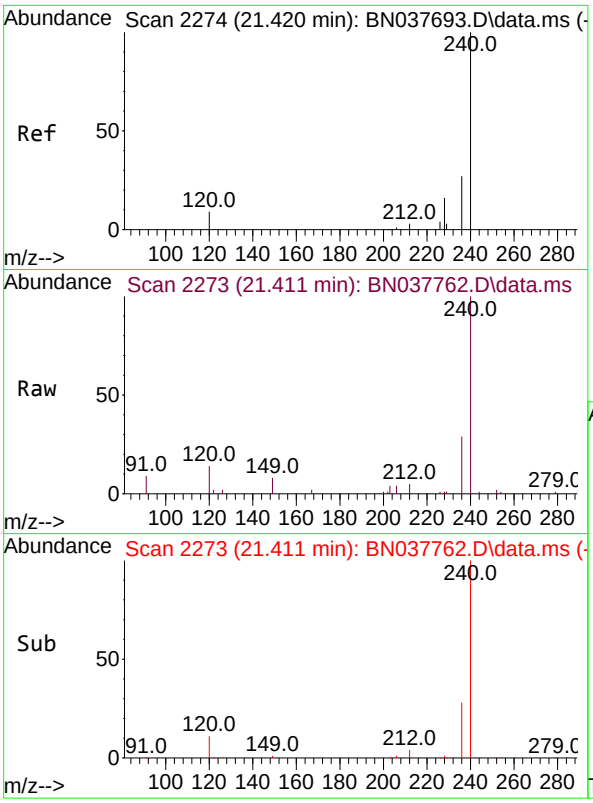


#27
Fluoranthene-d10
Concen: 0.370 ng
RT: 19.266 min Scan# 1957
Delta R.T. -0.005 min
Lab File: BN037762.D
Acq: 18 Sep 2025 04:34

Tgt Ion:212 Resp: 15400

Ion	Ratio	Lower	Upper
212	100		
106	15.6	12.2	18.2
104	8.8	6.9	10.3



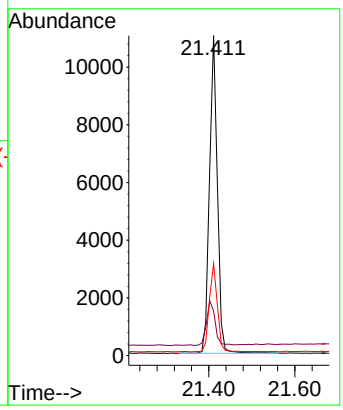


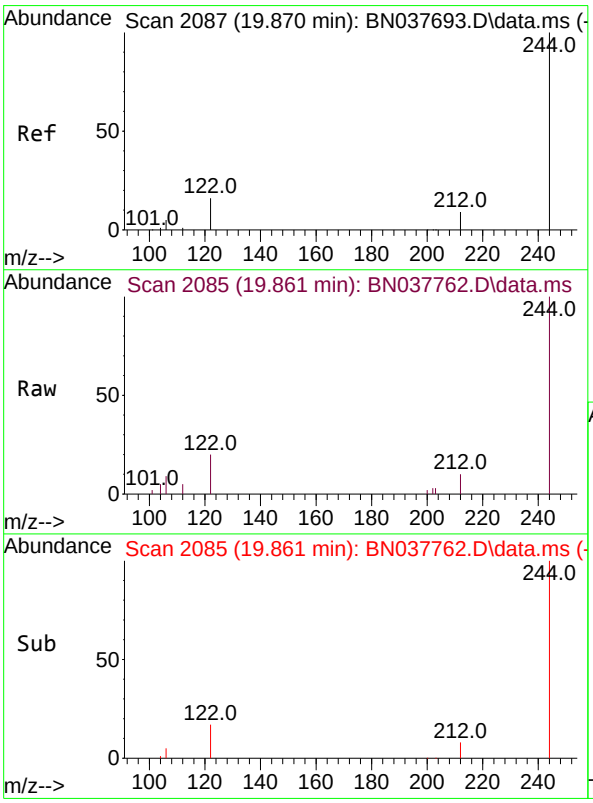
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.411 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN037762.D
Acq: 18 Sep 2025 04:34

Instrument :
BNA_N
ClientSampleId :
RE123D1-20250909

Tgt Ion:240 Resp: 13960

Ion	Ratio	Lower	Upper
240	100		
120	13.9	9.2	13.8#
236	28.7	22.6	33.8

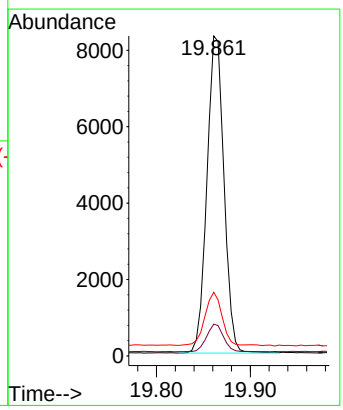


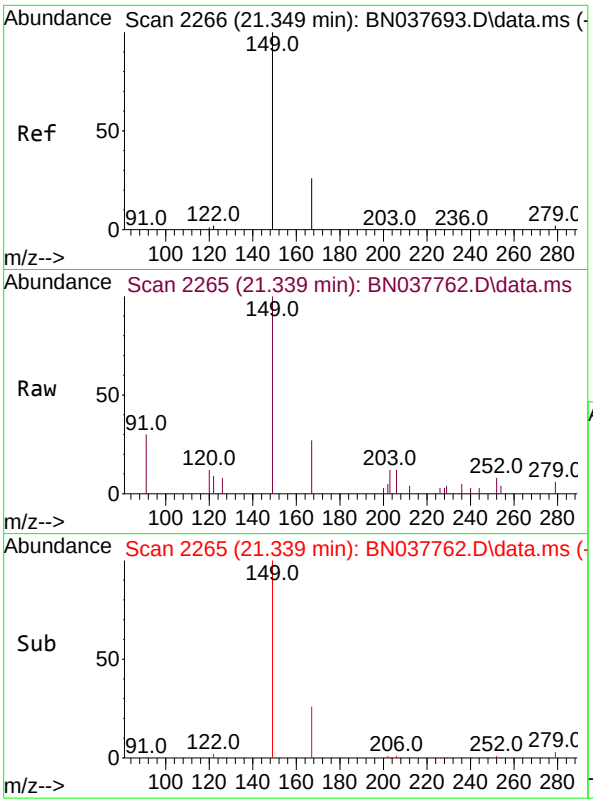


#31
Terphenyl-d14
Concen: 0.370 ng
RT: 19.861 min Scan# 2085
Delta R.T. -0.010 min
Lab File: BN037762.D
Acq: 18 Sep 2025 04:34

Tgt Ion:244 Resp: 10486

Ion	Ratio	Lower	Upper
244	100		
212	9.9	7.5	11.3
122	19.9	13.2	19.8#



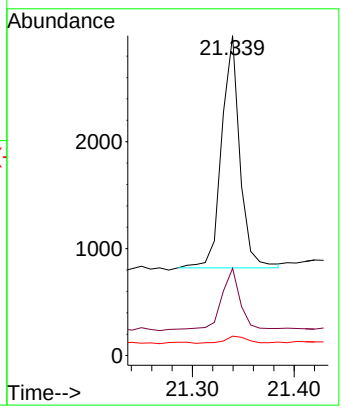


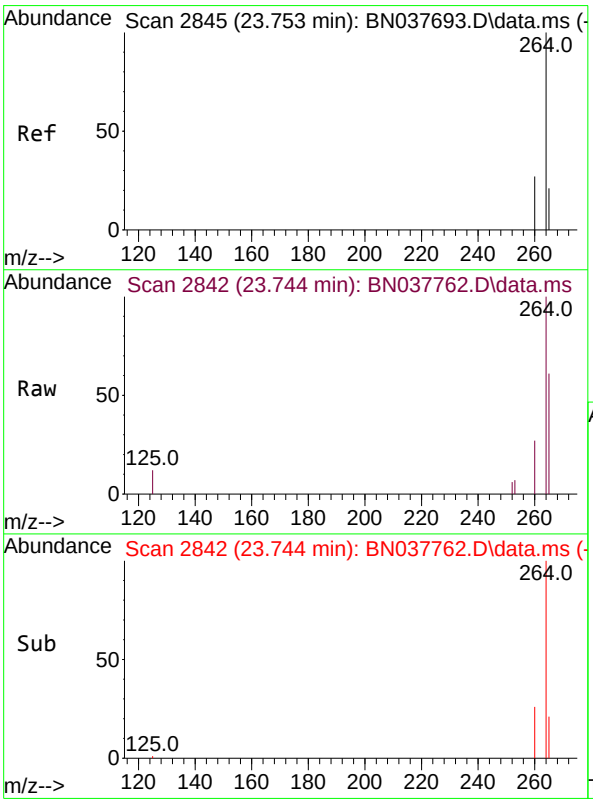
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.187 ng
RT: 21.339 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037762.D
Acq: 18 Sep 2025 04:34

Instrument :
BNA_N
ClientSampleId :
RE123D1-20250909

Tgt Ion:149 Resp: 2706

Ion	Ratio	Lower	Upper
149	100		
167	25.7	20.8	31.2
279	3.7	3.3	4.9

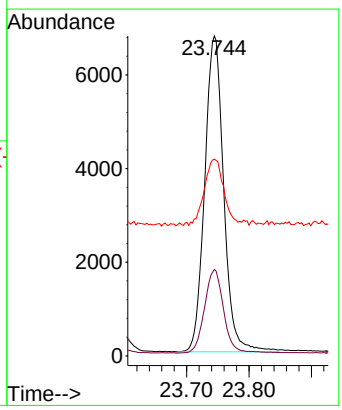




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.744 min Scan# 2842
Delta R.T. -0.009 min
Lab File: BN037762.D
Acq: 18 Sep 2025 04:34

Tgt Ion:264 Resp: 14258

Ion	Ratio	Lower	Upper
264	100		
260	27.0	21.8	32.8
265	61.5	39.4	59.2#



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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	RE123D3-20250909	SDG No.:	Q3095
Lab Sample ID:	Q3095-15	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
BN037763.D	1	09/15/25 10:15	09/18/25 05:10	PB169692

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	0.22		30 - 150		54%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.25		30 - 150		63%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.23		55 - 111		58%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.23		53 - 106		58%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.28		58 - 132		70%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7990	7.833				
1146-65-2	Naphthalene-d8	22100	10.637				
15067-26-2	Acenaphthene-d10	10300	14.484				
1517-22-2	Phenanthrene-d10	18300	17.235				
1719-03-5	Chrysene-d12	14400	21.411				
1520-96-3	Perylene-d12	14900	23.744				

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\BN091725\
Data File : BN037763.D
Acq On : 18 Sep 2025 05:10
Operator : RC/JU
Sample : Q3095-15
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE123D3-20250909

Quant Time: Sep 18 05:35:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

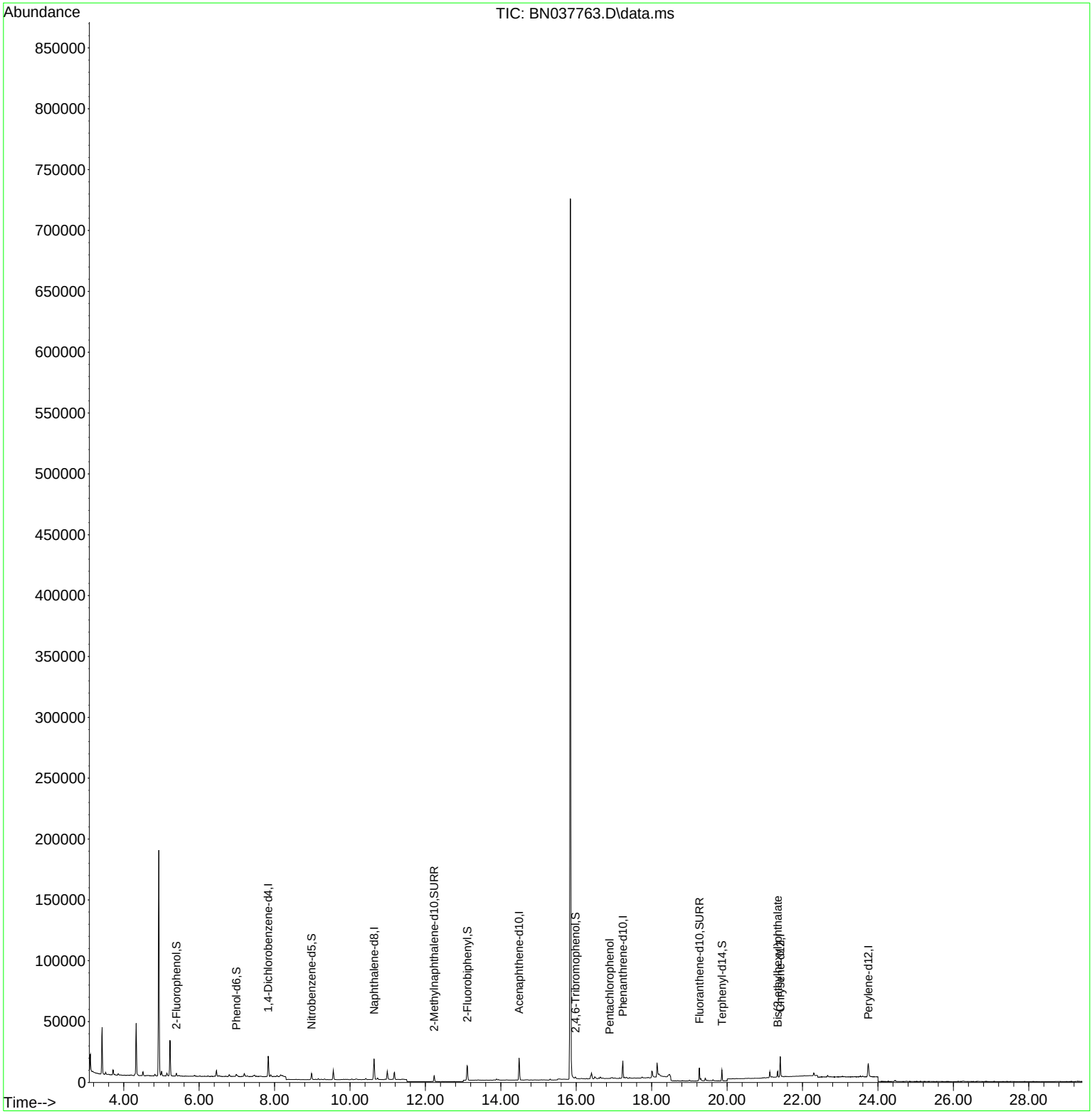
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.833	152	7985	0.400	ng	0.00
7) Naphthalene-d8	10.637	136	22130	0.400	ng	-0.01
13) Acenaphthene-d10	14.484	164	10297	0.400	ng	-0.01
19) Phenanthrene-d10	17.235	188	18311	0.400	ng	# 0.00
29) Chrysene-d12	21.411	240	14395	0.400	ng	0.00
35) Perylene-d12	23.744	264	14910	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.399	112	1925	0.105	ng	0.00
5) Phenol-d6	6.988	99	1623	0.068	ng	0.00
8) Nitrobenzene-d5	8.982	82	3752	0.232	ng	-0.01
11) 2-Methylnaphthalene-d10	12.233	152	6365	0.217	ng	-0.01
14) 2,4,6-Tribromophenol	15.982	330	707	0.263	ng	0.00
15) 2-Fluorobiphenyl	13.115	172	9995	0.232	ng	0.00
27) Fluoranthene-d10	19.266	212	11583	0.252	ng	0.00
31) Terphenyl-d14	19.861	244	8243	0.282	ng	0.00
Target Compounds						Qvalue
24) Pentachlorophenol	16.888	266	157	0.039	ng	# 86
34) Bis(2-ethylhexyl)phtha...	21.340	149	4799	0.322	ng	99

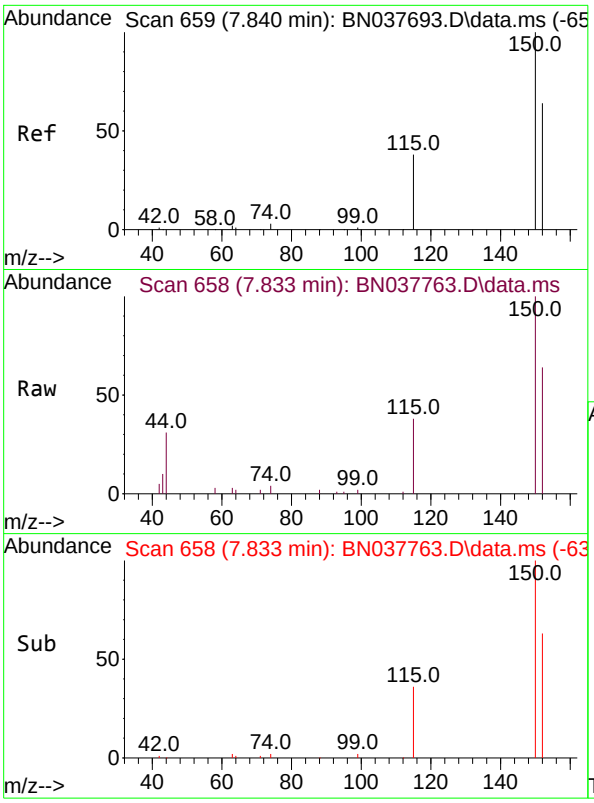
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091725\
Data File : BN037763.D
Acq On : 18 Sep 2025 05:10
Operator : RC/JU
Sample : Q3095-15
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE123D3-20250909

Quant Time: Sep 18 05:35:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration



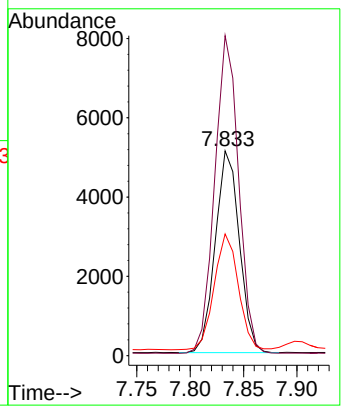


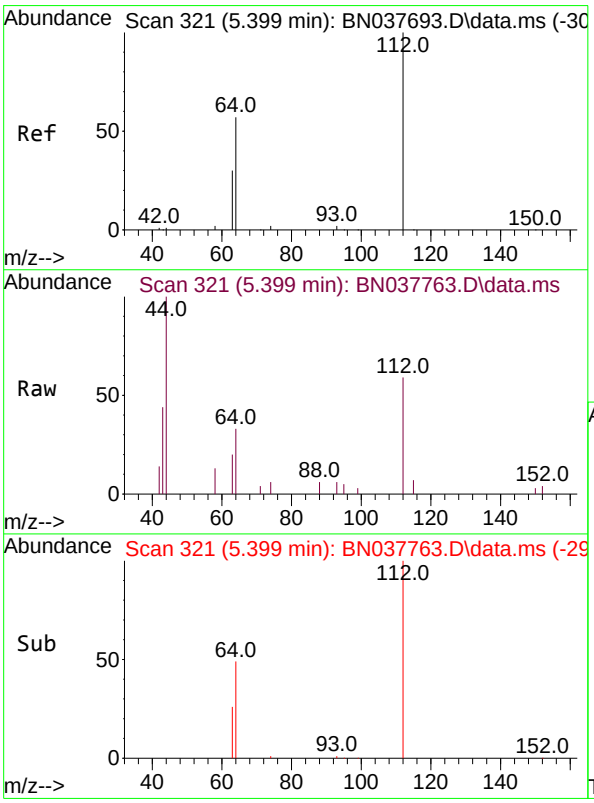
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.833 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN037763.D
Acq: 18 Sep 2025 05:10

Instrument :
BNA_N
ClientSampleId :
RE123D3-20250909

Tgt Ion:152 Resp: 7985

Ion	Ratio	Lower	Upper
152	100		
150	156.3	124.5	186.7
115	59.4	49.2	73.8

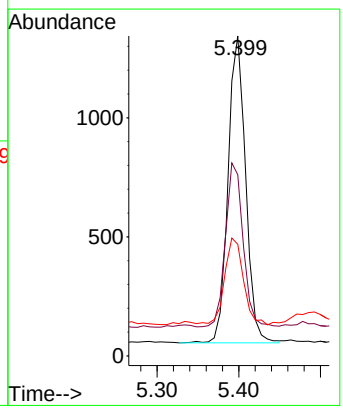


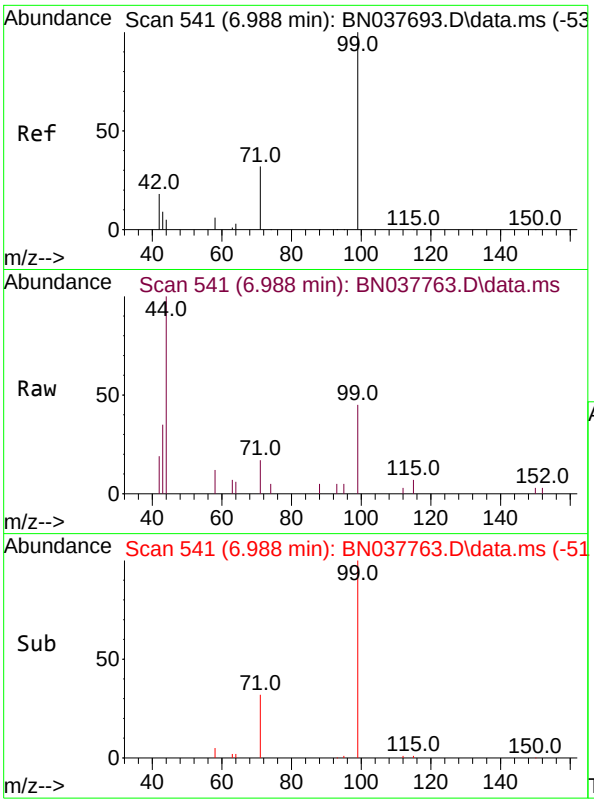


#4
2-Fluorophenol
Concen: 0.105 ng
RT: 5.399 min Scan# 321
Delta R.T. -0.000 min
Lab File: BN037763.D
Acq: 18 Sep 2025 05:10

Tgt Ion:112 Resp: 1925

Ion	Ratio	Lower	Upper
112	100		
64	53.8	44.9	67.3
63	30.4	24.7	37.1



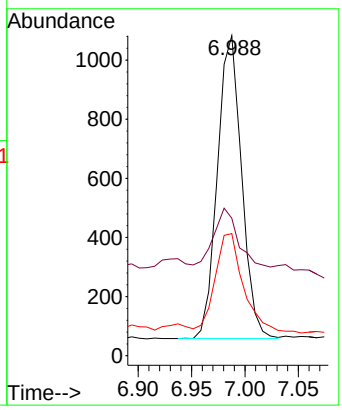


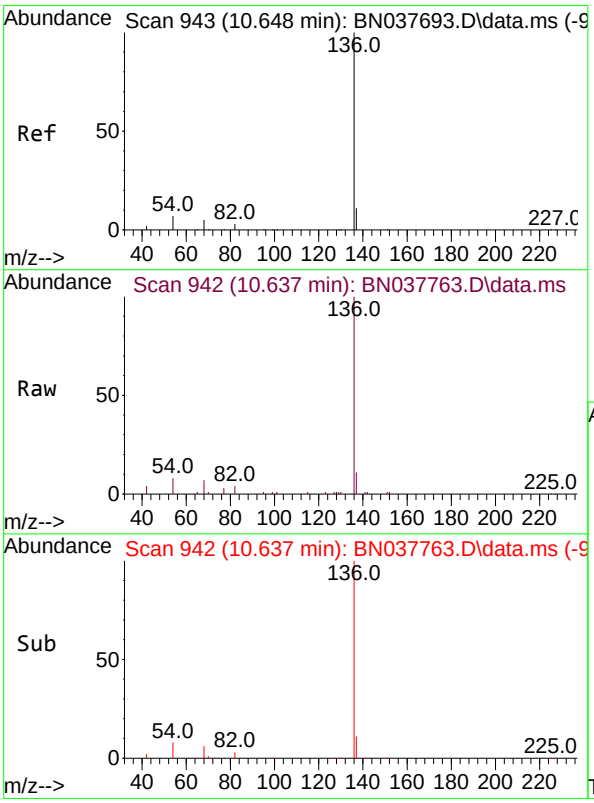
#5
Phenol-d6
Concen: 0.068 ng
RT: 6.988 min Scan# 54
Delta R.T. -0.000 min
Lab File: BN037763.D
Acq: 18 Sep 2025 05:10

Instrument :
BNA_N
ClientSampleId :
RE123D3-20250909

Tgt Ion: 99 Resp: 1623

Ion	Ratio	Lower	Upper
99	100		
42	33.7	16.6	24.8#
71	38.8	26.7	40.1

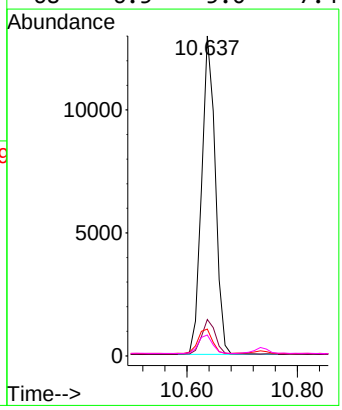


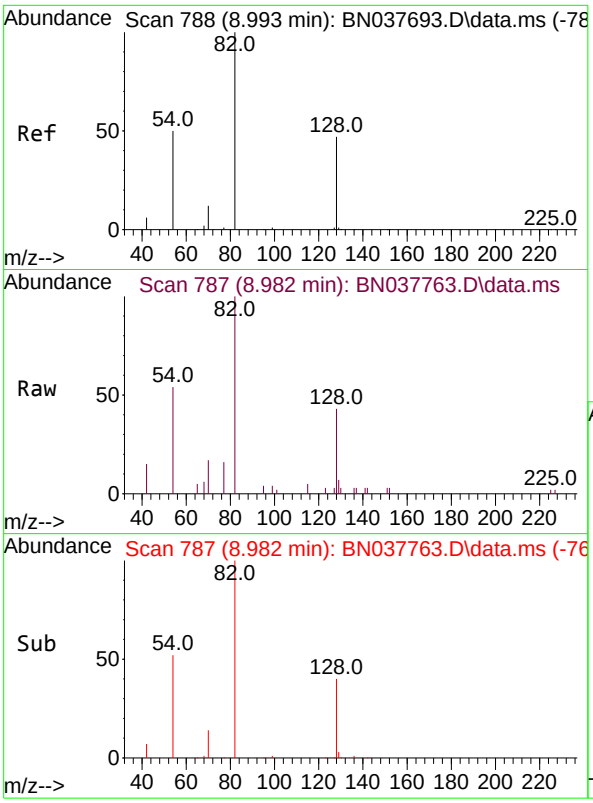


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.637 min Scan# 942
Delta R.T. -0.011 min
Lab File: BN037763.D
Acq: 18 Sep 2025 05:10

Tgt Ion:136 Resp: 22130

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	8.4	6.3	9.5
68	6.5	5.0	7.4



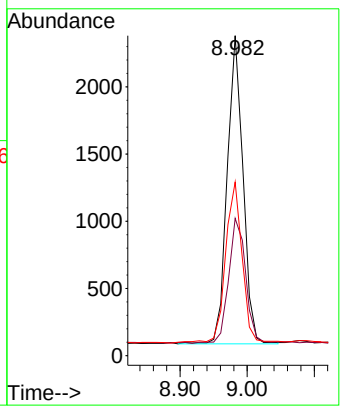


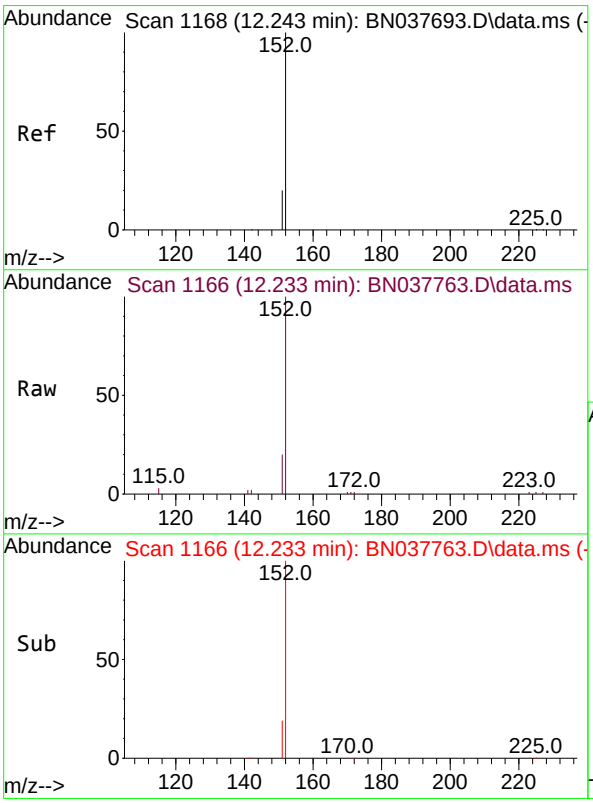
#8
Nitrobenzene-d5
Concen: 0.232 ng
RT: 8.982 min Scan# 78
Delta R.T. -0.011 min
Lab File: BN037763.D
Acq: 18 Sep 2025 05:10

Instrument :
BNA_N
ClientSampleId :
RE123D3-20250909

Tgt Ion: 82 Resp: 3752

Ion	Ratio	Lower	Upper
82	100		
128	42.9	38.3	57.5
54	54.2	41.4	62.2

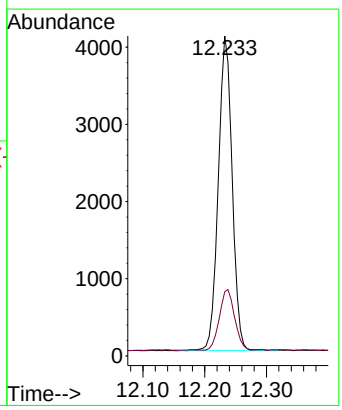


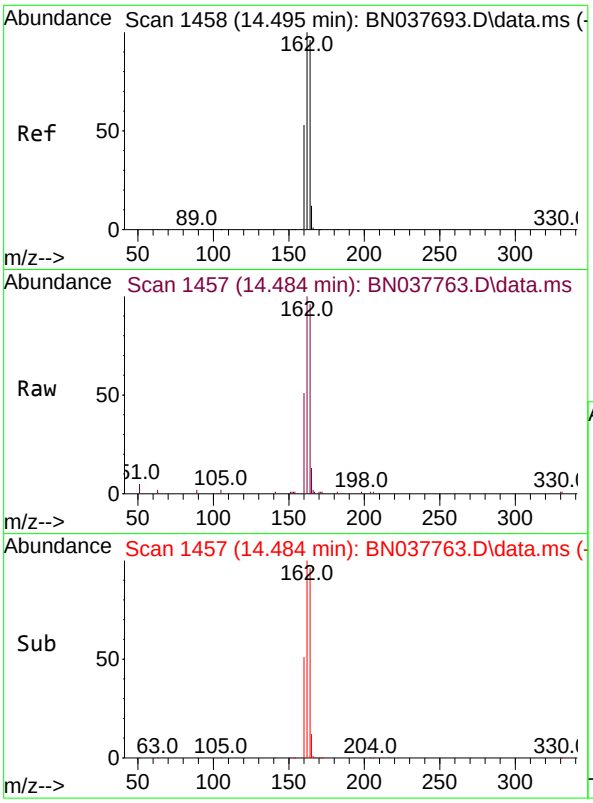


#11
2-Methylnaphthalene-d10
Concen: 0.217 ng
RT: 12.233 min Scan# 1166
Delta R.T. -0.010 min
Lab File: BN037763.D
Acq: 18 Sep 2025 05:10

Tgt Ion:152 Resp: 6365

Ion	Ratio	Lower	Upper
152	100		
151	20.9	17.0	25.6



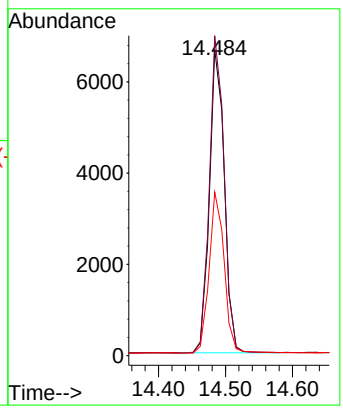


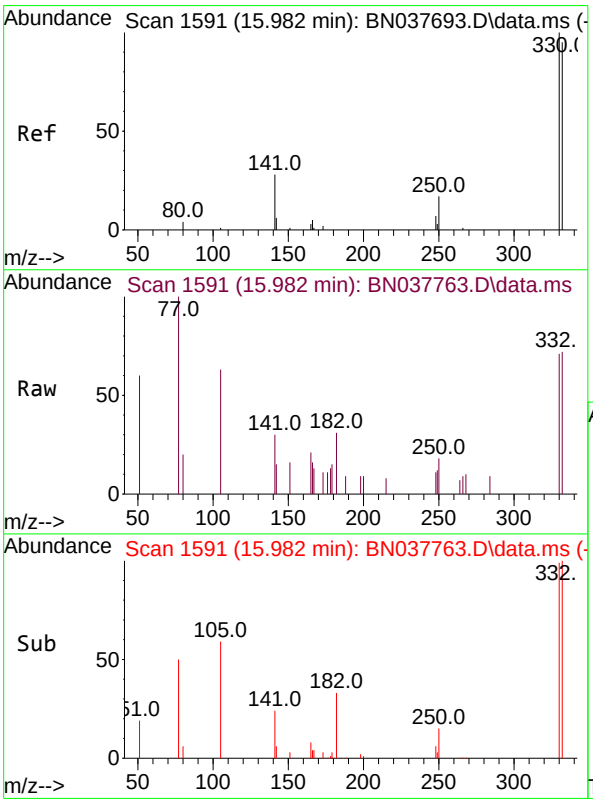
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.484 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN037763.D
Acq: 18 Sep 2025 05:10

Instrument :
BNA_N
ClientSampleId :
RE123D3-20250909

Tgt Ion:164 Resp: 10297

Ion	Ratio	Lower	Upper
164	100		
162	104.5	83.1	124.7
160	53.4	44.3	66.5

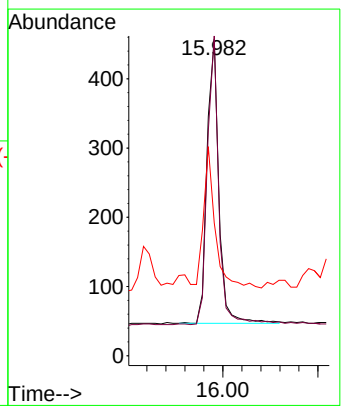


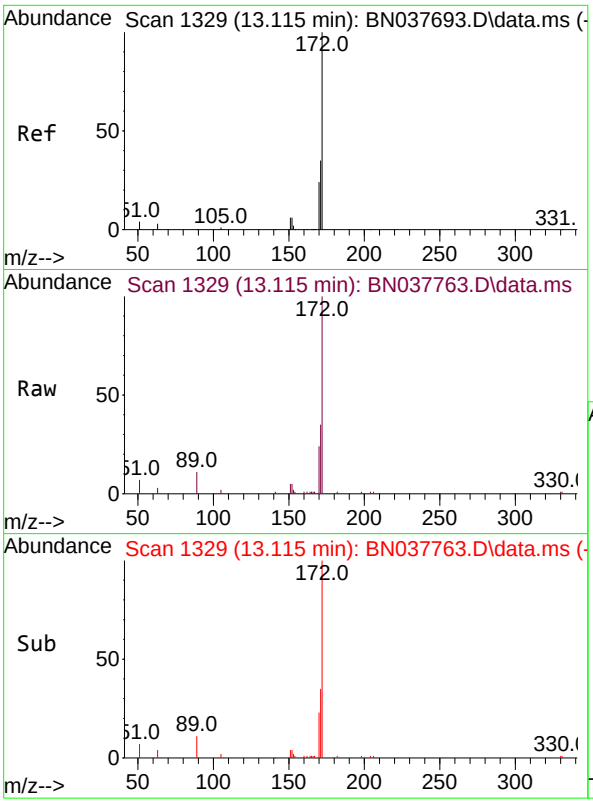


#14
2,4,6-Tribromophenol
Concen: 0.263 ng
RT: 15.982 min Scan# 1591
Delta R.T. -0.000 min
Lab File: BN037763.D
Acq: 18 Sep 2025 05:10

Tgt Ion:330 Resp: 707

Ion	Ratio	Lower	Upper
330	100		
332	98.4	75.3	112.9
141	50.2	35.0	52.4



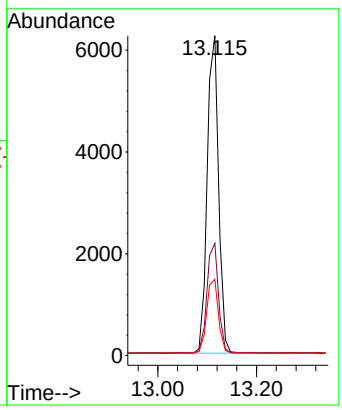


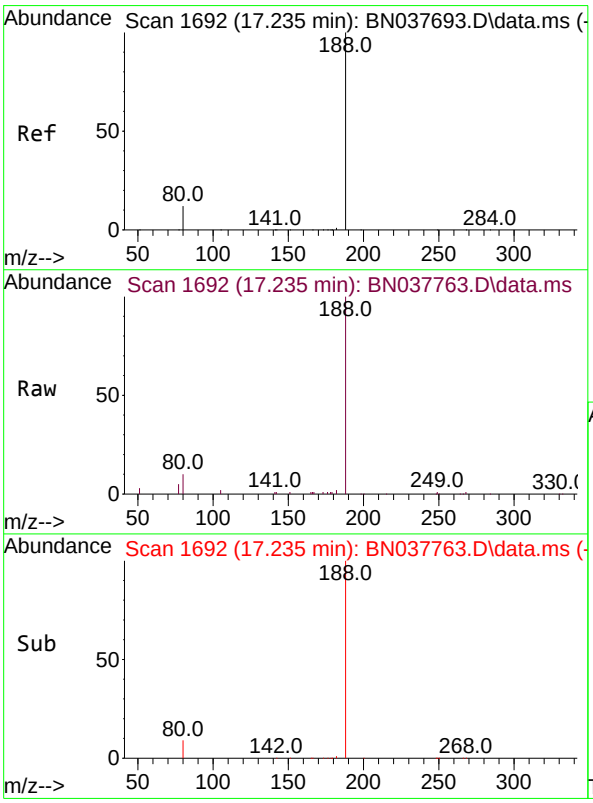
#15
2-Fluorobiphenyl
Concen: 0.232 ng
RT: 13.115 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037763.D
Acq: 18 Sep 2025 05:10

Instrument :
BNA_N
ClientSampleId :
RE123D3-20250909

Tgt Ion:172 Resp: 9995

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.6	43.0
170	23.8	19.8	29.8

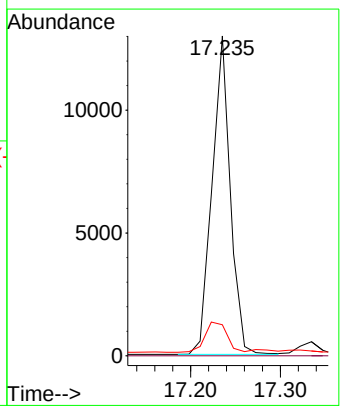


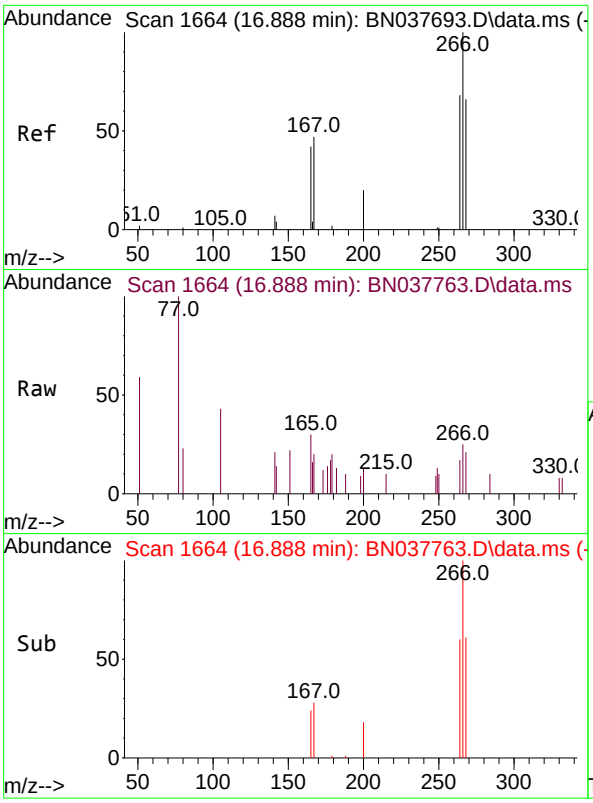


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.235 min Scan# 1692
Delta R.T. -0.000 min
Lab File: BN037763.D
Acq: 18 Sep 2025 05:10

Tgt Ion:188 Resp: 18311

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.7	10.6	15.8#



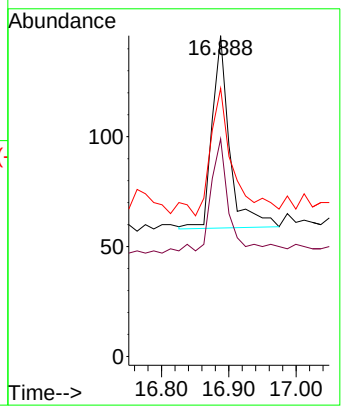


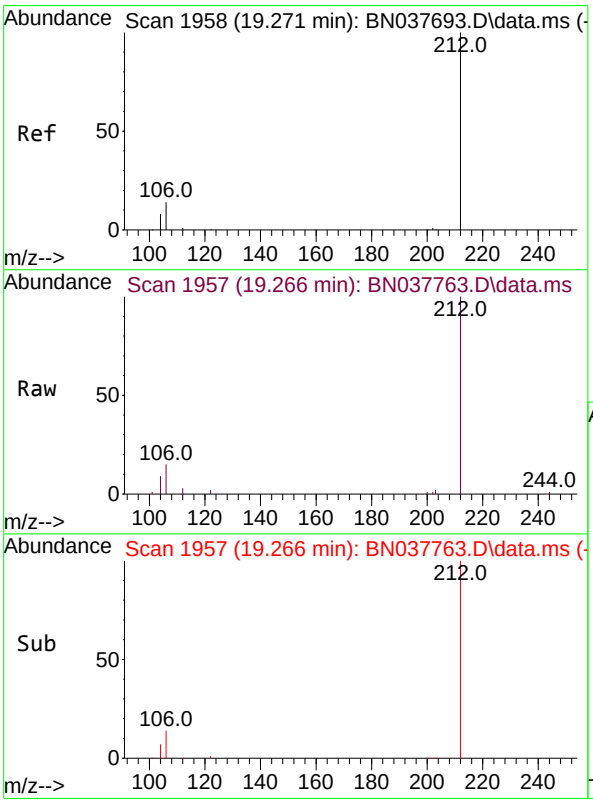
#24
Pentachlorophenol
Concen: 0.039 ng
RT: 16.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037763.D
Acq: 18 Sep 2025 05:10

Instrument :
BNA_N
ClientSampleId :
RE123D3-20250909

Tgt Ion:266 Resp: 157

Ion	Ratio	Lower	Upper
266	100		
264	67.5	51.6	77.4
268	85.4	53.2	79.8#

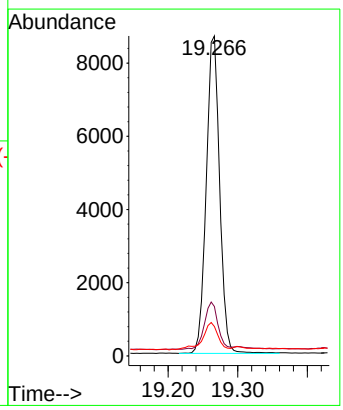


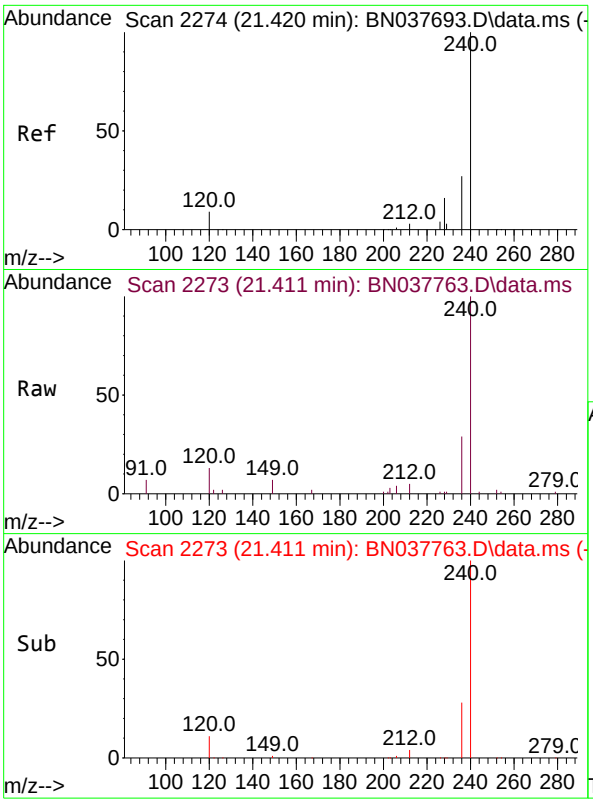


#27
Fluoranthene-d10
Concen: 0.252 ng
RT: 19.266 min Scan# 1957
Delta R.T. -0.005 min
Lab File: BN037763.D
Acq: 18 Sep 2025 05:10

Tgt Ion:212 Resp: 11583

Ion	Ratio	Lower	Upper
212	100		
106	15.2	12.2	18.2
104	9.8	6.9	10.3



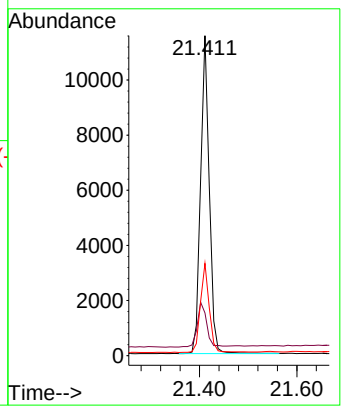


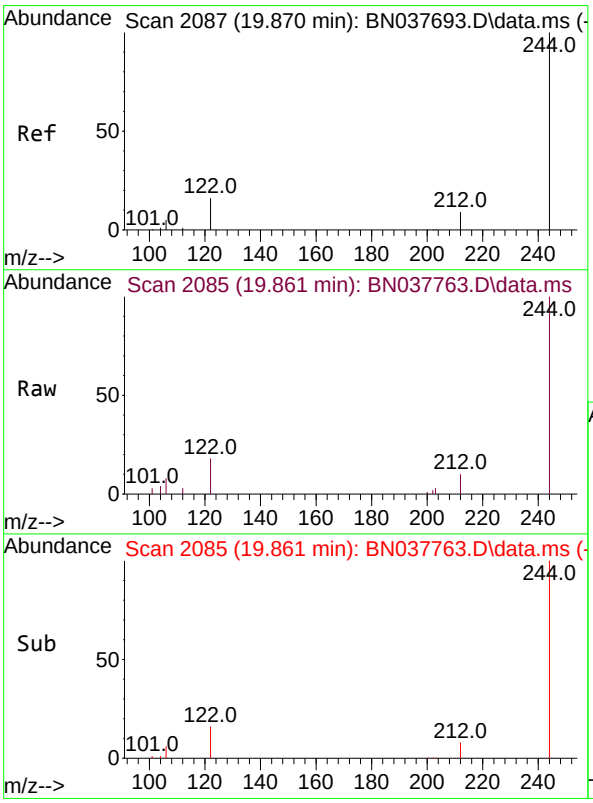
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.411 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN037763.D
Acq: 18 Sep 2025 05:10

Instrument :
BNA_N
ClientSampleId :
RE123D3-20250909

Tgt Ion:240 Resp: 14395

Ion	Ratio	Lower	Upper
240	100		
120	13.4	9.2	13.8
236	28.8	22.6	33.8

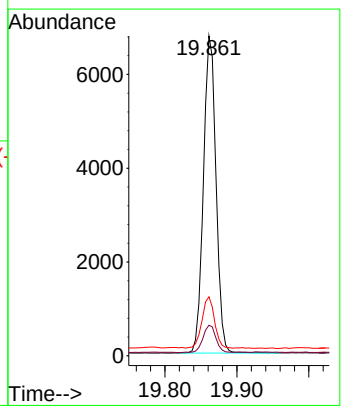


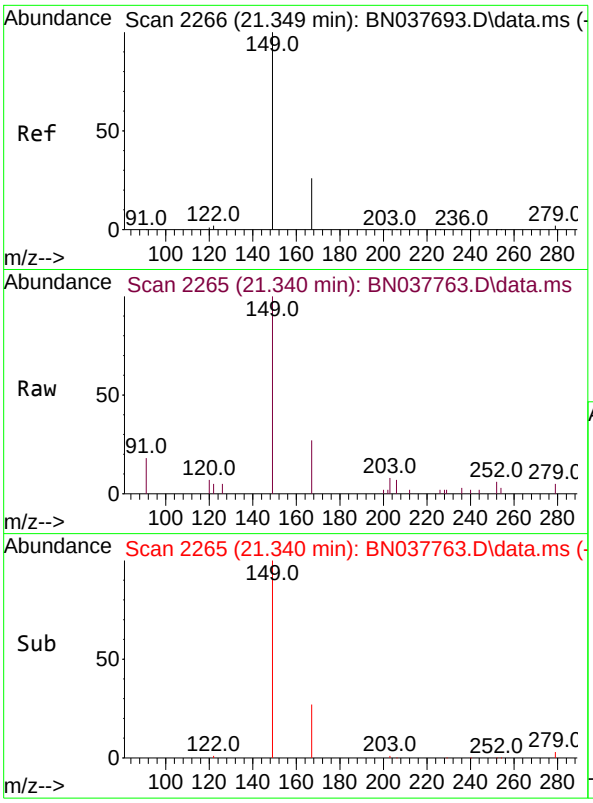


#31
Terphenyl-d14
Concen: 0.282 ng
RT: 19.861 min Scan# 2085
Delta R.T. -0.009 min
Lab File: BN037763.D
Acq: 18 Sep 2025 05:10

Tgt Ion:244 Resp: 8243

Ion	Ratio	Lower	Upper
244	100		
212	9.6	7.5	11.3
122	18.5	13.2	19.8



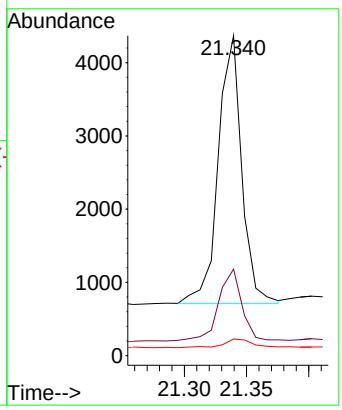


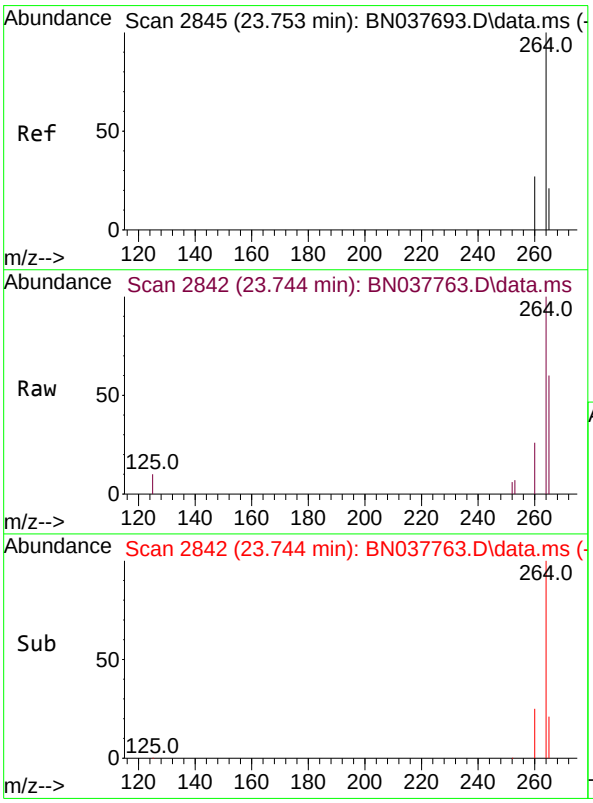
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.322 ng
RT: 21.340 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN037763.D
Acq: 18 Sep 2025 05:10

Instrument :
BNA_N
ClientSampleId :
RE123D3-20250909

Tgt Ion:149 Resp: 4799

Ion	Ratio	Lower	Upper
149	100		
167	26.8	20.8	31.2
279	4.3	3.3	4.9

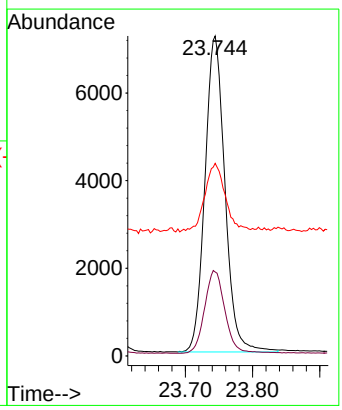




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.744 min Scan# 2842
Delta R.T. -0.009 min
Lab File: BN037763.D
Acq: 18 Sep 2025 05:10

Tgt Ion:264 Resp: 14910

Ion	Ratio	Lower	Upper
264	100		
260	26.2	21.8	32.8
265	60.2	39.4	59.2#



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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	MW305D-20250909	SDG No.:	Q3095
Lab Sample ID:	Q3095-16	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
BN037764.D	1	09/15/25 10:15	09/18/25 05:46	PB169692

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.53		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	0.38		30 - 150		96%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.31		55 - 111		79%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.31		53 - 106		77%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.39		58 - 132		97%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7660	7.833				
1146-65-2	Naphthalene-d8	21200	10.637				
15067-26-2	Acenaphthene-d10	9850	14.484				
1517-22-2	Phenanthrene-d10	18500	17.235				
1719-03-5	Chrysene-d12	16400	21.411				
1520-96-3	Perylene-d12	17100	23.744				

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\BN091725\
Data File : BN037764.D
Acq On : 18 Sep 2025 05:46
Operator : RC/JU
Sample : Q3095-16
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW305D-20250909

Quant Time: Sep 18 07:54:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

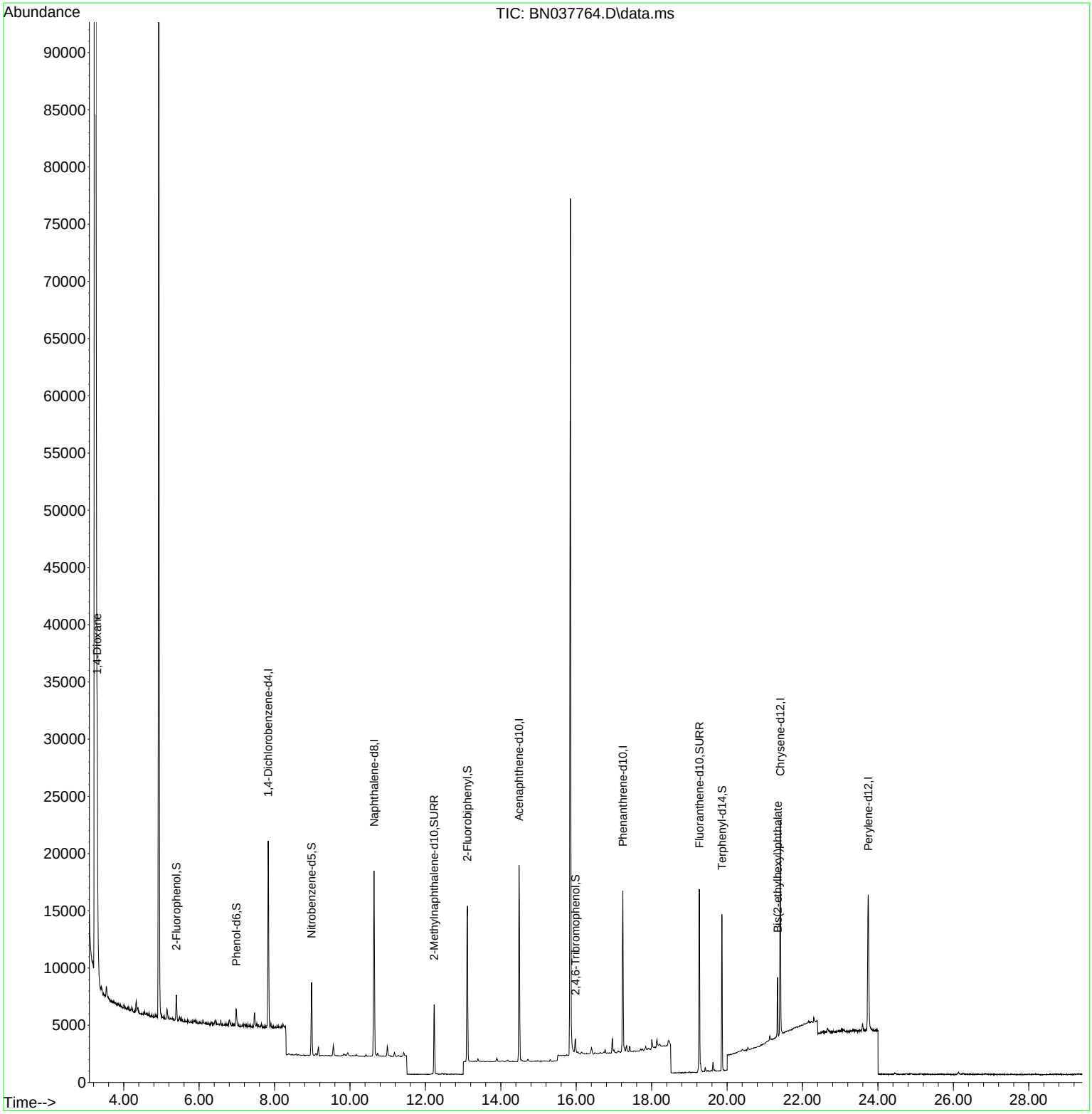
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.833	152	7657	0.400	ng	0.00
7) Naphthalene-d8	10.637	136	21168	0.400	ng	-0.01
13) Acenaphthene-d10	14.484	164	9850	0.400	ng	-0.01
19) Phenanthrene-d10	17.235	188	18466	0.400	ng	# 0.00
29) Chrysene-d12	21.411	240	16400	0.400	ng	0.00
35) Perylene-d12	23.744	264	17053	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.399	112	1748	0.099	ng	0.00
5) Phenol-d6	6.988	99	1348	0.059	ng	0.00
8) Nitrobenzene-d5	8.982	82	4861	0.314	ng	-0.01
11) 2-Methylnaphthalene-d10	12.233	152	8118	0.289	ng	-0.01
14) 2,4,6-Tribromophenol	15.982	330	816	0.318	ng	0.00
15) 2-Fluorobiphenyl	13.115	172	12714	0.309	ng	0.00
27) Fluoranthene-d10	19.266	212	17805	0.384	ng	0.00
31) Terphenyl-d14	19.861	244	12957	0.389	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.297	88	4227	0.530	ng	# 93
34) Bis(2-ethylhexyl)phtha...	21.340	149	4749	0.280	ng	# 99

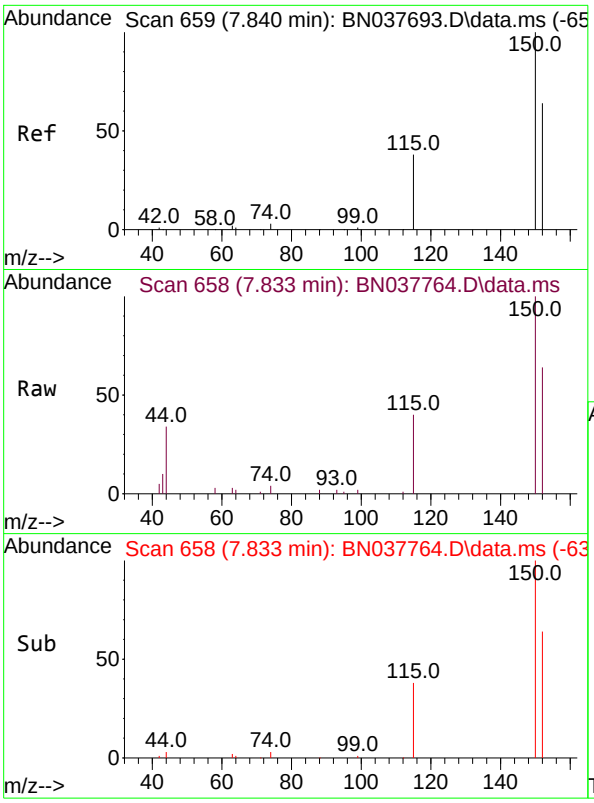
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091725\
Data File : BN037764.D
Acq On : 18 Sep 2025 05:46
Operator : RC/JU
Sample : Q3095-16
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW305D-20250909

Quant Time: Sep 18 07:54:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration



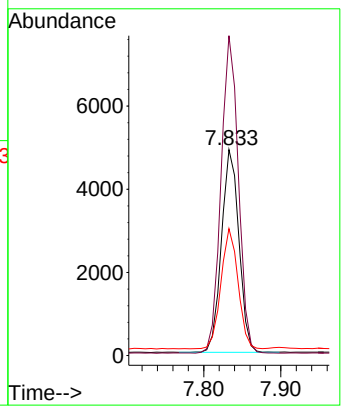


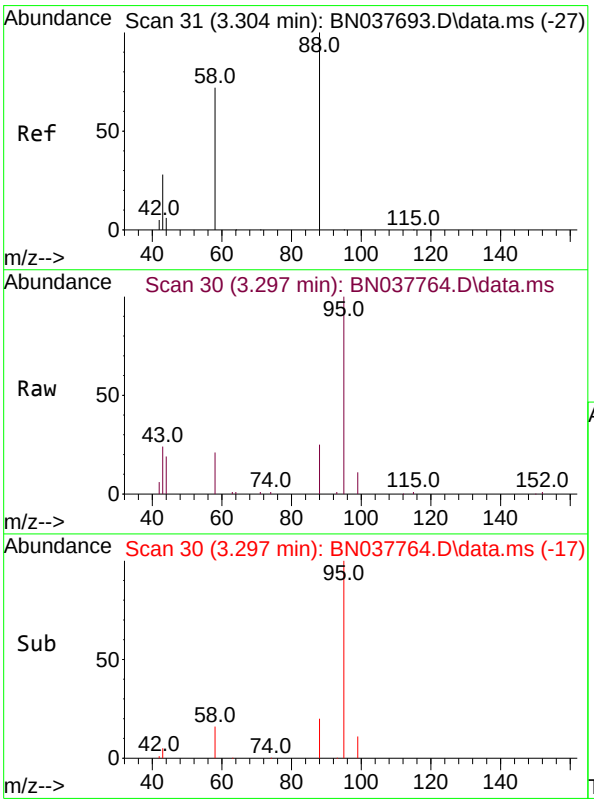
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.833 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN037764.D
Acq: 18 Sep 2025 05:46

Instrument :
BNA_N
ClientSampleId :
MW305D-20250909

Tgt Ion:152 Resp: 7657

Ion	Ratio	Lower	Upper
152	100		
150	155.3	124.5	186.7
115	61.6	49.2	73.8

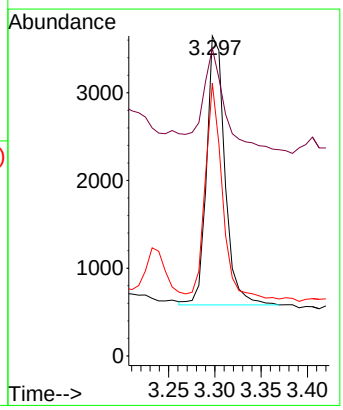


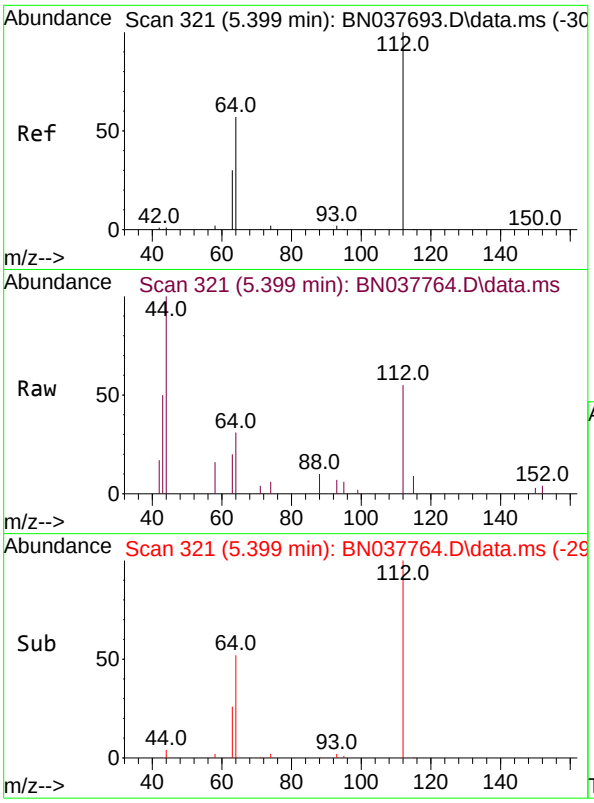


#2
1,4-Dioxane
Concen: 0.530 ng
RT: 3.297 min Scan# 30
Delta R.T. -0.007 min
Lab File: BN037764.D
Acq: 18 Sep 2025 05:46

Tgt Ion: 88 Resp: 4227

Ion	Ratio	Lower	Upper
88	100		
43	43.3	26.8	40.2#
58	74.8	61.9	92.9



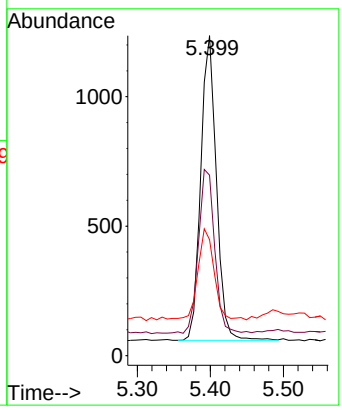


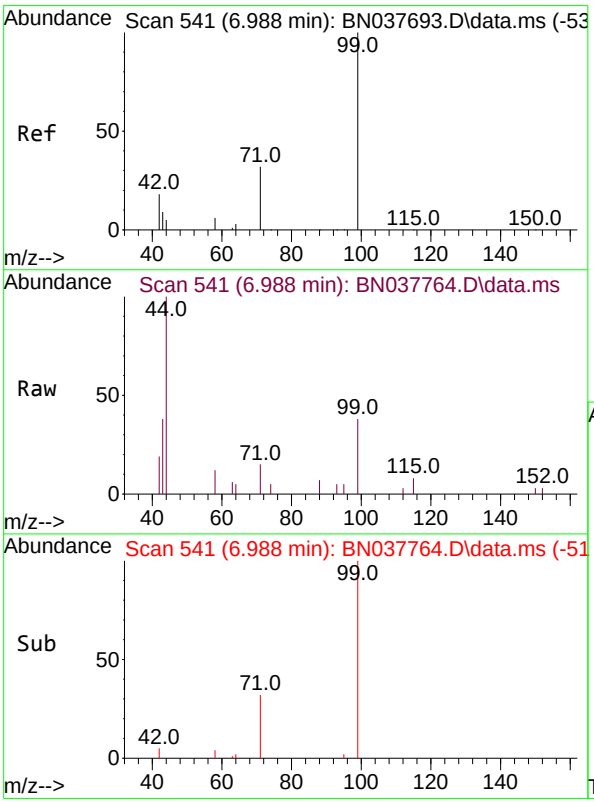
#4
2-Fluorophenol
Concen: 0.099 ng
RT: 5.399 min Scan# 3
Delta R.T. -0.000 min
Lab File: BN037764.D
Acq: 18 Sep 2025 05:46

Instrument :
BNA_N
ClientSampleId :
MW305D-20250909

Tgt Ion:112 Resp: 1748

Ion	Ratio	Lower	Upper
112	100		
64	55.8	44.9	67.3
63	30.7	24.7	37.1

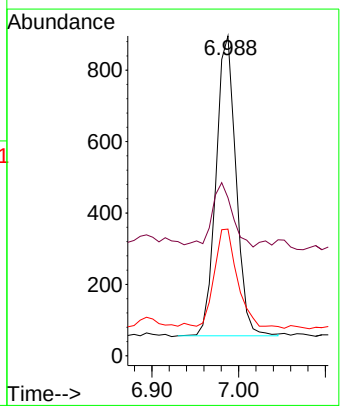


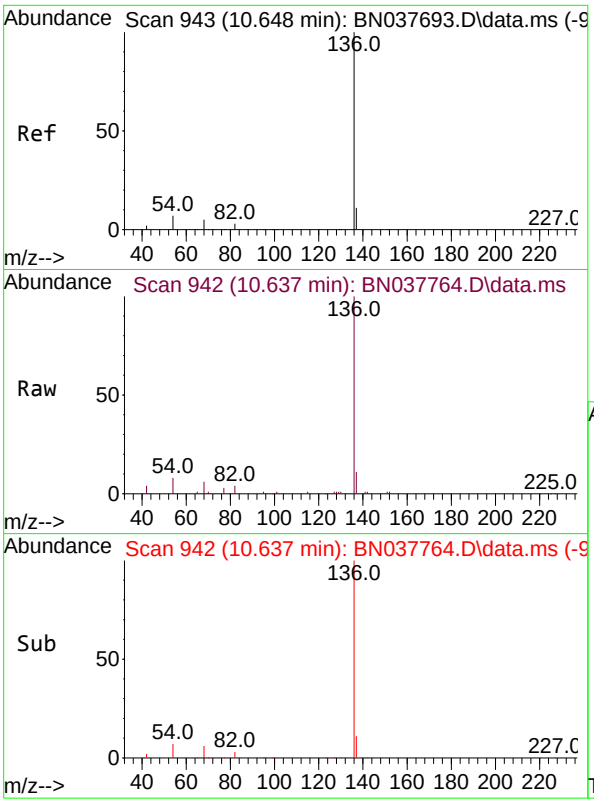


#5
Phenol-d6
Concen: 0.059 ng
RT: 6.988 min Scan# 541
Delta R.T. -0.000 min
Lab File: BN037764.D
Acq: 18 Sep 2025 05:46

Tgt Ion: 99 Resp: 1348

Ion	Ratio	Lower	Upper
99	100		
42	21.4	16.6	24.8
71	38.6	26.7	40.1



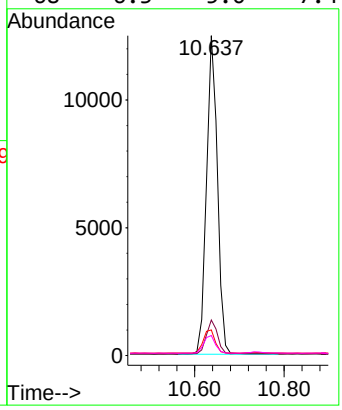


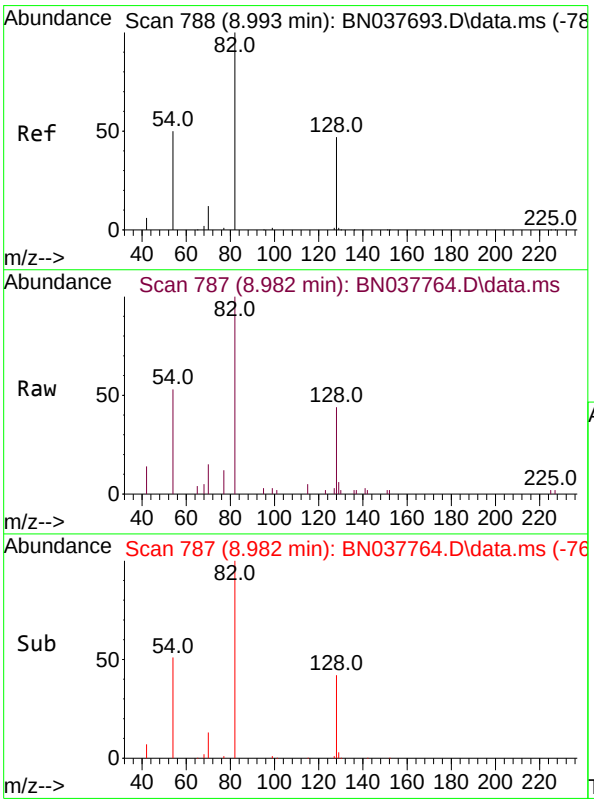
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.637 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037764.D
Acq: 18 Sep 2025 05:46

Instrument :
BNA_N
ClientSampleId :
MW305D-20250909

Tgt Ion:136 Resp: 21168

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.1	13.7
54	8.0	6.3	9.5
68	6.3	5.0	7.4

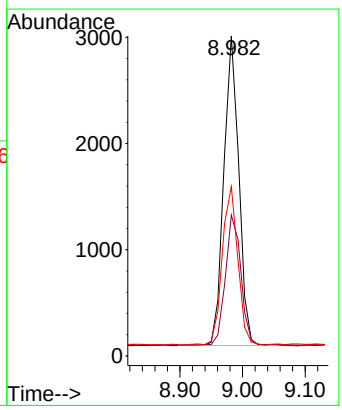


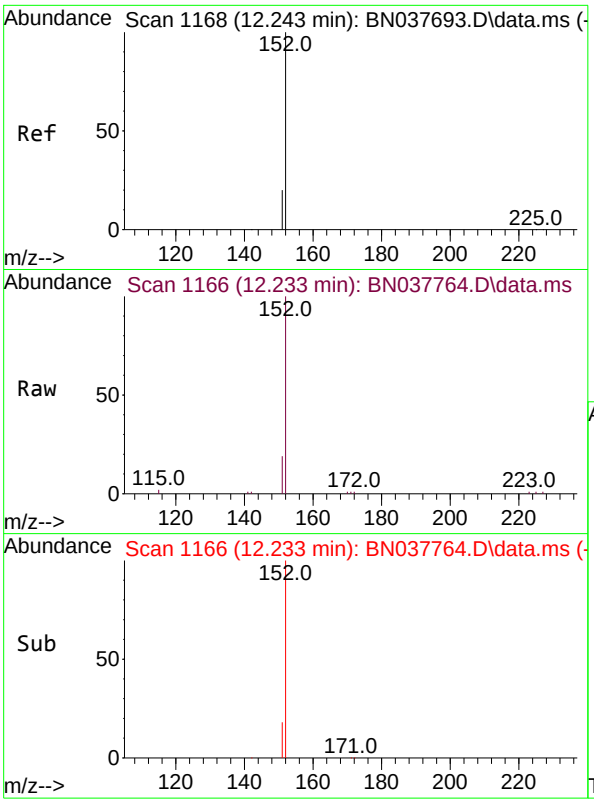


#8
Nitrobenzene-d5
Concen: 0.314 ng
RT: 8.982 min Scan# 787
Delta R.T. -0.011 min
Lab File: BN037764.D
Acq: 18 Sep 2025 05:46

Tgt Ion: 82 Resp: 4861

Ion	Ratio	Lower	Upper
82	100		
128	44.0	38.3	57.5
54	53.0	41.4	62.2



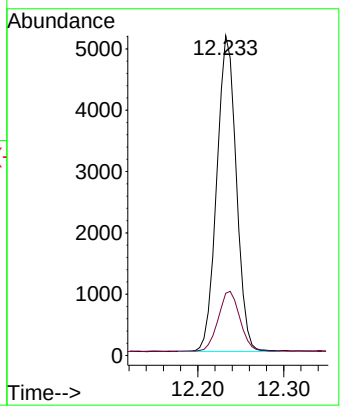


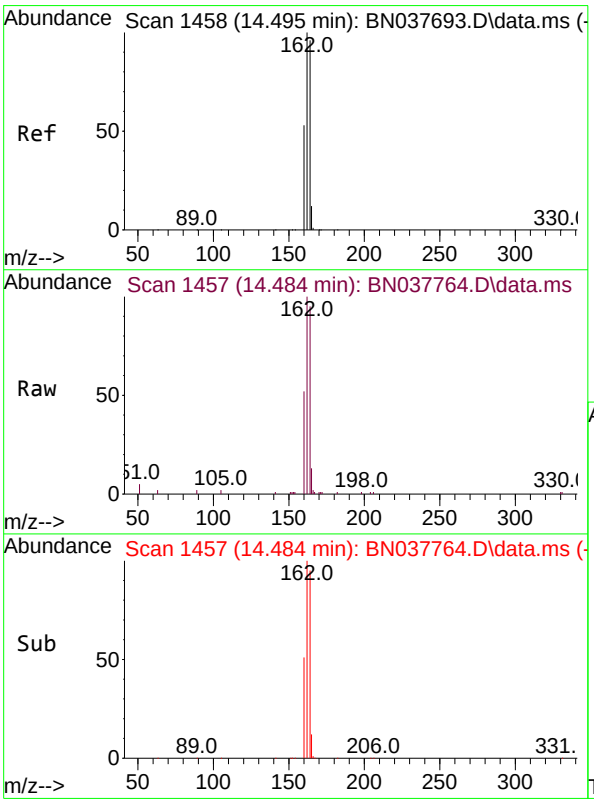
#11
2-Methylnaphthalene-d10
Concen: 0.289 ng
RT: 12.233 min Scan# 11
Delta R.T. -0.010 min
Lab File: BN037764.D
Acq: 18 Sep 2025 05:46

Instrument :
BNA_N
ClientSampleId :
MW305D-20250909

Tgt Ion:152 Resp: 8118

Ion	Ratio	Lower	Upper
152	100		
151	21.3	17.0	25.6

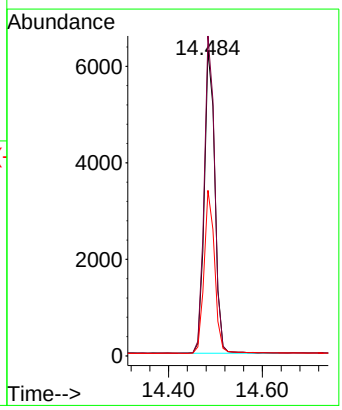


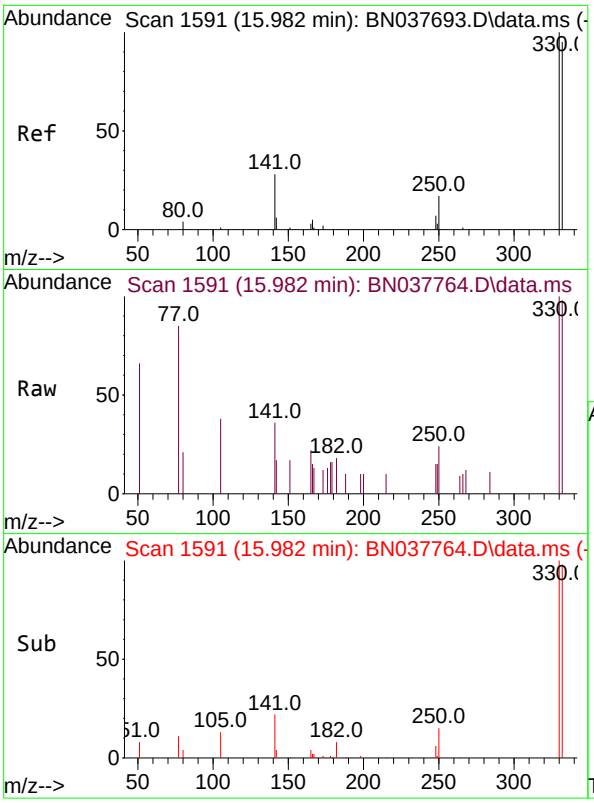


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.484 min Scan# 1457
Delta R.T. -0.011 min
Lab File: BN037764.D
Acq: 18 Sep 2025 05:46

Tgt Ion:164 Resp: 9850

Ion	Ratio	Lower	Upper
164	100		
162	104.8	83.1	124.7
160	54.2	44.3	66.5



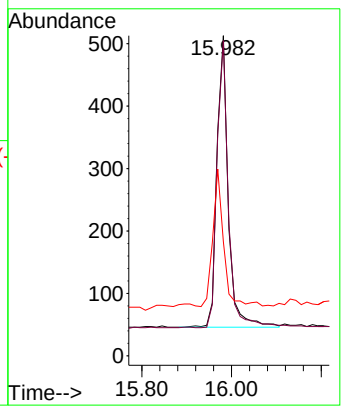


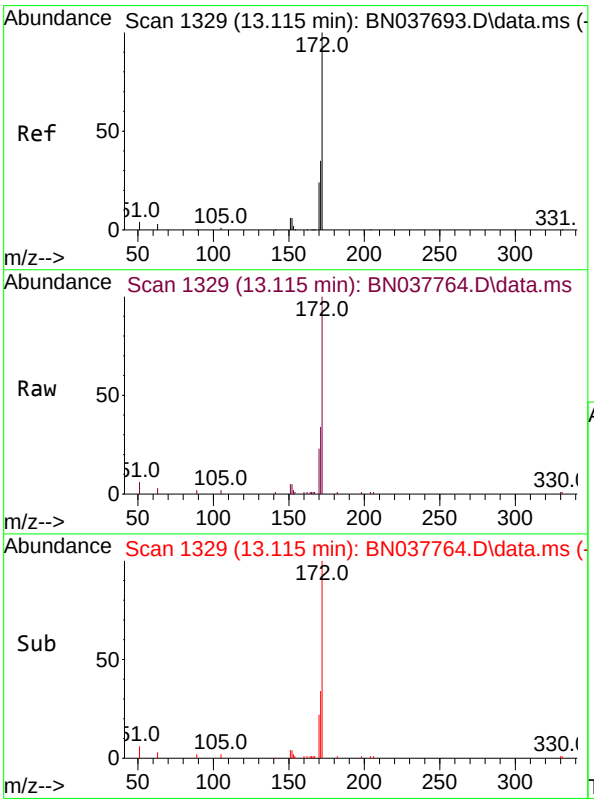
#14
2,4,6-Tribromophenol
Concen: 0.318 ng
RT: 15.982 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037764.D
Acq: 18 Sep 2025 05:46

Instrument :
BNA_N
ClientSampleId :
MW305D-20250909

Tgt Ion:330 Resp: 816

Ion	Ratio	Lower	Upper
330	100		
332	99.0	75.3	112.9
141	47.2	35.0	52.4

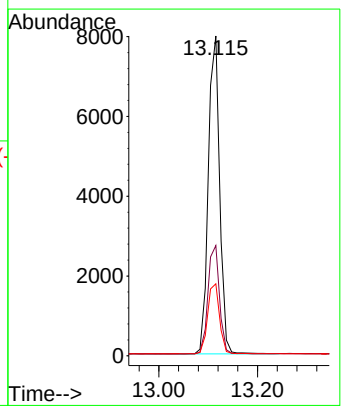


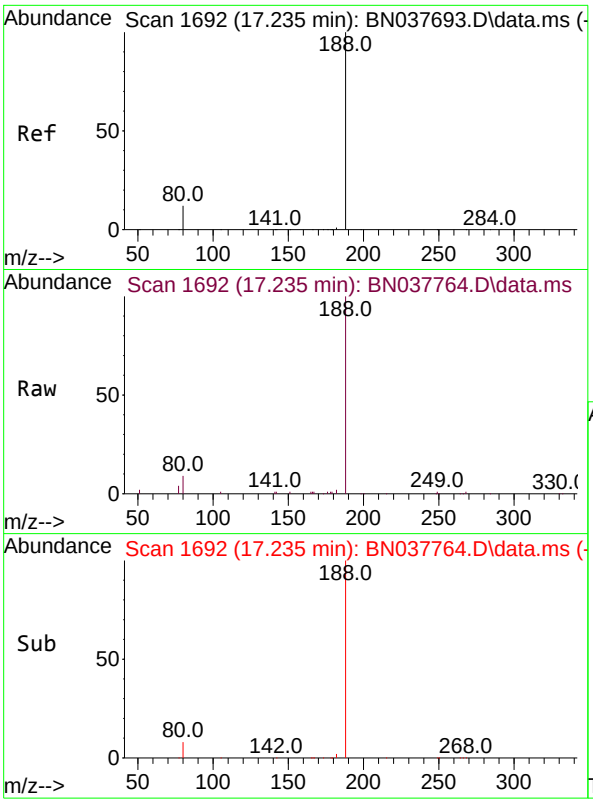


#15
2-Fluorobiphenyl
Concen: 0.309 ng
RT: 13.115 min Scan# 1329
Delta R.T. -0.000 min
Lab File: BN037764.D
Acq: 18 Sep 2025 05:46

Tgt Ion:172 Resp: 12714

Ion	Ratio	Lower	Upper
172	100		
171	34.5	28.6	43.0
170	22.5	19.8	29.8



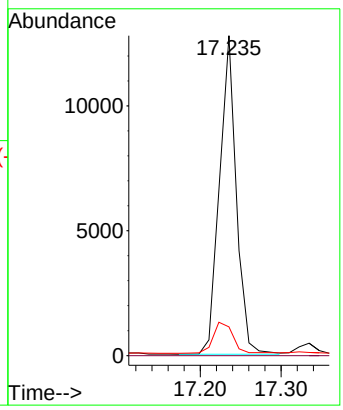


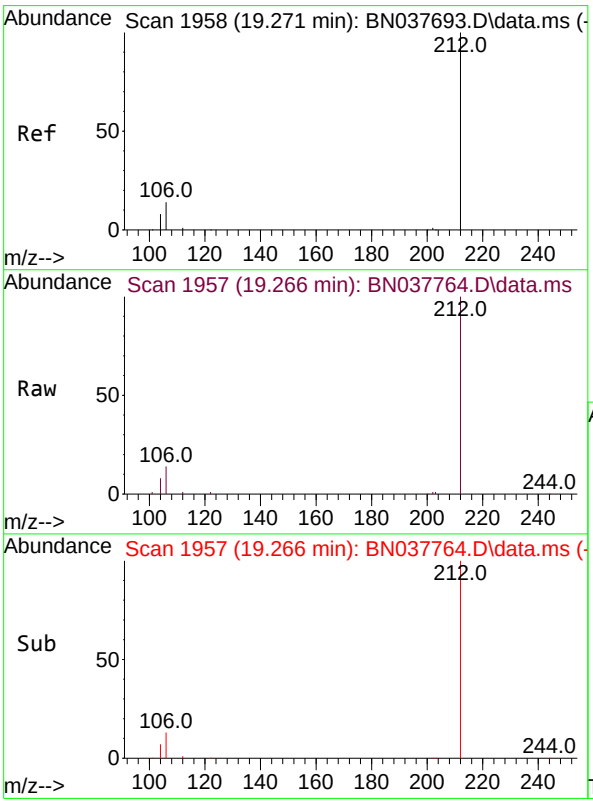
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.235 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037764.D
Acq: 18 Sep 2025 05:46

Instrument :
BNA_N
ClientSampleId :
MW305D-20250909

Tgt Ion:188 Resp: 18466

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.0	10.6	15.8#

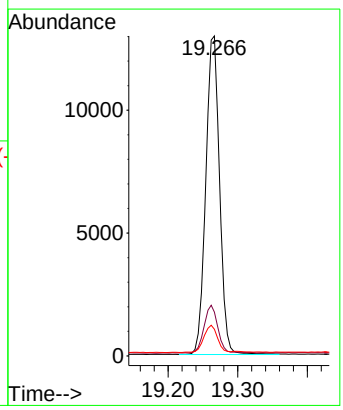


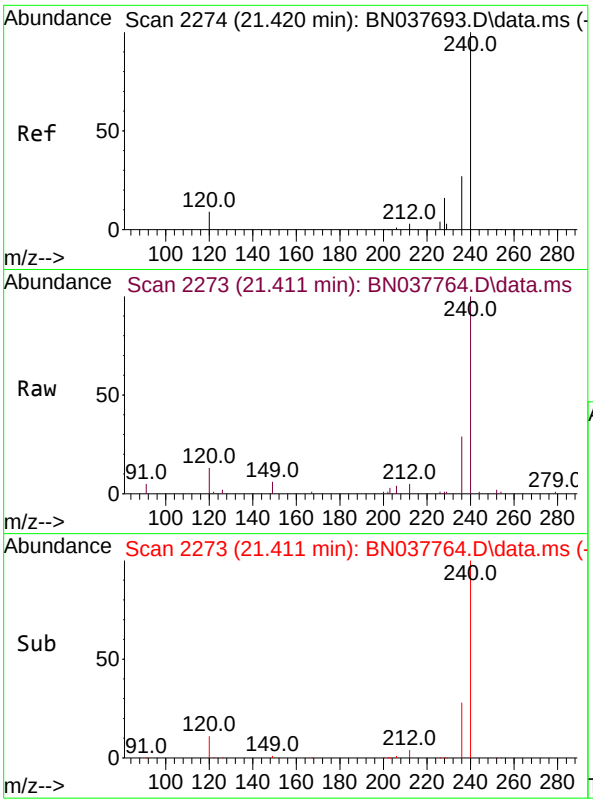


#27
Fluoranthene-d10
Concen: 0.384 ng
RT: 19.266 min Scan# 1957
Delta R.T. -0.005 min
Lab File: BN037764.D
Acq: 18 Sep 2025 05:46

Tgt Ion:212 Resp: 17805

Ion	Ratio	Lower	Upper
212	100		
106	14.9	12.2	18.2
104	8.4	6.9	10.3



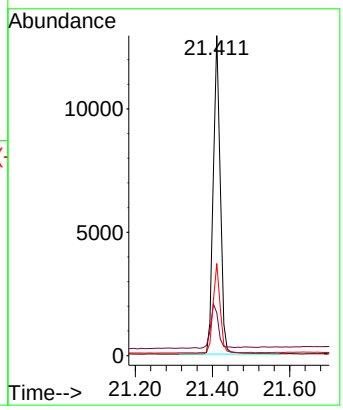


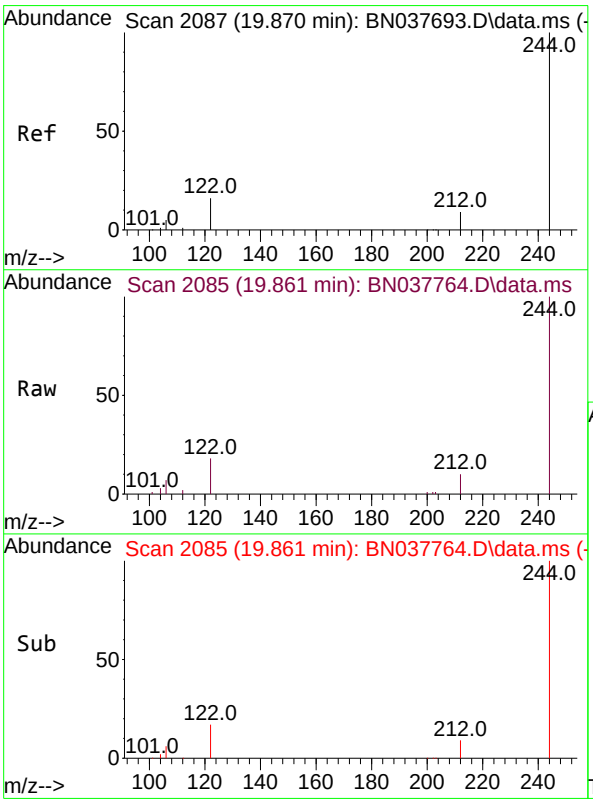
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.411 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN037764.D
Acq: 18 Sep 2025 05:46

Instrument :
BNA_N
ClientSampleId :
MW305D-20250909

Tgt Ion:240 Resp: 16400

Ion	Ratio	Lower	Upper
240	100		
120	13.4	9.2	13.8
236	28.8	22.6	33.8

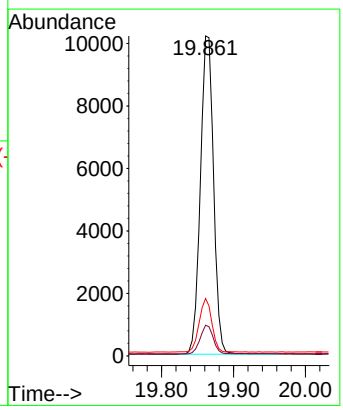


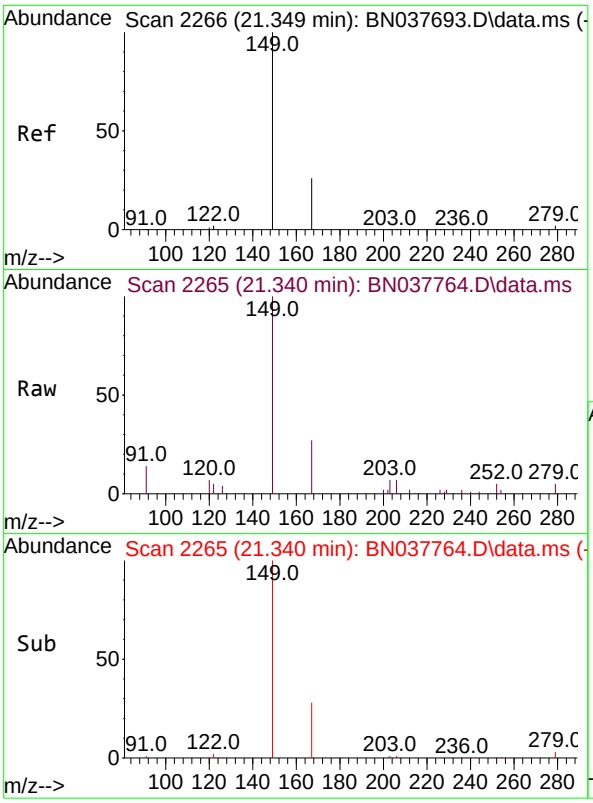


#31
Terphenyl-d14
Concen: 0.389 ng
RT: 19.861 min Scan# 2085
Delta R.T. -0.009 min
Lab File: BN037764.D
Acq: 18 Sep 2025 05:46

Tgt Ion:244 Resp: 12957

Ion	Ratio	Lower	Upper
244	100		
212	9.6	7.5	11.3
122	17.9	13.2	19.8



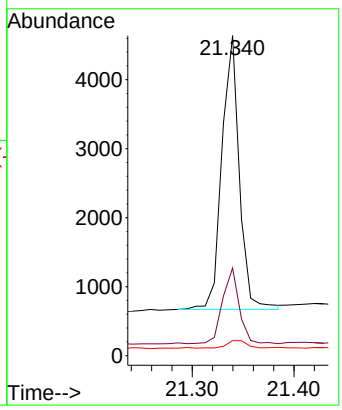


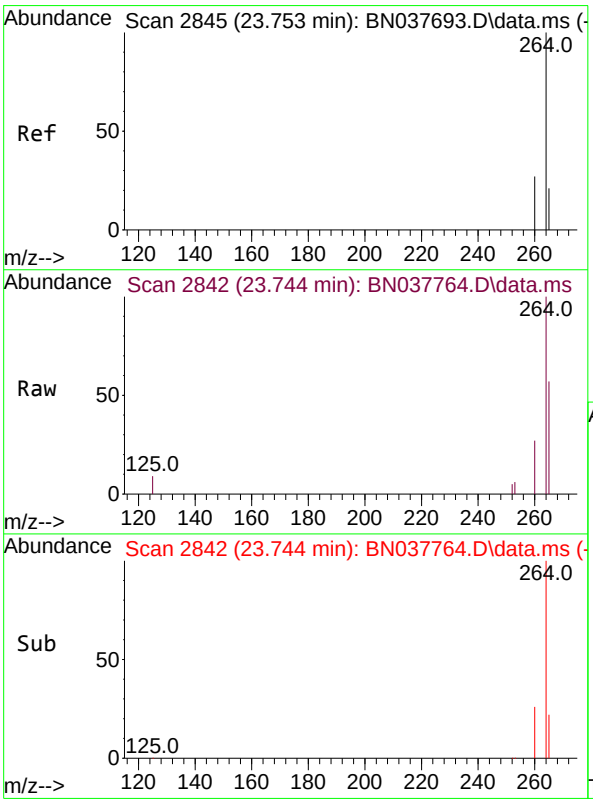
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.280 ng
RT: 21.340 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN037764.D
Acq: 18 Sep 2025 05:46

Instrument :
BNA_N
ClientSampleId :
MW305D-20250909

Tgt Ion:149 Resp: 4749

Ion	Ratio	Lower	Upper
149	100		
167	26.4	20.8	31.2
279	3.2	3.3	4.9#

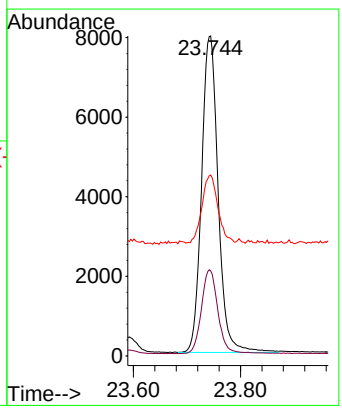




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.744 min Scan# 2842
Delta R.T. -0.009 min
Lab File: BN037764.D
Acq: 18 Sep 2025 05:46

Tgt Ion:264 Resp: 17053

Ion	Ratio	Lower	Upper
264	100		
260	26.6	21.8	32.8
265	56.5	39.4	59.2



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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	DUP01-20250909	SDG No.:	Q3095
Lab Sample ID:	Q3095-17	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
BN037765.D	1	09/15/25 10:15	09/18/25 06:23	PB169692

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.52		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.30		30 - 150		75%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.37		30 - 150		92%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.33		55 - 111		81%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.33		53 - 106		83%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.43		58 - 132		106%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7820	7.833				
1146-65-2	Naphthalene-d8	21300	10.637				
15067-26-2	Acenaphthene-d10	9720	14.484				
1517-22-2	Phenanthrene-d10	17200	17.236				
1719-03-5	Chrysene-d12	13600	21.411				
1520-96-3	Perylene-d12	14200	23.742				

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\BN091725\
Data File : BN037765.D
Acq On : 18 Sep 2025 06:23
Operator : RC/JU
Sample : Q3095-17
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DUP01-20250909

Quant Time: Sep 18 07:55:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

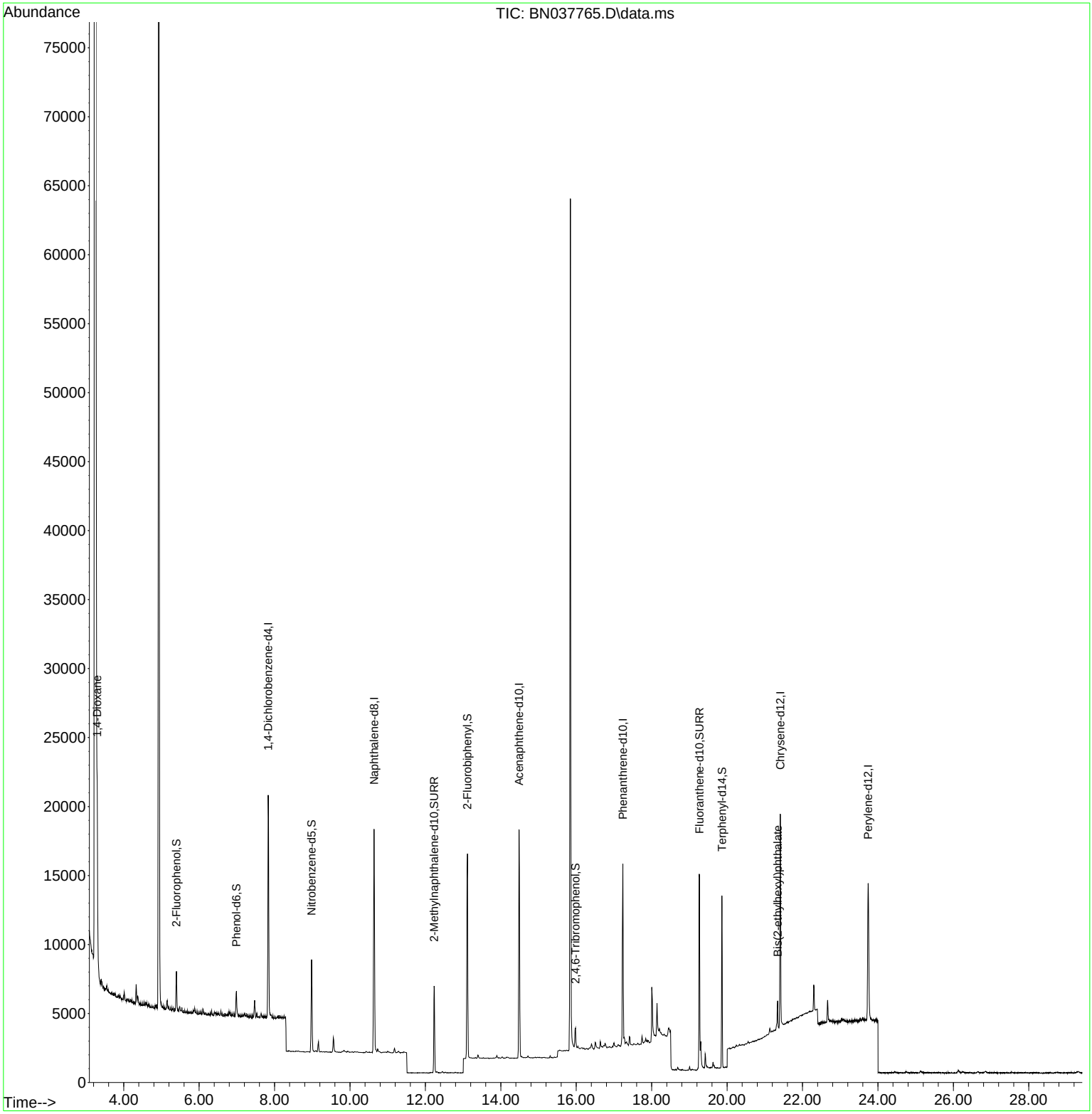
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.833	152	7819	0.400	ng	0.00
7) Naphthalene-d8	10.637	136	21320	0.400	ng	-0.01
13) Acenaphthene-d10	14.484	164	9718	0.400	ng	-0.01
19) Phenanthrene-d10	17.236	188	17159	0.400	ng	# 0.00
29) Chrysene-d12	21.411	240	13647	0.400	ng	# 0.00
35) Perylene-d12	23.742	264	14246	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.399	112	2247	0.125	ng	0.00
5) Phenol-d6	6.988	99	1627	0.070	ng	0.00
8) Nitrobenzene-d5	8.982	82	5074	0.325	ng	-0.01
11) 2-Methylnaphthalene-d10	12.233	152	8485	0.300	ng	-0.01
14) 2,4,6-Tribromophenol	15.982	330	988	0.390	ng	0.00
15) 2-Fluorobiphenyl	13.115	172	13429	0.330	ng	0.00
27) Fluoranthene-d10	19.267	212	15856	0.368	ng	0.00
31) Terphenyl-d14	19.861	244	11784	0.425	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.297	88	4197	0.515	ng	# 93
34) Bis(2-ethylhexyl)phtha...	21.340	149	2344	0.166	ng	98

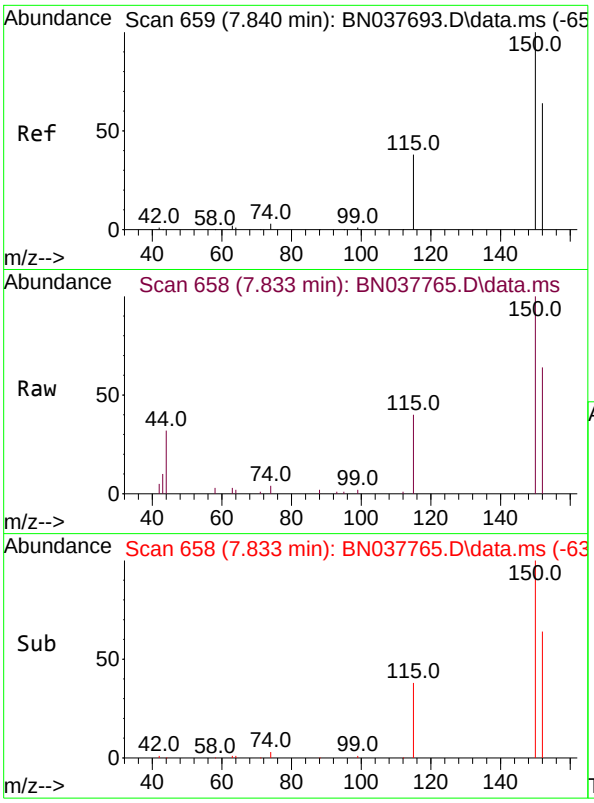
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091725\
Data File : BN037765.D
Acq On : 18 Sep 2025 06:23
Operator : RC/JU
Sample : Q3095-17
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DUP01-20250909

Quant Time: Sep 18 07:55:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration



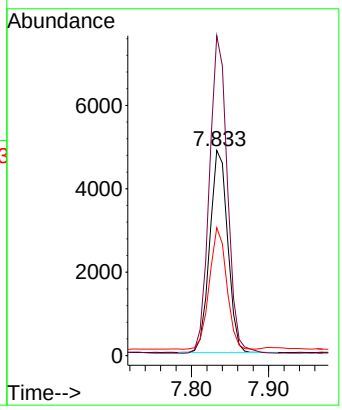


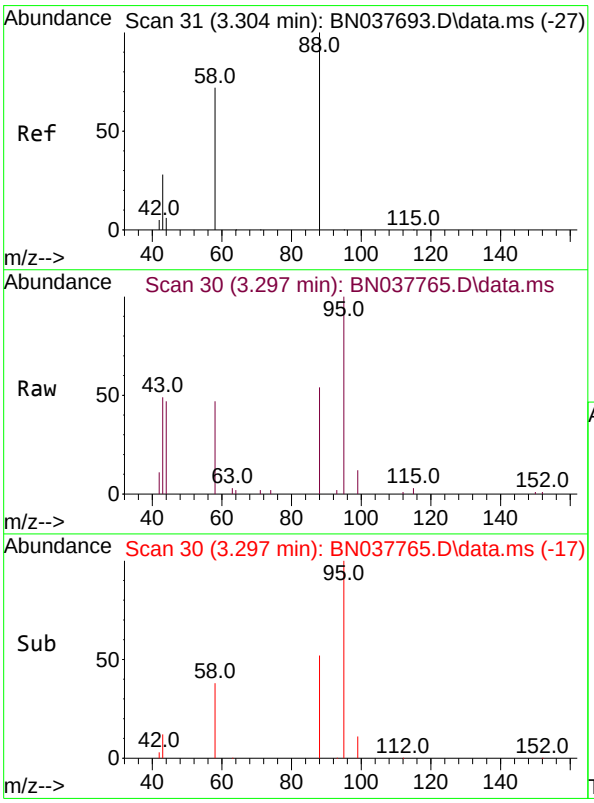
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.833 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN037765.D
Acq: 18 Sep 2025 06:23

Instrument :
BNA_N
ClientSampleId :
DUP01-20250909

Tgt Ion:152 Resp: 7819

Ion	Ratio	Lower	Upper
152	100		
150	155.9	124.5	186.7
115	62.3	49.2	73.8

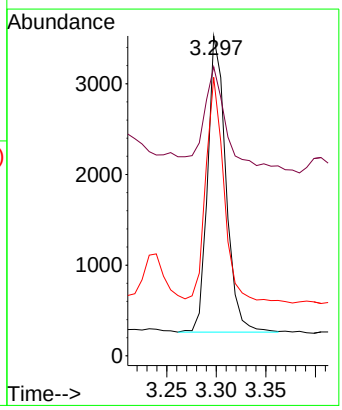


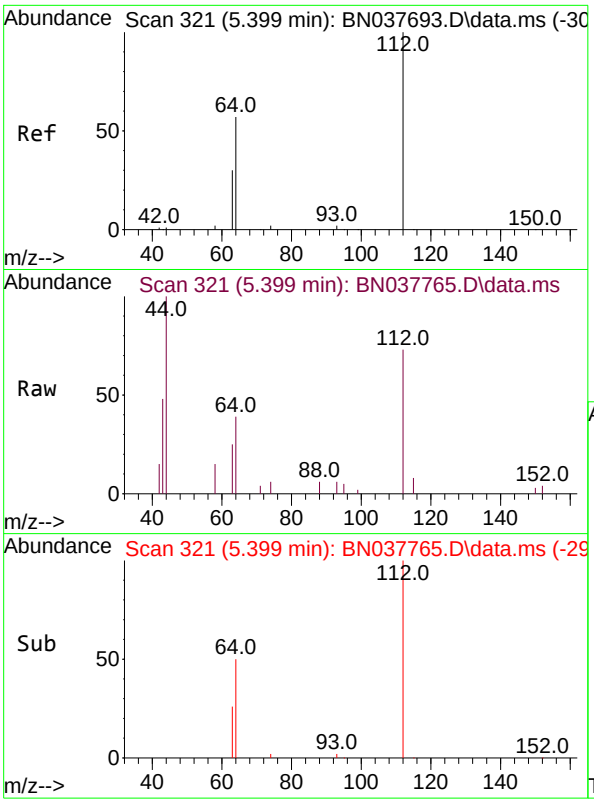


#2
1,4-Dioxane
Concen: 0.515 ng
RT: 3.297 min Scan# 30
Delta R.T. -0.007 min
Lab File: BN037765.D
Acq: 18 Sep 2025 06:23

Tgt Ion: 88 Resp: 4197

Ion	Ratio	Lower	Upper
88	100		
43	41.9	26.8	40.2#
58	74.5	61.9	92.9



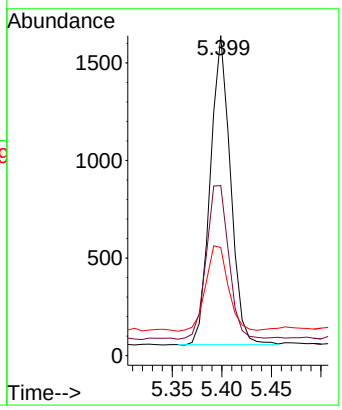


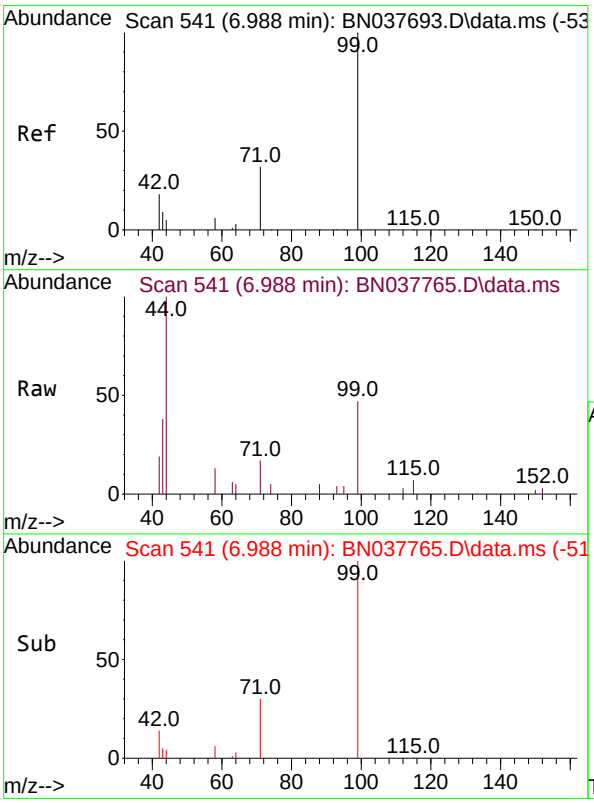
#4
2-Fluorophenol
Concen: 0.125 ng
RT: 5.399 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN037765.D
Acq: 18 Sep 2025 06:23

Instrument :
BNA_N
ClientSampleId :
DUP01-20250909

Tgt Ion:112 Resp: 2247

Ion	Ratio	Lower	Upper
112	100		
64	55.4	44.9	67.3
63	31.0	24.7	37.1

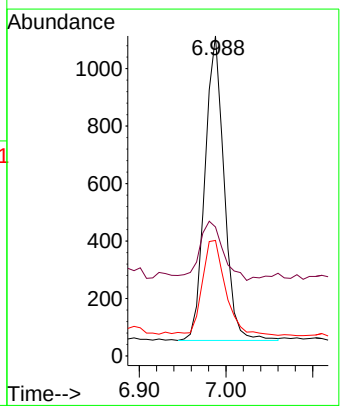


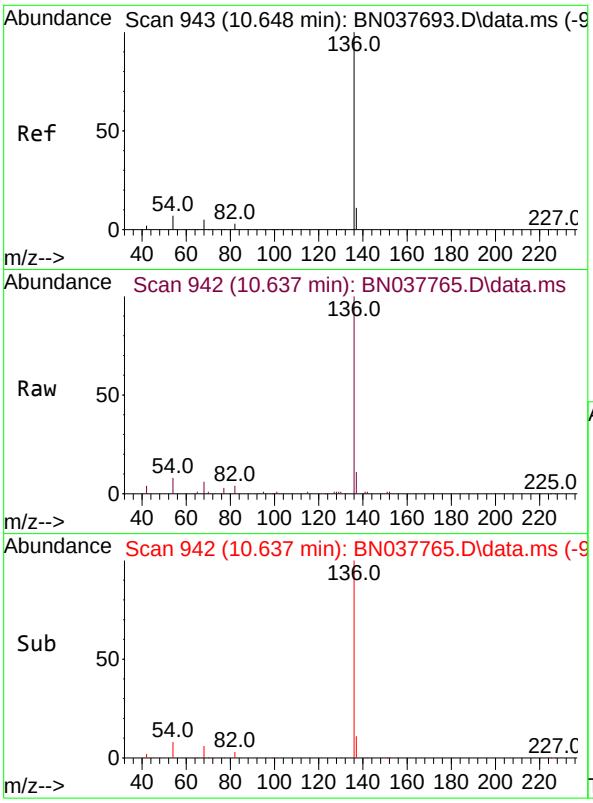


#5
Phenol-d6
Concen: 0.070 ng
RT: 6.988 min Scan# 541
Delta R.T. 0.000 min
Lab File: BN037765.D
Acq: 18 Sep 2025 06:23

Tgt Ion: 99 Resp: 1627

Ion	Ratio	Lower	Upper
99	100		
42	21.9	16.6	24.8
71	38.0	26.7	40.1



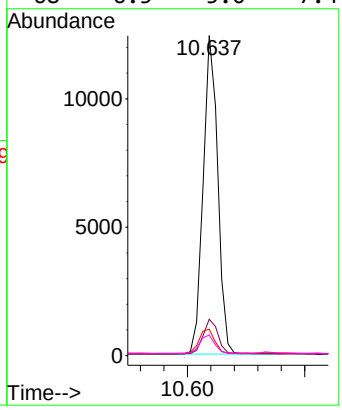


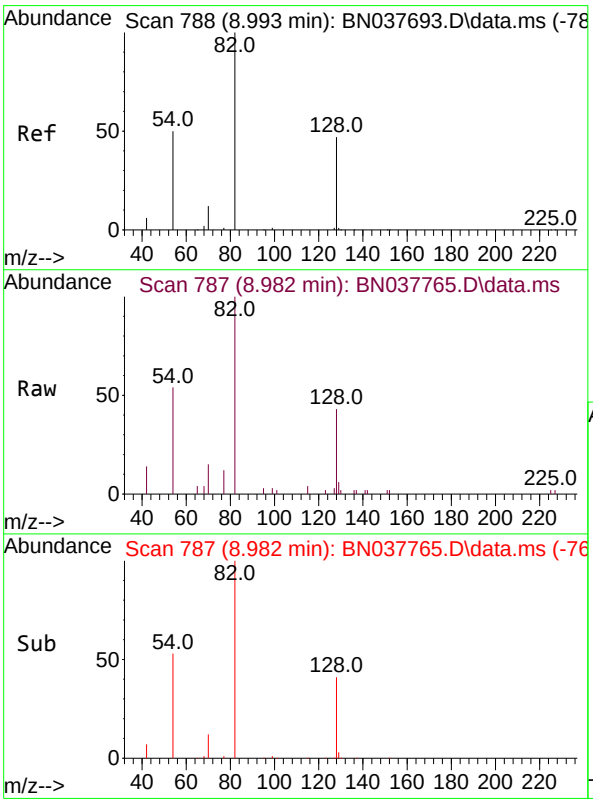
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.637 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037765.D
Acq: 18 Sep 2025 06:23

Instrument :
BNA_N
ClientSampleId :
DUP01-20250909

Tgt Ion:136 Resp: 21320

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	8.2	6.3	9.5
68	6.5	5.0	7.4

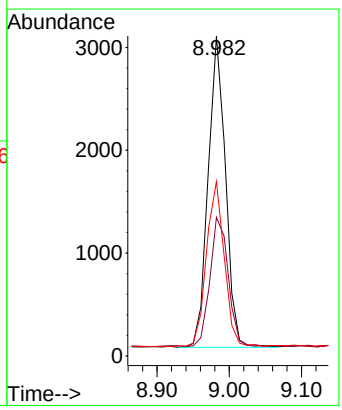


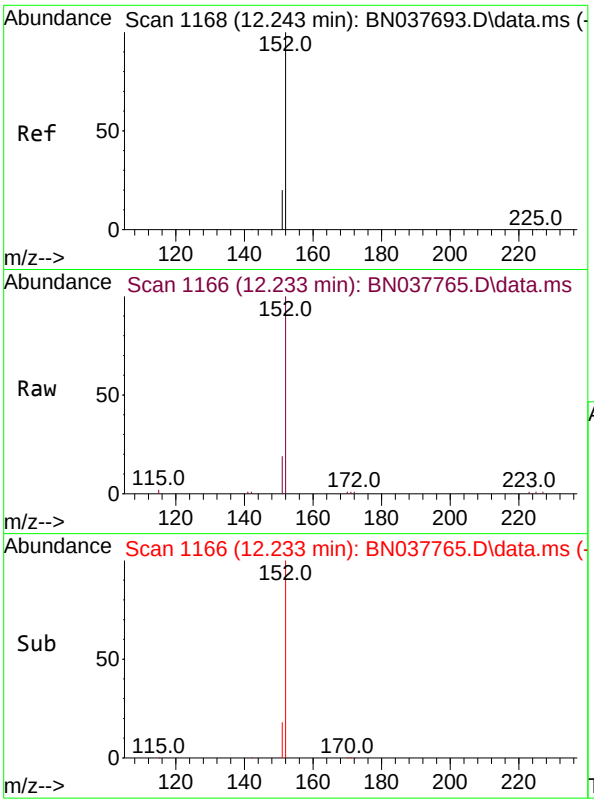


#8
Nitrobenzene-d5
Concen: 0.325 ng
RT: 8.982 min Scan# 787
Delta R.T. -0.011 min
Lab File: BN037765.D
Acq: 18 Sep 2025 06:23

Tgt Ion: 82 Resp: 5074

Ion	Ratio	Lower	Upper
82	100		
128	43.3	38.3	57.5
54	54.5	41.4	62.2



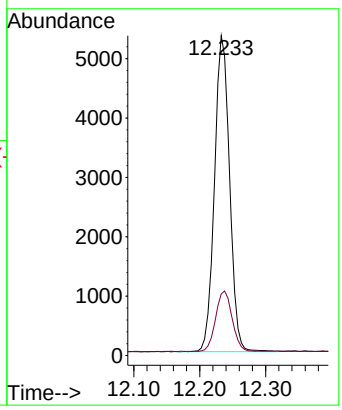


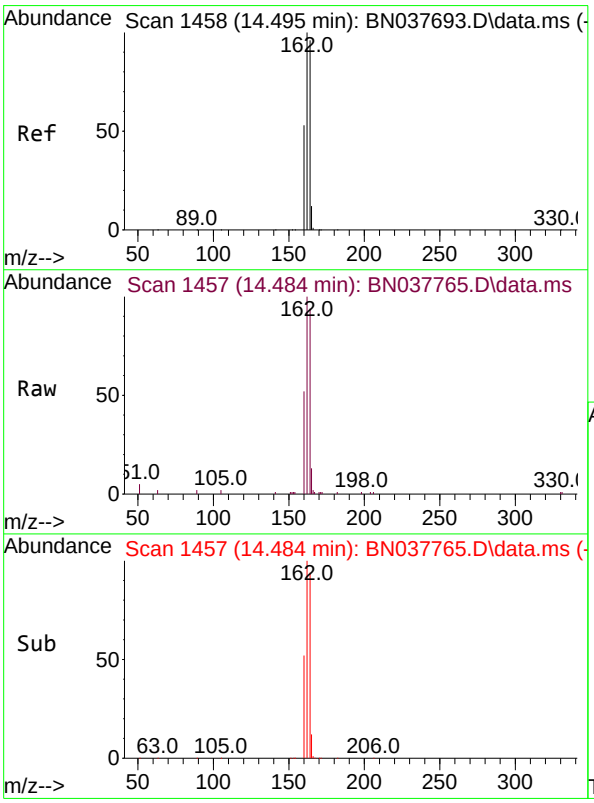
#11
2-Methylnaphthalene-d10
Concen: 0.300 ng
RT: 12.233 min Scan# 11
Delta R.T. -0.010 min
Lab File: BN037765.D
Acq: 18 Sep 2025 06:23

Instrument :
BNA_N
ClientSampleId :
DUP01-20250909

Tgt Ion:152 Resp: 8485

Ion	Ratio	Lower	Upper
152	100		
151	21.0	17.0	25.6

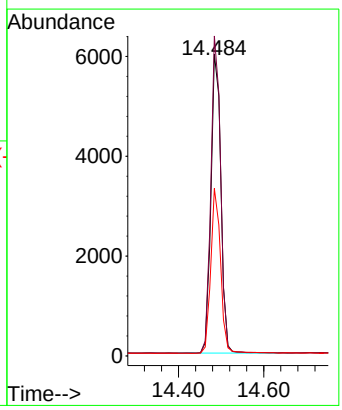


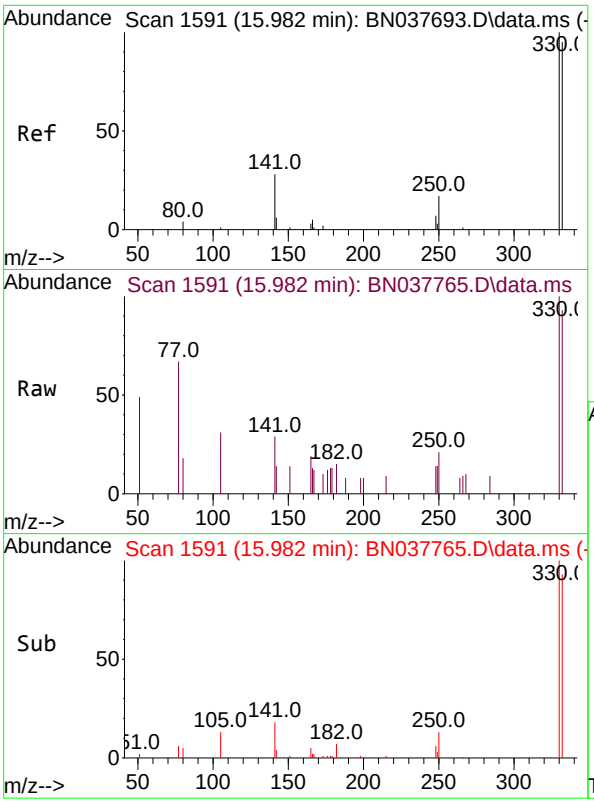


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.484 min Scan# 1457
Delta R.T. -0.011 min
Lab File: BN037765.D
Acq: 18 Sep 2025 06:23

Tgt Ion:164 Resp: 9718

Ion	Ratio	Lower	Upper
164	100		
162	106.1	83.1	124.7
160	55.5	44.3	66.5



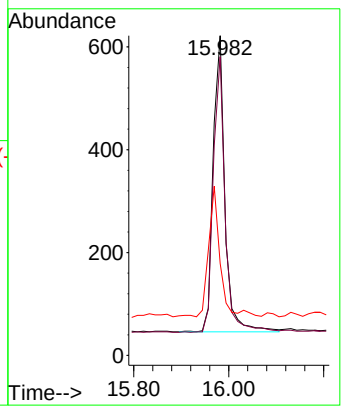


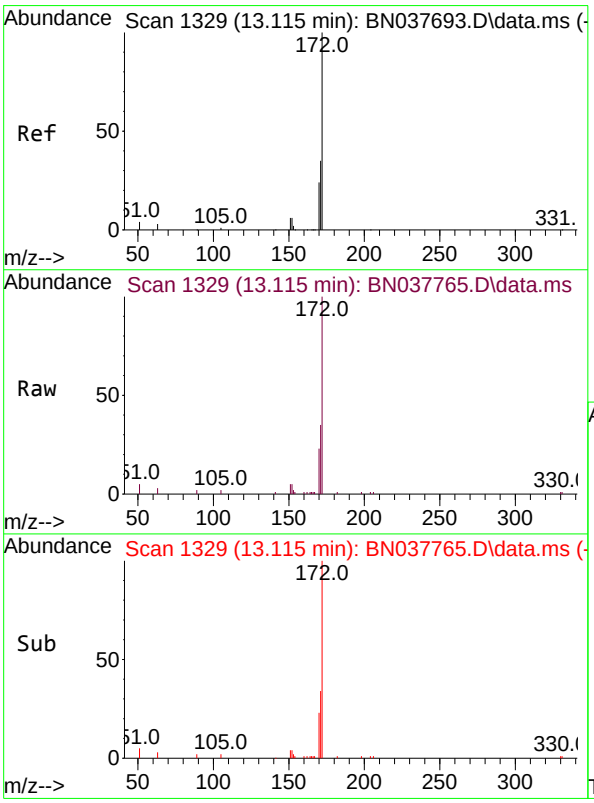
#14
2,4,6-Tribromophenol
Concen: 0.390 ng
RT: 15.982 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037765.D
Acq: 18 Sep 2025 06:23

Instrument :
BNA_N
ClientSampleId :
DUP01-20250909

Tgt Ion:330 Resp: 988

Ion	Ratio	Lower	Upper
330	100		
332	93.3	75.3	112.9
141	41.8	35.0	52.4

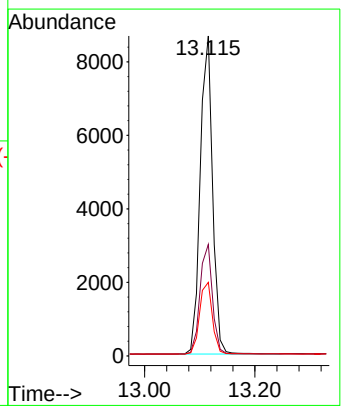


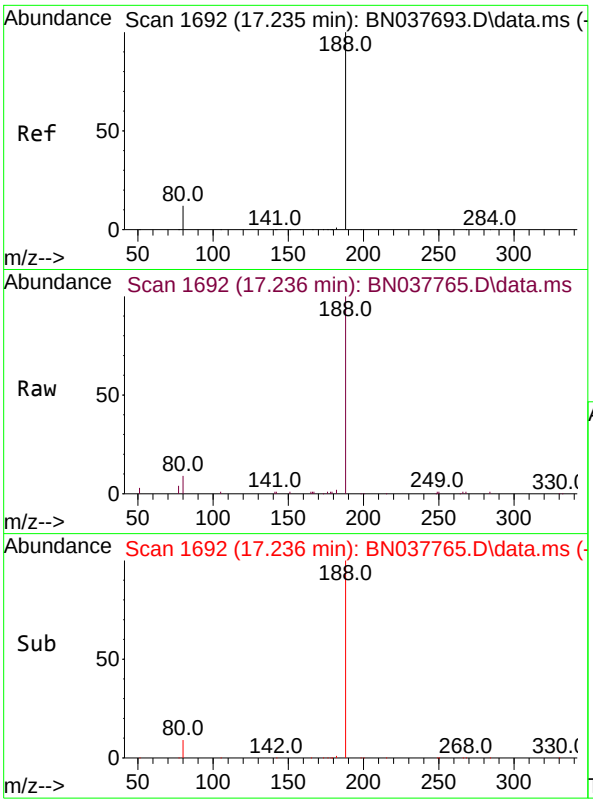


#15
2-Fluorobiphenyl
Concen: 0.330 ng
RT: 13.115 min Scan# 1329
Delta R.T. 0.000 min
Lab File: BN037765.D
Acq: 18 Sep 2025 06:23

Tgt Ion:172 Resp: 13429

Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.6	43.0
170	23.0	19.8	29.8



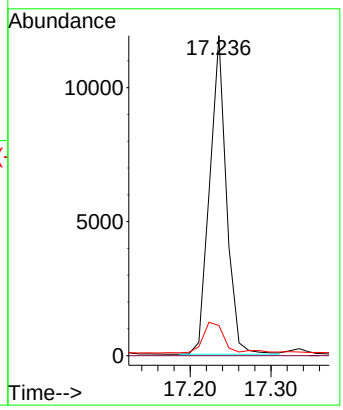


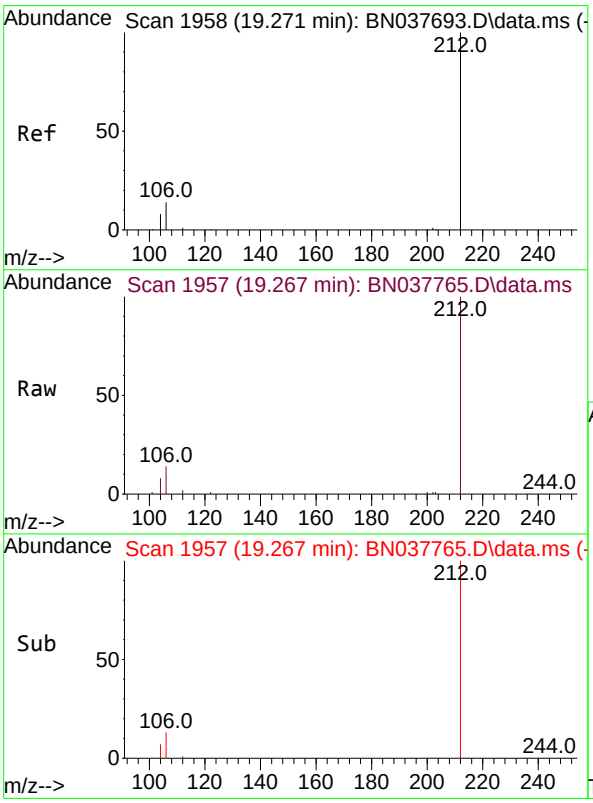
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.236 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037765.D
Acq: 18 Sep 2025 06:23

Instrument :
BNA_N
ClientSampleId :
DUP01-20250909

Tgt Ion:188 Resp: 17159

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.4	10.6	15.8#

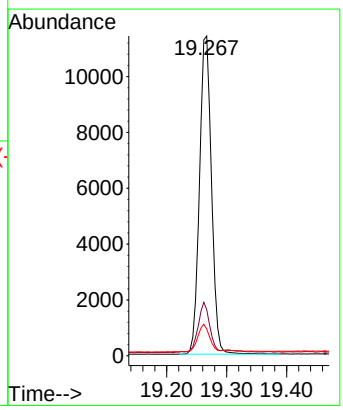


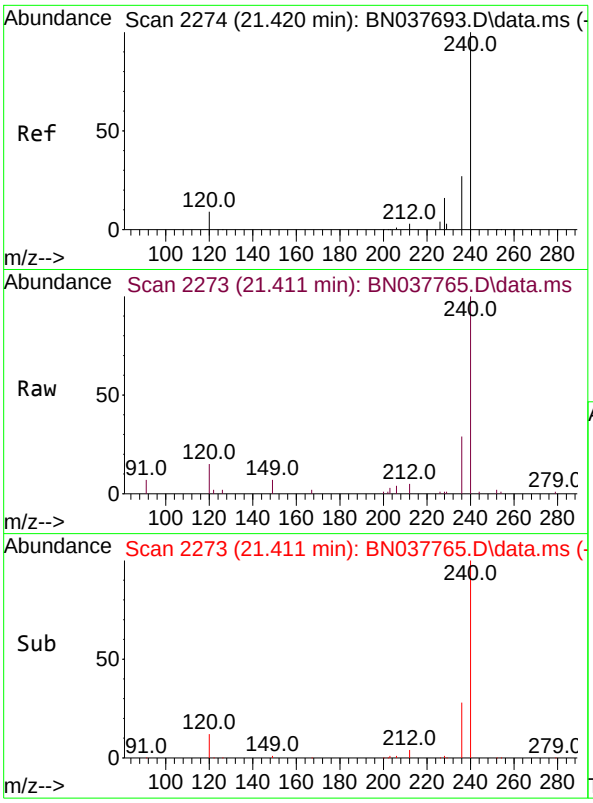


#27
Fluoranthene-d10
Concen: 0.368 ng
RT: 19.267 min Scan# 1957
Delta R.T. -0.005 min
Lab File: BN037765.D
Acq: 18 Sep 2025 06:23

Tgt Ion:212 Resp: 15856

Ion	Ratio	Lower	Upper
212	100		
106	15.3	12.2	18.2
104	8.7	6.9	10.3



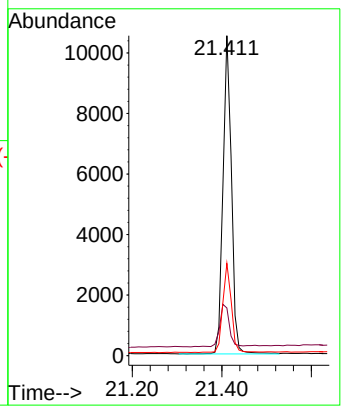


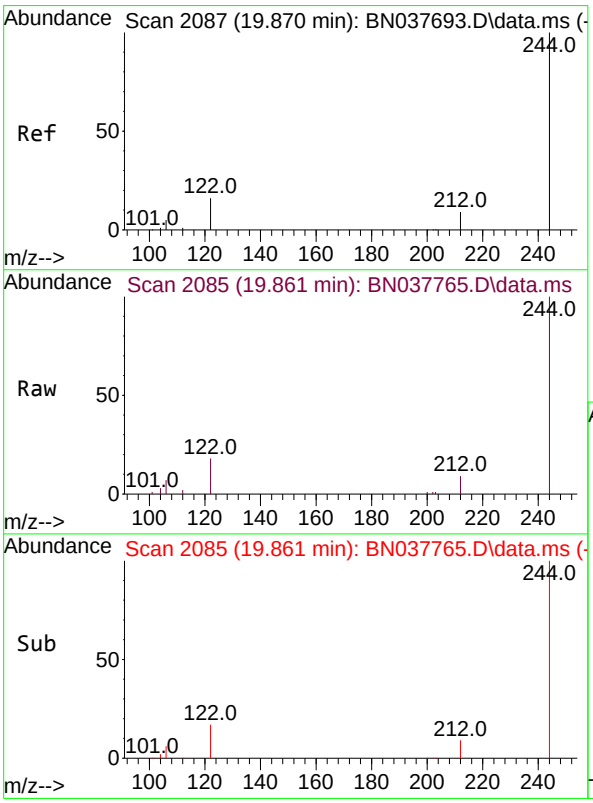
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.411 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN037765.D
Acq: 18 Sep 2025 06:23

Instrument :
BNA_N
ClientSampleId :
DUP01-20250909

Tgt Ion:240 Resp: 13647

Ion	Ratio	Lower	Upper
240	100		
120	14.9	9.2	13.8#
236	28.8	22.6	33.8

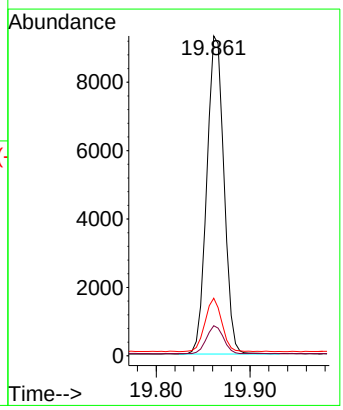


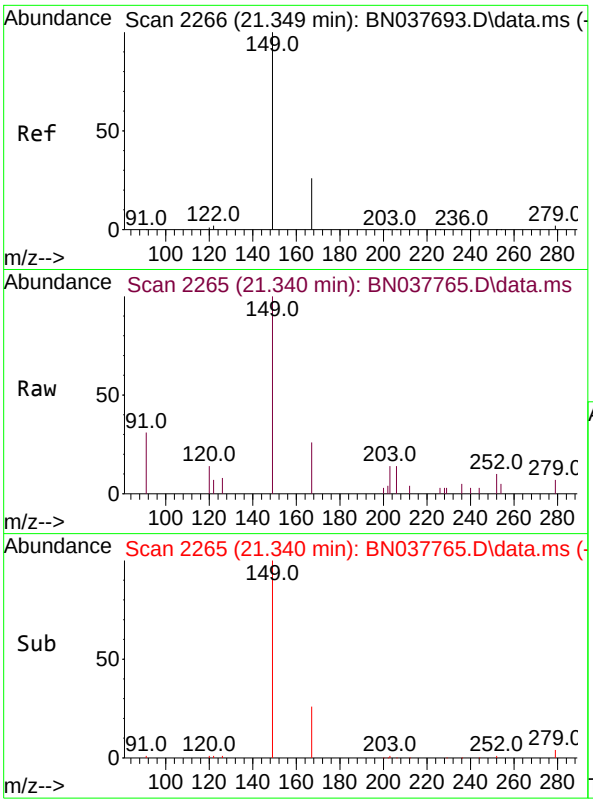


#31
Terphenyl-d14
Concen: 0.425 ng
RT: 19.861 min Scan# 2085
Delta R.T. -0.009 min
Lab File: BN037765.D
Acq: 18 Sep 2025 06:23

Tgt Ion:244 Resp: 11784

Ion	Ratio	Lower	Upper
244	100		
212	9.4	7.5	11.3
122	18.0	13.2	19.8



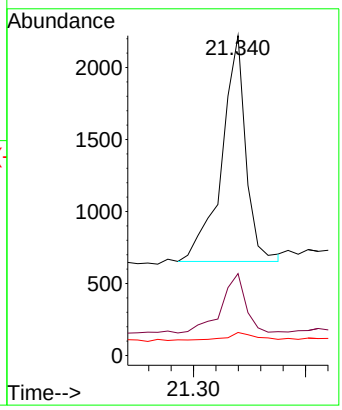


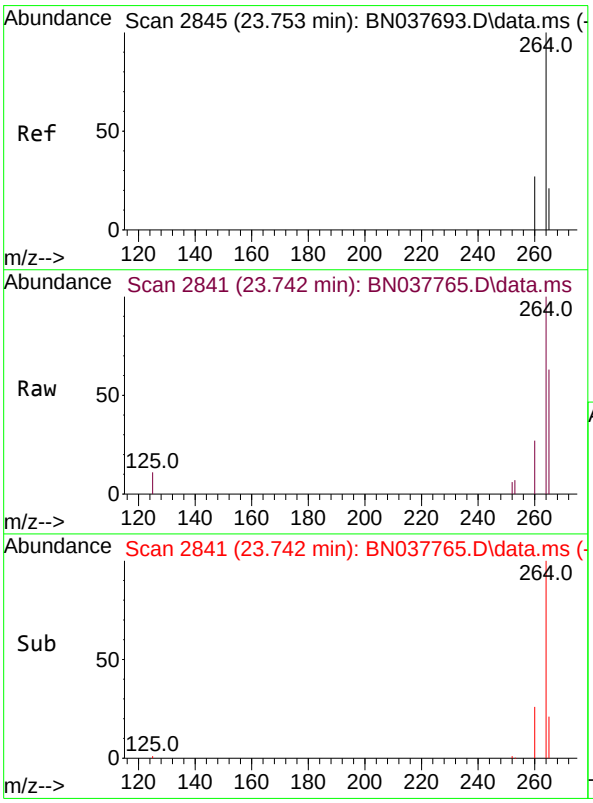
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.166 ng
RT: 21.340 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037765.D
Acq: 18 Sep 2025 06:23

Instrument :
BNA_N
ClientSampleId :
DUP01-20250909

Tgt Ion:149 Resp: 2344

Ion	Ratio	Lower	Upper
149	100		
167	26.8	20.8	31.2
279	3.6	3.3	4.9

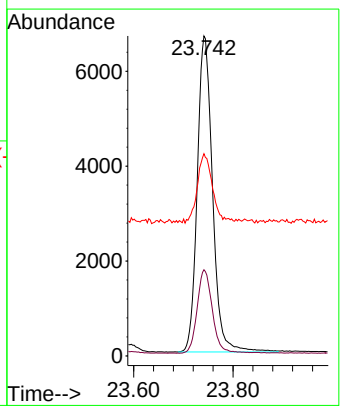




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.742 min Scan# 2841
Delta R.T. -0.012 min
Lab File: BN037765.D
Acq: 18 Sep 2025 06:23

Tgt Ion:264 Resp: 14246

Ion	Ratio	Lower	Upper
264	100		
260	26.9	21.8	32.8
265	63.2	39.4	59.2#



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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	RE126D2-20250909	SDG No.:	Q3095
Lab Sample ID:	Q3095-18	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
BN037766.D	1	09/15/25 10:15	09/18/25 06:59	PB169692

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	2.60		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		88%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.31		55 - 111		76%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.32		53 - 106		79%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.43		58 - 132		108%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	8400	7.833				
1146-65-2	Naphthalene-d8	23300	10.637				
15067-26-2	Acenaphthene-d10	10700	14.484				
1517-22-2	Phenanthrene-d10	18600	17.236				
1719-03-5	Chrysene-d12	13600	21.411				
1520-96-3	Perylene-d12	14300	23.745				

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\BN091725\
Data File : BN037766.D
Acq On : 18 Sep 2025 06:59
Operator : RC/JU
Sample : Q3095-18
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE126D2-20250909

Quant Time: Sep 18 07:55:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

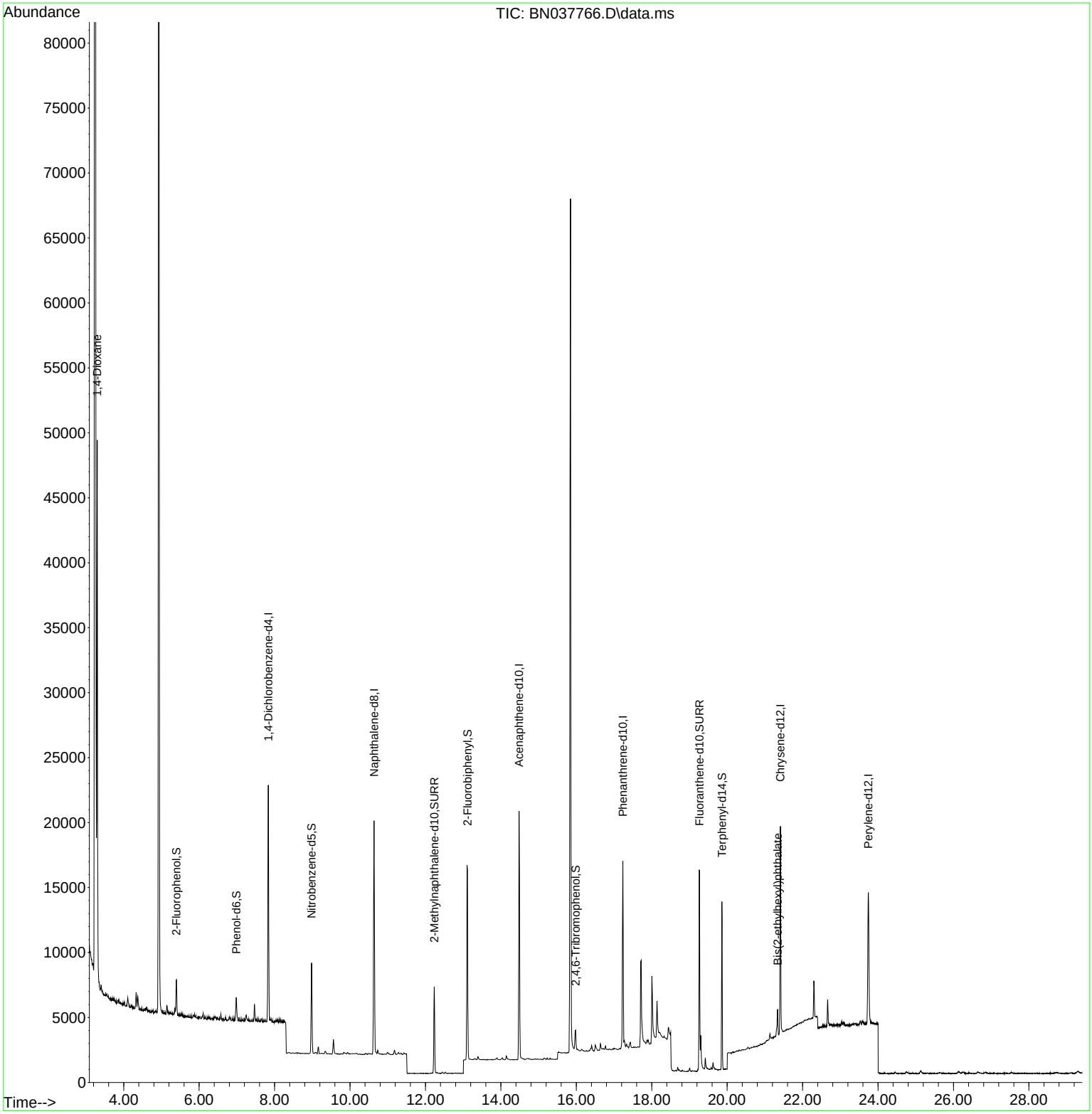
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.833	152	8399	0.400	ng	0.00
7) Naphthalene-d8	10.637	136	23335	0.400	ng	-0.01
13) Acenaphthene-d10	14.484	164	10732	0.400	ng	-0.01
19) Phenanthrene-d10	17.236	188	18615	0.400	ng	# 0.00
29) Chrysene-d12	21.411	240	13639	0.400	ng	0.00
35) Perylene-d12	23.745	264	14319	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.399	112	2304	0.119	ng	0.00
5) Phenol-d6	6.988	99	1698	0.068	ng	0.00
8) Nitrobenzene-d5	8.982	82	5216	0.306	ng	-0.01
11) 2-Methylnaphthalene-d10	12.233	152	8958	0.290	ng	-0.01
14) 2,4,6-Tribromophenol	15.982	330	1036	0.370	ng	0.00
15) 2-Fluorobiphenyl	13.116	172	14218	0.317	ng	0.00
27) Fluoranthene-d10	19.262	212	16425	0.351	ng	0.00
31) Terphenyl-d14	19.861	244	11960	0.432	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.297	88	22522	2.574	ng	96
34) Bis(2-ethylhexyl)phtha...	21.340	149	2756	0.195	ng	96

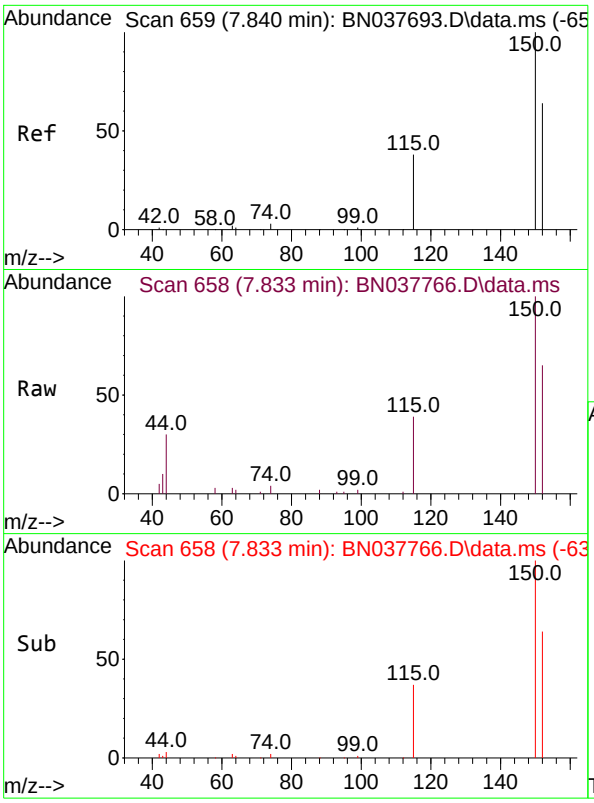
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091725\
Data File : BN037766.D
Acq On : 18 Sep 2025 06:59
Operator : RC/JU
Sample : Q3095-18
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE126D2-20250909

Quant Time: Sep 18 07:55:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration



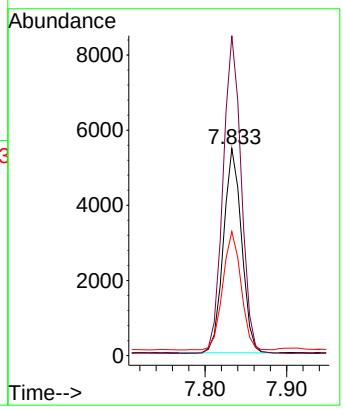


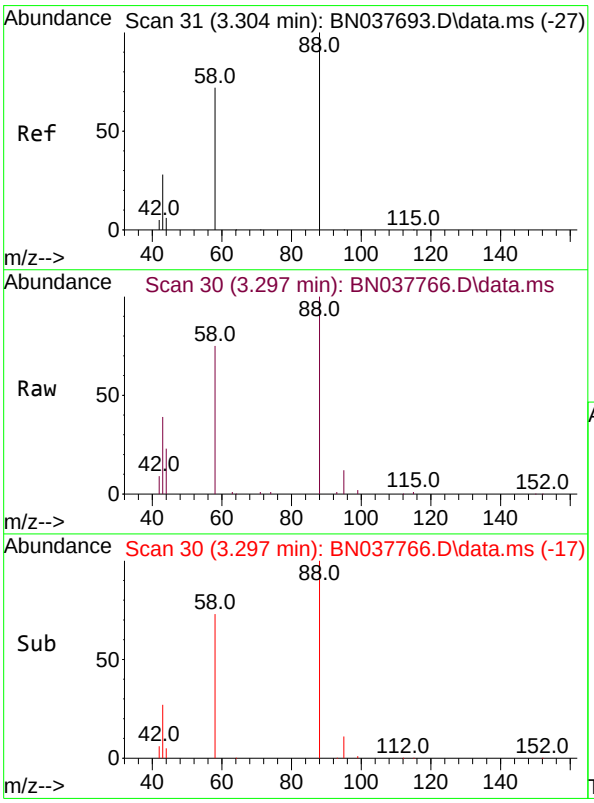
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.833 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN037766.D
Acq: 18 Sep 2025 06:59

Instrument :
BNA_N
ClientSampleId :
RE126D2-20250909

Tgt Ion:152 Resp: 8399

Ion	Ratio	Lower	Upper
152	100		
150	154.5	124.5	186.7
115	59.9	49.2	73.8

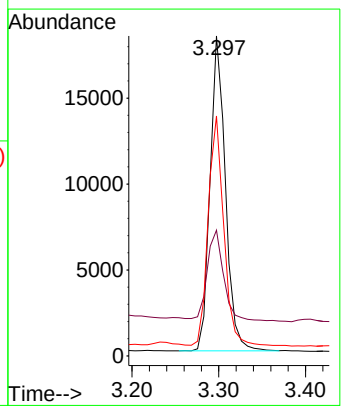


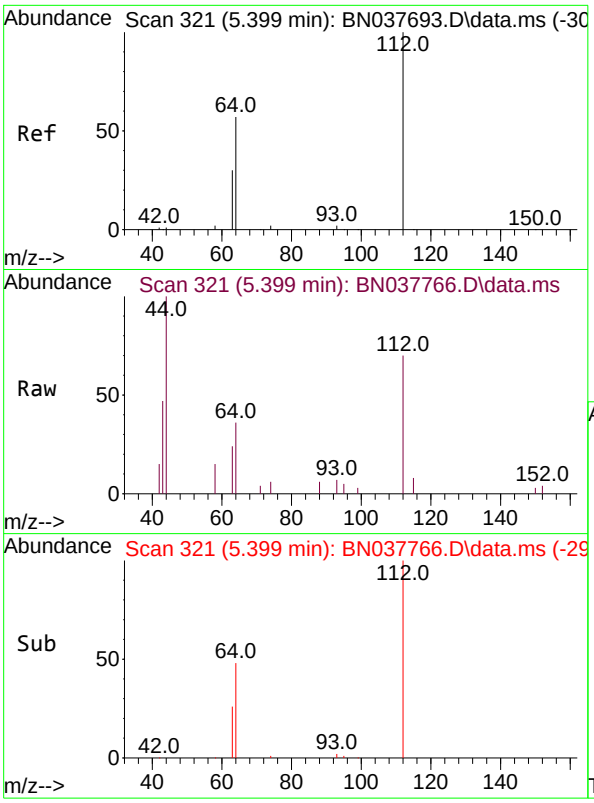


#2
1,4-Dioxane
Concen: 2.574 ng
RT: 3.297 min Scan# 30
Delta R.T. -0.007 min
Lab File: BN037766.D
Acq: 18 Sep 2025 06:59

Tgt Ion: 88 Resp: 22522

Ion	Ratio	Lower	Upper
88	100		
43	31.1	26.8	40.2
58	73.4	61.9	92.9



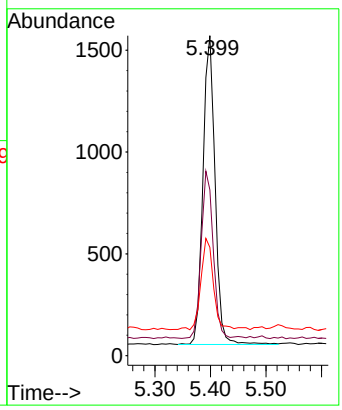


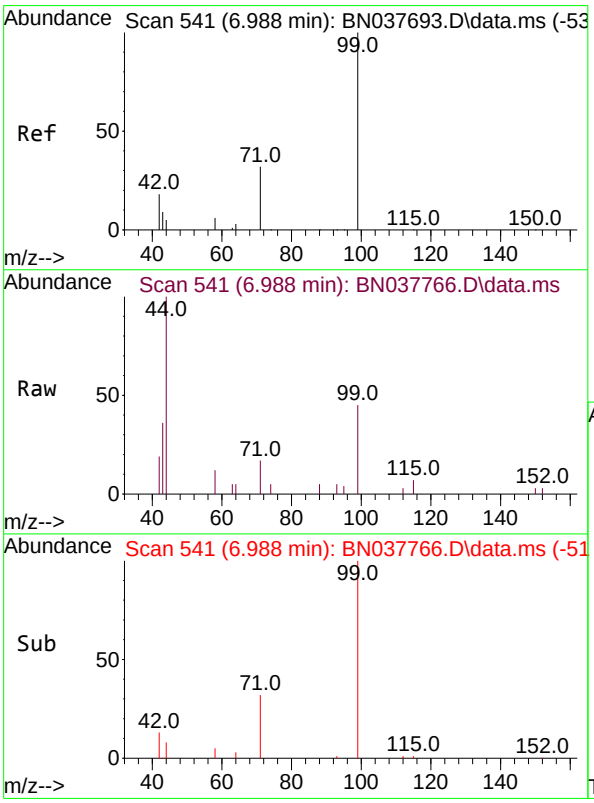
#4
2-Fluorophenol
Concen: 0.119 ng
RT: 5.399 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN037766.D
Acq: 18 Sep 2025 06:59

Instrument :
BNA_N
ClientSampleId :
RE126D2-20250909

Tgt Ion:112 Resp: 2304

Ion	Ratio	Lower	Upper
112	100		
64	53.8	44.9	67.3
63	29.9	24.7	37.1

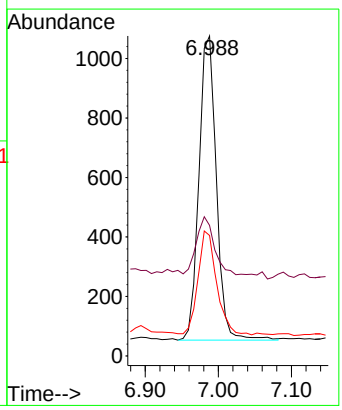


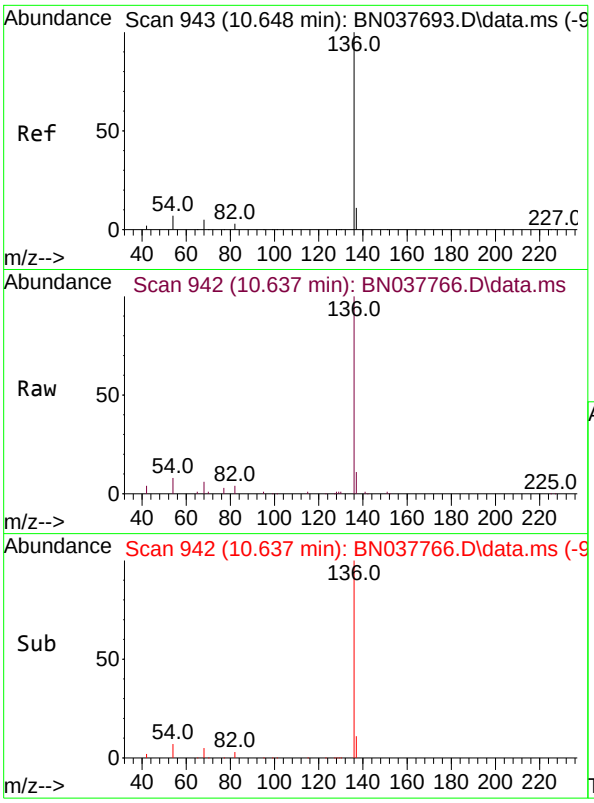


#5
Phenol-d6
Concen: 0.068 ng
RT: 6.988 min Scan# 541
Delta R.T. 0.000 min
Lab File: BN037766.D
Acq: 18 Sep 2025 06:59

Tgt Ion: 99 Resp: 1698

Ion	Ratio	Lower	Upper
99	100		
42	20.7	16.6	24.8
71	36.6	26.7	40.1



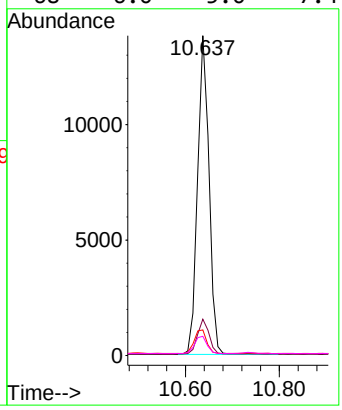


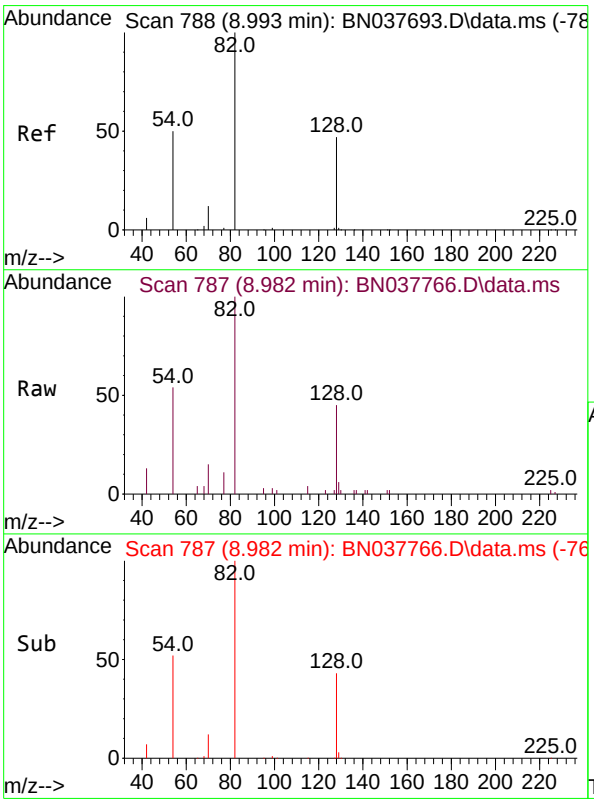
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.637 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037766.D
Acq: 18 Sep 2025 06:59

Instrument :
BNA_N
ClientSampleId :
RE126D2-20250909

Tgt Ion:136 Resp: 23335

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	8.0	6.3	9.5
68	6.0	5.0	7.4

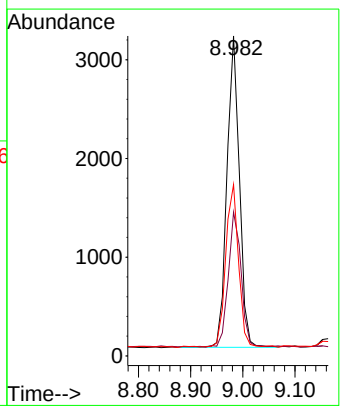


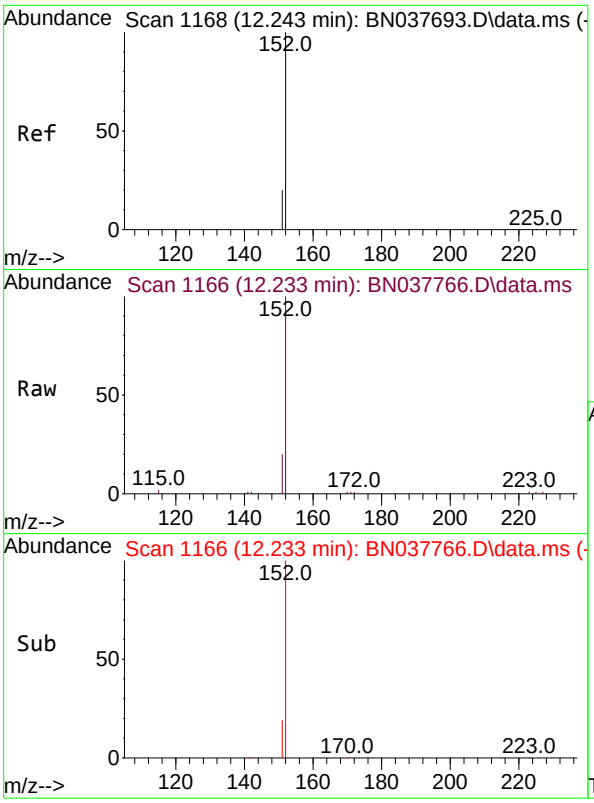


#8
Nitrobenzene-d5
Concen: 0.306 ng
RT: 8.982 min Scan# 787
Delta R.T. -0.011 min
Lab File: BN037766.D
Acq: 18 Sep 2025 06:59

Tgt Ion: 82 Resp: 5216

Ion	Ratio	Lower	Upper
82	100		
128	44.9	38.3	57.5
54	53.5	41.4	62.2



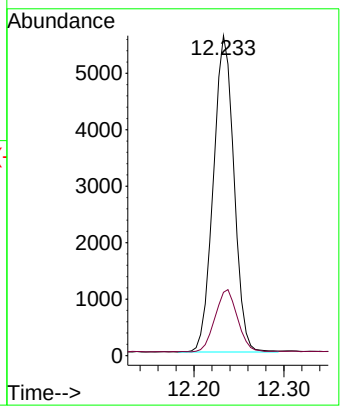


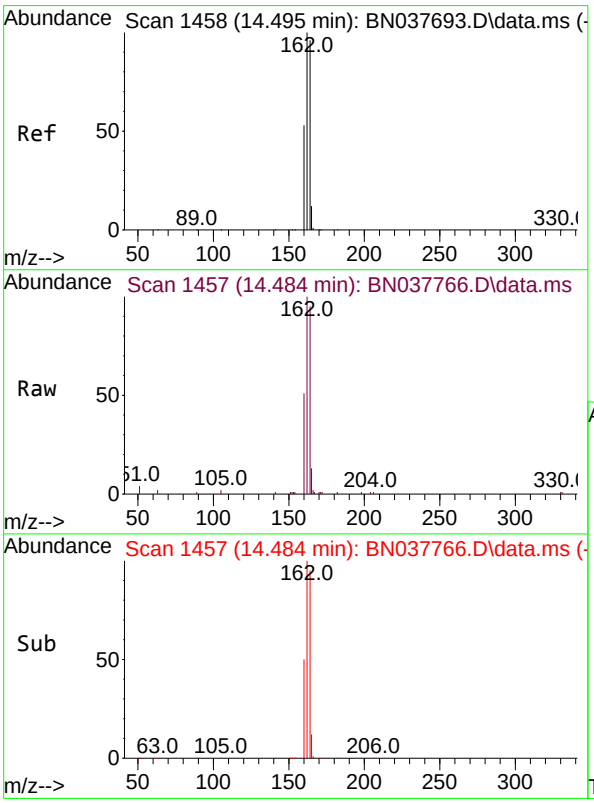
#11
2-Methylnaphthalene-d10
Concen: 0.290 ng
RT: 12.233 min Scan# 11
Delta R.T. -0.010 min
Lab File: BN037766.D
Acq: 18 Sep 2025 06:59

Instrument :
BNA_N
ClientSampleId :
RE126D2-20250909

Tgt Ion:152 Resp: 8958

Ion	Ratio	Lower	Upper
152	100		
151	21.3	17.0	25.6

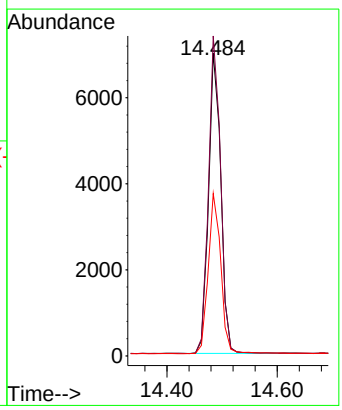


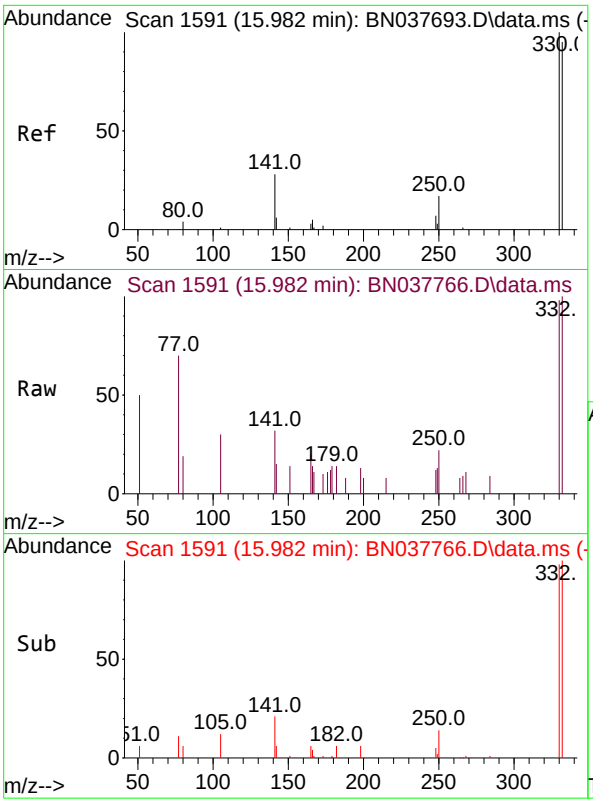


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.484 min Scan# 1457
Delta R.T. -0.011 min
Lab File: BN037766.D
Acq: 18 Sep 2025 06:59

Tgt Ion:164 Resp: 10732

Ion	Ratio	Lower	Upper
164	100		
162	105.6	83.1	124.7
160	53.6	44.3	66.5



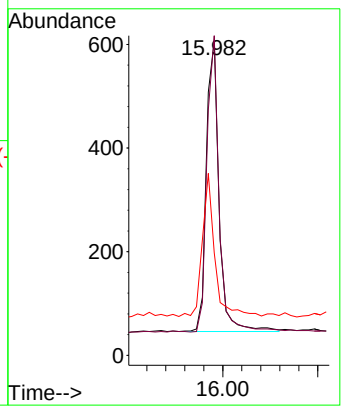


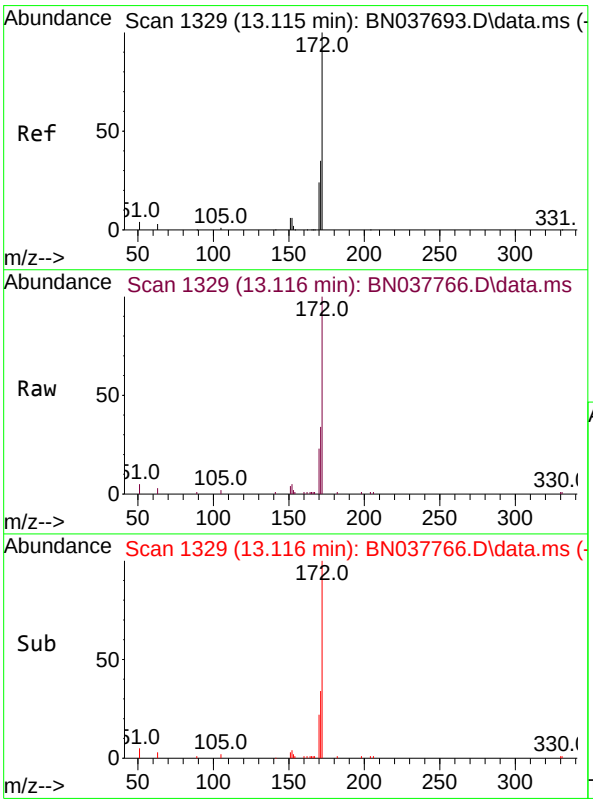
#14
2,4,6-Tribromophenol
Concen: 0.370 ng
RT: 15.982 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037766.D
Acq: 18 Sep 2025 06:59

Instrument :
BNA_N
ClientSampleId :
RE126D2-20250909

Tgt Ion:330 Resp: 1036

Ion	Ratio	Lower	Upper
330	100		
332	98.0	75.3	112.9
141	47.9	35.0	52.4

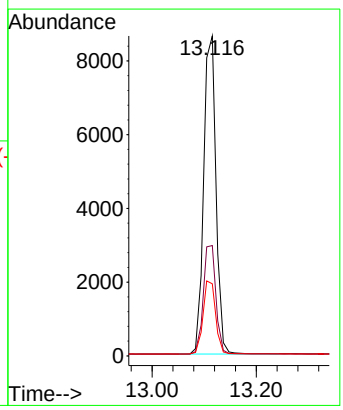


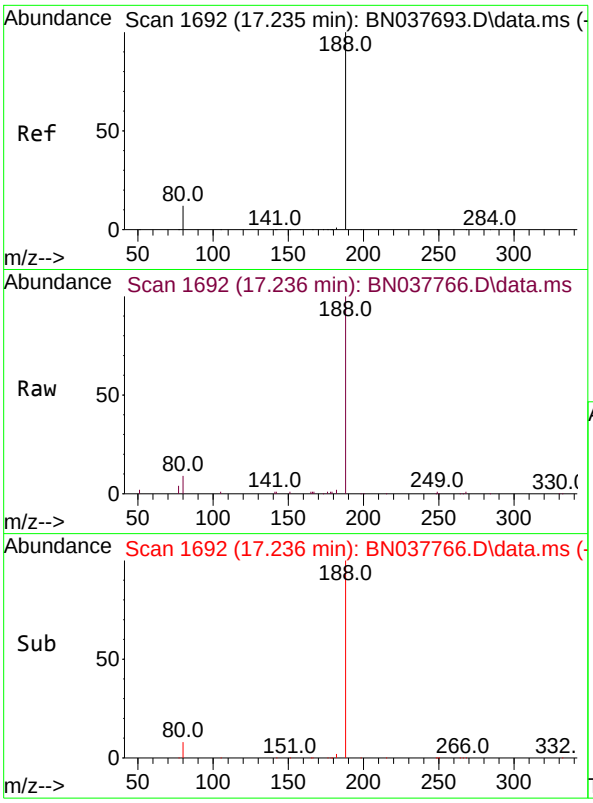


#15
2-Fluorobiphenyl
Concen: 0.317 ng
RT: 13.116 min Scan# 1329
Delta R.T. 0.000 min
Lab File: BN037766.D
Acq: 18 Sep 2025 06:59

Tgt Ion:172 Resp: 14218

Ion	Ratio	Lower	Upper
172	100		
171	34.5	28.6	43.0
170	22.5	19.8	29.8



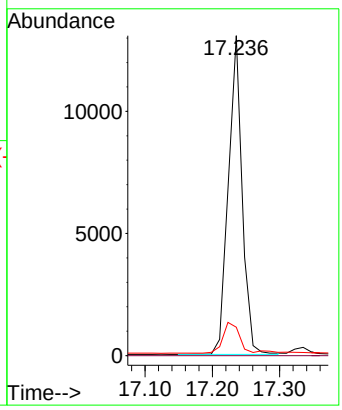


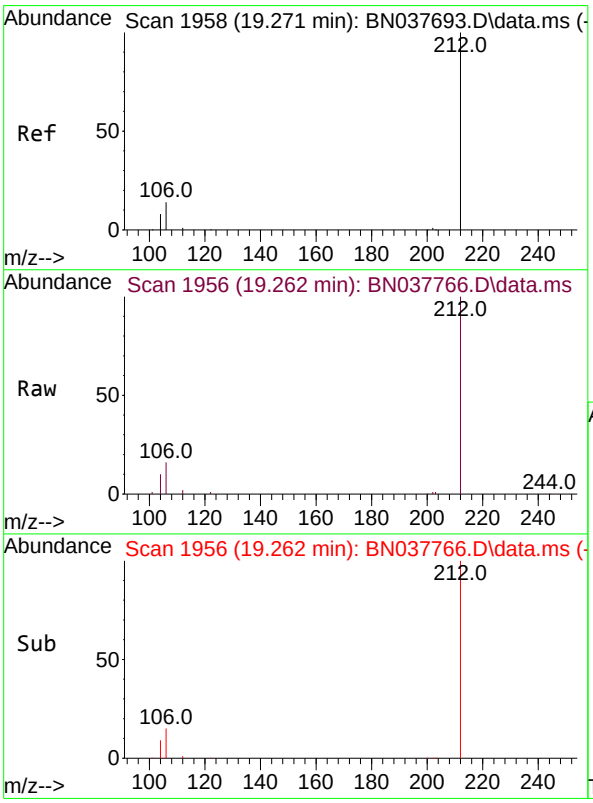
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.236 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037766.D
Acq: 18 Sep 2025 06:59

Instrument :
BNA_N
ClientSampleId :
RE126D2-20250909

Tgt Ion:188 Resp: 18615

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.9	10.6	15.8#

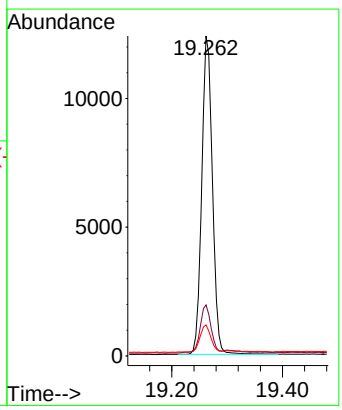


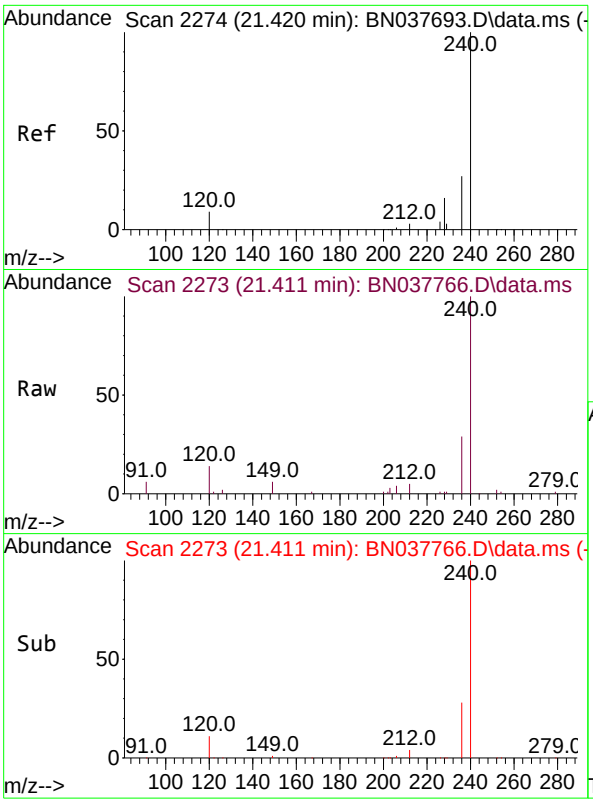


#27
Fluoranthene-d10
Concen: 0.351 ng
RT: 19.262 min Scan# 1956
Delta R.T. -0.009 min
Lab File: BN037766.D
Acq: 18 Sep 2025 06:59

Tgt Ion:212 Resp: 16425

Ion	Ratio	Lower	Upper
212	100		
106	15.7	12.2	18.2
104	8.8	6.9	10.3



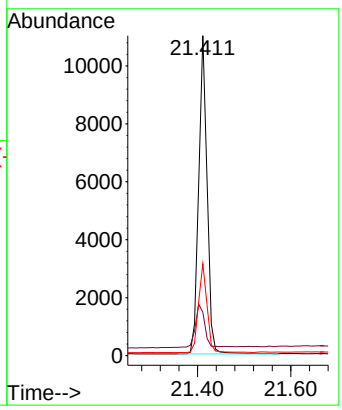


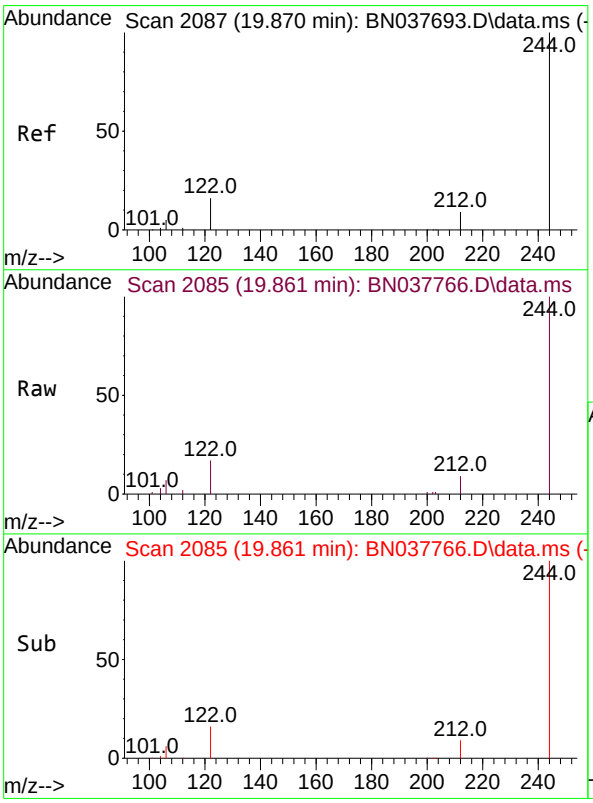
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.411 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN037766.D
Acq: 18 Sep 2025 06:59

Instrument :
BNA_N
ClientSampleId :
RE126D2-20250909

Tgt Ion:240 Resp: 13639

Ion	Ratio	Lower	Upper
240	100		
120	13.5	9.2	13.8
236	28.7	22.6	33.8

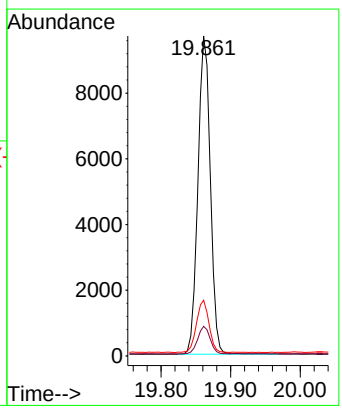


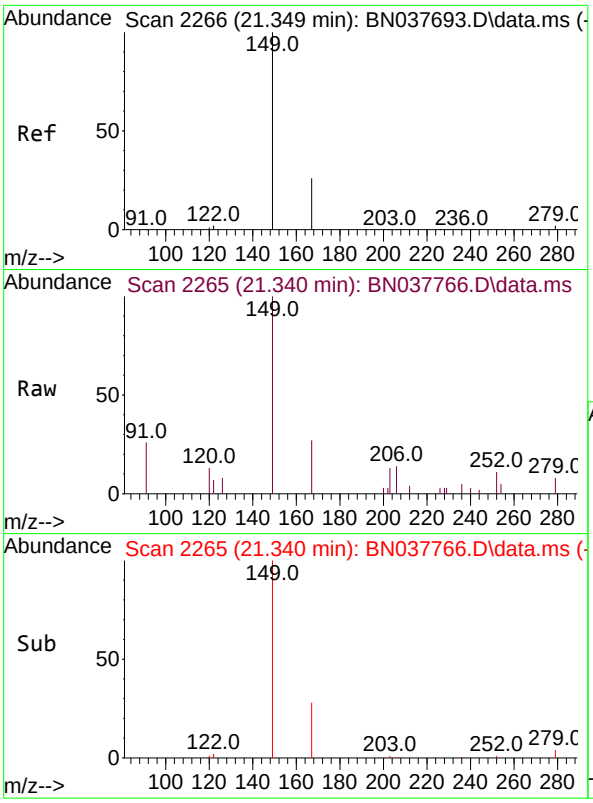


#31
Terphenyl-d14
Concen: 0.432 ng
RT: 19.861 min Scan# 2085
Delta R.T. -0.009 min
Lab File: BN037766.D
Acq: 18 Sep 2025 06:59

Tgt Ion:244 Resp: 11960

Ion	Ratio	Lower	Upper
244	100		
212	9.2	7.5	11.3
122	17.4	13.2	19.8



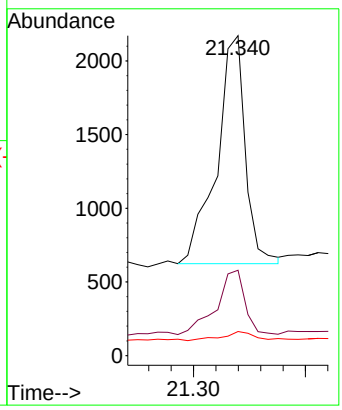


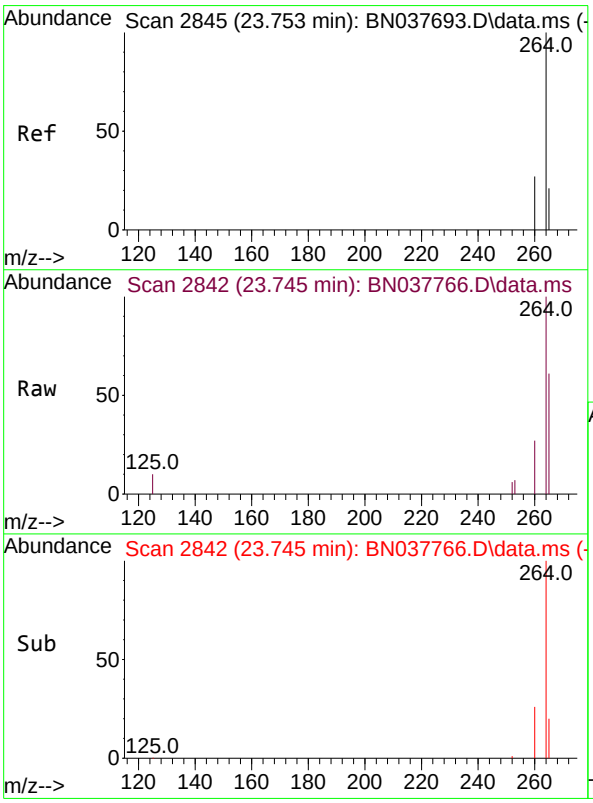
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.195 ng
RT: 21.340 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN037766.D
Acq: 18 Sep 2025 06:59

Instrument :
BNA_N
ClientSampleId :
RE126D2-20250909

Tgt Ion:149 Resp: 2756

Ion	Ratio	Lower	Upper
149	100		
167	28.0	20.8	31.2
279	4.9	3.3	4.9

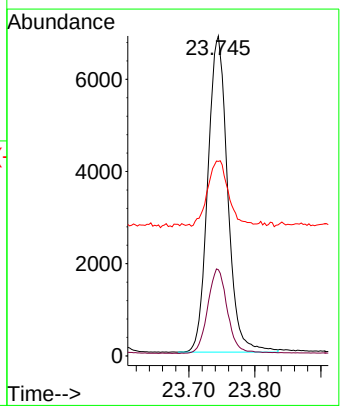




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.745 min Scan# 2842
Delta R.T. -0.009 min
Lab File: BN037766.D
Acq: 18 Sep 2025 06:59

Tgt Ion:264 Resp: 14319

Ion	Ratio	Lower	Upper
264	100		
260	26.9	21.8	32.8
265	60.8	39.4	59.2#



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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	RE126D3-20250909	SDG No.:	Q3095
Lab Sample ID:	Q3095-19	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
BN037767.D	1	09/15/25 10:15	09/18/25 07:35	PB169692

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.43		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.34		30 - 150		85%	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		93%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.38		53 - 106		95%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.48		58 - 132		120%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	8360	7.833				
1146-65-2	Naphthalene-d8	22900	10.637				
15067-26-2	Acenaphthene-d10	10200	14.484				
1517-22-2	Phenanthrene-d10	17500	17.236				
1719-03-5	Chrysene-d12	14100	21.411				
1520-96-3	Perylene-d12	14400	23.745				

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\BN091725\
Data File : BN037767.D
Acq On : 18 Sep 2025 07:35
Operator : RC/JU
Sample : Q3095-19
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE126D3-20250909

Quant Time: Sep 18 07:59:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

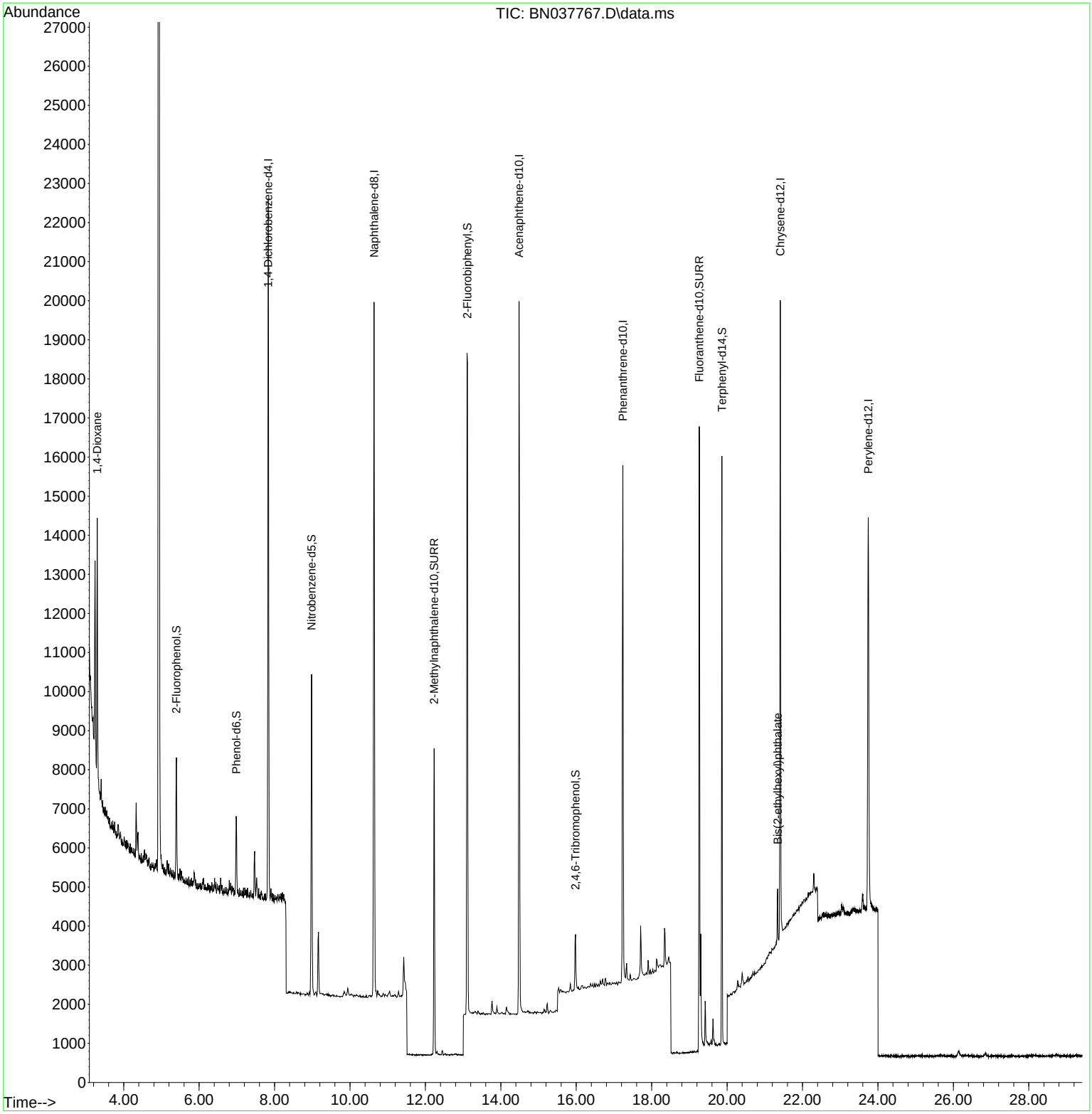
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.833	152	8360	0.400	ng	0.00
7) Naphthalene-d8	10.637	136	22865	0.400	ng	-0.01
13) Acenaphthene-d10	14.484	164	10200	0.400	ng	-0.01
19) Phenanthrene-d10	17.236	188	17532	0.400	ng	# 0.00
29) Chrysene-d12	21.411	240	14129	0.400	ng	# 0.00
35) Perylene-d12	23.745	264	14395	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.399	112	2560	0.133	ng	0.00
5) Phenol-d6	6.988	99	1878	0.075	ng	0.00
8) Nitrobenzene-d5	8.982	82	6211	0.371	ng	-0.01
11) 2-Methylnaphthalene-d10	12.233	152	10276	0.339	ng	-0.01
14) 2,4,6-Tribromophenol	15.982	330	987	0.371	ng	0.00
15) 2-Fluorobiphenyl	13.116	172	16260	0.381	ng	0.00
27) Fluoranthene-d10	19.262	212	18084	0.411	ng	0.00
31) Terphenyl-d14	19.861	244	13760	0.480	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.297	88	3731	0.428	ng	# 93
34) Bis(2-ethylhexyl)phtha...	21.340	149	1409	0.096	ng	99

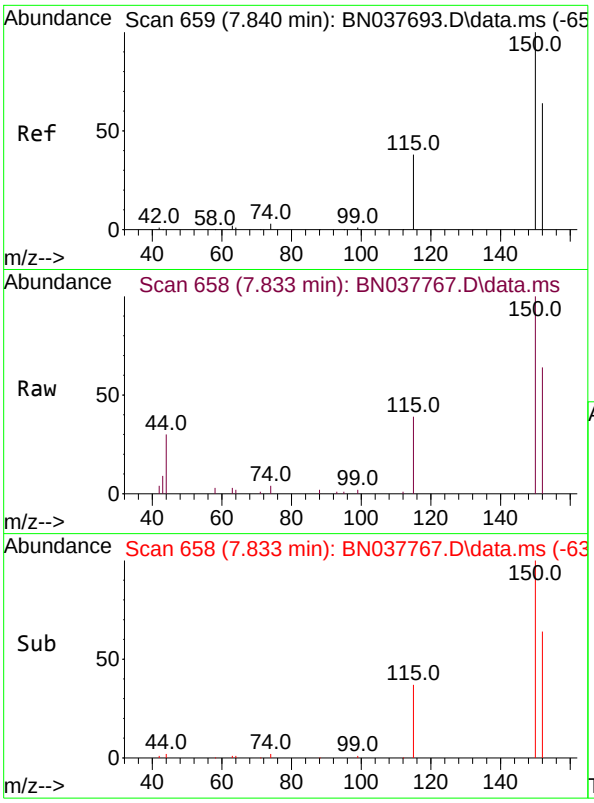
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091725\
Data File : BN037767.D
Acq On : 18 Sep 2025 07:35
Operator : RC/JU
Sample : Q3095-19
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE126D3-20250909

Quant Time: Sep 18 07:59:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration



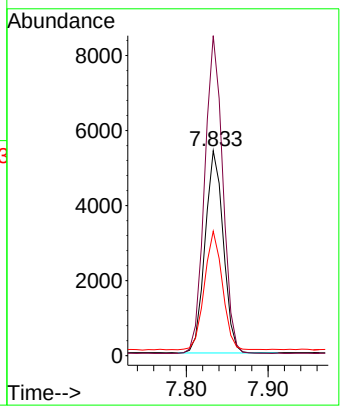


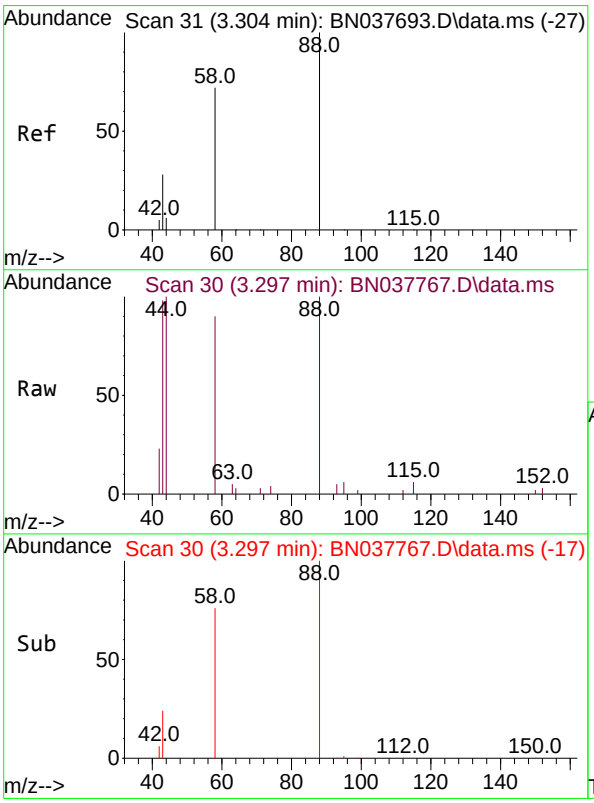
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.833 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN037767.D
Acq: 18 Sep 2025 07:35

Instrument :
BNA_N
ClientSampleId :
RE126D3-20250909

Tgt Ion:152 Resp: 8360

Ion	Ratio	Lower	Upper
152	100		
150	156.2	124.5	186.7
115	60.8	49.2	73.8

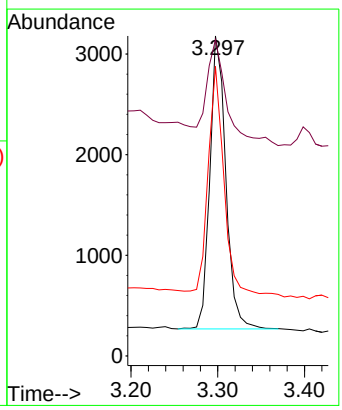


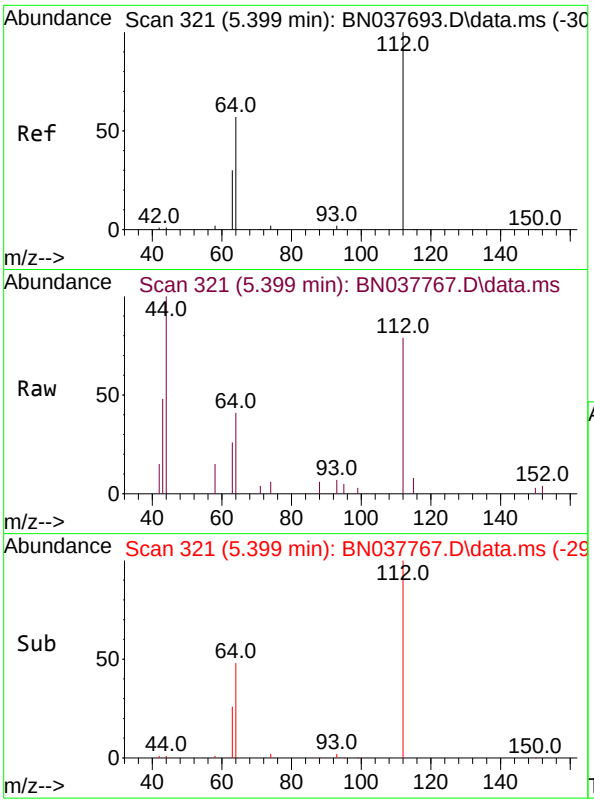


#2
1,4-Dioxane
Concen: 0.428 ng
RT: 3.297 min Scan# 30
Delta R.T. -0.007 min
Lab File: BN037767.D
Acq: 18 Sep 2025 07:35

Tgt Ion: 88 Resp: 3731

Ion	Ratio	Lower	Upper
88	100		
43	45.5	26.8	40.2#
58	76.1	61.9	92.9



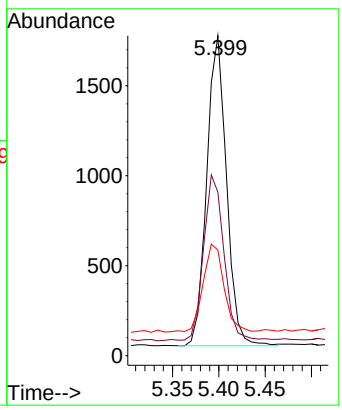


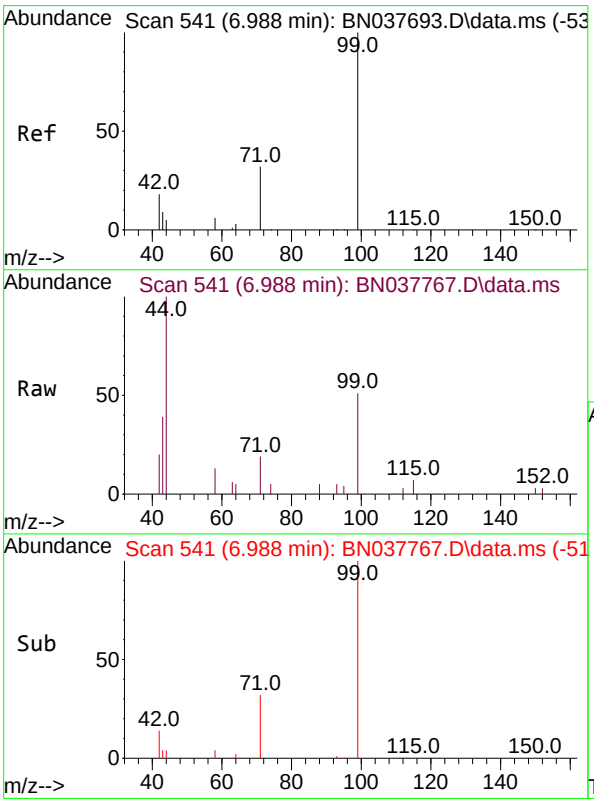
#4
2-Fluorophenol
Concen: 0.133 ng
RT: 5.399 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN037767.D
Acq: 18 Sep 2025 07:35

Instrument :
BNA_N
ClientSampleId :
RE126D3-20250909

Tgt Ion:112 Resp: 2560

Ion	Ratio	Lower	Upper
112	100		
64	55.7	44.9	67.3
63	29.7	24.7	37.1

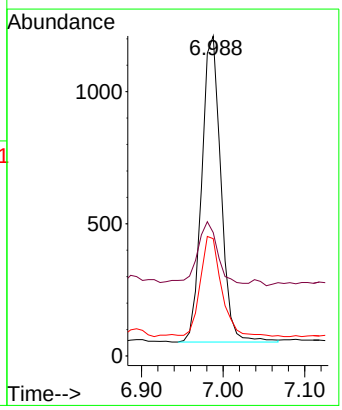


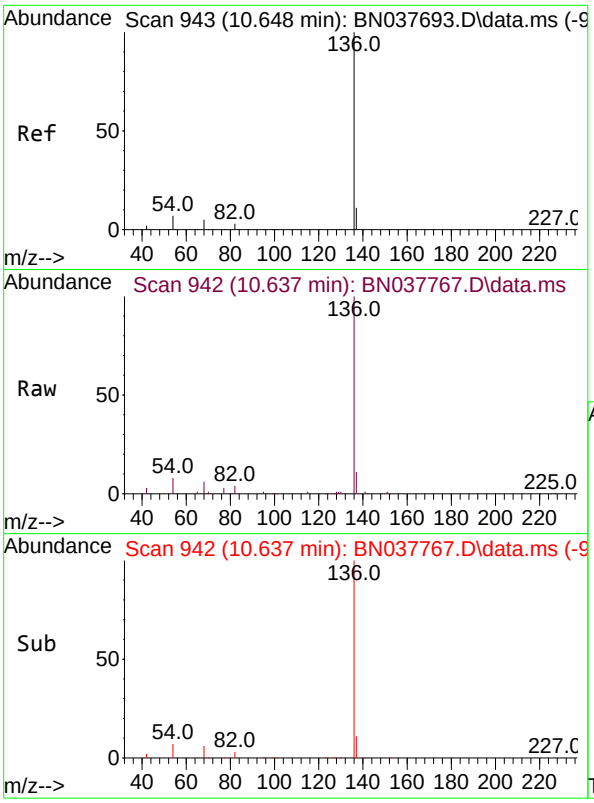


#5
Phenol-d6
Concen: 0.075 ng
RT: 6.988 min Scan# 541
Delta R.T. 0.000 min
Lab File: BN037767.D
Acq: 18 Sep 2025 07:35

Tgt Ion: 99 Resp: 1878

Ion	Ratio	Lower	Upper
99	100		
42	20.6	16.6	24.8
71	37.8	26.7	40.1



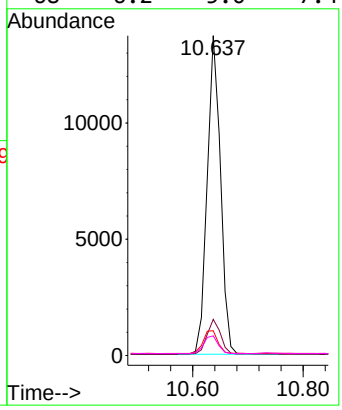


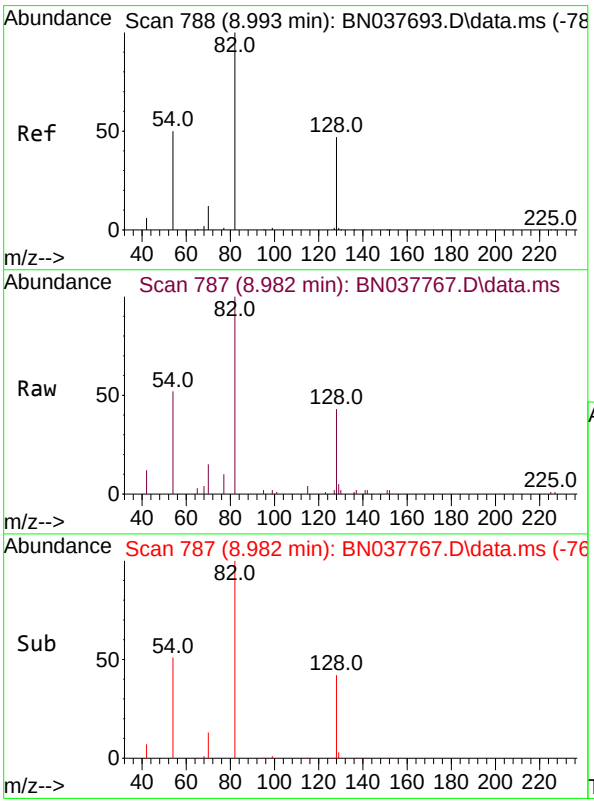
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.637 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037767.D
Acq: 18 Sep 2025 07:35

Instrument :
BNA_N
ClientSampleId :
RE126D3-20250909

Tgt Ion:136 Resp: 22865

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	7.7	6.3	9.5
68	6.2	5.0	7.4

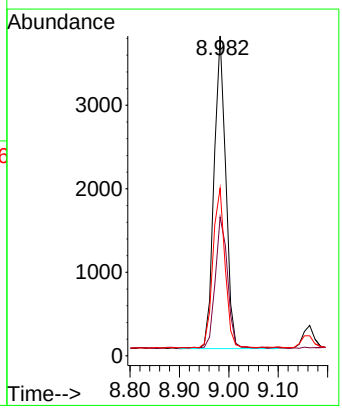


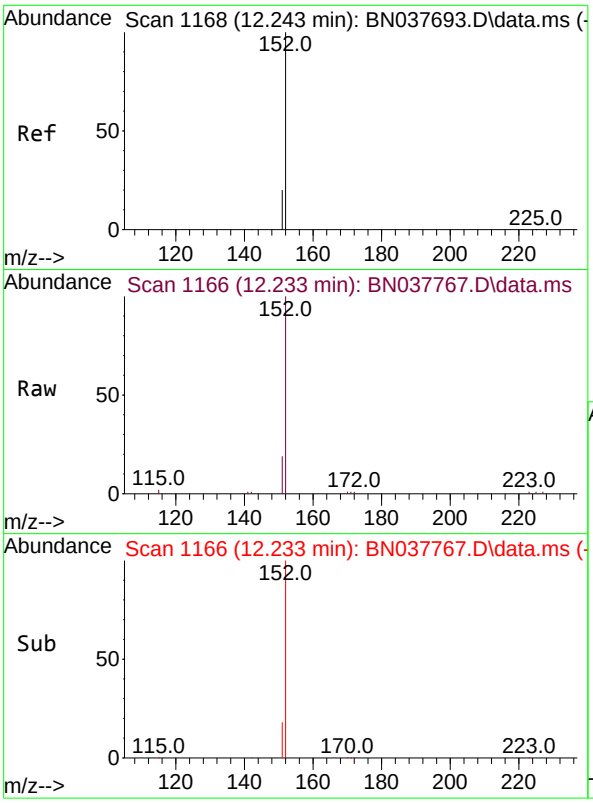


#8
Nitrobenzene-d5
Concen: 0.371 ng
RT: 8.982 min Scan# 787
Delta R.T. -0.011 min
Lab File: BN037767.D
Acq: 18 Sep 2025 07:35

Tgt Ion: 82 Resp: 6211

Ion	Ratio	Lower	Upper
82	100		
128	43.4	38.3	57.5
54	52.4	41.4	62.2



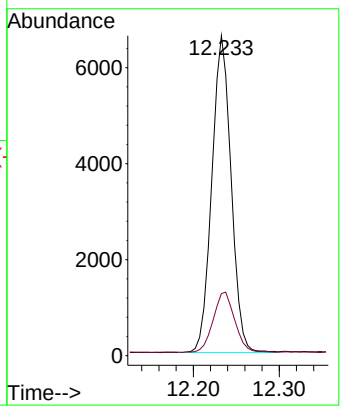


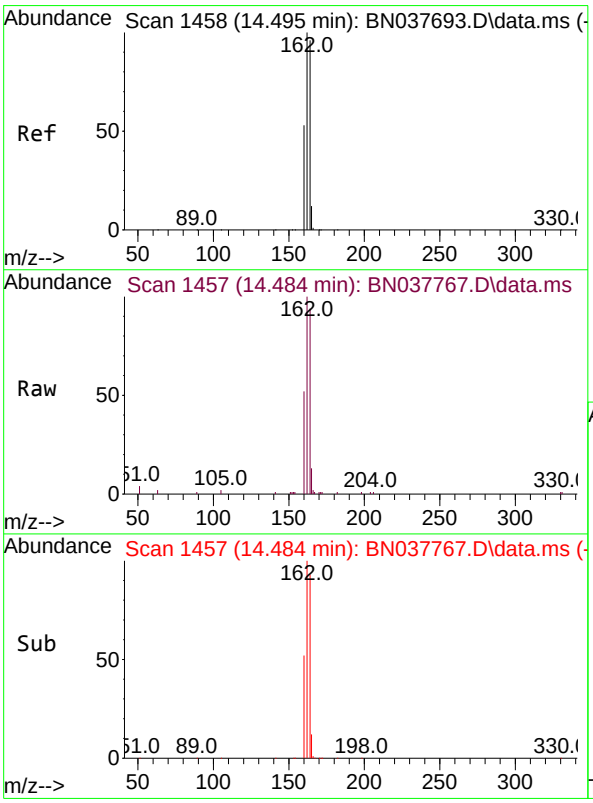
#11
2-Methylnaphthalene-d10
Concen: 0.339 ng
RT: 12.233 min Scan# 11
Delta R.T. -0.010 min
Lab File: BN037767.D
Acq: 18 Sep 2025 07:35

Instrument :
BNA_N
ClientSampleId :
RE126D3-20250909

Tgt Ion:152 Resp: 10276

Ion	Ratio	Lower	Upper
152	100		
151	21.3	17.0	25.6

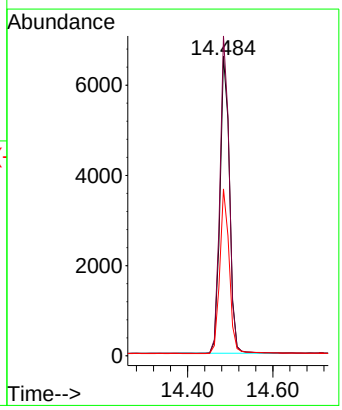


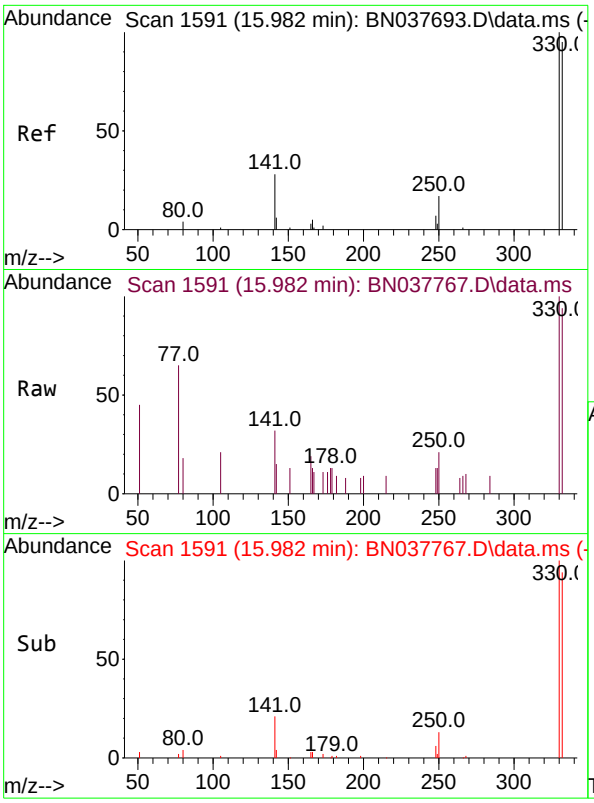


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.484 min Scan# 1457
Delta R.T. -0.011 min
Lab File: BN037767.D
Acq: 18 Sep 2025 07:35

Tgt Ion:164 Resp: 10200

Ion	Ratio	Lower	Upper
164	100		
162	106.9	83.1	124.7
160	55.8	44.3	66.5



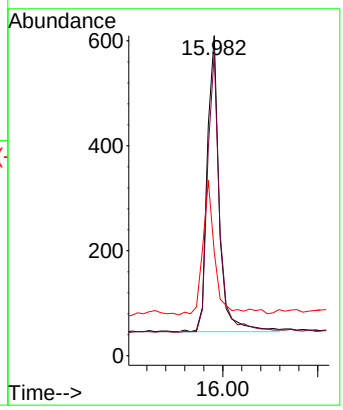


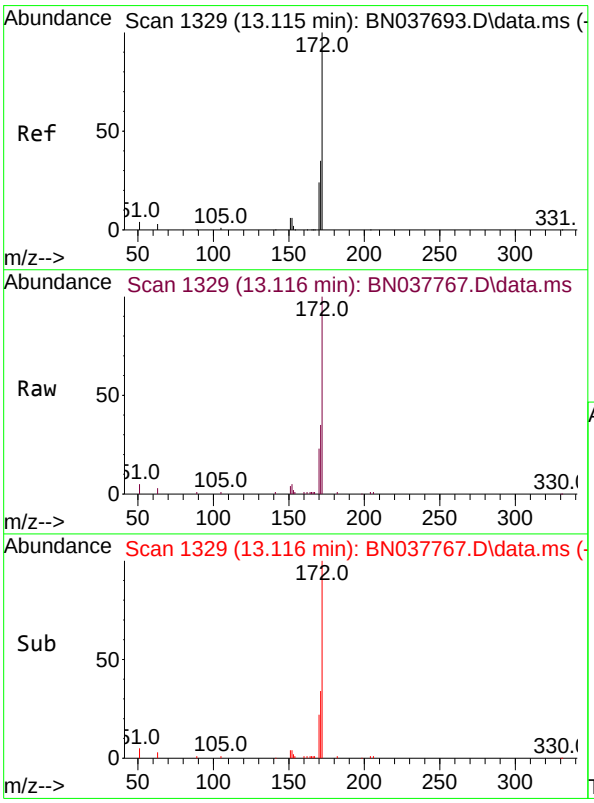
#14
2,4,6-Tribromophenol
Concen: 0.371 ng
RT: 15.982 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037767.D
Acq: 18 Sep 2025 07:35

Instrument :
BNA_N
ClientSampleId :
RE126D3-20250909

Tgt Ion:330 Resp: 987

Ion	Ratio	Lower	Upper
330	100		
332	95.0	75.3	112.9
141	44.8	35.0	52.4

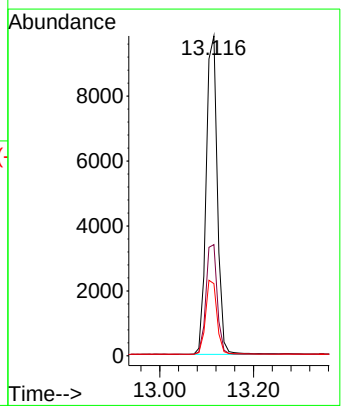


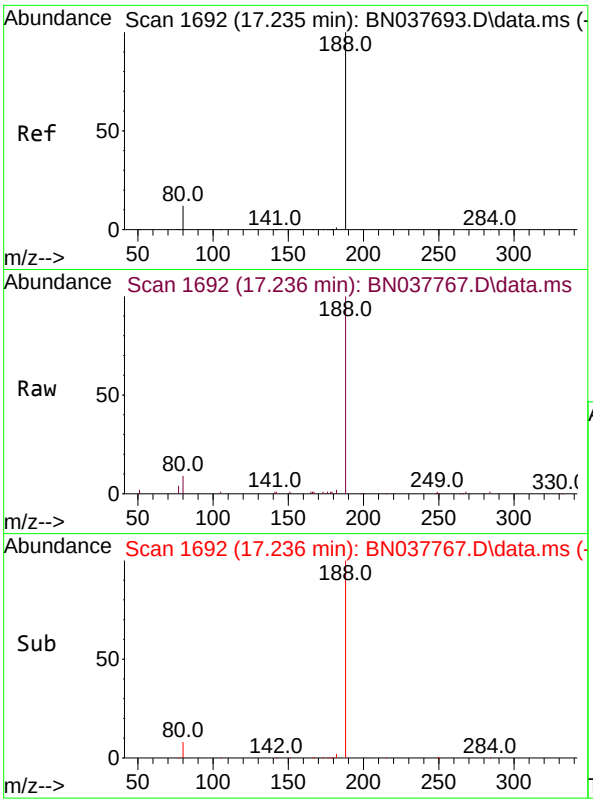


#15
2-Fluorobiphenyl
Concen: 0.381 ng
RT: 13.116 min Scan# 1329
Delta R.T. 0.000 min
Lab File: BN037767.D
Acq: 18 Sep 2025 07:35

Tgt Ion:172 Resp: 16260

Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.6	43.0
170	22.6	19.8	29.8



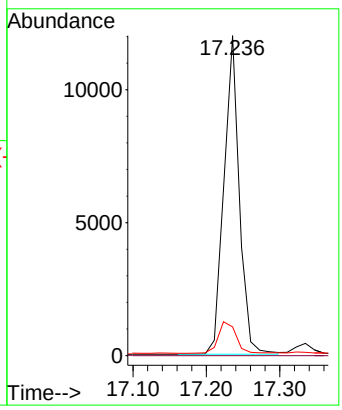


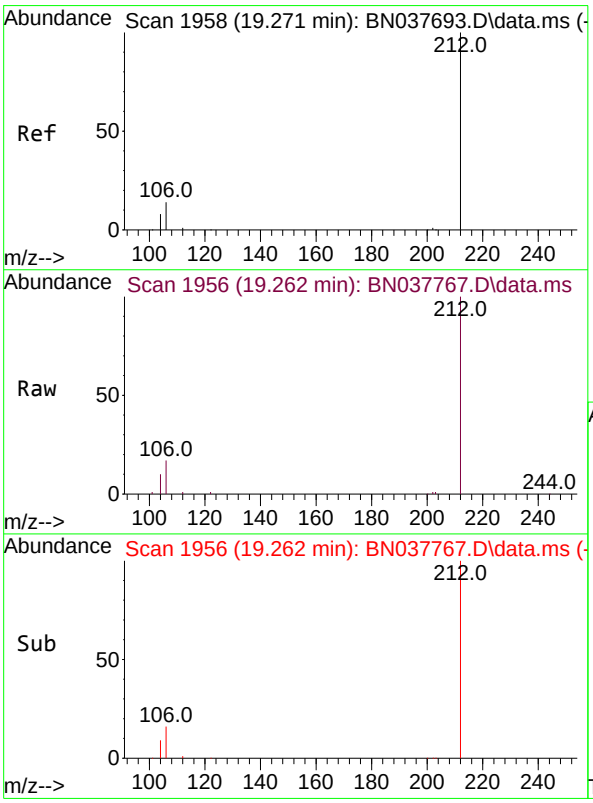
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.236 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN037767.D
Acq: 18 Sep 2025 07:35

Instrument :
BNA_N
ClientSampleId :
RE126D3-20250909

Tgt Ion:188 Resp: 17532

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.0	10.6	15.8#

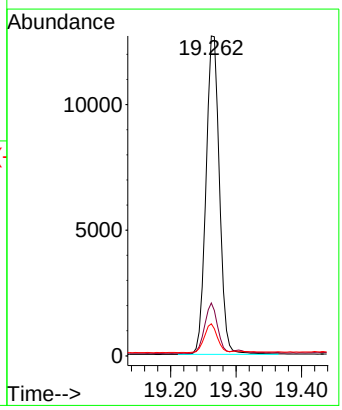


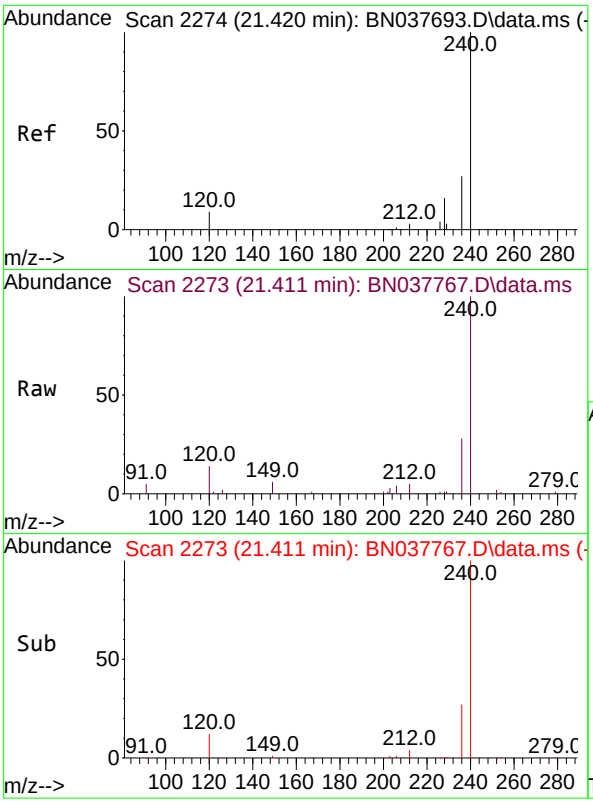


#27
Fluoranthene-d10
Concen: 0.411 ng
RT: 19.262 min Scan# 1956
Delta R.T. -0.009 min
Lab File: BN037767.D
Acq: 18 Sep 2025 07:35

Tgt Ion:212 Resp: 18084

Ion	Ratio	Lower	Upper
212	100		
106	15.1	12.2	18.2
104	8.7	6.9	10.3



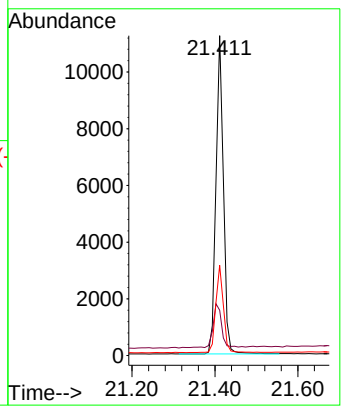


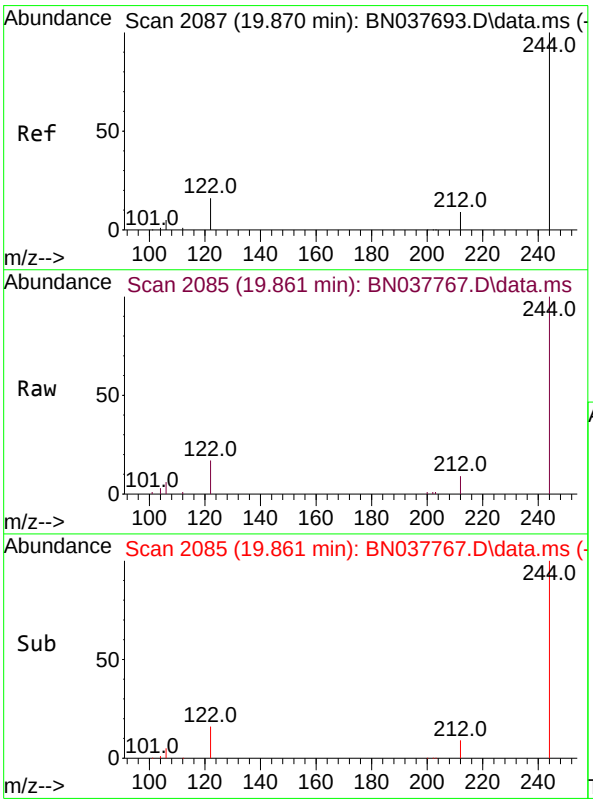
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.411 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN037767.D
Acq: 18 Sep 2025 07:35

Instrument :
BNA_N
ClientSampleId :
RE126D3-20250909

Tgt Ion:240 Resp: 14129

Ion	Ratio	Lower	Upper
240	100		
120	14.2	9.2	13.8#
236	28.2	22.6	33.8

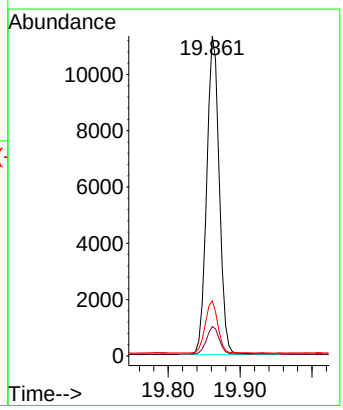


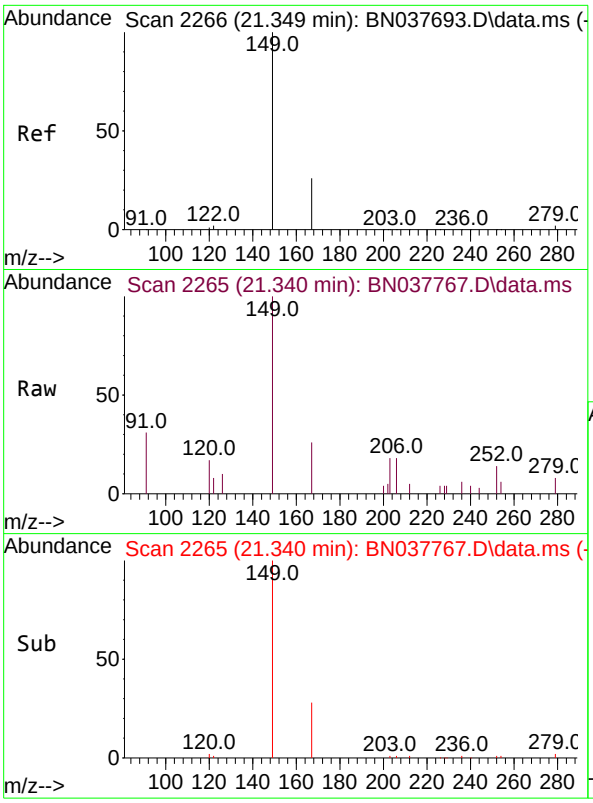


#31
Terphenyl-d14
Concen: 0.480 ng
RT: 19.861 min Scan# 2085
Delta R.T. -0.009 min
Lab File: BN037767.D
Acq: 18 Sep 2025 07:35

Tgt Ion:244 Resp: 13760

Ion	Ratio	Lower	Upper
244	100		
212	9.2	7.5	11.3
122	17.2	13.2	19.8



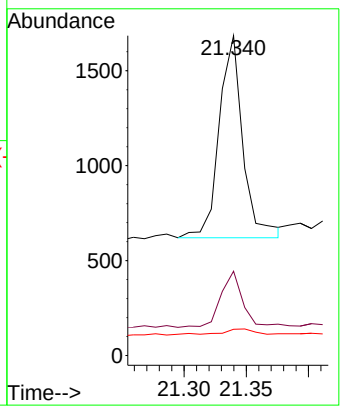


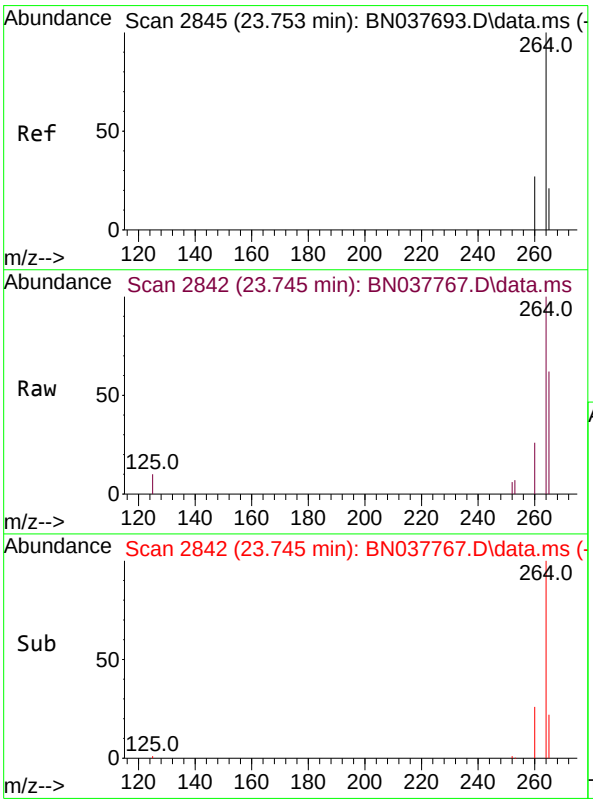
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.096 ng
RT: 21.340 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN037767.D
Acq: 18 Sep 2025 07:35

Instrument :
BNA_N
ClientSampleId :
RE126D3-20250909

Tgt Ion:149 Resp: 1409

Ion	Ratio	Lower	Upper
149	100		
167	26.6	20.8	31.2
279	4.6	3.3	4.9

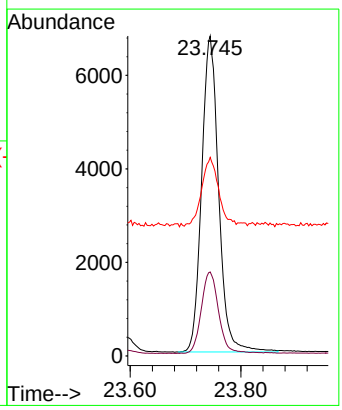




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.745 min Scan# 2842
Delta R.T. -0.009 min
Lab File: BN037767.D
Acq: 18 Sep 2025 07:35

Tgt Ion:264 Resp: 14395

Ion	Ratio	Lower	Upper
264	100		
260	26.2	21.8	32.8
265	62.0	39.4	59.2#



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:	09/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	MW178S-20250910	SDG No.:	Q3095
Lab Sample ID:	Q3095-20	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
BN037768.D	1	09/15/25 10:15	09/18/25 08:11	PB169692

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.11	J	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.26		30 - 150		64%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.30		30 - 150		76%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.28		55 - 111		71%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.28		53 - 106		71%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.29		58 - 132		74%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7450	7.833				
1146-65-2	Naphthalene-d8	20000	10.637				
15067-26-2	Acenaphthene-d10	9140	14.484				
1517-22-2	Phenanthrene-d10	17500	17.235				
1719-03-5	Chrysene-d12	16200	21.411				
1520-96-3	Perylene-d12	15600	23.744				

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\BN091725\
Data File : BN037768.D
Acq On : 18 Sep 2025 08:11
Operator : RC/JU
Sample : Q3095-20
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW178S-20250910

Quant Time: Sep 18 08:46:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

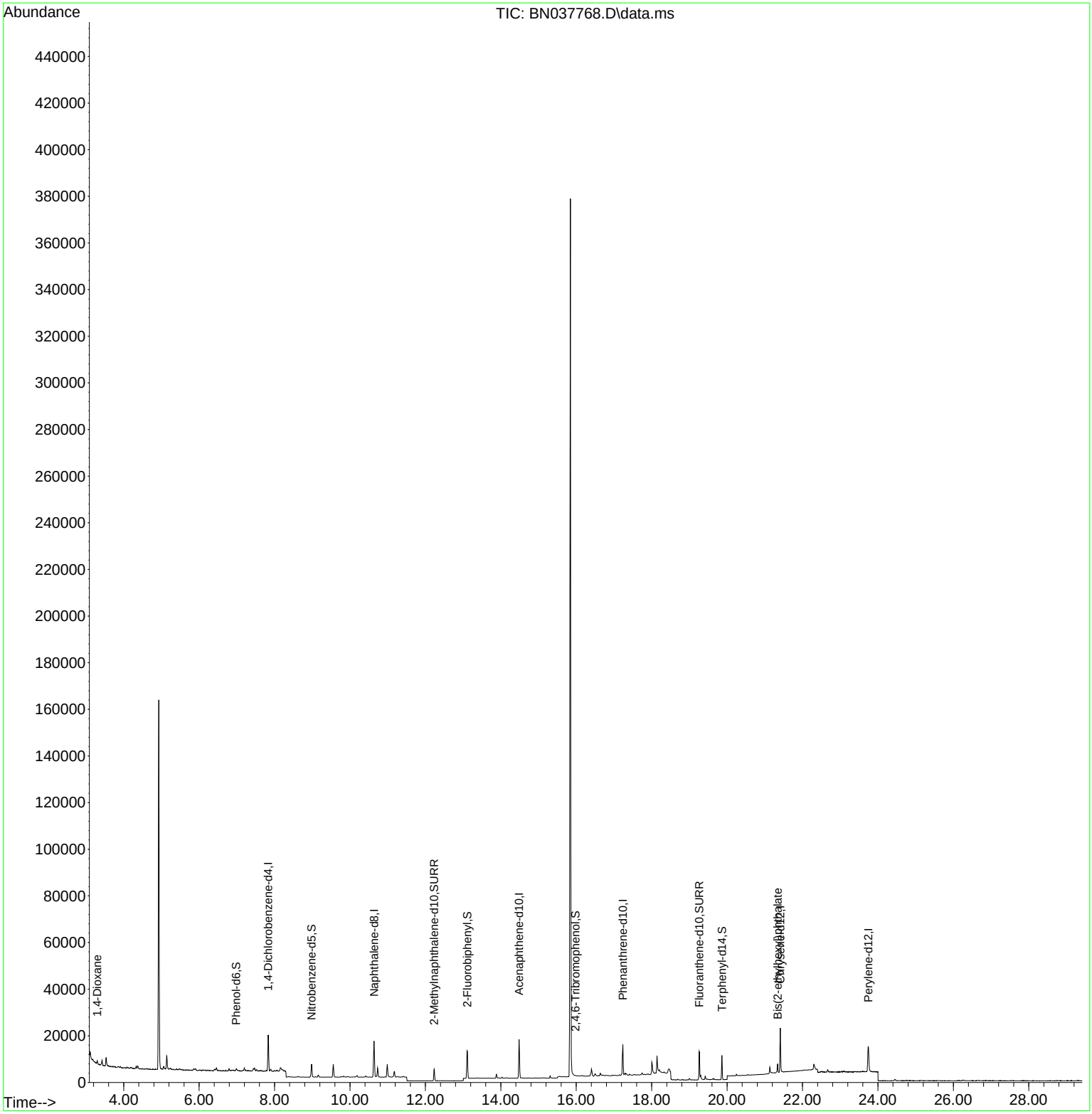
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.833	152	7451	0.400	ng	0.00
7) Naphthalene-d8	10.637	136	19960	0.400	ng	-0.01
13) Acenaphthene-d10	14.484	164	9139	0.400	ng	-0.01
19) Phenanthrene-d10	17.235	188	17489	0.400	ng	# 0.00
29) Chrysene-d12	21.411	240	16160	0.400	ng	0.00
35) Perylene-d12	23.744	264	15607	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.399	112	323	0.019	ng	0.00
5) Phenol-d6	6.980	99	674	0.030	ng	0.00
8) Nitrobenzene-d5	8.982	82	4143	0.284	ng	-0.01
11) 2-Methylnaphthalene-d10	12.233	152	6791	0.257	ng	-0.01
14) 2,4,6-Tribromophenol	15.982	330	68	0.029	ng	0.00
15) 2-Fluorobiphenyl	13.115	172	10809	0.283	ng	0.00
27) Fluoranthene-d10	19.262	212	13318	0.303	ng	0.00
31) Terphenyl-d14	19.861	244	9643	0.294	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.297	88	855	0.110	ng	# 81
34) Bis(2-ethylhexyl)phtha...	21.340	149	3845	0.230	ng	100

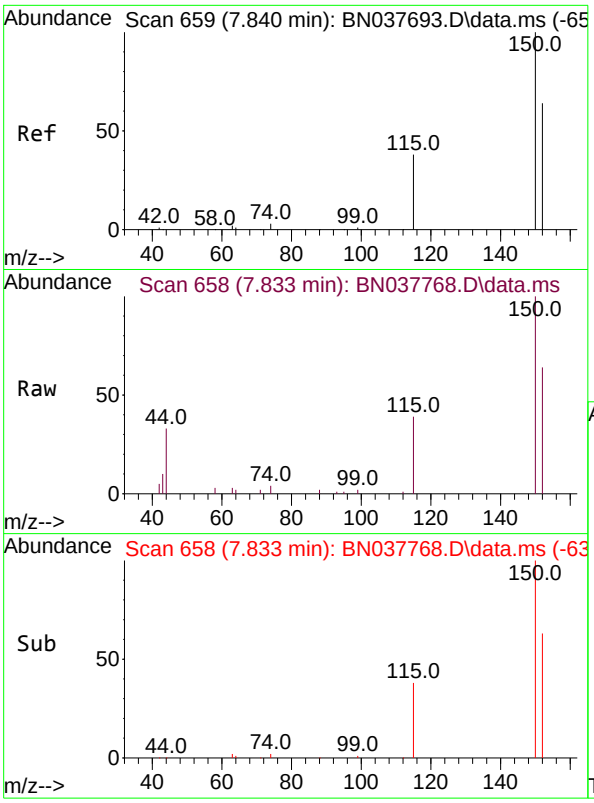
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091725\
Data File : BN037768.D
Acq On : 18 Sep 2025 08:11
Operator : RC/JU
Sample : Q3095-20
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW178S-20250910

Quant Time: Sep 18 08:46:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration



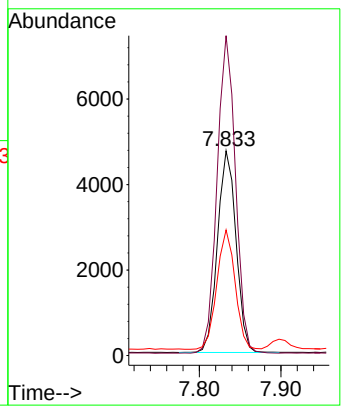


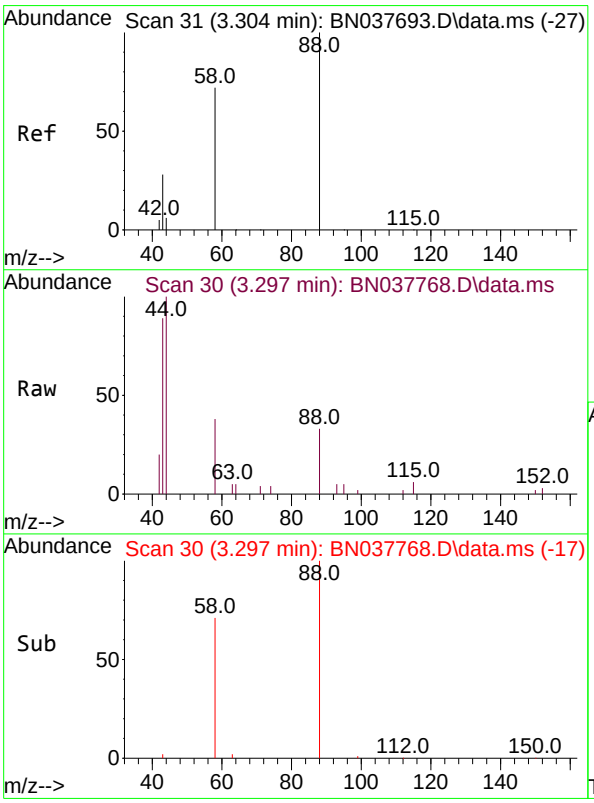
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.833 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN037768.D
Acq: 18 Sep 2025 08:11

Instrument :
BNA_N
ClientSampleId :
MW178S-20250910

Tgt Ion:152 Resp: 7451

Ion	Ratio	Lower	Upper
152	100		
150	156.3	124.5	186.7
115	61.4	49.2	73.8

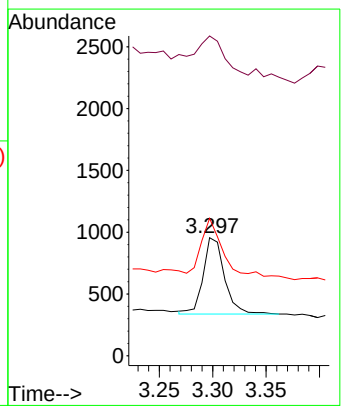


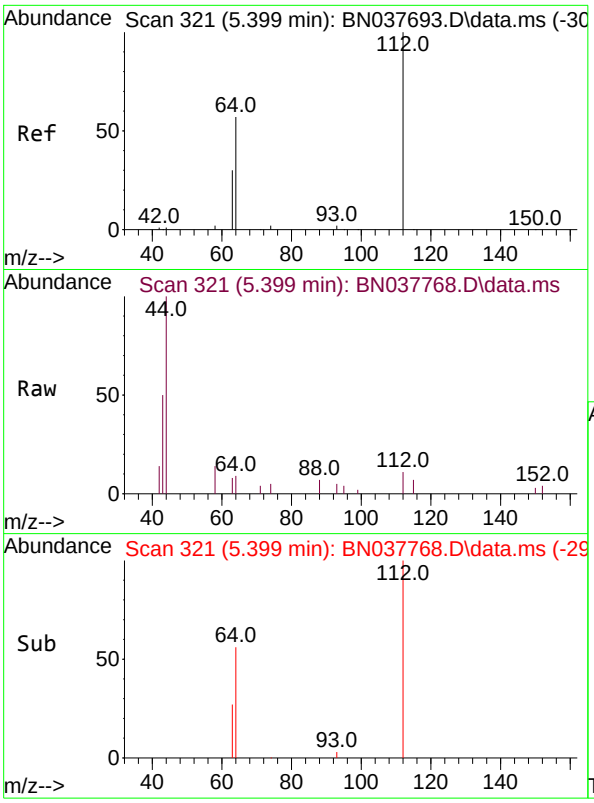


#2
1,4-Dioxane
Concen: 0.110 ng
RT: 3.297 min Scan# 30
Delta R.T. -0.007 min
Lab File: BN037768.D
Acq: 18 Sep 2025 08:11

Tgt Ion: 88 Resp: 855

Ion	Ratio	Lower	Upper
88	100		
43	62.8	26.8	40.2#
58	82.0	61.9	92.9



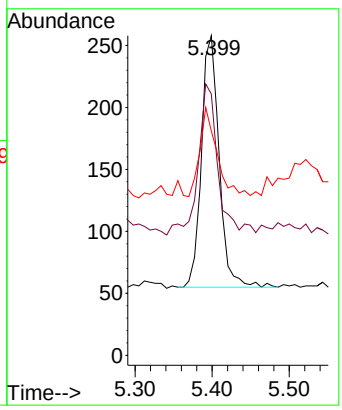


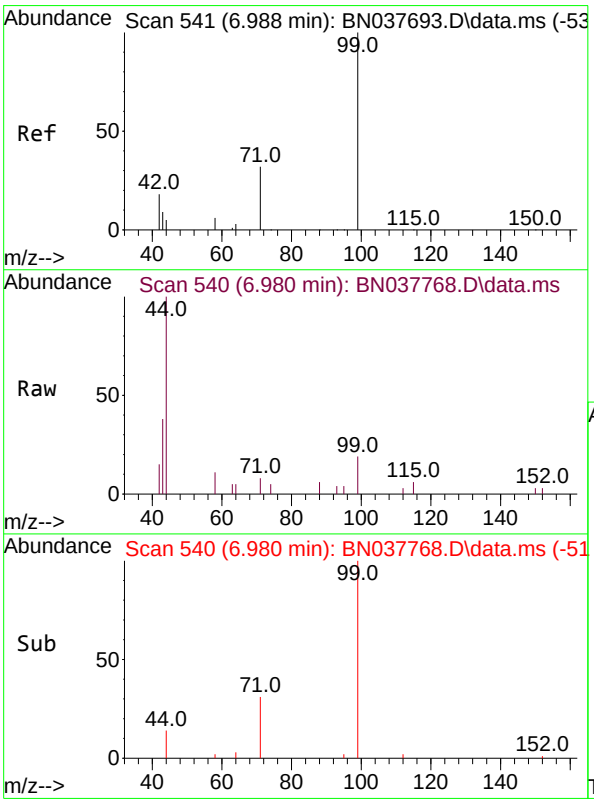
#4
2-Fluorophenol
Concen: 0.019 ng
RT: 5.399 min Scan# 3
Delta R.T. -0.000 min
Lab File: BN037768.D
Acq: 18 Sep 2025 08:11

Instrument :
BNA_N
ClientSampleId :
MW178S-20250910

Tgt Ion:112 Resp: 323

Ion	Ratio	Lower	Upper
112	100		
64	67.8	44.9	67.3#
63	34.4	24.7	37.1

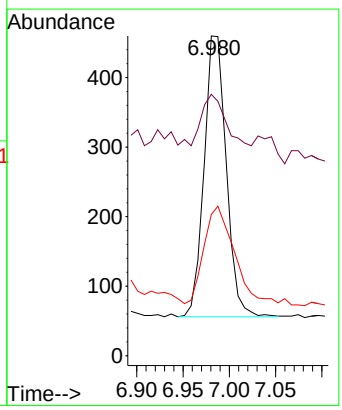


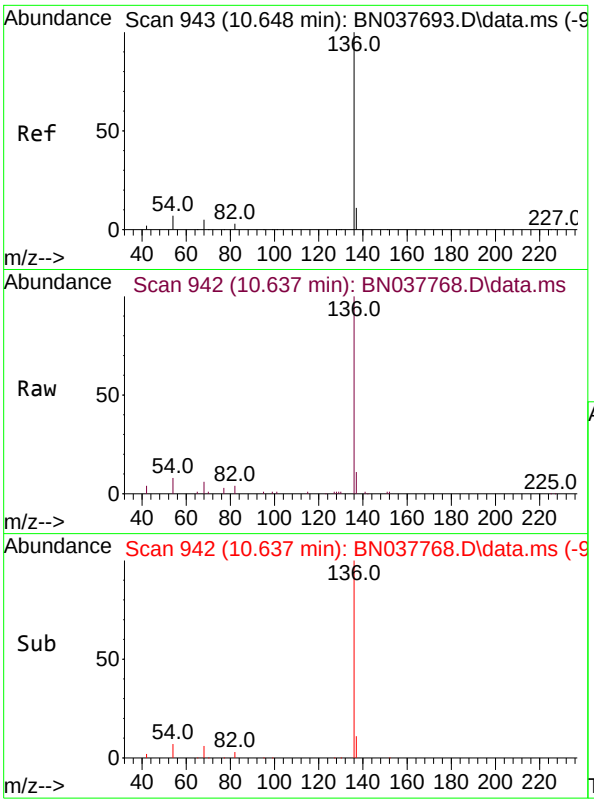


#5
Phenol-d6
Concen: 0.030 ng
RT: 6.980 min Scan# 540
Delta R.T. -0.007 min
Lab File: BN037768.D
Acq: 18 Sep 2025 08:11

Tgt Ion: 99 Resp: 674

Ion	Ratio	Lower	Upper
99	100		
42	23.4	16.6	24.8
71	50.1	26.7	40.1#



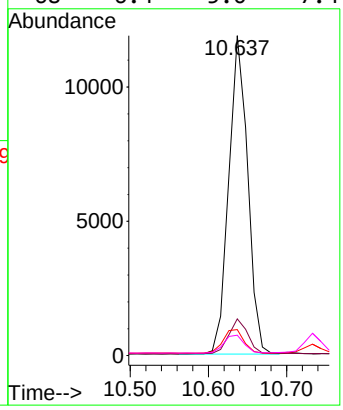


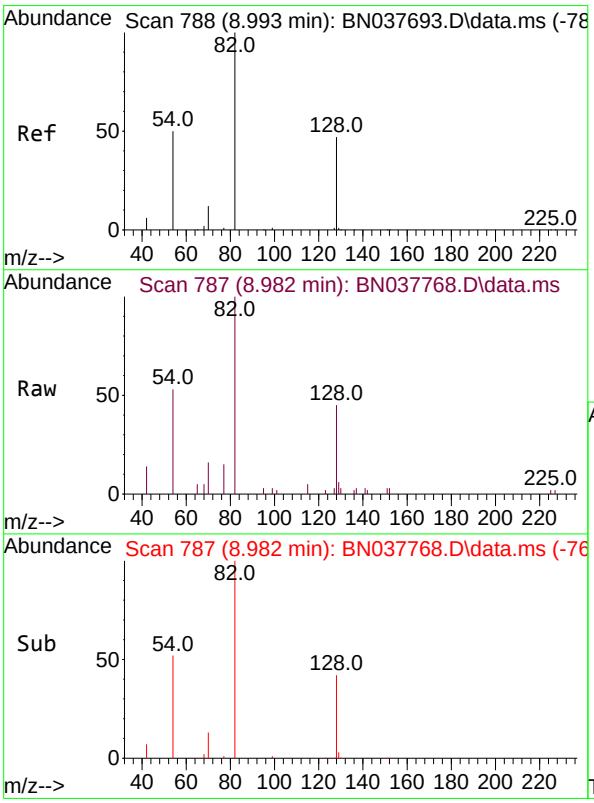
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.637 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037768.D
Acq: 18 Sep 2025 08:11

Instrument :
BNA_N
ClientSampleId :
MW178S-20250910

Tgt Ion:136 Resp: 19960

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.1	13.7
54	8.1	6.3	9.5
68	6.4	5.0	7.4

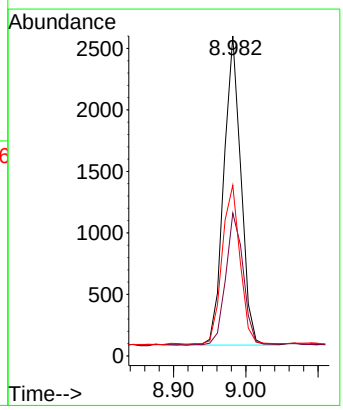


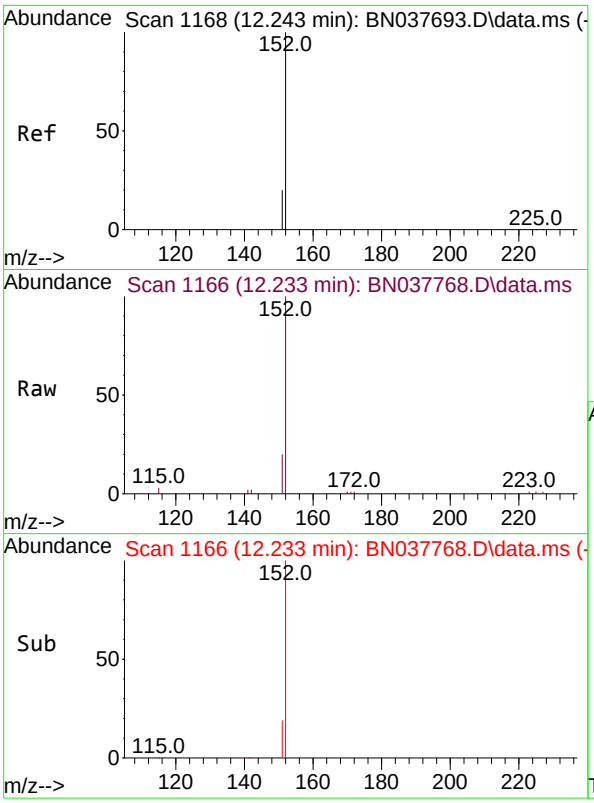


#8
Nitrobenzene-d5
Concen: 0.284 ng
RT: 8.982 min Scan# 787
Delta R.T. -0.011 min
Lab File: BN037768.D
Acq: 18 Sep 2025 08:11

Tgt Ion: 82 Resp: 4143

Ion	Ratio	Lower	Upper
82	100		
128	44.6	38.3	57.5
54	53.3	41.4	62.2



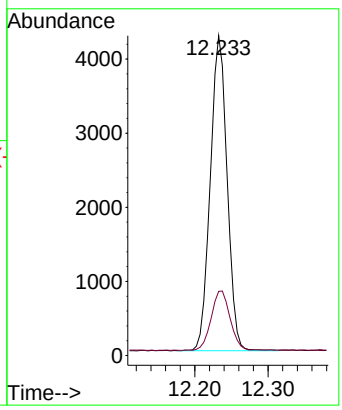


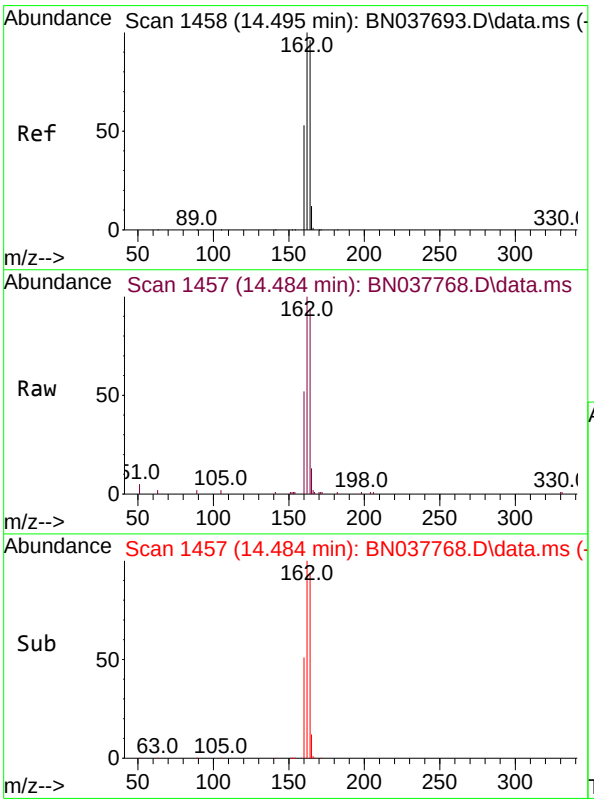
#11
2-Methylnaphthalene-d10
Concen: 0.257 ng
RT: 12.233 min Scan# 11
Delta R.T. -0.010 min
Lab File: BN037768.D
Acq: 18 Sep 2025 08:11

Instrument :
BNA_N
ClientSampleId :
MW178S-20250910

Tgt Ion:152 Resp: 6791

Ion	Ratio	Lower	Upper
152	100		
151	21.4	17.0	25.6

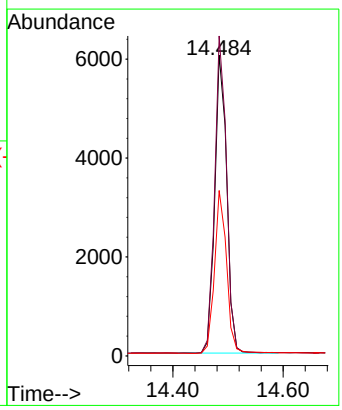


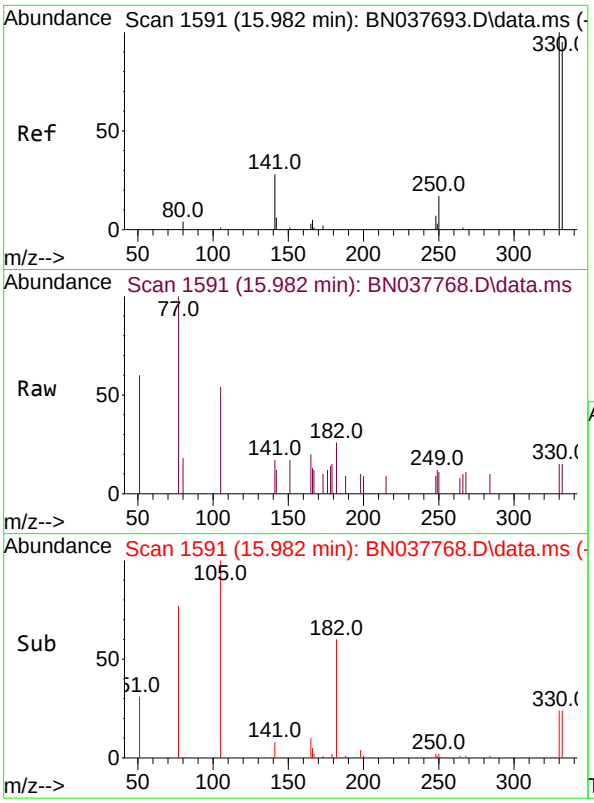


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.484 min Scan# 1457
Delta R.T. -0.011 min
Lab File: BN037768.D
Acq: 18 Sep 2025 08:11

Tgt Ion:164 Resp: 9139

Ion	Ratio	Lower	Upper
164	100		
162	106.4	83.1	124.7
160	55.0	44.3	66.5



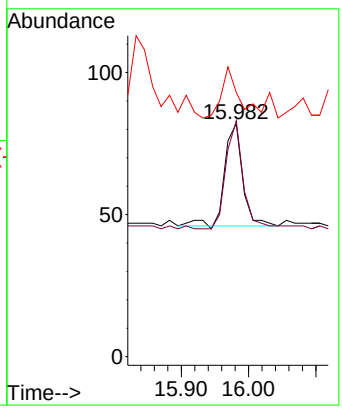


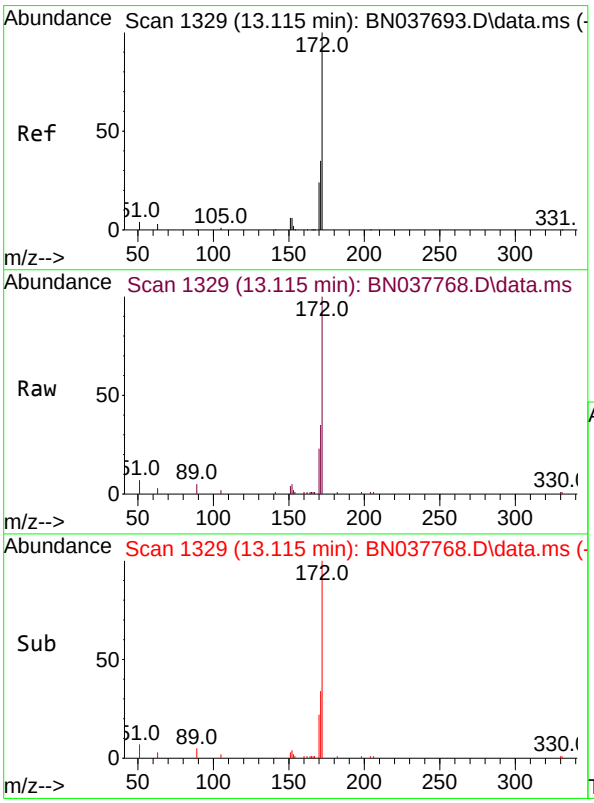
#14
2,4,6-Tribromophenol
Concen: 0.029 ng
RT: 15.982 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037768.D
Acq: 18 Sep 2025 08:11

Instrument :
BNA_N
ClientSampleId :
MW178S-20250910

Tgt Ion:330 Resp: 68

Ion	Ratio	Lower	Upper
330	100		
332	102.9	75.3	112.9
141	51.5	35.0	52.4

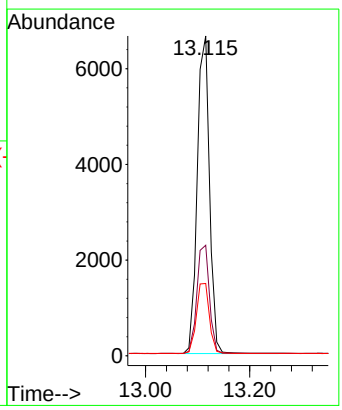


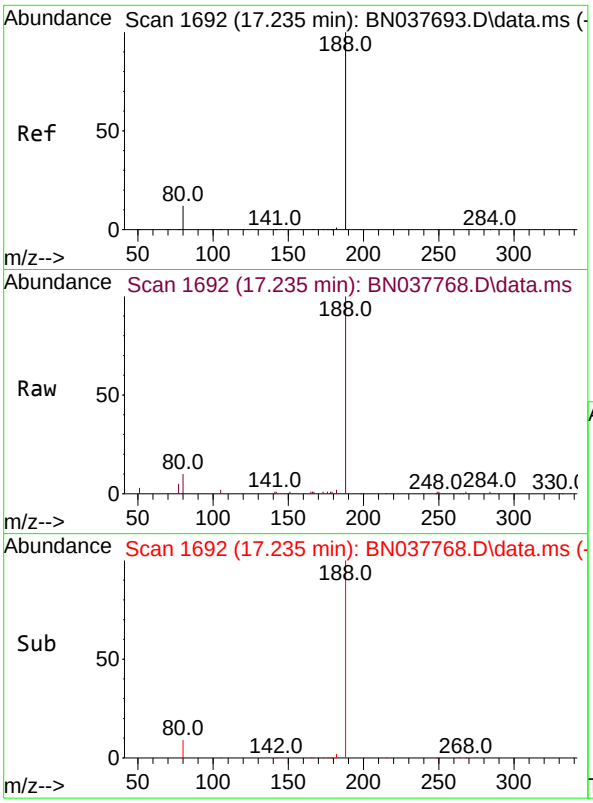


#15
2-Fluorobiphenyl
Concen: 0.283 ng
RT: 13.115 min Scan# 1329
Delta R.T. -0.000 min
Lab File: BN037768.D
Acq: 18 Sep 2025 08:11

Tgt Ion:172 Resp: 10809

Ion	Ratio	Lower	Upper
172	100		
171	34.6	28.6	43.0
170	22.6	19.8	29.8



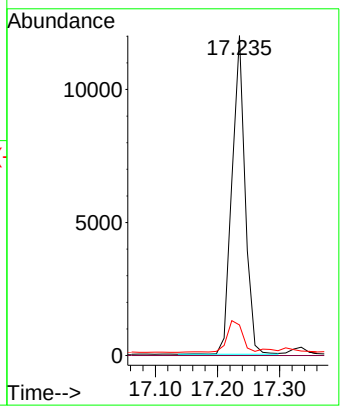


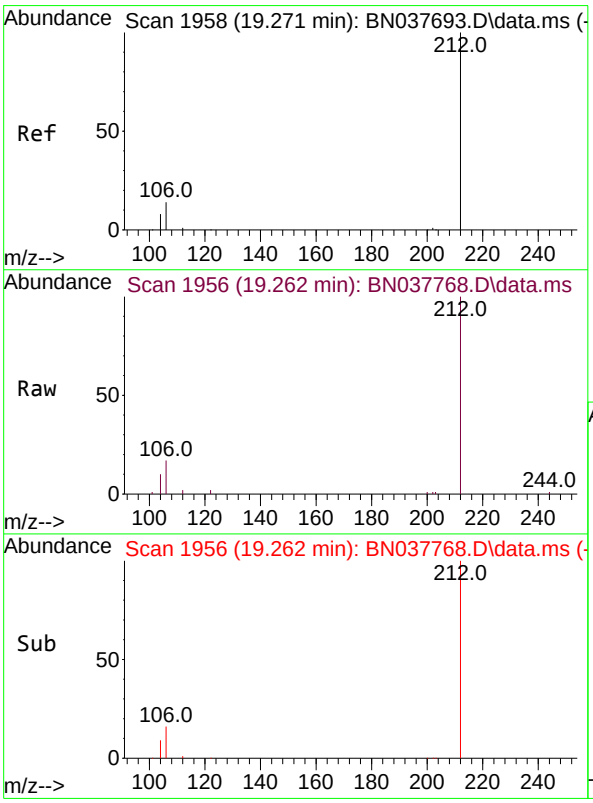
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.235 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037768.D
Acq: 18 Sep 2025 08:11

Instrument :
BNA_N
ClientSampleId :
MW178S-20250910

Tgt Ion:188 Resp: 17489

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.6	10.6	15.8#

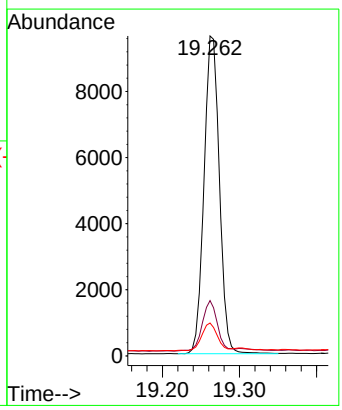


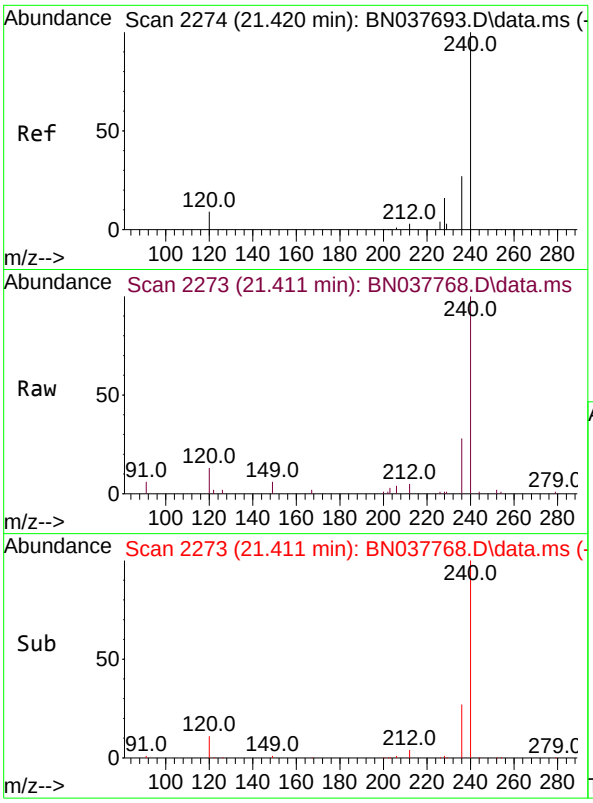


#27
Fluoranthene-d10
Concen: 0.303 ng
RT: 19.262 min Scan# 1956
Delta R.T. -0.009 min
Lab File: BN037768.D
Acq: 18 Sep 2025 08:11

Tgt Ion:212 Resp: 13318

Ion	Ratio	Lower	Upper
212	100		
106	15.7	12.2	18.2
104	8.9	6.9	10.3



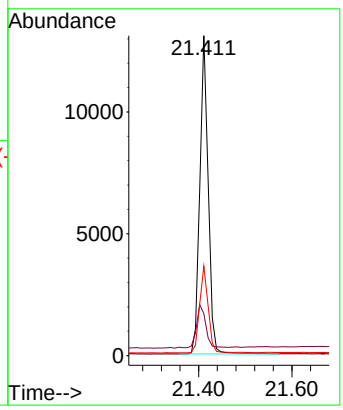


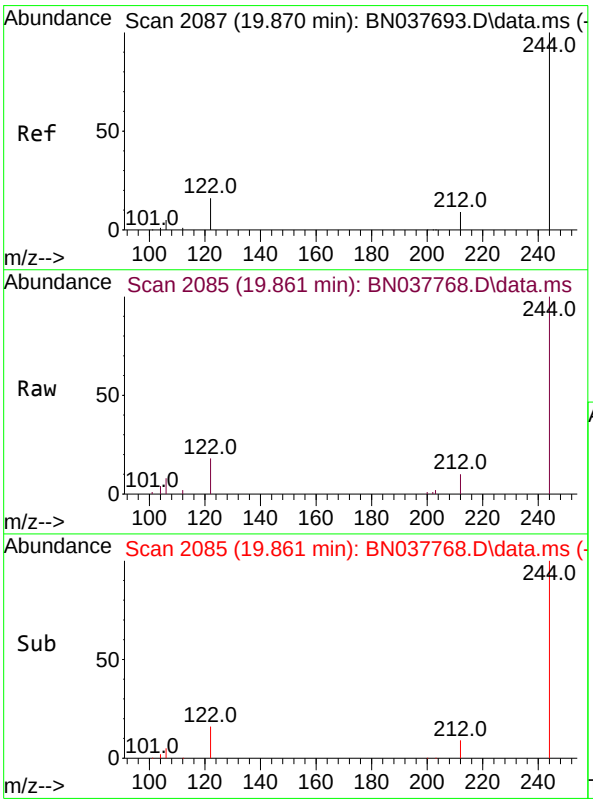
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.411 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN037768.D
Acq: 18 Sep 2025 08:11

Instrument :
BNA_N
ClientSampleId :
MW178S-20250910

Tgt Ion:240 Resp: 16160

Ion	Ratio	Lower	Upper
240	100		
120	13.1	9.2	13.8
236	28.0	22.6	33.8

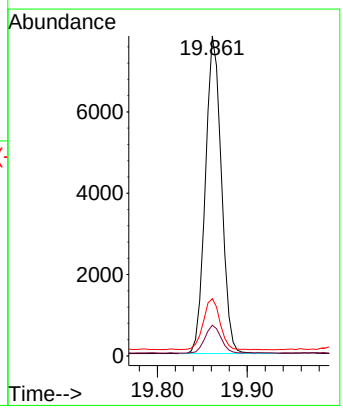


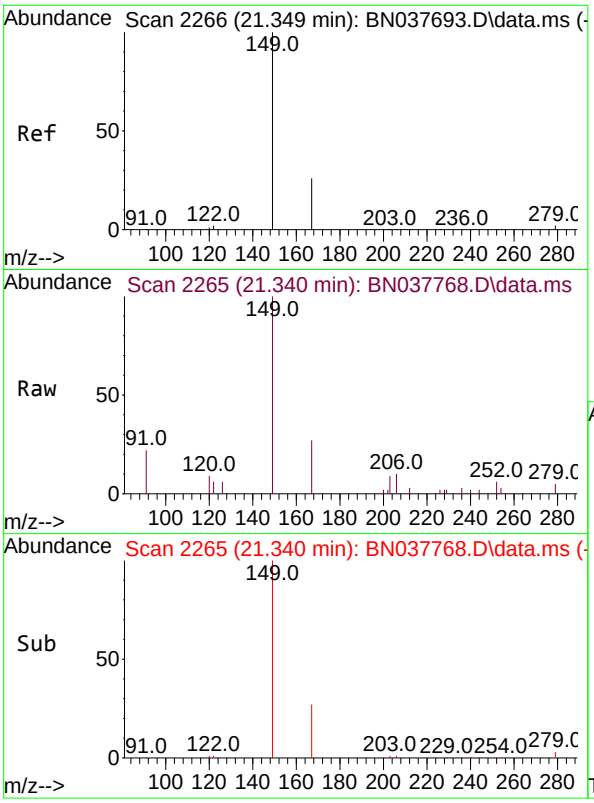


#31
Terphenyl-d14
Concen: 0.294 ng
RT: 19.861 min Scan# 2085
Delta R.T. -0.009 min
Lab File: BN037768.D
Acq: 18 Sep 2025 08:11

Tgt Ion:244 Resp: 9643

Ion	Ratio	Lower	Upper
244	100		
212	9.6	7.5	11.3
122	17.9	13.2	19.8



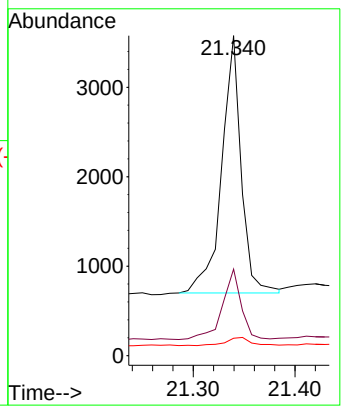


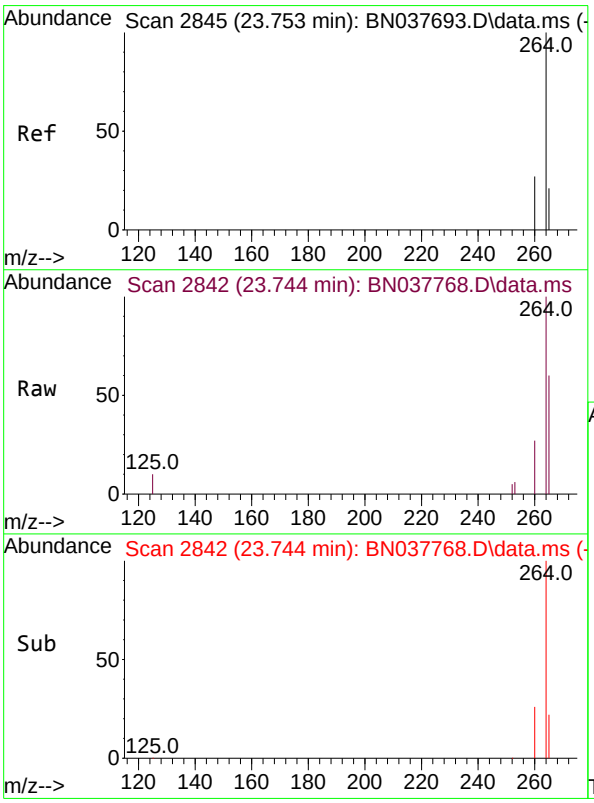
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.230 ng
RT: 21.340 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037768.D
Acq: 18 Sep 2025 08:11

Instrument :
BNA_N
ClientSampleId :
MW178S-20250910

Tgt Ion:149 Resp: 3845

Ion	Ratio	Lower	Upper
149	100		
167	26.2	20.8	31.2
279	3.9	3.3	4.9

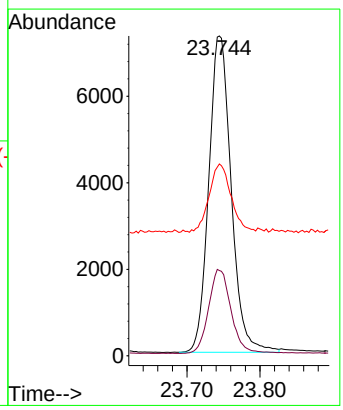




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.744 min Scan# 2842
Delta R.T. -0.009 min
Lab File: BN037768.D
Acq: 18 Sep 2025 08:11

Tgt Ion:264 Resp: 15607

Ion	Ratio	Lower	Upper
264	100		
260	26.7	21.8	32.8
265	60.0	39.4	59.2#



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:	09/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	RE126D1-20250910	SDG No.:	Q3095
Lab Sample ID:	Q3095-21	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
BN037783.D	1	09/15/25 12:00	09/18/25 18:49	PB169693

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	2.20		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.28		30 - 150		70%	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	0.30		53 - 106		74%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.36		58 - 132		90%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	8230	7.833				
1146-65-2	Naphthalene-d8	22500	10.637				
15067-26-2	Acenaphthene-d10	10500	14.484				
1517-22-2	Phenanthrene-d10	19300	17.235				
1719-03-5	Chrysene-d12	17300	21.411				
1520-96-3	Perylene-d12	17700	23.744				

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\BN091825\
Data File : BN037783.D
Acq On : 18 Sep 2025 18:49
Operator : RC/JU
Sample : Q3095-21
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE126D1-20250910

Quant Time: Sep 18 19:16:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

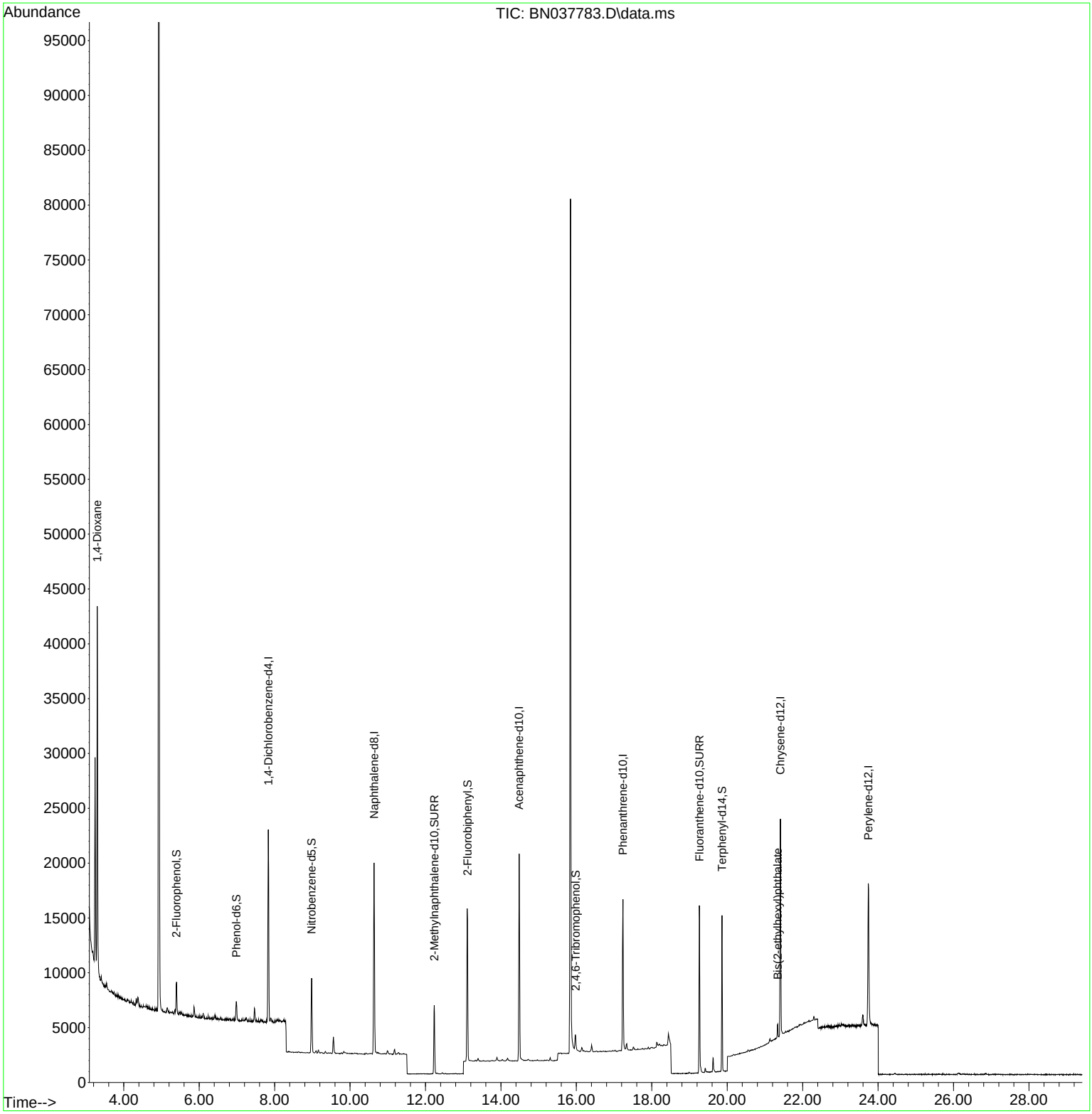
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.833	152	8225	0.400	ng	0.00
7) Naphthalene-d8	10.637	136	22467	0.400	ng	-0.01
13) Acenaphthene-d10	14.484	164	10495	0.400	ng	-0.01
19) Phenanthrene-d10	17.235	188	19347	0.400	ng	# 0.00
29) Chrysene-d12	21.411	240	17267	0.400	ng	0.00
35) Perylene-d12	23.744	264	17743	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.399	112	2296	0.122	ng	0.00
5) Phenol-d6	6.988	99	1662	0.068	ng	0.00
8) Nitrobenzene-d5	8.982	82	5178	0.315	ng	-0.01
11) 2-Methylnaphthalene-d10	12.233	152	8408	0.282	ng	-0.01
14) 2,4,6-Tribromophenol	15.982	330	1005	0.367	ng	0.00
15) 2-Fluorobiphenyl	13.115	172	12964	0.295	ng	0.00
27) Fluoranthene-d10	19.262	212	16784	0.346	ng	0.00
31) Terphenyl-d14	19.861	244	12609	0.360	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.297	88	19050	2.224	ng	97
34) Bis(2-ethylhexyl)phtha...	21.340	149	1361	0.076	ng	# 95

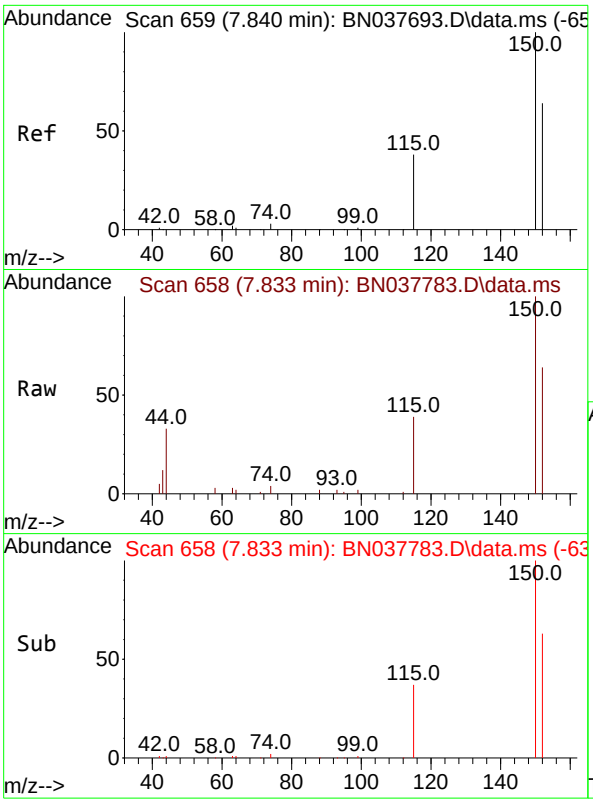
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091825\
Data File : BN037783.D
Acq On : 18 Sep 2025 18:49
Operator : RC/JU
Sample : Q3095-21
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE126D1-20250910

Quant Time: Sep 18 19:16:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration



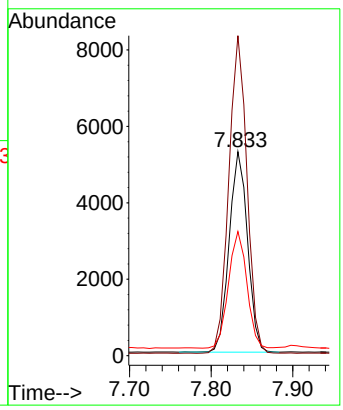


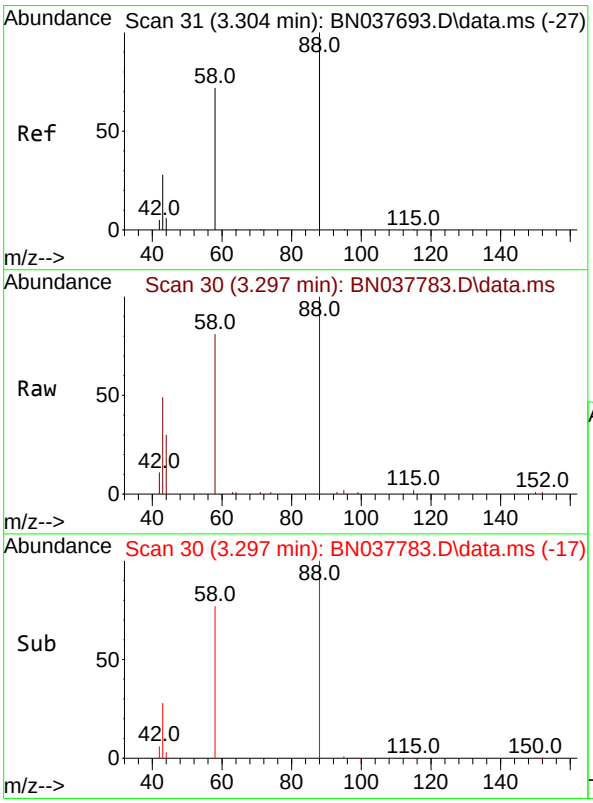
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.833 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN037783.D
Acq: 18 Sep 2025 18:49

Instrument :
BNA_N
ClientSampleId :
RE126D1-20250910

Tgt Ion:152 Resp: 8225

Ion	Ratio	Lower	Upper
152	100		
150	156.8	124.5	186.7
115	60.9	49.2	73.8

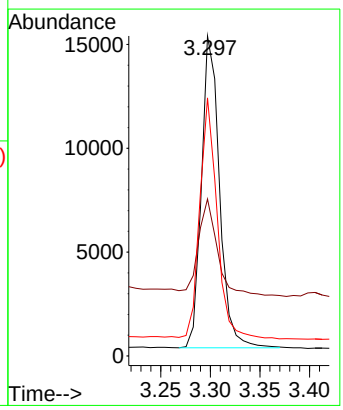


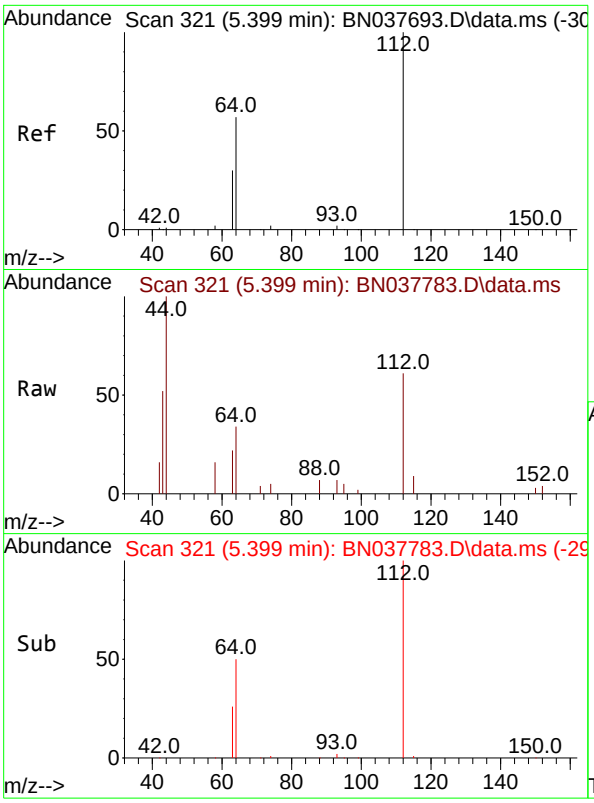


#2
1,4-Dioxane
Concen: 2.224 ng
RT: 3.297 min Scan# 30
Delta R.T. -0.007 min
Lab File: BN037783.D
Acq: 18 Sep 2025 18:49

Tgt Ion: 88 Resp: 19050

Ion	Ratio	Lower	Upper
88	100		
43	32.2	26.8	40.2
58	74.3	61.9	92.9



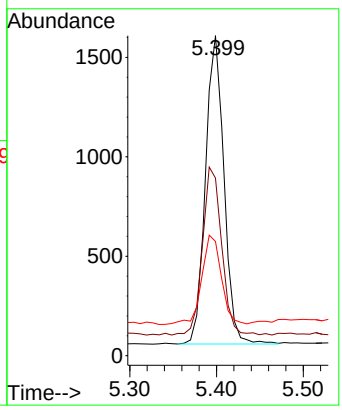


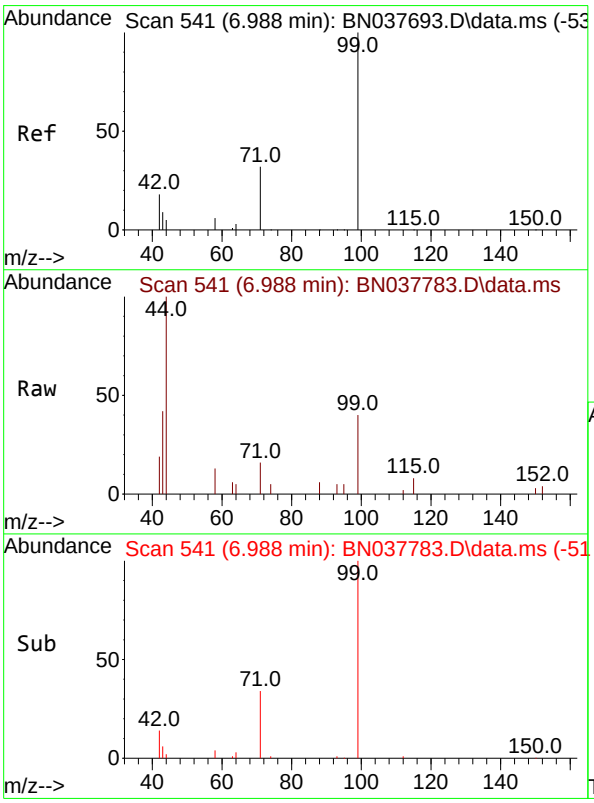
#4
2-Fluorophenol
Concen: 0.122 ng
RT: 5.399 min Scan# 3
Delta R.T. -0.000 min
Lab File: BN037783.D
Acq: 18 Sep 2025 18:49

Instrument :
BNA_N
ClientSampleId :
RE126D1-20250910

Tgt Ion:112 Resp: 2296

Ion	Ratio	Lower	Upper
112	100		
64	56.6	44.9	67.3
63	30.6	24.7	37.1

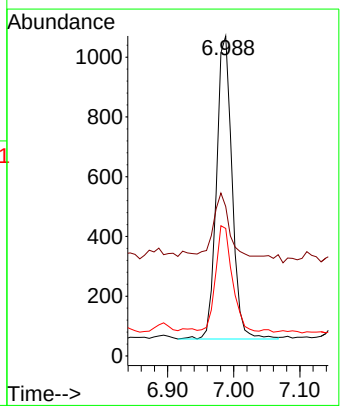


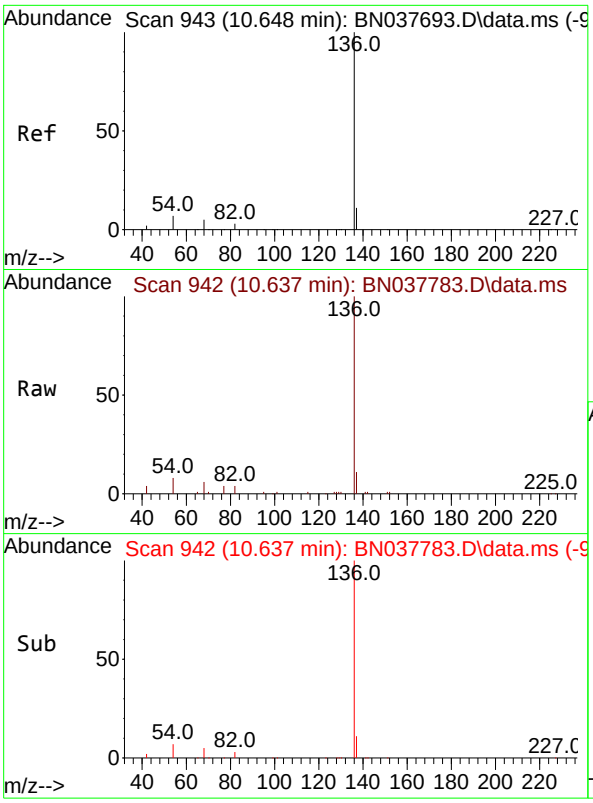


#5
Phenol-d6
Concen: 0.068 ng
RT: 6.988 min Scan# 541
Delta R.T. -0.000 min
Lab File: BN037783.D
Acq: 18 Sep 2025 18:49

Tgt Ion: 99 Resp: 1662

Ion	Ratio	Lower	Upper
99	100		
42	20.5	16.6	24.8
71	38.3	26.7	40.1



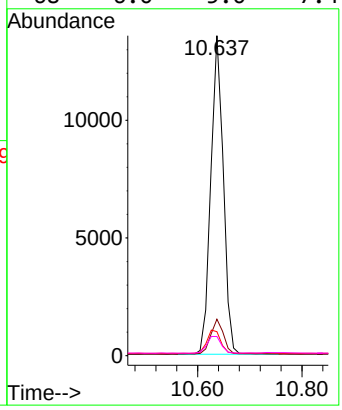


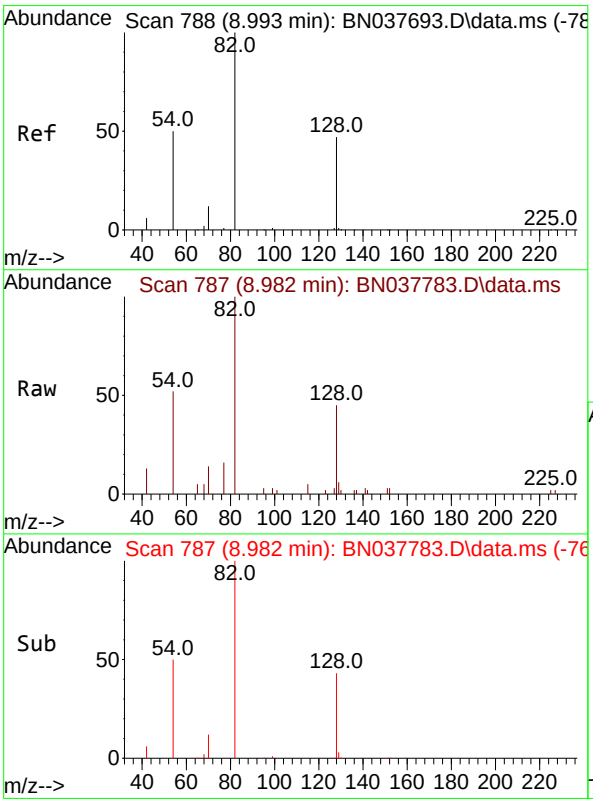
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.637 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037783.D
Acq: 18 Sep 2025 18:49

Instrument :
BNA_N
ClientSampleId :
RE126D1-20250910

Tgt Ion:136 Resp: 22467

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	7.5	6.3	9.5
68	6.0	5.0	7.4

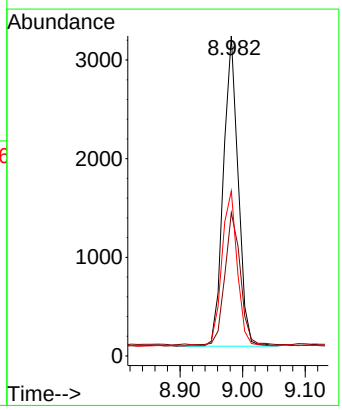


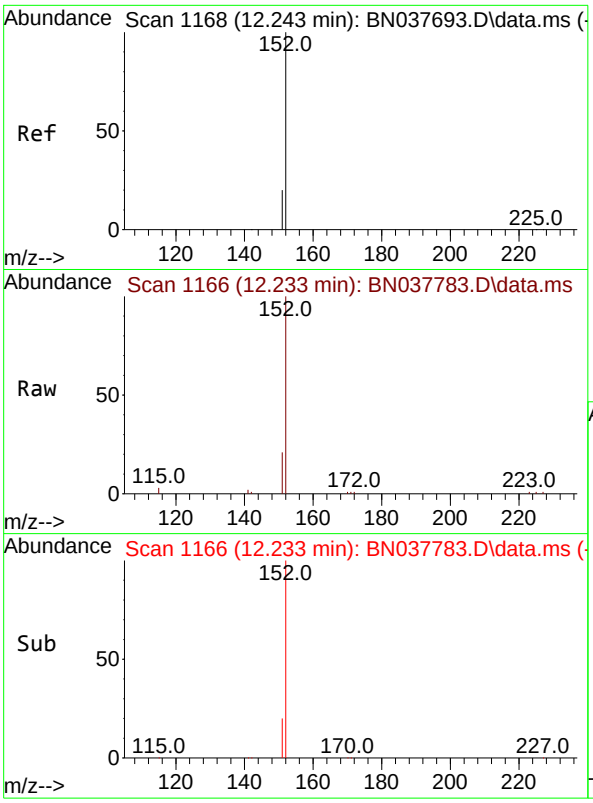


#8
Nitrobenzene-d5
Concen: 0.315 ng
RT: 8.982 min Scan# 787
Delta R.T. -0.011 min
Lab File: BN037783.D
Acq: 18 Sep 2025 18:49

Tgt Ion: 82 Resp: 5178

Ion	Ratio	Lower	Upper
82	100		
128	44.8	38.3	57.5
54	51.5	41.4	62.2



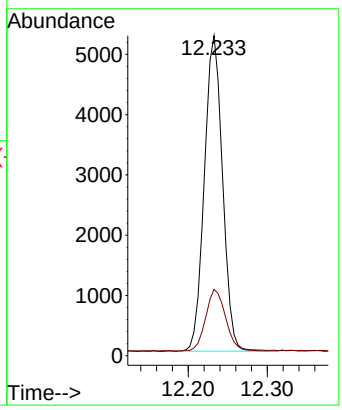


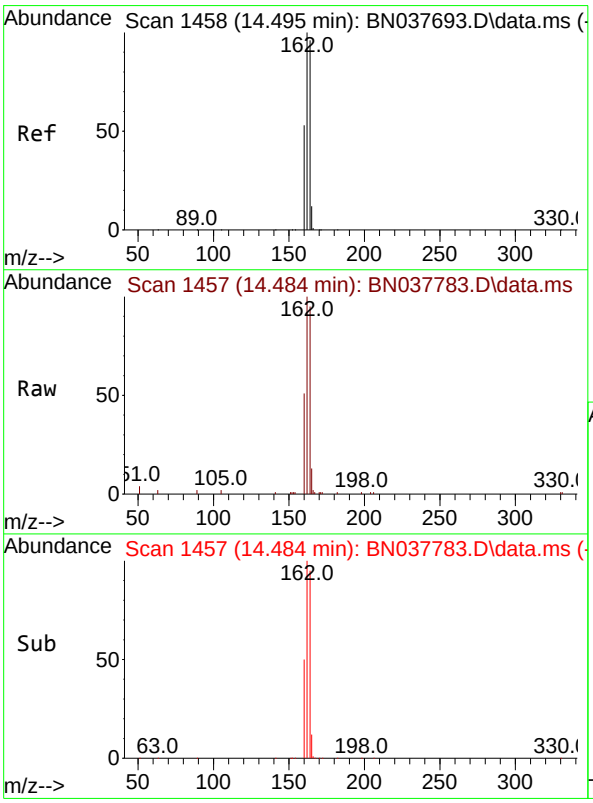
#11
2-Methylnaphthalene-d10
Concen: 0.282 ng
RT: 12.233 min Scan# 11
Delta R.T. -0.010 min
Lab File: BN037783.D
Acq: 18 Sep 2025 18:49

Instrument :
BNA_N
ClientSampleId :
RE126D1-20250910

Tgt Ion:152 Resp: 8408

Ion	Ratio	Lower	Upper
152	100		
151	21.3	17.0	25.6

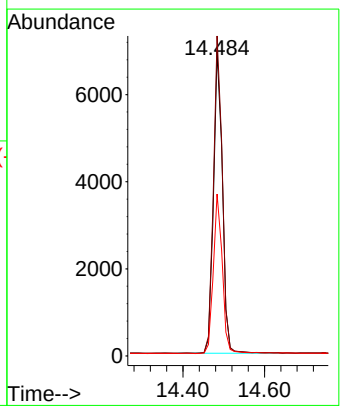


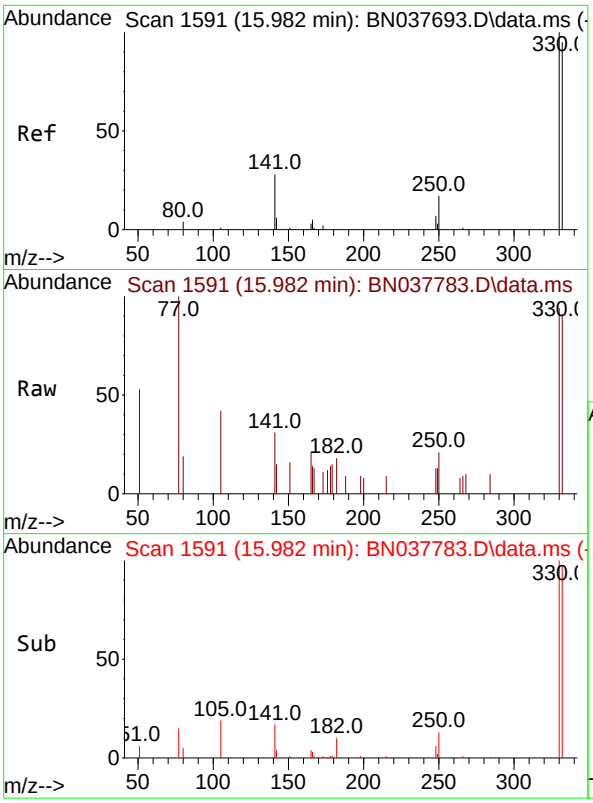


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.484 min Scan# 1457
Delta R.T. -0.011 min
Lab File: BN037783.D
Acq: 18 Sep 2025 18:49

Tgt Ion:164 Resp: 10495

Ion	Ratio	Lower	Upper
164	100		
162	105.2	83.1	124.7
160	53.3	44.3	66.5



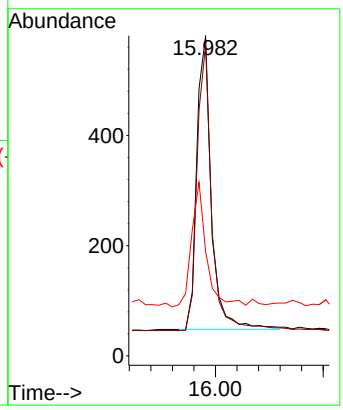


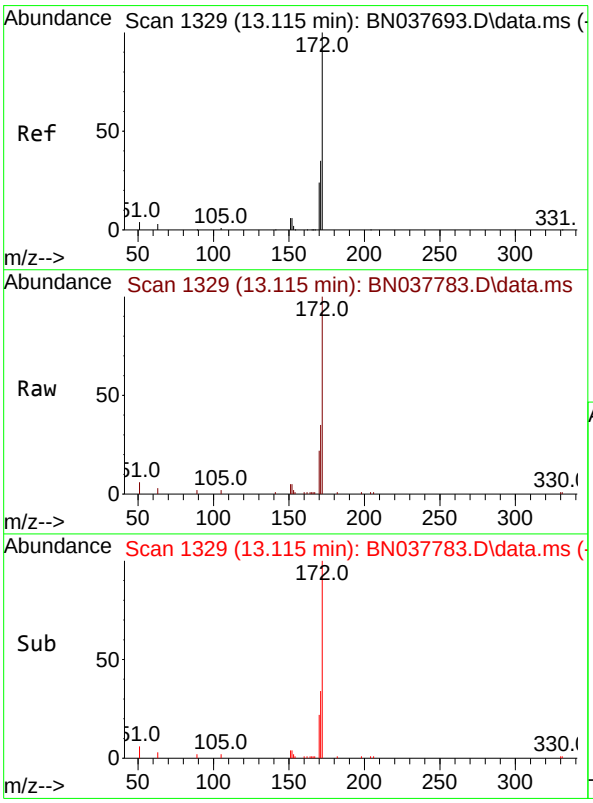
#14
2,4,6-Tribromophenol
Concen: 0.367 ng
RT: 15.982 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037783.D
Acq: 18 Sep 2025 18:49

Instrument :
BNA_N
ClientSampleId :
RE126D1-20250910

Tgt Ion:330 Resp: 1005

Ion	Ratio	Lower	Upper
330	100		
332	96.8	75.3	112.9
141	43.0	35.0	52.4

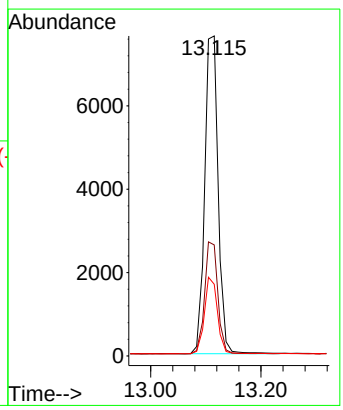


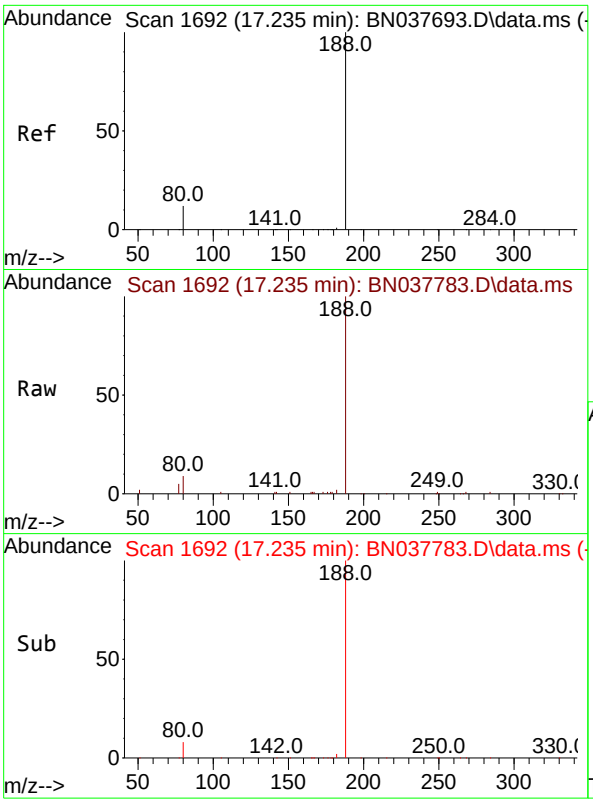


#15
2-Fluorobiphenyl
Concen: 0.295 ng
RT: 13.115 min Scan# 1329
Delta R.T. -0.000 min
Lab File: BN037783.D
Acq: 18 Sep 2025 18:49

Tgt Ion:172 Resp: 12964

Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.6	43.0
170	22.4	19.8	29.8



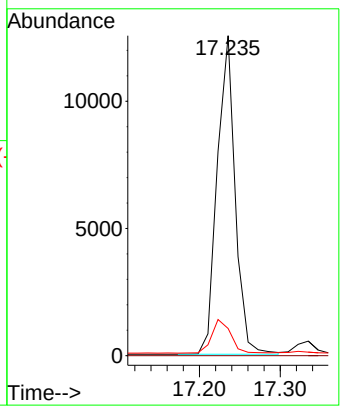


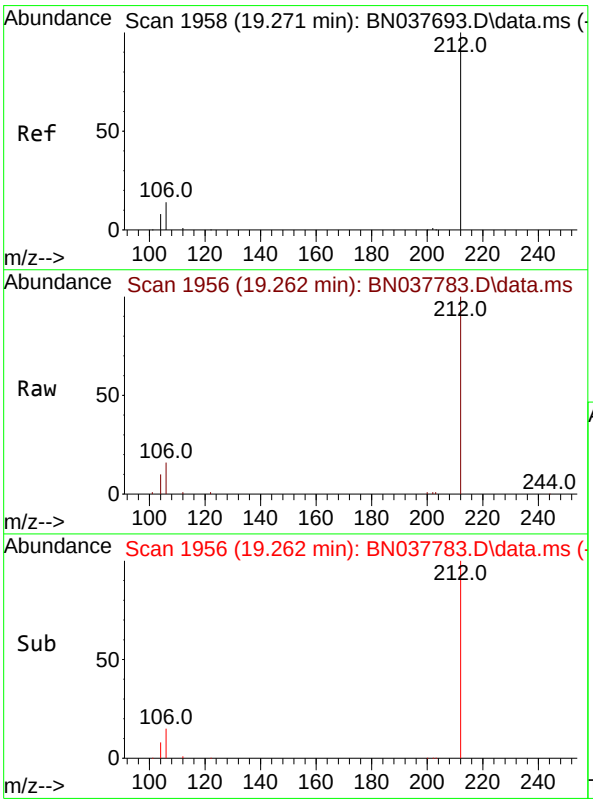
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.235 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN037783.D
Acq: 18 Sep 2025 18:49

Instrument :
BNA_N
ClientSampleId :
RE126D1-20250910

Tgt Ion:188 Resp: 19347

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.5	10.6	15.8#

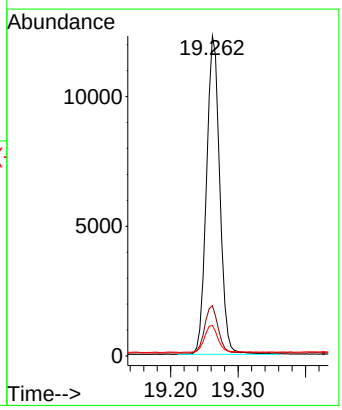


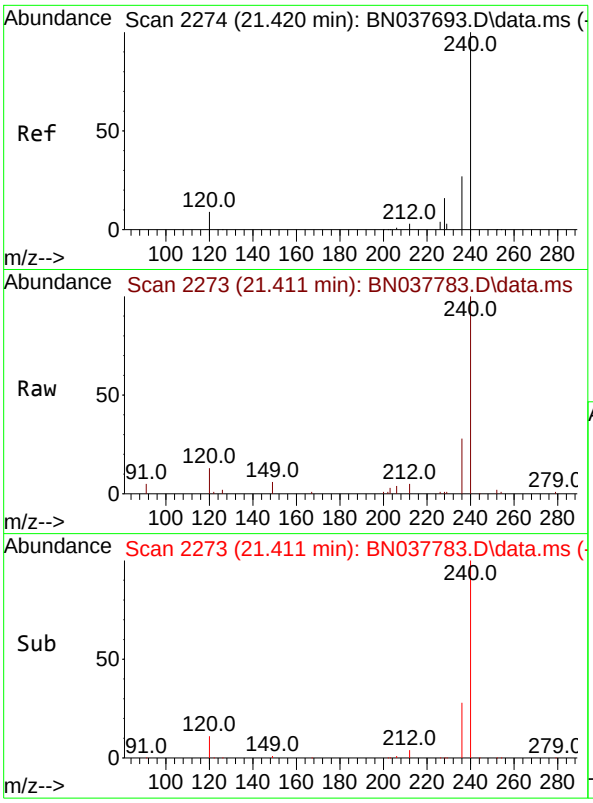


#27
Fluoranthene-d10
Concen: 0.346 ng
RT: 19.262 min Scan# 1956
Delta R.T. -0.009 min
Lab File: BN037783.D
Acq: 18 Sep 2025 18:49

Tgt Ion:212 Resp: 16784

Ion	Ratio	Lower	Upper
212	100		
106	15.2	12.2	18.2
104	8.6	6.9	10.3



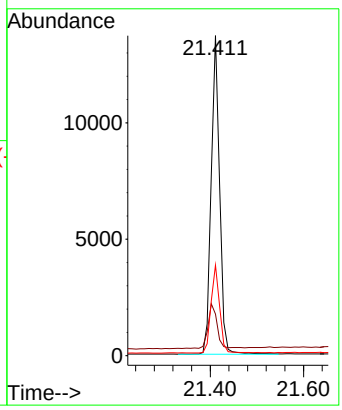


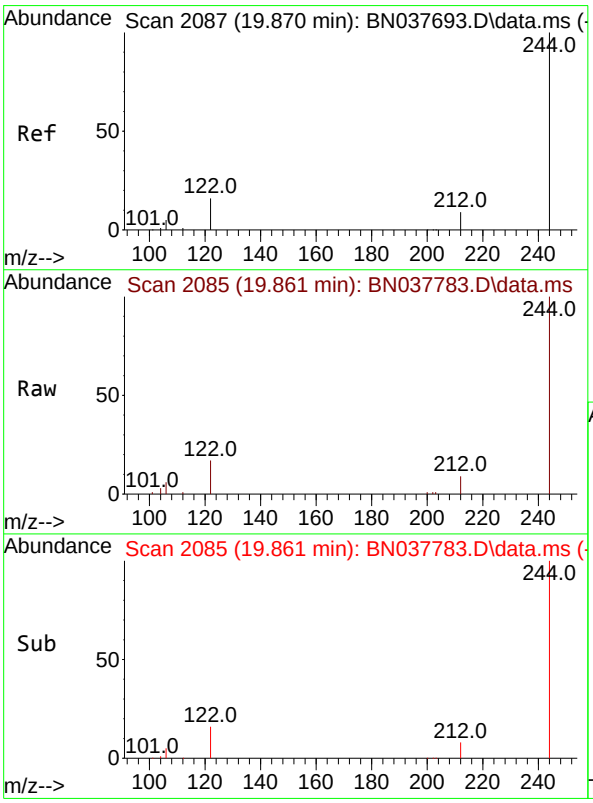
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.411 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037783.D
Acq: 18 Sep 2025 18:49

Instrument :
BNA_N
ClientSampleId :
RE126D1-20250910

Tgt Ion:240 Resp: 17267

Ion	Ratio	Lower	Upper
240	100		
120	13.0	9.2	13.8
236	28.3	22.6	33.8

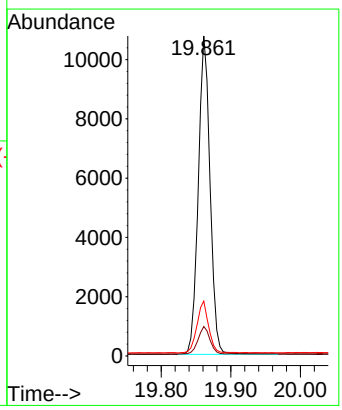


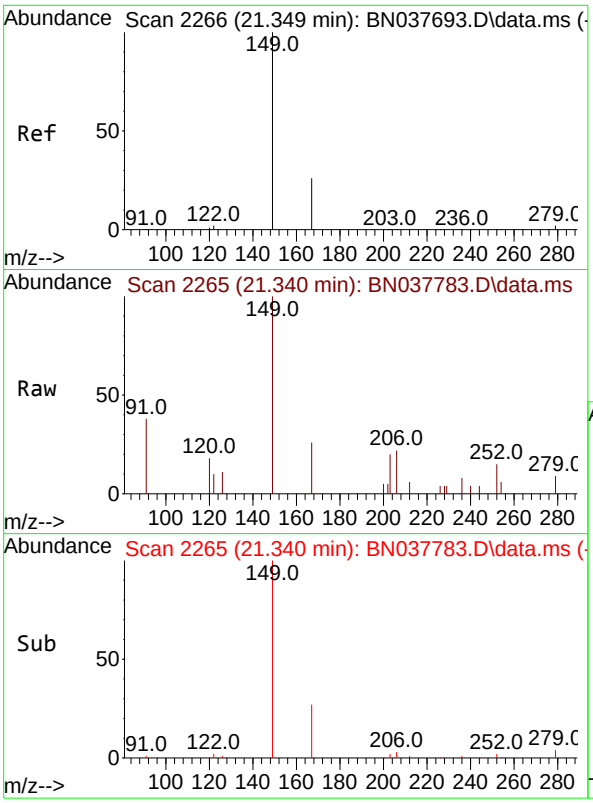


#31
Terphenyl-d14
Concen: 0.360 ng
RT: 19.861 min Scan# 2085
Delta R.T. -0.009 min
Lab File: BN037783.D
Acq: 18 Sep 2025 18:49

Tgt Ion:244 Resp: 12609

Ion	Ratio	Lower	Upper
244	100		
212	9.2	7.5	11.3
122	17.1	13.2	19.8



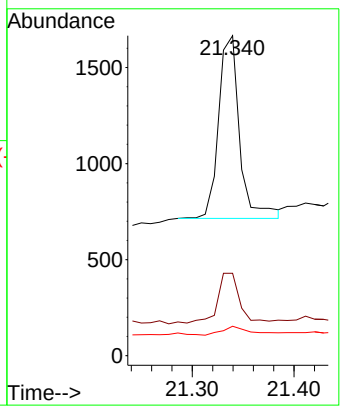


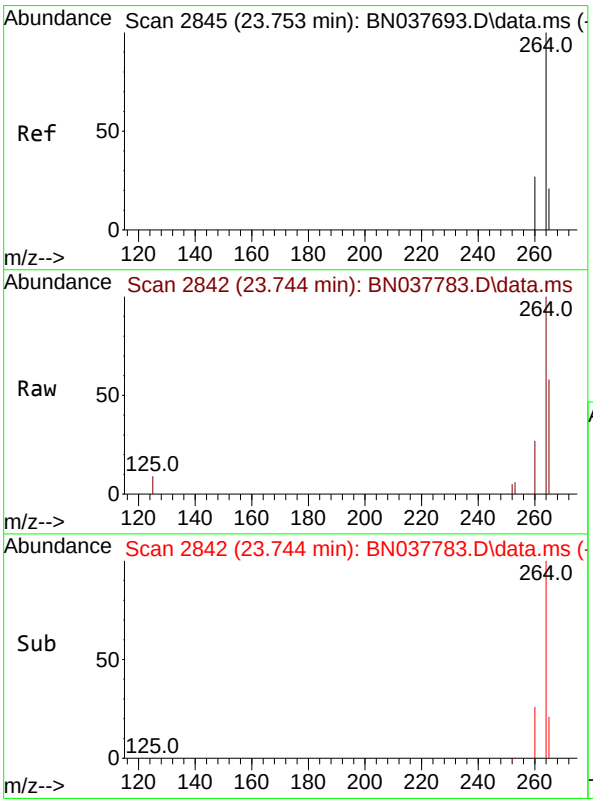
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.076 ng
RT: 21.340 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037783.D
Acq: 18 Sep 2025 18:49

Instrument :
BNA_N
ClientSampleId :
RE126D1-20250910

Tgt Ion:149 Resp: 1361

Ion	Ratio	Lower	Upper
149	100		
167	28.1	20.8	31.2
279	6.6	3.3	4.9#

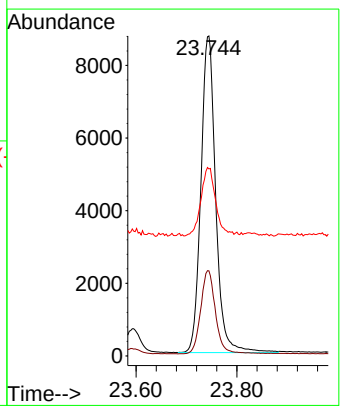




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.744 min Scan# 2842
Delta R.T. -0.009 min
Lab File: BN037783.D
Acq: 18 Sep 2025 18:49

Tgt Ion:264 Resp: 17743

Ion	Ratio	Lower	Upper
264	100		
260	26.6	21.8	32.8
265	58.5	39.4	59.2



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:	09/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	MW202D1-20250910	SDG No.:	Q3095
Lab Sample ID:	Q3095-22	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
BN037784.D	1	09/15/25 12:00	09/18/25 19:25	PB169693

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		86%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.36		30 - 150		90%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.37		55 - 111		93%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.38		53 - 106		94%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.39		58 - 132		98%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7720	7.833				
1146-65-2	Naphthalene-d8	20900	10.637				
15067-26-2	Acenaphthene-d10	9440	14.484				
1517-22-2	Phenanthrene-d10	16200	17.235				
1719-03-5	Chrysene-d12	13600	21.411				
1520-96-3	Perylene-d12	13800	23.741				

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\BN091825\
Data File : BN037784.D
Acq On : 18 Sep 2025 19:25
Operator : RC/JU
Sample : Q3095-22
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW202D1-20250910

Quant Time: Sep 19 04:17:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

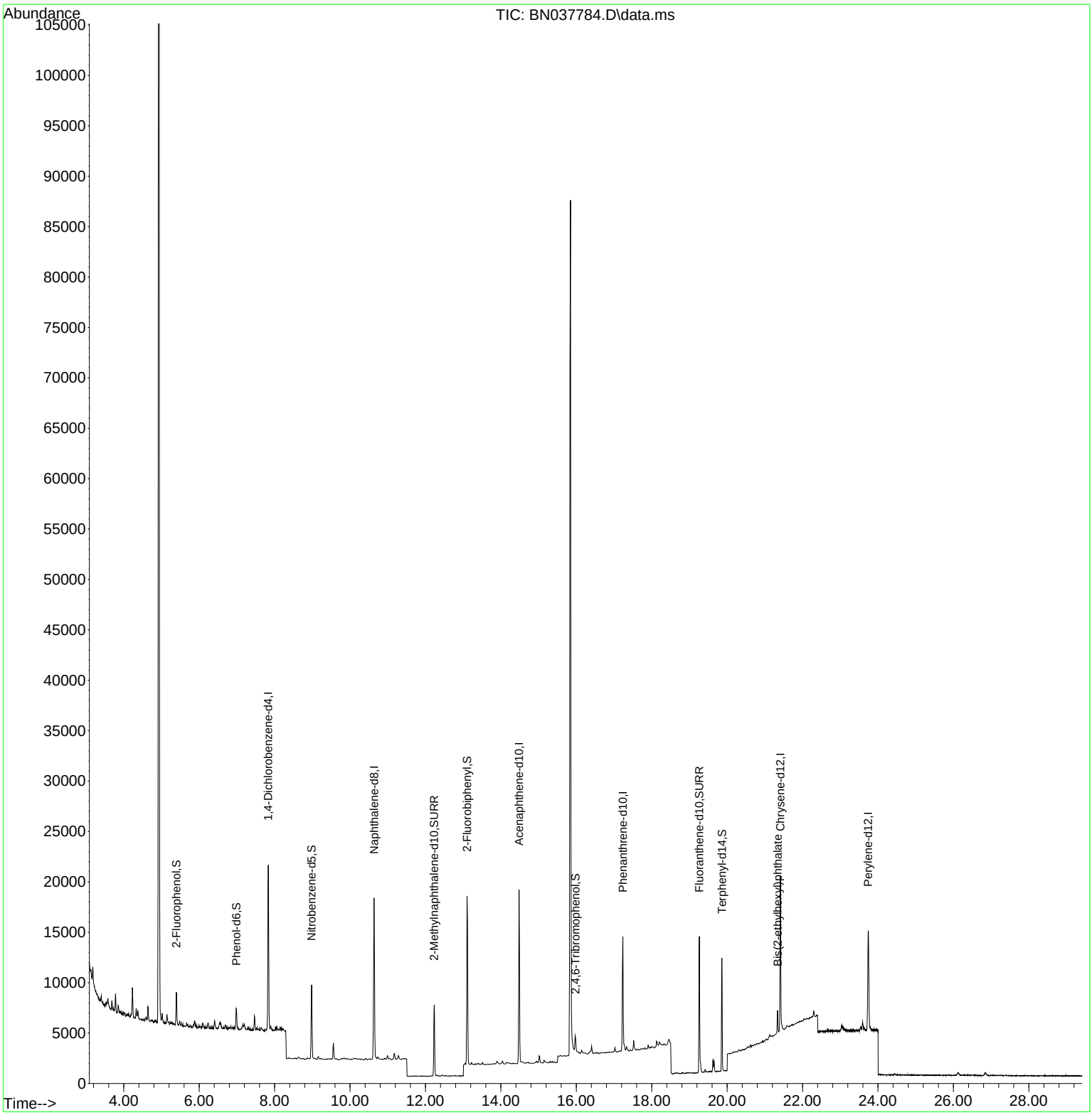
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.833	152	7721	0.400	ng	0.00
7) Naphthalene-d8	10.637	136	20880	0.400	ng	-0.01
13) Acenaphthene-d10	14.484	164	9442	0.400	ng	-0.01
19) Phenanthrene-d10	17.235	188	16202	0.400	ng	# 0.00
29) Chrysene-d12	21.411	240	13556	0.400	ng	0.00
35) Perylene-d12	23.741	264	13782	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.399	112	2651	0.150	ng	0.00
5) Phenol-d6	6.988	99	1924	0.084	ng	0.00
8) Nitrobenzene-d5	8.982	82	5656	0.370	ng	-0.01
11) 2-Methylnaphthalene-d10	12.233	152	9459	0.342	ng	-0.01
14) 2,4,6-Tribromophenol	15.982	330	1049	0.426	ng	0.00
15) 2-Fluorobiphenyl	13.105	172	14911	0.378	ng	-0.01
27) Fluoranthene-d10	19.262	212	14723	0.362	ng	0.00
31) Terphenyl-d14	19.861	244	10812	0.393	ng	0.00
Target Compounds						Qvalue
34) Bis(2-ethylhexyl)phtha...	21.340	149	2668	0.190	ng	96

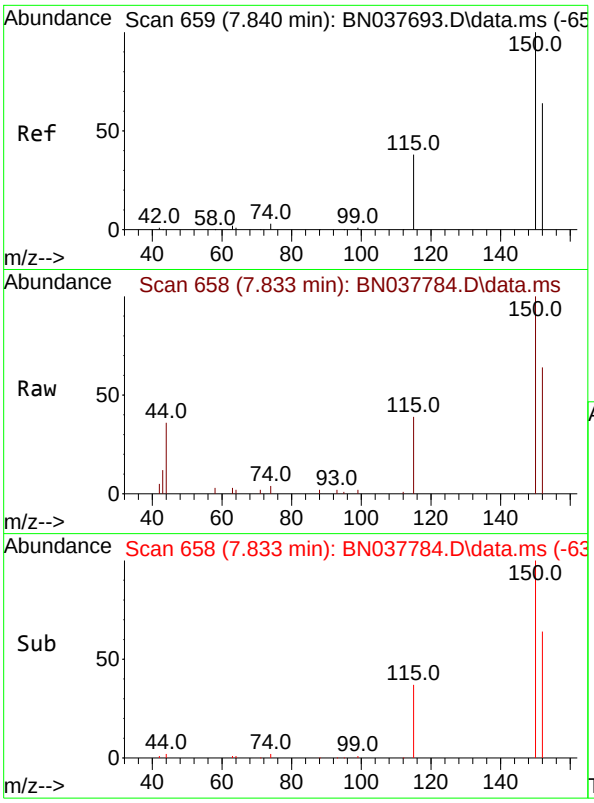
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091825\
Data File : BN037784.D
Acq On : 18 Sep 2025 19:25
Operator : RC/JU
Sample : Q3095-22
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW202D1-20250910

Quant Time: Sep 19 04:17:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration



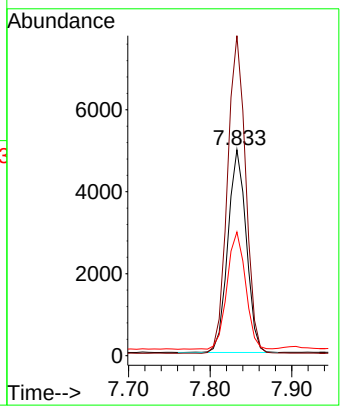


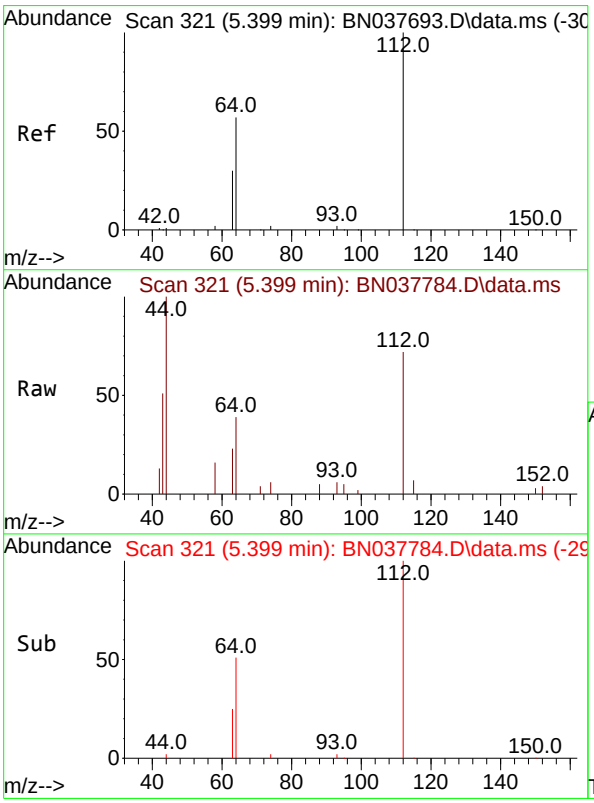
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.833 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN037784.D
Acq: 18 Sep 2025 19:25

Instrument :
BNA_N
ClientSampleId :
MW202D1-20250910

Tgt Ion:152 Resp: 7721

Ion	Ratio	Lower	Upper
152	100		
150	155.4	124.5	186.7
115	60.0	49.2	73.8

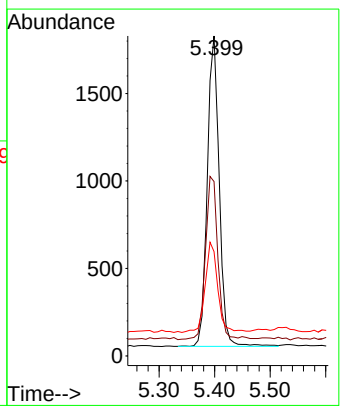


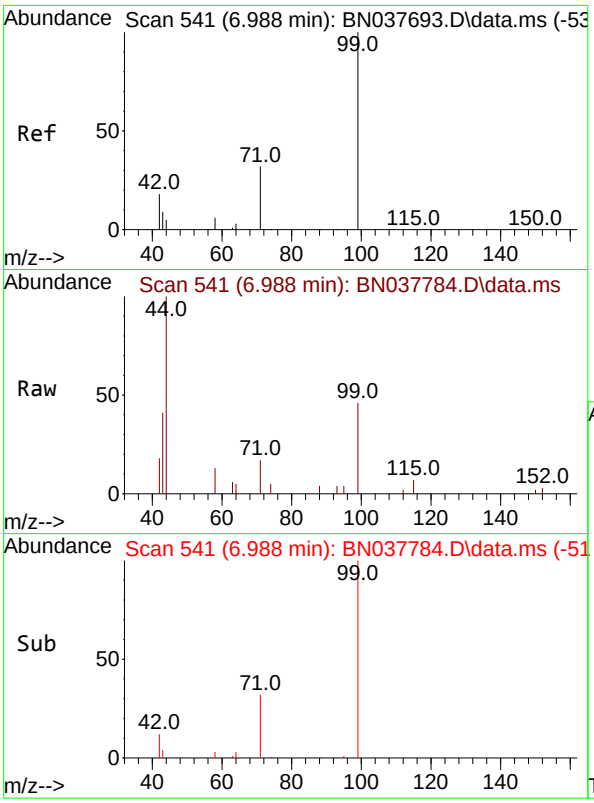


#4
2-Fluorophenol
Concen: 0.150 ng
RT: 5.399 min Scan# 321
Delta R.T. -0.000 min
Lab File: BN037784.D
Acq: 18 Sep 2025 19:25

Tgt Ion:112 Resp: 2651

Ion	Ratio	Lower	Upper
112	100		
64	53.9	44.9	67.3
63	30.7	24.7	37.1



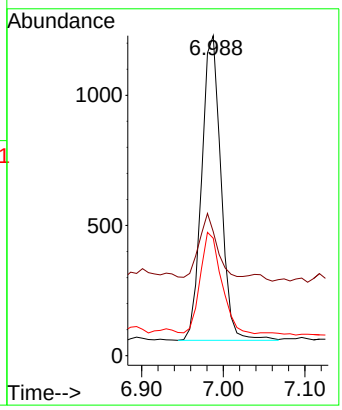


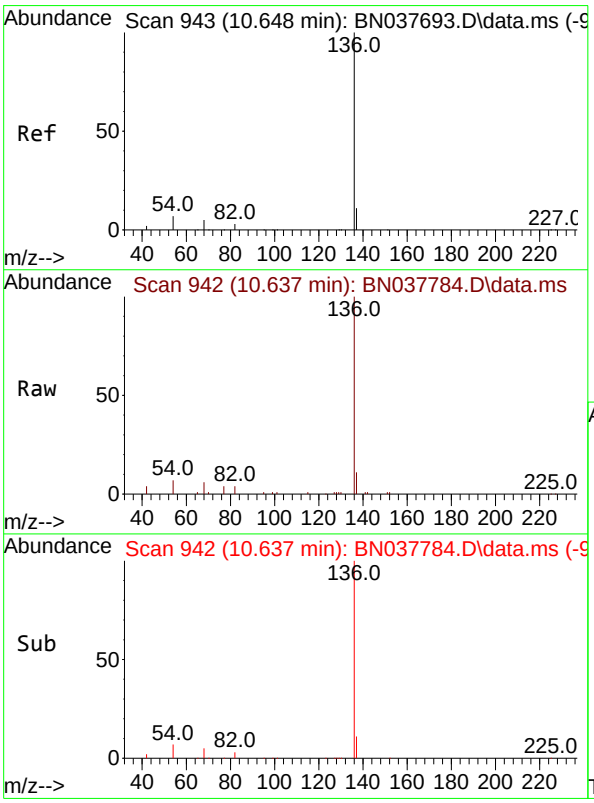
#5
Phenol-d6
Concen: 0.084 ng
RT: 6.988 min Scan# 54
Delta R.T. -0.000 min
Lab File: BN037784.D
Acq: 18 Sep 2025 19:25

Instrument :
BNA_N
ClientSampleId :
MW202D1-20250910

Tgt Ion: 99 Resp: 1924

Ion	Ratio	Lower	Upper
99	100		
42	19.6	16.6	24.8
71	36.4	26.7	40.1

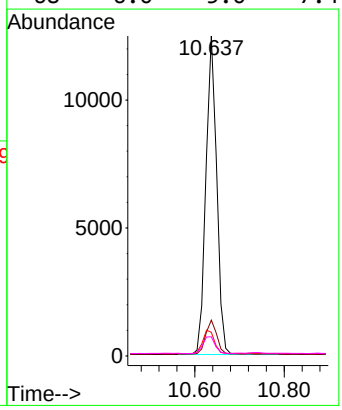


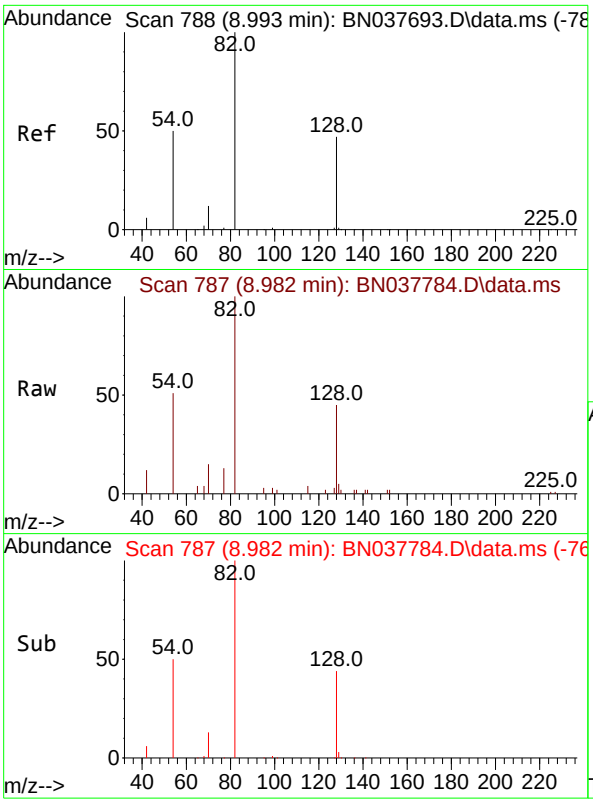


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.637 min Scan# 942
Delta R.T. -0.011 min
Lab File: BN037784.D
Acq: 18 Sep 2025 19:25

Tgt Ion:136 Resp: 20880

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	7.4	6.3	9.5
68	6.0	5.0	7.4



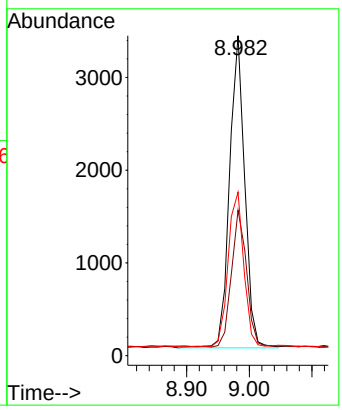


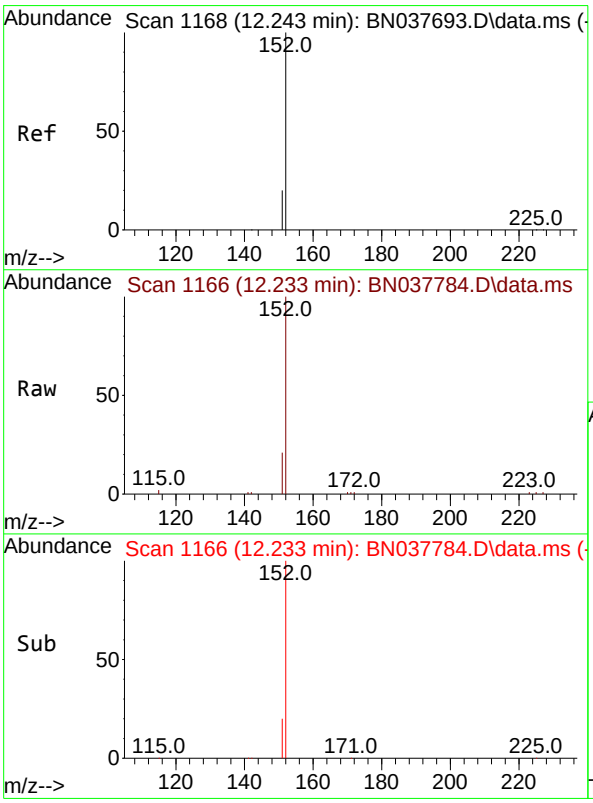
#8
Nitrobenzene-d5
Concen: 0.370 ng
RT: 8.982 min Scan# 7
Delta R.T. -0.011 min
Lab File: BN037784.D
Acq: 18 Sep 2025 19:25

Instrument :
BNA_N
ClientSampleId :
MW202D1-20250910

Tgt Ion: 82 Resp: 5656

Ion	Ratio	Lower	Upper
82	100		
128	45.4	38.3	57.5
54	51.1	41.4	62.2

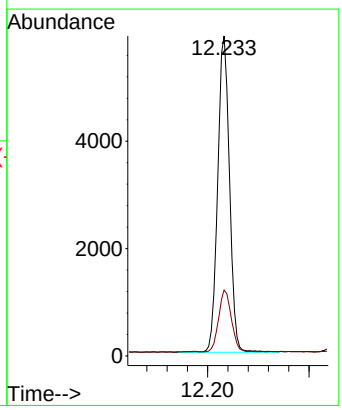


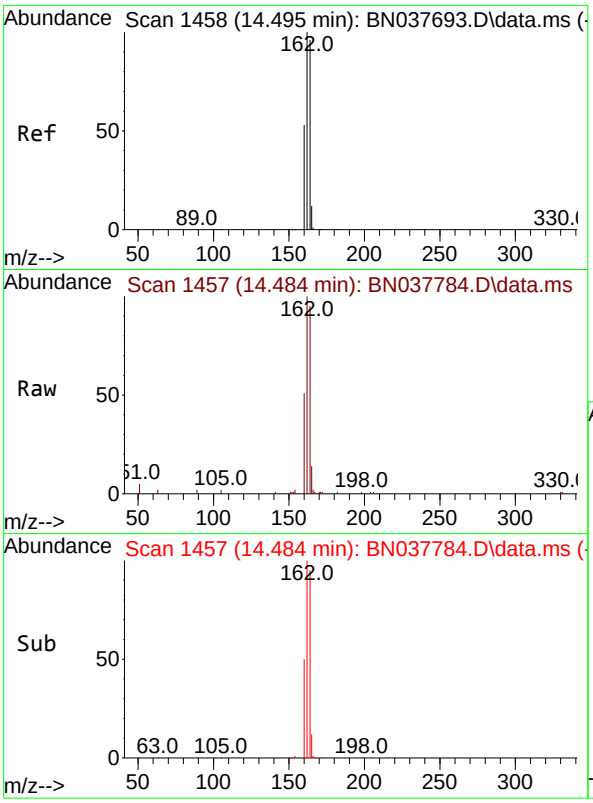


#11
2-Methylnaphthalene-d10
Concen: 0.342 ng
RT: 12.233 min Scan# 1166
Delta R.T. -0.010 min
Lab File: BN037784.D
Acq: 18 Sep 2025 19:25

Tgt Ion:152 Resp: 9459

Ion	Ratio	Lower	Upper
152	100		
151	21.0	17.0	25.6



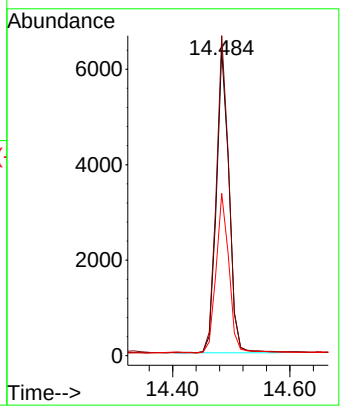


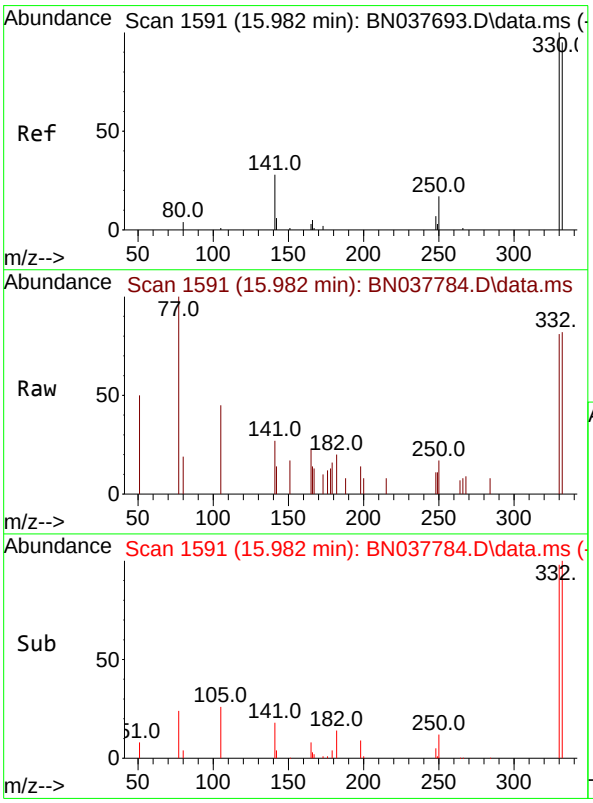
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.484 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN037784.D
Acq: 18 Sep 2025 19:25

Instrument :
BNA_N
ClientSampleId :
MW202D1-20250910

Tgt Ion:164 Resp: 9442

Ion	Ratio	Lower	Upper
164	100		
162	104.7	83.1	124.7
160	53.1	44.3	66.5

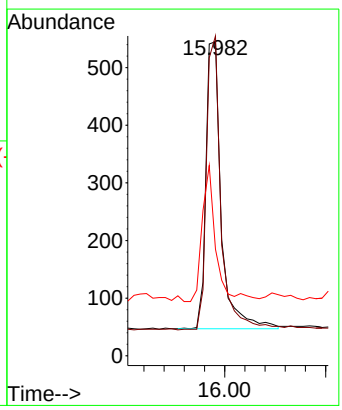


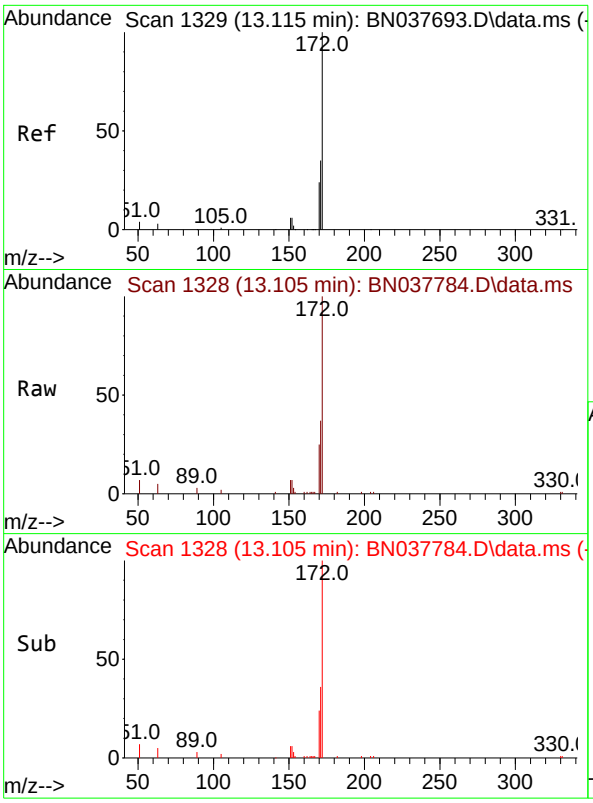


#14
2,4,6-Tribromophenol
Concen: 0.426 ng
RT: 15.982 min Scan# 1591
Delta R.T. -0.000 min
Lab File: BN037784.D
Acq: 18 Sep 2025 19:25

Tgt Ion:330 Resp: 1049

Ion	Ratio	Lower	Upper
330	100		
332	96.4	75.3	112.9
141	40.0	35.0	52.4



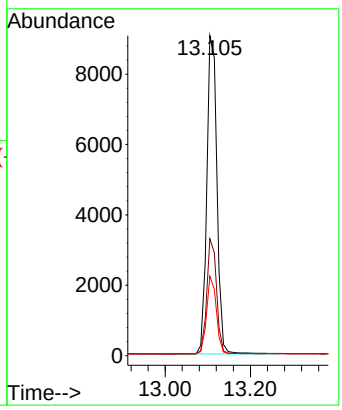


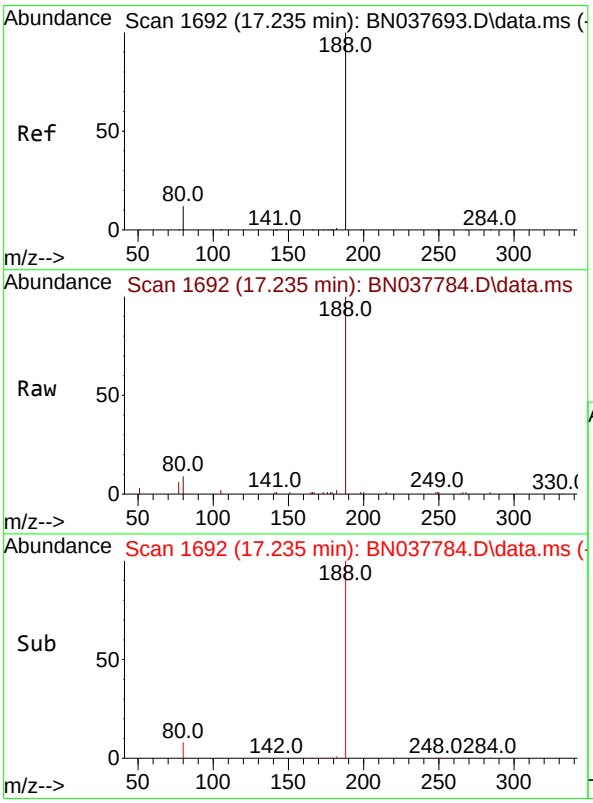
#15
2-Fluorobiphenyl
Concen: 0.378 ng
RT: 13.105 min Scan# 1
Delta R.T. -0.011 min
Lab File: BN037784.D
Acq: 18 Sep 2025 19:25

Instrument :
BNA_N
ClientSampleId :
MW202D1-20250910

Tgt Ion:172 Resp: 14911

Ion	Ratio	Lower	Upper
172	100		
171	36.6	28.6	43.0
170	24.8	19.8	29.8

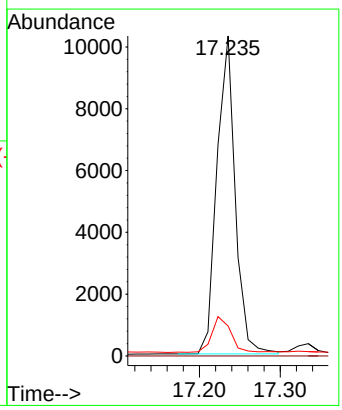


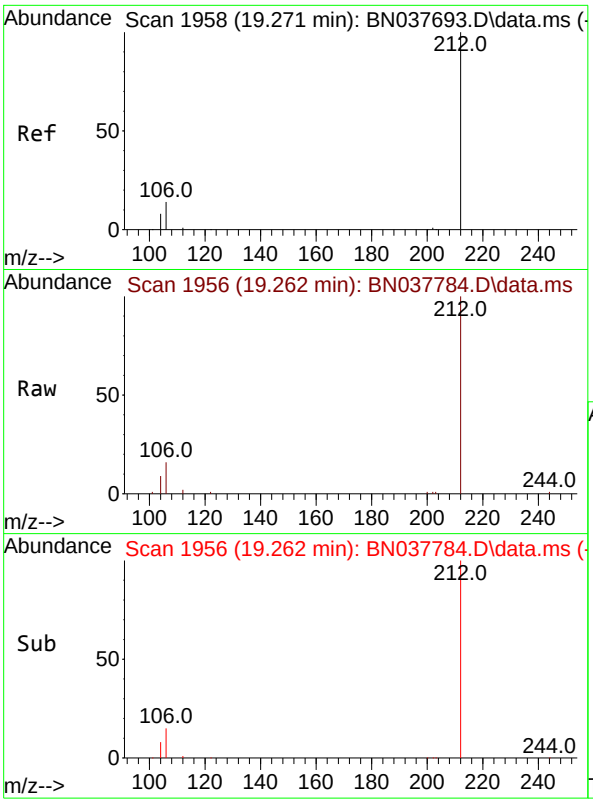


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.235 min Scan# 1692
Delta R.T. -0.000 min
Lab File: BN037784.D
Acq: 18 Sep 2025 19:25

Tgt Ion:188 Resp: 16202

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.3	10.6	15.8#



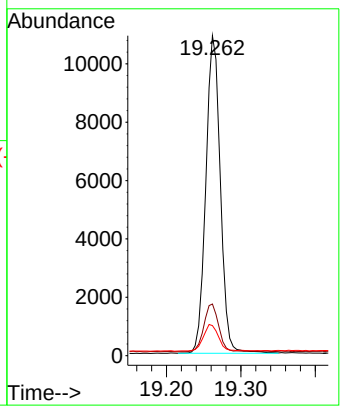


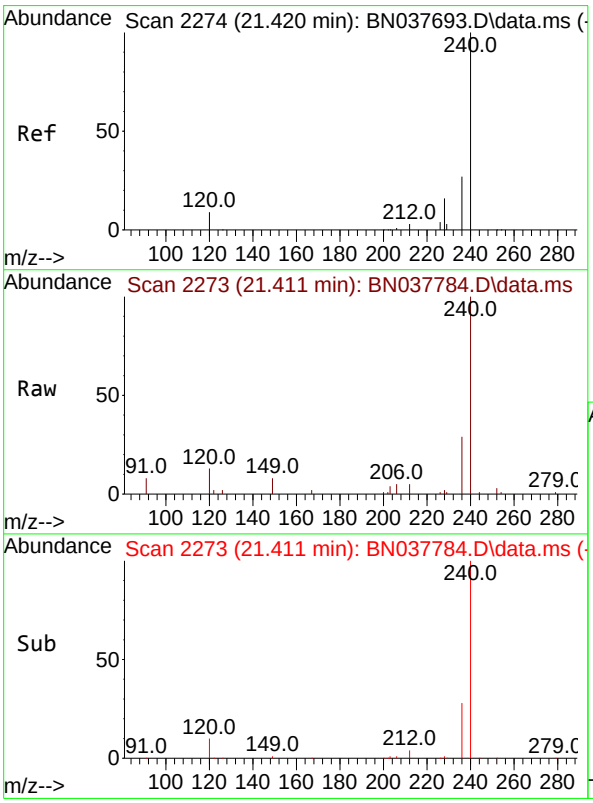
#27
Fluoranthene-d10
Concen: 0.362 ng
RT: 19.262 min Scan# 1
Delta R.T. -0.009 min
Lab File: BN037784.D
Acq: 18 Sep 2025 19:25

Instrument :
BNA_N
ClientSampleId :
MW202D1-20250910

Tgt Ion:212 Resp: 14723

Ion	Ratio	Lower	Upper
212	100		
106	15.3	12.2	18.2
104	8.6	6.9	10.3

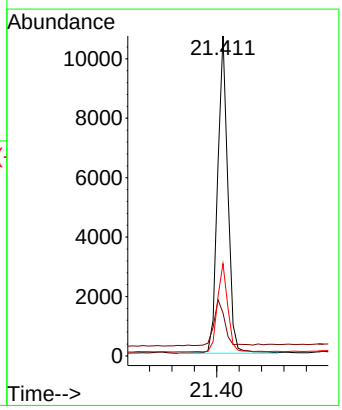


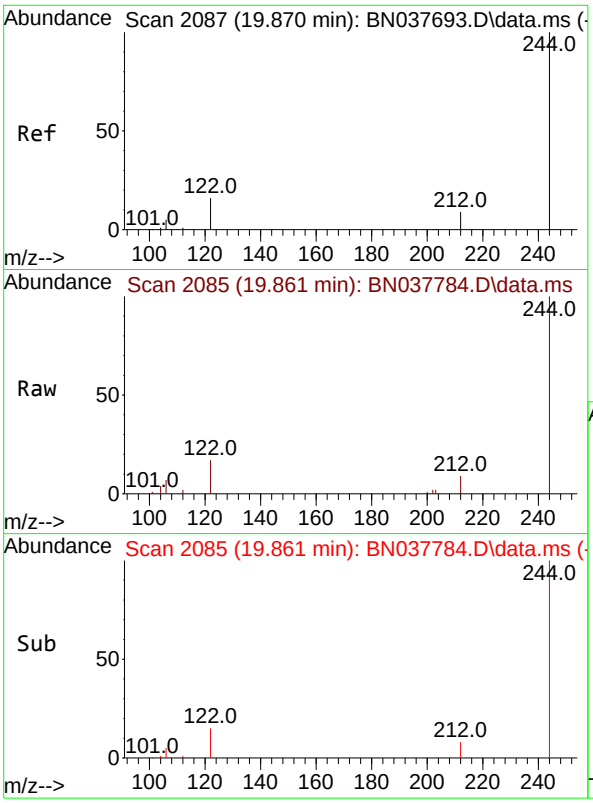


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.411 min Scan# 2273
Delta R.T. -0.009 min
Lab File: BN037784.D
Acq: 18 Sep 2025 19:25

Tgt Ion:240 Resp: 13556

Ion	Ratio	Lower	Upper
240	100		
120	13.5	9.2	13.8
236	28.8	22.6	33.8



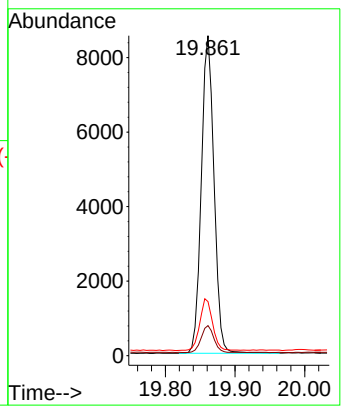


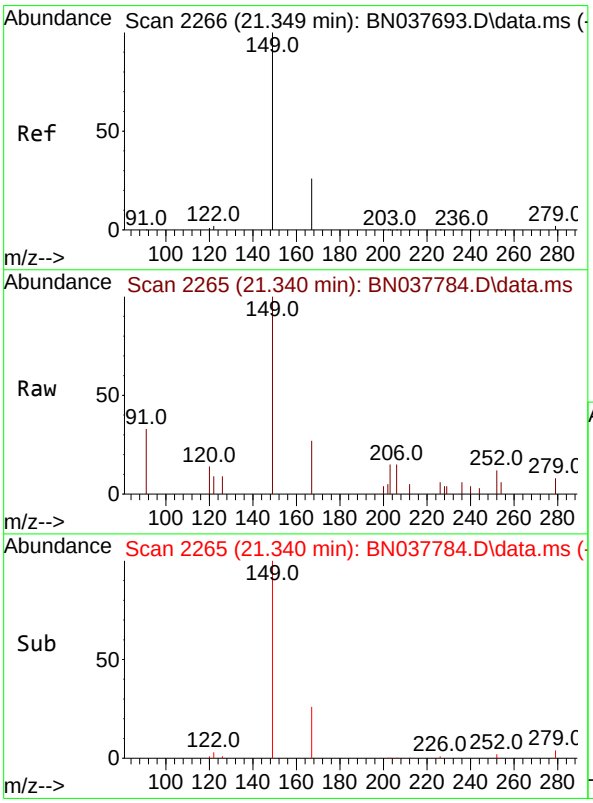
#31
Terphenyl-d14
Concen: 0.393 ng
RT: 19.861 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037784.D
Acq: 18 Sep 2025 19:25

Instrument :
BNA_N
ClientSampleId :
MW202D1-20250910

Tgt Ion:244 Resp: 10812

Ion	Ratio	Lower	Upper
244	100		
212	9.4	7.5	11.3
122	16.9	13.2	19.8

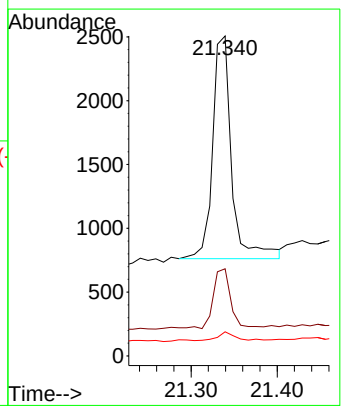


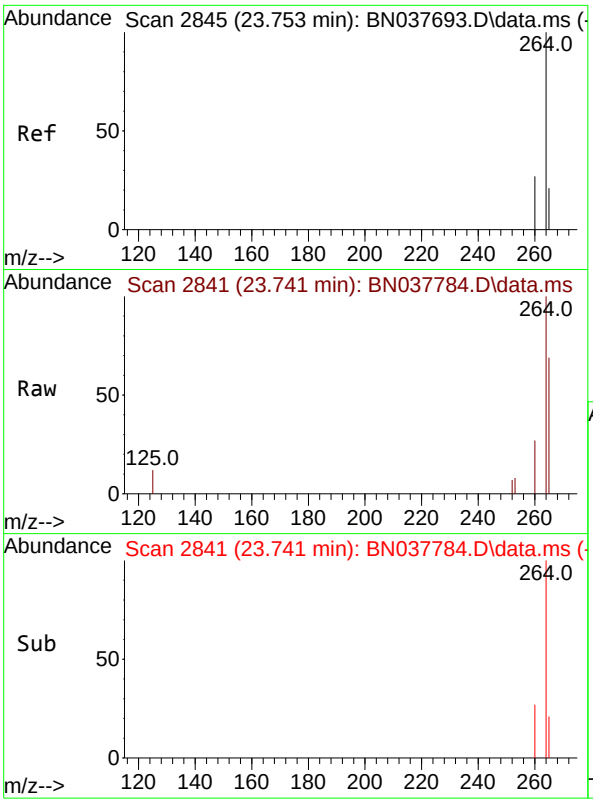


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.190 ng
RT: 21.340 min Scan# 2265
Delta R.T. -0.009 min
Lab File: BN037784.D
Acq: 18 Sep 2025 19:25

Tgt Ion:149 Resp: 2668

Ion	Ratio	Lower	Upper
149	100		
167	23.5	20.8	31.2
279	3.3	3.3	4.9



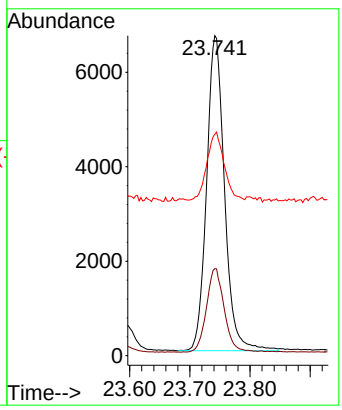


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.741 min Scan# 2
Delta R.T. -0.012 min
Lab File: BN037784.D
Acq: 18 Sep 2025 19:25

Instrument :
BNA_N
ClientSampleId :
MW202D1-20250910

Tgt Ion:264 Resp: 13782

Ion	Ratio	Lower	Upper
264	100		
260	27.2	21.8	32.8
265	69.2	39.4	59.2#



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:	09/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	RE104D2-20250910	SDG No.:	Q3095
Lab Sample ID:	Q3095-23	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
BN037785.D	1	09/15/25 12:00	09/18/25 20:02	PB169693

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	0.32		30 - 150		81%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.38		30 - 150		95%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.35		55 - 111		88%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.35		53 - 106		86%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.40		58 - 132		99%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7420	7.833				
1146-65-2	Naphthalene-d8	19800	10.637				
15067-26-2	Acenaphthene-d10	9120	14.484				
1517-22-2	Phenanthrene-d10	16800	17.235				
1719-03-5	Chrysene-d12	15000	21.411				
1520-96-3	Perylene-d12	14800	23.741				

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\BN091825\
Data File : BN037785.D
Acq On : 18 Sep 2025 20:02
Operator : RC/JU
Sample : Q3095-23
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE104D2-20250910

Quant Time: Sep 19 04:10:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

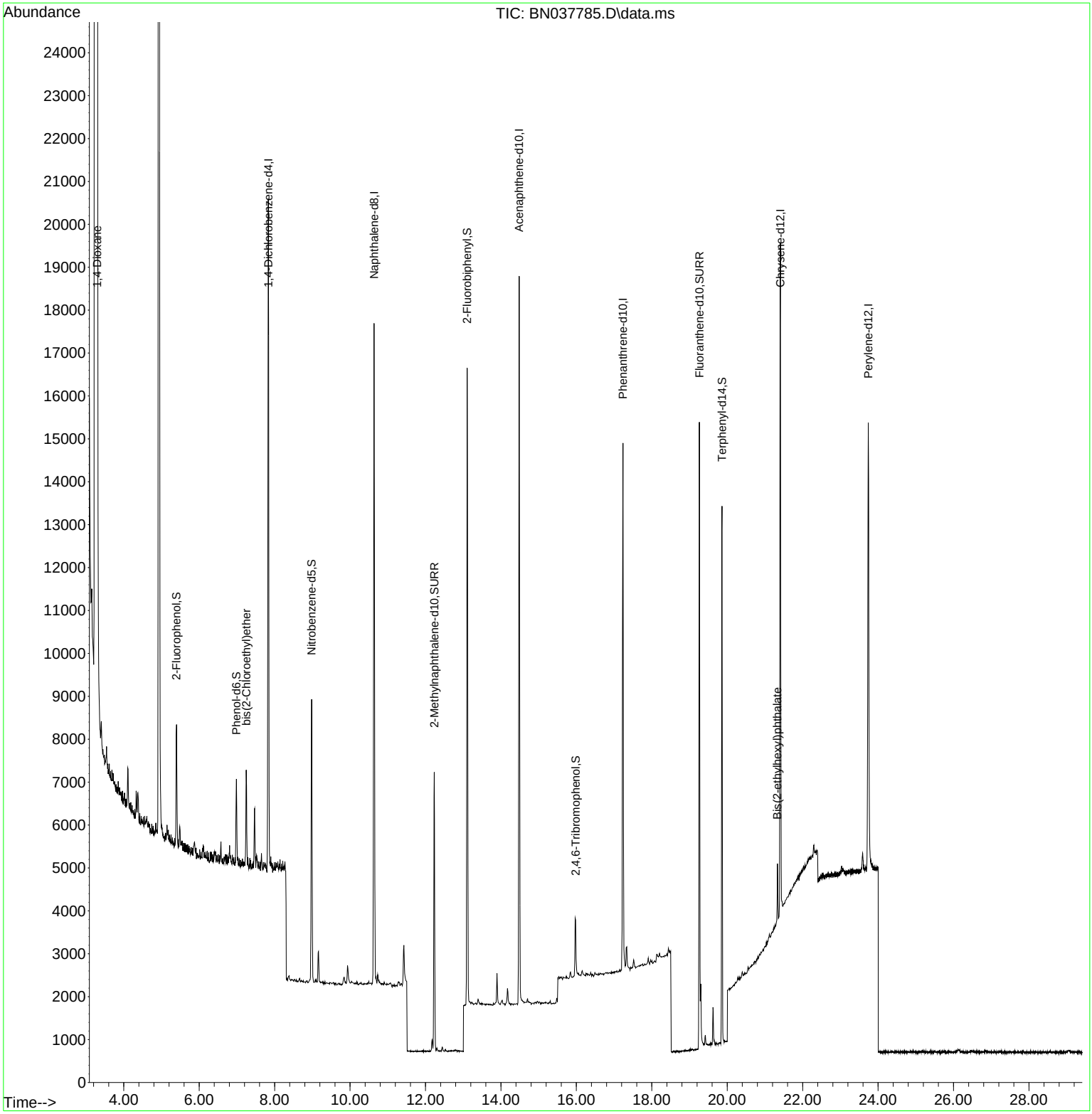
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.833	152	7416	0.400	ng	0.00
7) Naphthalene-d8	10.637	136	19792	0.400	ng	-0.01
13) Acenaphthene-d10	14.484	164	9115	0.400	ng	-0.01
19) Phenanthrene-d10	17.235	188	16768	0.400	ng	# 0.00
29) Chrysene-d12	21.411	240	14951	0.400	ng	0.00
35) Perylene-d12	23.741	264	14804	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.399	112	2307	0.136	ng	0.00
5) Phenol-d6	6.988	99	1691	0.077	ng	0.00
8) Nitrobenzene-d5	8.982	82	5110	0.353	ng	-0.01
11) 2-Methylnaphthalene-d10	12.232	152	8502	0.324	ng	-0.01
14) 2,4,6-Tribromophenol	15.982	330	987	0.415	ng	0.00
15) 2-Fluorobiphenyl	13.105	172	13157	0.345	ng	-0.01
27) Fluoranthene-d10	19.262	212	16067	0.382	ng	0.00
31) Terphenyl-d14	19.861	244	12035	0.397	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.297	88	15980	2.069	ng	96
6) bis(2-Chloroethyl)ether	7.248	93	1596	0.081	ng	97
34) Bis(2-ethylhexyl)phtha...	21.330	149	1394	0.090	ng	# 95

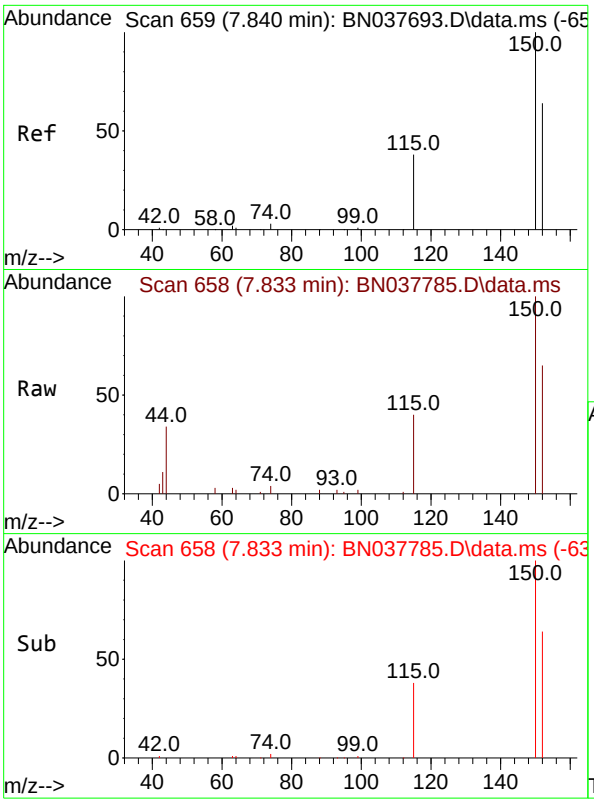
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091825\
Data File : BN037785.D
Acq On : 18 Sep 2025 20:02
Operator : RC/JU
Sample : Q3095-23
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE104D2-20250910

Quant Time: Sep 19 04:10:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration



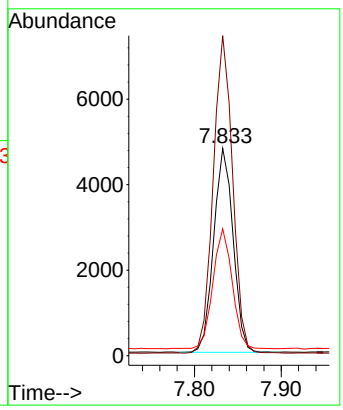


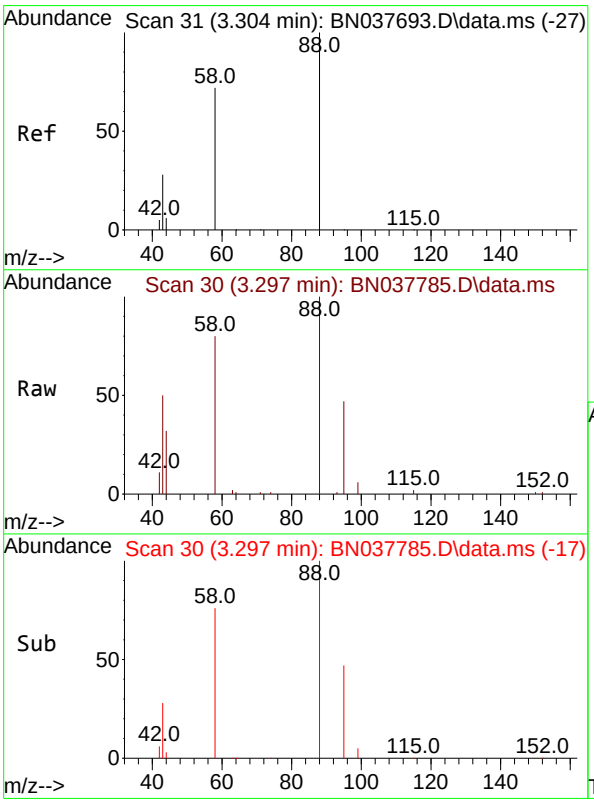
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.833 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN037785.D
Acq: 18 Sep 2025 20:02

Instrument :
BNA_N
ClientSampleId :
RE104D2-20250910

Tgt Ion:152 Resp: 7416

Ion	Ratio	Lower	Upper
152	100		
150	154.3	124.5	186.7
115	61.2	49.2	73.8

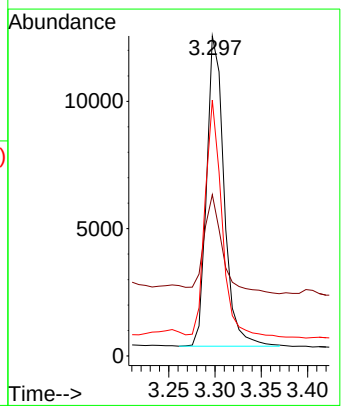


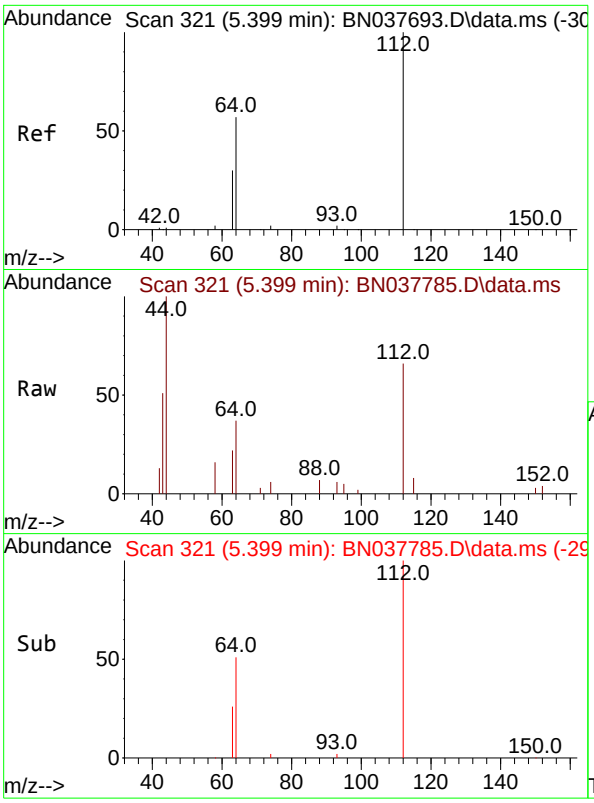


#2
1,4-Dioxane
Concen: 2.069 ng
RT: 3.297 min Scan# 30
Delta R.T. -0.007 min
Lab File: BN037785.D
Acq: 18 Sep 2025 20:02

Tgt Ion: 88 Resp: 15980

Ion	Ratio	Lower	Upper
88	100		
43	33.8	26.8	40.2
58	73.0	61.9	92.9



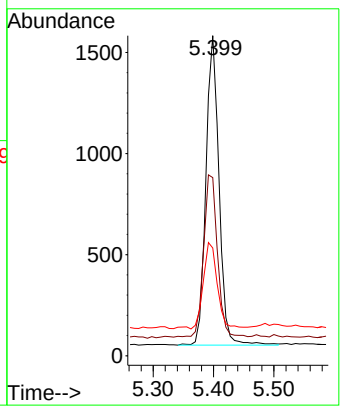


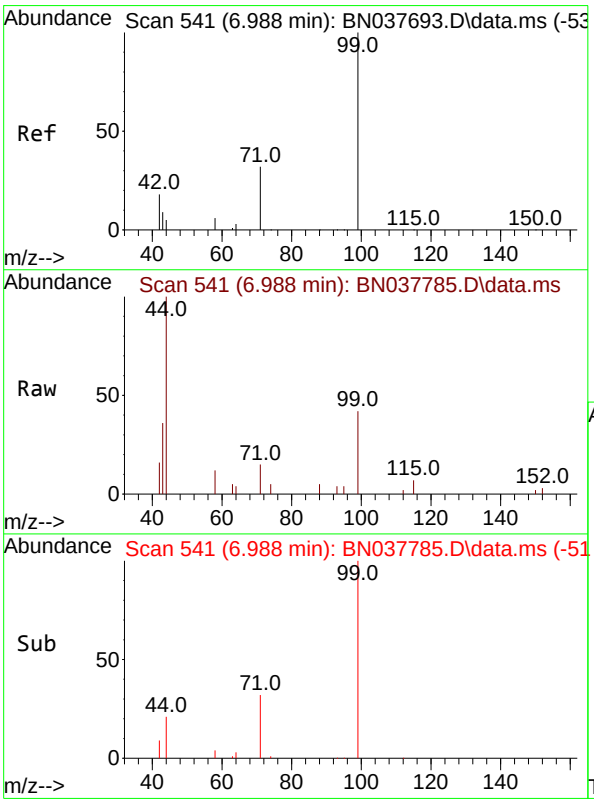
#4
2-Fluorophenol
Concen: 0.136 ng
RT: 5.399 min Scan# 3
Delta R.T. -0.000 min
Lab File: BN037785.D
Acq: 18 Sep 2025 20:02

Instrument :
BNA_N
ClientSampleId :
RE104D2-20250910

Tgt Ion:112 Resp: 2307

Ion	Ratio	Lower	Upper
112	100		
64	55.4	44.9	67.3
63	29.9	24.7	37.1

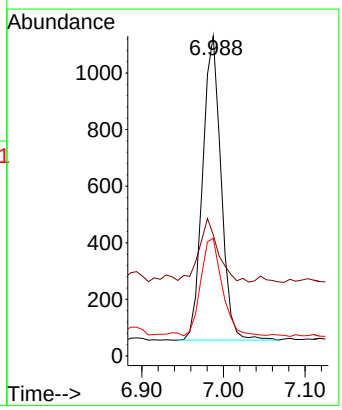


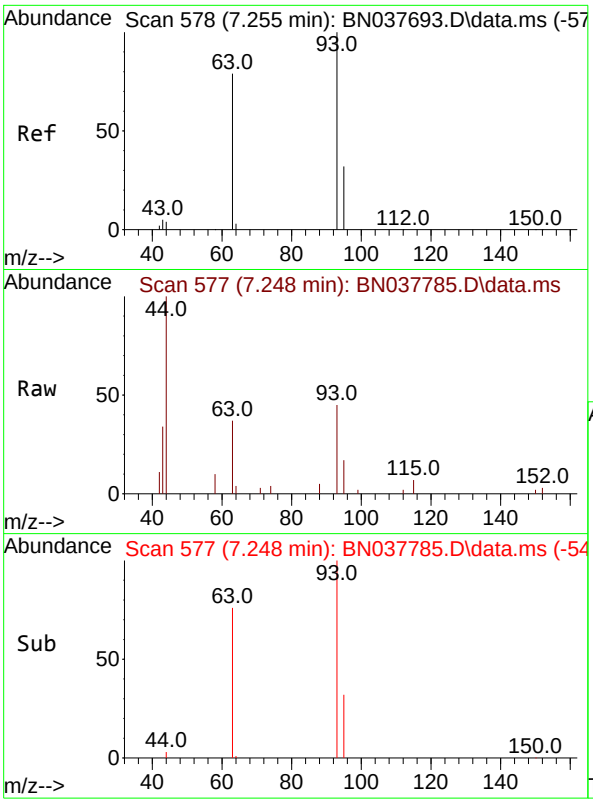


#5
Phenol-d6
Concen: 0.077 ng
RT: 6.988 min Scan# 541
Delta R.T. -0.000 min
Lab File: BN037785.D
Acq: 18 Sep 2025 20:02

Tgt Ion: 99 Resp: 1691

Ion	Ratio	Lower	Upper
99	100		
42	21.7	16.6	24.8
71	37.3	26.7	40.1



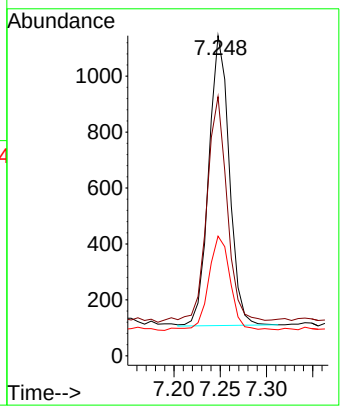


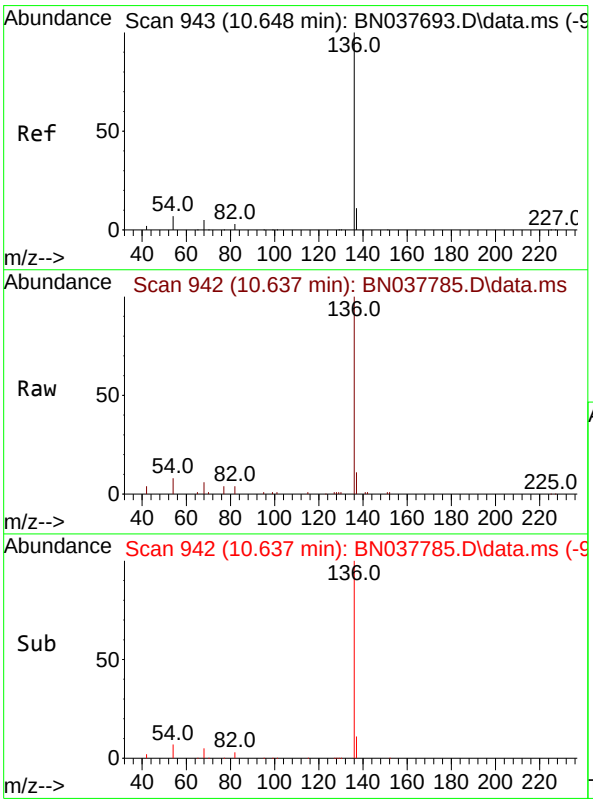
#6
bis(2-Chloroethyl)ether
Concen: 0.081 ng
RT: 7.248 min Scan# 5
Delta R.T. -0.007 min
Lab File: BN037785.D
Acq: 18 Sep 2025 20:02

Instrument :
BNA_N
ClientSampleId :
RE104D2-20250910

Tgt Ion: 93 Resp: 1596

Ion	Ratio	Lower	Upper
93	100		
63	77.9	60.6	90.8
95	34.6	26.0	39.0

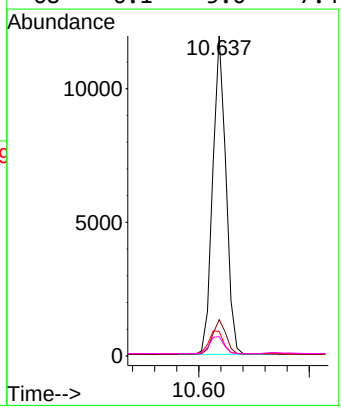


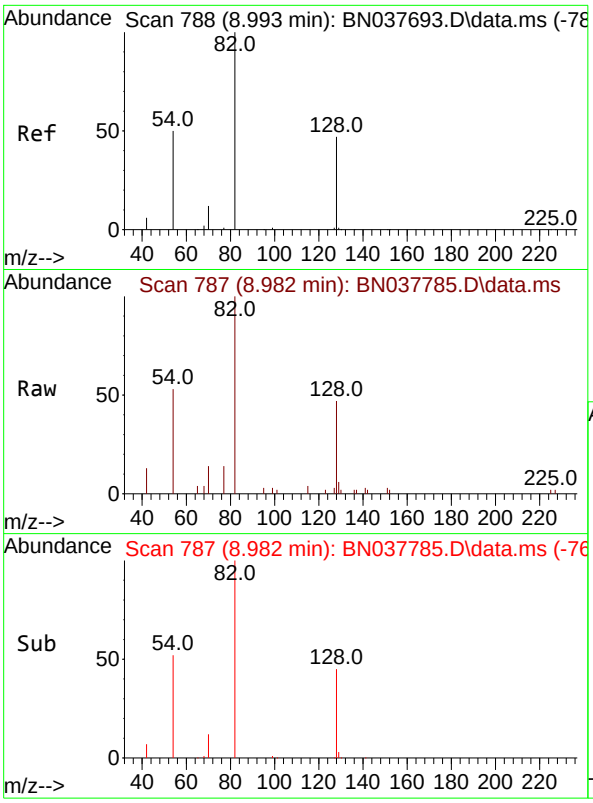


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.637 min Scan# 942
Delta R.T. -0.011 min
Lab File: BN037785.D
Acq: 18 Sep 2025 20:02

Tgt Ion:136 Resp: 19792

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	7.6	6.3	9.5
68	6.1	5.0	7.4



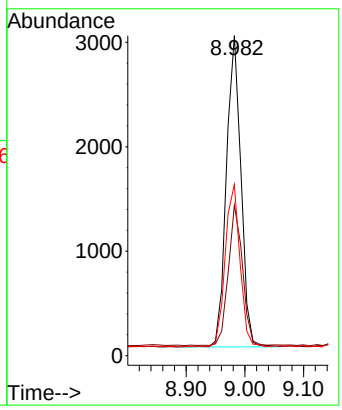


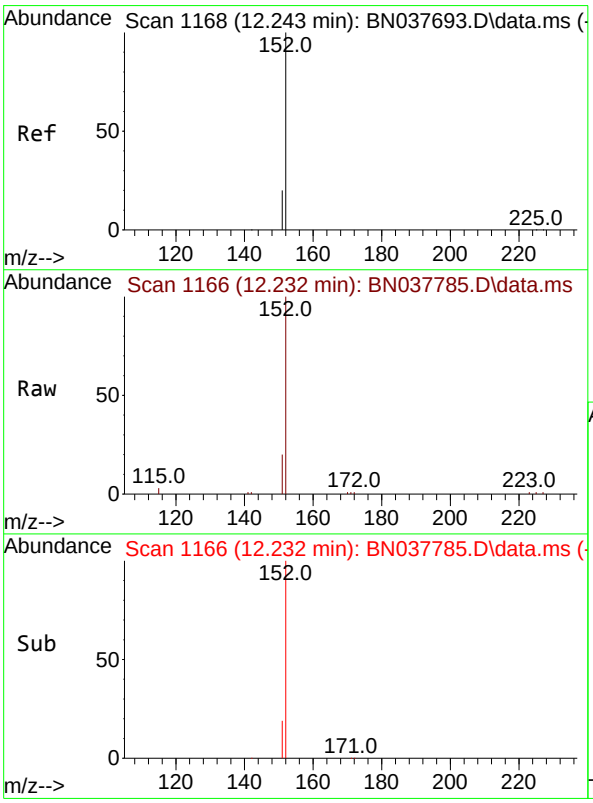
#8
Nitrobenzene-d5
Concen: 0.353 ng
RT: 8.982 min Scan# 7
Delta R.T. -0.011 min
Lab File: BN037785.D
Acq: 18 Sep 2025 20:02

Instrument :
BNA_N
ClientSampleId :
RE104D2-20250910

Tgt Ion: 82 Resp: 5110

Ion	Ratio	Lower	Upper
82	100		
128	47.0	38.3	57.5
54	53.5	41.4	62.2

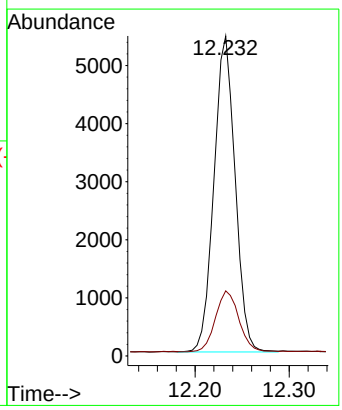


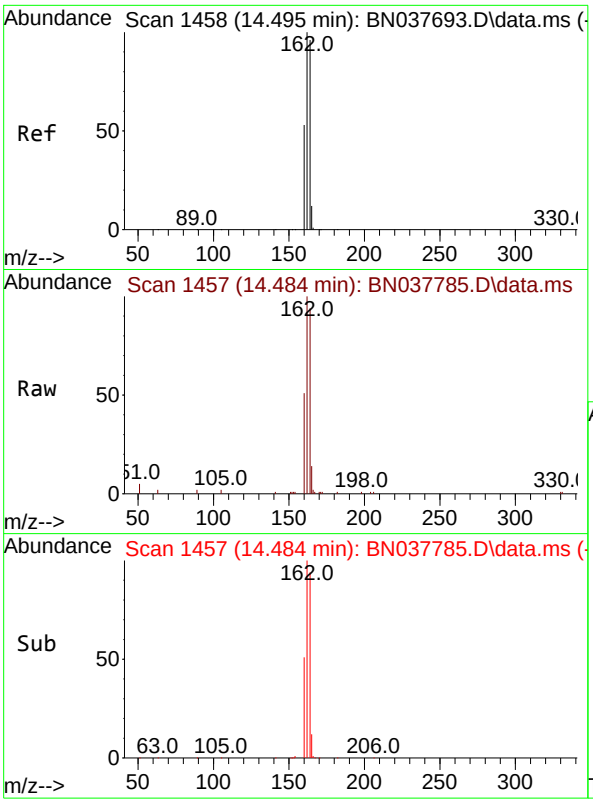


#11
2-Methylnaphthalene-d10
Concen: 0.324 ng
RT: 12.232 min Scan# 1166
Delta R.T. -0.010 min
Lab File: BN037785.D
Acq: 18 Sep 2025 20:02

Tgt Ion:152 Resp: 8502

Ion	Ratio	Lower	Upper
152	100		
151	21.3	17.0	25.6



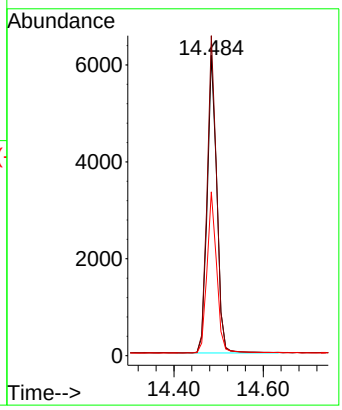


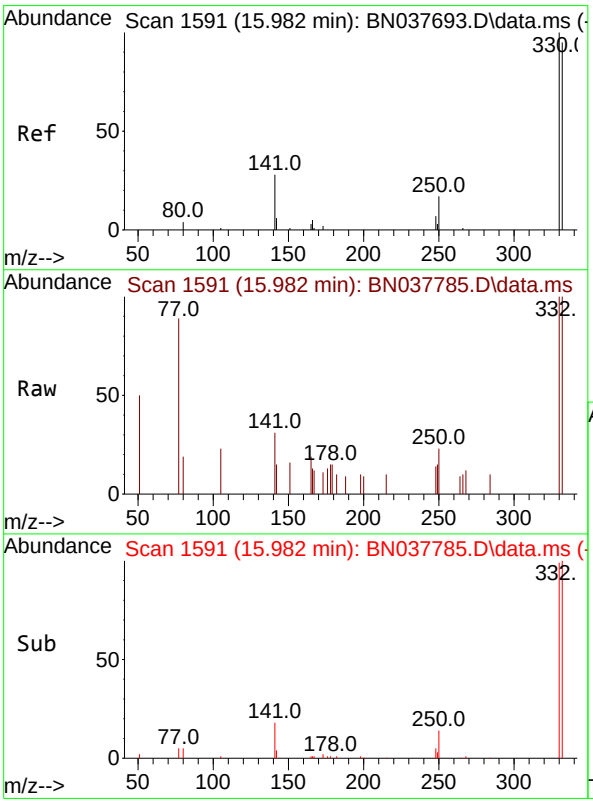
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.484 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN037785.D
Acq: 18 Sep 2025 20:02

Instrument :
BNA_N
ClientSampleId :
RE104D2-20250910

Tgt Ion:164 Resp: 9115

Ion	Ratio	Lower	Upper
164	100		
162	106.5	83.1	124.7
160	54.6	44.3	66.5

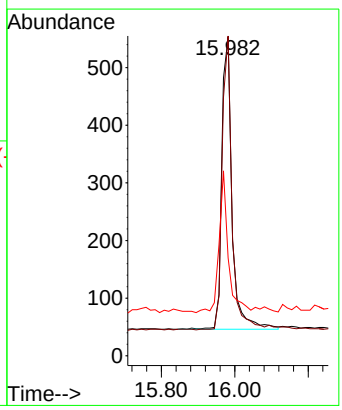


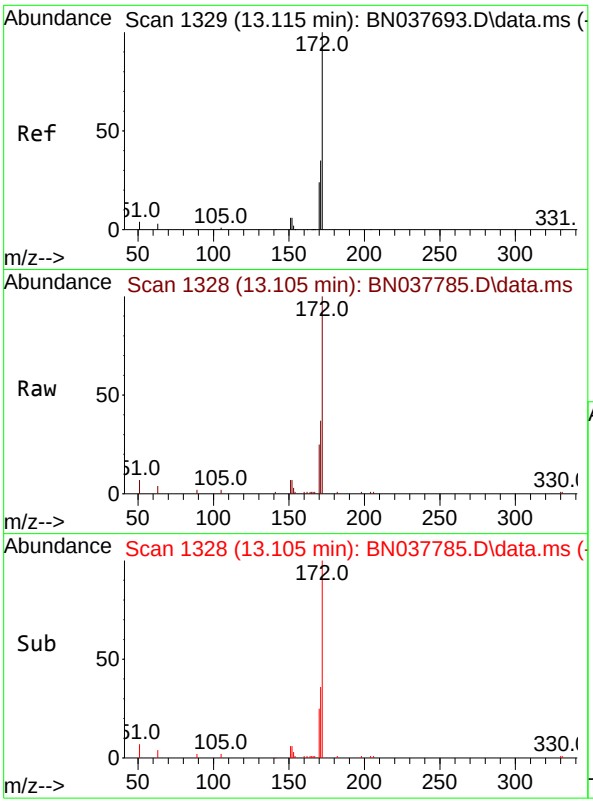


#14
2,4,6-Tribromophenol
Concen: 0.415 ng
RT: 15.982 min Scan# 1591
Delta R.T. -0.000 min
Lab File: BN037785.D
Acq: 18 Sep 2025 20:02

Tgt Ion:330 Resp: 987

Ion	Ratio	Lower	Upper
330	100		
332	96.3	75.3	112.9
141	43.2	35.0	52.4



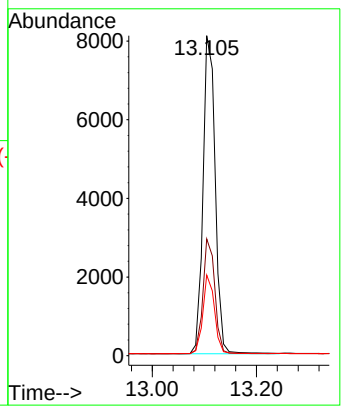


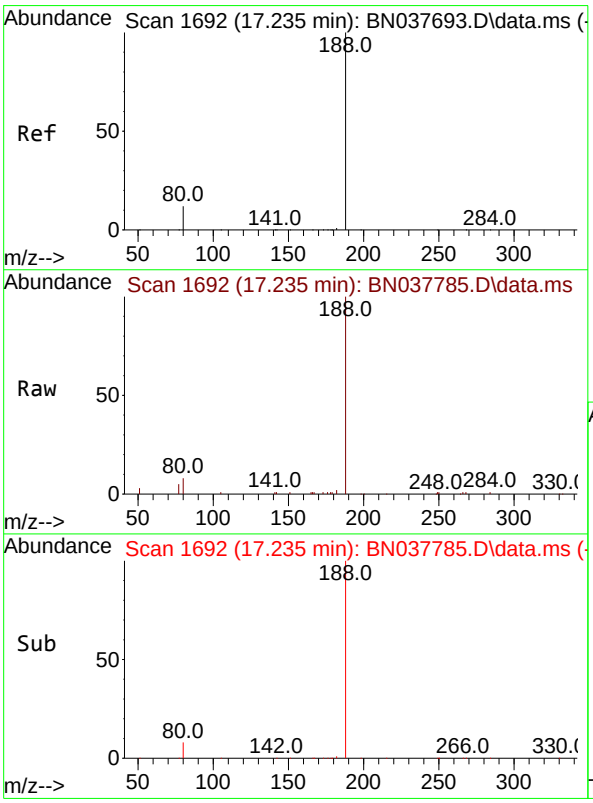
#15
2-Fluorobiphenyl
Concen: 0.345 ng
RT: 13.105 min Scan# 1
Delta R.T. -0.011 min
Lab File: BN037785.D
Acq: 18 Sep 2025 20:02

Instrument :
BNA_N
ClientSampleId :
RE104D2-20250910

Tgt Ion:172 Resp: 13157

Ion	Ratio	Lower	Upper
172	100		
171	36.5	28.6	43.0
170	25.2	19.8	29.8

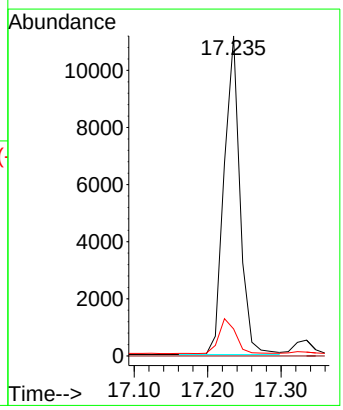


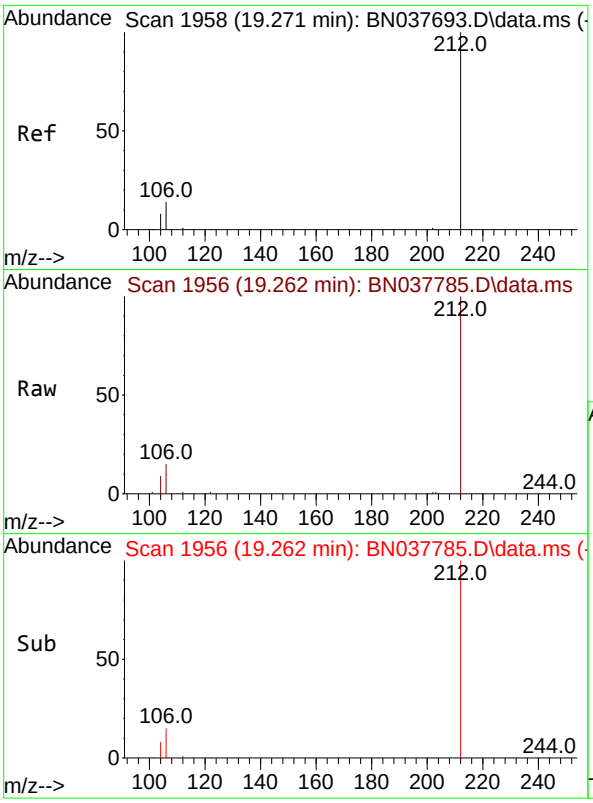


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.235 min Scan# 1692
Delta R.T. -0.000 min
Lab File: BN037785.D
Acq: 18 Sep 2025 20:02

Tgt Ion:188 Resp: 16768

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.5	10.6	15.8#



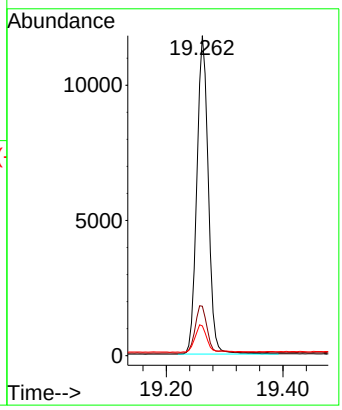


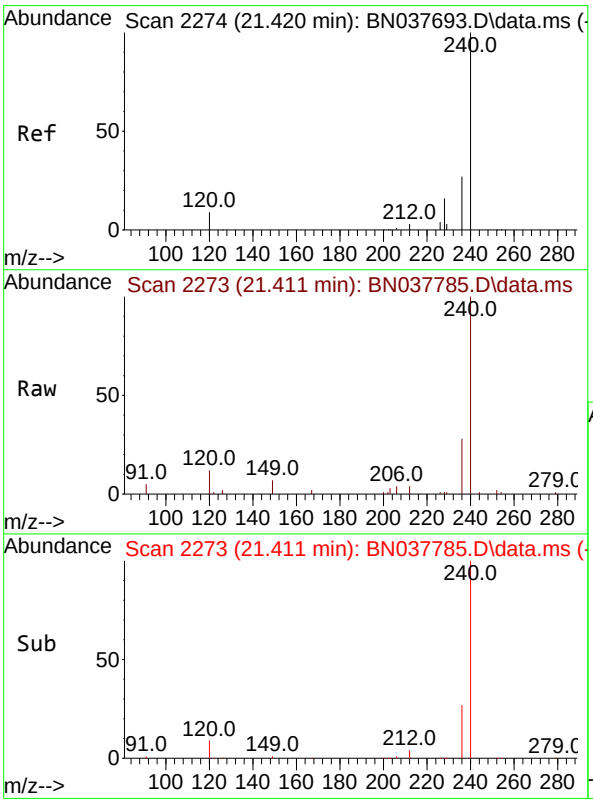
#27
Fluoranthene-d10
Concen: 0.382 ng
RT: 19.262 min Scan# 1
Delta R.T. -0.009 min
Lab File: BN037785.D
Acq: 18 Sep 2025 20:02

Instrument :
BNA_N
ClientSampleId :
RE104D2-20250910

Tgt Ion:212 Resp: 16067

Ion	Ratio	Lower	Upper
212	100		
106	15.4	12.2	18.2
104	8.7	6.9	10.3

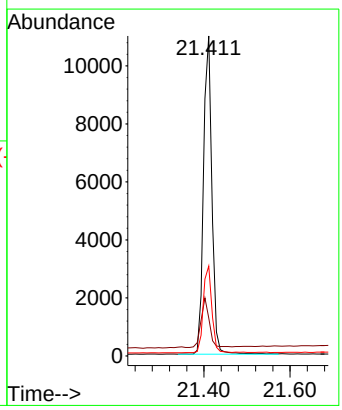


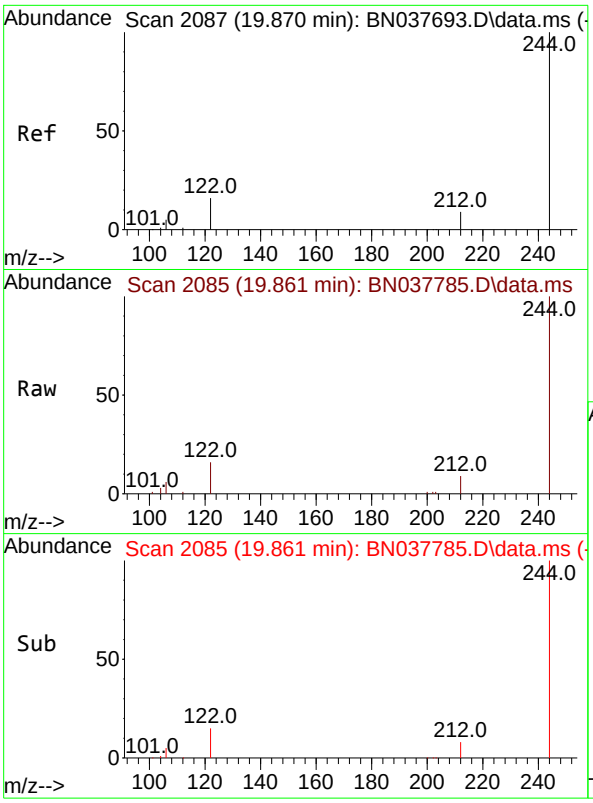


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.411 min Scan# 2273
Delta R.T. -0.009 min
Lab File: BN037785.D
Acq: 18 Sep 2025 20:02

Tgt Ion:240 Resp: 14951

Ion	Ratio	Lower	Upper
240	100		
120	11.8	9.2	13.8
236	28.1	22.6	33.8



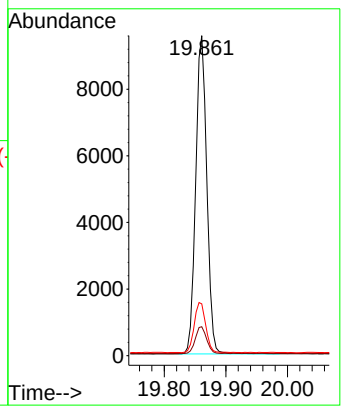


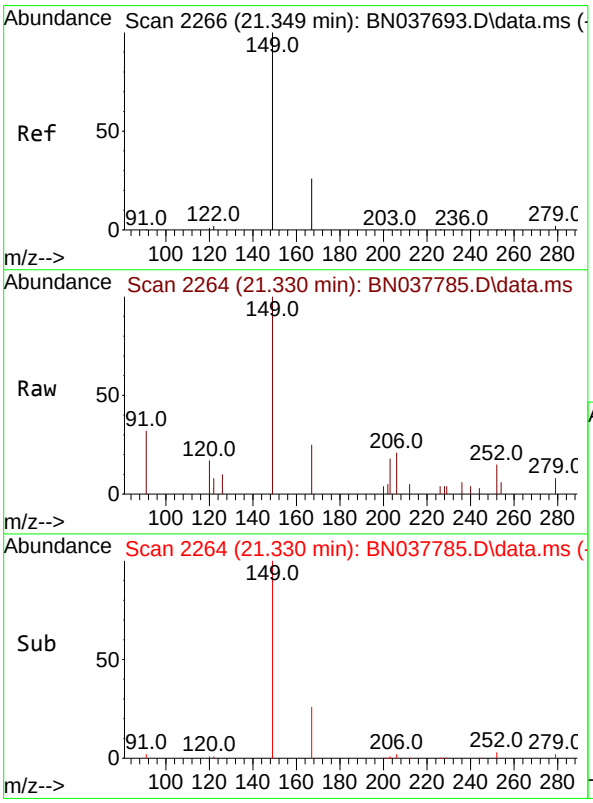
#31
Terphenyl-d14
Concen: 0.397 ng
RT: 19.861 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037785.D
Acq: 18 Sep 2025 20:02

Instrument :
BNA_N
ClientSampleId :
RE104D2-20250910

Tgt Ion:244 Resp: 12035

Ion	Ratio	Lower	Upper
244	100		
212	9.1	7.5	11.3
122	16.2	13.2	19.8

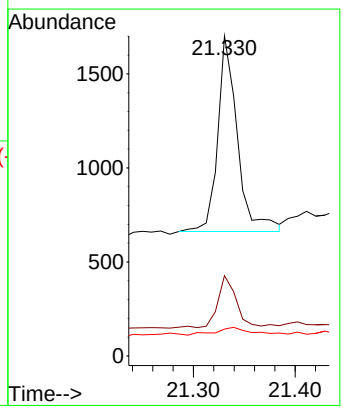


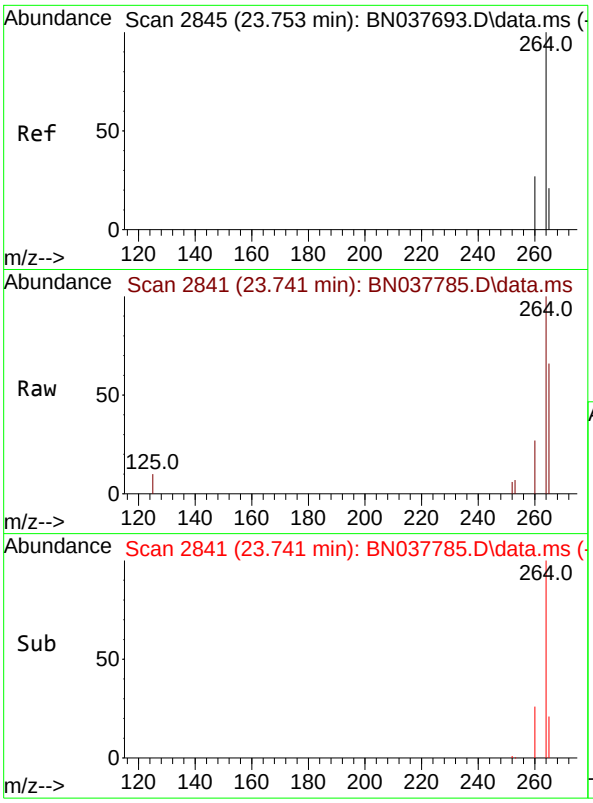


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.090 ng
RT: 21.330 min Scan# 2264
Delta R.T. -0.018 min
Lab File: BN037785.D
Acq: 18 Sep 2025 20:02

Tgt Ion:149 Resp: 1394

Ion	Ratio	Lower	Upper
149	100		
167	23.9	20.8	31.2
279	7.3	3.3	4.9#



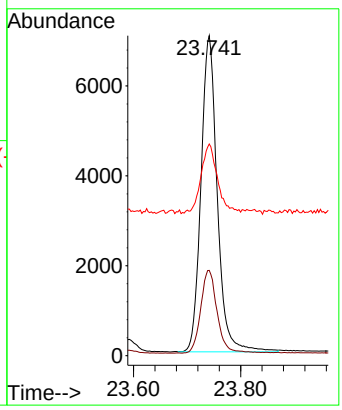


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.741 min Scan# 2
Delta R.T. -0.012 min
Lab File: BN037785.D
Acq: 18 Sep 2025 20:02

Instrument :
BNA_N
ClientSampleId :
RE104D2-20250910

Tgt Ion:264 Resp: 14804

Ion	Ratio	Lower	Upper
264	100		
260	26.6	21.8	32.8
265	66.1	39.4	59.2#



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:	09/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	MW178I-20250910	SDG No.:	Q3095
Lab Sample ID:	Q3095-24	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
BN037786.D	1	09/15/25 12:00	09/18/25 20:38	PB169693

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.12	J	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.28		30 - 150		69%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.33		30 - 150		81%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.31		55 - 111		76%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.31		53 - 106		77%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.39		58 - 132		97%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7910	7.833				
1146-65-2	Naphthalene-d8	21400	10.637				
15067-26-2	Acenaphthene-d10	9550	14.484				
1517-22-2	Phenanthrene-d10	16100	17.235				
1719-03-5	Chrysene-d12	12400	21.411				
1520-96-3	Perylene-d12	12400	23.738				

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\BN091825\
Data File : BN037786.D
Acq On : 18 Sep 2025 20:38
Operator : RC/JU
Sample : Q3095-24
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW178I-20250910

Quant Time: Sep 19 04:11:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

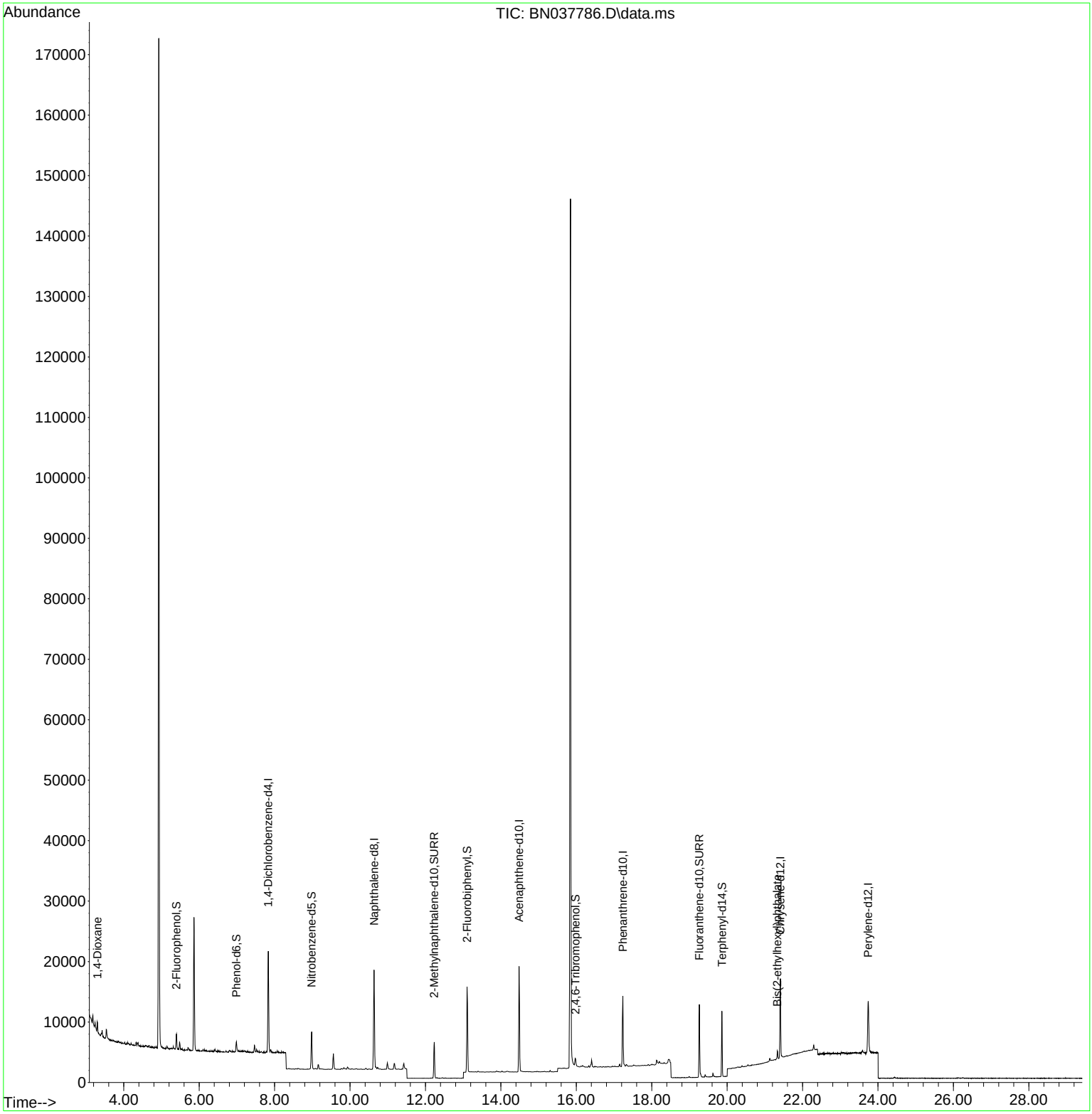
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.833	152	7906	0.400	ng	0.00
7) Naphthalene-d8	10.637	136	21432	0.400	ng	-0.01
13) Acenaphthene-d10	14.484	164	9551	0.400	ng	-0.01
19) Phenanthrene-d10	17.235	188	16120	0.400	ng	# 0.00
29) Chrysene-d12	21.411	240	12351	0.400	ng	0.00
35) Perylene-d12	23.738	264	12408	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.399	112	2081	0.115	ng	0.00
5) Phenol-d6	6.988	99	1525	0.065	ng	0.00
8) Nitrobenzene-d5	8.982	82	4783	0.305	ng	-0.01
11) 2-Methylnaphthalene-d10	12.232	152	7810	0.275	ng	-0.01
14) 2,4,6-Tribromophenol	15.982	330	898	0.360	ng	0.00
15) 2-Fluorobiphenyl	13.105	172	12279	0.307	ng	-0.01
27) Fluoranthene-d10	19.262	212	13193	0.326	ng	0.00
31) Terphenyl-d14	19.861	244	9674	0.386	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.304	88	948	0.115	ng	# 69
34) Bis(2-ethylhexyl)phtha...	21.330	149	1447	0.113	ng	# 96

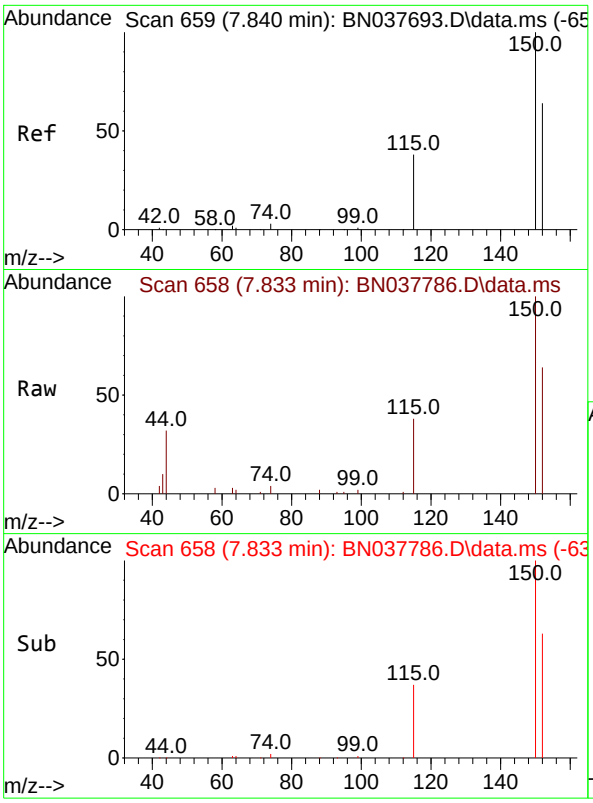
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091825\
Data File : BN037786.D
Acq On : 18 Sep 2025 20:38
Operator : RC/JU
Sample : Q3095-24
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW178I-20250910

Quant Time: Sep 19 04:11:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration



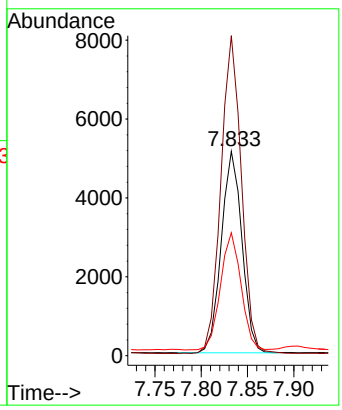


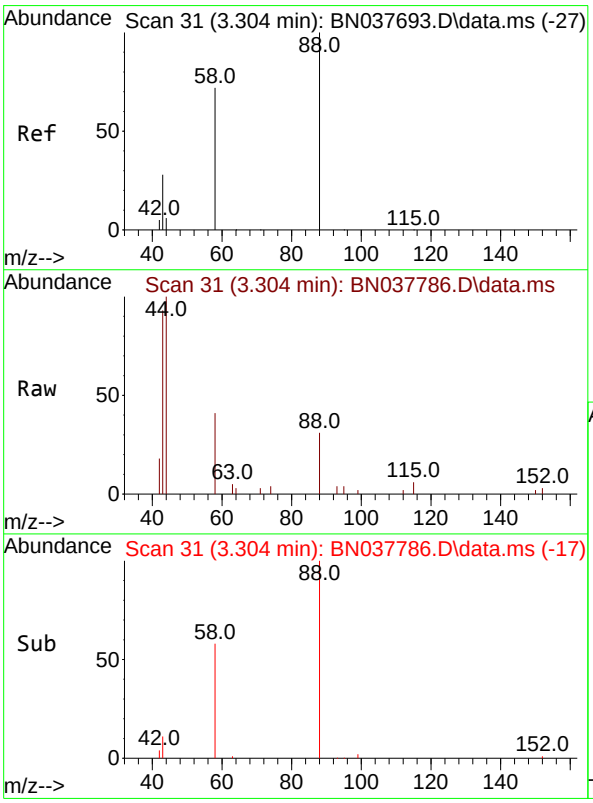
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.833 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN037786.D
Acq: 18 Sep 2025 20:38

Instrument :
BNA_N
ClientSampleId :
MW178I-20250910

Tgt Ion:152 Resp: 7906

Ion	Ratio	Lower	Upper
152	100		
150	156.6	124.5	186.7
115	60.2	49.2	73.8

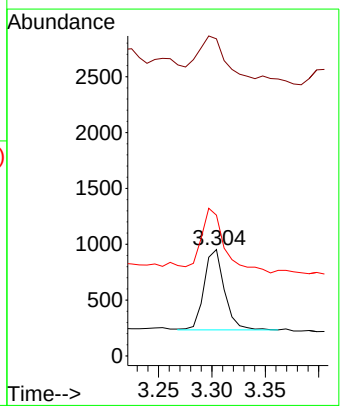


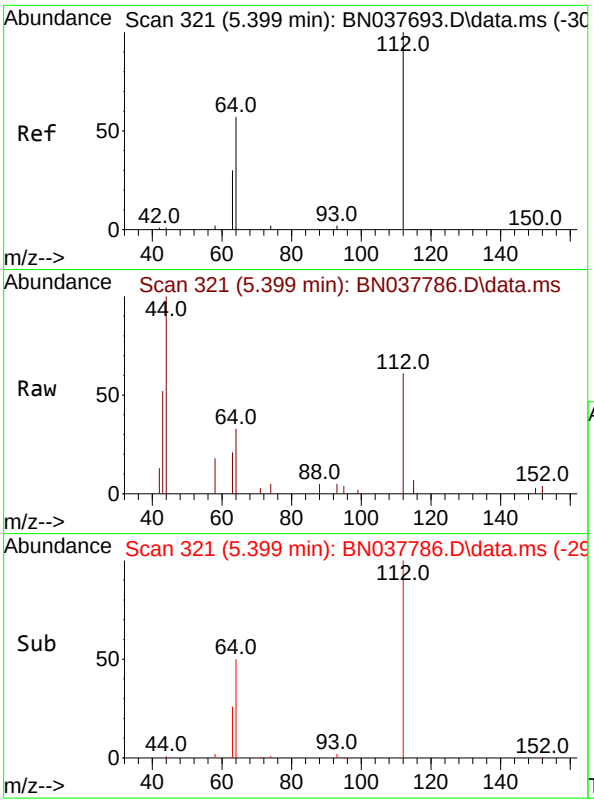


#2
1,4-Dioxane
Concen: 0.115 ng
RT: 3.304 min Scan# 31
Delta R.T. -0.000 min
Lab File: BN037786.D
Acq: 18 Sep 2025 20:38

Tgt Ion: 88 Resp: 948

Ion	Ratio	Lower	Upper
88	100		
43	68.2	26.8	40.2#
58	92.9	61.9	92.9#



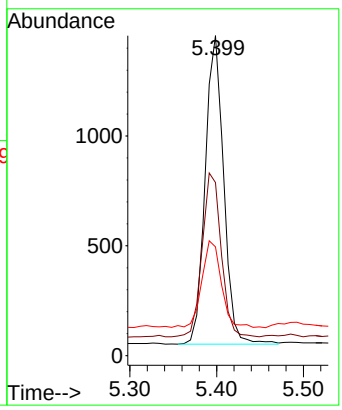


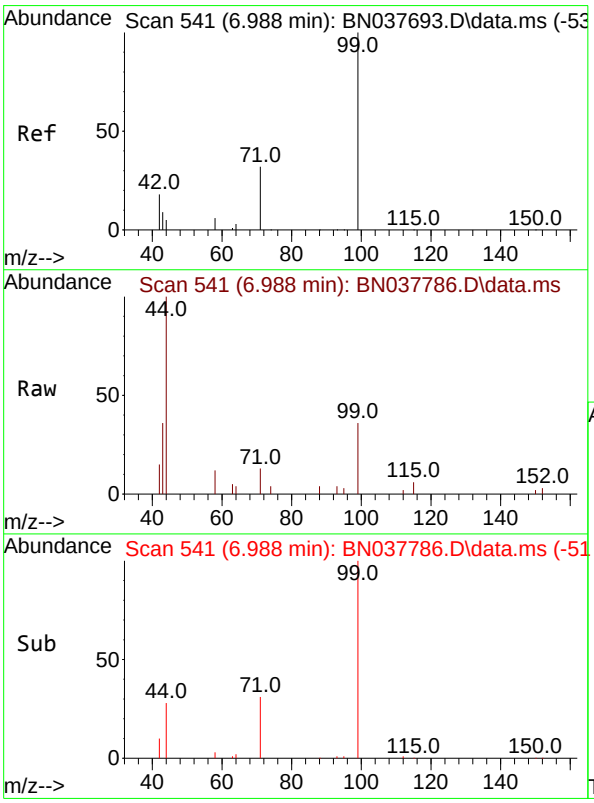
#4
2-Fluorophenol
Concen: 0.115 ng
RT: 5.399 min Scan# 3
Delta R.T. -0.000 min
Lab File: BN037786.D
Acq: 18 Sep 2025 20:38

Instrument :
BNA_N
ClientSampleId :
MW178I-20250910

Tgt Ion:112 Resp: 2081

Ion	Ratio	Lower	Upper
112	100		
64	54.4	44.9	67.3
63	29.7	24.7	37.1

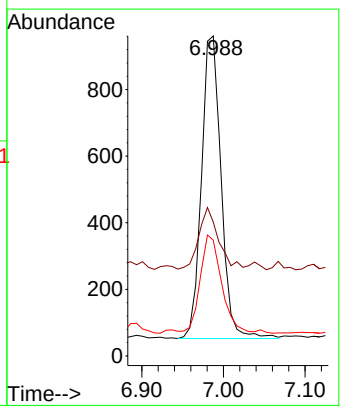


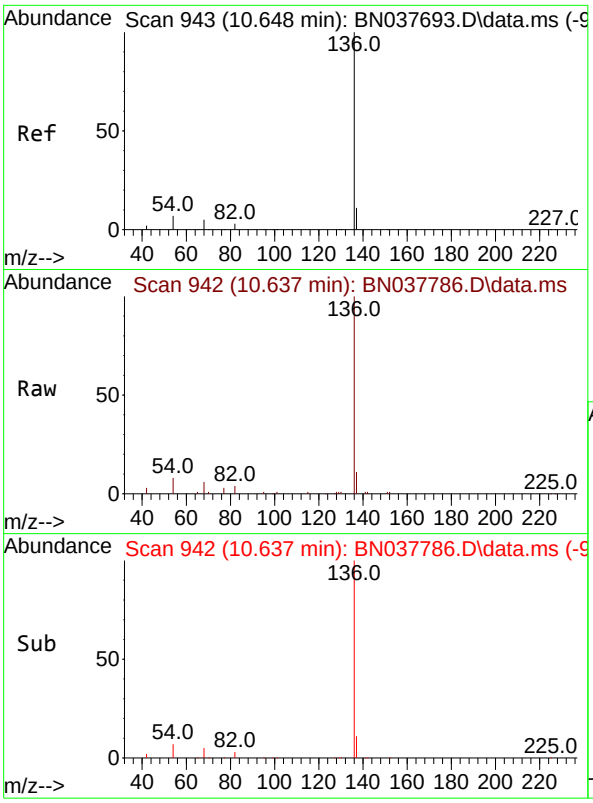


#5
Phenol-d6
Concen: 0.065 ng
RT: 6.988 min Scan# 541
Delta R.T. -0.000 min
Lab File: BN037786.D
Acq: 18 Sep 2025 20:38

Tgt Ion: 99 Resp: 1525

Ion	Ratio	Lower	Upper
99	100		
42	20.5	16.6	24.8
71	36.1	26.7	40.1



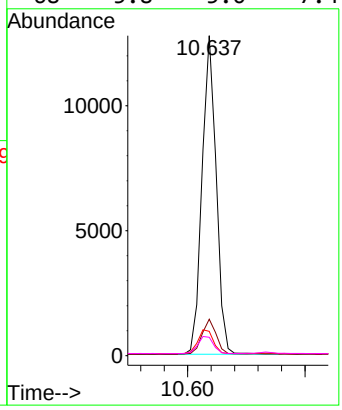


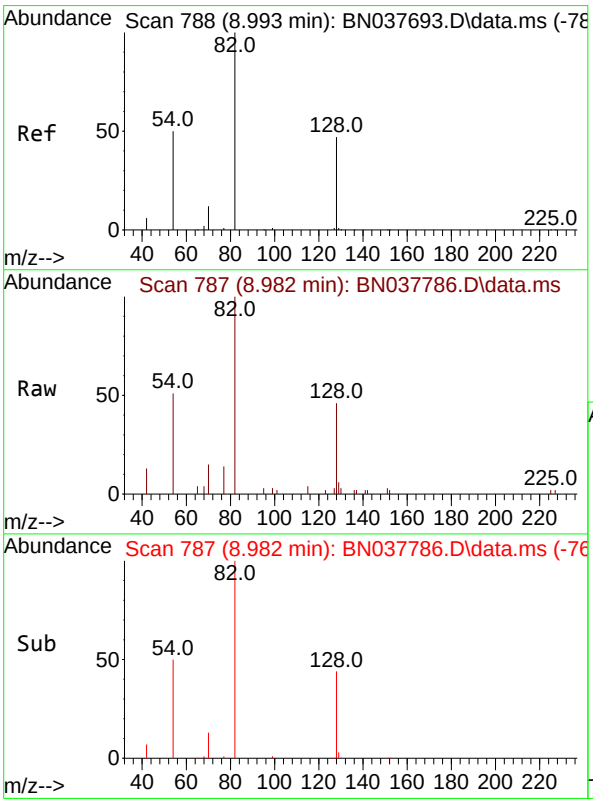
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.637 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037786.D
Acq: 18 Sep 2025 20:38

Instrument :
BNA_N
ClientSampleId :
MW178I-20250910

Tgt Ion:136 Resp: 21432

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	7.6	6.3	9.5
68	5.8	5.0	7.4

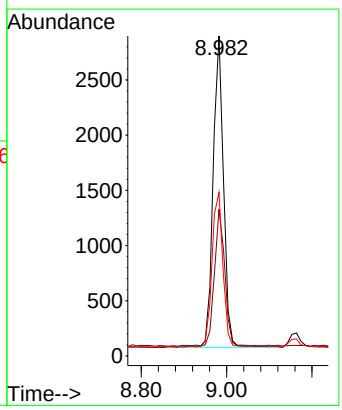


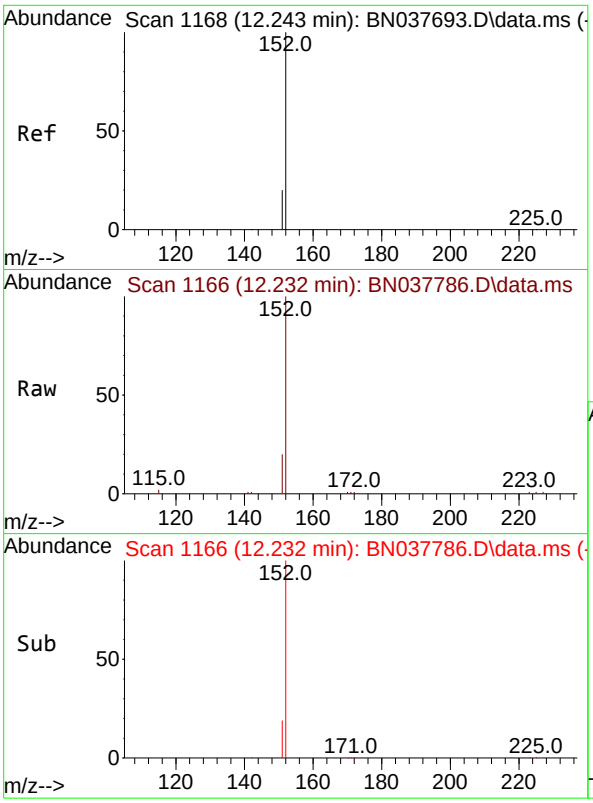


#8
Nitrobenzene-d5
Concen: 0.305 ng
RT: 8.982 min Scan# 787
Delta R.T. -0.011 min
Lab File: BN037786.D
Acq: 18 Sep 2025 20:38

Tgt Ion: 82 Resp: 4783

Ion	Ratio	Lower	Upper
82	100		
128	45.8	38.3	57.5
54	51.1	41.4	62.2



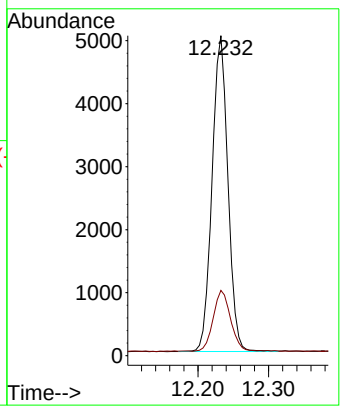


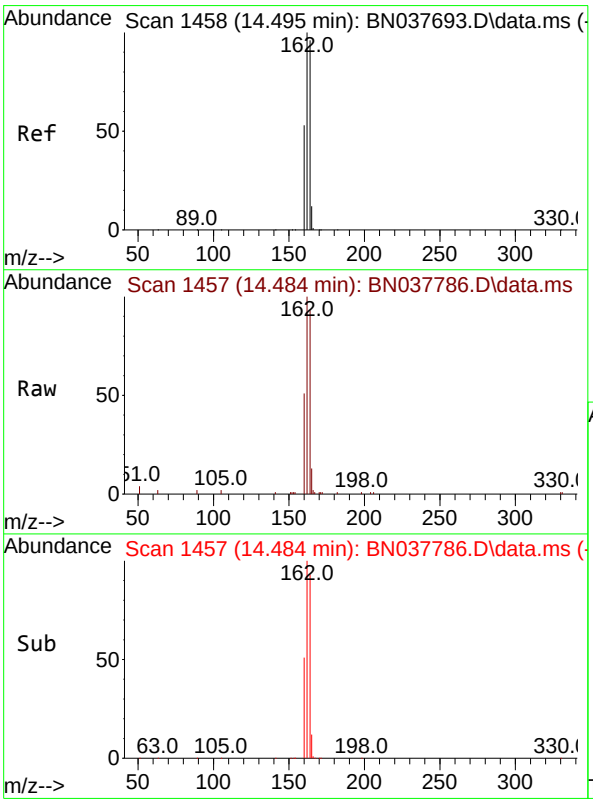
#11
2-Methylnaphthalene-d10
Concen: 0.275 ng
RT: 12.232 min Scan# 11
Delta R.T. -0.010 min
Lab File: BN037786.D
Acq: 18 Sep 2025 20:38

Instrument :
BNA_N
ClientSampleId :
MW178I-20250910

Tgt Ion:152 Resp: 7810

Ion	Ratio	Lower	Upper
152	100		
151	21.1	17.0	25.6

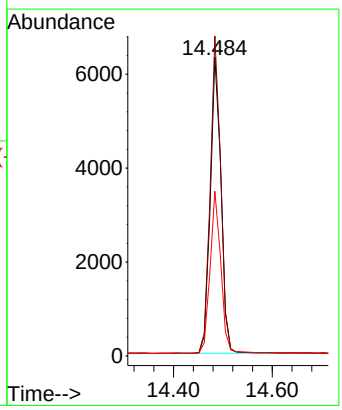


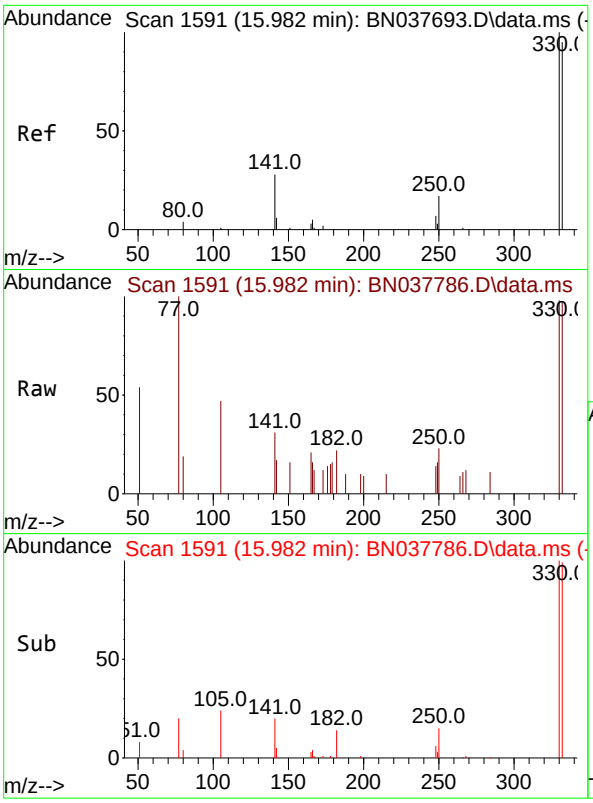


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.484 min Scan# 1457
Delta R.T. -0.011 min
Lab File: BN037786.D
Acq: 18 Sep 2025 20:38

Tgt Ion:164 Resp: 9551

Ion	Ratio	Lower	Upper
164	100		
162	107.1	83.1	124.7
160	55.1	44.3	66.5



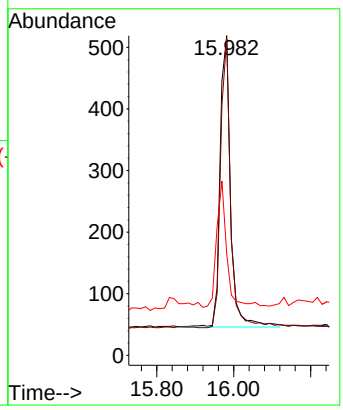


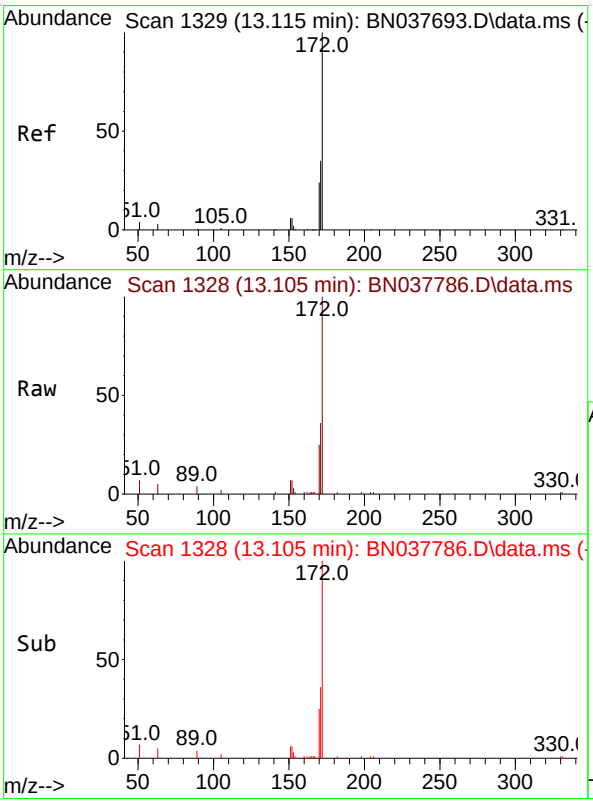
#14
2,4,6-Tribromophenol
Concen: 0.360 ng
RT: 15.982 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037786.D
Acq: 18 Sep 2025 20:38

Instrument :
BNA_N
ClientSampleId :
MW178I-20250910

Tgt Ion:330 Resp: 898

Ion	Ratio	Lower	Upper
330	100		
332	94.7	75.3	112.9
141	42.0	35.0	52.4

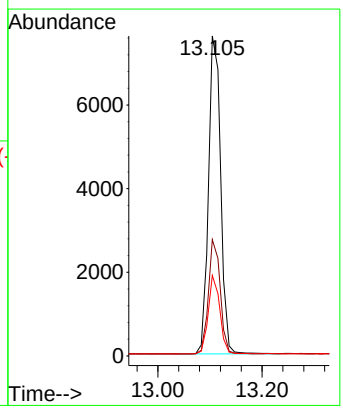


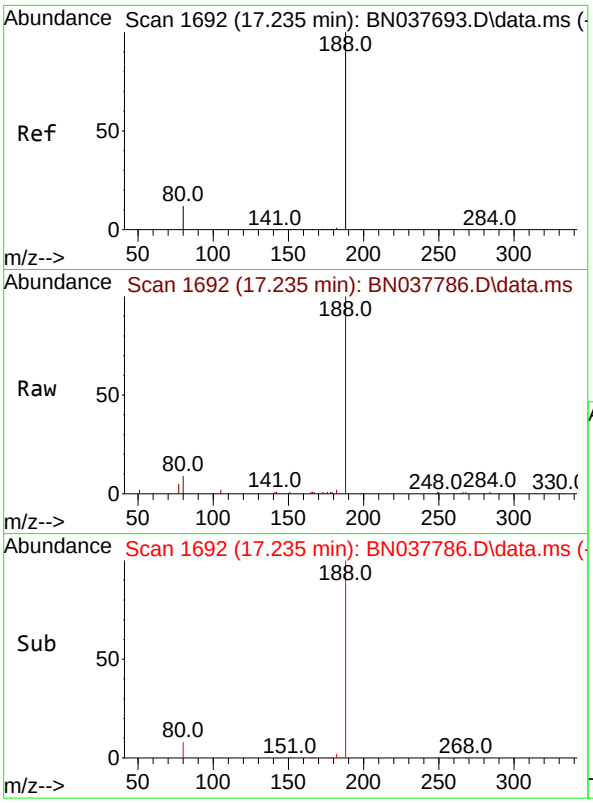


#15
2-Fluorobiphenyl
Concen: 0.307 ng
RT: 13.105 min Scan# 1328
Delta R.T. -0.011 min
Lab File: BN037786.D
Acq: 18 Sep 2025 20:38

Tgt Ion:172 Resp: 12279

Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.6	43.0
170	25.1	19.8	29.8



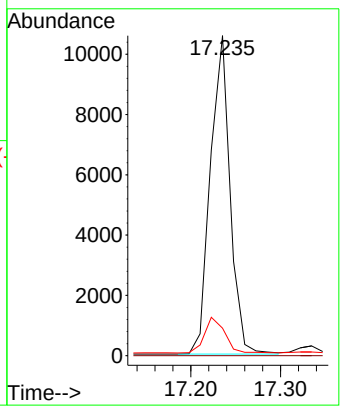


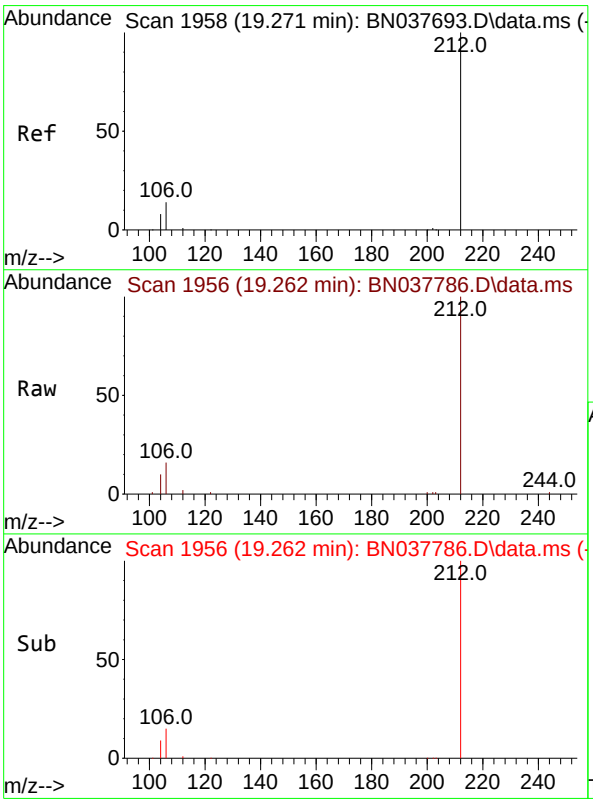
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.235 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037786.D
Acq: 18 Sep 2025 20:38

Instrument :
BNA_N
ClientSampleId :
MW178I-20250910

Tgt Ion:188 Resp: 16120

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.6	10.6	15.8#

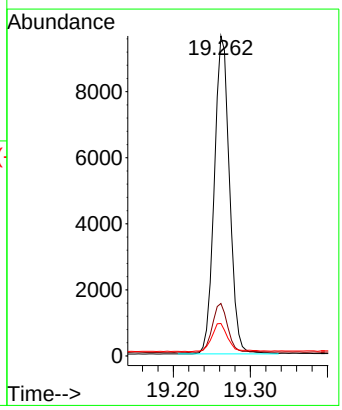


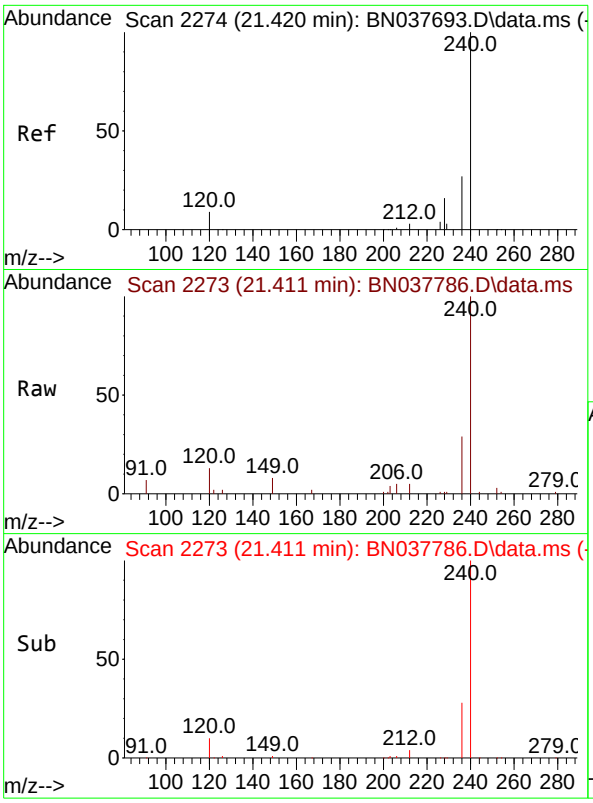


#27
Fluoranthene-d10
Concen: 0.326 ng
RT: 19.262 min Scan# 1956
Delta R.T. -0.010 min
Lab File: BN037786.D
Acq: 18 Sep 2025 20:38

Tgt Ion:212 Resp: 13193

Ion	Ratio	Lower	Upper
212	100		
106	15.9	12.2	18.2
104	9.1	6.9	10.3



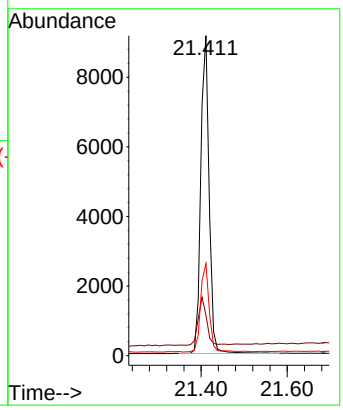


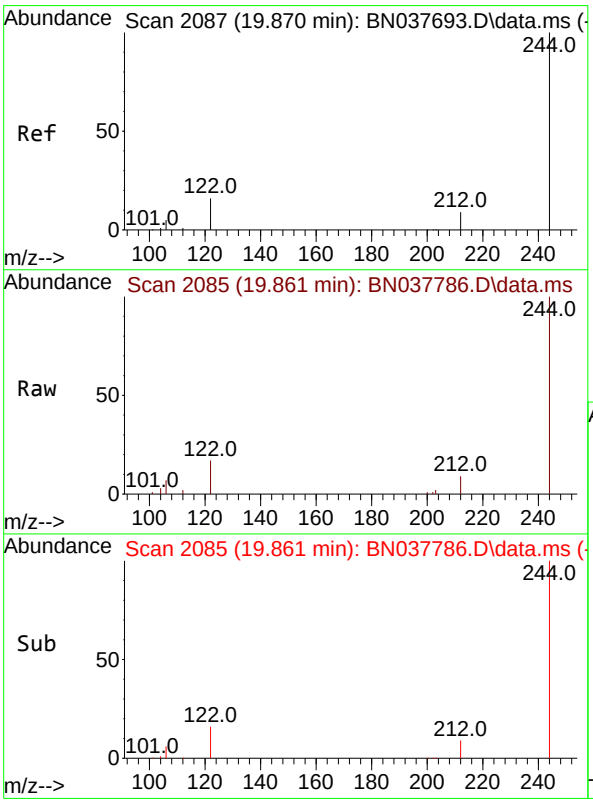
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.411 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037786.D
Acq: 18 Sep 2025 20:38

Instrument :
BNA_N
ClientSampleId :
MW178I-20250910

Tgt Ion:240 Resp: 12351

Ion	Ratio	Lower	Upper
240	100		
120	12.7	9.2	13.8
236	28.8	22.6	33.8

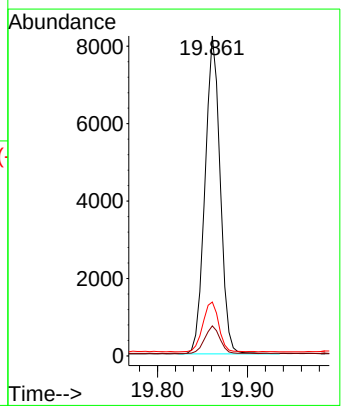


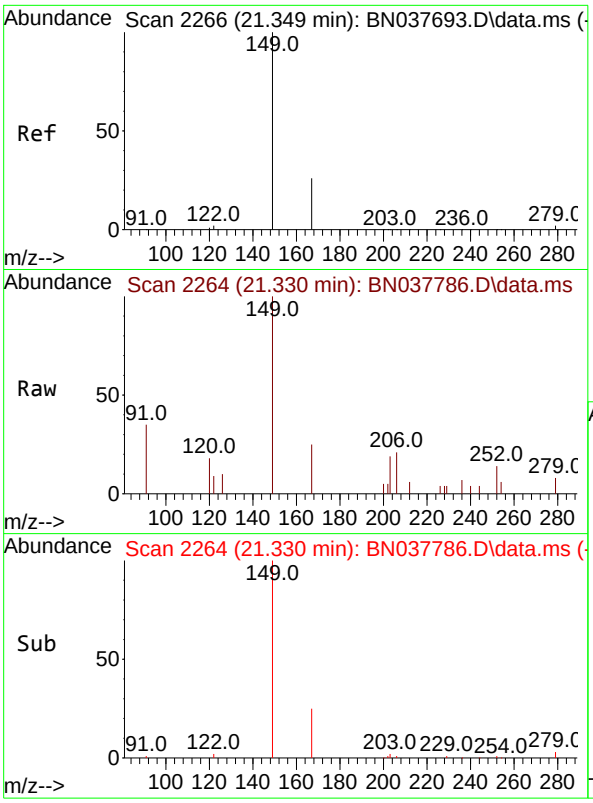


#31
Terphenyl-d14
Concen: 0.386 ng
RT: 19.861 min Scan# 2085
Delta R.T. -0.010 min
Lab File: BN037786.D
Acq: 18 Sep 2025 20:38

Tgt Ion:244 Resp: 9674

Ion	Ratio	Lower	Upper
244	100		
212	9.4	7.5	11.3
122	16.8	13.2	19.8



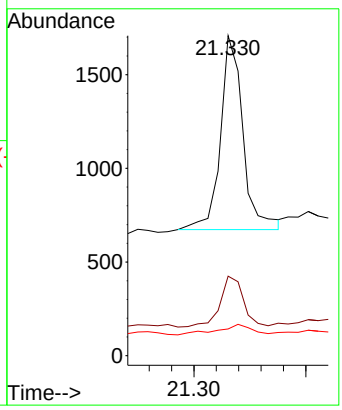


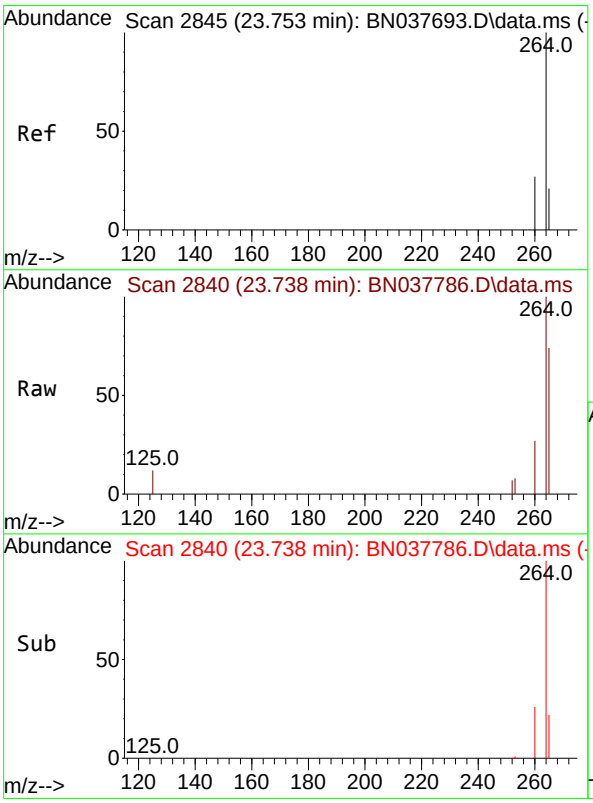
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.113 ng
RT: 21.330 min Scan# 2
Delta R.T. -0.018 min
Lab File: BN037786.D
Acq: 18 Sep 2025 20:38

Instrument :
BNA_N
ClientSampleId :
MW178I-20250910

Tgt Ion:149 Resp: 1447

Ion	Ratio	Lower	Upper
149	100		
167	27.2	20.8	31.2
279	8.2	3.3	4.9#

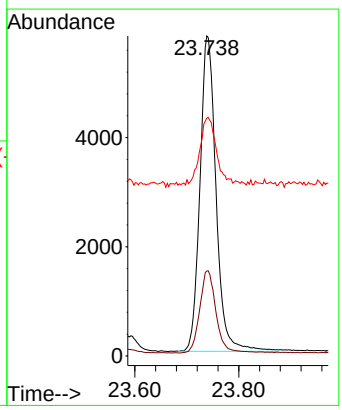




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.738 min Scan# 2840
Delta R.T. -0.015 min
Lab File: BN037786.D
Acq: 18 Sep 2025 20:38

Tgt Ion:264 Resp: 12408

Ion	Ratio	Lower	Upper
264	100		
260	26.5	21.8	32.8
265	74.3	39.4	59.2#



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:	09/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	DUP02-20250910	SDG No.:	Q3095
Lab Sample ID:	Q3095-25	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	970 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
BN037787.D	1	09/15/25 12:00	09/18/25 21:14	PB169693

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	3.40		0.070	0.21	0.21	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.30		30 - 150		75%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.34		30 - 150		84%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.33		55 - 111		83%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.33		53 - 106		83%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.43		58 - 132		108%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	8070	7.833				
1146-65-2	Naphthalene-d8	22000	10.637				
15067-26-2	Acenaphthene-d10	10100	14.484				
1517-22-2	Phenanthrene-d10	17200	17.235				
1719-03-5	Chrysene-d12	12300	21.411				
1520-96-3	Perylene-d12	12000	23.738				

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\BN091825\
Data File : BN037787.D
Acq On : 18 Sep 2025 21:14
Operator : RC/JU
Sample : Q3095-25
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DUP02-20250910

Quant Time: Sep 19 04:11:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

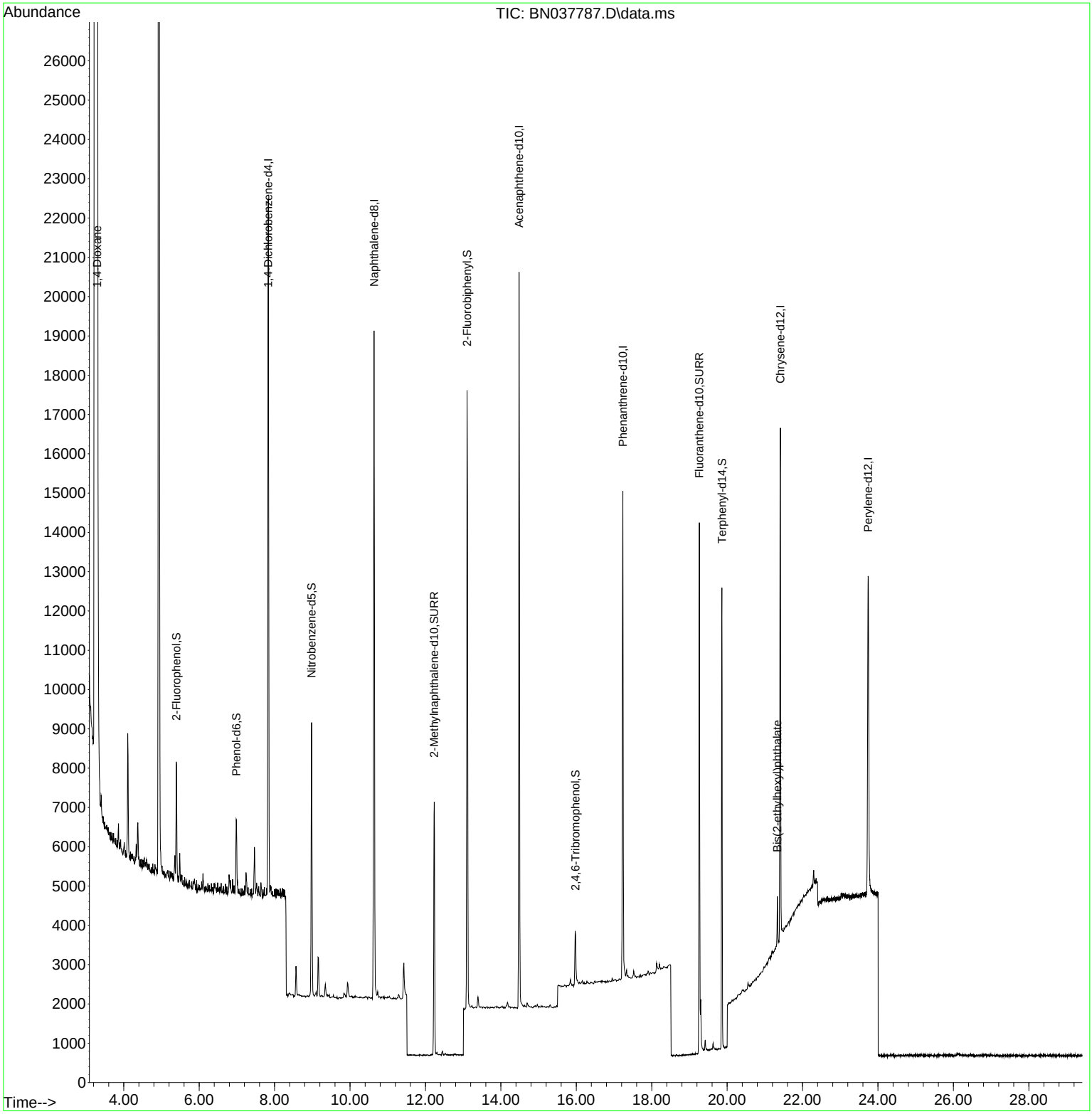
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.833	152	8067	0.400	ng	0.00
7) Naphthalene-d8	10.637	136	22034	0.400	ng	-0.01
13) Acenaphthene-d10	14.484	164	10108	0.400	ng	-0.01
19) Phenanthrene-d10	17.235	188	17248	0.400	ng	# 0.00
29) Chrysene-d12	21.411	240	12319	0.400	ng	0.00
35) Perylene-d12	23.738	264	12006	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.399	112	2470	0.133	ng	0.00
5) Phenol-d6	6.988	99	1800	0.075	ng	0.00
8) Nitrobenzene-d5	8.982	82	5355	0.332	ng	-0.01
11) 2-Methylnaphthalene-d10	12.232	152	8807	0.302	ng	-0.01
14) 2,4,6-Tribromophenol	15.982	330	970	0.368	ng	0.00
15) 2-Fluorobiphenyl	13.105	172	14047	0.332	ng	-0.01
27) Fluoranthene-d10	19.262	212	14644	0.338	ng	0.00
31) Terphenyl-d14	19.861	244	10800	0.432	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.297	88	27660	3.292	ng	95
34) Bis(2-ethylhexyl)phtha...	21.331	149	1286	0.101	ng	97

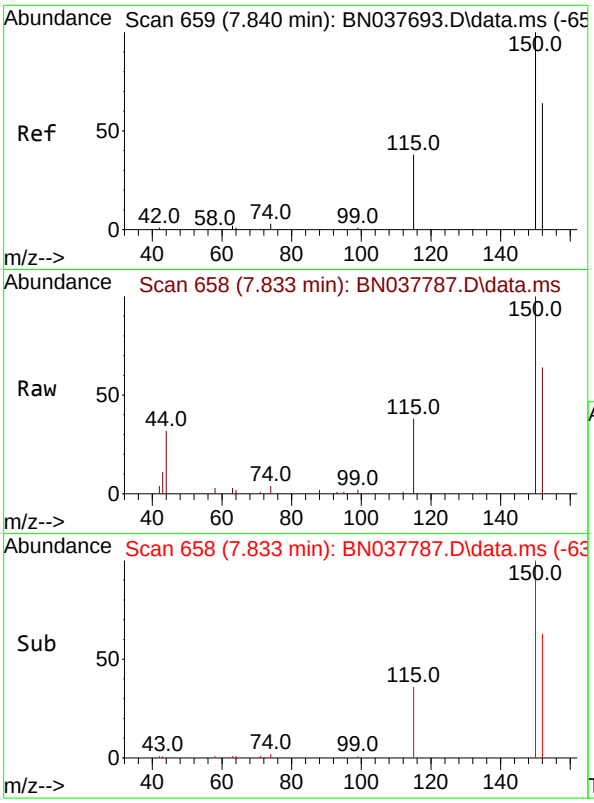
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091825\
Data File : BN037787.D
Acq On : 18 Sep 2025 21:14
Operator : RC/JU
Sample : Q3095-25
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DUP02-20250910

Quant Time: Sep 19 04:11:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration



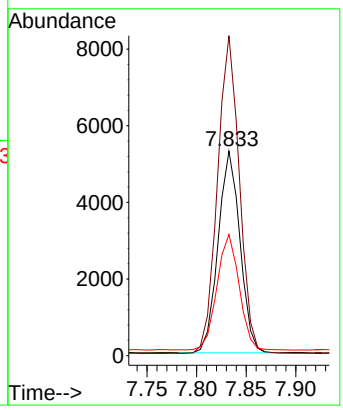


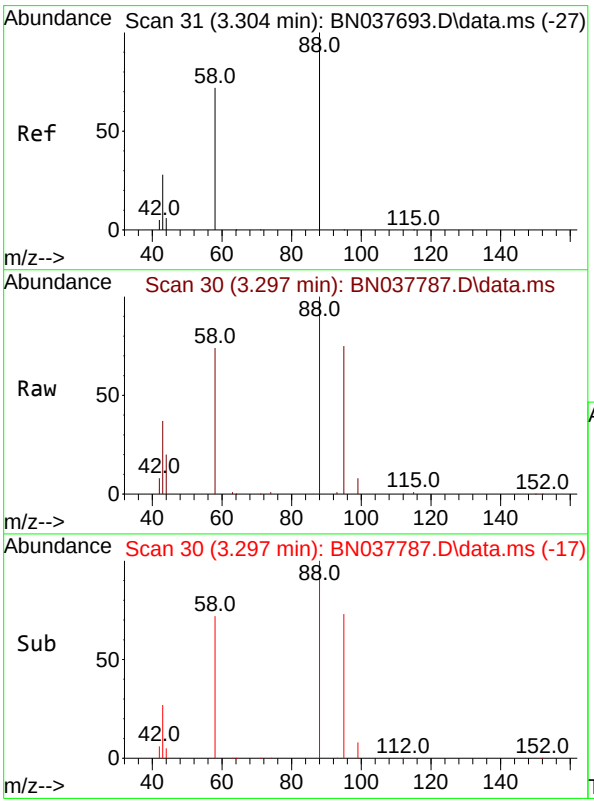
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.833 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN037787.D
Acq: 18 Sep 2025 21:14

Instrument :
BNA_N
ClientSampleId :
DUP02-20250910

Tgt Ion:152 Resp: 8067

Ion	Ratio	Lower	Upper
152	100		
150	156.5	124.5	186.7
115	59.3	49.2	73.8

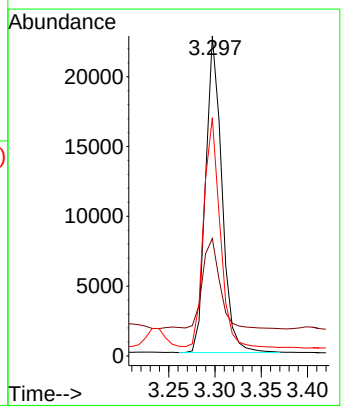


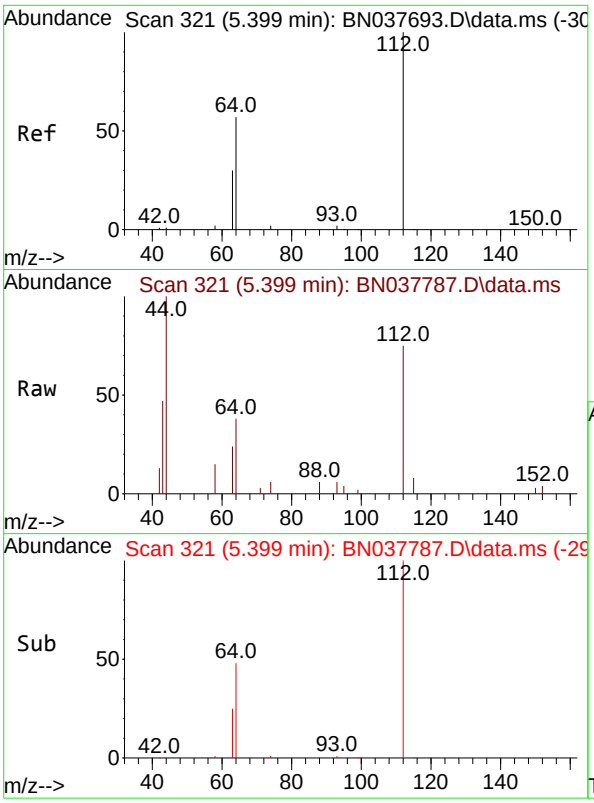


#2
1,4-Dioxane
Concen: 3.292 ng
RT: 3.297 min Scan# 30
Delta R.T. -0.007 min
Lab File: BN037787.D
Acq: 18 Sep 2025 21:14

Tgt Ion: 88 Resp: 27660

Ion	Ratio	Lower	Upper
88	100		
43	30.8	26.8	40.2
58	72.9	61.9	92.9



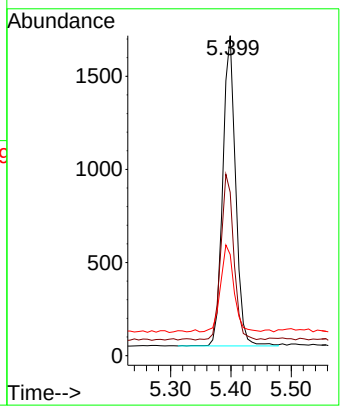


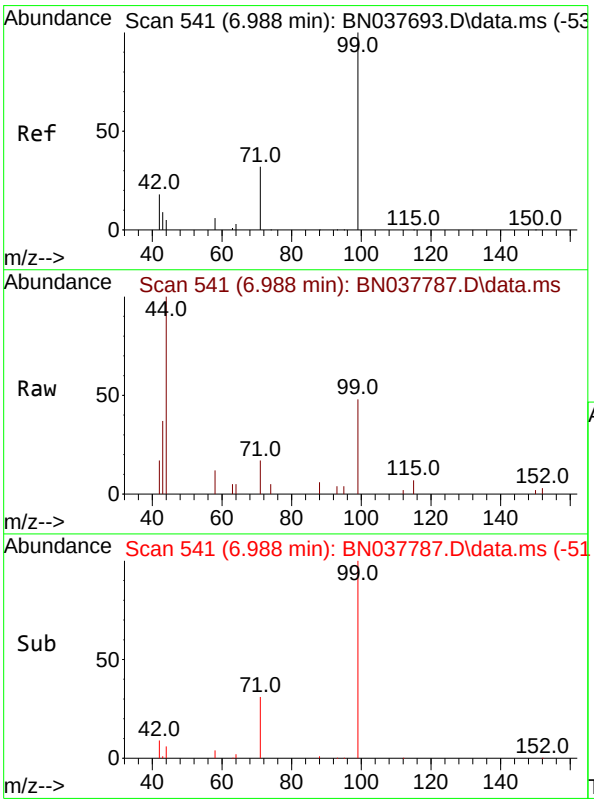
#4
2-Fluorophenol
Concen: 0.133 ng
RT: 5.399 min Scan# 3
Delta R.T. -0.000 min
Lab File: BN037787.D
Acq: 18 Sep 2025 21:14

Instrument :
BNA_N
ClientSampleId :
DUP02-20250910

Tgt Ion:112 Resp: 2470

Ion	Ratio	Lower	Upper
112	100		
64	53.9	44.9	67.3
63	29.0	24.7	37.1

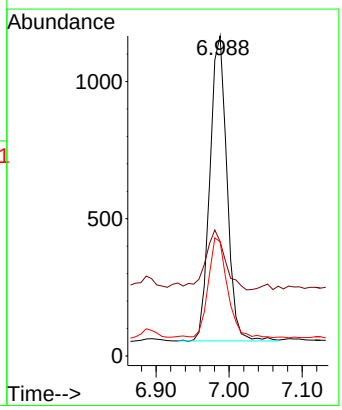


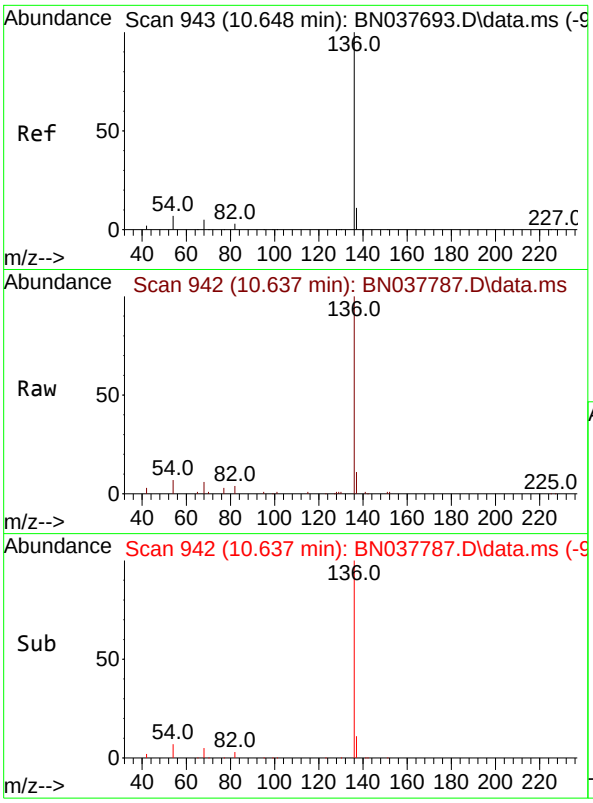


#5
Phenol-d6
Concen: 0.075 ng
RT: 6.988 min Scan# 541
Delta R.T. -0.000 min
Lab File: BN037787.D
Acq: 18 Sep 2025 21:14

Tgt Ion: 99 Resp: 1800

Ion	Ratio	Lower	Upper
99	100		
42	22.3	16.6	24.8
71	37.0	26.7	40.1



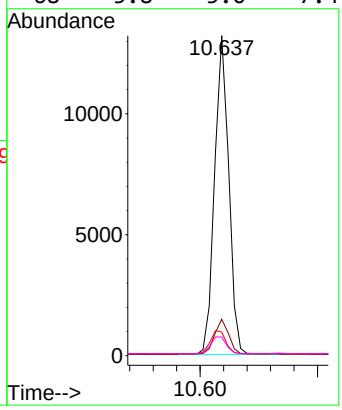


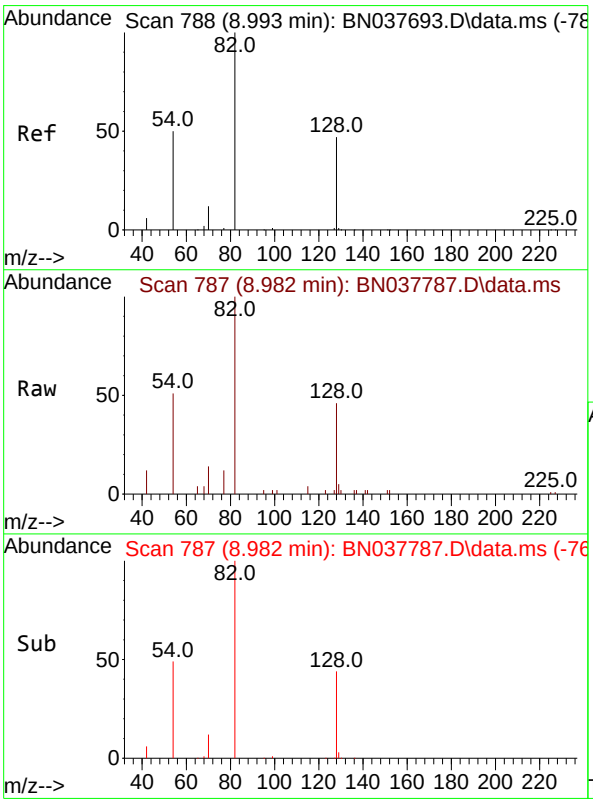
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.637 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037787.D
Acq: 18 Sep 2025 21:14

Instrument :
BNA_N
ClientSampleId :
DUP02-20250910

Tgt Ion:136 Resp: 22034

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	7.4	6.3	9.5
68	5.8	5.0	7.4

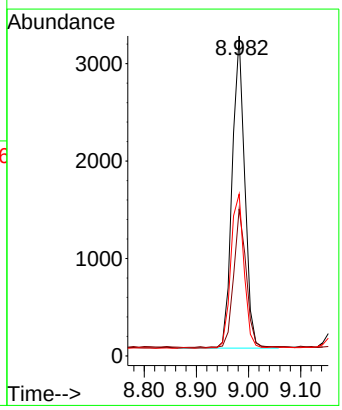


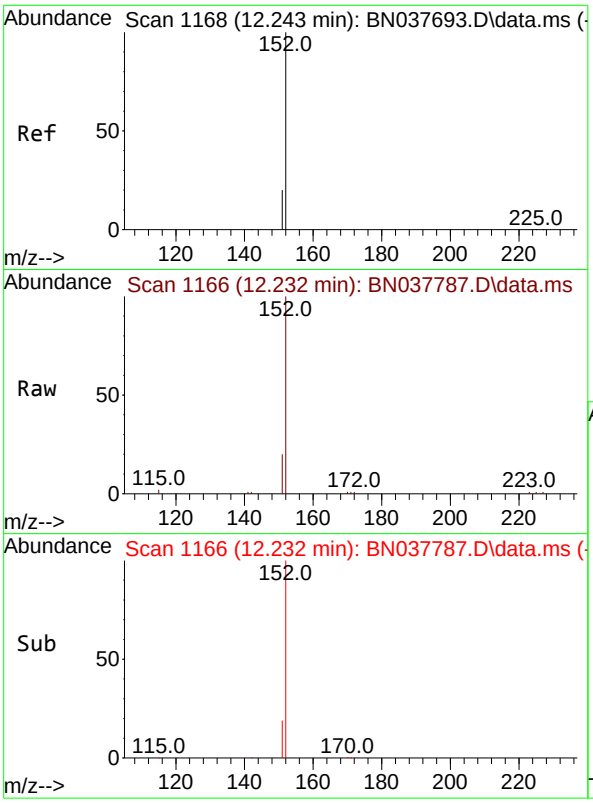


#8
Nitrobenzene-d5
Concen: 0.332 ng
RT: 8.982 min Scan# 787
Delta R.T. -0.011 min
Lab File: BN037787.D
Acq: 18 Sep 2025 21:14

Tgt Ion: 82 Resp: 5355

Ion	Ratio	Lower	Upper
82	100		
128	45.9	38.3	57.5
54	50.6	41.4	62.2



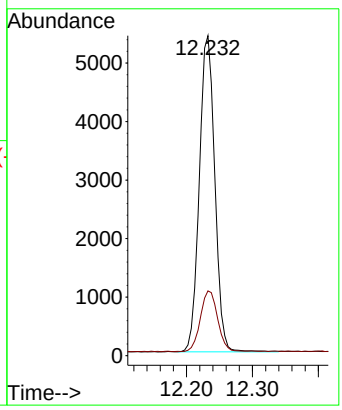


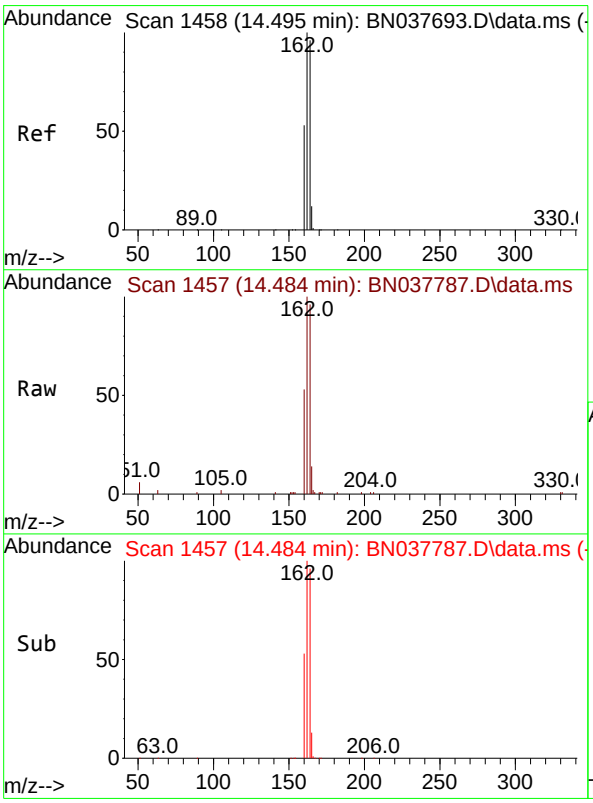
#11
2-Methylnaphthalene-d10
Concen: 0.302 ng
RT: 12.232 min Scan# 11
Delta R.T. -0.010 min
Lab File: BN037787.D
Acq: 18 Sep 2025 21:14

Instrument :
BNA_N
ClientSampleId :
DUP02-20250910

Tgt Ion:152 Resp: 8807

Ion	Ratio	Lower	Upper
152	100		
151	21.3	17.0	25.6

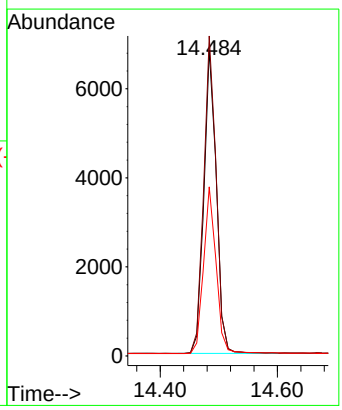


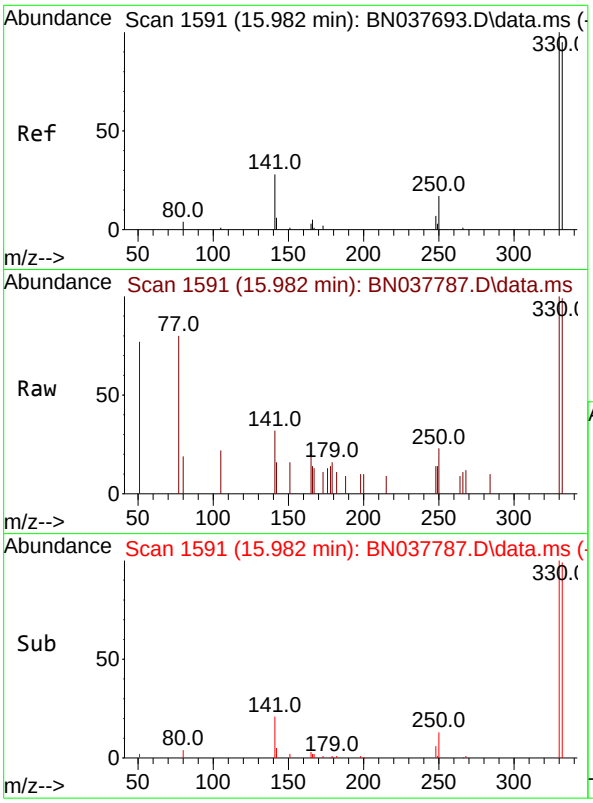


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.484 min Scan# 1457
Delta R.T. -0.011 min
Lab File: BN037787.D
Acq: 18 Sep 2025 21:14

Tgt Ion:164 Resp: 10108

Ion	Ratio	Lower	Upper
164	100		
162	104.5	83.1	124.7
160	55.2	44.3	66.5



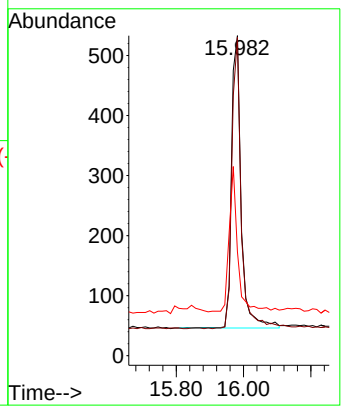


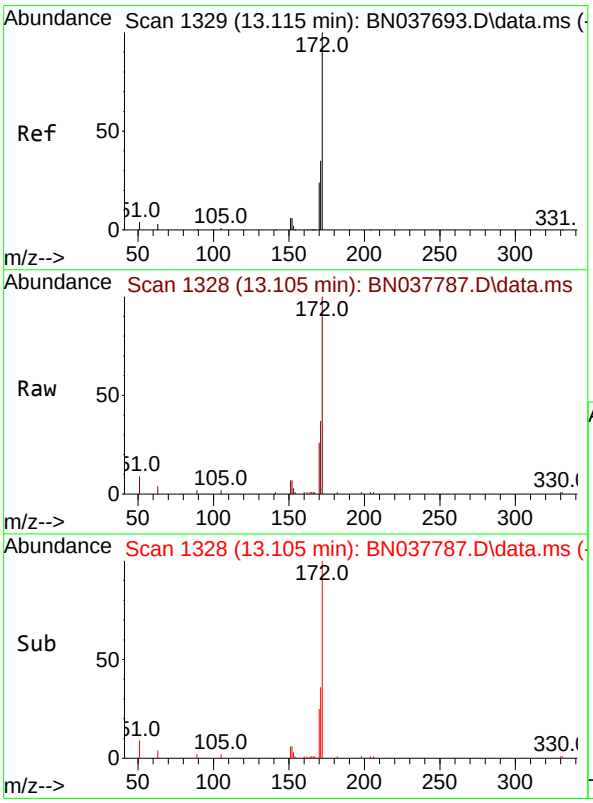
#14
2,4,6-Tribromophenol
Concen: 0.368 ng
RT: 15.982 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037787.D
Acq: 18 Sep 2025 21:14

Instrument :
BNA_N
ClientSampleId :
DUP02-20250910

Tgt Ion:330 Resp: 970

Ion	Ratio	Lower	Upper
330	100		
332	95.9	75.3	112.9
141	43.1	35.0	52.4

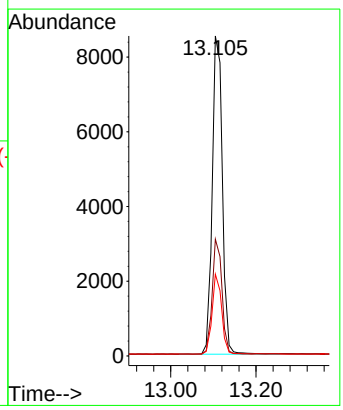


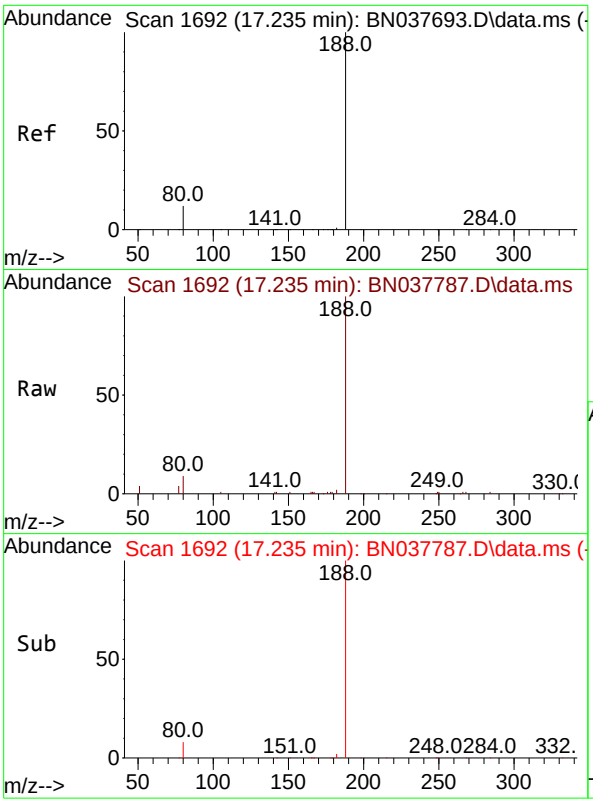


#15
2-Fluorobiphenyl
Concen: 0.332 ng
RT: 13.105 min Scan# 1328
Delta R.T. -0.011 min
Lab File: BN037787.D
Acq: 18 Sep 2025 21:14

Tgt Ion:172 Resp: 14047

Ion	Ratio	Lower	Upper
172	100		
171	36.5	28.6	43.0
170	25.6	19.8	29.8



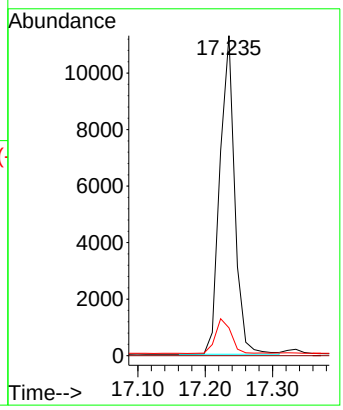


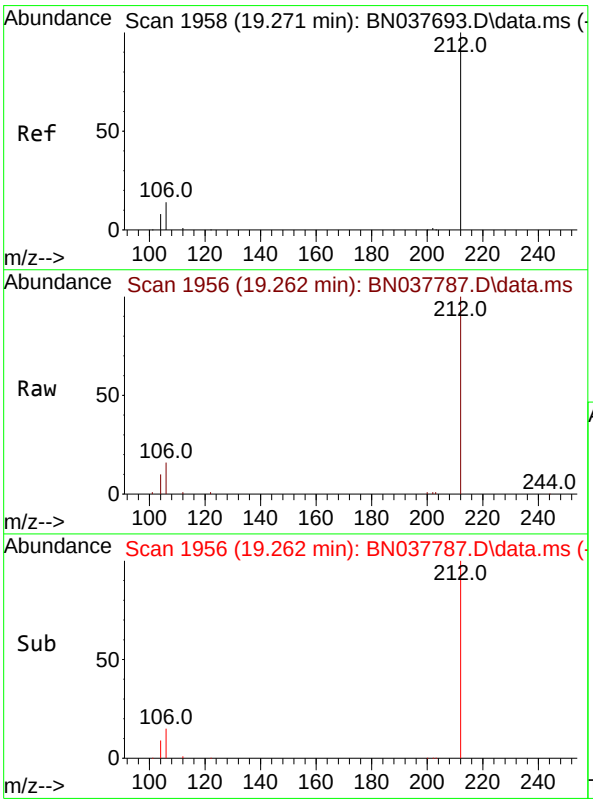
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.235 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037787.D
Acq: 18 Sep 2025 21:14

Instrument :
BNA_N
ClientSampleId :
DUP02-20250910

Tgt Ion:188 Resp: 17248

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.7	10.6	15.8#

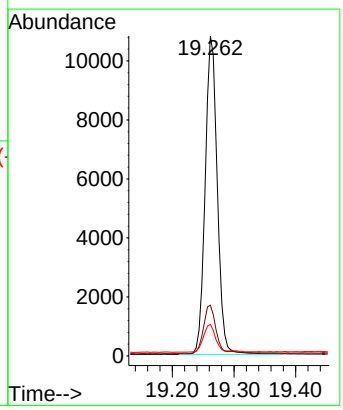


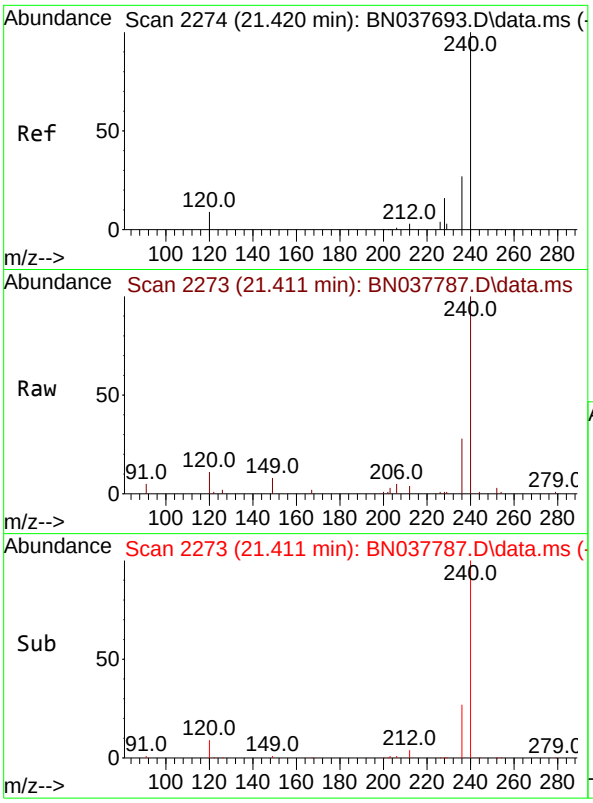


#27
Fluoranthene-d10
Concen: 0.338 ng
RT: 19.262 min Scan# 1956
Delta R.T. -0.009 min
Lab File: BN037787.D
Acq: 18 Sep 2025 21:14

Tgt Ion:212 Resp: 14644

Ion	Ratio	Lower	Upper
212	100		
106	15.9	12.2	18.2
104	9.1	6.9	10.3



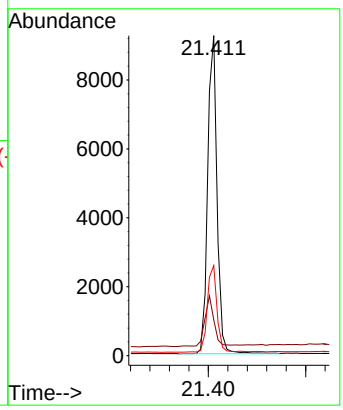


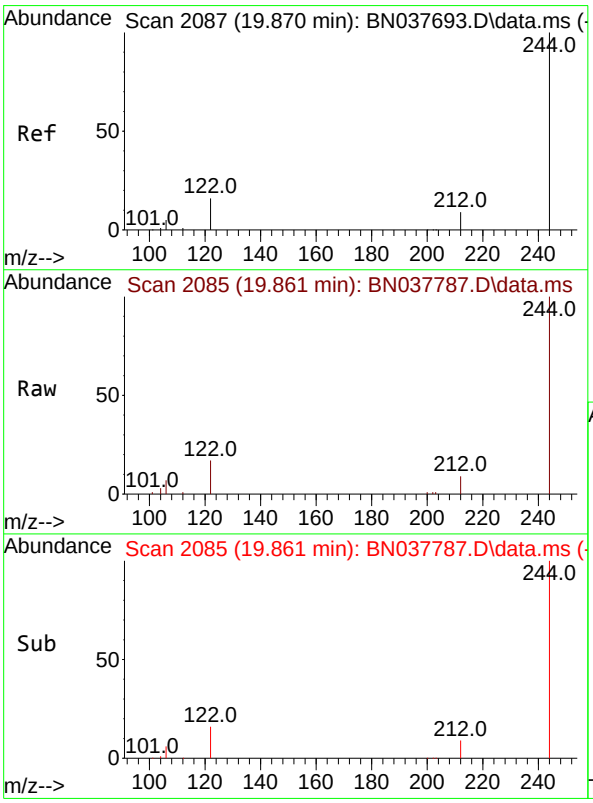
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.411 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN037787.D
Acq: 18 Sep 2025 21:14

Instrument :
BNA_N
ClientSampleId :
DUP02-20250910

Tgt Ion:240 Resp: 12319

Ion	Ratio	Lower	Upper
240	100		
120	11.2	9.2	13.8
236	28.1	22.6	33.8

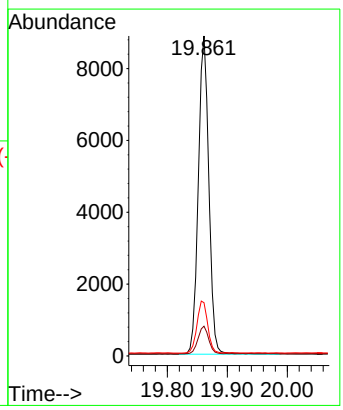


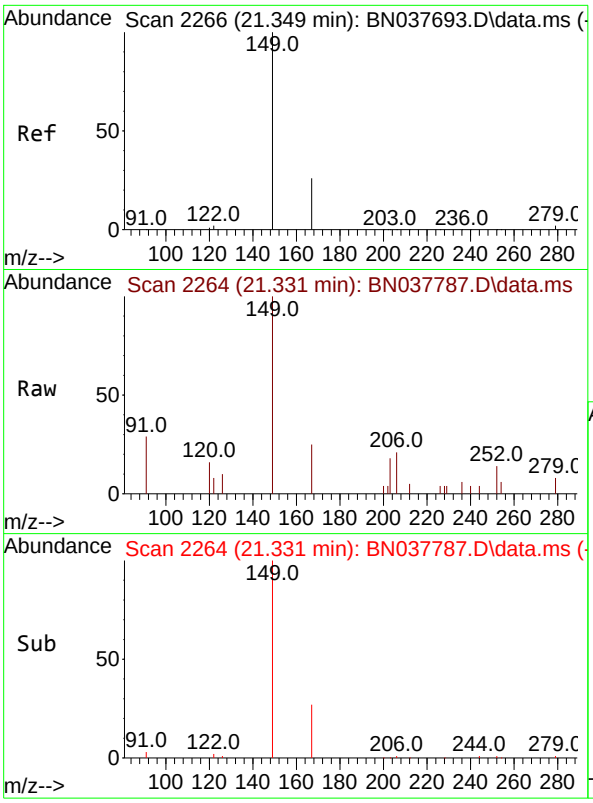


#31
Terphenyl-d14
Concen: 0.432 ng
RT: 19.861 min Scan# 2085
Delta R.T. -0.009 min
Lab File: BN037787.D
Acq: 18 Sep 2025 21:14

Tgt Ion:244 Resp: 10800

Ion	Ratio	Lower	Upper
244	100		
212	9.3	7.5	11.3
122	16.7	13.2	19.8



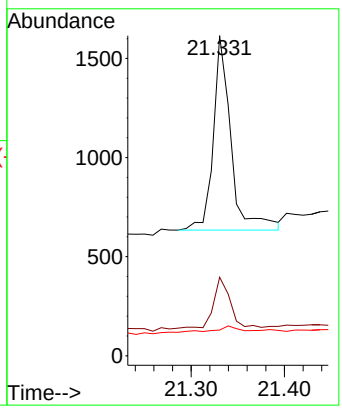


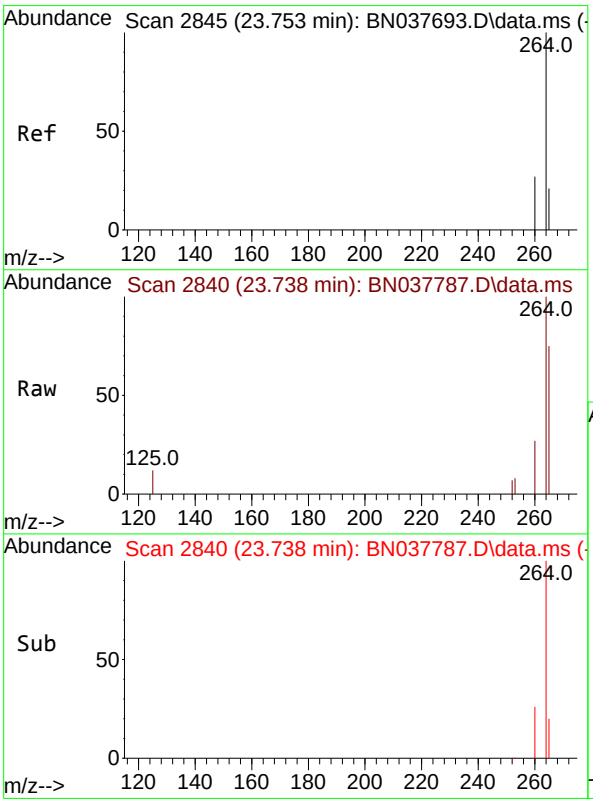
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.101 ng
RT: 21.331 min Scan# 2
Delta R.T. -0.018 min
Lab File: BN037787.D
Acq: 18 Sep 2025 21:14

Instrument :
BNA_N
ClientSampleId :
DUP02-20250910

Tgt Ion:149 Resp: 1286

Ion	Ratio	Lower	Upper
149	100		
167	24.3	20.8	31.2
279	4.5	3.3	4.9

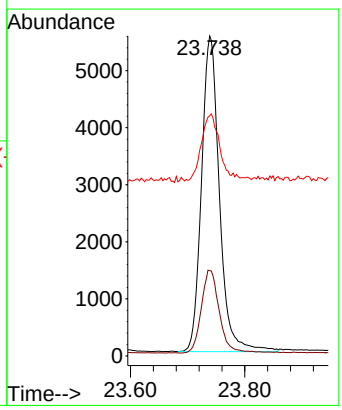




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.738 min Scan# 2840
Delta R.T. -0.015 min
Lab File: BN037787.D
Acq: 18 Sep 2025 21:14

Tgt Ion:264 Resp: 12006

Ion	Ratio	Lower	Upper
264	100		
260	26.6	21.8	32.8
265	75.1	39.4	59.2#



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:	09/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	DUP03-20250910	SDG No.:	Q3095
Lab Sample ID:	Q3095-26	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
BN037788.D	1	09/15/25 12:00	09/18/25 21:51	PB169693

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.11	J	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.32		30 - 150		80%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.35		30 - 150		88%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.35		55 - 111		88%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.37		53 - 106		92%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.39		58 - 132		96%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7670	7.833				
1146-65-2	Naphthalene-d8	20400	10.637				
15067-26-2	Acenaphthene-d10	8850	14.484				
1517-22-2	Phenanthrene-d10	15300	17.235				
1719-03-5	Chrysene-d12	12400	21.411				
1520-96-3	Perylene-d12	11800	23.741				

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\BN091825\
Data File : BN037788.D
Acq On : 18 Sep 2025 21:51
Operator : RC/JU
Sample : Q3095-26
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DUP03-20250910

Quant Time: Sep 19 04:11:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

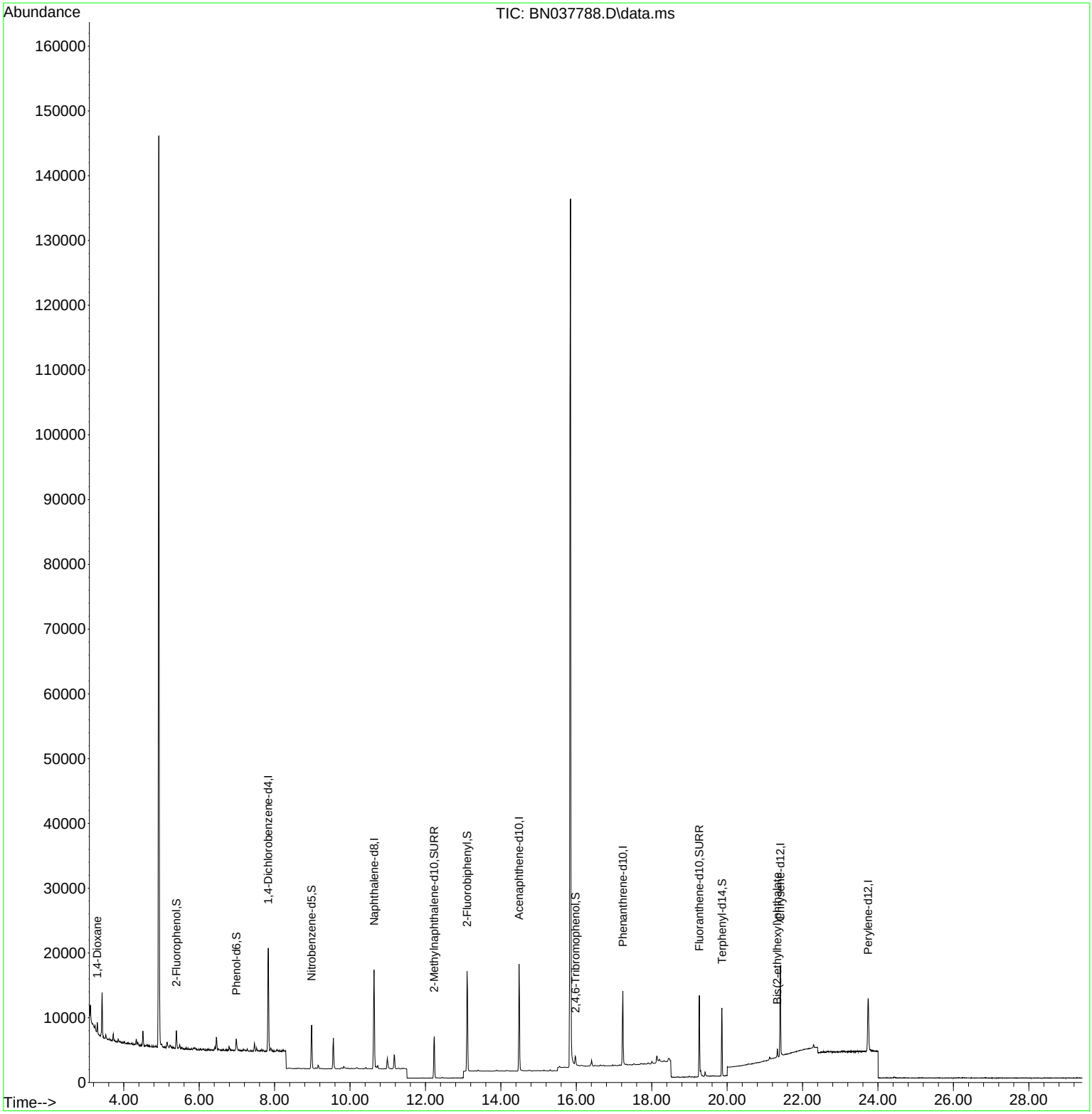
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.833	152	7666	0.400	ng	0.00
7) Naphthalene-d8	10.637	136	20364	0.400	ng	-0.01
13) Acenaphthene-d10	14.484	164	8849	0.400	ng	-0.01
19) Phenanthrene-d10	17.235	188	15319	0.400	ng	# 0.00
29) Chrysene-d12	21.411	240	12443	0.400	ng	0.00
35) Perylene-d12	23.741	264	11797	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.399	112	2255	0.128	ng	0.00
5) Phenol-d6	6.988	99	1672	0.073	ng	0.00
8) Nitrobenzene-d5	8.982	82	5250	0.352	ng	-0.01
11) 2-Methylnaphthalene-d10	12.232	152	8618	0.319	ng	-0.01
14) 2,4,6-Tribromophenol	15.982	330	891	0.386	ng	0.00
15) 2-Fluorobiphenyl	13.105	172	13638	0.368	ng	-0.01
27) Fluoranthene-d10	19.262	212	13525	0.352	ng	0.00
31) Terphenyl-d14	19.861	244	9731	0.385	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.297	88	903	0.113	ng	# 84
34) Bis(2-ethylhexyl)phtha...	21.331	149	1314	0.102	ng	93

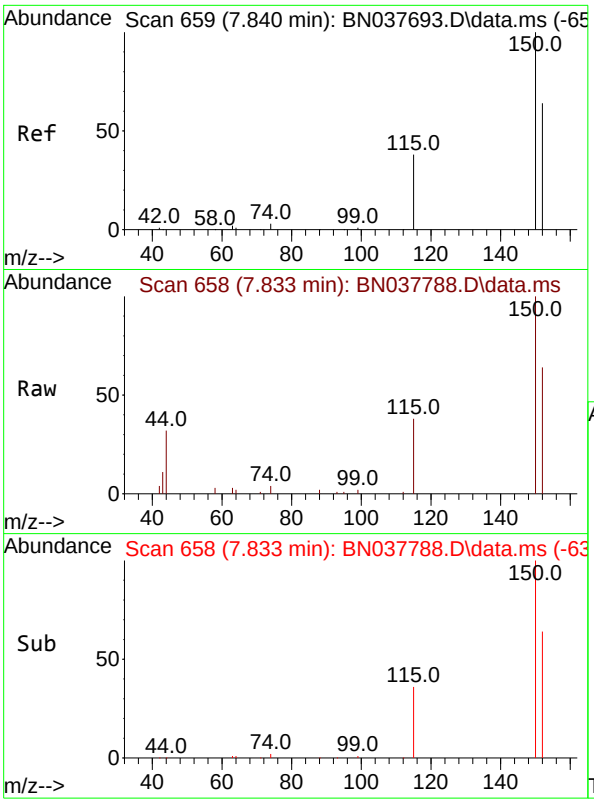
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091825\
Data File : BN037788.D
Acq On : 18 Sep 2025 21:51
Operator : RC/JU
Sample : Q3095-26
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DUP03-20250910

Quant Time: Sep 19 04:11:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration



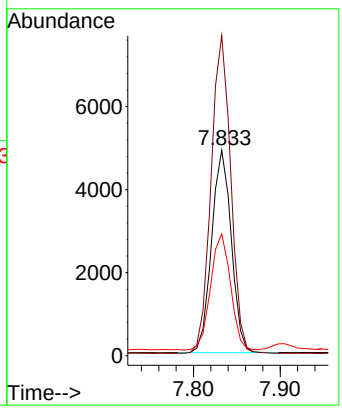


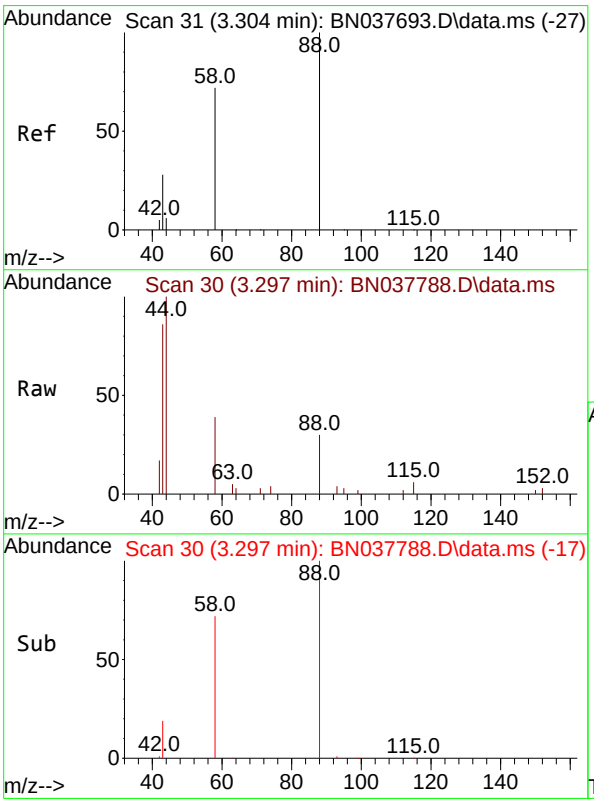
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.833 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN037788.D
Acq: 18 Sep 2025 21:51

Instrument :
BNA_N
ClientSampleId :
DUP03-20250910

Tgt Ion:152 Resp: 7666

Ion	Ratio	Lower	Upper
152	100		
150	155.6	124.5	186.7
115	59.2	49.2	73.8

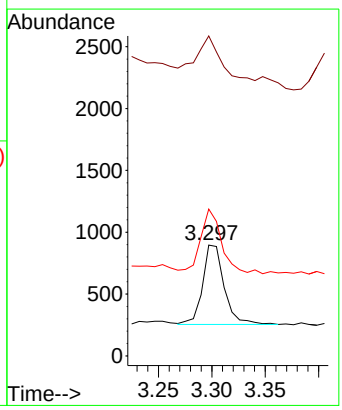


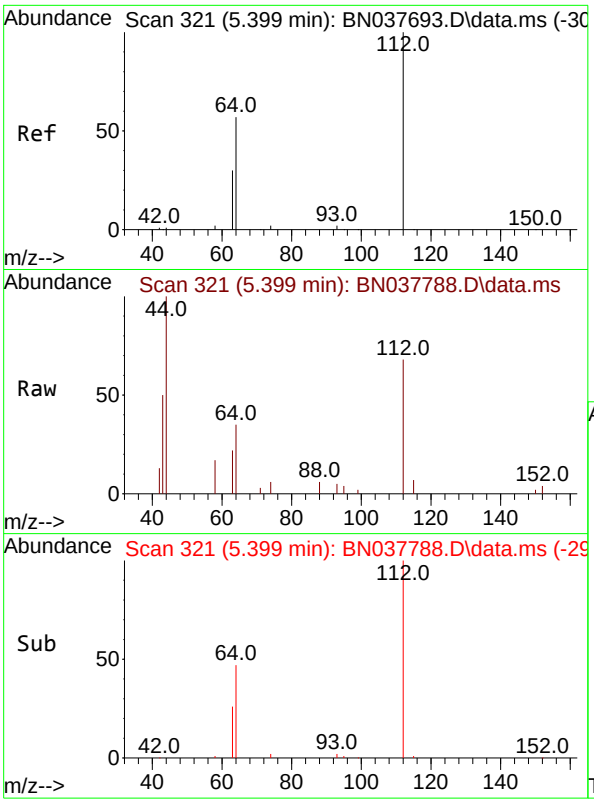


#2
1,4-Dioxane
Concen: 0.113 ng
RT: 3.297 min Scan# 30
Delta R.T. -0.007 min
Lab File: BN037788.D
Acq: 18 Sep 2025 21:51

Tgt Ion: 88 Resp: 903

Ion	Ratio	Lower	Upper
88	100		
43	63.6	26.8	40.2#
58	77.2	61.9	92.9



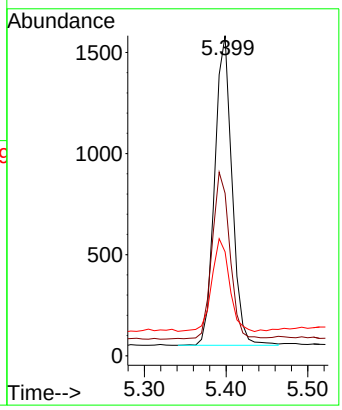


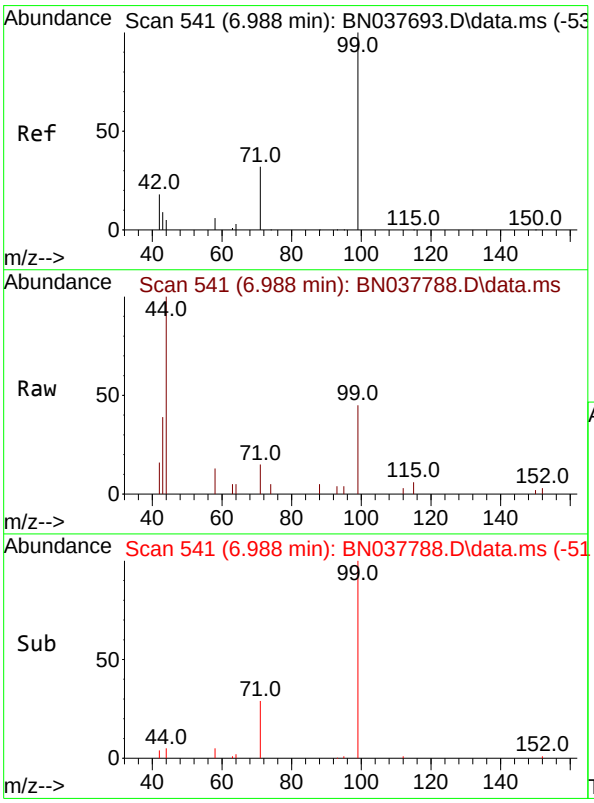
#4
2-Fluorophenol
Concen: 0.128 ng
RT: 5.399 min Scan# 3
Delta R.T. -0.000 min
Lab File: BN037788.D
Acq: 18 Sep 2025 21:51

Instrument :
BNA_N
ClientSampleId :
DUP03-20250910

Tgt Ion:112 Resp: 2255

Ion	Ratio	Lower	Upper
112	100		
64	55.4	44.9	67.3
63	30.6	24.7	37.1

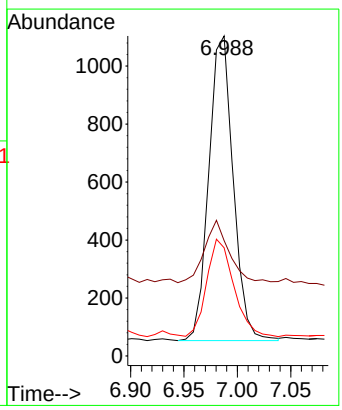


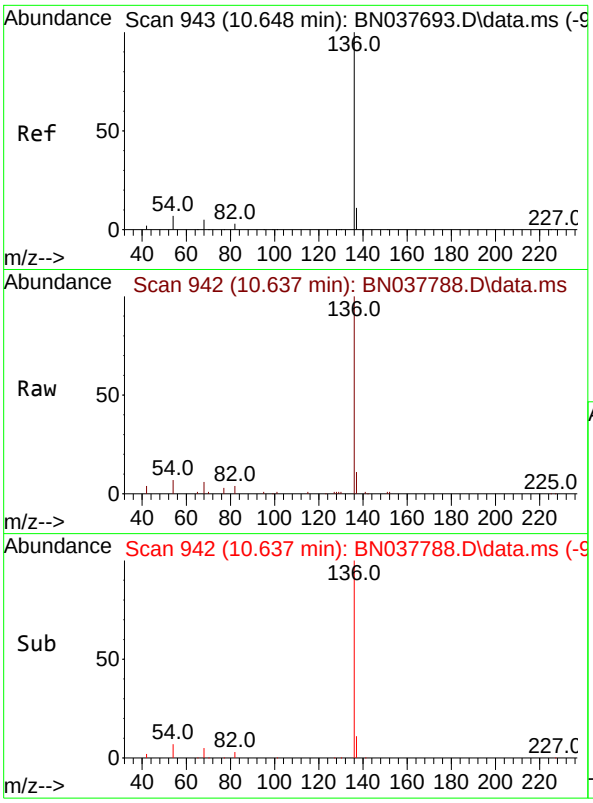


#5
Phenol-d6
Concen: 0.073 ng
RT: 6.988 min Scan# 541
Delta R.T. -0.000 min
Lab File: BN037788.D
Acq: 18 Sep 2025 21:51

Tgt Ion: 99 Resp: 1672

Ion	Ratio	Lower	Upper
99	100		
42	20.6	16.6	24.8
71	35.4	26.7	40.1



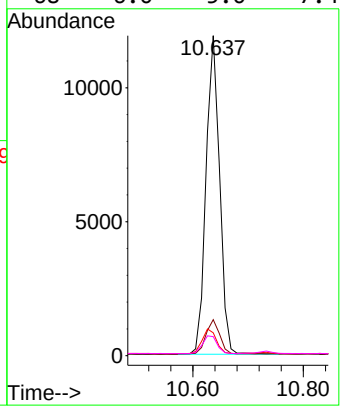


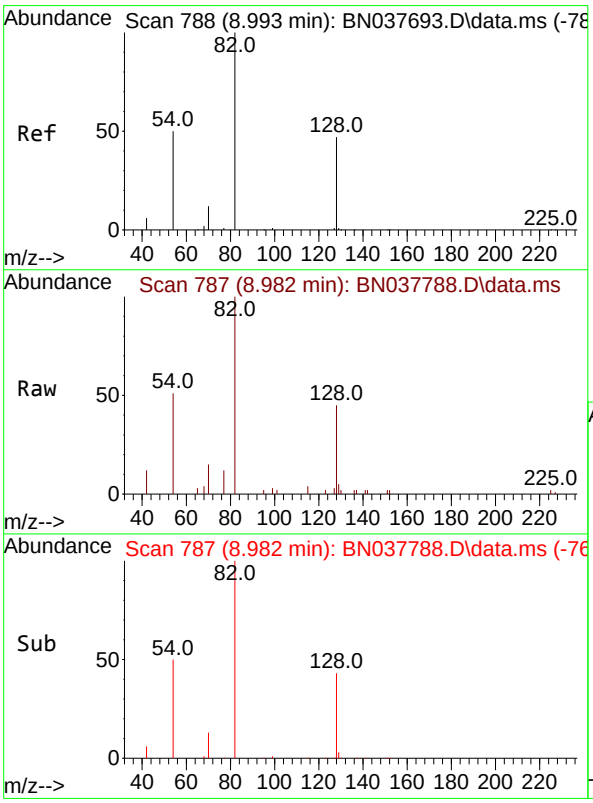
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.637 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037788.D
Acq: 18 Sep 2025 21:51

Instrument :
BNA_N
ClientSampleId :
DUP03-20250910

Tgt Ion:136 Resp: 20364

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	7.2	6.3	9.5
68	6.0	5.0	7.4

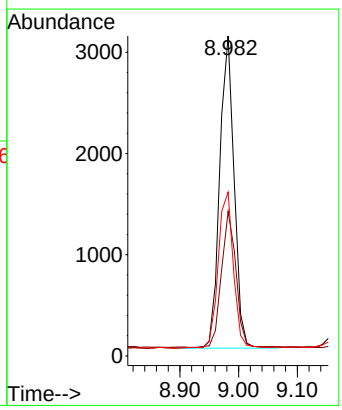


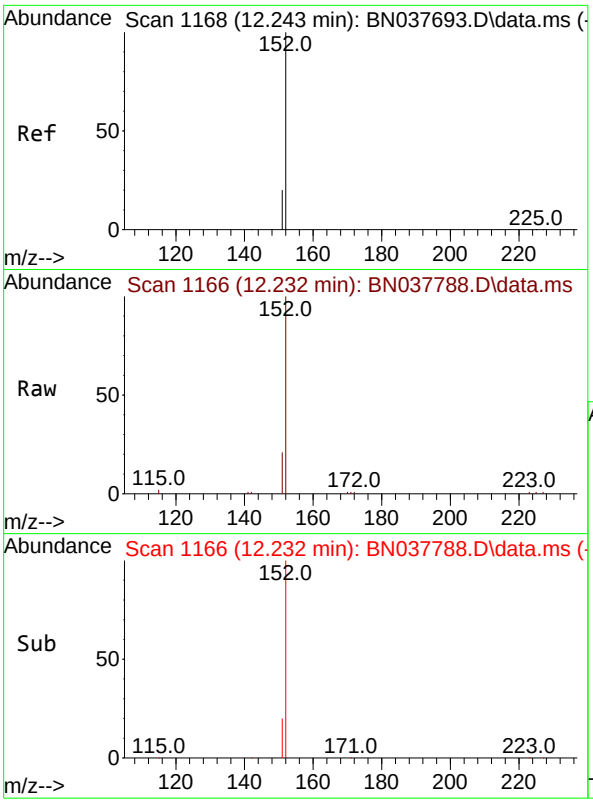


#8
Nitrobenzene-d5
Concen: 0.352 ng
RT: 8.982 min Scan# 787
Delta R.T. -0.011 min
Lab File: BN037788.D
Acq: 18 Sep 2025 21:51

Tgt Ion: 82 Resp: 5250

Ion	Ratio	Lower	Upper
82	100		
128	45.2	38.3	57.5
54	51.2	41.4	62.2



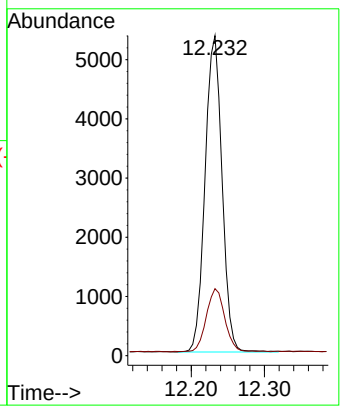


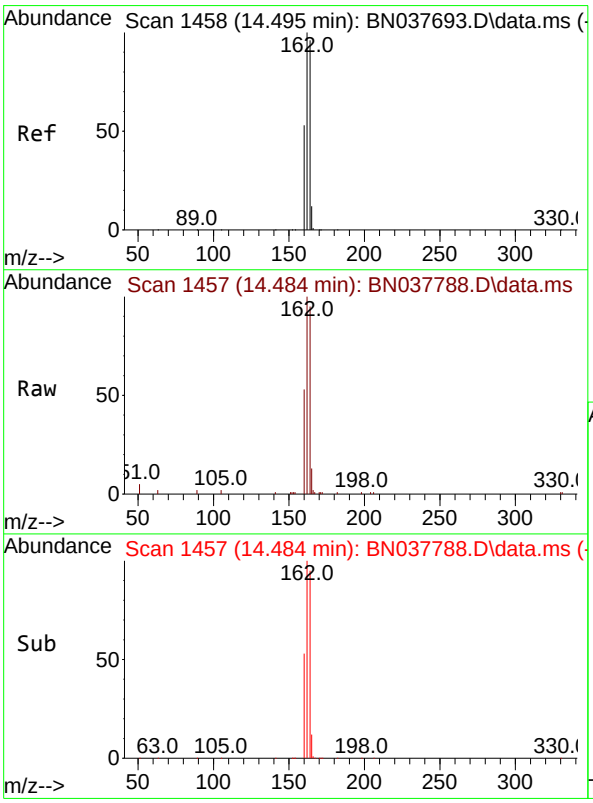
#11
2-Methylnaphthalene-d10
Concen: 0.319 ng
RT: 12.232 min Scan# 11
Delta R.T. -0.010 min
Lab File: BN037788.D
Acq: 18 Sep 2025 21:51

Instrument :
BNA_N
ClientSampleId :
DUP03-20250910

Tgt Ion:152 Resp: 8618

Ion	Ratio	Lower	Upper
152	100		
151	21.7	17.0	25.6

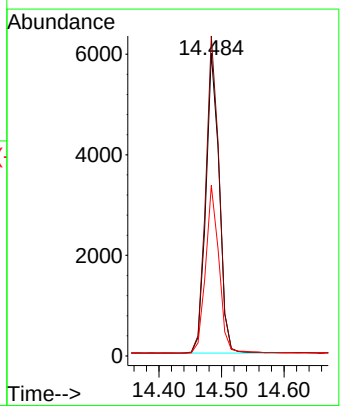


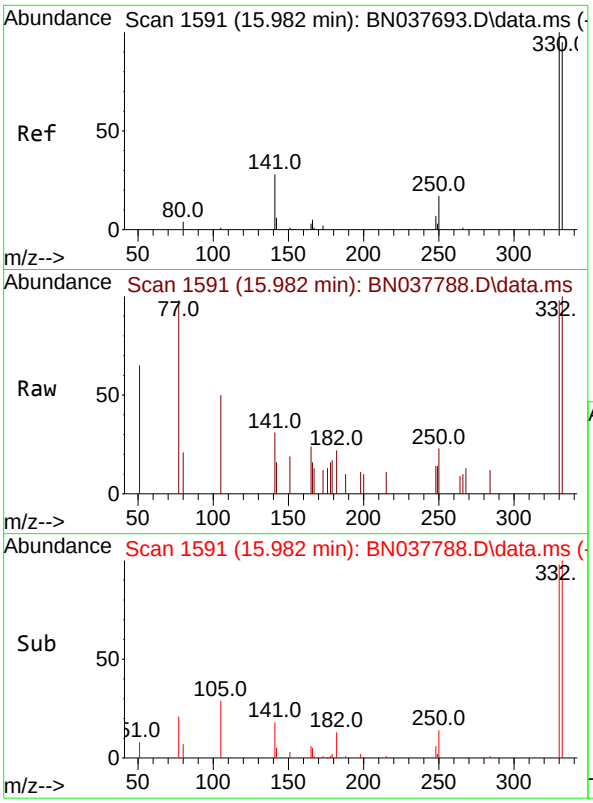


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.484 min Scan# 1457
Delta R.T. -0.011 min
Lab File: BN037788.D
Acq: 18 Sep 2025 21:51

Tgt Ion:164 Resp: 8849

Ion	Ratio	Lower	Upper
164	100		
162	105.7	83.1	124.7
160	56.3	44.3	66.5



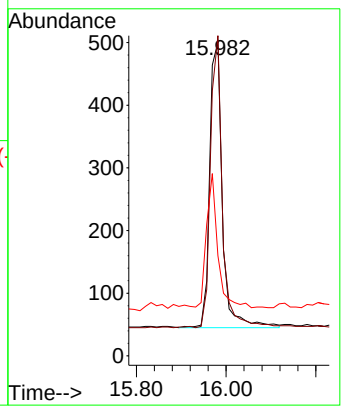


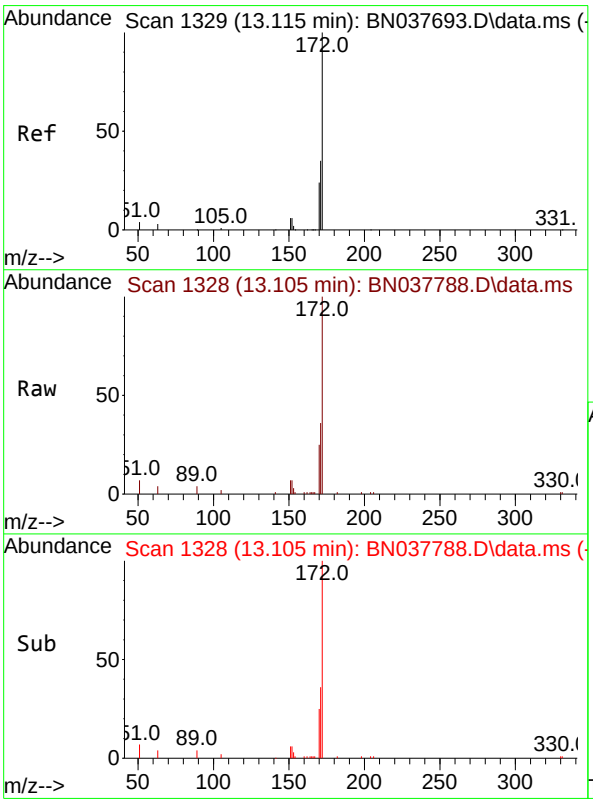
#14
2,4,6-Tribromophenol
Concen: 0.386 ng
RT: 15.982 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037788.D
Acq: 18 Sep 2025 21:51

Instrument :
BNA_N
ClientSampleId :
DUP03-20250910

Tgt Ion:330 Resp: 891

Ion	Ratio	Lower	Upper
330	100		
332	95.7	75.3	112.9
141	43.1	35.0	52.4

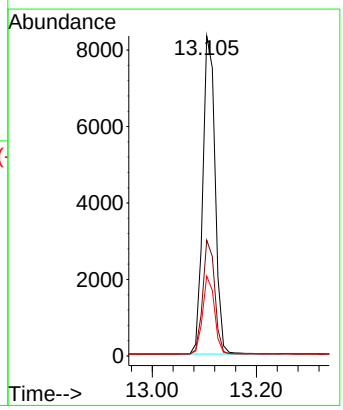


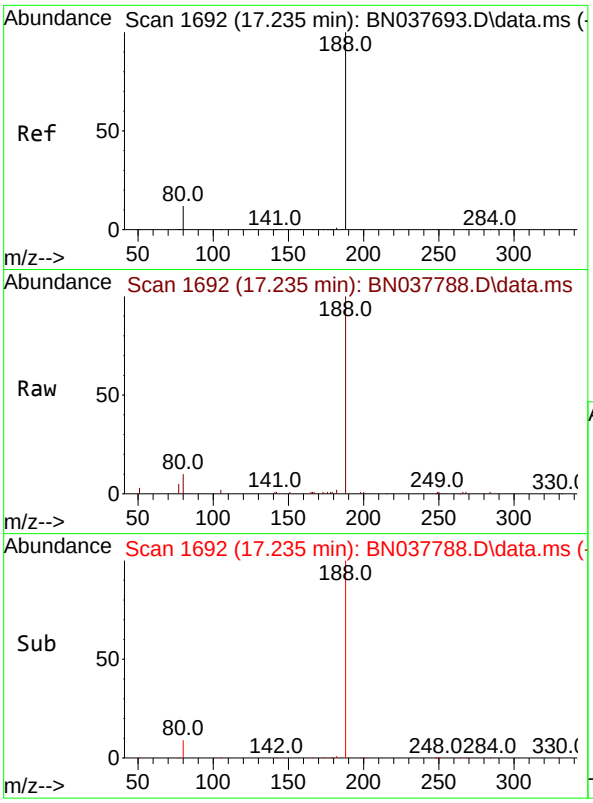


#15
2-Fluorobiphenyl
Concen: 0.368 ng
RT: 13.105 min Scan# 1328
Delta R.T. -0.011 min
Lab File: BN037788.D
Acq: 18 Sep 2025 21:51

Tgt Ion:172 Resp: 13638

Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.6	43.0
170	25.0	19.8	29.8



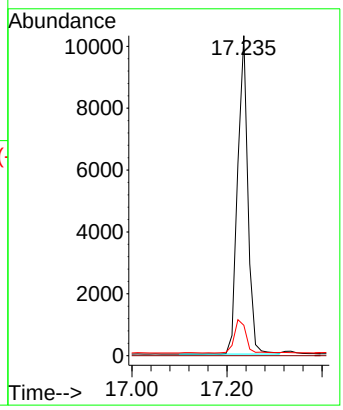


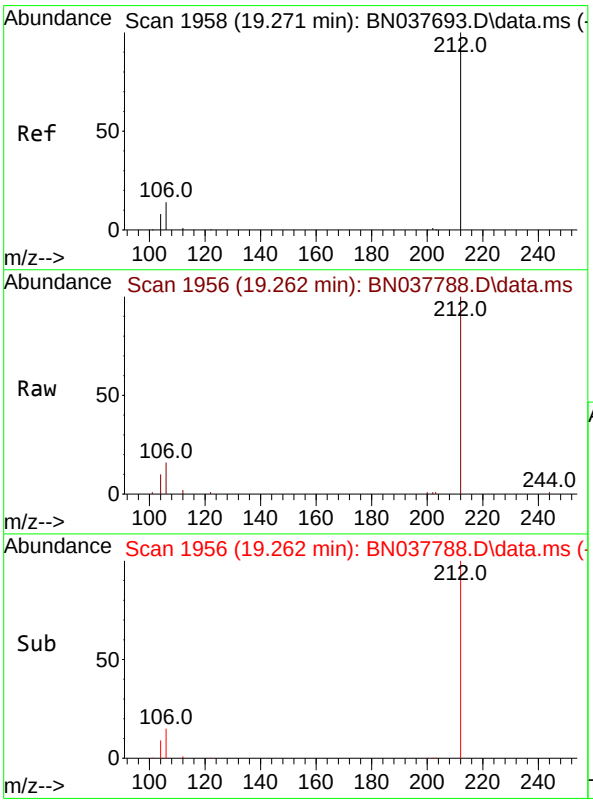
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.235 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037788.D
Acq: 18 Sep 2025 21:51

Instrument :
BNA_N
ClientSampleId :
DUP03-20250910

Tgt Ion:188 Resp: 15319

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.5	10.6	15.8#

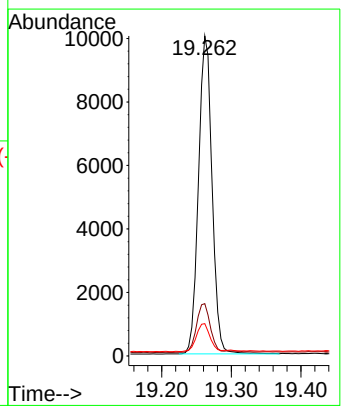


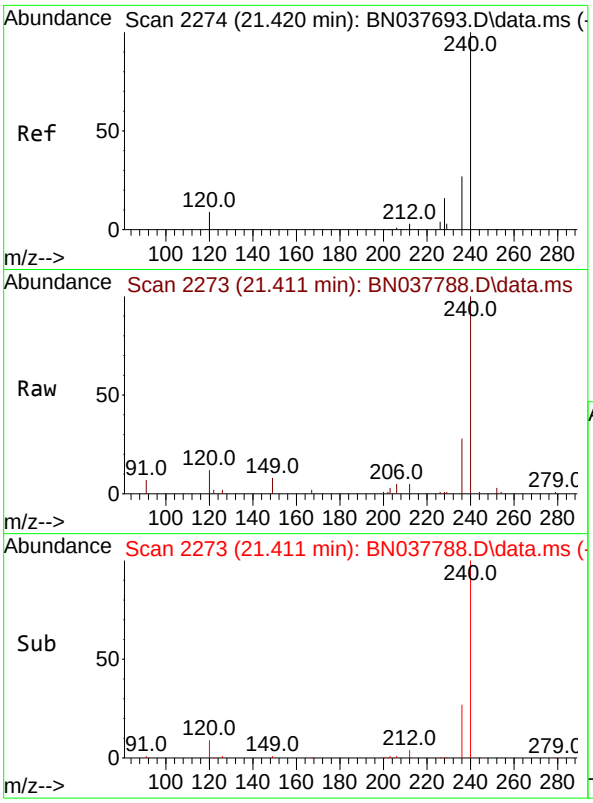


#27
Fluoranthene-d10
Concen: 0.352 ng
RT: 19.262 min Scan# 1956
Delta R.T. -0.009 min
Lab File: BN037788.D
Acq: 18 Sep 2025 21:51

Tgt Ion:212 Resp: 13525

Ion	Ratio	Lower	Upper
212	100		
106	15.5	12.2	18.2
104	9.1	6.9	10.3



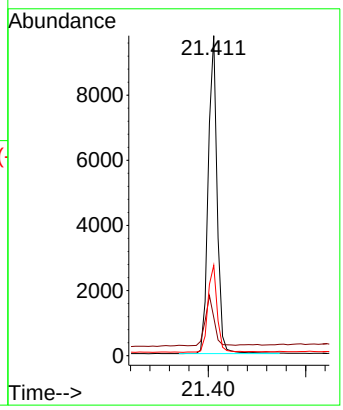


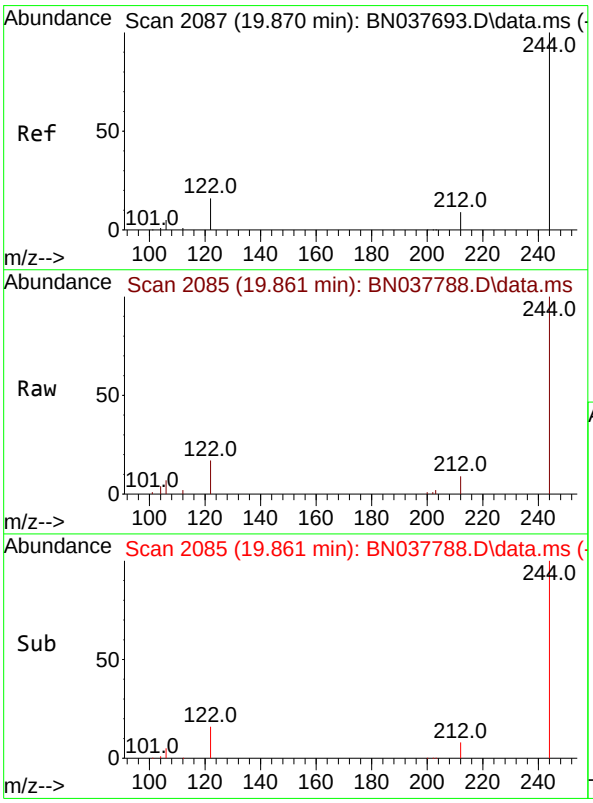
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.411 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037788.D
Acq: 18 Sep 2025 21:51

Instrument :
BNA_N
ClientSampleId :
DUP03-20250910

Tgt Ion:240 Resp: 12443

Ion	Ratio	Lower	Upper
240	100		
120	12.0	9.2	13.8
236	28.2	22.6	33.8

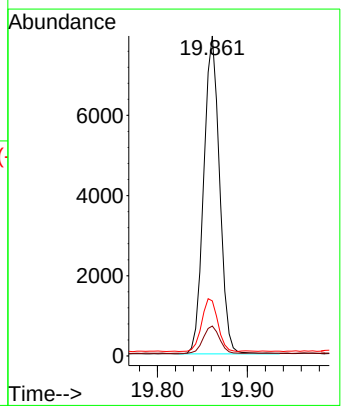


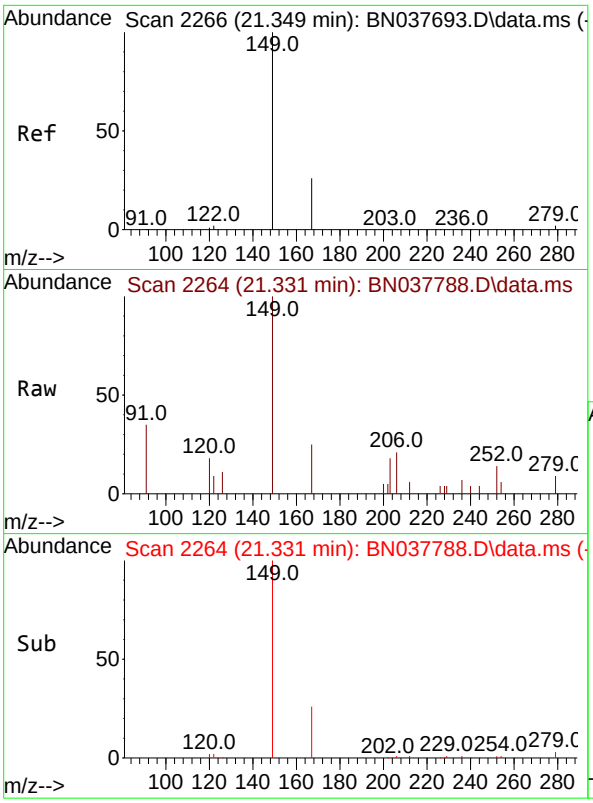


#31
Terphenyl-d14
Concen: 0.385 ng
RT: 19.861 min Scan# 2085
Delta R.T. -0.009 min
Lab File: BN037788.D
Acq: 18 Sep 2025 21:51

Tgt Ion:244 Resp: 9731

Ion	Ratio	Lower	Upper
244	100		
212	9.4	7.5	11.3
122	17.2	13.2	19.8



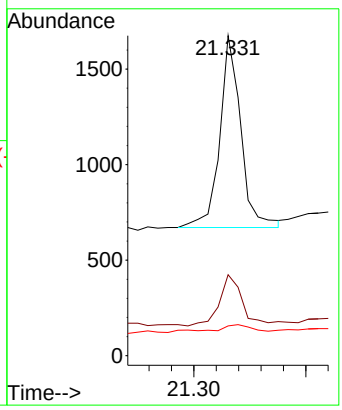


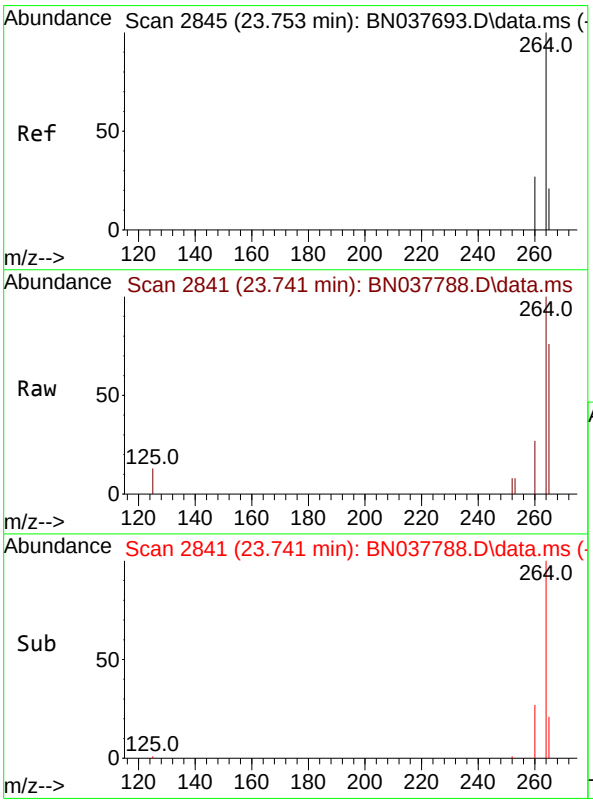
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.102 ng
RT: 21.331 min Scan# 2
Delta R.T. -0.018 min
Lab File: BN037788.D
Acq: 18 Sep 2025 21:51

Instrument :
BNA_N
ClientSampleId :
DUP03-20250910

Tgt Ion:149 Resp: 1314

Ion	Ratio	Lower	Upper
149	100		
167	30.2	20.8	31.2
279	4.0	3.3	4.9

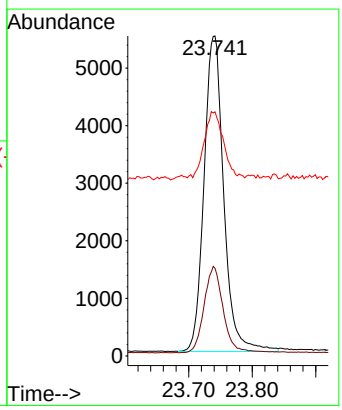




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.741 min Scan# 2841
Delta R.T. -0.012 min
Lab File: BN037788.D
Acq: 18 Sep 2025 21:51

Tgt Ion:264 Resp: 11797

Ion	Ratio	Lower	Upper
264	100		
260	27.4	21.8	32.8
265	76.3	39.4	59.2#



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:	09/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	RE117D1-20250910	SDG No.:	Q3095
Lab Sample ID:	Q3095-27	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
BN037815.D	1	09/15/25 12:00	09/19/25 15:32	PB169693

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.74		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.35		30 - 150		87%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.39		30 - 150		98%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.41		55 - 111		103%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.40		53 - 106		101%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.40		58 - 132		100%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	4750	7.833				
1146-65-2	Naphthalene-d8	12200	10.637				
15067-26-2	Acenaphthene-d10	5110	14.484				
1517-22-2	Phenanthrene-d10	8980	17.223				
1719-03-5	Chrysene-d12	8110	21.411				
1520-96-3	Perylene-d12	7860	23.744				

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\BN091925\
Data File : BN037815.D
Acq On : 19 Sep 2025 15:32
Operator : RC/JU
Sample : Q3095-27
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE117D1-20250910

Quant Time: Sep 19 16:55:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

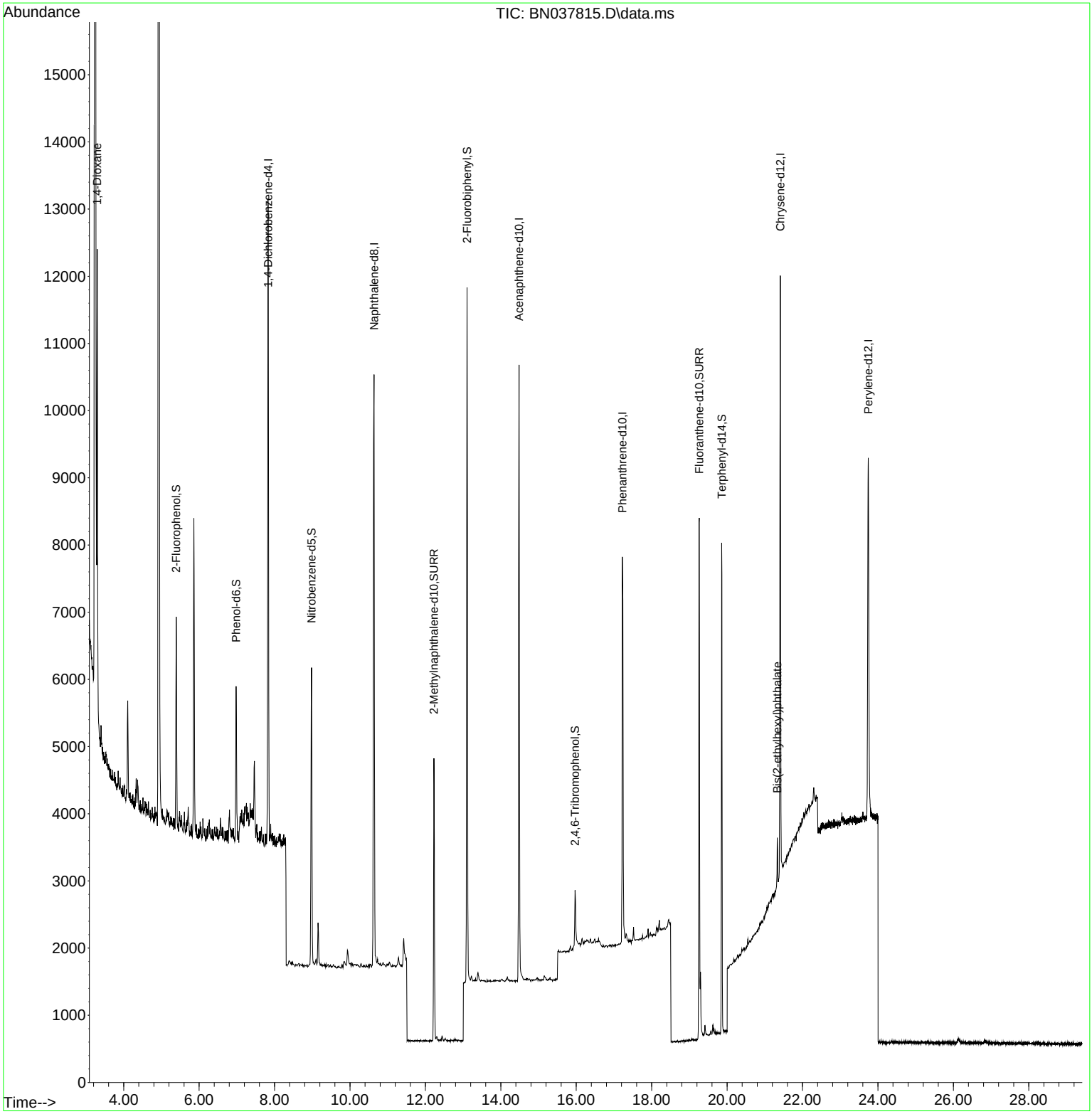
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.833	152	4745	0.400	ng	0.00
7) Naphthalene-d8	10.637	136	12184	0.400	ng	-0.01
13) Acenaphthene-d10	14.484	164	5111	0.400	ng	-0.01
19) Phenanthrene-d10	17.223	188	8978	0.400	ng	-0.01
29) Chrysene-d12	21.411	240	8113	0.400	ng	# 0.00
35) Perylene-d12	23.744	264	7855	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.391	112	2461	0.226	ng	0.00
5) Phenol-d6	6.980	99	1910	0.135	ng	0.00
8) Nitrobenzene-d5	8.982	82	3685	0.413	ng	-0.01
11) 2-Methylnaphthalene-d10	12.227	152	5602	0.347	ng	-0.02
14) 2,4,6-Tribromophenol	15.969	330	591	0.443	ng	-0.01
15) 2-Fluorobiphenyl	13.105	172	8625	0.403	ng	-0.01
27) Fluoranthene-d10	19.262	212	8803	0.391	ng	0.00
31) Terphenyl-d14	19.856	244	6620	0.402	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.297	88	3638	0.736	ng	98
34) Bis(2-ethylhexyl)phtha...	21.331	149	723	0.086	ng	# 92

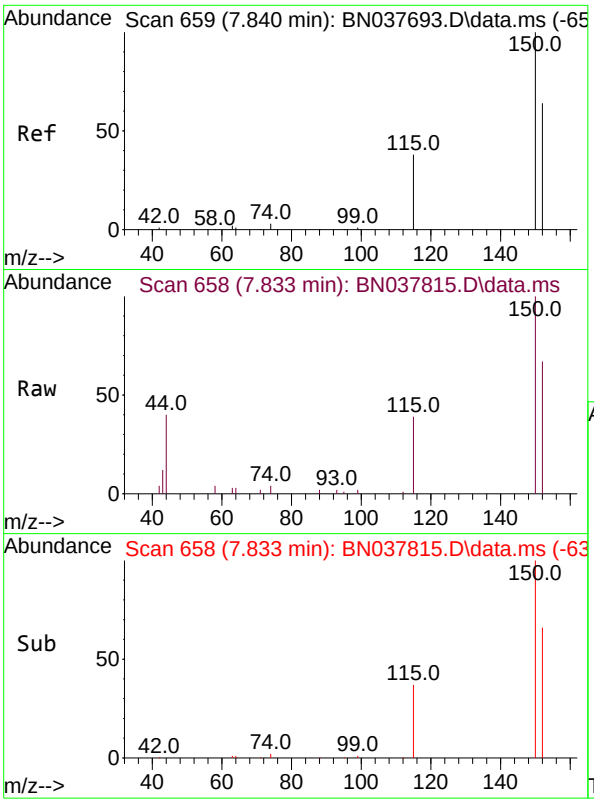
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091925\
Data File : BN037815.D
Acq On : 19 Sep 2025 15:32
Operator : RC/JU
Sample : Q3095-27
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE117D1-20250910

Quant Time: Sep 19 16:55:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration



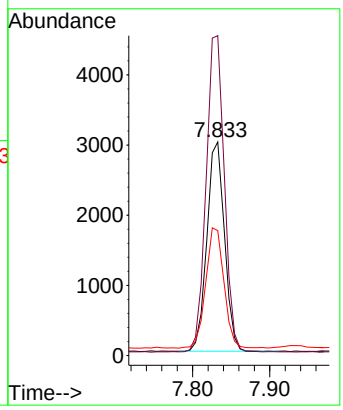


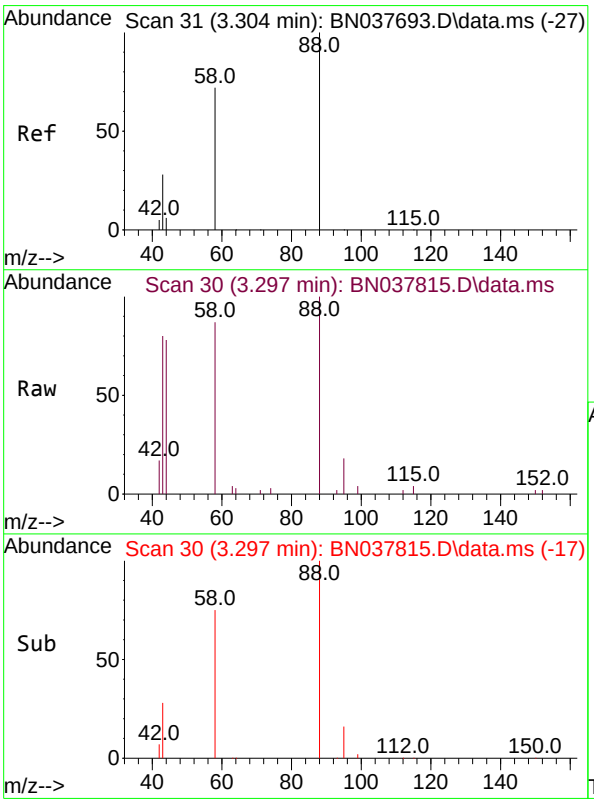
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.833 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN037815.D
Acq: 19 Sep 2025 15:32

Instrument :
BNA_N
ClientSampleId :
RE117D1-20250910

Tgt Ion:152 Resp: 4745

Ion	Ratio	Lower	Upper
152	100		
150	149.8	124.5	186.7
115	58.5	49.2	73.8

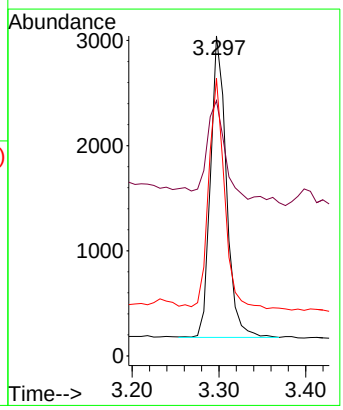


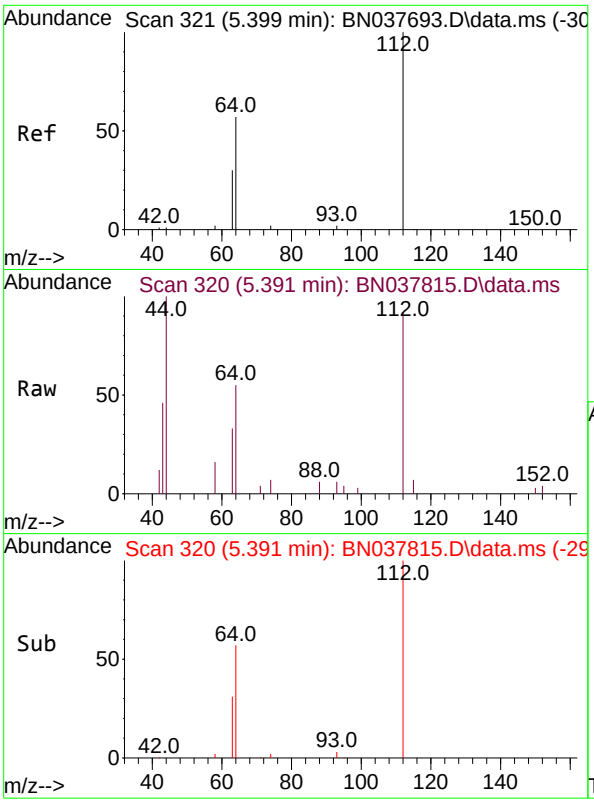


#2
1,4-Dioxane
Concen: 0.736 ng
RT: 3.297 min Scan# 30
Delta R.T. -0.007 min
Lab File: BN037815.D
Acq: 19 Sep 2025 15:32

Tgt Ion: 88 Resp: 3638

Ion	Ratio	Lower	Upper
88	100		
43	34.2	26.8	40.2
58	75.1	61.9	92.9



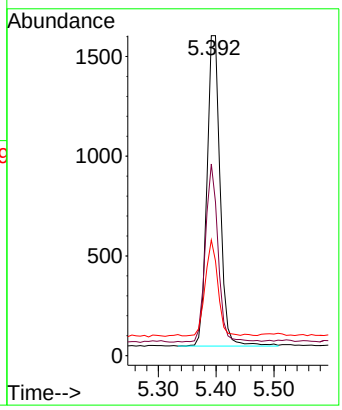


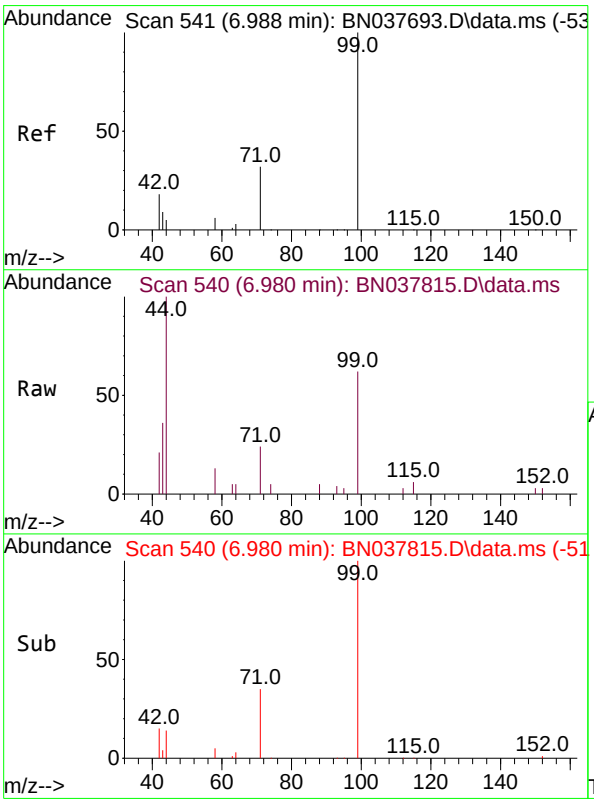
#4
2-Fluorophenol
Concen: 0.226 ng
RT: 5.391 min Scan# 3
Delta R.T. -0.007 min
Lab File: BN037815.D
Acq: 19 Sep 2025 15:32

Instrument :
BNA_N
ClientSampleId :
RE117D1-20250910

Tgt Ion:112 Resp: 2461

Ion	Ratio	Lower	Upper
112	100		
64	55.1	44.9	67.3
63	29.2	24.7	37.1

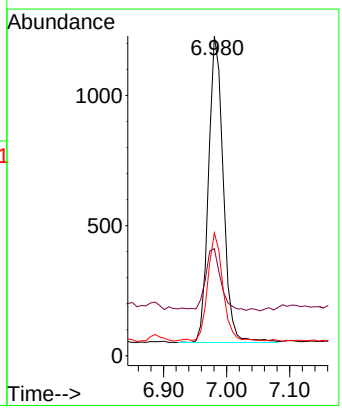


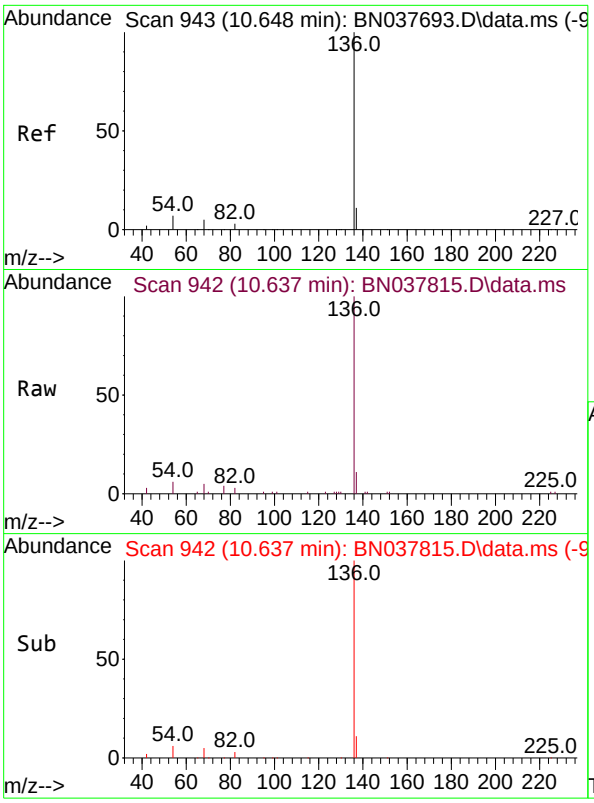


#5
Phenol-d6
Concen: 0.135 ng
RT: 6.980 min Scan# 540
Delta R.T. -0.007 min
Lab File: BN037815.D
Acq: 19 Sep 2025 15:32

Tgt Ion: 99 Resp: 1910

Ion	Ratio	Lower	Upper
99	100		
42	20.6	16.6	24.8
71	36.5	26.7	40.1



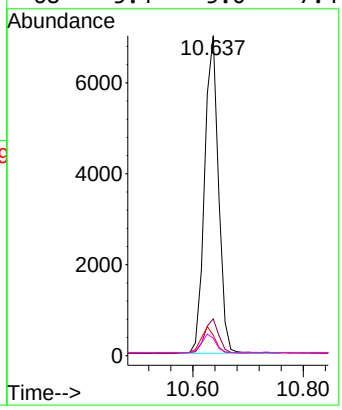


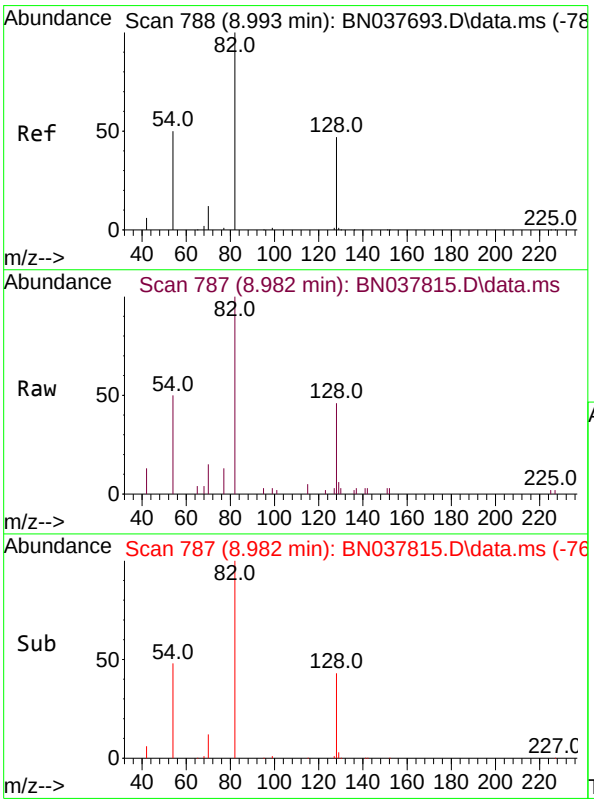
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.637 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037815.D
Acq: 19 Sep 2025 15:32

Instrument :
BNA_N
ClientSampleId :
RE117D1-20250910

Tgt Ion:136 Resp: 12184

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.1	13.7
54	6.4	6.3	9.5
68	5.4	5.0	7.4

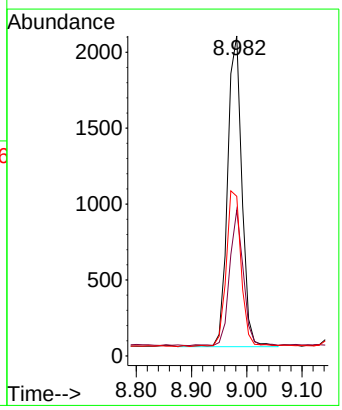


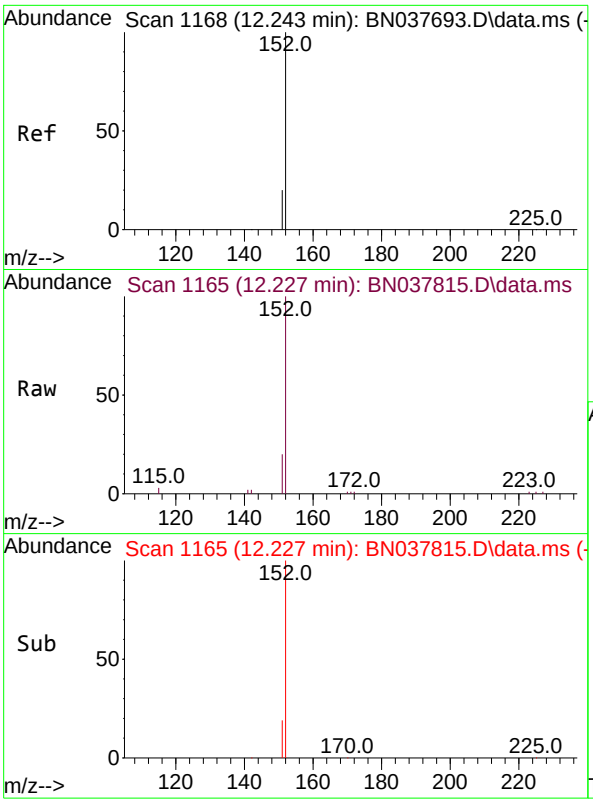


#8
Nitrobenzene-d5
Concen: 0.413 ng
RT: 8.982 min Scan# 787
Delta R.T. -0.011 min
Lab File: BN037815.D
Acq: 19 Sep 2025 15:32

Tgt Ion: 82 Resp: 3685

Ion	Ratio	Lower	Upper
82	100		
128	45.6	38.3	57.5
54	49.9	41.4	62.2



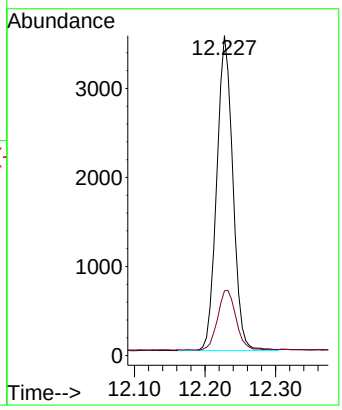


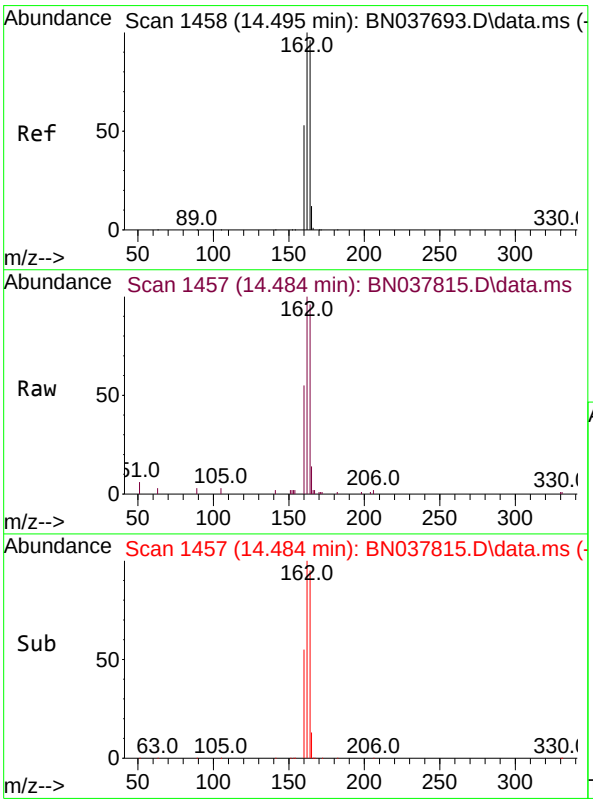
#11
2-Methylnaphthalene-d10
Concen: 0.347 ng
RT: 12.227 min Scan# 11
Delta R.T. -0.015 min
Lab File: BN037815.D
Acq: 19 Sep 2025 15:32

Instrument :
BNA_N
ClientSampleId :
RE117D1-20250910

Tgt Ion:152 Resp: 5602

Ion	Ratio	Lower	Upper
152	100		
151	21.6	17.0	25.6

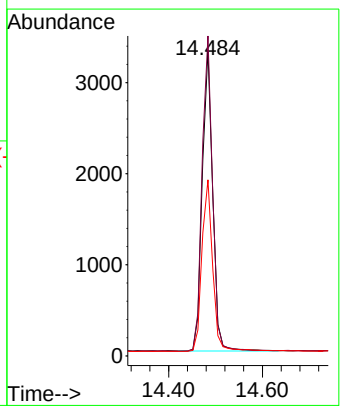


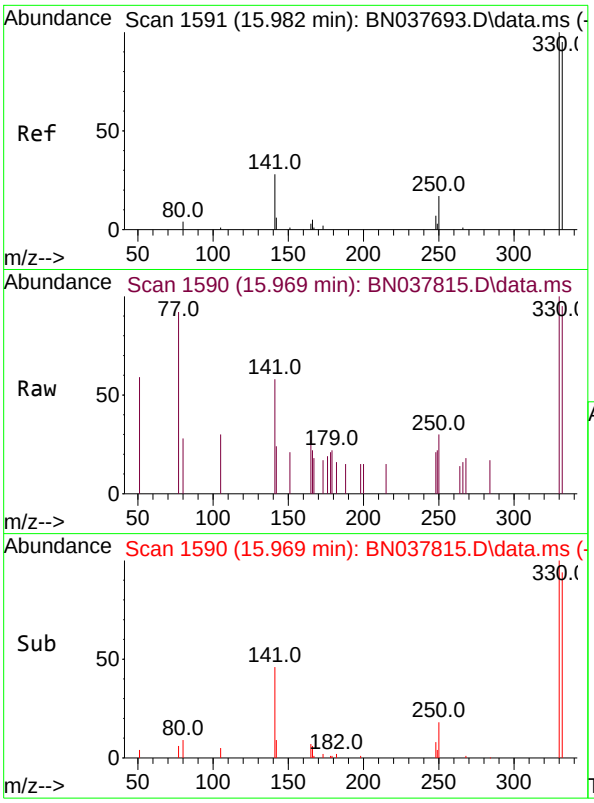


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.484 min Scan# 1457
Delta R.T. -0.011 min
Lab File: BN037815.D
Acq: 19 Sep 2025 15:32

Tgt Ion:164 Resp: 5111

Ion	Ratio	Lower	Upper
164	100		
162	104.7	83.1	124.7
160	57.6	44.3	66.5



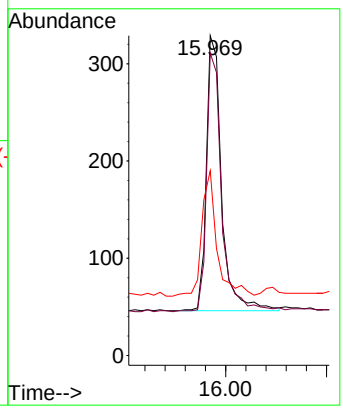


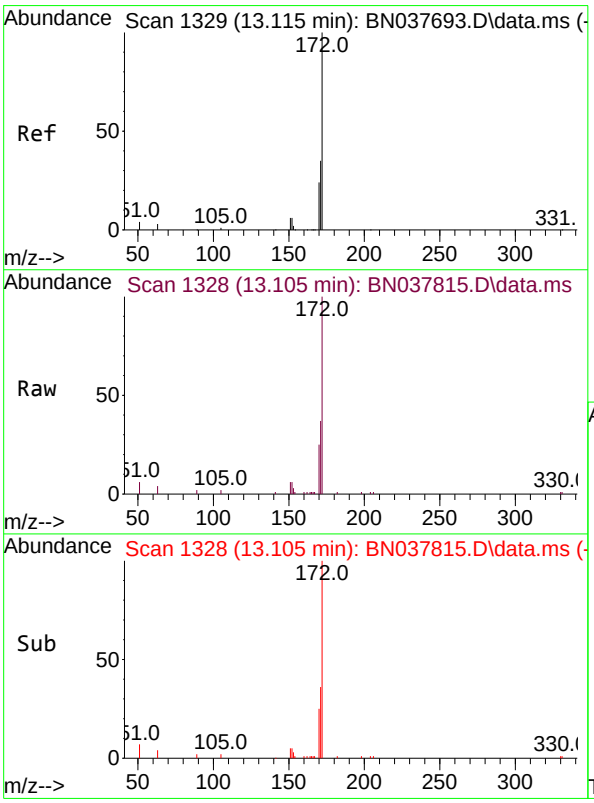
#14
2,4,6-Tribromophenol
Concen: 0.443 ng
RT: 15.969 min Scan# 1
Delta R.T. -0.013 min
Lab File: BN037815.D
Acq: 19 Sep 2025 15:32

Instrument :
BNA_N
ClientSampleId :
RE117D1-20250910

Tgt Ion:330 Resp: 591

Ion	Ratio	Lower	Upper
330	100		
332	93.9	75.3	112.9
141	45.2	35.0	52.4

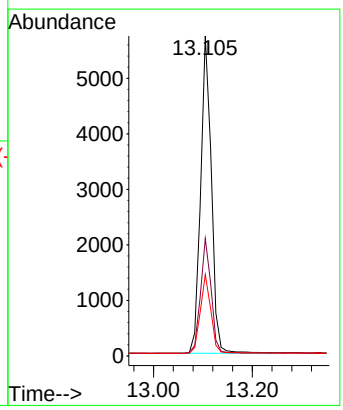


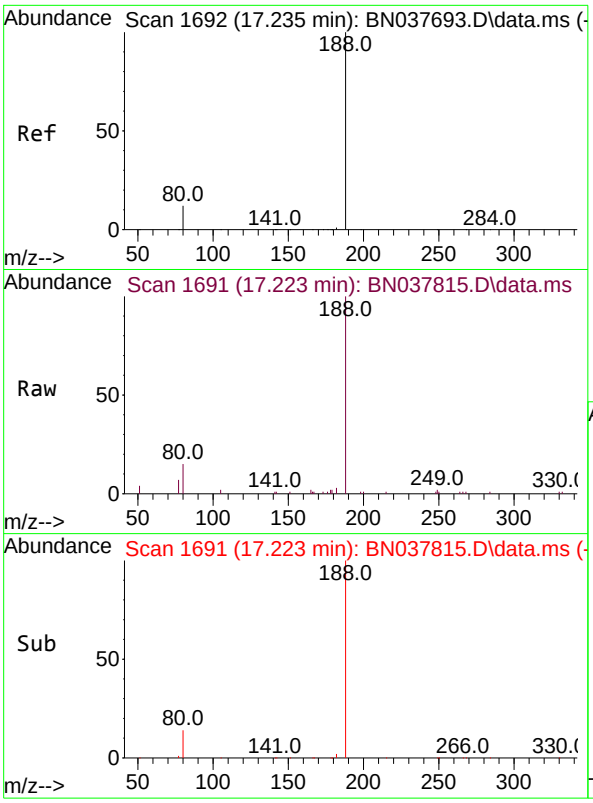


#15
2-Fluorobiphenyl
Concen: 0.403 ng
RT: 13.105 min Scan# 1328
Delta R.T. -0.011 min
Lab File: BN037815.D
Acq: 19 Sep 2025 15:32

Tgt Ion:172 Resp: 8625

Ion	Ratio	Lower	Upper
172	100		
171	36.7	28.6	43.0
170	25.4	19.8	29.8



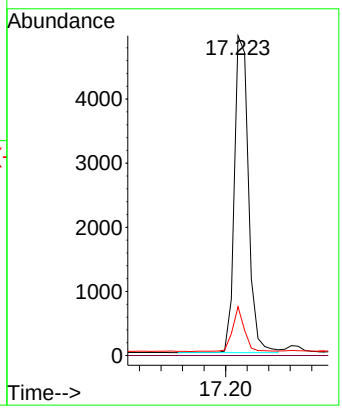


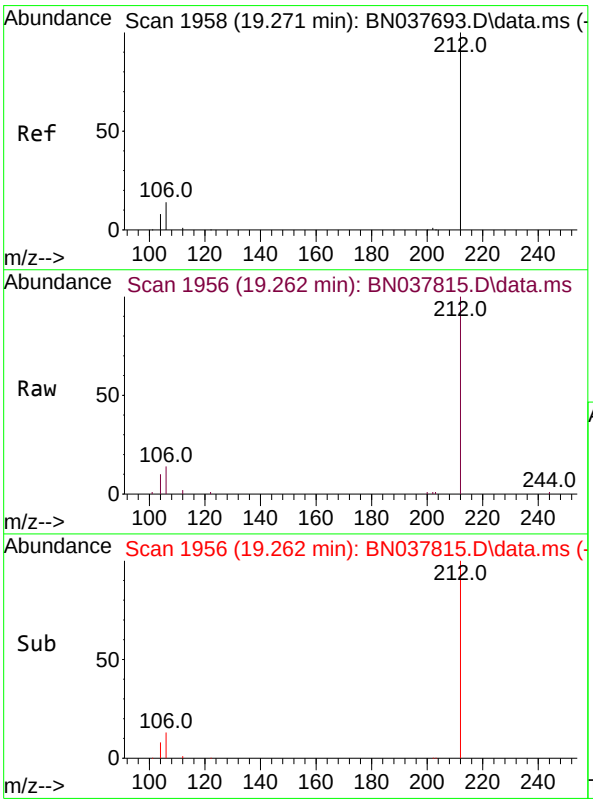
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.223 min Scan# 1
Delta R.T. -0.013 min
Lab File: BN037815.D
Acq: 19 Sep 2025 15:32

Instrument :
BNA_N
ClientSampleId :
RE117D1-20250910

Tgt Ion:188 Resp: 8978

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	15.3	10.6	15.8

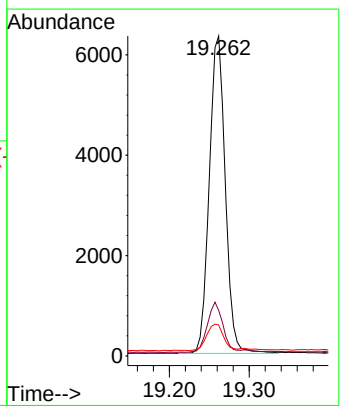


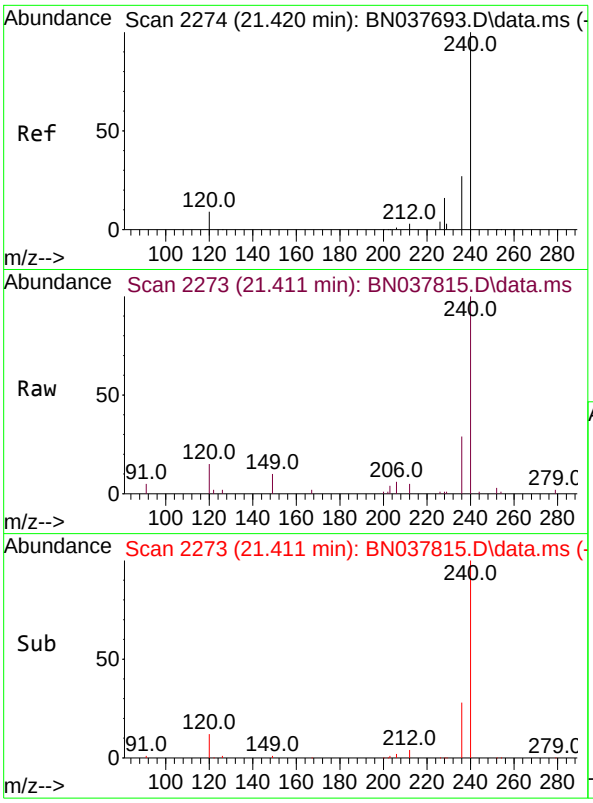


#27
Fluoranthene-d10
Concen: 0.391 ng
RT: 19.262 min Scan# 1956
Delta R.T. -0.009 min
Lab File: BN037815.D
Acq: 19 Sep 2025 15:32

Tgt Ion:212 Resp: 8803

Ion	Ratio	Lower	Upper
212	100		
106	15.3	12.2	18.2
104	8.7	6.9	10.3



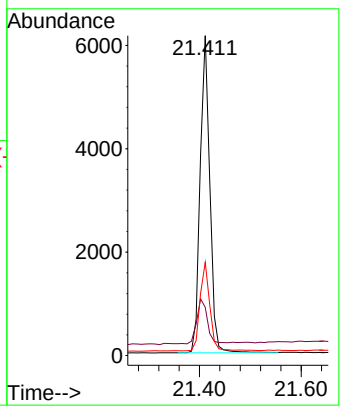


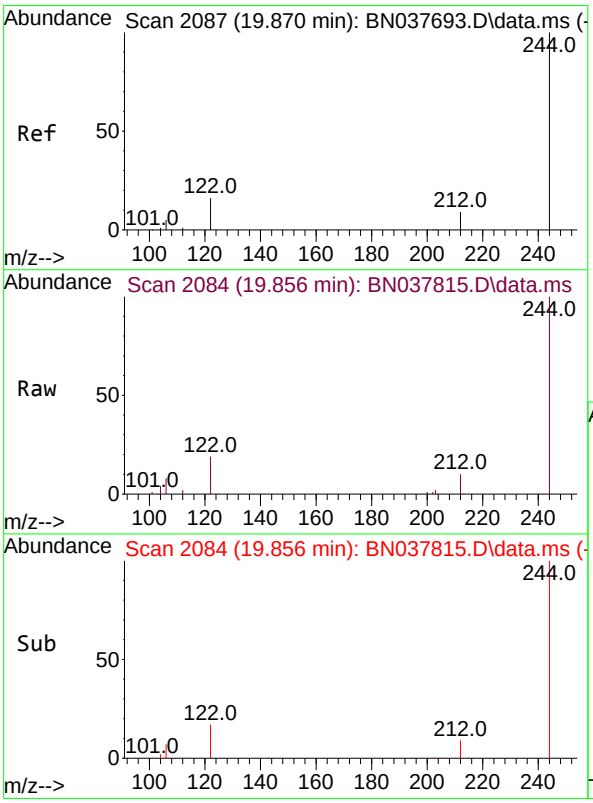
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.411 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN037815.D
Acq: 19 Sep 2025 15:32

Instrument :
BNA_N
ClientSampleId :
RE117D1-20250910

Tgt Ion:240 Resp: 8113

Ion	Ratio	Lower	Upper
240	100		
120	15.1	9.2	13.8#
236	29.2	22.6	33.8

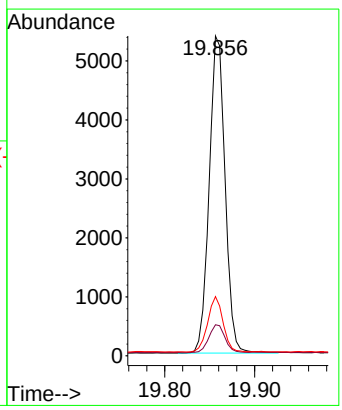


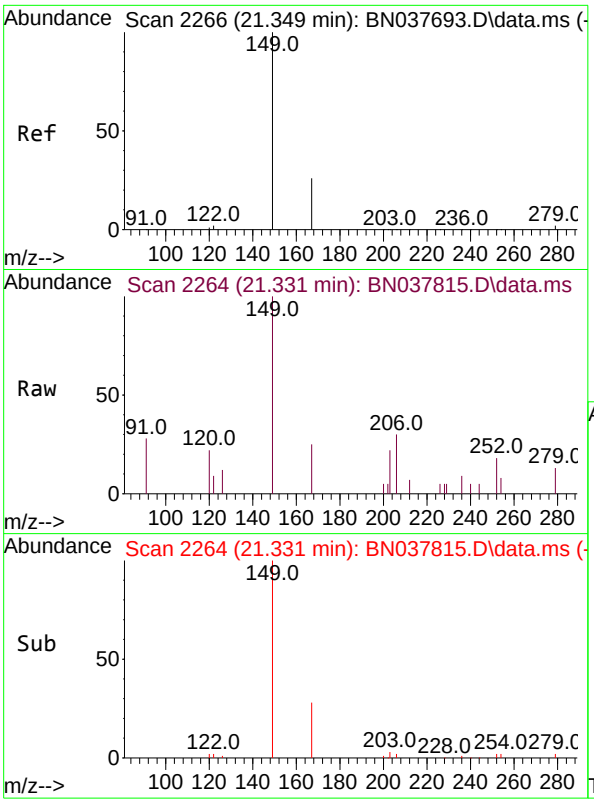


#31
Terphenyl-d14
Concen: 0.402 ng
RT: 19.856 min Scan# 2084
Delta R.T. -0.014 min
Lab File: BN037815.D
Acq: 19 Sep 2025 15:32

Tgt Ion:244 Resp: 6620

Ion	Ratio	Lower	Upper
244	100		
212	9.7	7.5	11.3
122	18.5	13.2	19.8



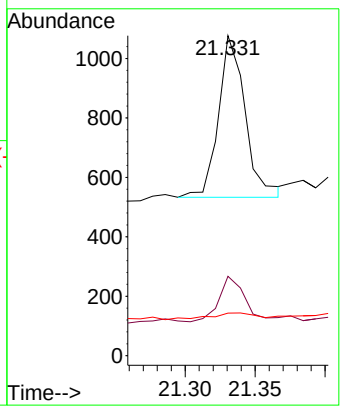


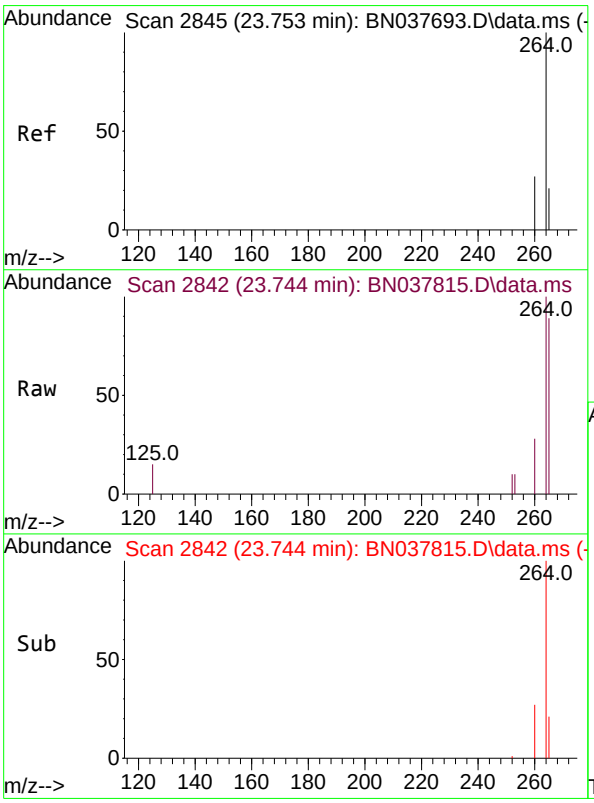
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.086 ng
RT: 21.331 min Scan# 2
Delta R.T. -0.018 min
Lab File: BN037815.D
Acq: 19 Sep 2025 15:32

Instrument :
BNA_N
ClientSampleId :
RE117D1-20250910

Tgt Ion:149 Resp: 723

Ion	Ratio	Lower	Upper
149	100		
167	29.7	20.8	31.2
279	7.3	3.3	4.9#

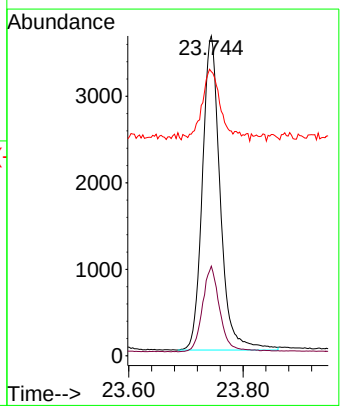




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.744 min Scan# 2842
Delta R.T. -0.009 min
Lab File: BN037815.D
Acq: 19 Sep 2025 15:32

Tgt Ion:264 Resp: 7855

Ion	Ratio	Lower	Upper
264	100		
260	28.0	21.8	32.8
265	88.8	39.4	59.2#



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:	09/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	RE104D3-20250910	SDG No.:	Q3095
Lab Sample ID:	Q3095-28	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
BN037843.D	1	09/15/25 12:00	09/20/25 09:14	PB169693

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	0.32		30 - 150		80%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.36		30 - 150		90%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.38		55 - 111		95%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.38		53 - 106		96%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.39		58 - 132		98%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	5580	7.825				
1146-65-2	Naphthalene-d8	14500	10.626				
15067-26-2	Acenaphthene-d10	6030	14.484				
1517-22-2	Phenanthrene-d10	10400	17.223				
1719-03-5	Chrysene-d12	8830	21.402				
1520-96-3	Perylene-d12	32.0	23.736				

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\BN091925\
Data File : BN037843.D
Acq On : 20 Sep 2025 09:14
Operator : RC/JU
Sample : Q3095-28
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE104D3-20250910

Quant Time: Sep 22 00:37:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

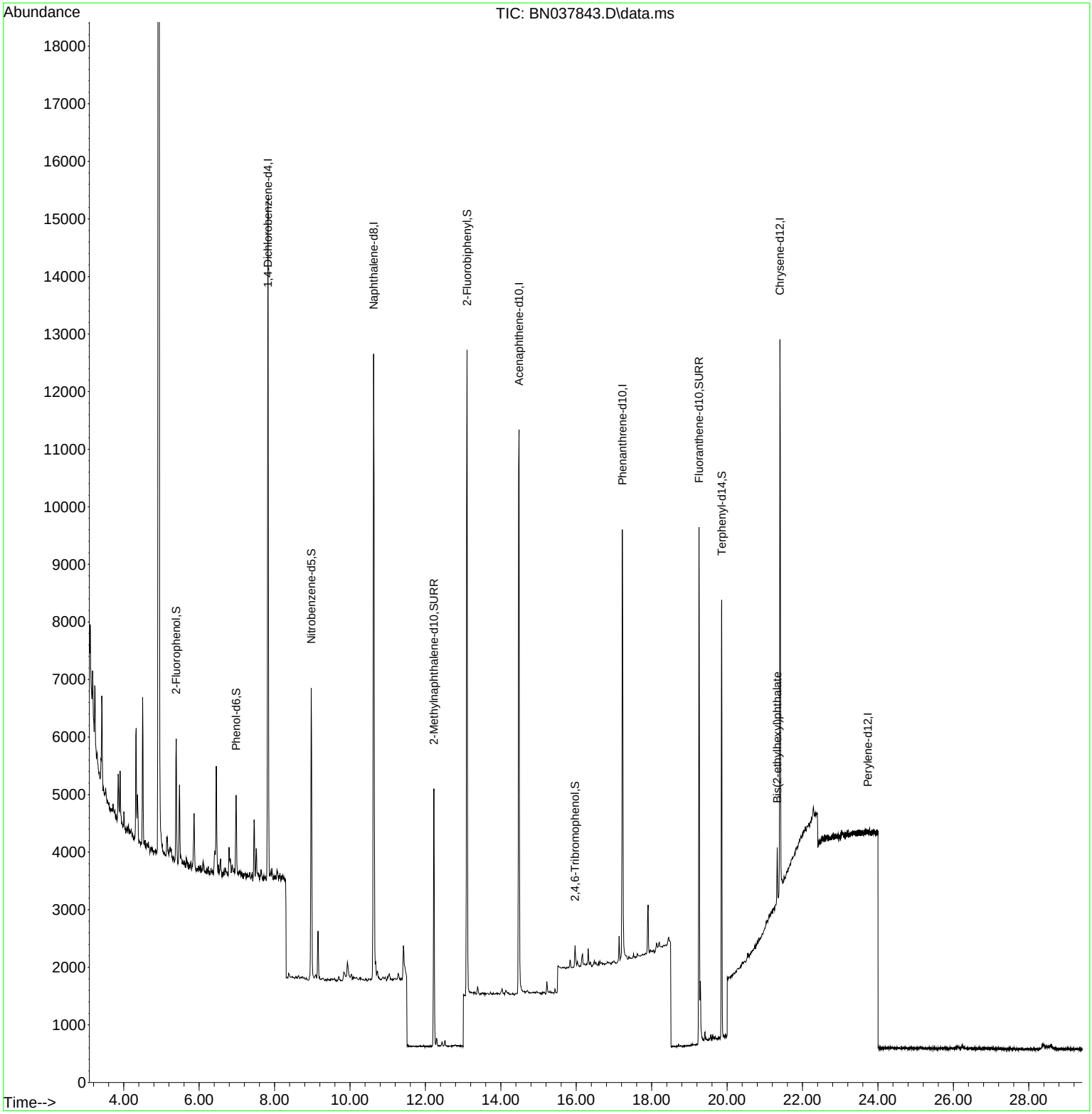
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.825	152	5576	0.400	ng	-0.01
7) Naphthalene-d8	10.626	136	14489	0.400	ng	-0.02
13) Acenaphthene-d10	14.484	164	6033	0.400	ng	-0.01
19) Phenanthrene-d10	17.223	188	10379	0.400	ng	-0.01
29) Chrysene-d12	21.402	240	8825	0.400	ng	#-0.02
35) Perylene-d12	23.736	264	32	0.400	ng	#-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.392	112	1641	0.128	ng	0.00
5) Phenol-d6	6.980	99	1234	0.074	ng	0.00
8) Nitrobenzene-d5	8.971	82	4034	0.381	ng	-0.02
11) 2-Methylnaphthalene-d10	12.227	152	6145	0.320	ng	-0.02
14) 2,4,6-Tribromophenol	15.969	330	247	0.157	ng	-0.01
15) 2-Fluorobiphenyl	13.105	172	9686	0.384	ng	-0.01
27) Fluoranthene-d10	19.257	212	9444	0.362	ng	-0.01
31) Terphenyl-d14	19.856	244	6998	0.391	ng	-0.01
Target Compounds						Qvalue
34) Bis(2-ethylhexyl)phtha...	21.331	149	976	0.107	ng	# 97

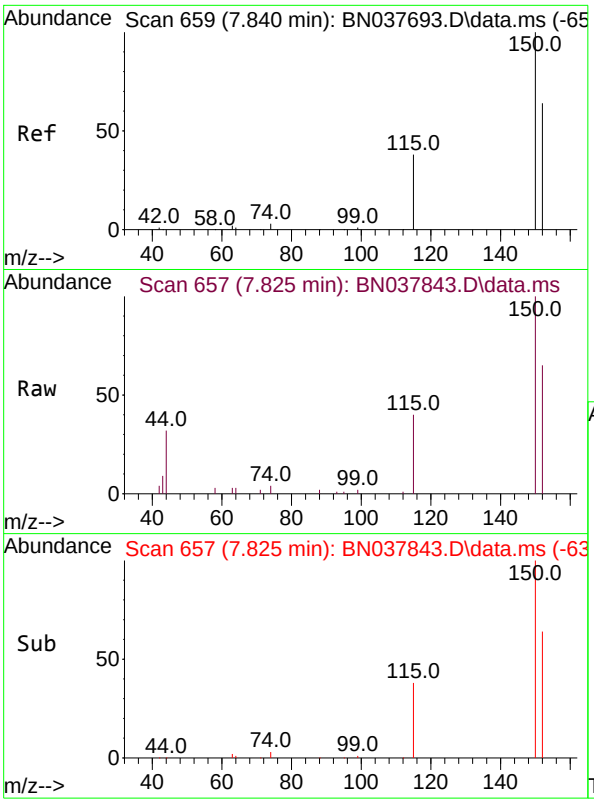
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091925\
Data File : BN037843.D
Acq On : 20 Sep 2025 09:14
Operator : RC/JU
Sample : Q3095-28
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE104D3-20250910

Quant Time: Sep 22 00:37:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration



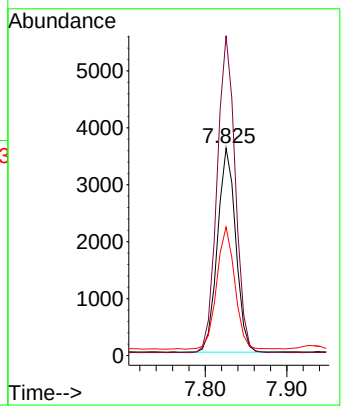


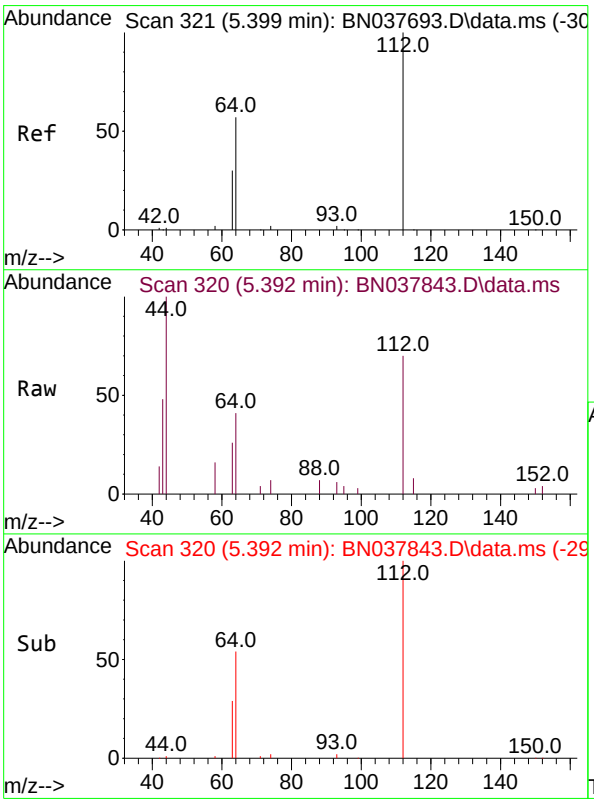
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.825 min Scan# 6
Delta R.T. -0.015 min
Lab File: BN037843.D
Acq: 20 Sep 2025 09:14

Instrument :
BNA_N
ClientSampleId :
RE104D3-20250910

Tgt Ion:152 Resp: 5576

Ion	Ratio	Lower	Upper
152	100		
150	154.2	124.5	186.7
115	62.0	49.2	73.8

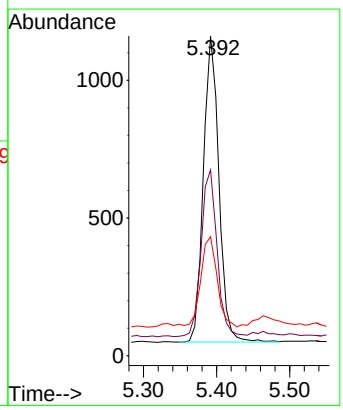


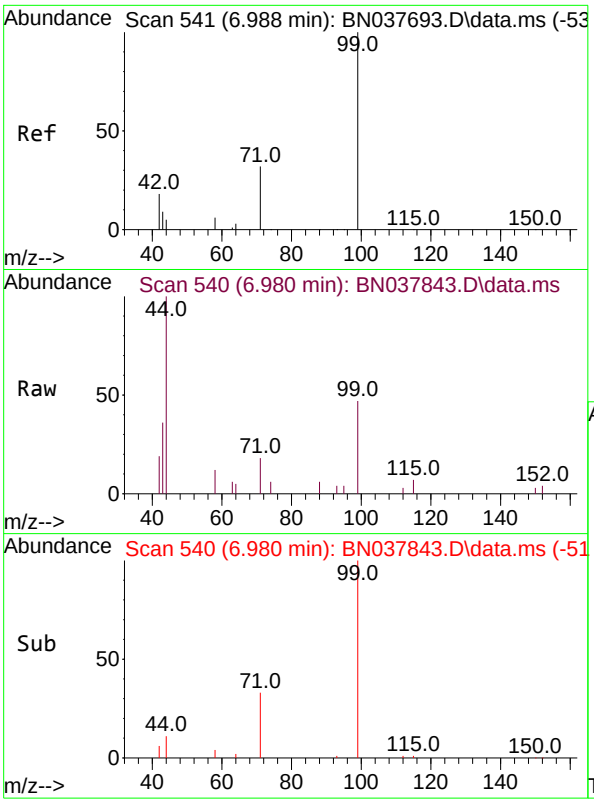


#4
2-Fluorophenol
Concen: 0.128 ng
RT: 5.392 min Scan# 320
Delta R.T. -0.007 min
Lab File: BN037843.D
Acq: 20 Sep 2025 09:14

Tgt Ion:112 Resp: 1641

Ion	Ratio	Lower	Upper
112	100		
64	55.9	44.9	67.3
63	30.8	24.7	37.1



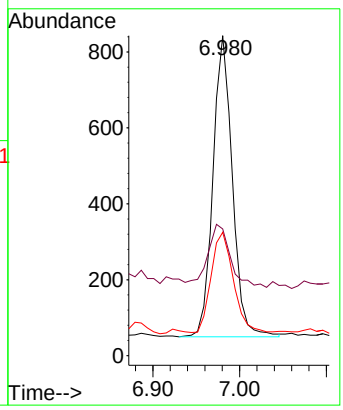


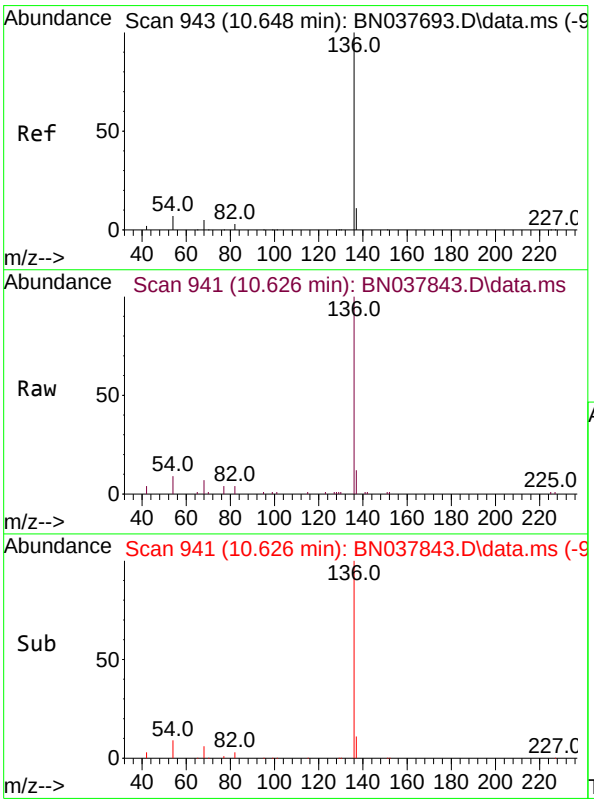
#5
Phenol-d6
Concen: 0.074 ng
RT: 6.980 min Scan# 54
Delta R.T. -0.007 min
Lab File: BN037843.D
Acq: 20 Sep 2025 09:14

Instrument :
BNA_N
ClientSampleId :
RE104D3-20250910

Tgt Ion: 99 Resp: 1234

Ion	Ratio	Lower	Upper
99	100		
42	24.6	16.6	24.8
71	38.9	26.7	40.1

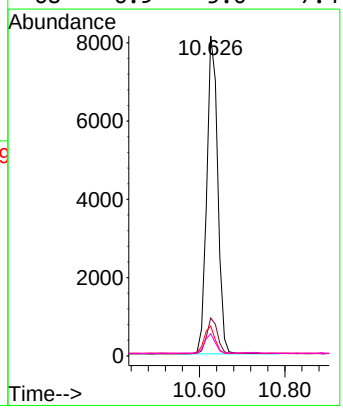


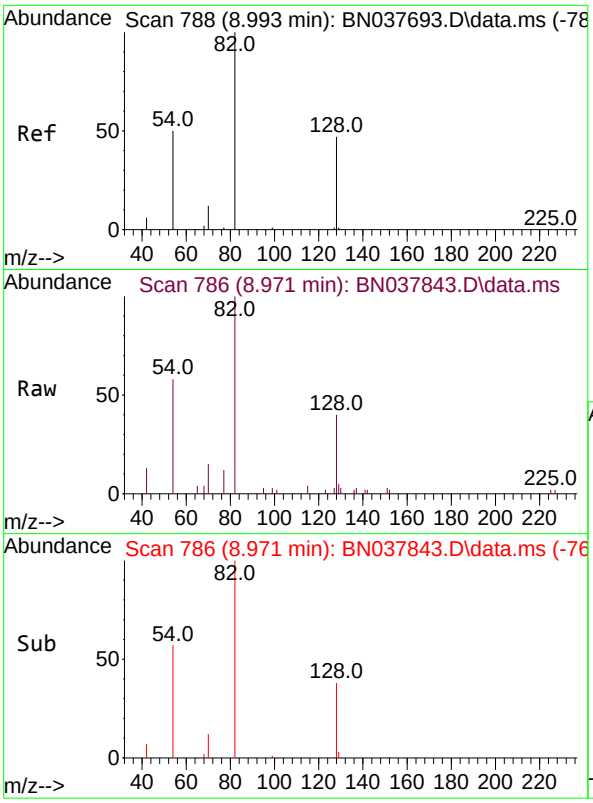


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.626 min Scan# 941
Delta R.T. -0.021 min
Lab File: BN037843.D
Acq: 20 Sep 2025 09:14

Tgt Ion:136 Resp: 14489

Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.1	13.7
54	9.3	6.3	9.5
68	6.9	5.0	7.4



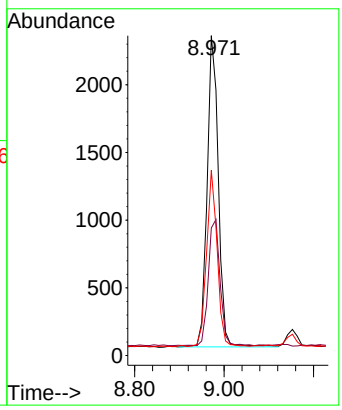


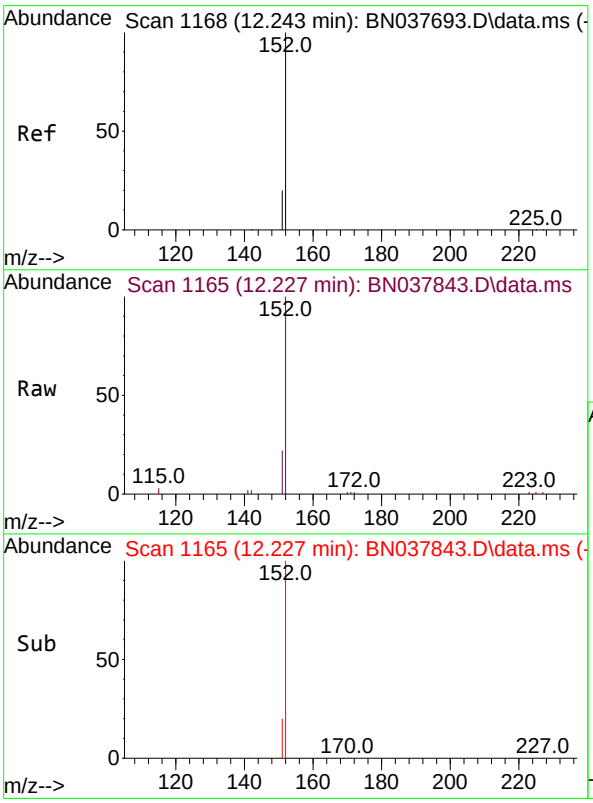
#8
Nitrobenzene-d5
Concen: 0.381 ng
RT: 8.971 min Scan# 78
Delta R.T. -0.021 min
Lab File: BN037843.D
Acq: 20 Sep 2025 09:14

Instrument :
BNA_N
ClientSampleId :
RE104D3-20250910

Tgt Ion: 82 Resp: 4034

Ion	Ratio	Lower	Upper
82	100		
128	39.9	38.3	57.5
54	57.9	41.4	62.2

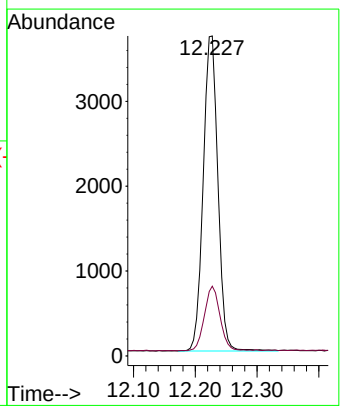


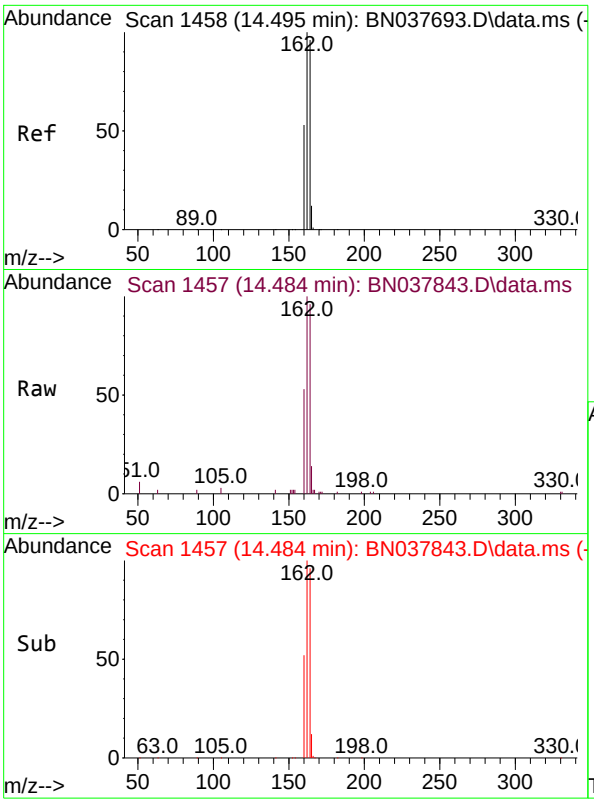


#11
2-Methylnaphthalene-d10
Concen: 0.320 ng
RT: 12.227 min Scan# 1165
Delta R.T. -0.015 min
Lab File: BN037843.D
Acq: 20 Sep 2025 09:14

Tgt Ion:152 Resp: 6145

Ion	Ratio	Lower	Upper
152	100		
151	21.8	17.0	25.6



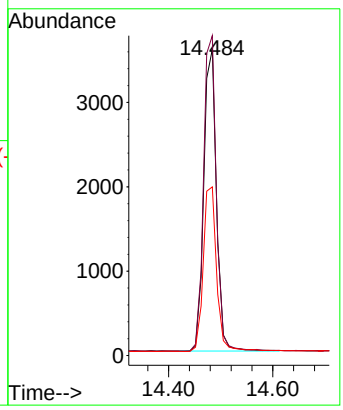


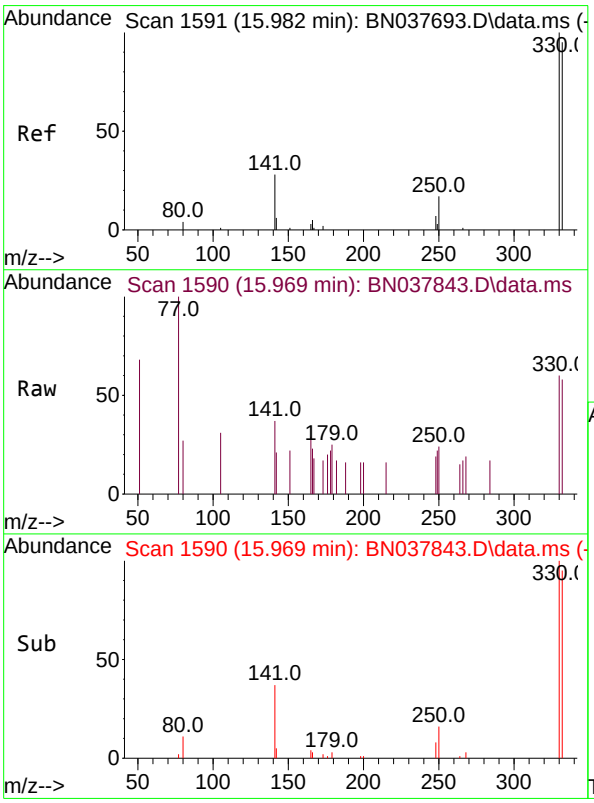
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.484 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN037843.D
Acq: 20 Sep 2025 09:14

Instrument :
BNA_N
ClientSampleId :
RE104D3-20250910

Tgt Ion:164 Resp: 6033

Ion	Ratio	Lower	Upper
164	100		
162	104.5	83.1	124.7
160	55.1	44.3	66.5

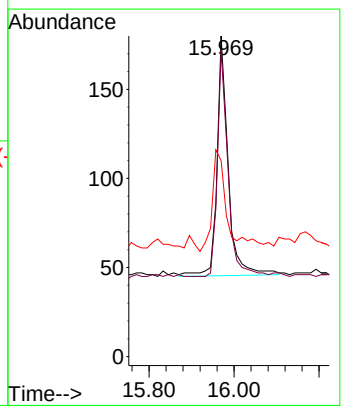


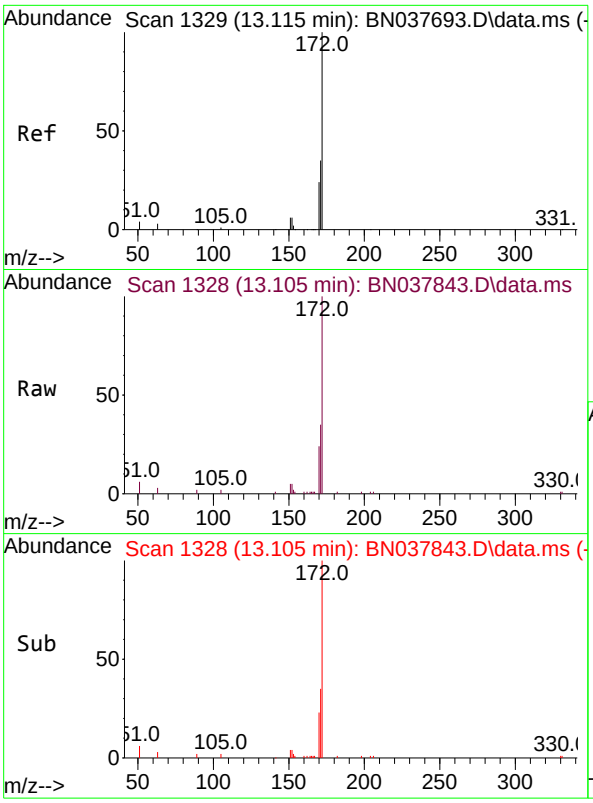


#14
2,4,6-Tribromophenol
Concen: 0.157 ng
RT: 15.969 min Scan# 1590
Delta R.T. -0.013 min
Lab File: BN037843.D
Acq: 20 Sep 2025 09:14

Tgt Ion:330 Resp: 247

Ion	Ratio	Lower	Upper
330	100		
332	88.7	75.3	112.9
141	48.2	35.0	52.4



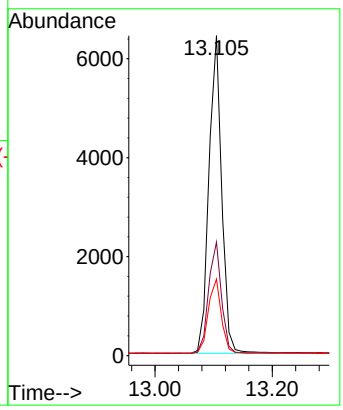


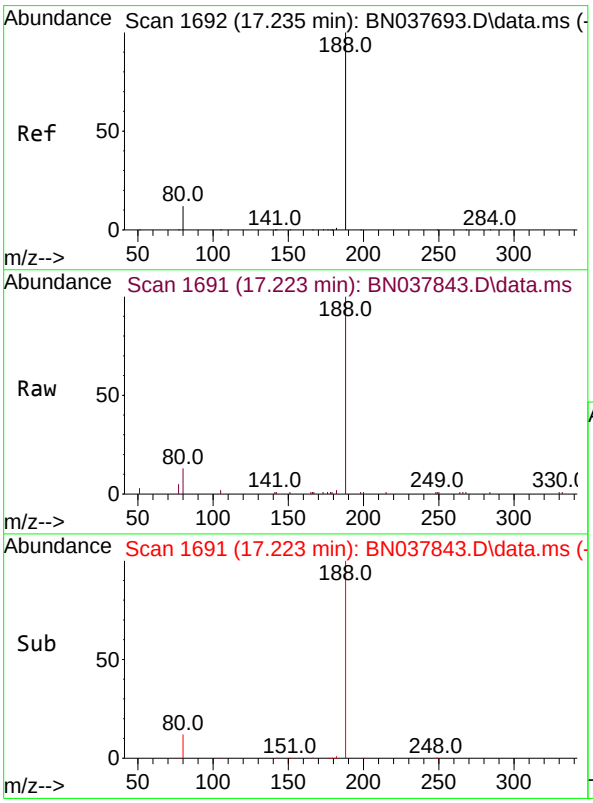
#15
2-Fluorobiphenyl
Concen: 0.384 ng
RT: 13.105 min Scan# 1
Delta R.T. -0.011 min
Lab File: BN037843.D
Acq: 20 Sep 2025 09:14

Instrument :
BNA_N
ClientSampleId :
RE104D3-20250910

Tgt Ion:172 Resp: 9686

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.6	43.0
170	23.9	19.8	29.8

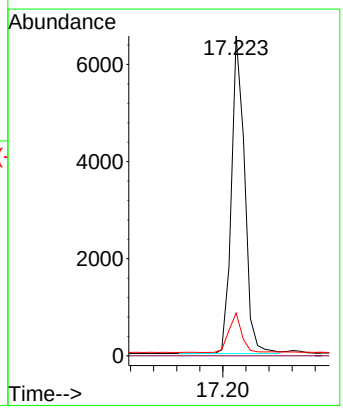


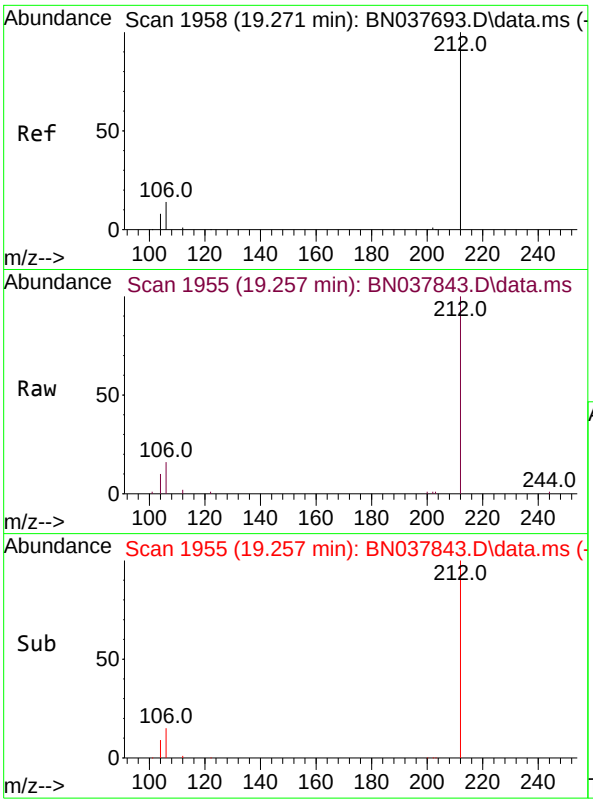


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.223 min Scan# 1691
Delta R.T. -0.013 min
Lab File: BN037843.D
Acq: 20 Sep 2025 09:14

Tgt Ion:188 Resp: 10379

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	13.4	10.6	15.8



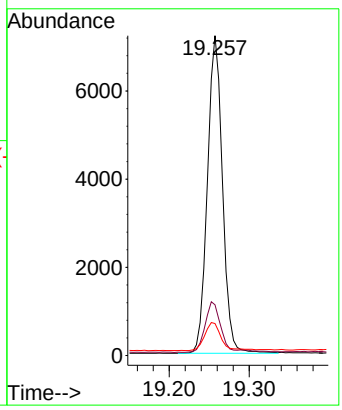


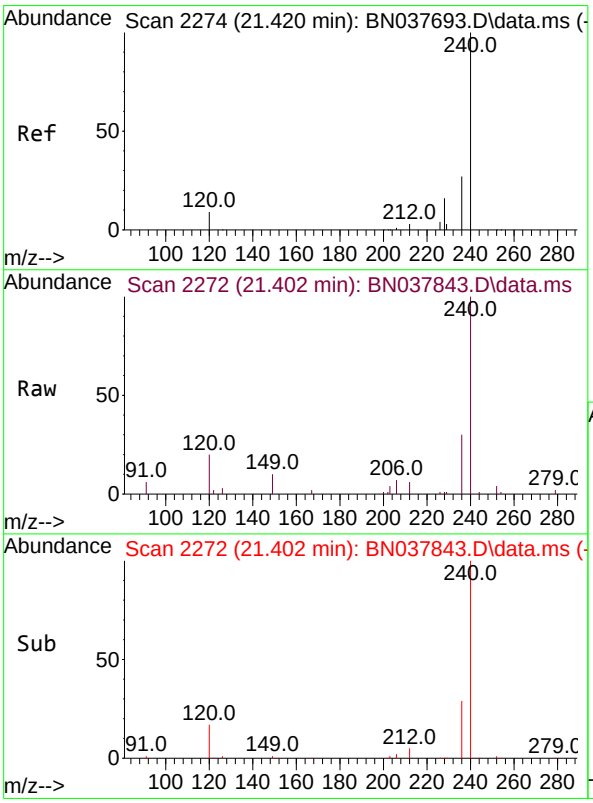
#27
Fluoranthene-d10
Concen: 0.362 ng
RT: 19.257 min Scan# 19
Delta R.T. -0.014 min
Lab File: BN037843.D
Acq: 20 Sep 2025 09:14

Instrument :
BNA_N
ClientSampleId :
RE104D3-20250910

Tgt Ion:212 Resp: 9444

Ion	Ratio	Lower	Upper
212	100		
106	16.3	12.2	18.2
104	9.8	6.9	10.3

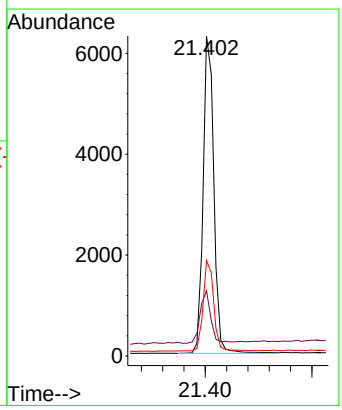


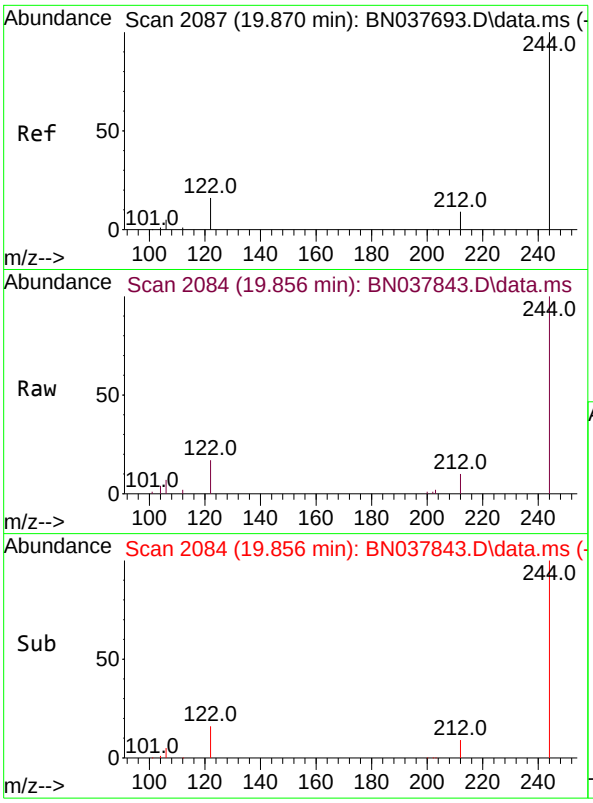


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.402 min Scan# 2272
Delta R.T. -0.018 min
Lab File: BN037843.D
Acq: 20 Sep 2025 09:14

Tgt Ion:240 Resp: 8825

Ion	Ratio	Lower	Upper
240	100		
120	20.3	9.2	13.8#
236	29.8	22.6	33.8



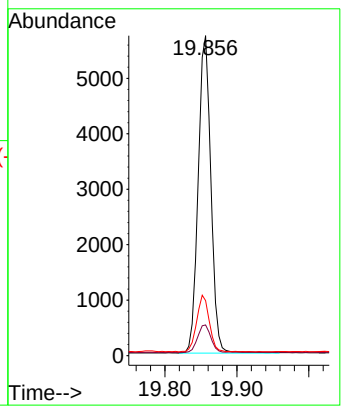


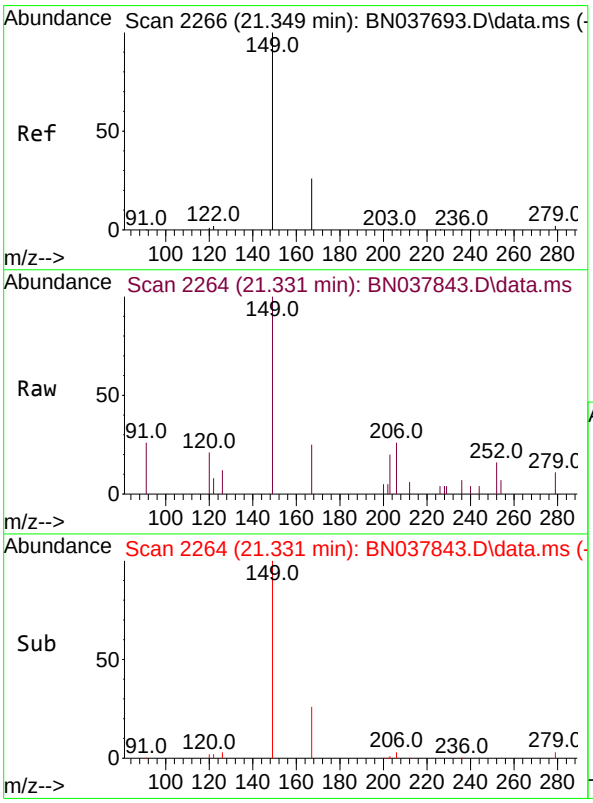
#31
Terphenyl-d14
Concen: 0.391 ng
RT: 19.856 min Scan# 20
Delta R.T. -0.014 min
Lab File: BN037843.D
Acq: 20 Sep 2025 09:14

Instrument :
BNA_N
ClientSampleId :
RE104D3-20250910

Tgt Ion:244 Resp: 6998

Ion	Ratio	Lower	Upper
244	100		
212	9.6	7.5	11.3
122	17.2	13.2	19.8

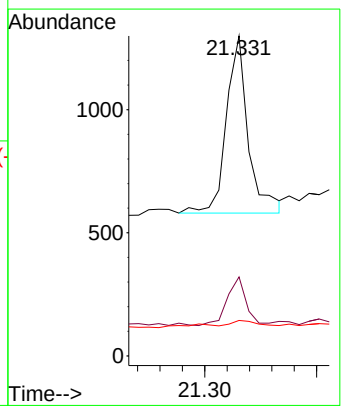


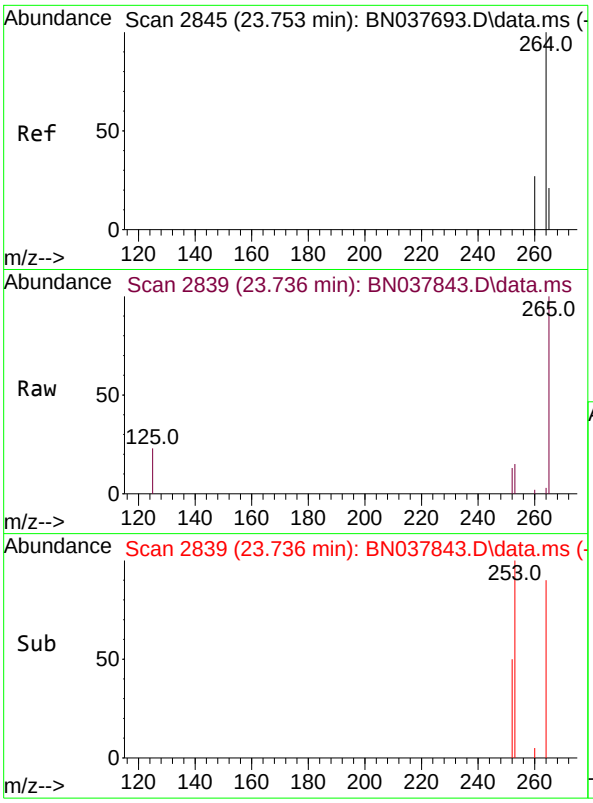


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.107 ng
RT: 21.331 min Scan# 2264
Delta R.T. -0.018 min
Lab File: BN037843.D
Acq: 20 Sep 2025 09:14

Tgt Ion:149 Resp: 976

Ion	Ratio	Lower	Upper
149	100		
167	24.2	20.8	31.2
279	3.2	3.3	4.9#



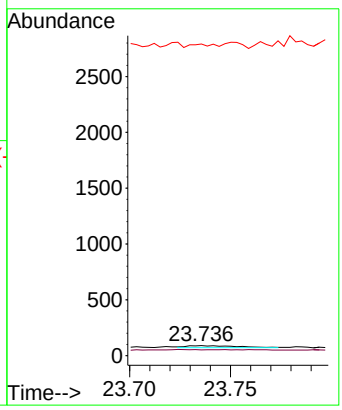


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.736 min Scan# 2
Delta R.T. -0.018 min
Lab File: BN037843.D
Acq: 20 Sep 2025 09:14

Instrument :
BNA_N
ClientSampleId :
RE104D3-20250910

Tgt Ion:264 Resp: 32

Ion	Ratio	Lower	Upper
264	100		
260	57.3	21.8	32.8#
265	3137.1	39.4	59.2#



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:	09/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	RE122D2-20250910	SDG No.:	Q3095
Lab Sample ID:	Q3095-29	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
BN037797.D	1	09/15/25 12:00	09/19/25 04:00	PB169693

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	3.80		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.35		30 - 150		87%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.36		30 - 150		90%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.39		55 - 111		98%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.41		53 - 106		101%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.39		58 - 132		98%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6380	7.833				
1146-65-2	Naphthalene-d8	15400	10.637				
15067-26-2	Acenaphthene-d10	6530	14.484				
1517-22-2	Phenanthrene-d10	11200	17.236				
1719-03-5	Chrysene-d12	9480	21.411				
1520-96-3	Perylene-d12	9340	23.742				

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\BN091825\
Data File : BN037797.D
Acq On : 19 Sep 2025 04:00
Operator : RC/JU
Sample : Q3095-29
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE122D2-20250910

Quant Time: Sep 19 04:36:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

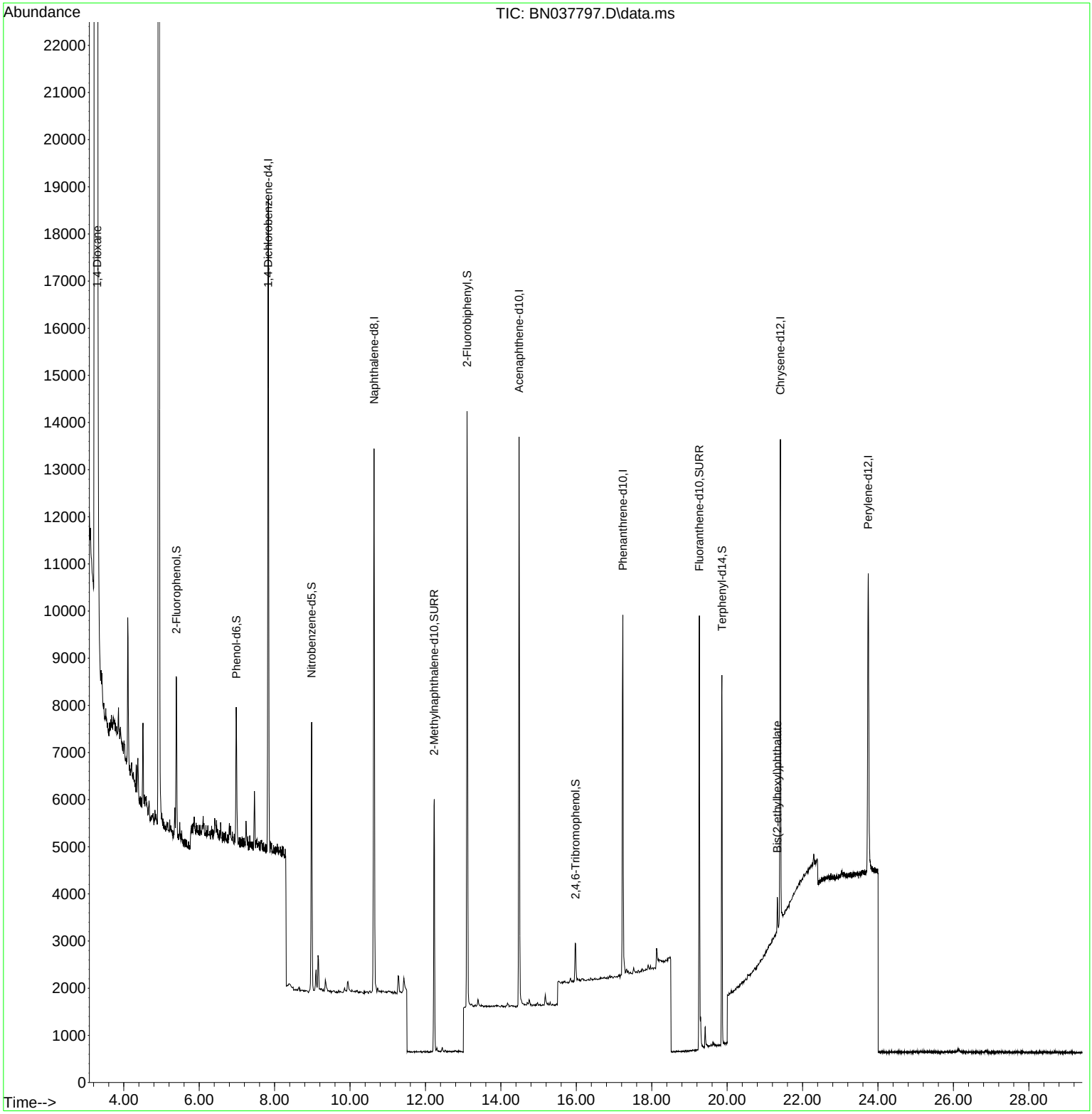
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.833	152	6378	0.400	ng	0.00
7) Naphthalene-d8	10.637	136	15422	0.400	ng	-0.01
13) Acenaphthene-d10	14.484	164	6530	0.400	ng	-0.01
19) Phenanthrene-d10	17.236	188	11243	0.400	ng	# 0.00
29) Chrysene-d12	21.411	240	9477	0.400	ng	0.00
35) Perylene-d12	23.742	264	9344	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.399	112	2888	0.197	ng	0.00
5) Phenol-d6	6.988	99	2589	0.136	ng	0.00
8) Nitrobenzene-d5	8.982	82	4432	0.393	ng	-0.01
11) 2-Methylnaphthalene-d10	12.233	152	7126	0.349	ng	-0.01
14) 2,4,6-Tribromophenol	15.982	330	620	0.364	ng	0.00
15) 2-Fluorobiphenyl	13.105	172	11049	0.405	ng	-0.01
27) Fluoranthene-d10	19.262	212	10127	0.359	ng	0.00
31) Terphenyl-d14	19.861	244	7545	0.392	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.297	88	24520	3.691	ng	95
34) Bis(2-ethylhexyl)phtha...	21.331	149	849	0.087	ng	# 96

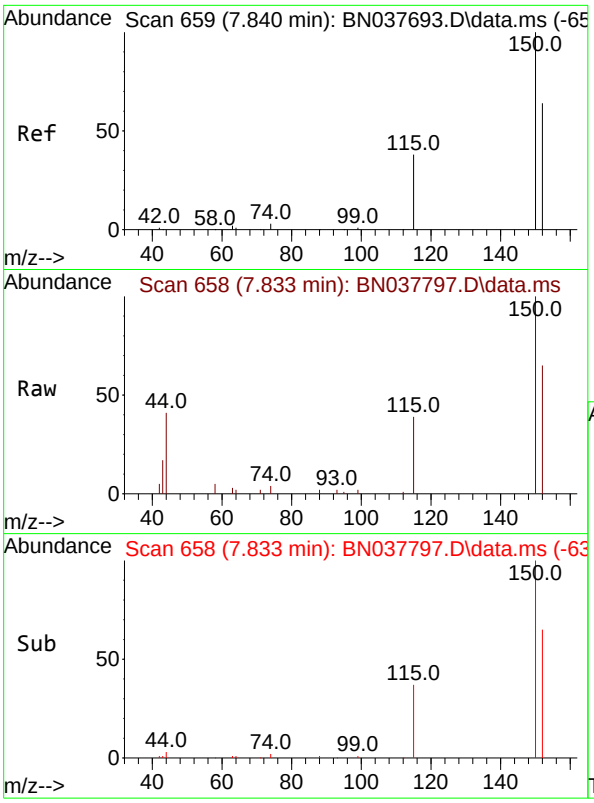
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091825\
Data File : BN037797.D
Acq On : 19 Sep 2025 04:00
Operator : RC/JU
Sample : Q3095-29
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE122D2-20250910

Quant Time: Sep 19 04:36:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration



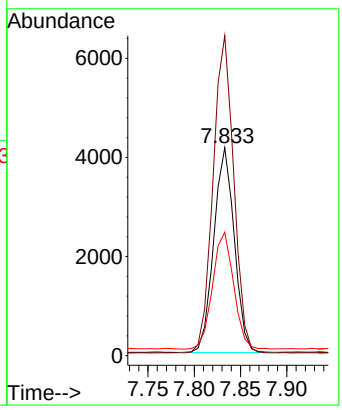


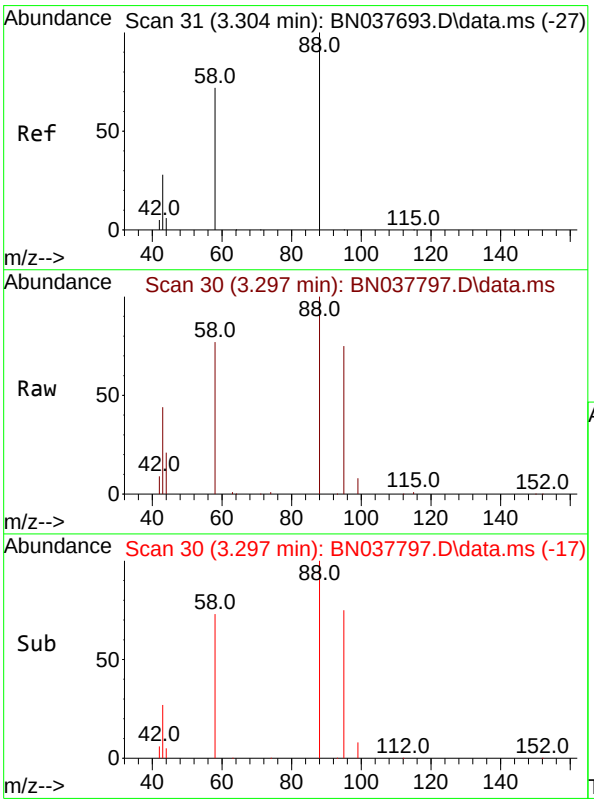
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.833 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN037797.D
Acq: 19 Sep 2025 04:00

Instrument :
BNA_N
ClientSampleId :
RE122D2-20250910

Tgt Ion:152 Resp: 6378

Ion	Ratio	Lower	Upper
152	100		
150	153.8	124.5	186.7
115	59.4	49.2	73.8

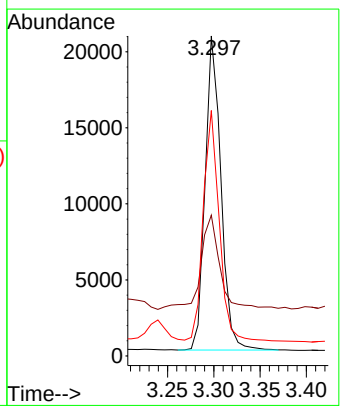


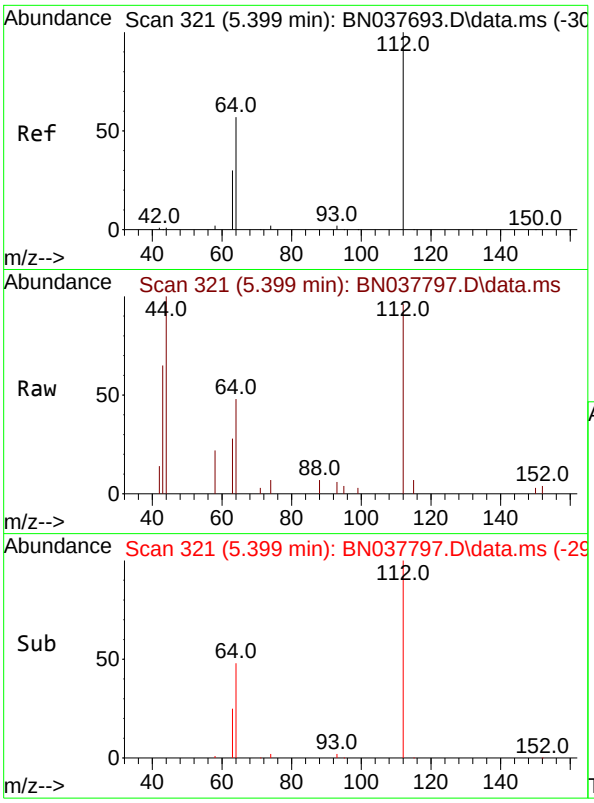


#2
1,4-Dioxane
Concen: 3.691 ng
RT: 3.297 min Scan# 30
Delta R.T. -0.007 min
Lab File: BN037797.D
Acq: 19 Sep 2025 04:00

Tgt Ion: 88 Resp: 24520

Ion	Ratio	Lower	Upper
88	100		
43	36.5	26.8	40.2
58	73.3	61.9	92.9



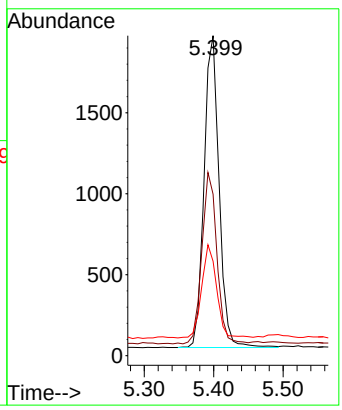


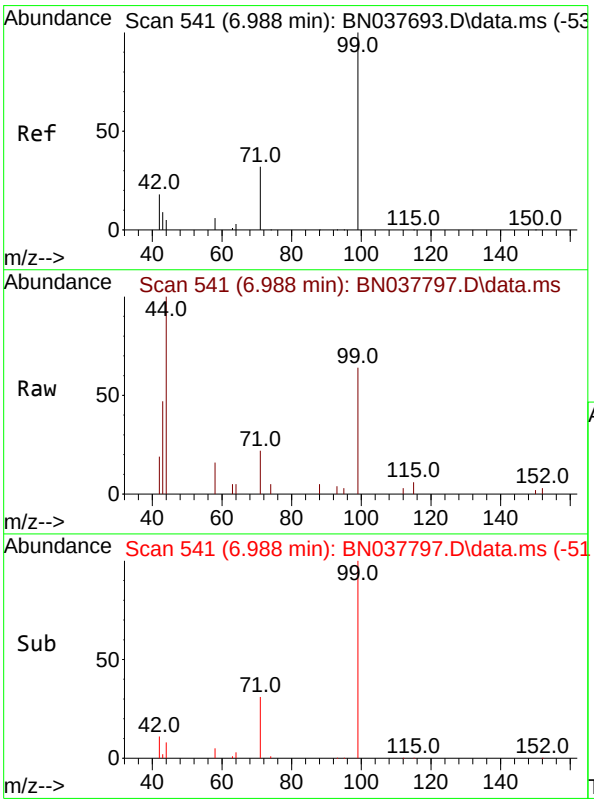
#4
2-Fluorophenol
Concen: 0.197 ng
RT: 5.399 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN037797.D
Acq: 19 Sep 2025 04:00

Instrument :
BNA_N
ClientSampleId :
RE122D2-20250910

Tgt Ion:112 Resp: 2888

Ion	Ratio	Lower	Upper
112	100		
64	55.1	44.9	67.3
63	30.0	24.7	37.1

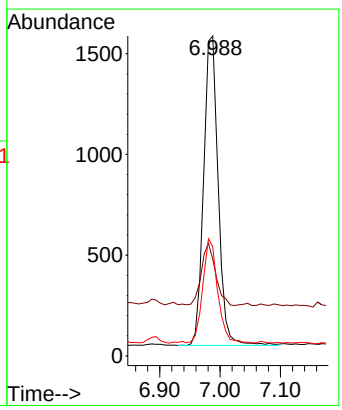


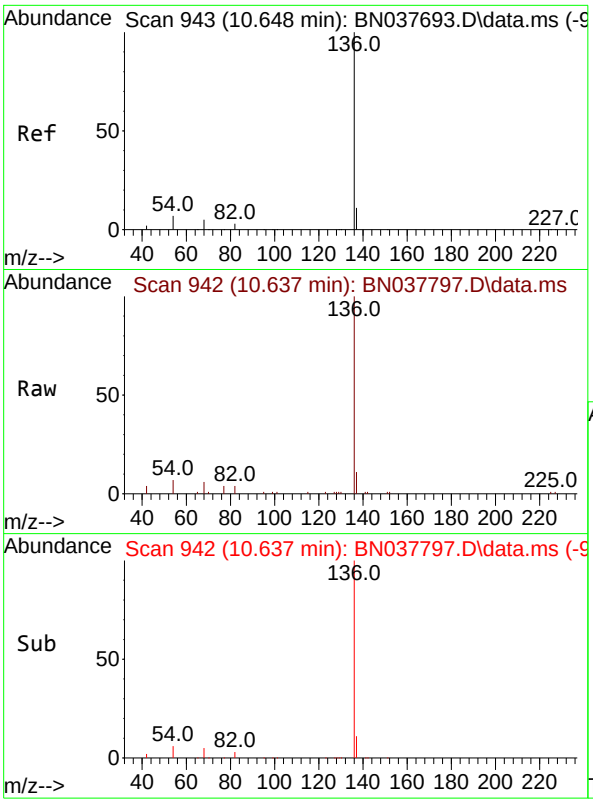


#5
Phenol-d6
Concen: 0.136 ng
RT: 6.988 min Scan# 541
Delta R.T. 0.000 min
Lab File: BN037797.D
Acq: 19 Sep 2025 04:00

Tgt Ion: 99 Resp: 2589

Ion	Ratio	Lower	Upper
99	100		
42	19.5	16.6	24.8
71	34.9	26.7	40.1



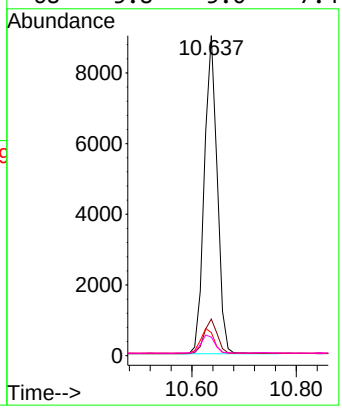


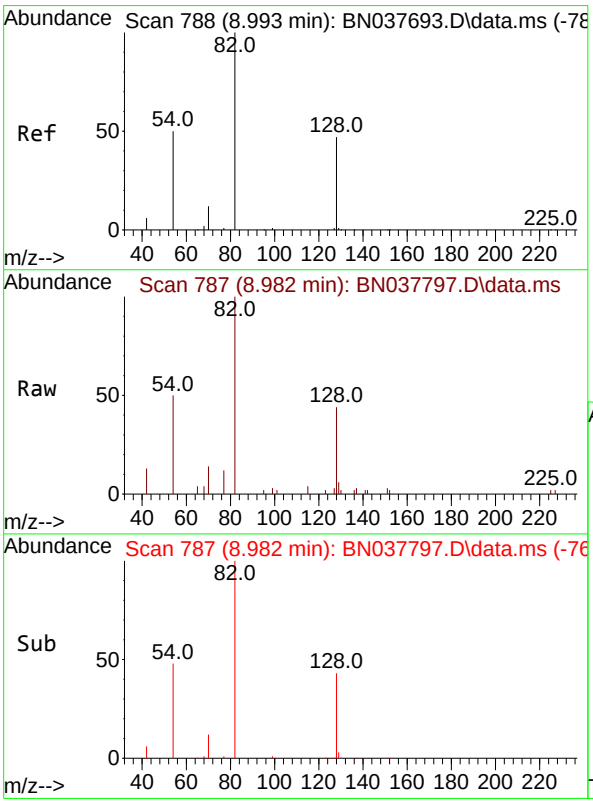
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.637 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037797.D
Acq: 19 Sep 2025 04:00

Instrument :
BNA_N
ClientSampleId :
RE122D2-20250910

Tgt Ion:136 Resp: 15422

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.1	13.7
54	7.2	6.3	9.5
68	5.8	5.0	7.4

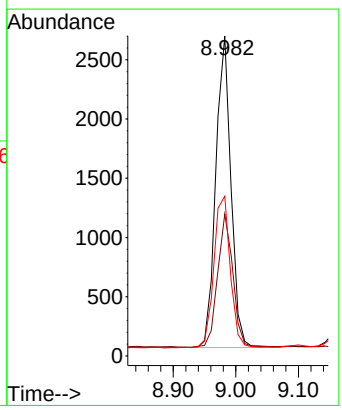


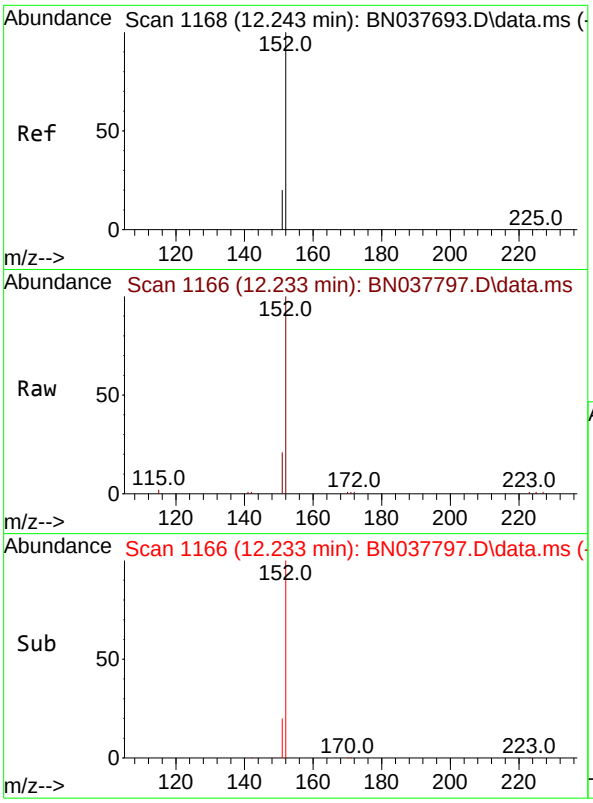


#8
Nitrobenzene-d5
Concen: 0.393 ng
RT: 8.982 min Scan# 787
Delta R.T. -0.011 min
Lab File: BN037797.D
Acq: 19 Sep 2025 04:00

Tgt Ion: 82 Resp: 4432

Ion	Ratio	Lower	Upper
82	100		
128	44.4	38.3	57.5
54	49.9	41.4	62.2



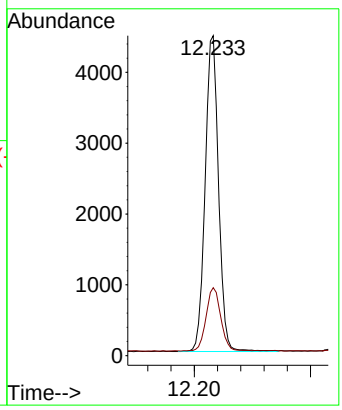


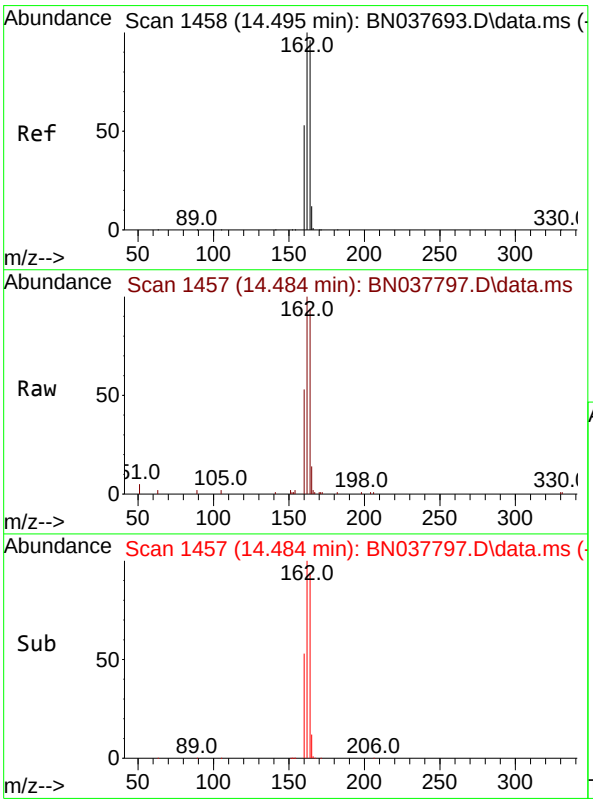
#11
2-Methylnaphthalene-d10
Concen: 0.349 ng
RT: 12.233 min Scan# 11
Delta R.T. -0.010 min
Lab File: BN037797.D
Acq: 19 Sep 2025 04:00

Instrument :
BNA_N
ClientSampleId :
RE122D2-20250910

Tgt Ion:152 Resp: 7126

Ion	Ratio	Lower	Upper
152	100		
151	22.1	17.0	25.6

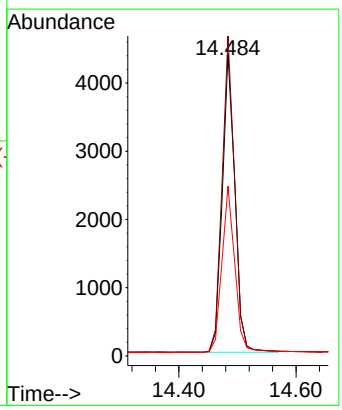


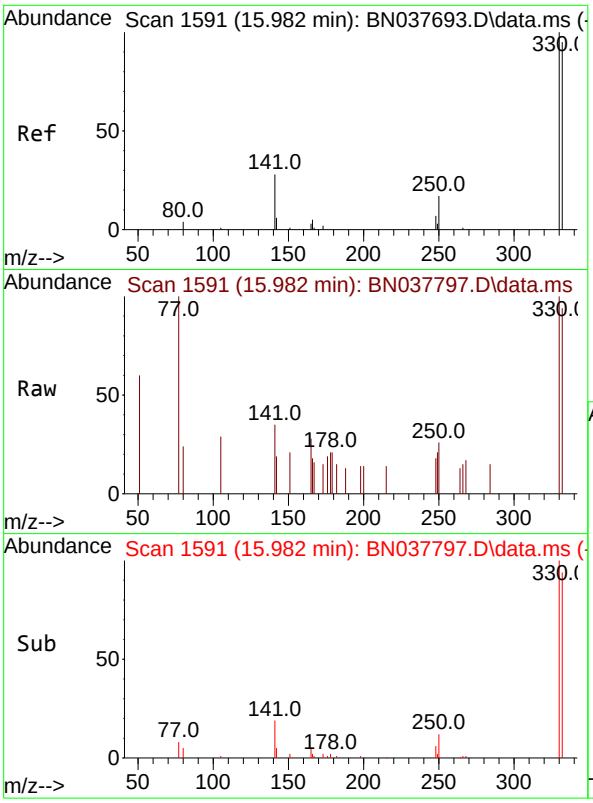


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.484 min Scan# 1457
Delta R.T. -0.011 min
Lab File: BN037797.D
Acq: 19 Sep 2025 04:00

Tgt Ion:164 Resp: 6530

Ion	Ratio	Lower	Upper
164	100		
162	105.9	83.1	124.7
160	56.2	44.3	66.5



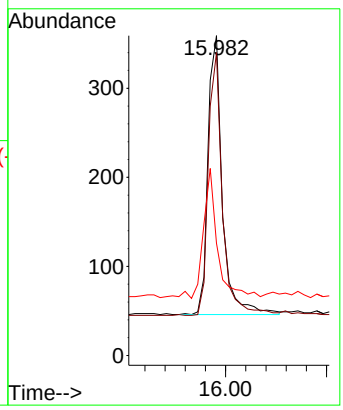


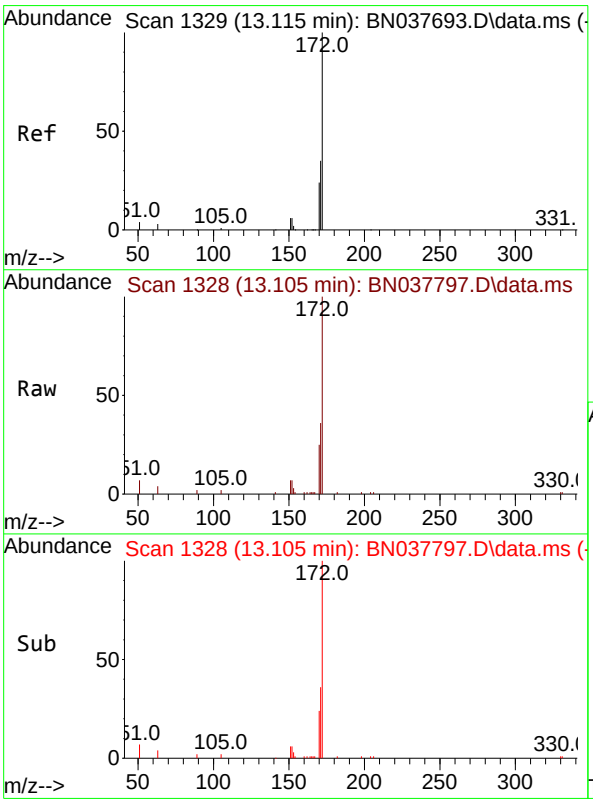
#14
2,4,6-Tribromophenol
Concen: 0.364 ng
RT: 15.982 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037797.D
Acq: 19 Sep 2025 04:00

Instrument :
BNA_N
ClientSampleId :
RE122D2-20250910

Tgt Ion:330 Resp: 620

Ion	Ratio	Lower	Upper
330	100		
332	92.6	75.3	112.9
141	43.1	35.0	52.4

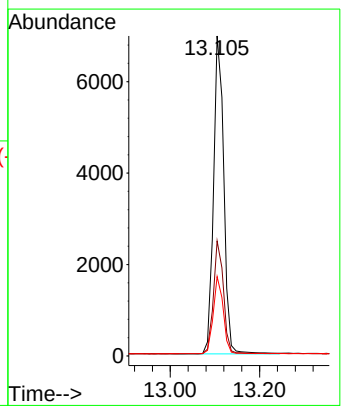


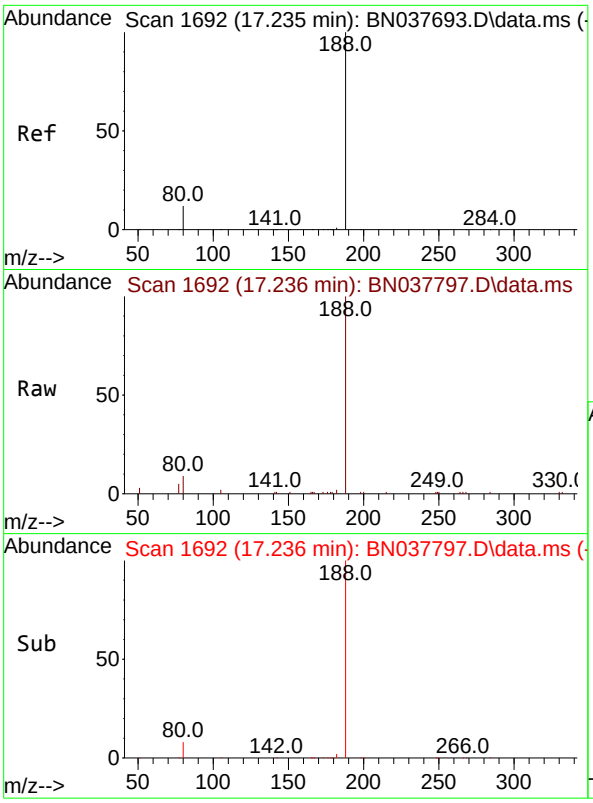


#15
2-Fluorobiphenyl
Concen: 0.405 ng
RT: 13.105 min Scan# 1328
Delta R.T. -0.011 min
Lab File: BN037797.D
Acq: 19 Sep 2025 04:00

Tgt Ion:172 Resp: 11049

Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.6	43.0
170	24.8	19.8	29.8



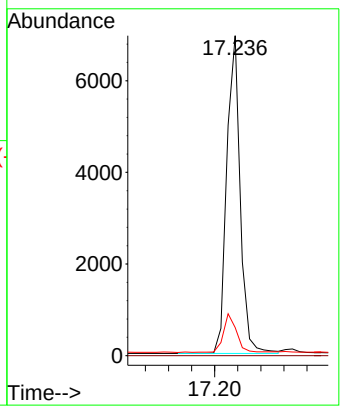


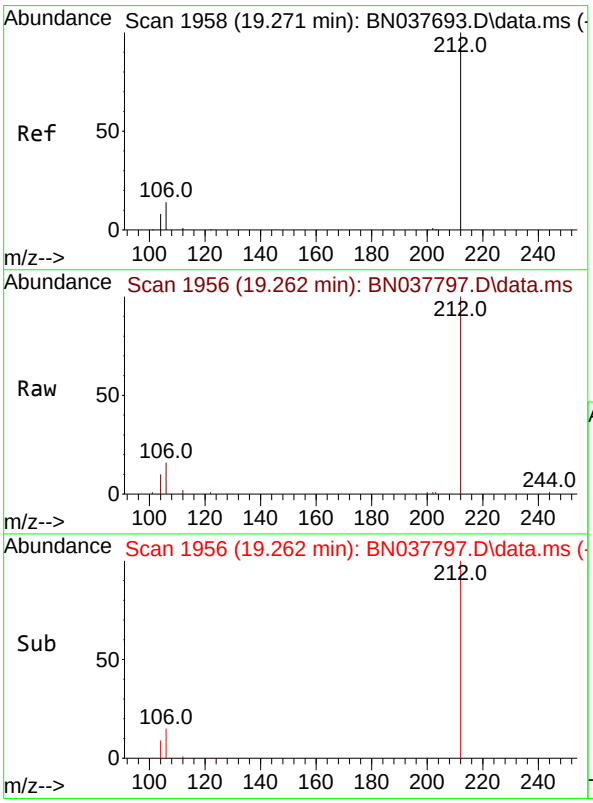
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.236 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN037797.D
Acq: 19 Sep 2025 04:00

Instrument :
BNA_N
ClientSampleId :
RE122D2-20250910

Tgt Ion:188 Resp: 11243

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.8	10.6	15.8#

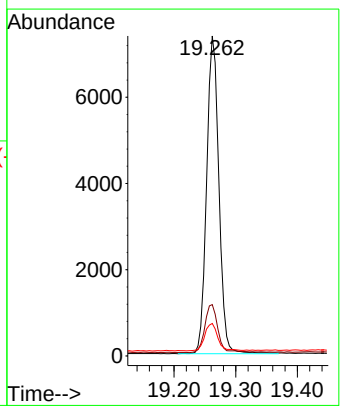


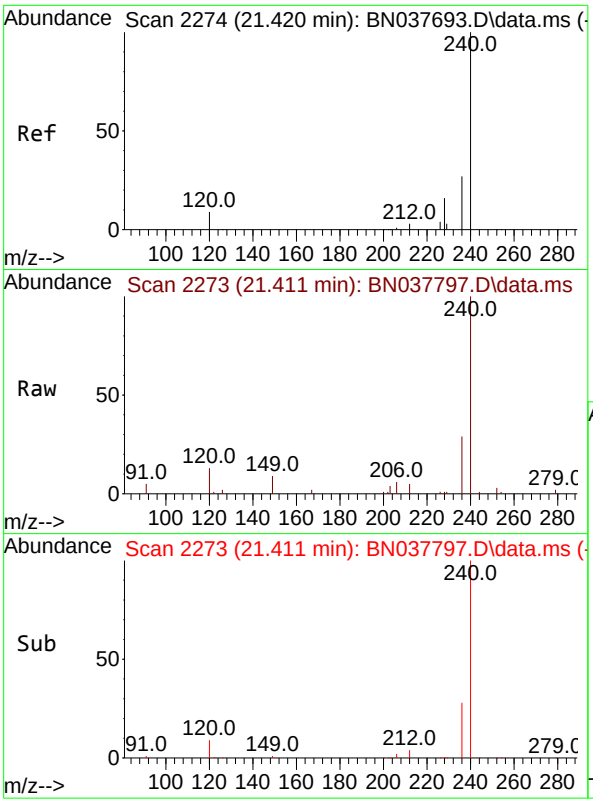


#27
Fluoranthene-d10
Concen: 0.359 ng
RT: 19.262 min Scan# 1956
Delta R.T. -0.009 min
Lab File: BN037797.D
Acq: 19 Sep 2025 04:00

Tgt Ion:212 Resp: 10127

Ion	Ratio	Lower	Upper
212	100		
106	16.2	12.2	18.2
104	9.2	6.9	10.3



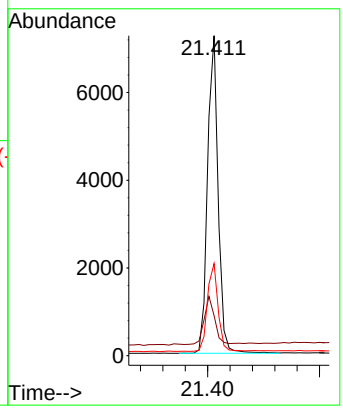


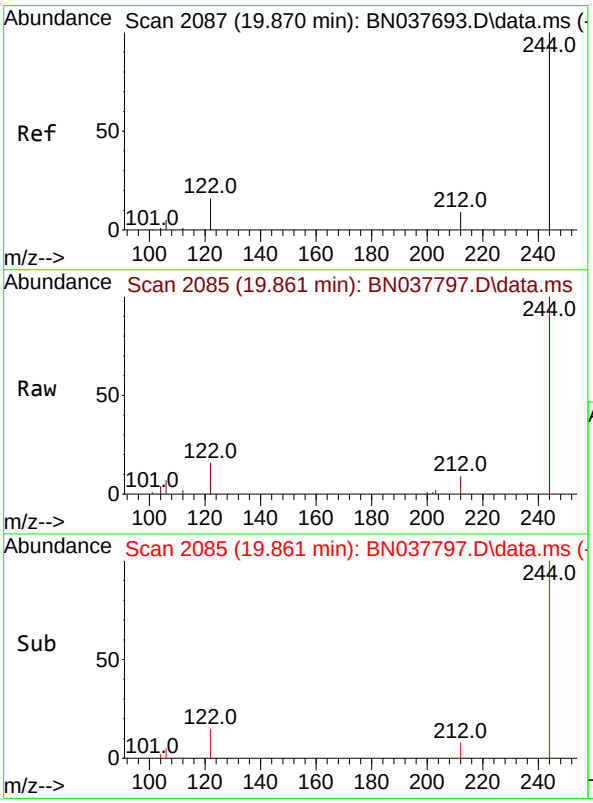
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.411 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037797.D
Acq: 19 Sep 2025 04:00

Instrument :
BNA_N
ClientSampleId :
RE122D2-20250910

Tgt Ion:240 Resp: 9477

Ion	Ratio	Lower	Upper
240	100		
120	12.5	9.2	13.8
236	28.8	22.6	33.8

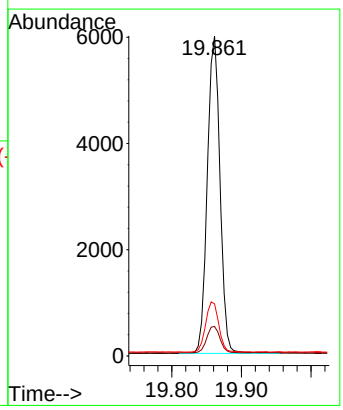


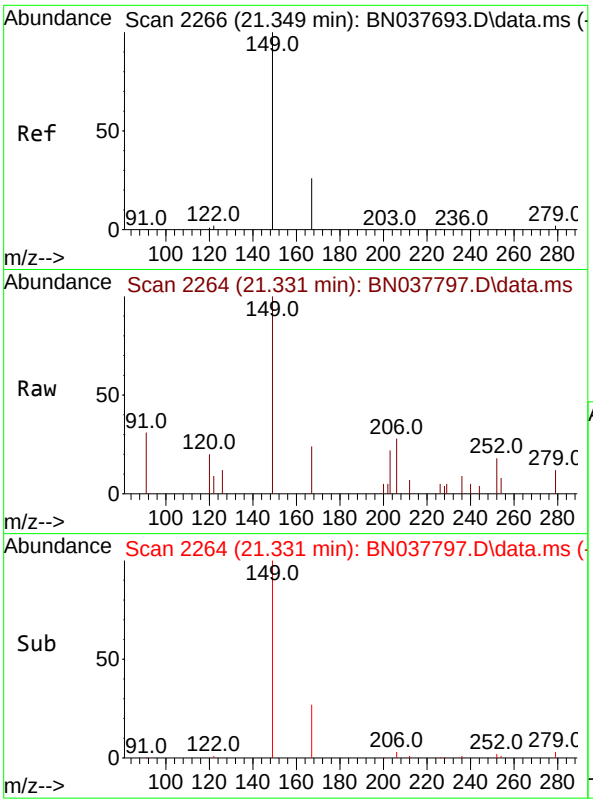


#31
Terphenyl-d14
Concen: 0.392 ng
RT: 19.861 min Scan# 2085
Delta R.T. -0.009 min
Lab File: BN037797.D
Acq: 19 Sep 2025 04:00

Tgt Ion:244 Resp: 7545

Ion	Ratio	Lower	Upper
244	100		
212	9.2	7.5	11.3
122	16.3	13.2	19.8



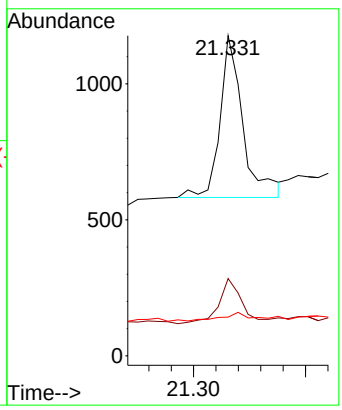


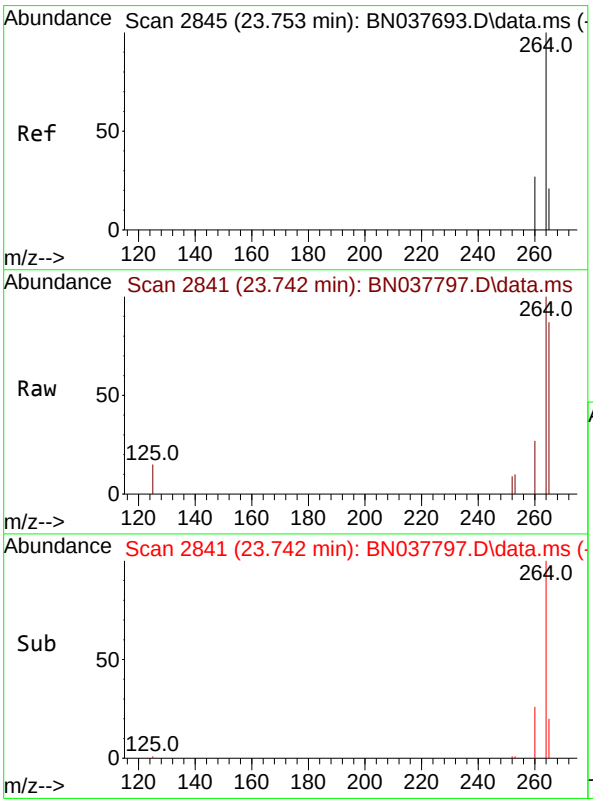
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.087 ng
RT: 21.331 min Scan# 2
Delta R.T. -0.018 min
Lab File: BN037797.D
Acq: 19 Sep 2025 04:00

Instrument :
BNA_N
ClientSampleId :
RE122D2-20250910

Tgt Ion:149 Resp: 849

Ion	Ratio	Lower	Upper
149	100		
167	28.0	20.8	31.2
279	6.6	3.3	4.9#

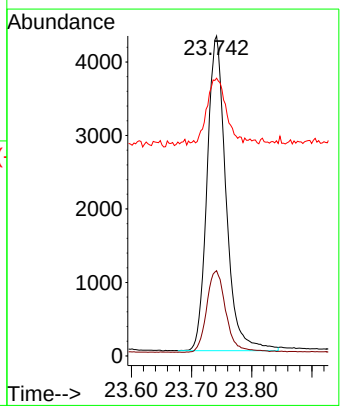




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.742 min Scan# 2841
Delta R.T. -0.012 min
Lab File: BN037797.D
Acq: 19 Sep 2025 04:00

Tgt Ion:264 Resp: 9344

Ion	Ratio	Lower	Upper
264	100		
260	26.7	21.8	32.8
265	86.8	39.4	59.2#



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:	09/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	RE104D1-20250910	SDG No.:	Q3095
Lab Sample ID:	Q3095-30	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
BN037798.D	1	09/15/25 12:00	09/19/25 04:37	PB169693

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	3.00		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	0.37		30 - 150		91%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.37		55 - 111		92%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.37		53 - 106		93%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.38		58 - 132		95%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6790	7.833				
1146-65-2	Naphthalene-d8	16400	10.637				
15067-26-2	Acenaphthene-d10	7130	14.484				
1517-22-2	Phenanthrene-d10	12500	17.235				
1719-03-5	Chrysene-d12	10400	21.411				
1520-96-3	Perylene-d12	10200	23.741				

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\BN091825\
Data File : BN037798.D
Acq On : 19 Sep 2025 04:37
Operator : RC/JU
Sample : Q3095-30
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE104D1-20250910

Quant Time: Sep 19 07:42:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

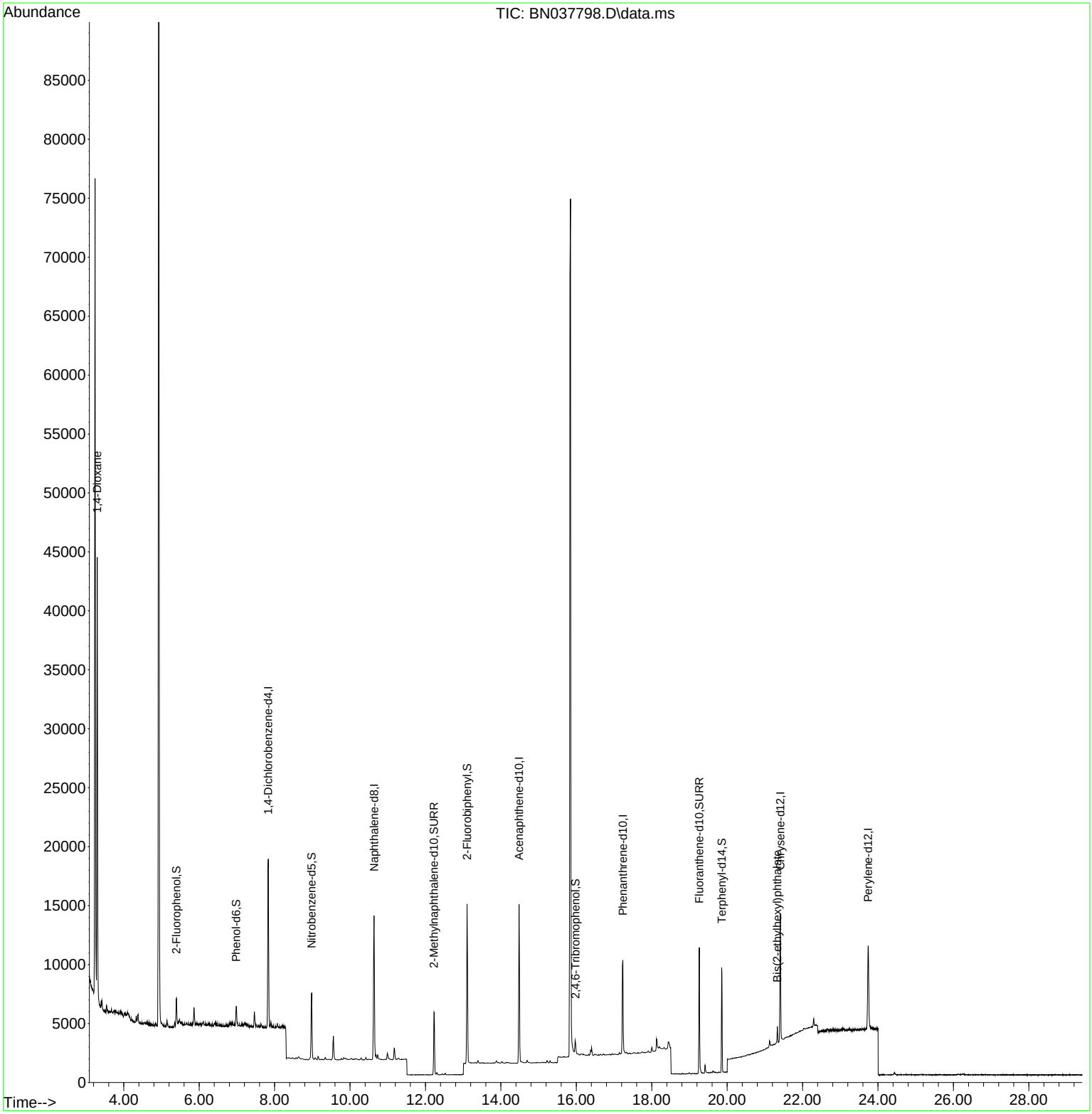
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.833	152	6794	0.400	ng	0.00
7) Naphthalene-d8	10.637	136	16429	0.400	ng	-0.01
13) Acenaphthene-d10	14.484	164	7128	0.400	ng	-0.01
19) Phenanthrene-d10	17.235	188	12460	0.400	ng	# 0.00
29) Chrysene-d12	21.411	240	10431	0.400	ng	0.00
35) Perylene-d12	23.741	264	10216	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.399	112	1990	0.128	ng	0.00
5) Phenol-d6	6.980	99	1546	0.076	ng	0.00
8) Nitrobenzene-d5	8.982	82	4432	0.369	ng	-0.01
11) 2-Methylnaphthalene-d10	12.227	152	7188	0.330	ng	-0.02
14) 2,4,6-Tribromophenol	15.982	330	711	0.382	ng	0.00
15) 2-Fluorobiphenyl	13.105	172	11119	0.373	ng	-0.01
27) Fluoranthene-d10	19.262	212	11430	0.365	ng	0.00
31) Terphenyl-d14	19.856	244	8081	0.382	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.297	88	21323	3.013	ng	95
34) Bis(2-ethylhexyl)phtha...	21.330	149	1275	0.118	ng	98

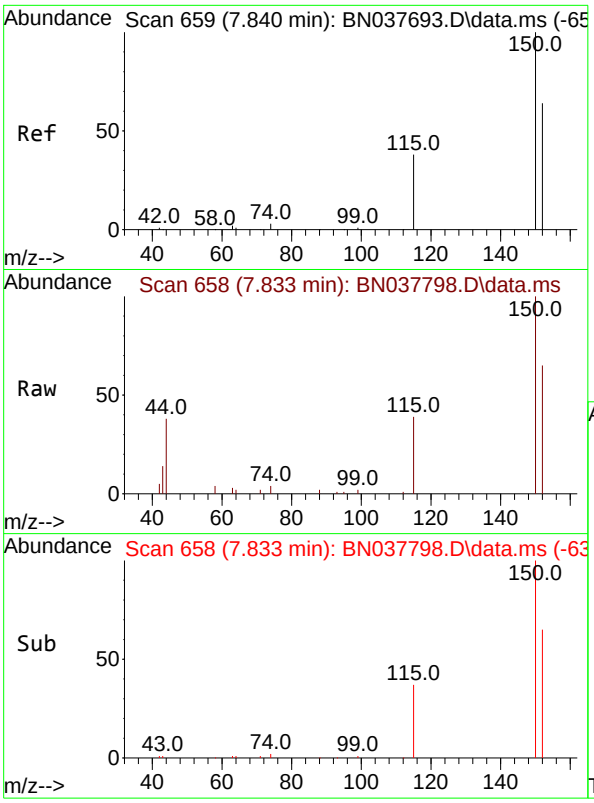
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091825\
Data File : BN037798.D
Acq On : 19 Sep 2025 04:37
Operator : RC/JU
Sample : Q3095-30
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE104D1-20250910

Quant Time: Sep 19 07:42:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration



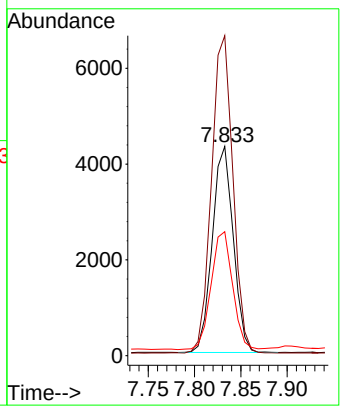


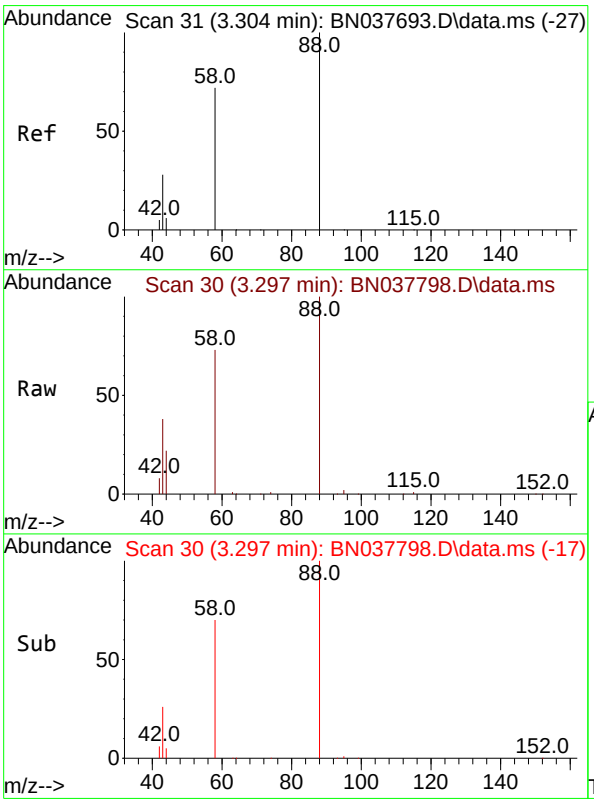
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.833 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN037798.D
Acq: 19 Sep 2025 04:37

Instrument :
BNA_N
ClientSampleId :
RE104D1-20250910

Tgt Ion:152 Resp: 6794

Ion	Ratio	Lower	Upper
152	100		
150	153.0	124.5	186.7
115	59.2	49.2	73.8

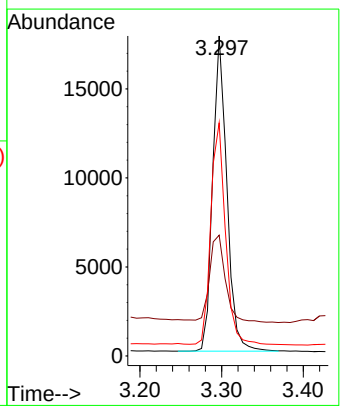


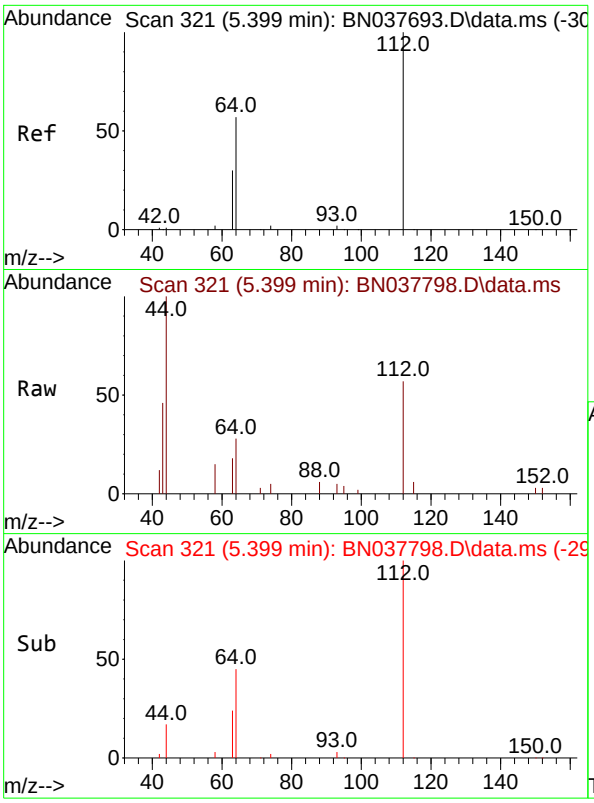


#2
1,4-Dioxane
Concen: 3.013 ng
RT: 3.297 min Scan# 30
Delta R.T. -0.007 min
Lab File: BN037798.D
Acq: 19 Sep 2025 04:37

Tgt Ion: 88 Resp: 21323

Ion	Ratio	Lower	Upper
88	100		
43	31.2	26.8	40.2
58	72.7	61.9	92.9



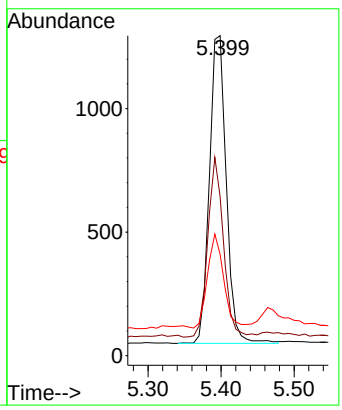


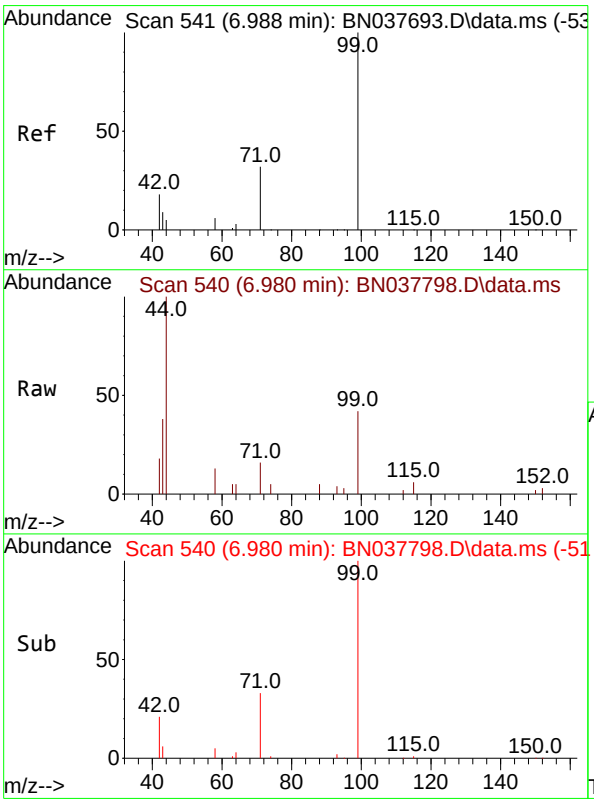
#4
2-Fluorophenol
Concen: 0.128 ng
RT: 5.399 min Scan# 3
Delta R.T. -0.000 min
Lab File: BN037798.D
Acq: 19 Sep 2025 04:37

Instrument :
BNA_N
ClientSampleId :
RE104D1-20250910

Tgt Ion:112 Resp: 1990

Ion	Ratio	Lower	Upper
112	100		
64	54.6	44.9	67.3
63	29.3	24.7	37.1

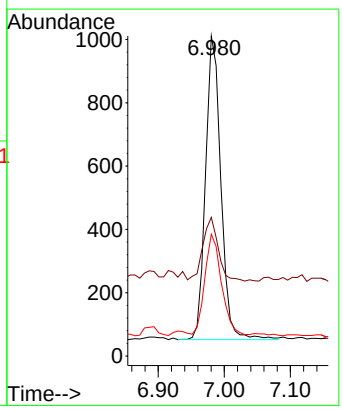


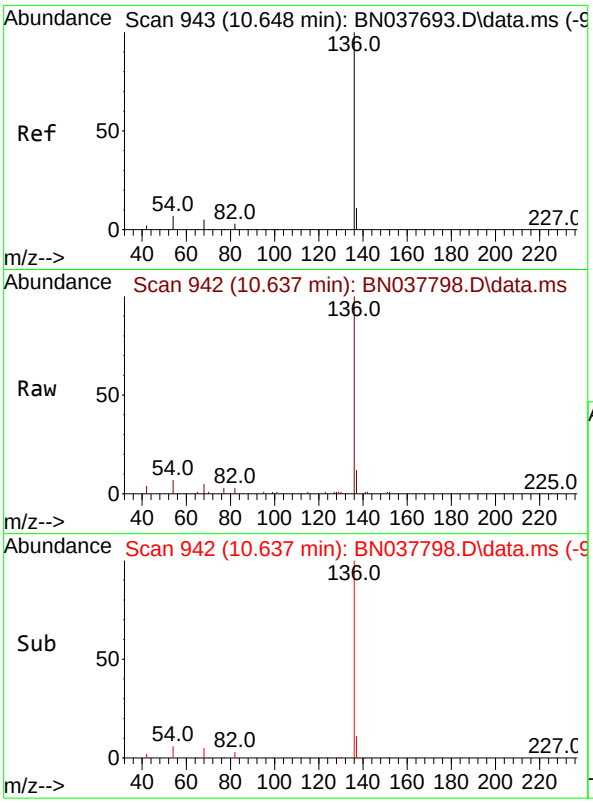


#5
Phenol-d6
Concen: 0.076 ng
RT: 6.980 min Scan# 540
Delta R.T. -0.007 min
Lab File: BN037798.D
Acq: 19 Sep 2025 04:37

Tgt Ion: 99 Resp: 1546

Ion	Ratio	Lower	Upper
99	100		
42	20.5	16.6	24.8
71	36.7	26.7	40.1



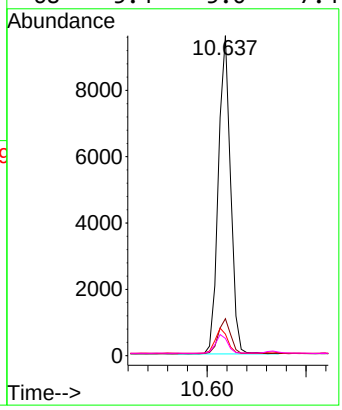


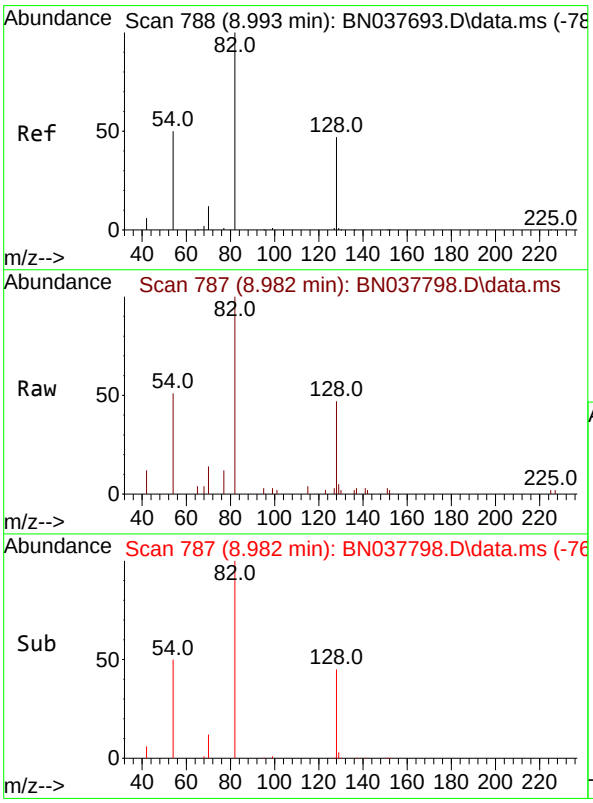
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.637 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037798.D
Acq: 19 Sep 2025 04:37

Instrument :
BNA_N
ClientSampleId :
RE104D1-20250910

Tgt Ion:136 Resp: 16429

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.1	13.7
54	6.8	6.3	9.5
68	5.4	5.0	7.4

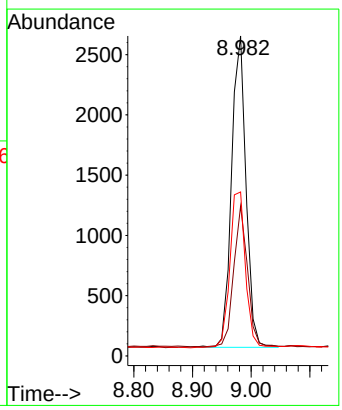


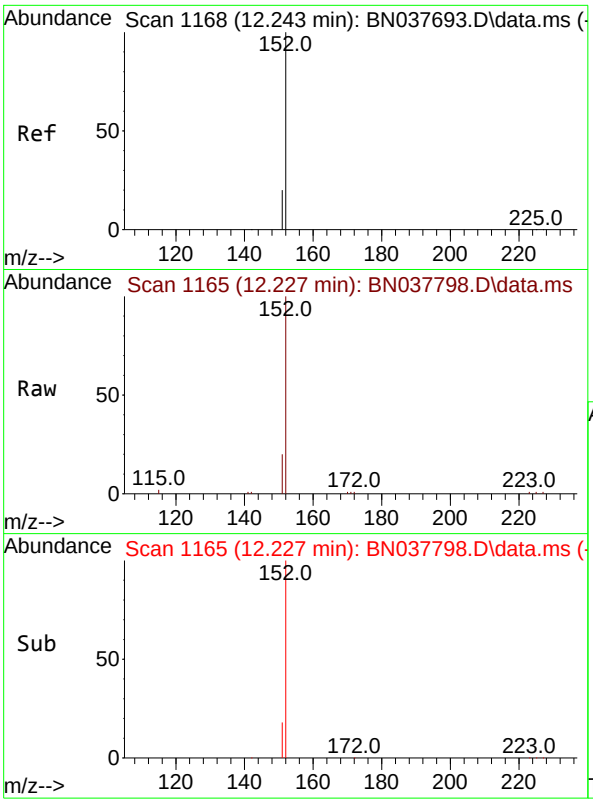


#8
Nitrobenzene-d5
Concen: 0.369 ng
RT: 8.982 min Scan# 787
Delta R.T. -0.011 min
Lab File: BN037798.D
Acq: 19 Sep 2025 04:37

Tgt Ion: 82 Resp: 4432

Ion	Ratio	Lower	Upper
82	100		
128	46.9	38.3	57.5
54	51.3	41.4	62.2



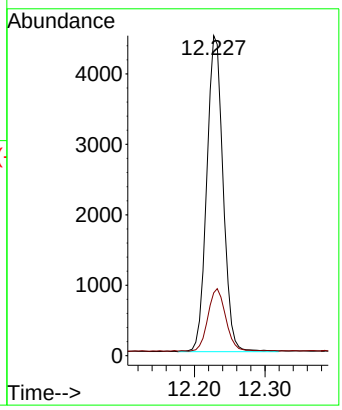


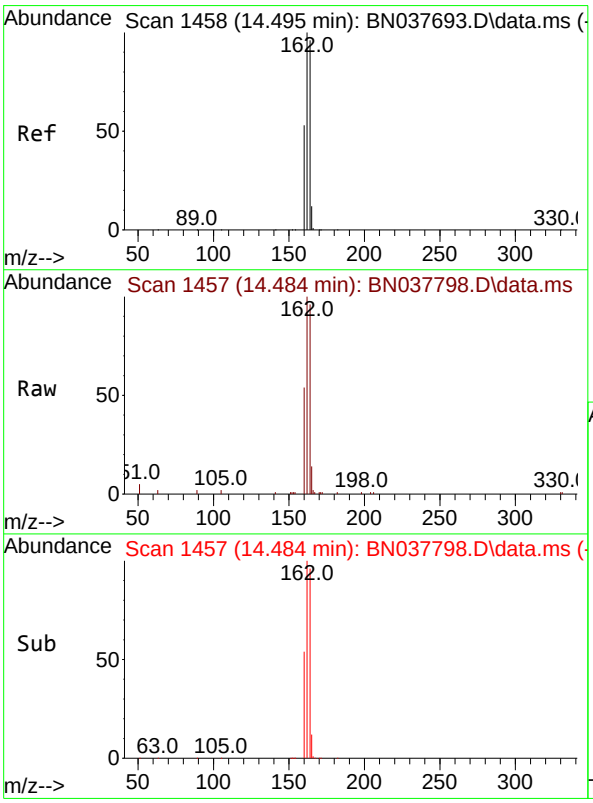
#11
2-Methylnaphthalene-d10
Concen: 0.330 ng
RT: 12.227 min Scan# 11
Delta R.T. -0.015 min
Lab File: BN037798.D
Acq: 19 Sep 2025 04:37

Instrument :
BNA_N
ClientSampleId :
RE104D1-20250910

Tgt Ion:152 Resp: 7188

Ion	Ratio	Lower	Upper
152	100		
151	21.5	17.0	25.6

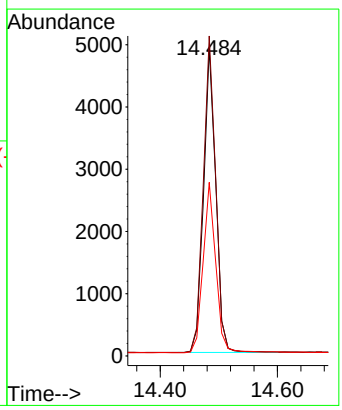


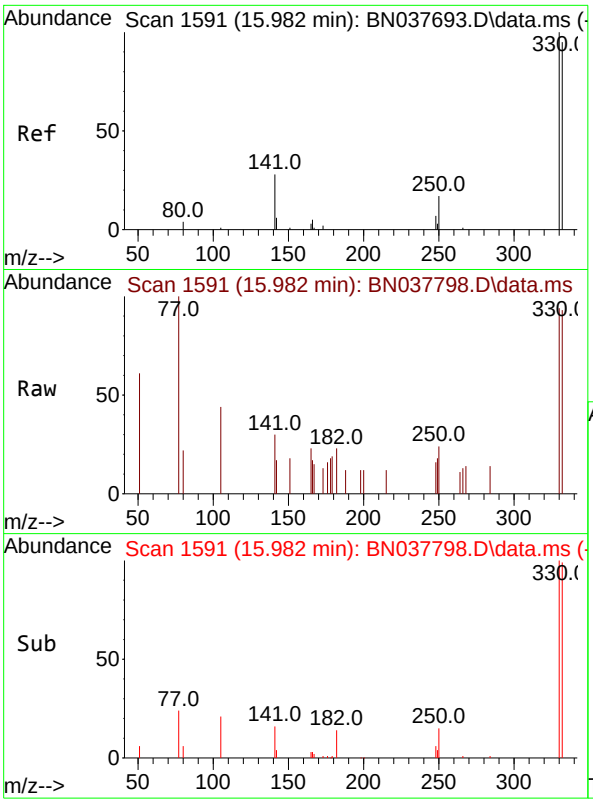


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.484 min Scan# 1457
Delta R.T. -0.011 min
Lab File: BN037798.D
Acq: 19 Sep 2025 04:37

Tgt Ion:164 Resp: 7128

Ion	Ratio	Lower	Upper
164	100		
162	103.8	83.1	124.7
160	56.3	44.3	66.5



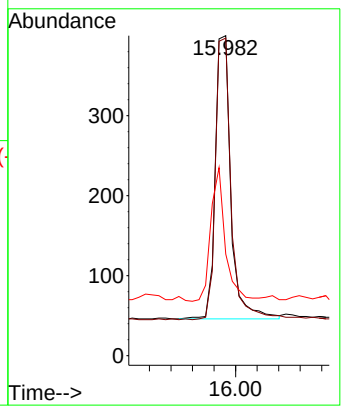


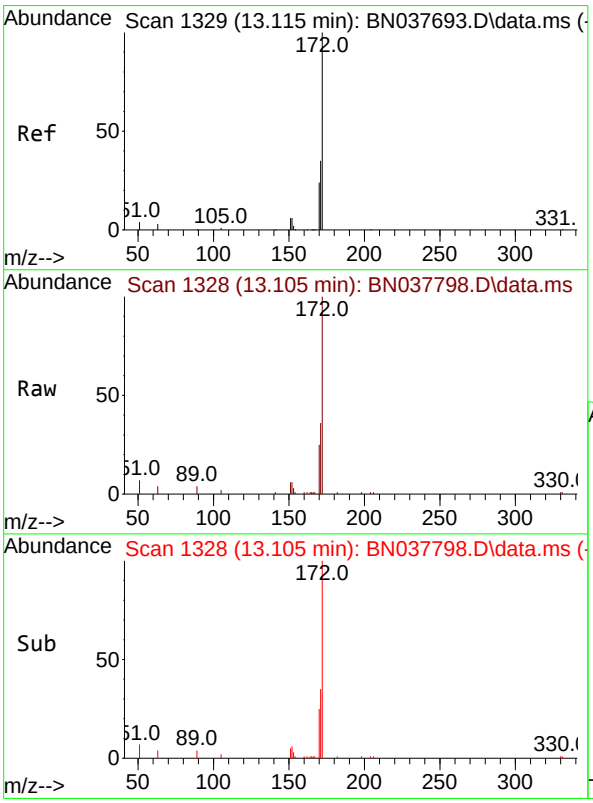
#14
2,4,6-Tribromophenol
Concen: 0.382 ng
RT: 15.982 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037798.D
Acq: 19 Sep 2025 04:37

Instrument :
BNA_N
ClientSampleId :
RE104D1-20250910

Tgt Ion:330 Resp: 711

Ion	Ratio	Lower	Upper
330	100		
332	100.6	75.3	112.9
141	43.7	35.0	52.4

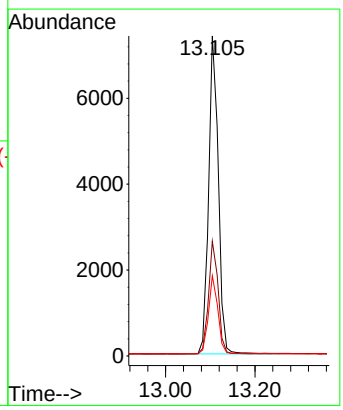


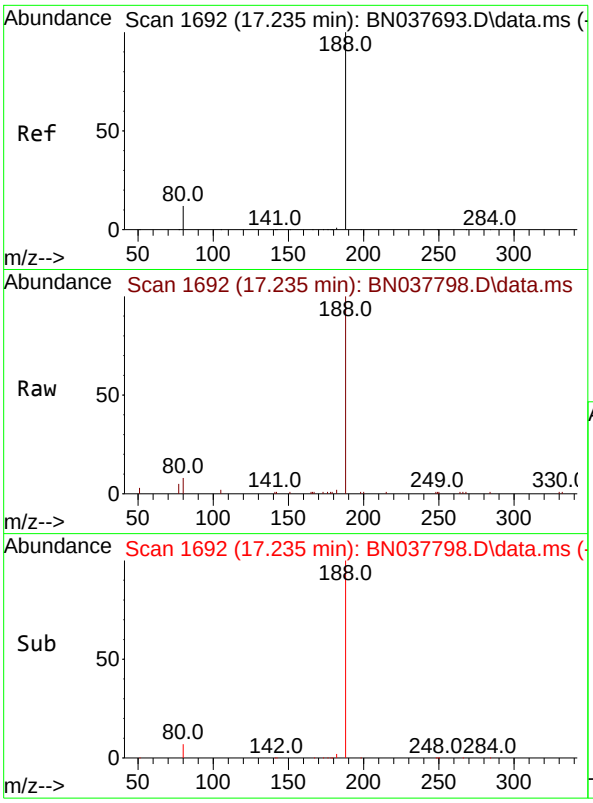


#15
2-Fluorobiphenyl
Concen: 0.373 ng
RT: 13.105 min Scan# 1328
Delta R.T. -0.011 min
Lab File: BN037798.D
Acq: 19 Sep 2025 04:37

Tgt Ion:172 Resp: 11119

Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.6	43.0
170	25.1	19.8	29.8



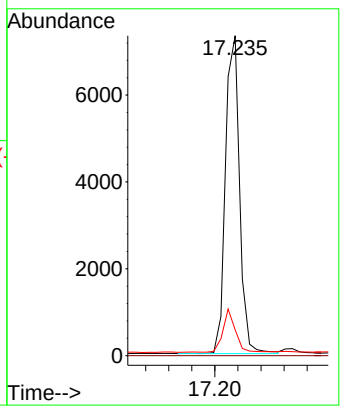


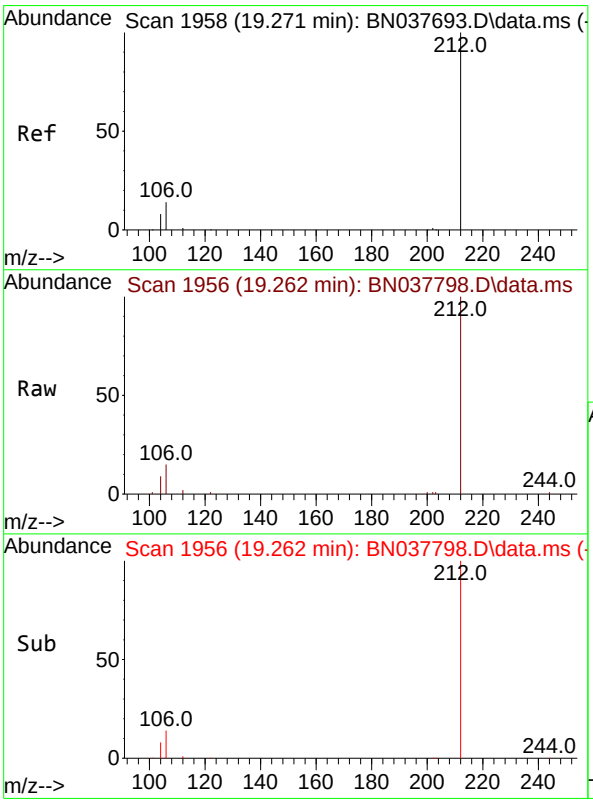
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.235 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037798.D
Acq: 19 Sep 2025 04:37

Instrument :
BNA_N
ClientSampleId :
RE104D1-20250910

Tgt Ion:188 Resp: 12460

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.1	10.6	15.8#

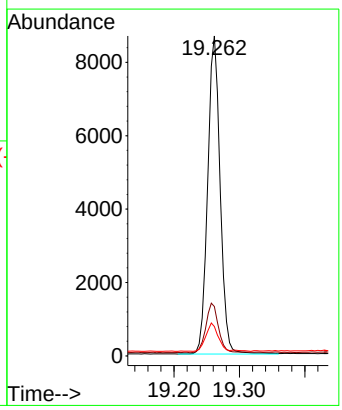


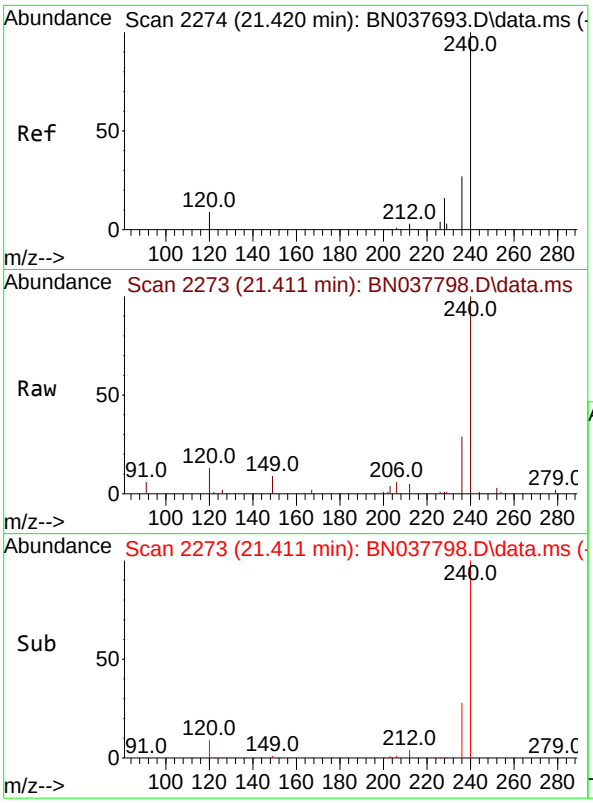


#27
Fluoranthene-d10
Concen: 0.365 ng
RT: 19.262 min Scan# 1956
Delta R.T. -0.010 min
Lab File: BN037798.D
Acq: 19 Sep 2025 04:37

Tgt Ion:212 Resp: 11430

Ion	Ratio	Lower	Upper
212	100		
106	15.9	12.2	18.2
104	9.0	6.9	10.3



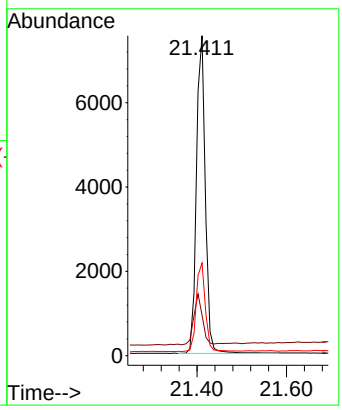


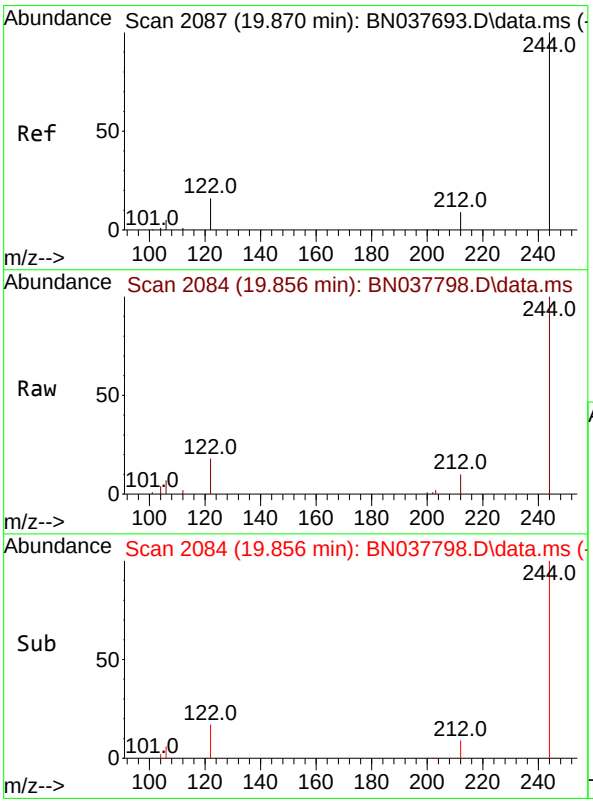
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.411 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037798.D
Acq: 19 Sep 2025 04:37

Instrument :
BNA_N
ClientSampleId :
RE104D1-20250910

Tgt Ion:240 Resp: 10431

Ion	Ratio	Lower	Upper
240	100		
120	12.6	9.2	13.8
236	29.0	22.6	33.8

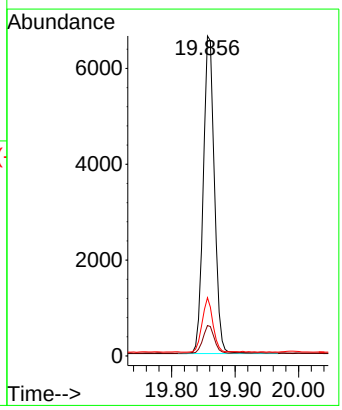


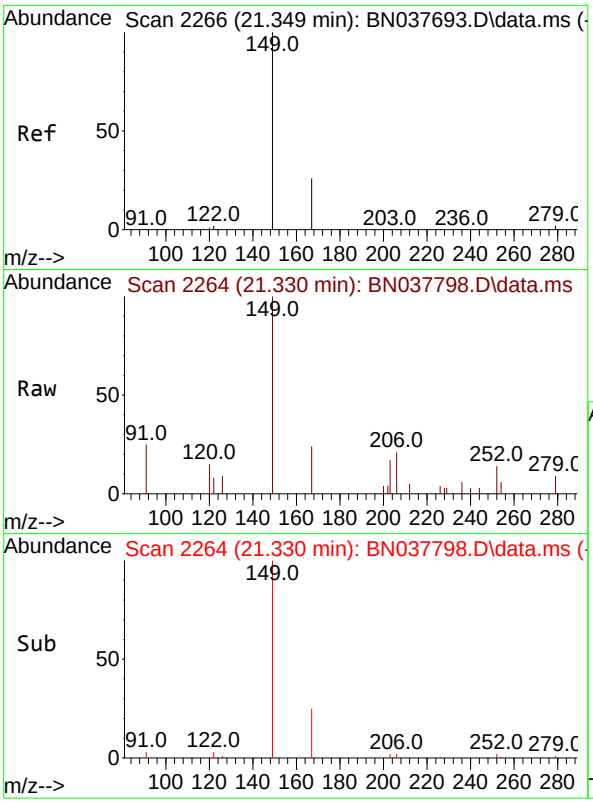


#31
Terphenyl-d14
Concen: 0.382 ng
RT: 19.856 min Scan# 2084
Delta R.T. -0.014 min
Lab File: BN037798.D
Acq: 19 Sep 2025 04:37

Tgt Ion:244 Resp: 8081

Ion	Ratio	Lower	Upper
244	100		
212	9.5	7.5	11.3
122	18.2	13.2	19.8



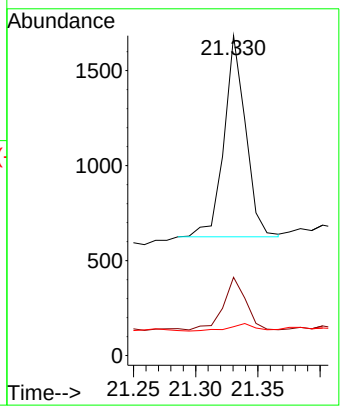


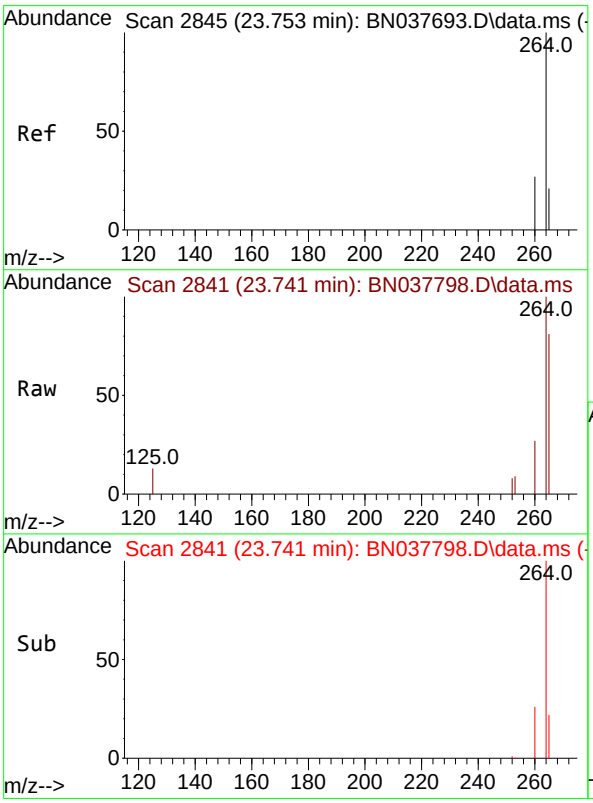
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.118 ng
RT: 21.330 min Scan# 2
Delta R.T. -0.018 min
Lab File: BN037798.D
Acq: 19 Sep 2025 04:37

Instrument :
BNA_N
ClientSampleId :
RE104D1-20250910

Tgt Ion:149 Resp: 1275

Ion	Ratio	Lower	Upper
149	100		
167	27.1	20.8	31.2
279	4.5	3.3	4.9

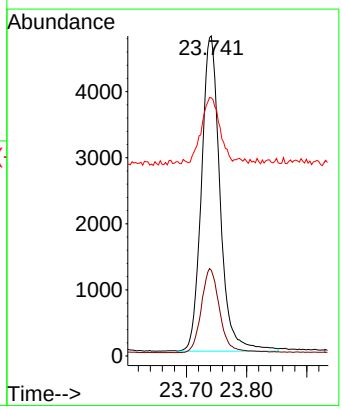




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.741 min Scan# 2841
Delta R.T. -0.012 min
Lab File: BN037798.D
Acq: 19 Sep 2025 04:37

Tgt Ion:264 Resp: 10216

Ion	Ratio	Lower	Upper
264	100		
260	26.8	21.8	32.8
265	80.6	39.4	59.2#



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:	09/11/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	TT180D-20250911	SDG No.:	Q3095
Lab Sample ID:	Q3095-31	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
BN037799.D	1	09/15/25 12:00	09/19/25 05:13	PB169693

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.11	J	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	0.36		30 - 150		91%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.39		55 - 111		97%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.39		53 - 106		97%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.39		58 - 132		97%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6960	7.833				
1146-65-2	Naphthalene-d8	16600	10.637				
15067-26-2	Acenaphthene-d10	7190	14.484				
1517-22-2	Phenanthrene-d10	12500	17.235				
1719-03-5	Chrysene-d12	10600	21.411				
1520-96-3	Perylene-d12	10300	23.741				

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\BN091825\
Data File : BN037799.D
Acq On : 19 Sep 2025 05:13
Operator : RC/JU
Sample : Q3095-31
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
TT180D-20250911

Quant Time: Sep 19 07:42:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

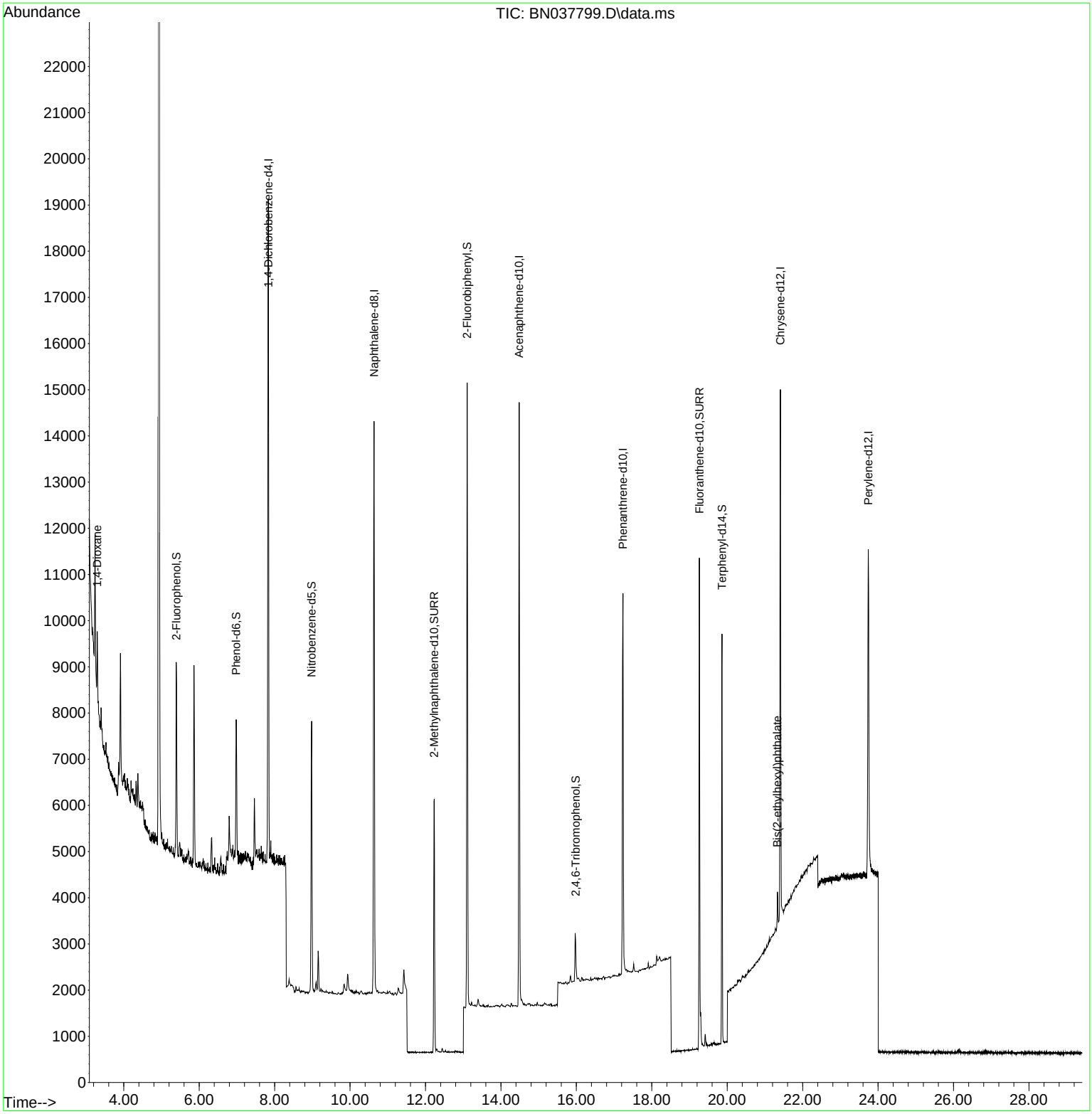
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.833	152	6964	0.400	ng	0.00
7) Naphthalene-d8	10.637	136	16642	0.400	ng	-0.01
13) Acenaphthene-d10	14.484	164	7189	0.400	ng	-0.01
19) Phenanthrene-d10	17.235	188	12481	0.400	ng	# 0.00
29) Chrysene-d12	21.411	240	10625	0.400	ng	0.00
35) Perylene-d12	23.741	264	10338	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.399	112	3349	0.209	ng	0.00
5) Phenol-d6	6.980	99	2838	0.137	ng	0.00
8) Nitrobenzene-d5	8.982	82	4713	0.387	ng	-0.01
11) 2-Methylnaphthalene-d10	12.227	152	7550	0.342	ng	-0.02
14) 2,4,6-Tribromophenol	15.982	330	752	0.401	ng	0.00
15) 2-Fluorobiphenyl	13.105	172	11713	0.390	ng	-0.01
27) Fluoranthene-d10	19.262	212	11399	0.364	ng	0.00
31) Terphenyl-d14	19.861	244	8383	0.389	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.297	88	788	0.109	ng	# 32
34) Bis(2-ethylhexyl)phtha...	21.331	149	816	0.074	ng	# 96

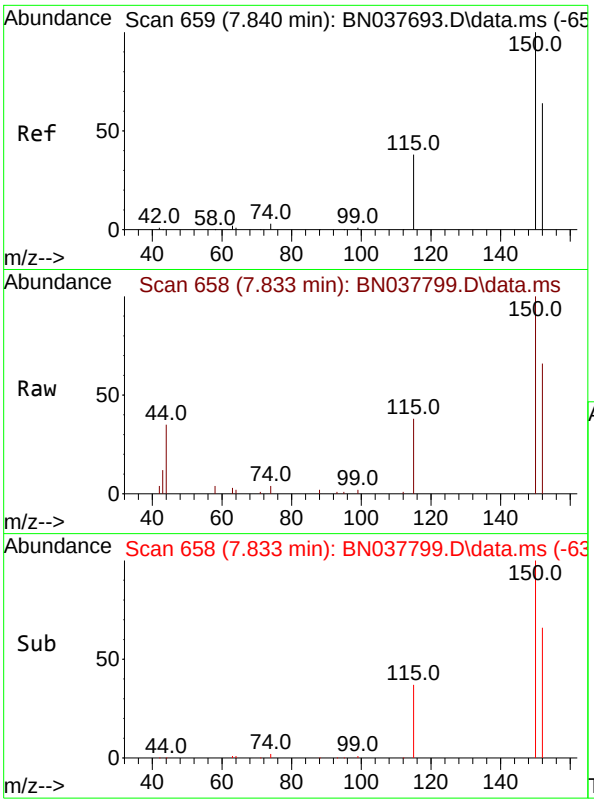
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091825\
Data File : BN037799.D
Acq On : 19 Sep 2025 05:13
Operator : RC/JU
Sample : Q3095-31
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
TT180D-20250911

Quant Time: Sep 19 07:42:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration



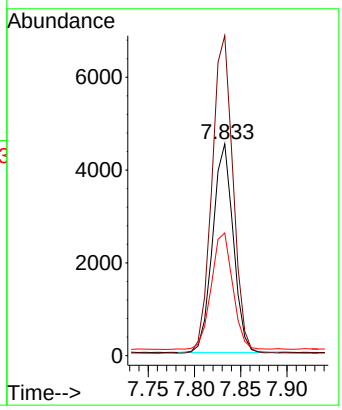


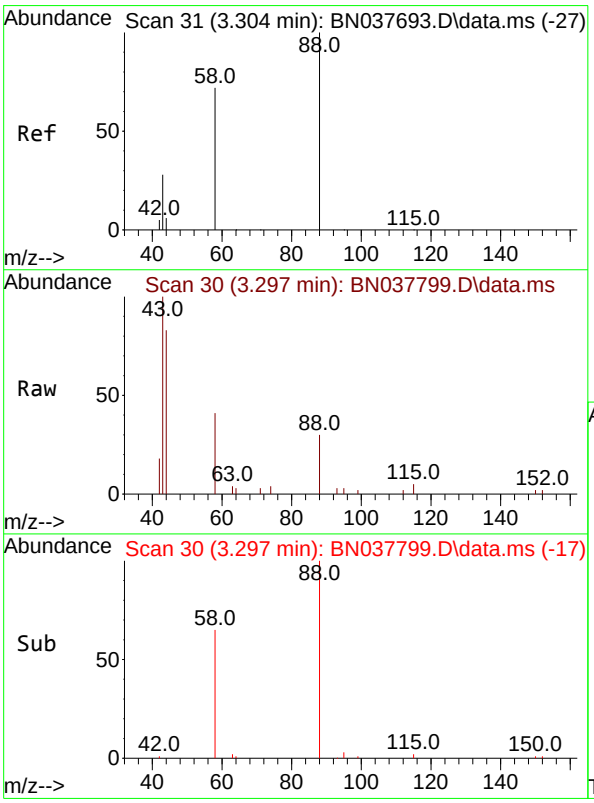
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.833 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN037799.D
Acq: 19 Sep 2025 05:13

Instrument :
BNA_N
ClientSampleId :
TT180D-20250911

Tgt Ion:152 Resp: 6964

Ion	Ratio	Lower	Upper
152	100		
150	151.1	124.5	186.7
115	57.9	49.2	73.8

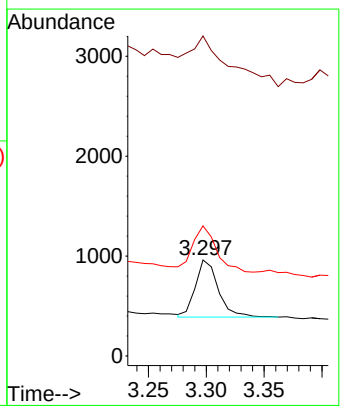


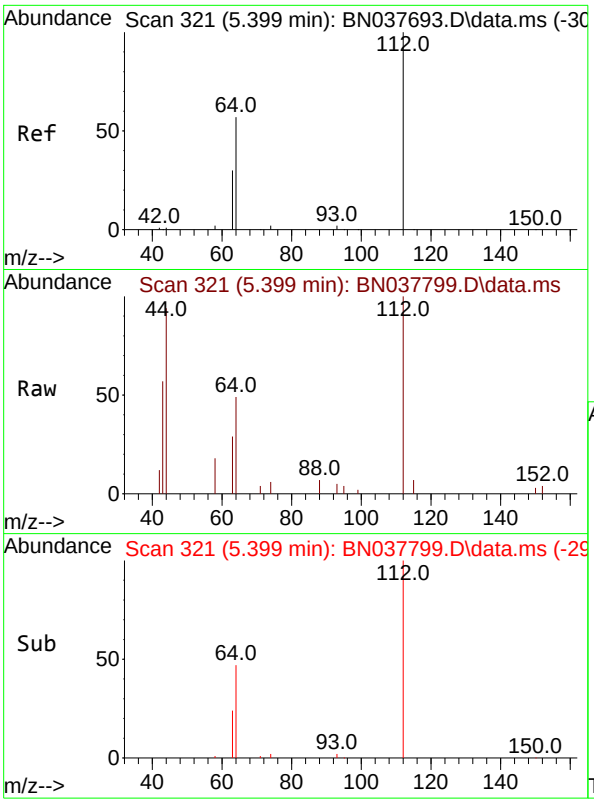


#2
1,4-Dioxane
Concen: 0.109 ng
RT: 3.297 min Scan# 30
Delta R.T. -0.007 min
Lab File: BN037799.D
Acq: 19 Sep 2025 05:13

Tgt Ion: 88 Resp: 788

Ion	Ratio	Lower	Upper
88	100		
43	153.0	26.8	40.2#
58	83.1	61.9	92.9



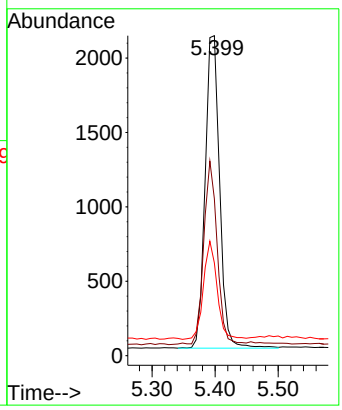


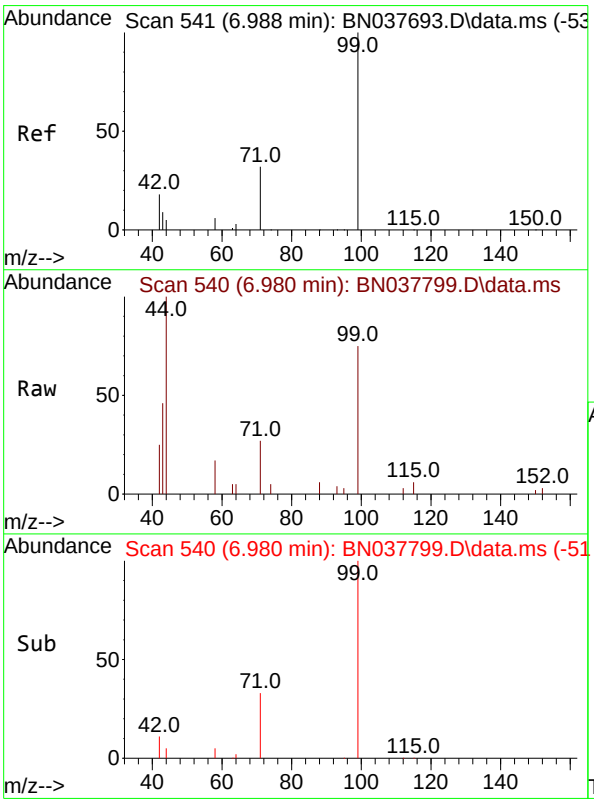
#4
2-Fluorophenol
Concen: 0.209 ng
RT: 5.399 min Scan# 3
Delta R.T. -0.000 min
Lab File: BN037799.D
Acq: 19 Sep 2025 05:13

Instrument :
BNA_N
ClientSampleId :
TT180D-20250911

Tgt Ion:112 Resp: 3349

Ion	Ratio	Lower	Upper
112	100		
64	54.8	44.9	67.3
63	29.7	24.7	37.1

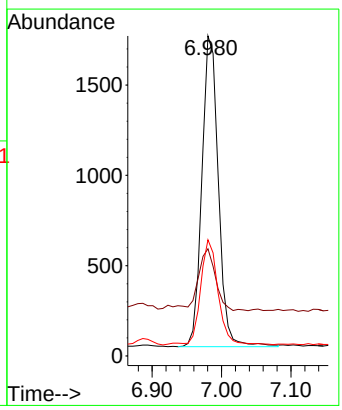


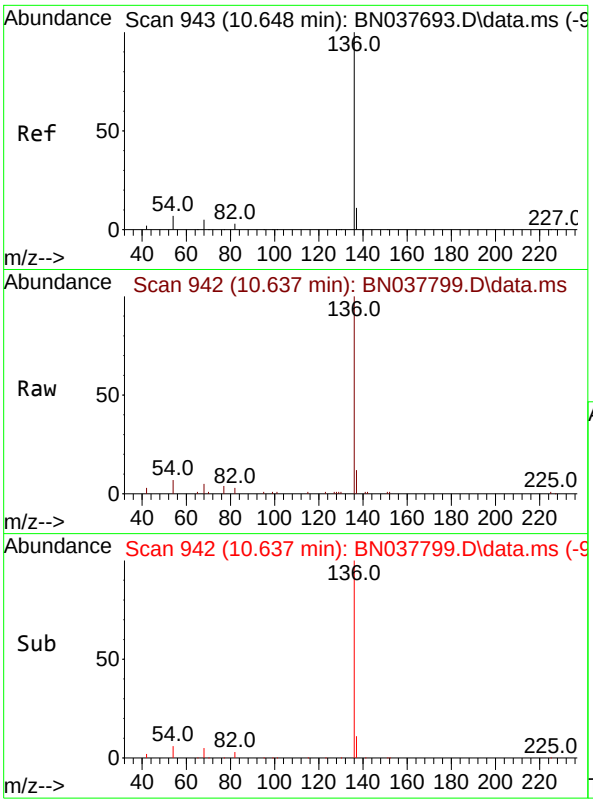


#5
Phenol-d6
Concen: 0.137 ng
RT: 6.980 min Scan# 540
Delta R.T. -0.007 min
Lab File: BN037799.D
Acq: 19 Sep 2025 05:13

Tgt Ion: 99 Resp: 2838

Ion	Ratio	Lower	Upper
99	100		
42	20.5	16.6	24.8
71	36.2	26.7	40.1



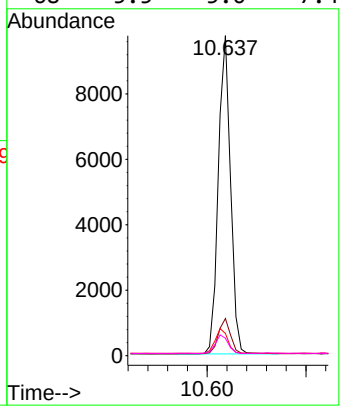


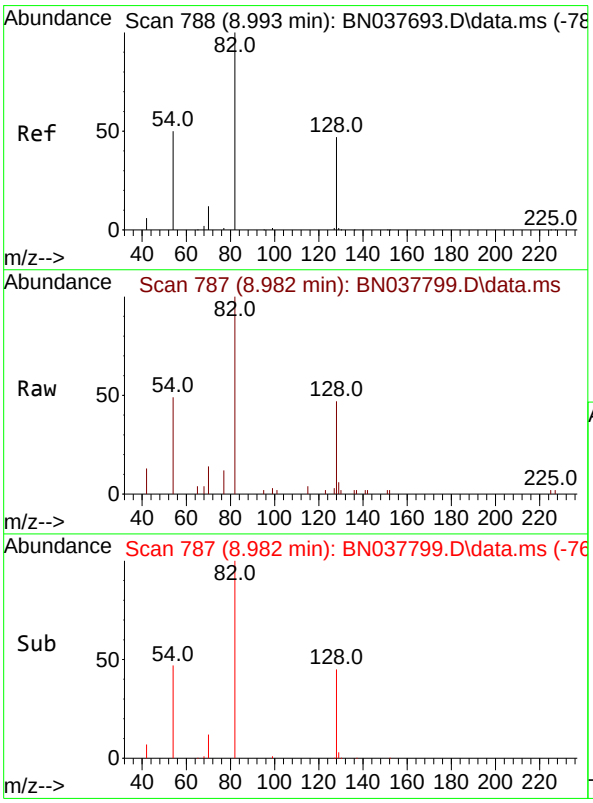
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.637 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037799.D
Acq: 19 Sep 2025 05:13

Instrument :
BNA_N
ClientSampleId :
TT180D-20250911

Tgt Ion:136 Resp: 16642

Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.1	13.7
54	6.9	6.3	9.5
68	5.5	5.0	7.4

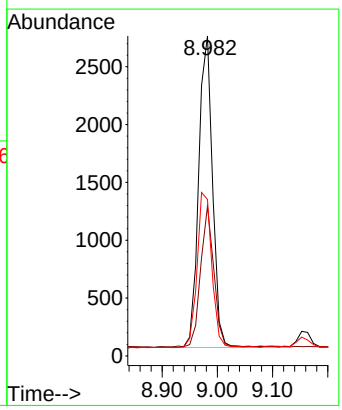


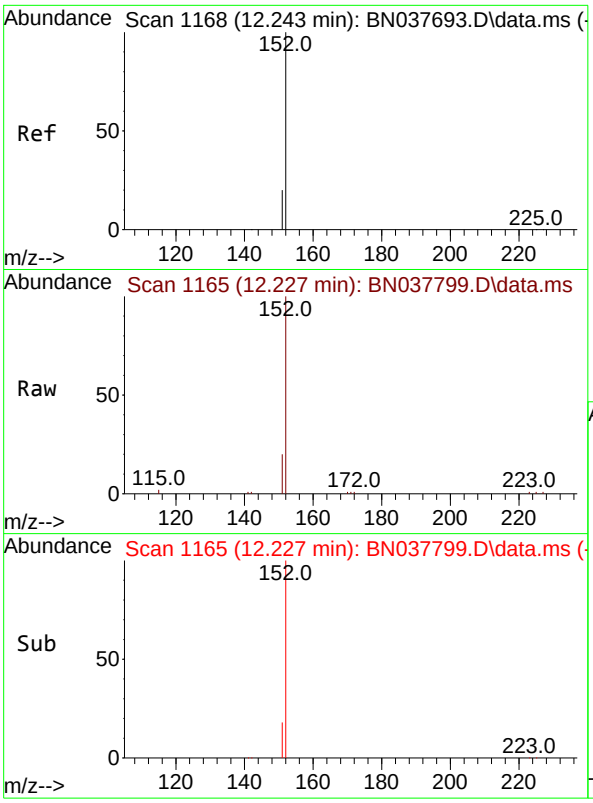


#8
Nitrobenzene-d5
Concen: 0.387 ng
RT: 8.982 min Scan# 787
Delta R.T. -0.011 min
Lab File: BN037799.D
Acq: 19 Sep 2025 05:13

Tgt Ion: 82 Resp: 4713

Ion	Ratio	Lower	Upper
82	100		
128	46.8	38.3	57.5
54	48.9	41.4	62.2



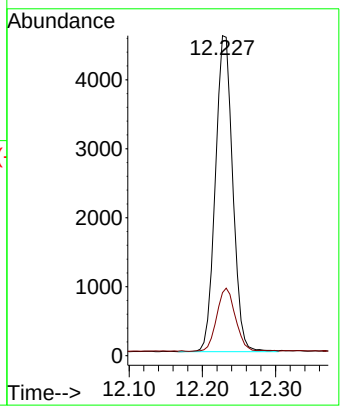


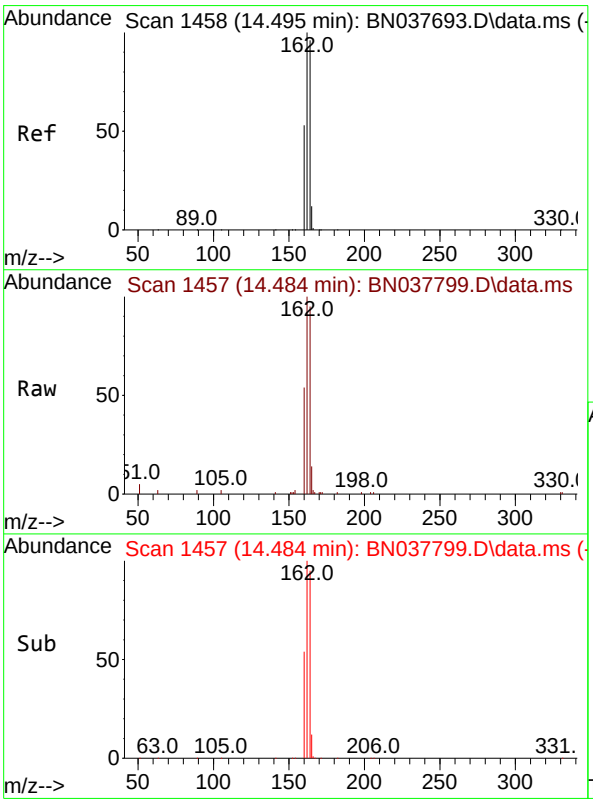
#11
2-Methylnaphthalene-d10
Concen: 0.342 ng
RT: 12.227 min Scan# 11
Delta R.T. -0.015 min
Lab File: BN037799.D
Acq: 19 Sep 2025 05:13

Instrument :
BNA_N
ClientSampleId :
TT180D-20250911

Tgt Ion:152 Resp: 7550

Ion	Ratio	Lower	Upper
152	100		
151	21.6	17.0	25.6

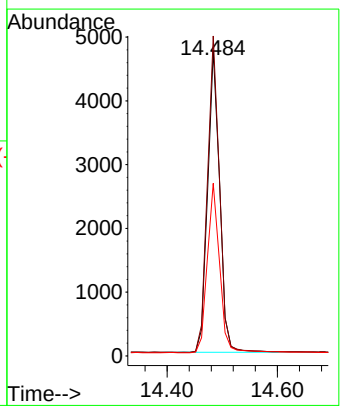


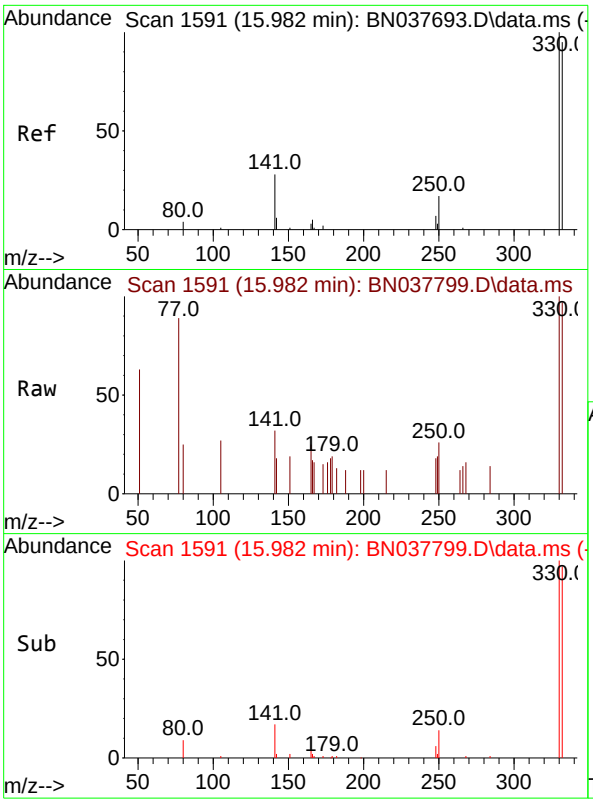


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.484 min Scan# 1457
Delta R.T. -0.011 min
Lab File: BN037799.D
Acq: 19 Sep 2025 05:13

Tgt Ion:164 Resp: 7189

Ion	Ratio	Lower	Upper
164	100		
162	104.8	83.1	124.7
160	56.5	44.3	66.5



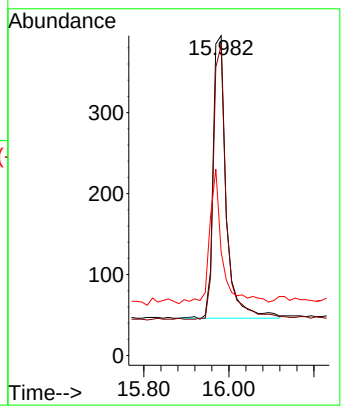


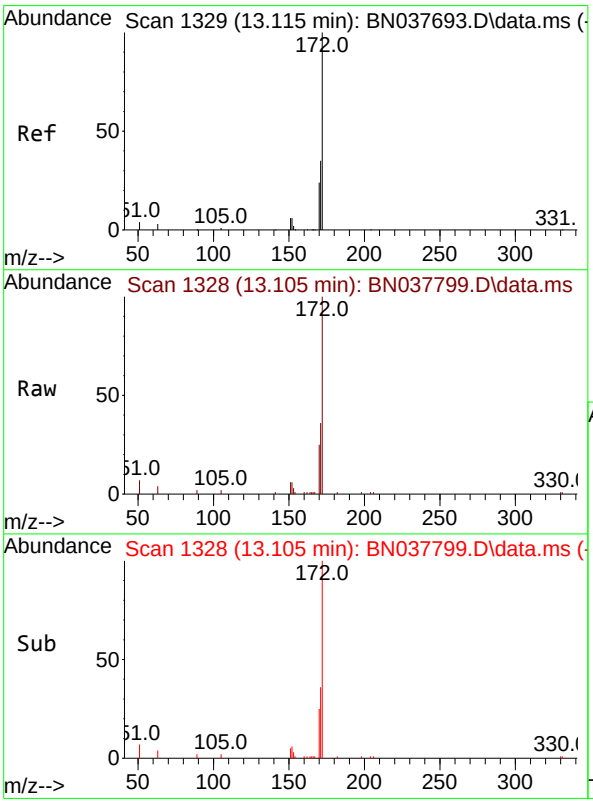
#14
2,4,6-Tribromophenol
Concen: 0.401 ng
RT: 15.982 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037799.D
Acq: 19 Sep 2025 05:13

Instrument :
BNA_N
ClientSampleId :
TT180D-20250911

Tgt Ion:330 Resp: 752

Ion	Ratio	Lower	Upper
330	100		
332	95.1	75.3	112.9
141	46.9	35.0	52.4

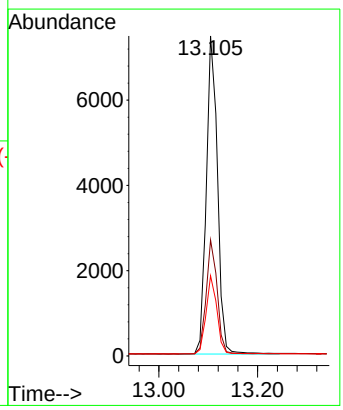


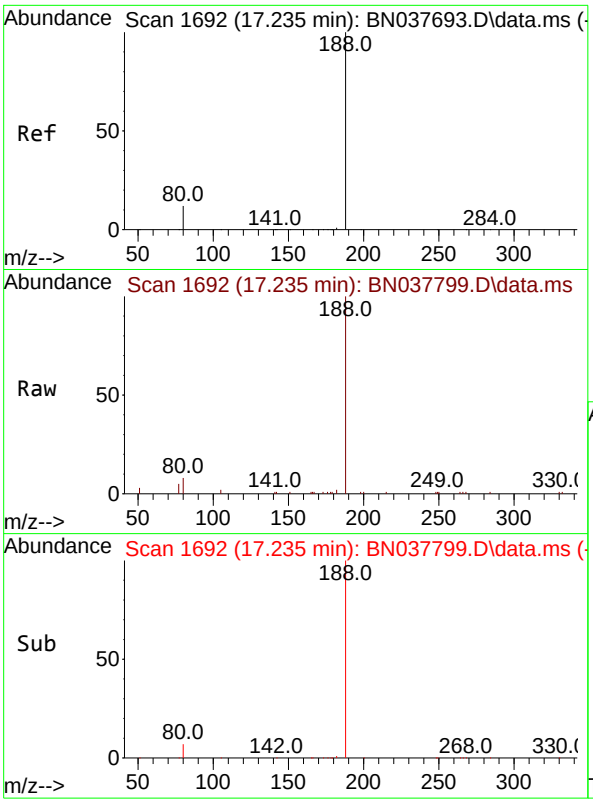


#15
2-Fluorobiphenyl
Concen: 0.390 ng
RT: 13.105 min Scan# 1328
Delta R.T. -0.011 min
Lab File: BN037799.D
Acq: 19 Sep 2025 05:13

Tgt Ion:172 Resp: 11713

Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.6	43.0
170	25.0	19.8	29.8



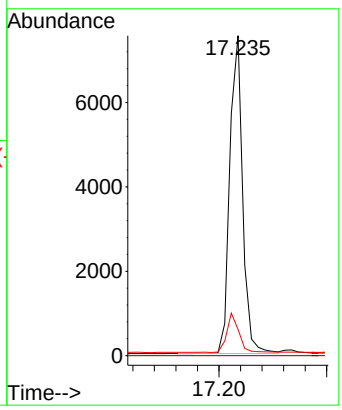


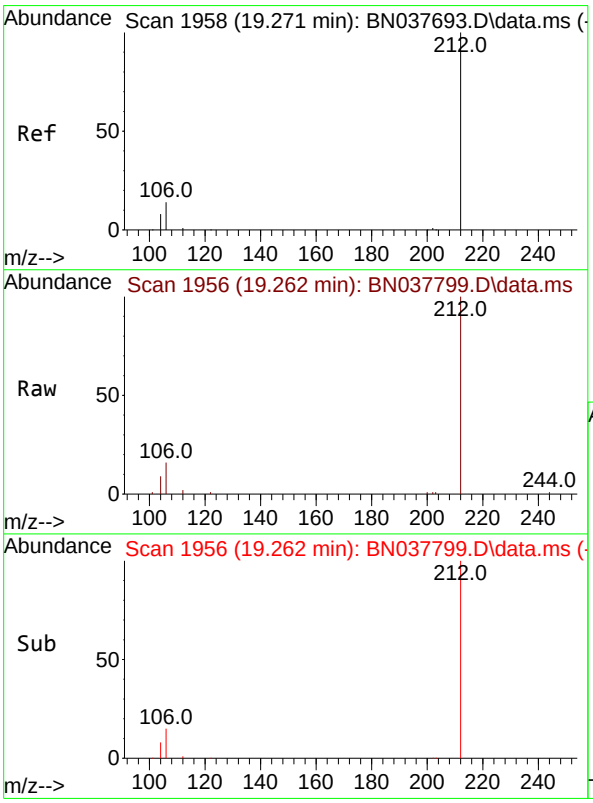
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.235 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037799.D
Acq: 19 Sep 2025 05:13

Instrument :
BNA_N
ClientSampleId :
TT180D-20250911

Tgt Ion:188 Resp: 12481

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.2	10.6	15.8#

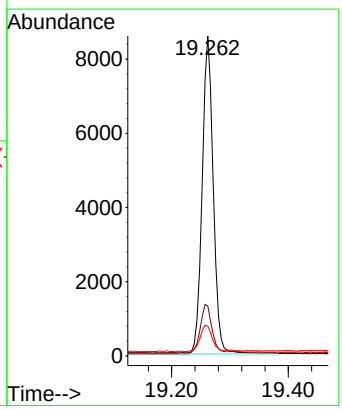


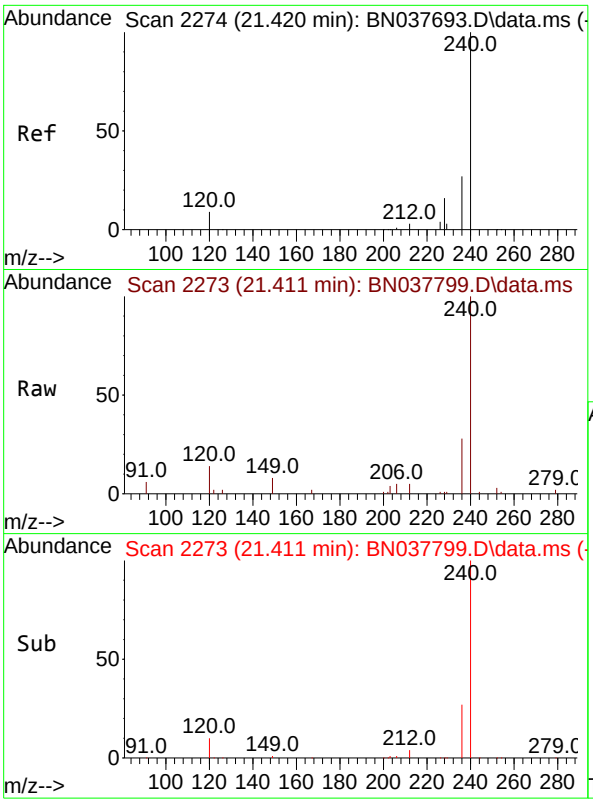


#27
Fluoranthene-d10
Concen: 0.364 ng
RT: 19.262 min Scan# 1956
Delta R.T. -0.009 min
Lab File: BN037799.D
Acq: 19 Sep 2025 05:13

Tgt Ion:212 Resp: 11399

Ion	Ratio	Lower	Upper
212	100		
106	16.2	12.2	18.2
104	8.9	6.9	10.3



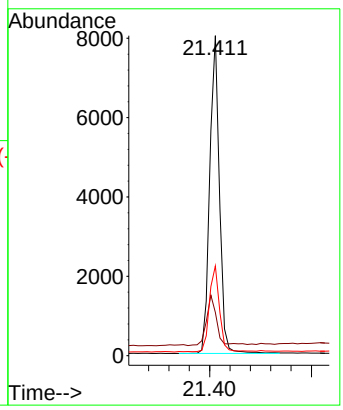


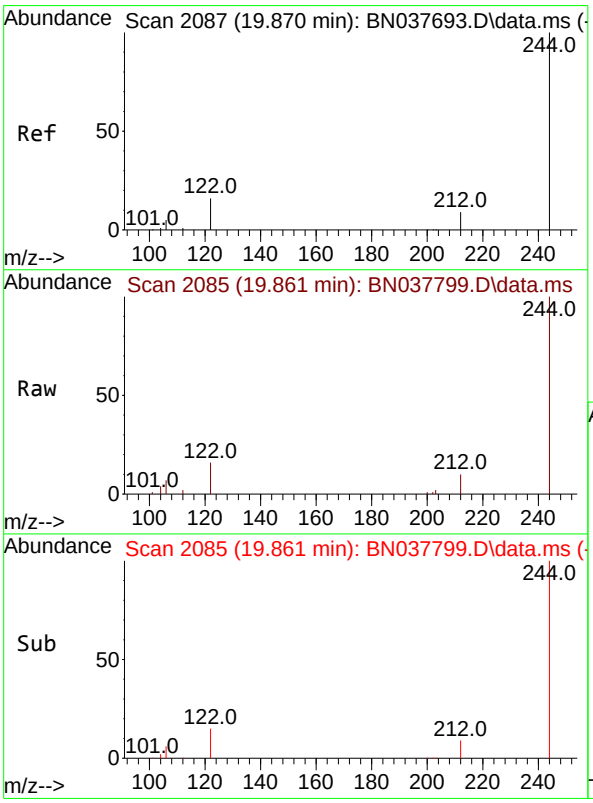
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.411 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037799.D
Acq: 19 Sep 2025 05:13

Instrument :
BNA_N
ClientSampleId :
TT180D-20250911

Tgt Ion:240 Resp: 10625

Ion	Ratio	Lower	Upper
240	100		
120	13.5	9.2	13.8
236	28.1	22.6	33.8

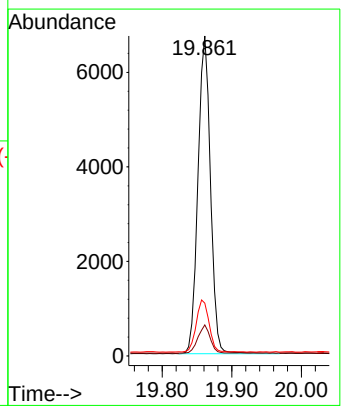


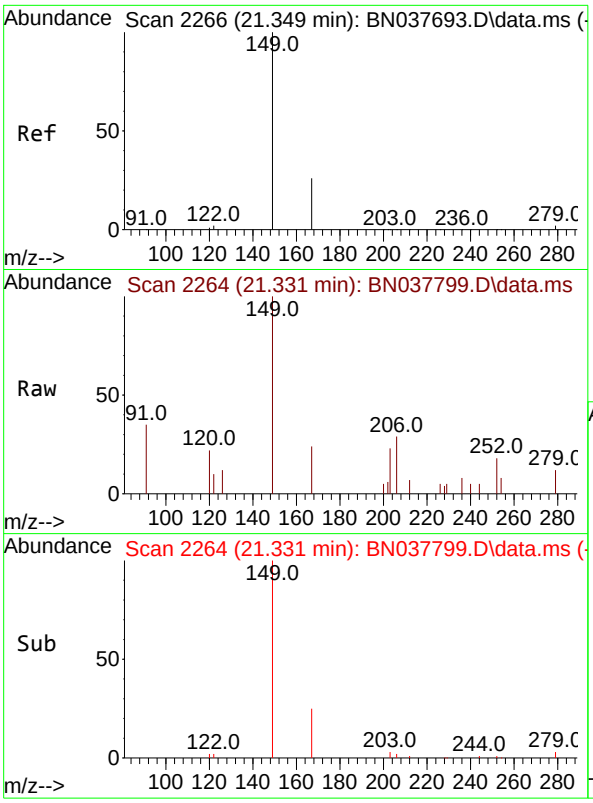


#31
Terphenyl-d14
Concen: 0.389 ng
RT: 19.861 min Scan# 2085
Delta R.T. -0.009 min
Lab File: BN037799.D
Acq: 19 Sep 2025 05:13

Tgt Ion:244 Resp: 8383

Ion	Ratio	Lower	Upper
244	100		
212	9.7	7.5	11.3
122	16.5	13.2	19.8



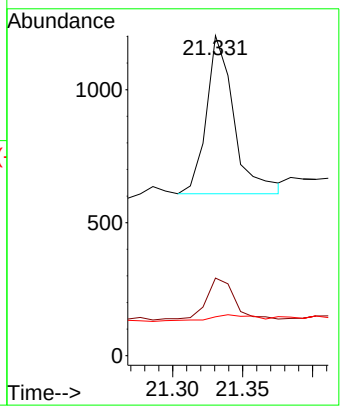


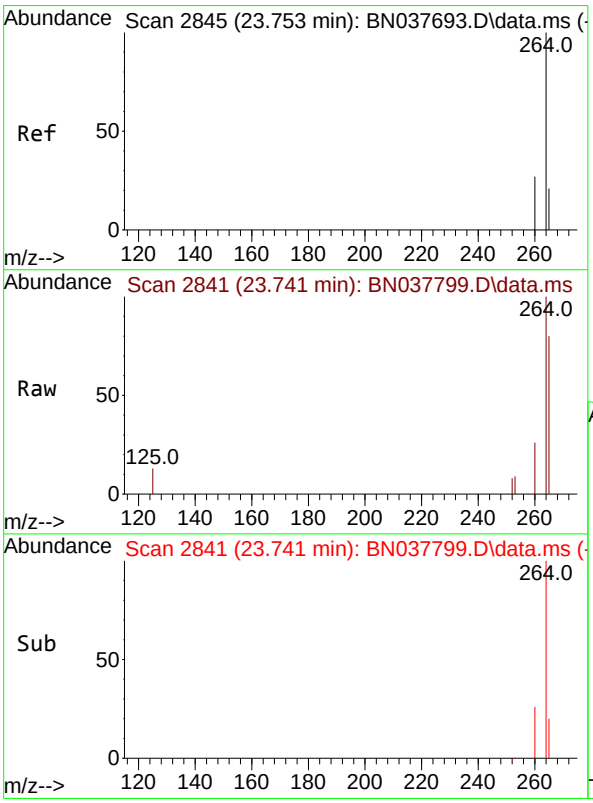
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.074 ng
RT: 21.331 min Scan# 2
Delta R.T. -0.018 min
Lab File: BN037799.D
Acq: 19 Sep 2025 05:13

Instrument :
BNA_N
ClientSampleId :
TT180D-20250911

Tgt Ion:149 Resp: 816

Ion	Ratio	Lower	Upper
149	100		
167	27.8	20.8	31.2
279	7.0	3.3	4.9#

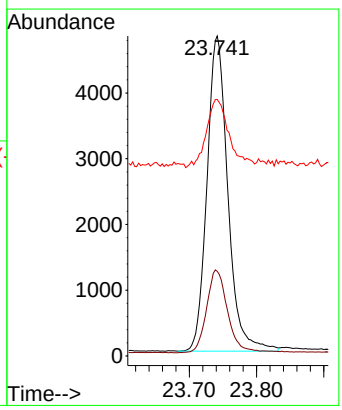




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.741 min Scan# 2841
Delta R.T. -0.012 min
Lab File: BN037799.D
Acq: 19 Sep 2025 05:13

Tgt Ion:264 Resp: 10338

Ion	Ratio	Lower	Upper
264	100		
260	26.5	21.8	32.8
265	80.2	39.4	59.2#



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:	09/11/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	RE122D3-20250911	SDG No.:	Q3095
Lab Sample ID:	Q3095-32	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
BN037800.D	1	09/15/25 12:00	09/19/25 05:49	PB169693

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	0.35		30 - 150		86%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.38		30 - 150		96%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.39		55 - 111		98%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.39		53 - 106		98%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.41		58 - 132		103%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	5970	7.833				
1146-65-2	Naphthalene-d8	15700	10.637				
15067-26-2	Acenaphthene-d10	6880	14.484				
1517-22-2	Phenanthrene-d10	11800	17.235				
1719-03-5	Chrysene-d12	9880	21.411				
1520-96-3	Perylene-d12	9590	23.739				

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\BN091825\
Data File : BN037800.D
Acq On : 19 Sep 2025 05:49
Operator : RC/JU
Sample : Q3095-32
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE122D3-20250911

Quant Time: Sep 19 07:43:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

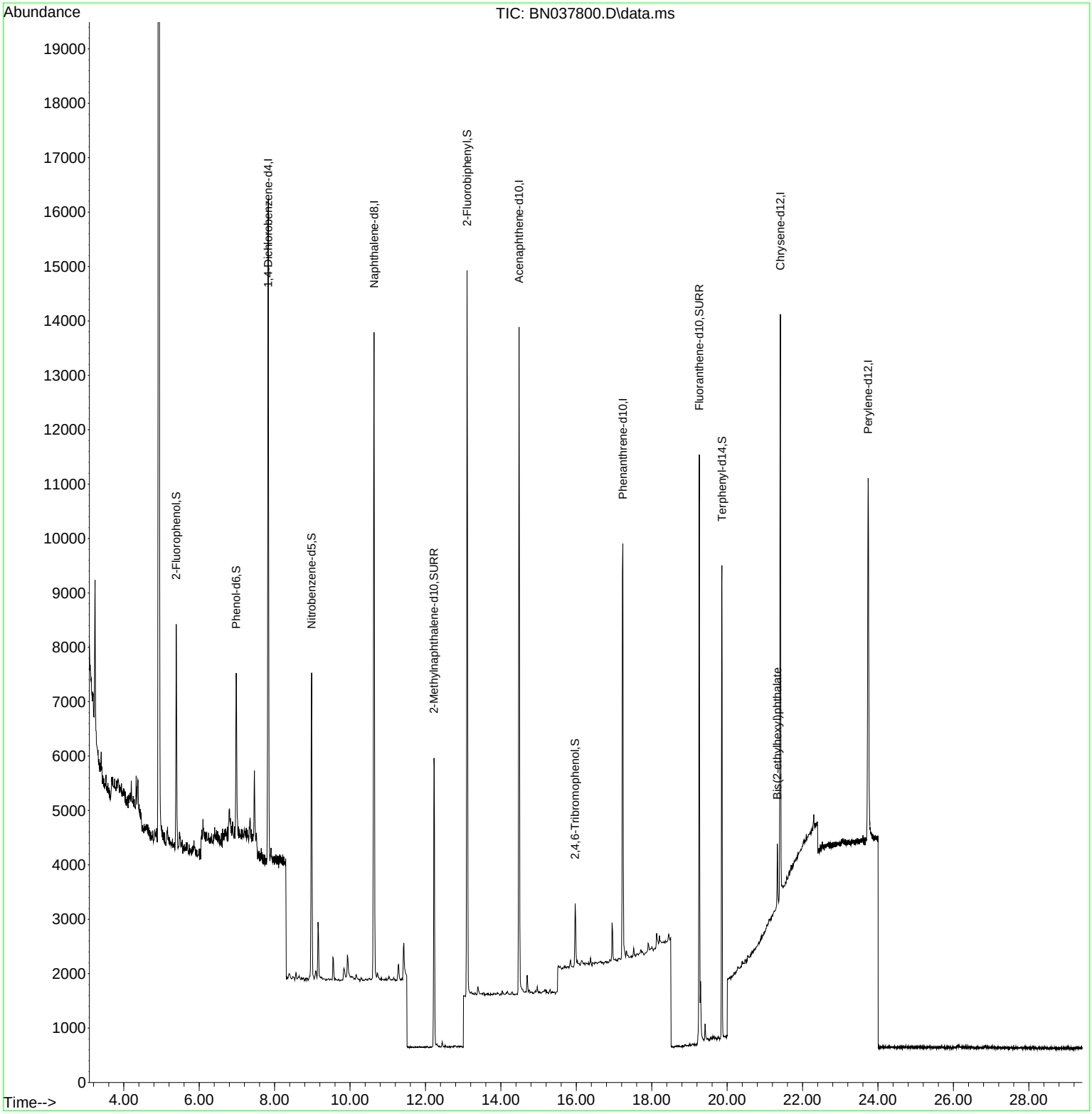
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.833	152	5969	0.400	ng	0.00
7) Naphthalene-d8	10.637	136	15717	0.400	ng	-0.01
13) Acenaphthene-d10	14.484	164	6882	0.400	ng	-0.01
19) Phenanthrene-d10	17.235	188	11849	0.400	ng	# 0.00
29) Chrysene-d12	21.411	240	9882	0.400	ng	0.00
35) Perylene-d12	23.739	264	9588	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.392	112	3155	0.230	ng	0.00
5) Phenol-d6	6.980	99	2700	0.152	ng	0.00
8) Nitrobenzene-d5	8.982	82	4524	0.394	ng	-0.01
11) 2-Methylnaphthalene-d10	12.227	152	7207	0.346	ng	-0.02
14) 2,4,6-Tribromophenol	15.969	330	723	0.403	ng	-0.01
15) 2-Fluorobiphenyl	13.105	172	11287	0.392	ng	-0.01
27) Fluoranthene-d10	19.262	212	11407	0.383	ng	0.00
31) Terphenyl-d14	19.861	244	8265	0.412	ng	0.00
Target Compounds						Qvalue
34) Bis(2-ethylhexyl)phtha...	21.331	149	1232	0.121	ng	# 99

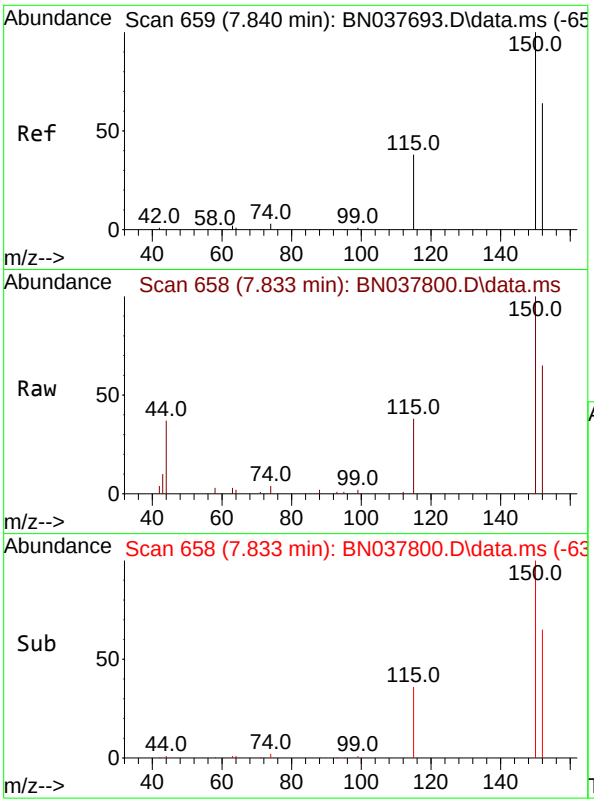
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091825\
Data File : BN037800.D
Acq On : 19 Sep 2025 05:49
Operator : RC/JU
Sample : Q3095-32
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE122D3-20250911

Quant Time: Sep 19 07:43:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration



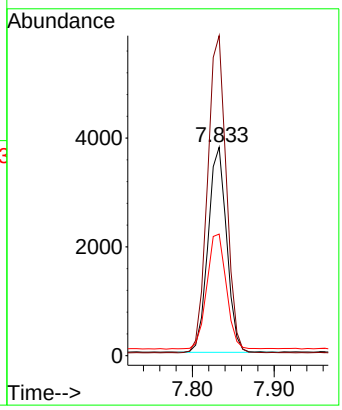


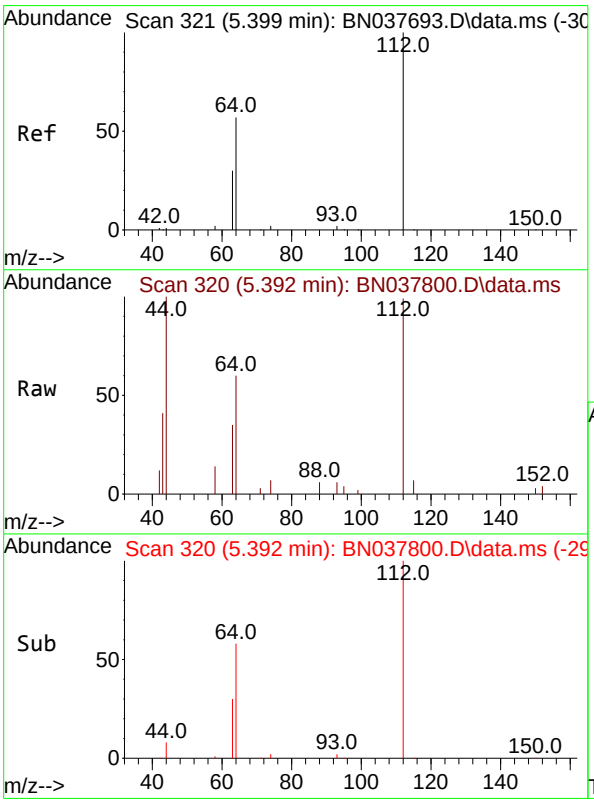
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.833 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN037800.D
Acq: 19 Sep 2025 05:49

Instrument :
BNA_N
ClientSampleId :
RE122D3-20250911

Tgt Ion:152 Resp: 5969

Ion	Ratio	Lower	Upper
152	100		
150	153.5	124.5	186.7
115	58.3	49.2	73.8

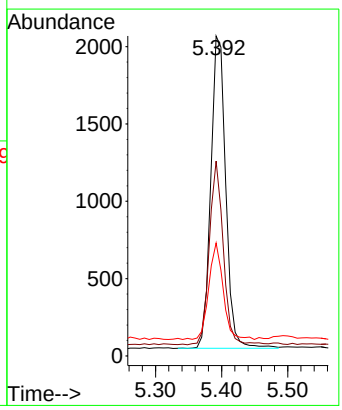


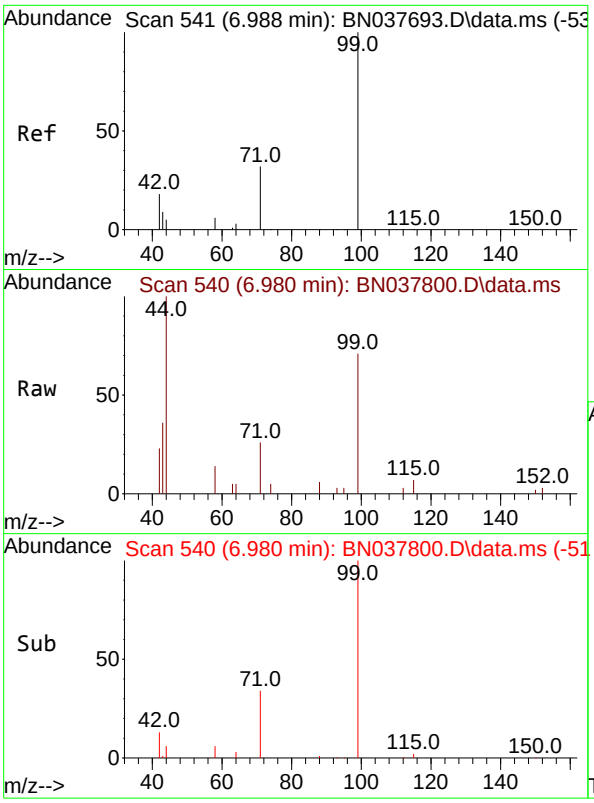


#4
2-Fluorophenol
Concen: 0.230 ng
RT: 5.392 min Scan# 320
Delta R.T. -0.007 min
Lab File: BN037800.D
Acq: 19 Sep 2025 05:49

Tgt Ion:112 Resp: 3155

Ion	Ratio	Lower	Upper
112	100		
64	54.7	44.9	67.3
63	29.5	24.7	37.1



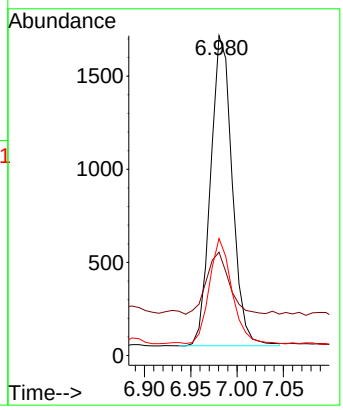


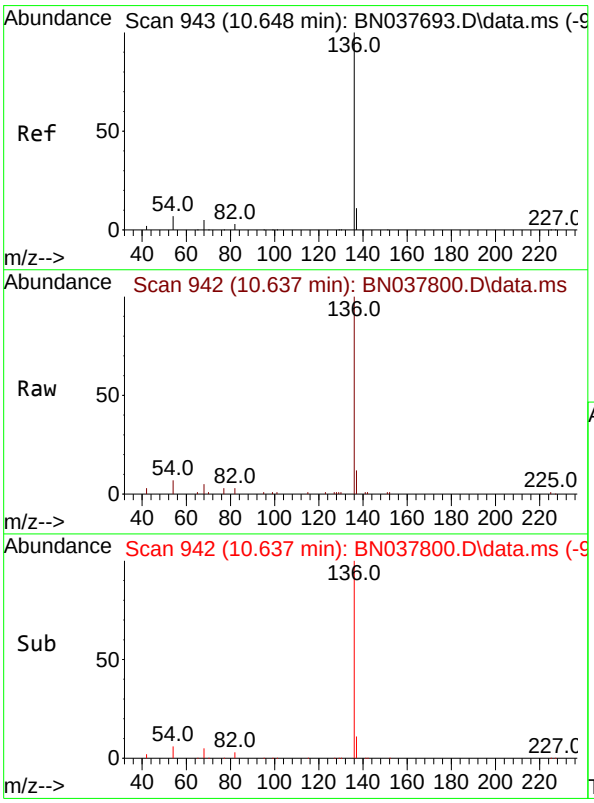
#5
Phenol-d6
Concen: 0.152 ng
RT: 6.980 min Scan# 54
Delta R.T. -0.007 min
Lab File: BN037800.D
Acq: 19 Sep 2025 05:49

Instrument :
BNA_N
ClientSampleId :
RE122D3-20250911

Tgt Ion: 99 Resp: 2700

Ion	Ratio	Lower	Upper
99	100		
42	21.0	16.6	24.8
71	36.1	26.7	40.1

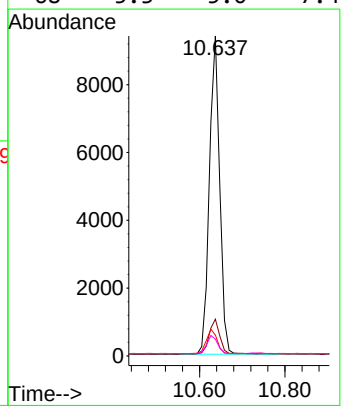


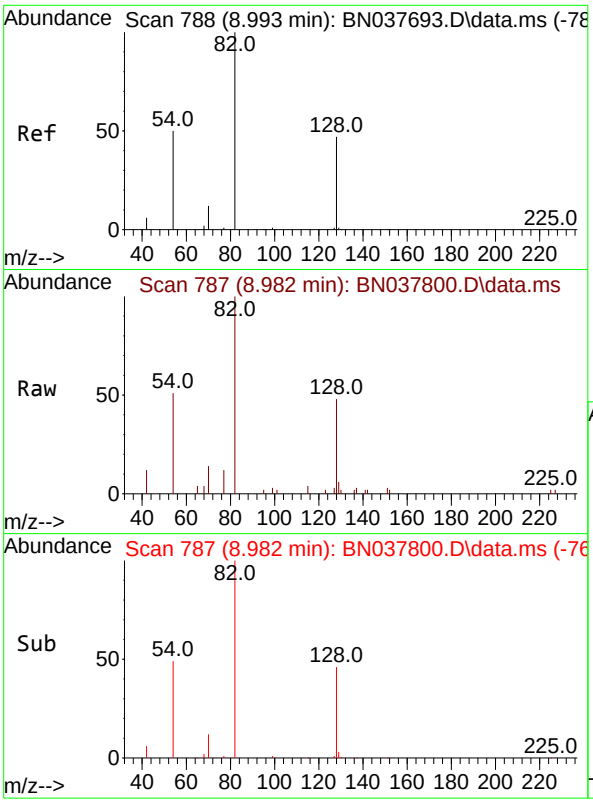


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.637 min Scan# 942
Delta R.T. -0.011 min
Lab File: BN037800.D
Acq: 19 Sep 2025 05:49

Tgt Ion:136 Resp: 15717

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.1	13.7
54	6.6	6.3	9.5
68	5.3	5.0	7.4



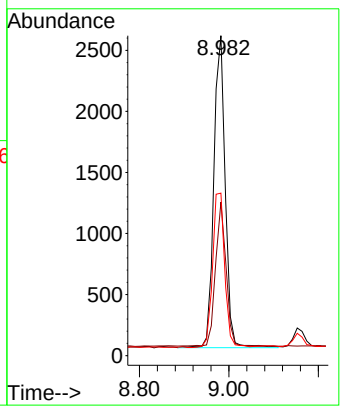


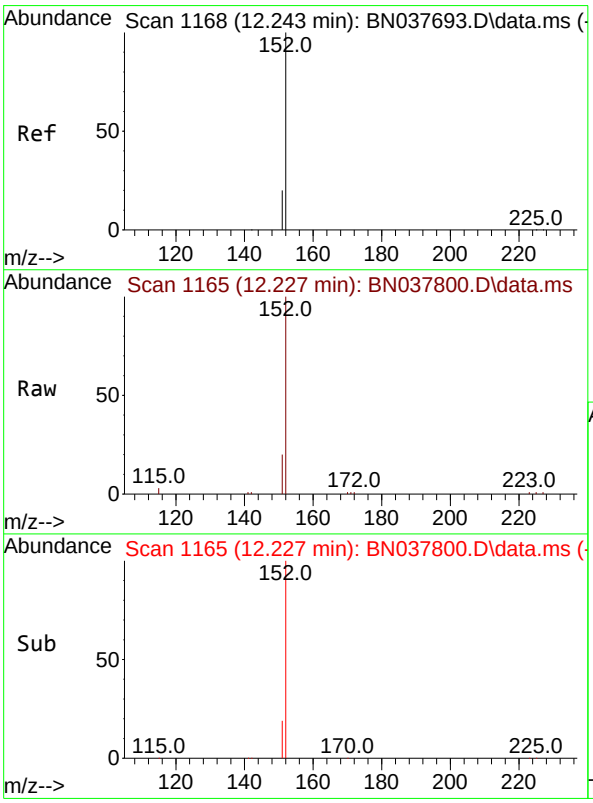
#8
Nitrobenzene-d5
Concen: 0.394 ng
RT: 8.982 min Scan# 7
Delta R.T. -0.011 min
Lab File: BN037800.D
Acq: 19 Sep 2025 05:49

Instrument :
BNA_N
ClientSampleId :
RE122D3-20250911

Tgt Ion: 82 Resp: 4524

Ion	Ratio	Lower	Upper
82	100		
128	48.0	38.3	57.5
54	50.8	41.4	62.2

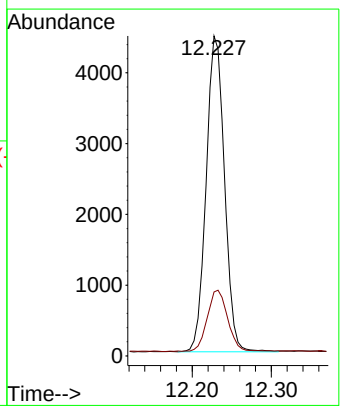


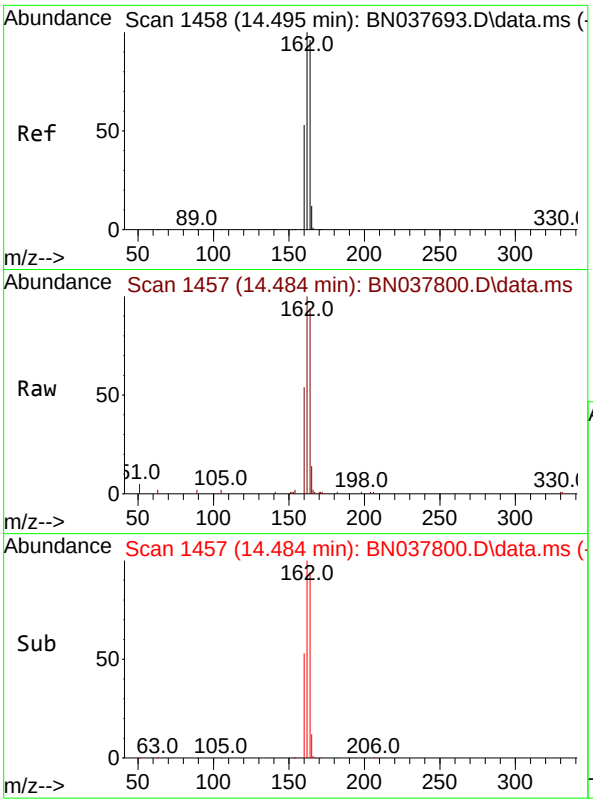


#11
2-Methylnaphthalene-d10
Concen: 0.346 ng
RT: 12.227 min Scan# 1165
Delta R.T. -0.015 min
Lab File: BN037800.D
Acq: 19 Sep 2025 05:49

Tgt Ion:152 Resp: 7207

Ion	Ratio	Lower	Upper
152	100		
151	21.5	17.0	25.6



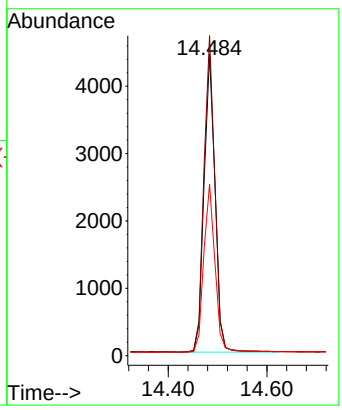


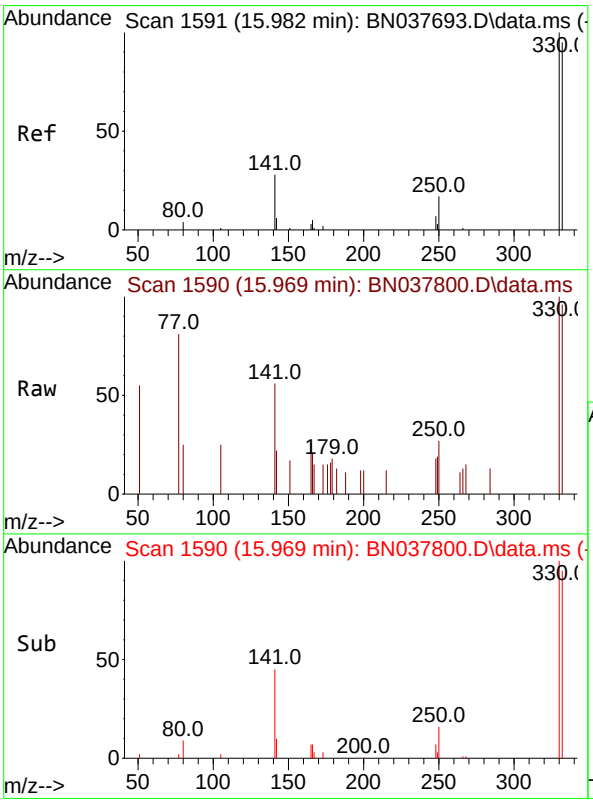
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.484 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN037800.D
Acq: 19 Sep 2025 05:49

Instrument :
BNA_N
ClientSampleId :
RE122D3-20250911

Tgt Ion:164 Resp: 6882

Ion	Ratio	Lower	Upper
164	100		
162	106.2	83.1	124.7
160	56.9	44.3	66.5

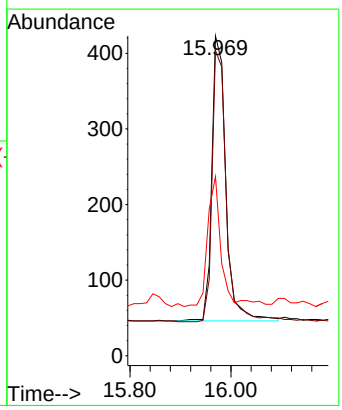


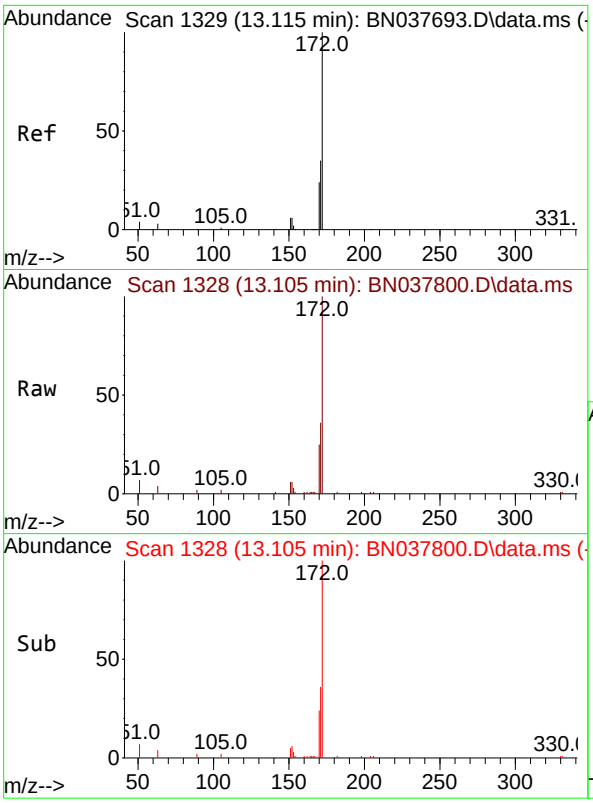


#14
2,4,6-Tribromophenol
Concen: 0.403 ng
RT: 15.969 min Scan# 1590
Delta R.T. -0.013 min
Lab File: BN037800.D
Acq: 19 Sep 2025 05:49

Tgt Ion:330 Resp: 723

Ion	Ratio	Lower	Upper
330	100		
332	96.7	75.3	112.9
141	42.6	35.0	52.4



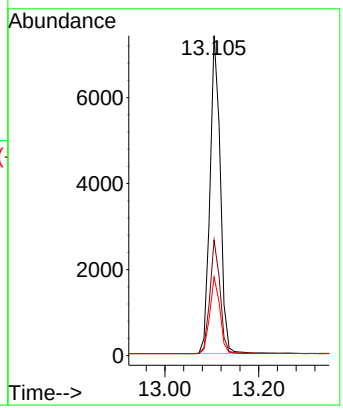


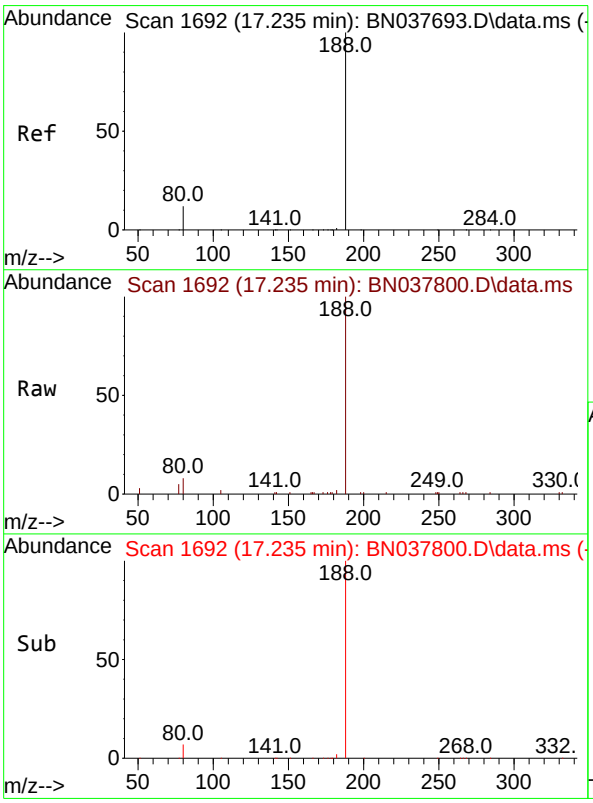
#15
2-Fluorobiphenyl
Concen: 0.392 ng
RT: 13.105 min Scan# 1
Delta R.T. -0.011 min
Lab File: BN037800.D
Acq: 19 Sep 2025 05:49

Instrument :
BNA_N
ClientSampleId :
RE122D3-20250911

Tgt Ion:172 Resp: 11287

Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.6	43.0
170	24.6	19.8	29.8

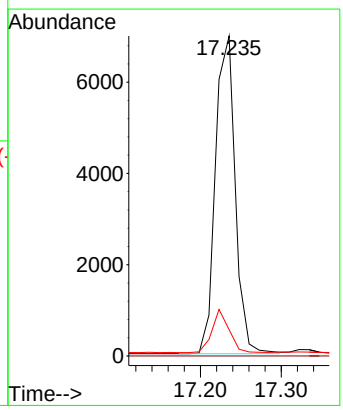


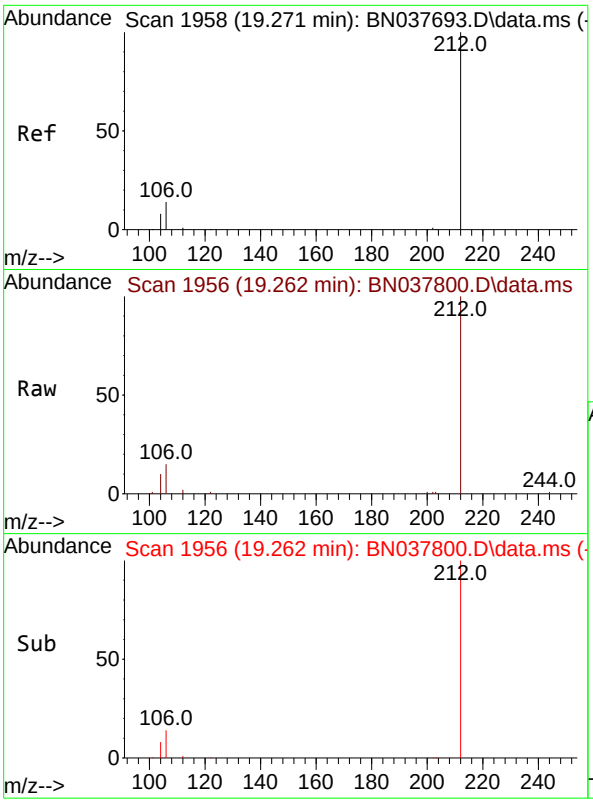


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.235 min Scan# 1692
Delta R.T. -0.000 min
Lab File: BN037800.D
Acq: 19 Sep 2025 05:49

Tgt Ion:188 Resp: 11849

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.2	10.6	15.8#



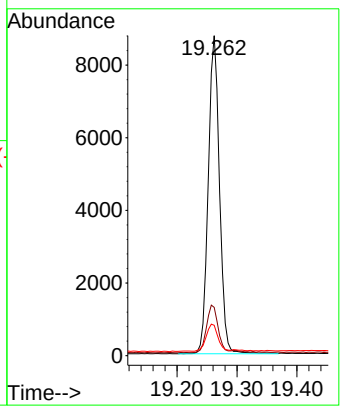


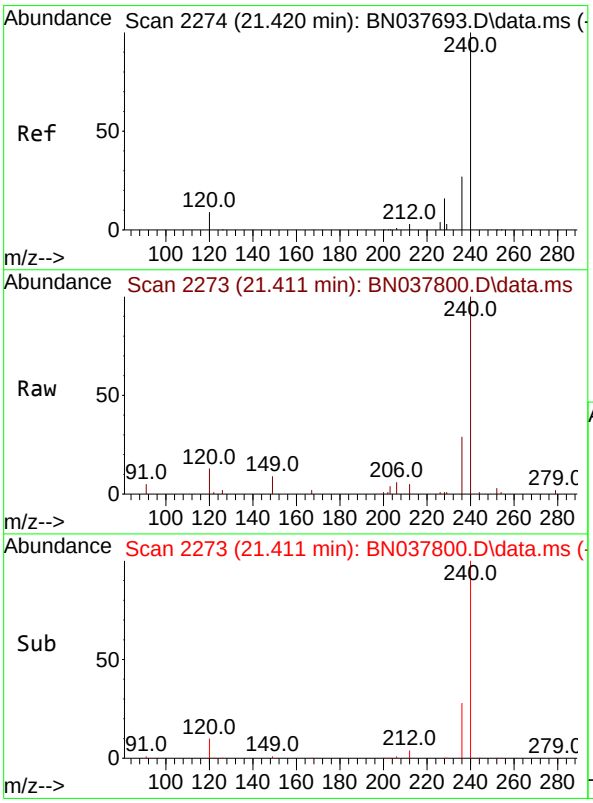
#27
Fluoranthene-d10
Concen: 0.383 ng
RT: 19.262 min Scan# 1
Delta R.T. -0.009 min
Lab File: BN037800.D
Acq: 19 Sep 2025 05:49

Instrument :
BNA_N
ClientSampleId :
RE122D3-20250911

Tgt Ion:212 Resp: 11407

Ion	Ratio	Lower	Upper
212	100		
106	15.3	12.2	18.2
104	8.8	6.9	10.3

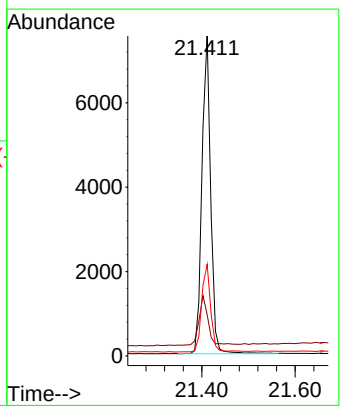


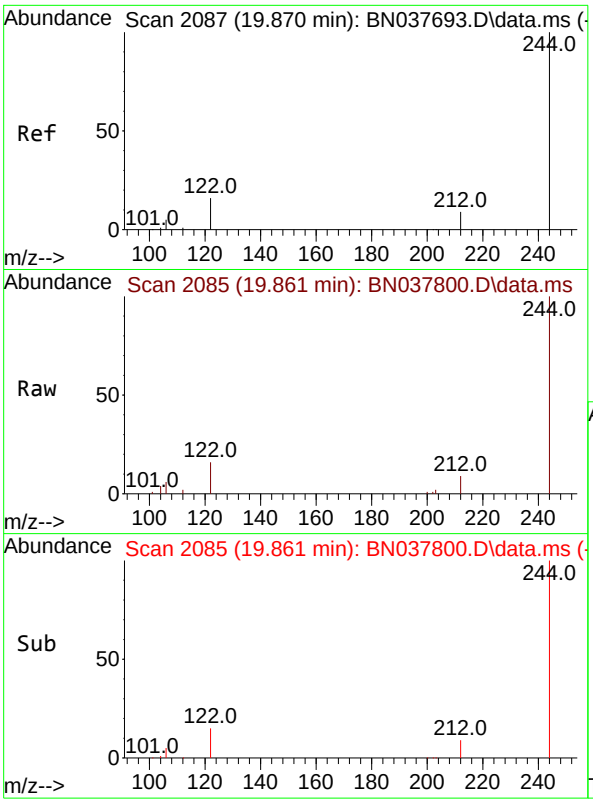


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.411 min Scan# 2273
Delta R.T. -0.009 min
Lab File: BN037800.D
Acq: 19 Sep 2025 05:49

Tgt Ion:240 Resp: 9882

Ion	Ratio	Lower	Upper
240	100		
120	12.9	9.2	13.8
236	28.6	22.6	33.8



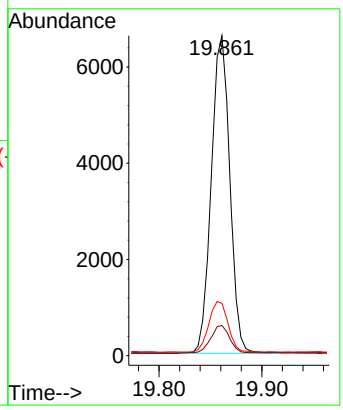


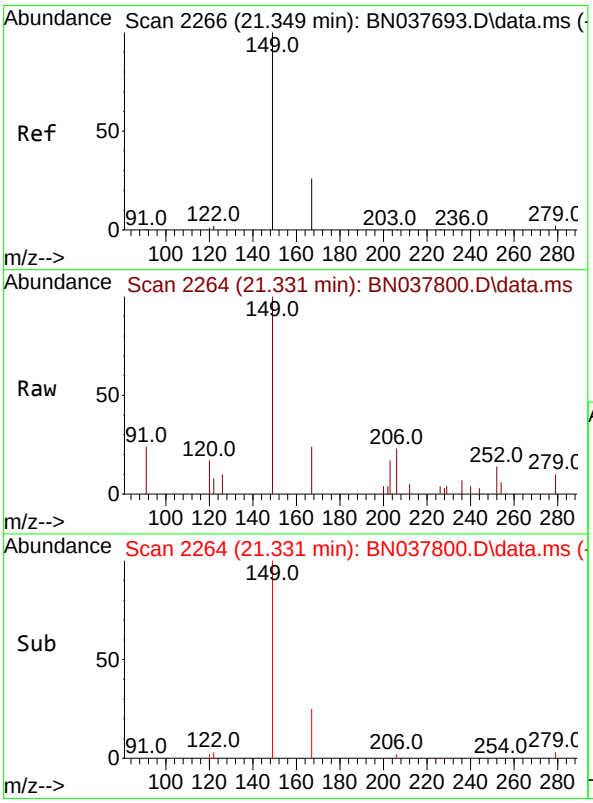
#31
Terphenyl-d14
Concen: 0.412 ng
RT: 19.861 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037800.D
Acq: 19 Sep 2025 05:49

Instrument :
BNA_N
ClientSampleId :
RE122D3-20250911

Tgt Ion:244 Resp: 8265

Ion	Ratio	Lower	Upper
244	100		
212	9.5	7.5	11.3
122	16.3	13.2	19.8

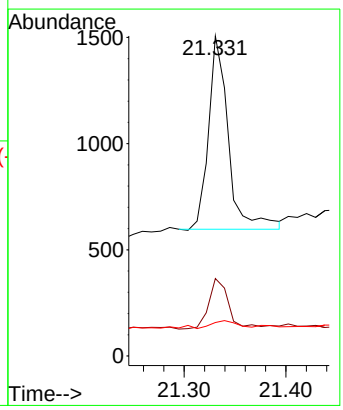


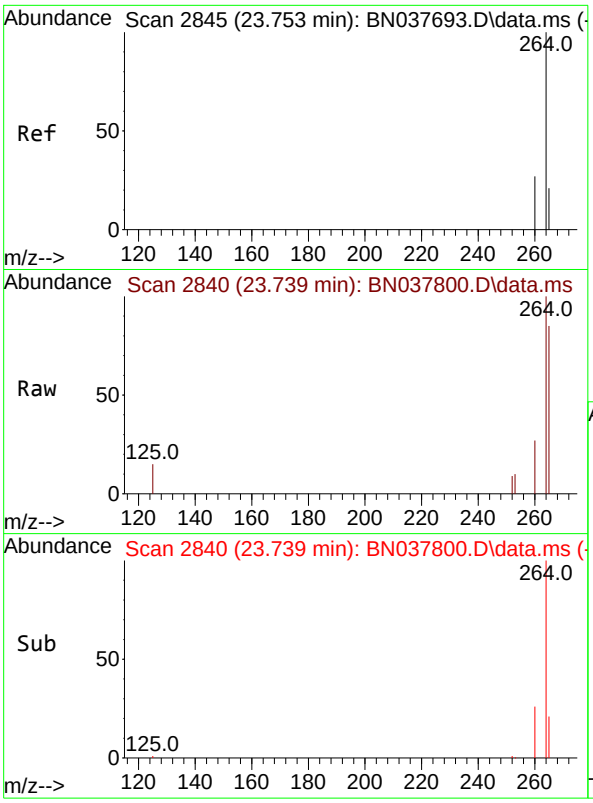


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.121 ng
RT: 21.331 min Scan# 2264
Delta R.T. -0.018 min
Lab File: BN037800.D
Acq: 19 Sep 2025 05:49

Tgt Ion:149 Resp: 1232

Ion	Ratio	Lower	Upper
149	100		
167	26.2	20.8	31.2
279	5.0	3.3	4.9#



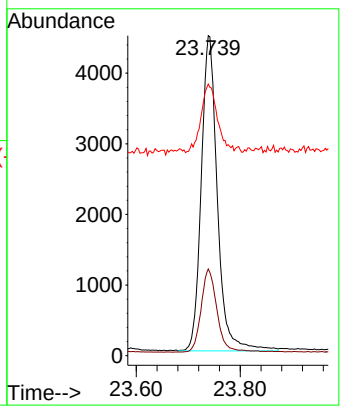


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.739 min Scan# 2
Delta R.T. -0.015 min
Lab File: BN037800.D
Acq: 19 Sep 2025 05:49

Instrument :
BNA_N
ClientSampleId :
RE122D3-20250911

Tgt Ion:264 Resp: 9588

Ion	Ratio	Lower	Upper
264	100		
260	27.1	21.8	32.8
265	84.9	39.4	59.2#



CALIBRATION SUMMARY

Response Factor Report BNA_N

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
Method File : 8270-SIM-BN091125.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Sep 11 14:20:01 2025
Response Via : Initial Calibration

Calibration Files
0.1 =BN037691.D 0.2 =BN037692.D 0.4 =BN037693.D 0.8 =BN037694.D 1.6 =BN037695.D 3.2 =BN037696.D 5 =BN037697.D

		Compound	0.1	0.2	0.4	0.8	1.6	3.2	5	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------								
2)		1,4-Dioxane	0.429	0.422	0.411	0.432	0.418	0.388	0.417		3.80
3)		n-Nitrosodimet...	0.530	0.564	0.515	0.556	0.550	0.551	0.544		3.34
4)	S	2-Fluorophenol	0.929	0.913	0.892	0.840	0.912	0.937	1.004	0.918	5.37
5)	S	Phenol-d6	1.191	1.193	1.156	1.088	1.193	1.225	1.289	1.191	5.15
6)		bis(2-Chloroet...	1.076	1.075	1.070	1.019	1.078	1.066	1.063	1.064	1.94
7)	I	Naphthalene-d8	----------ISTD----------								
8)	S	Nitrobenzene-d5	0.287	0.279	0.285	0.272	0.296	0.303	0.325	0.293	6.05
9)		Naphthalene	1.091	1.072	1.074	1.036	1.117	1.115	1.149	1.093	3.38
10)		Hexachlorobuta...	0.199	0.196	0.197	0.189	0.203	0.199	0.202	0.198	2.29
11)	SURR	2-Methylnaphth...	0.497	0.497	0.498	0.478	0.522	0.550	0.668	0.530	12.31
12)		2-Methylnaphth...	0.643	0.651	0.659	0.633	0.697	0.712	0.740	0.676	5.91
13)	I	Acenaphthene-d10	----------ISTD----------								
14)	S	2,4,6-Tribromo...	0.088	0.098	0.101	0.096	0.113	0.131		0.104	14.74
15)	S	2-Fluorobiphenyl	1.663	1.666	1.649	1.586	1.689	1.674	1.785	1.673	3.54
16)		Acenaphthylene	1.754	1.756	1.783	1.727	1.885	1.916	2.020	1.834	5.90
17)		Acenaphthene	1.165	1.199	1.215	1.187	1.272	1.296	1.348	1.240	5.37
18)		Fluorene	1.404	1.402	1.441	1.419	1.545	1.633	1.671	1.502	7.59
19)	I	Phenanthrene-d10	----------ISTD----------								
20)		4,6-Dinitro-2-...	0.032	0.033	0.033	0.040	0.046		0.037		16.34
21)		4-Bromophenyl-...	0.250	0.252	0.251	0.248	0.272	0.269	0.284	0.261	5.43
22)		Hexachlorobenzene	0.301	0.308	0.294	0.280	0.305	0.302	0.310	0.300	3.39
23)		Atrazine	0.145	0.151	0.152	0.146	0.169	0.190	0.209	0.166	15.00
24)		Pentachlorophenol	0.074	0.074	0.073	0.086	0.100	0.115	0.087		19.46
25)		Phenanthrene	1.228	1.215	1.223	1.173	1.285	1.321	1.371	1.259	5.47
26)		Anthracene	1.038	1.029	1.070	1.030	1.140	1.221	1.281	1.116	9.09
27)	SURR	Fluoranthene-d10	0.912	0.887	0.935	0.883	0.954	1.108	1.350	1.004	16.98
28)		Fluoranthene	1.257	1.224	1.310	1.269	1.393	1.578	1.637	1.381	11.91
29)	I	Chrysene-d12	----------ISTD----------								
30)		Pyrene	1.578	1.618	1.557	1.473	1.603	1.542	1.590	1.566	3.09
31)	S	Terphenyl-d14	0.806	0.833	0.801	0.754	0.812	0.784	0.892	0.812	5.30
32)		Benzo(a)anthra...	1.386	1.345	1.347	1.297	1.410	1.459	1.522	1.395	5.46
33)		Chrysene	1.523	1.491	1.496	1.402	1.510	1.506	1.543	1.496	3.01
34)		Bis(2-ethylhex...	0.440	0.376	0.345	0.380	0.438	0.504	0.414		13.96
35)	I	Perylene-d12	----------ISTD----------								

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
Method File : 8270-SIM-BN091125.M

36)		Indeno(1,2,3-c...	1.517	1.491	1.543	1.532	1.791	1.865	2.025	1.681	12.58
37)		Benzo(b)fluora...	1.463	1.475	1.554	1.444	1.636	1.674	1.778	1.575	7.99
38)		Benzo(k)fluora...	1.516	1.543	1.524	1.501	1.705	1.696	1.756	1.606	6.73
39)	C	Benzo(a)pyrene	1.155	1.172	1.201	1.151	1.314	1.367	1.467	1.261	9.78
40)		Dibenzo(a,h)an...	1.157	1.175	1.210	1.232	1.463	1.519	1.636	1.342	14.39
41)		Benzo(g,h,i)pe...	1.413	1.402	1.451	1.375	1.568	1.607	1.723	1.506	8.59

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091125\
Data File : BN037691.D
Acq On : 11 Sep 2025 09:56
Operator : RC/JU
Sample : SSTDICC0.1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Quant Time: Sep 11 14:05:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:02:44 2025
Response via : Initial Calibration

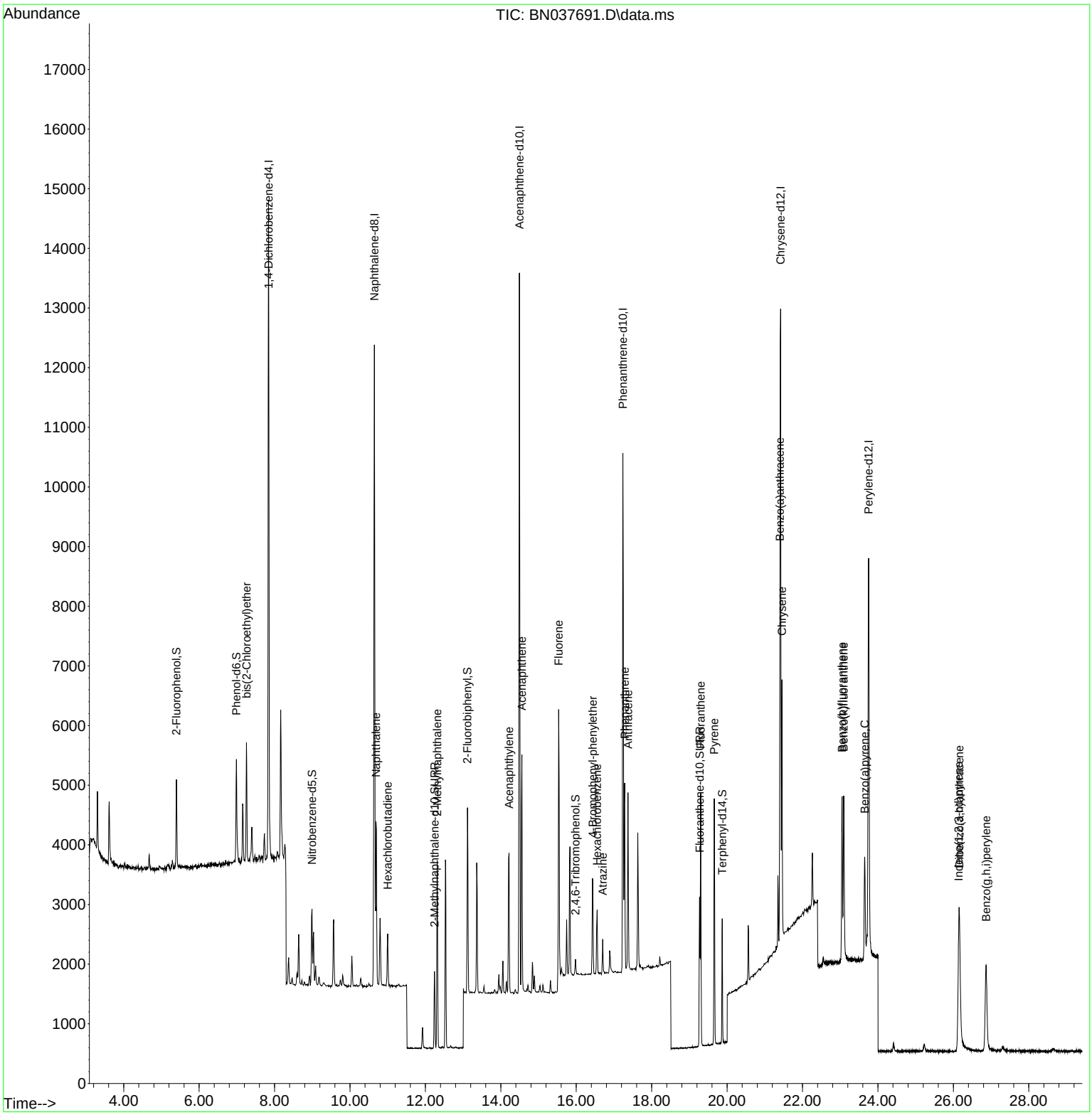
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.840	152	5271	0.400	ng		0.00
7) Naphthalene-d8	10.647	136	14013	0.400	ng		0.00
13) Acenaphthene-d10	14.494	164	6484	0.400	ng		0.00
19) Phenanthrene-d10	17.235	188	11736	0.400	ng		0.00
29) Chrysene-d12	21.420	240	9323	0.400	ng		0.00
35) Perylene-d12	23.753	264	9603	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.399	112	1224	0.101	ng		0.00
5) Phenol-d6	6.987	99	1570	0.100	ng		0.00
8) Nitrobenzene-d5	8.992	82	1006	0.098	ng		0.00
11) 2-Methylnaphthalene-d10	12.242	152	1740	0.094	ng		0.00
14) 2,4,6-Tribromophenol	15.982	330	142	0.084	ng		0.00
15) 2-Fluorobiphenyl	13.115	172	2696	0.099	ng		0.00
27) Fluoranthene-d10	19.271	212	2677	0.091	ng		0.00
31) Terphenyl-d14	19.870	244	1879	0.099	ng		0.00
Target Compounds							Qvalue
6) bis(2-Chloroethyl)ether	7.255	93	1418	0.101	ng		98
9) Naphthalene	10.690	128	3822	0.100	ng		95
10) Hexachlorobutadiene	11.000	225	697	0.101	ng	#	99
12) 2-Methylnaphthalene	12.313	142	2253	0.095	ng		97
16) Acenaphthylene	14.216	152	2843	0.096	ng		99
17) Acenaphthene	14.558	154	1889	0.094	ng		94
18) Fluorene	15.535	166	2276	0.093	ng		99
21) 4-Bromophenyl-phenylether	16.441	248	733	0.096	ng	#	95
22) Hexachlorobenzene	16.552	284	883	0.100	ng		99
23) Atrazine	16.701	200	426	0.088	ng	#	89
25) Phenanthrene	17.285	178	3604	0.098	ng		98
26) Anthracene	17.372	178	3046	0.093	ng		99
28) Fluoranthene	19.299	202	3689	0.091	ng		99
30) Pyrene	19.661	202	3679	0.101	ng		99
32) Benzo(a)anthracene	21.402	228	3231	0.099	ng		99
33) Chrysene	21.456	228	3549	0.102	ng		97
36) Indeno(1,2,3-cd)pyrene	26.142	276	3642	0.090	ng		97
37) Benzo(b)fluoranthene	23.048	252	3513	0.093	ng	#	82
38) Benzo(k)fluoranthene	23.092	252	3640	0.094	ng	#	73
39) Benzo(a)pyrene	23.651	252	2774	0.092	ng	#	76
40) Dibenzo(a,h)anthracene	26.159	278	2778	0.086	ng	#	79
41) Benzo(g,h,i)perylene	26.870	276	3393	0.094	ng	#	91

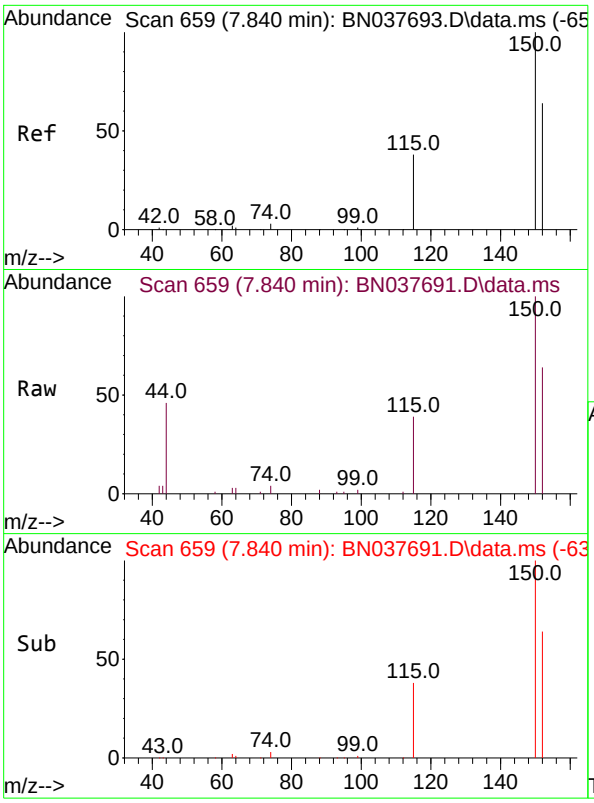
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091125\
Data File : BN037691.D
Acq On : 11 Sep 2025 09:56
Operator : RC/JU
Sample : SSTDICC0.1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Quant Time: Sep 11 14:05:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:02:44 2025
Response via : Initial Calibration



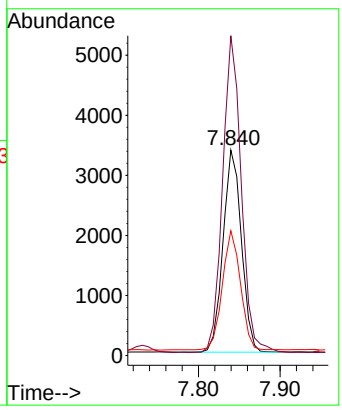


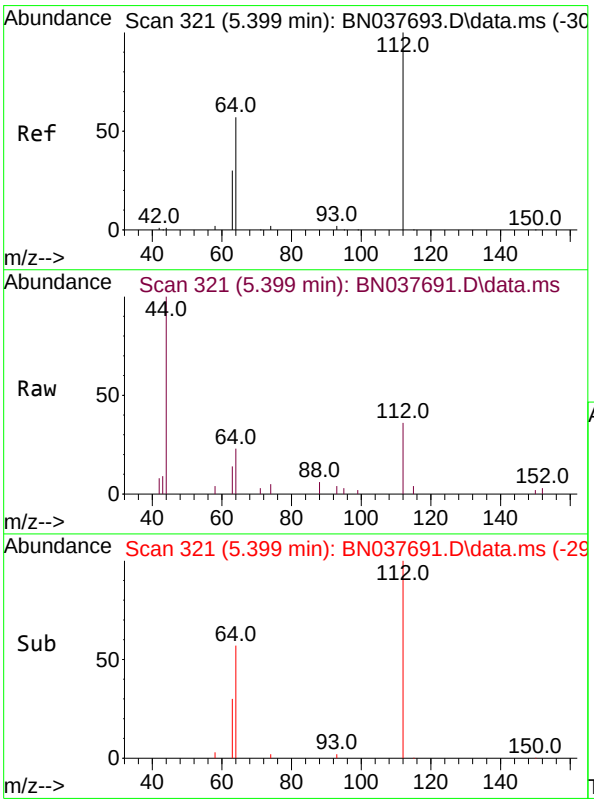
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.840 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN037691.D
Acq: 11 Sep 2025 09:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:152 Resp: 5271

Ion	Ratio	Lower	Upper
152	100		
150	155.8	124.5	186.7
115	60.8	49.2	73.8

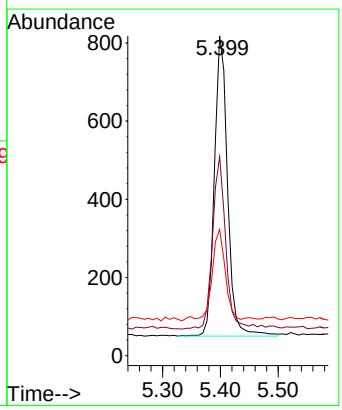


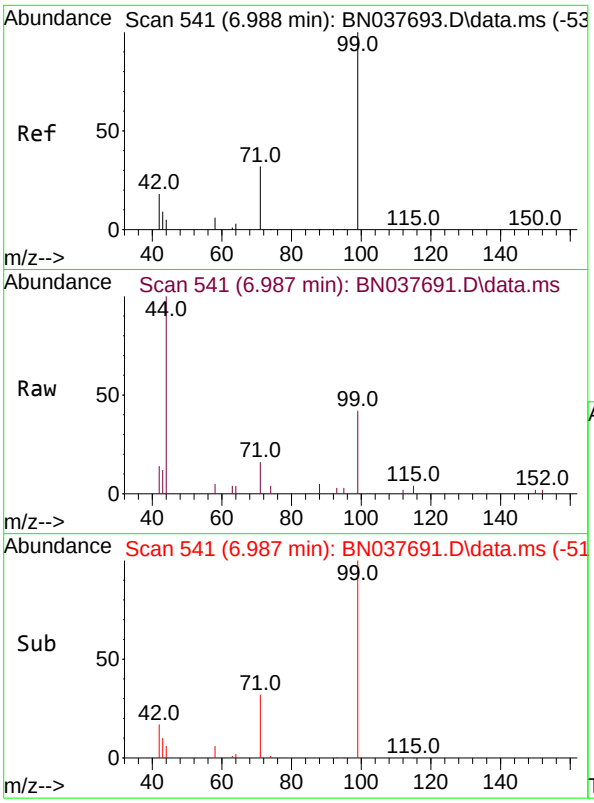


#4
2-Fluorophenol
Concen: 0.101 ng
RT: 5.399 min Scan# 321
Delta R.T. -0.000 min
Lab File: BN037691.D
Acq: 11 Sep 2025 09:56

Tgt Ion:112 Resp: 1224

Ion	Ratio	Lower	Upper
112	100		
64	58.5	44.9	67.3
63	28.8	24.7	37.1



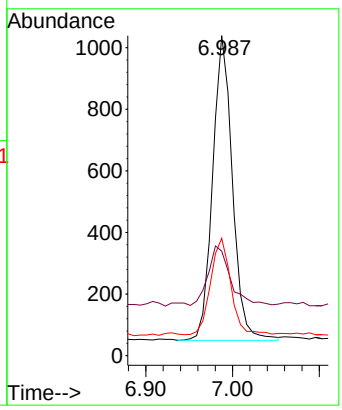


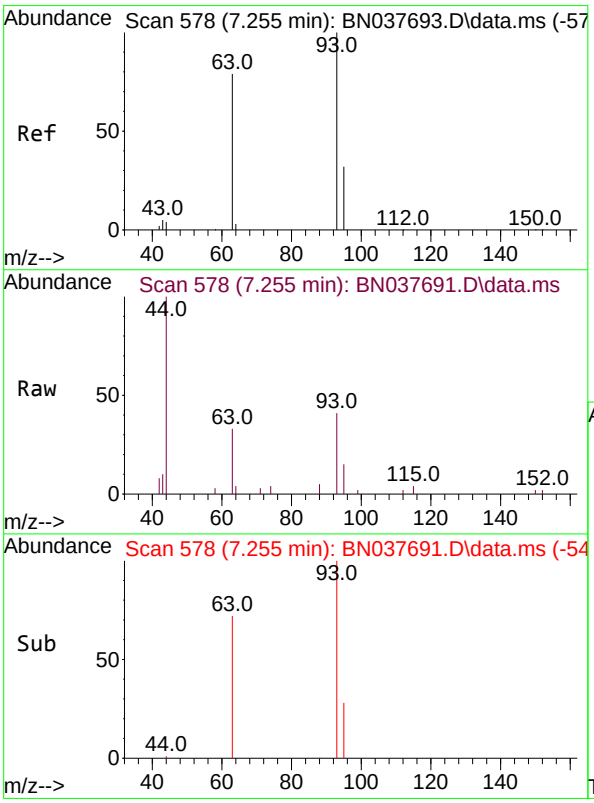
#5
Phenol-d6
Concen: 0.100 ng
RT: 6.987 min Scan# 54
Delta R.T. -0.000 min
Lab File: BN037691.D
Acq: 11 Sep 2025 09:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion: 99 Resp: 1570

Ion	Ratio	Lower	Upper
99	100		
42	21.8	16.6	24.8
71	32.4	26.7	40.1

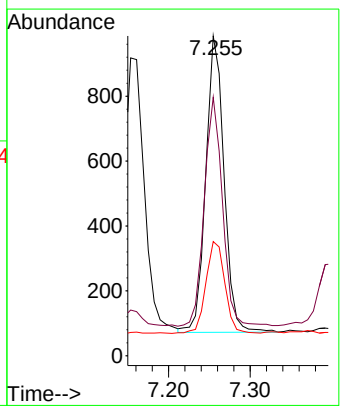


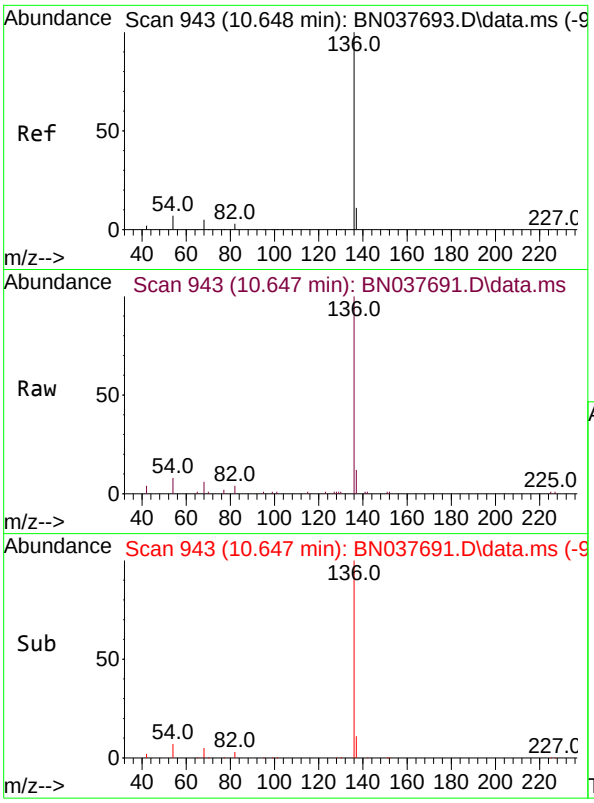


#6
bis(2-Chloroethyl)ether
Concen: 0.101 ng
RT: 7.255 min Scan# 578
Delta R.T. -0.000 min
Lab File: BN037691.D
Acq: 11 Sep 2025 09:56

Tgt Ion: 93 Resp: 1418

Ion	Ratio	Lower	Upper
93	100		
63	77.9	60.6	90.8
95	32.2	26.0	39.0



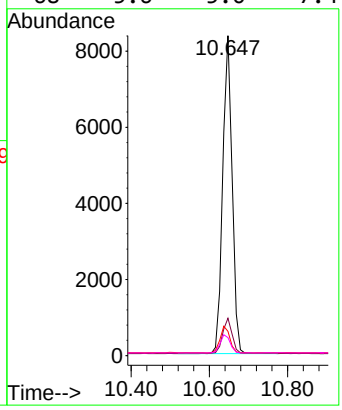


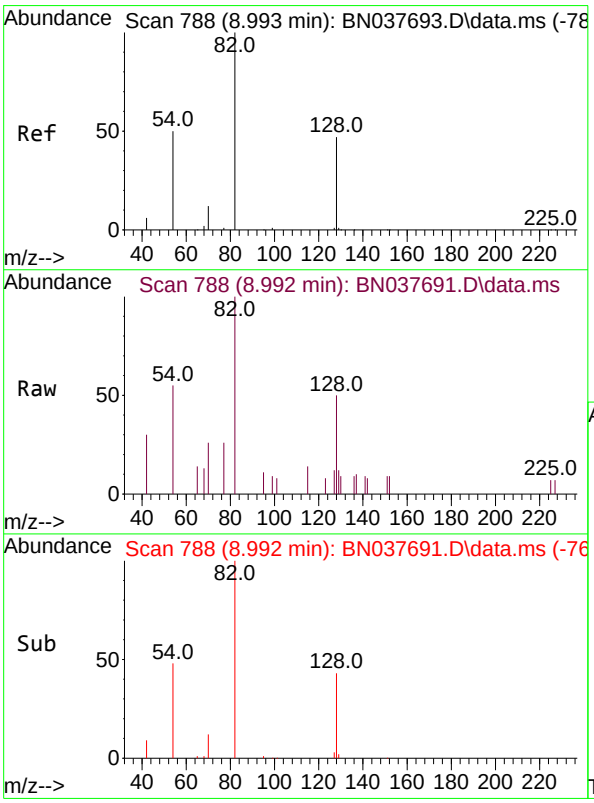
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.647 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN037691.D
Acq: 11 Sep 2025 09:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:136 Resp: 14013

Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.1	13.7
54	7.6	6.3	9.5
68	5.6	5.0	7.4

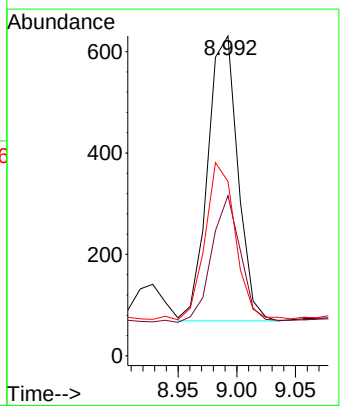


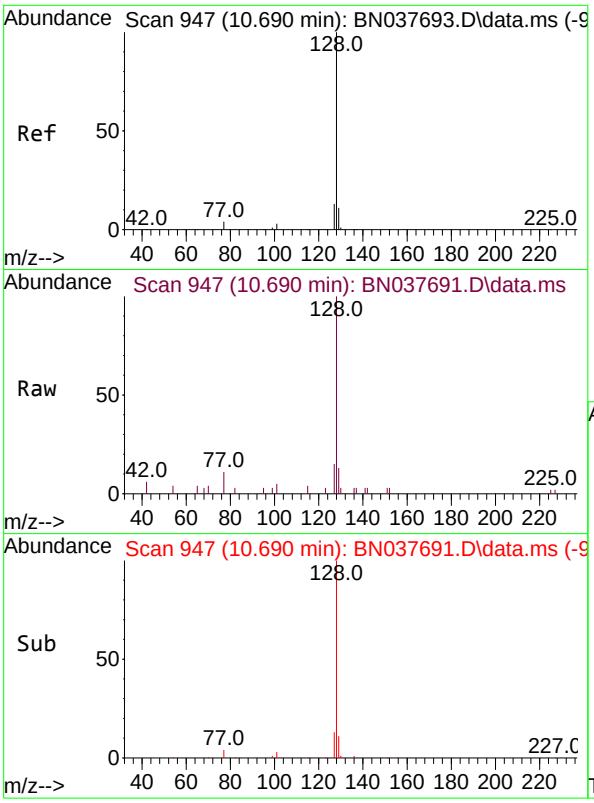


#8
Nitrobenzene-d5
Concen: 0.098 ng
RT: 8.992 min Scan# 788
Delta R.T. -0.000 min
Lab File: BN037691.D
Acq: 11 Sep 2025 09:56

Tgt Ion: 82 Resp: 1006

Ion	Ratio	Lower	Upper
82	100		
128	50.1	38.3	57.5
54	54.5	41.4	62.2



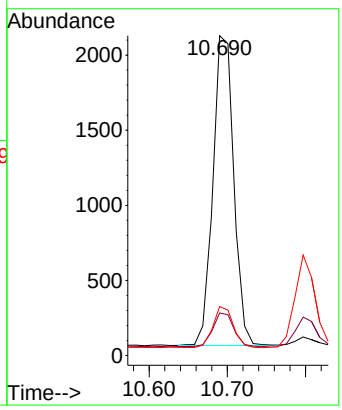


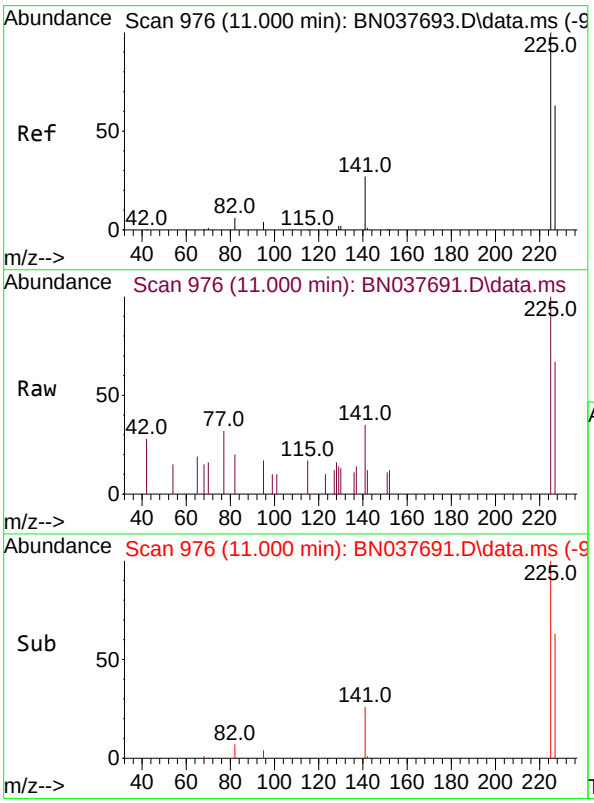
#9
Naphthalene
Concen: 0.100 ng
RT: 10.690 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN037691.D
Acq: 11 Sep 2025 09:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:128 Resp: 3822

Ion	Ratio	Lower	Upper
128	100		
129	13.3	9.1	13.7
127	15.3	10.9	16.3

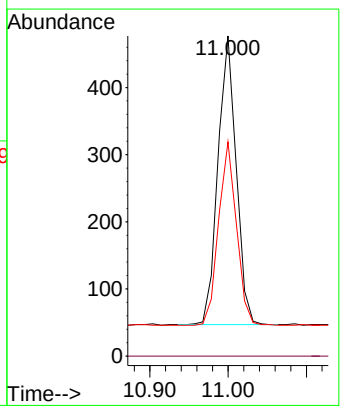


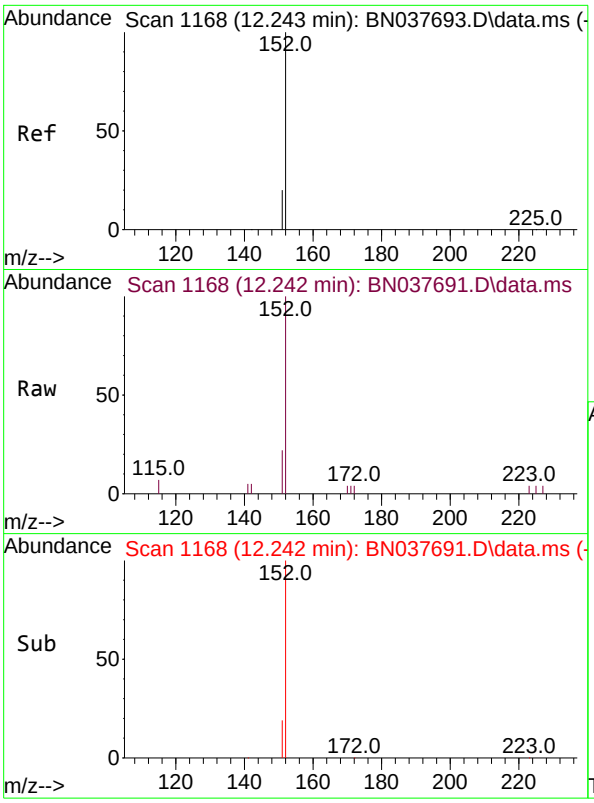


#10
Hexachlorobutadiene
Concen: 0.101 ng
RT: 11.000 min Scan# 976
Delta R.T. -0.000 min
Lab File: BN037691.D
Acq: 11 Sep 2025 09:56

Tgt Ion:225 Resp: 697

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	62.6	50.9	76.3



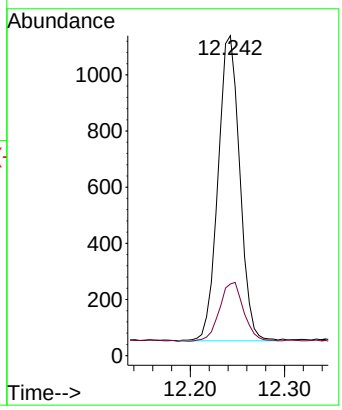


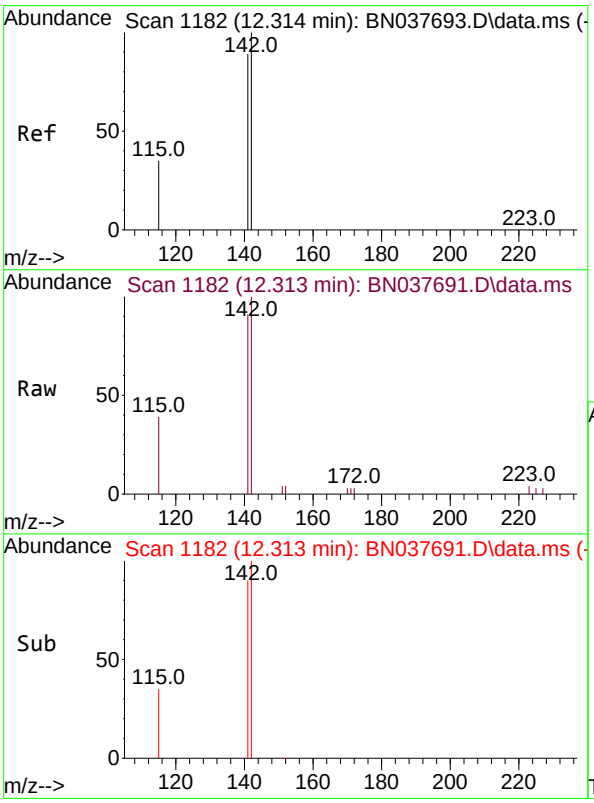
#11
2-Methylnaphthalene-d10
Concen: 0.094 ng
RT: 12.242 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN037691.D
Acq: 11 Sep 2025 09:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:152 Resp: 1740

Ion	Ratio	Lower	Upper
152	100		
151	21.2	17.0	25.6

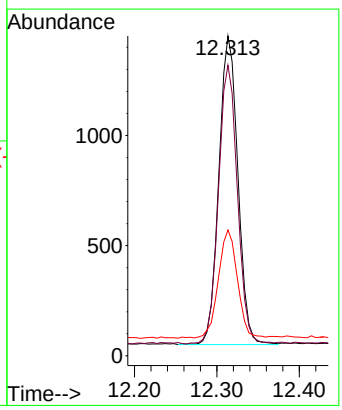


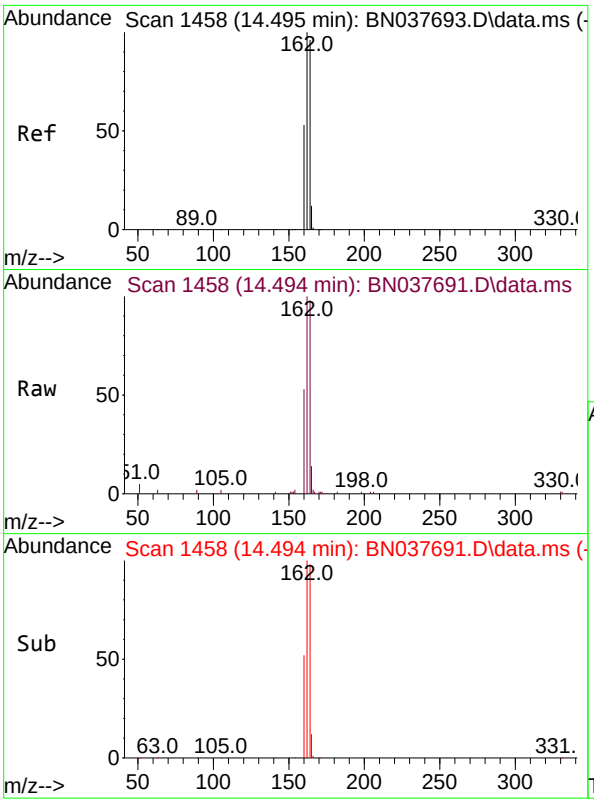


#12
2-Methylnaphthalene
Concen: 0.095 ng
RT: 12.313 min Scan# 1182
Delta R.T. -0.000 min
Lab File: BN037691.D
Acq: 11 Sep 2025 09:56

Tgt Ion:142 Resp: 2253

Ion	Ratio	Lower	Upper
142	100		
141	90.8	71.6	107.4
115	39.3	28.6	43.0



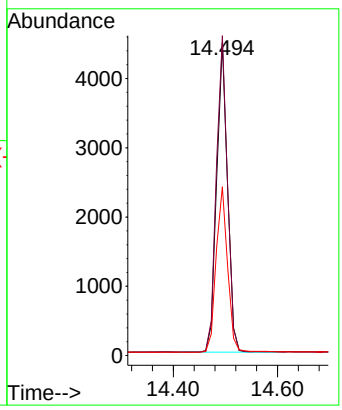


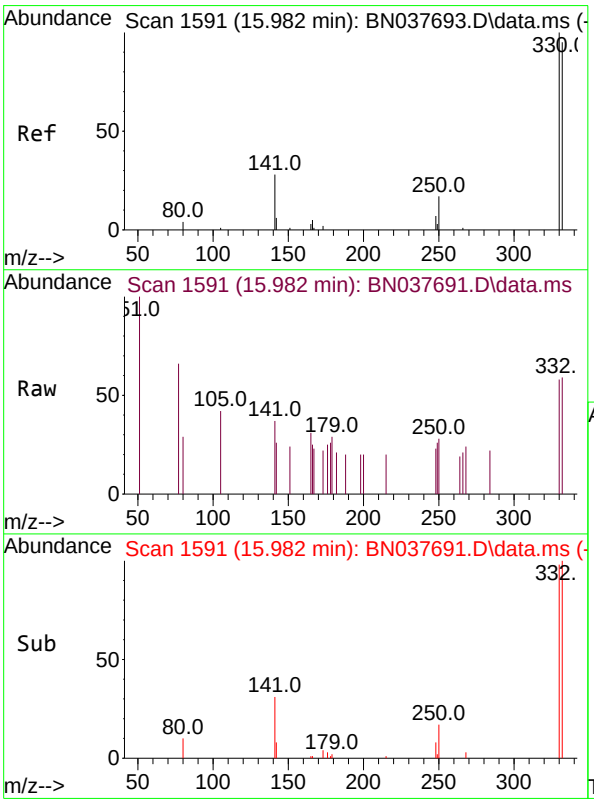
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.494 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN037691.D
Acq: 11 Sep 2025 09:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:164 Resp: 6484

Ion	Ratio	Lower	Upper
164	100		
162	102.4	83.1	124.7
160	54.0	44.3	66.5

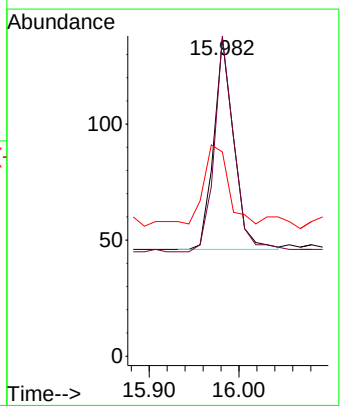


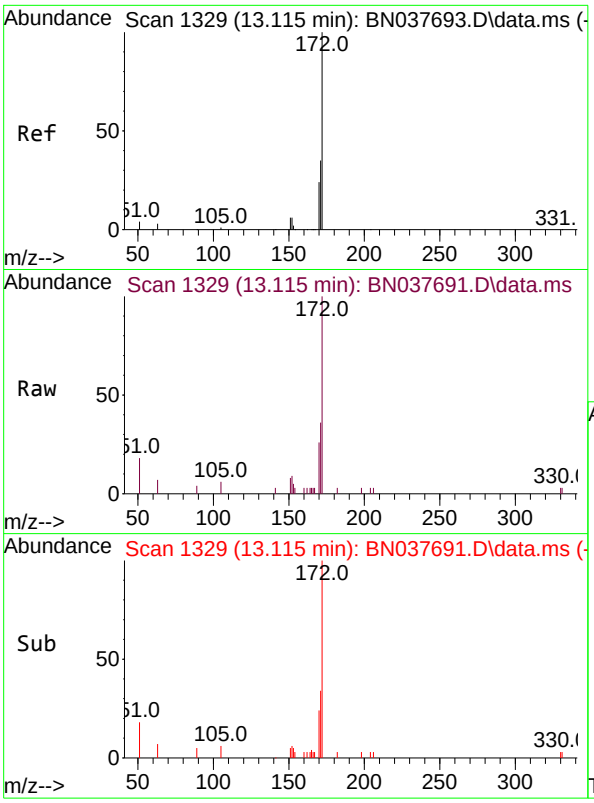


#14
2,4,6-Tribromophenol
Concen: 0.084 ng
RT: 15.982 min Scan# 1591
Delta R.T. -0.000 min
Lab File: BN037691.D
Acq: 11 Sep 2025 09:56

Tgt Ion:330 Resp: 142

Ion	Ratio	Lower	Upper
330	100		
332	101.4	75.3	112.9
141	44.4	35.0	52.4



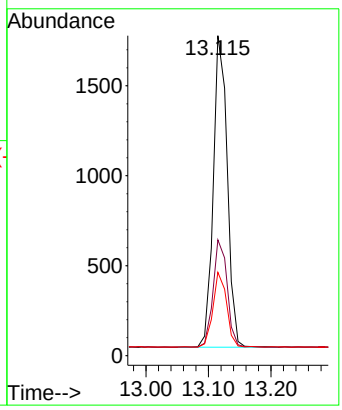


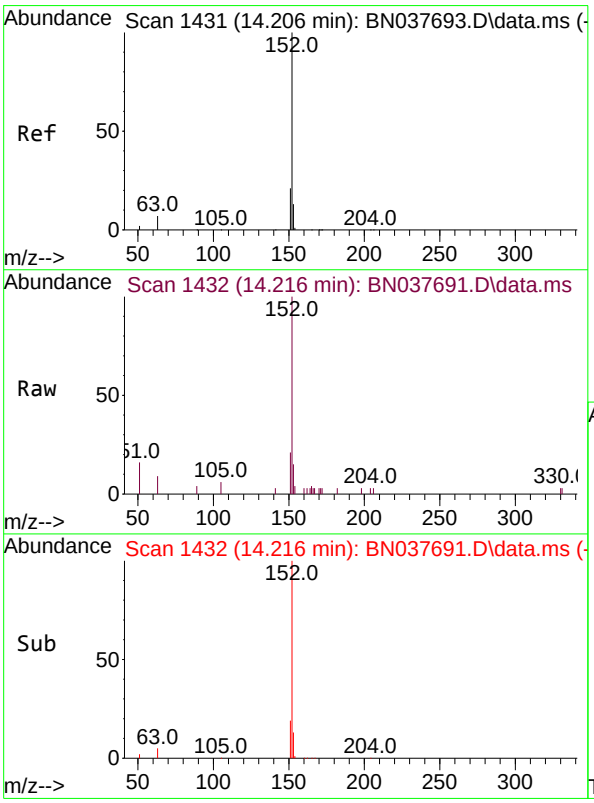
#15
2-Fluorobiphenyl
Concen: 0.099 ng
RT: 13.115 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037691.D
Acq: 11 Sep 2025 09:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:172 Resp: 2696

Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.6	43.0
170	26.0	19.8	29.8

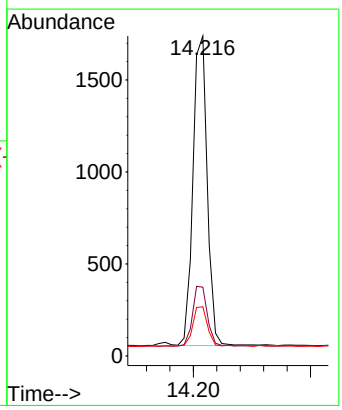


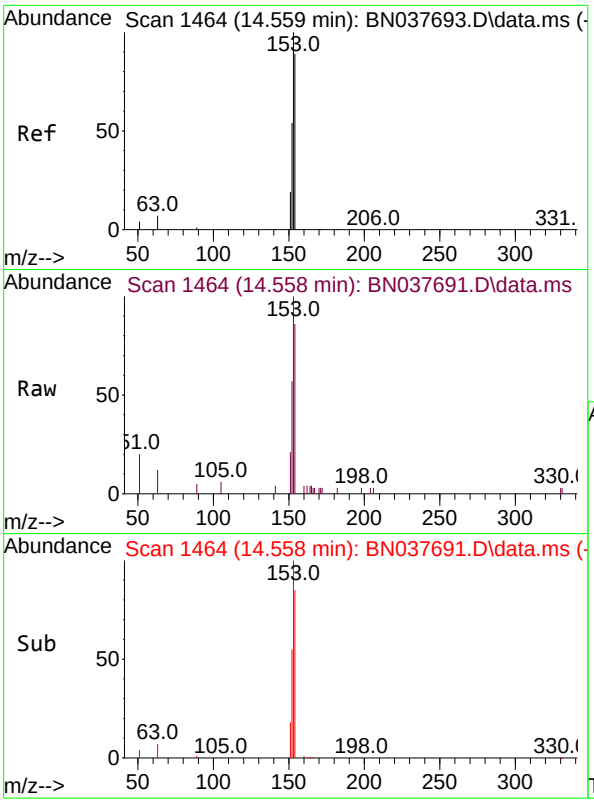


#16
Acenaphthylene
Concen: 0.096 ng
RT: 14.216 min Scan# 1432
Delta R.T. 0.010 min
Lab File: BN037691.D
Acq: 11 Sep 2025 09:56

Tgt Ion:152 Resp: 2843

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.2	24.2
153	13.5	10.4	15.6



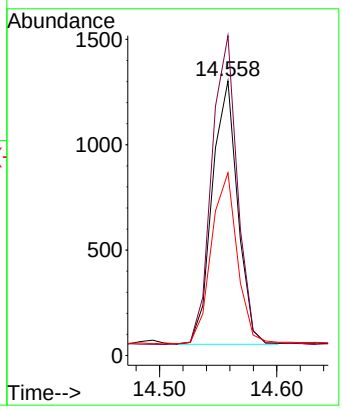


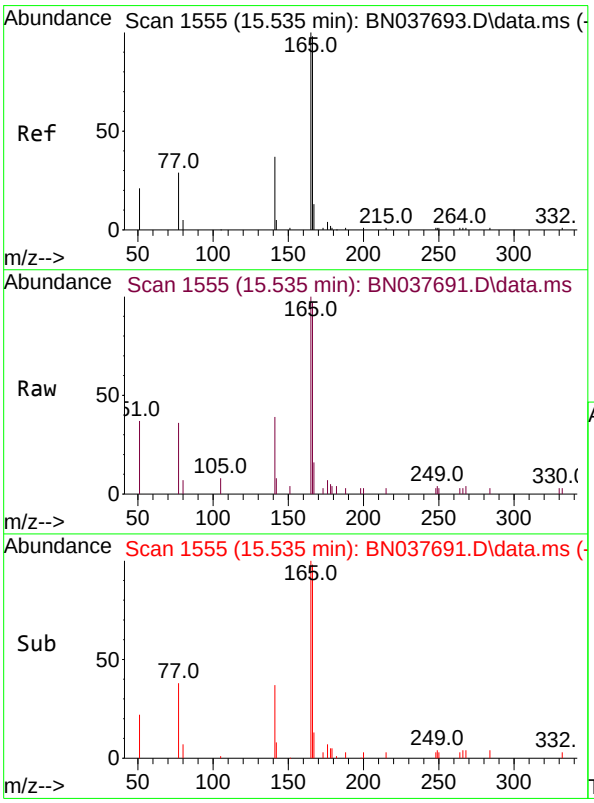
#17
Acenaphthene
Concen: 0.094 ng
RT: 14.558 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN037691.D
Acq: 11 Sep 2025 09:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:154 Resp: 1889

Ion	Ratio	Lower	Upper
154	100		
153	118.1	89.8	134.8
152	67.5	50.2	75.2

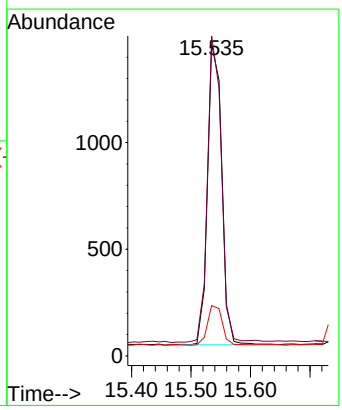


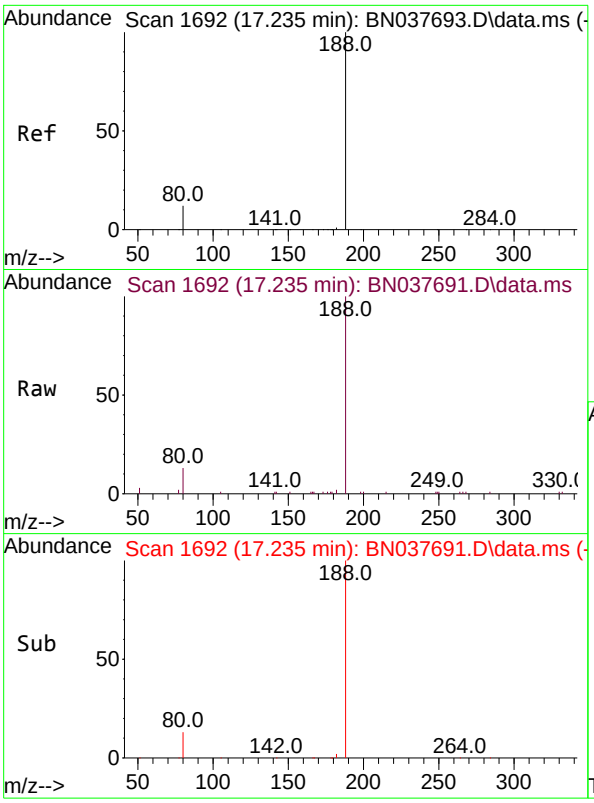


#18
Fluorene
Concen: 0.093 ng
RT: 15.535 min Scan# 1555
Delta R.T. -0.000 min
Lab File: BN037691.D
Acq: 11 Sep 2025 09:56

Tgt Ion:166 Resp: 2276

Ion	Ratio	Lower	Upper
166	100		
165	100.0	79.6	119.4
167	14.0	10.6	16.0



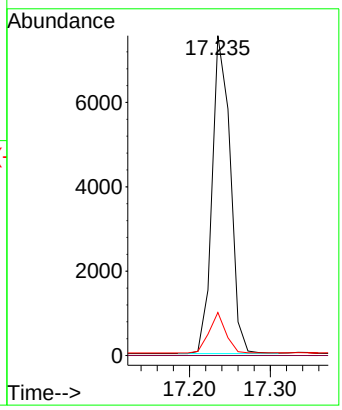


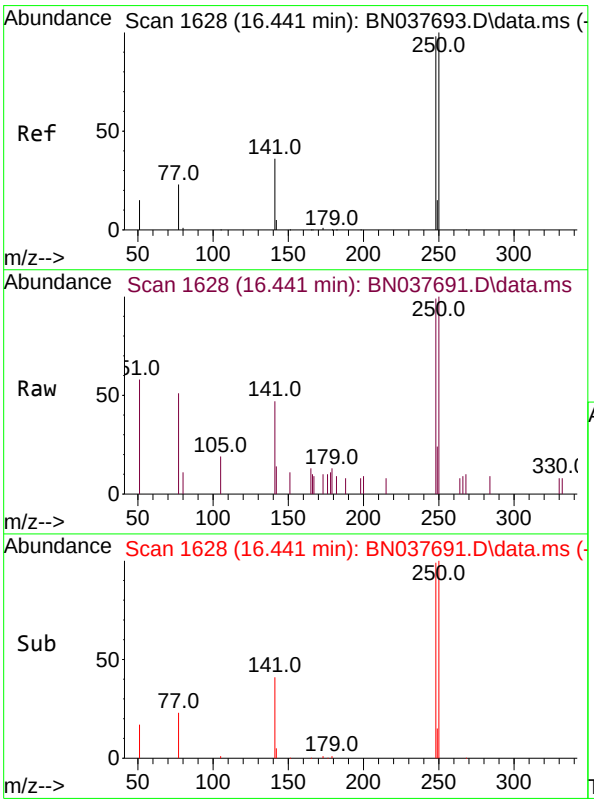
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.235 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037691.D
Acq: 11 Sep 2025 09:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:188 Resp: 11736

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	13.5	10.6	15.8

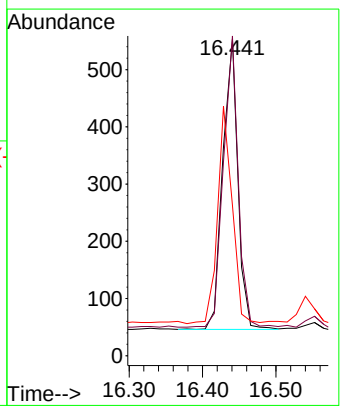


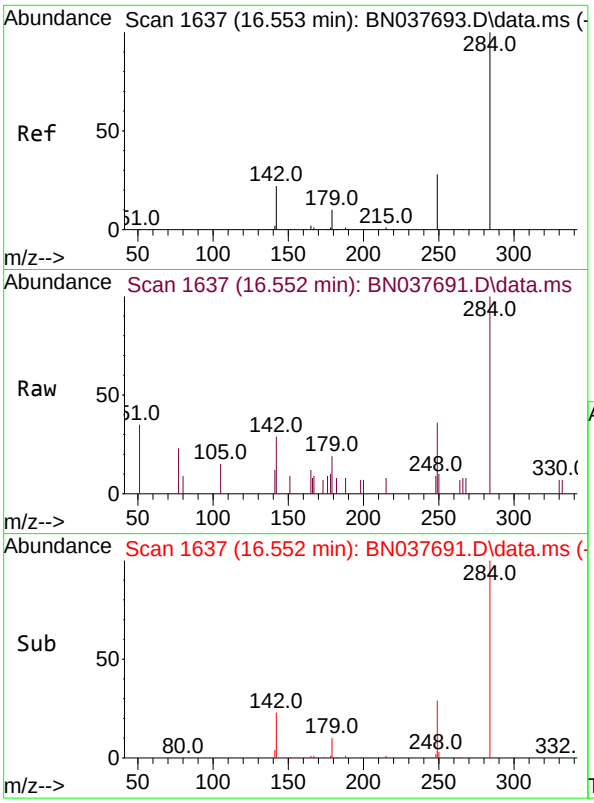


#21
4-Bromophenyl-phenylether
Concen: 0.096 ng
RT: 16.441 min Scan# 1628
Delta R.T. -0.000 min
Lab File: BN037691.D
Acq: 11 Sep 2025 09:56

Tgt Ion:248 Resp: 733

Ion	Ratio	Lower	Upper
248	100		
250	101.1	81.5	122.3
141	47.6	30.8	46.2#



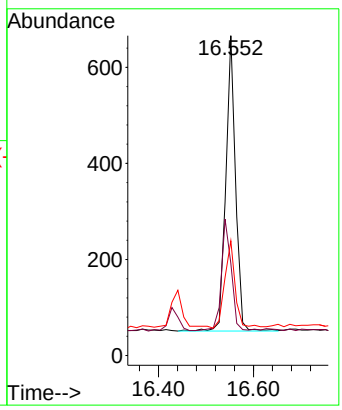


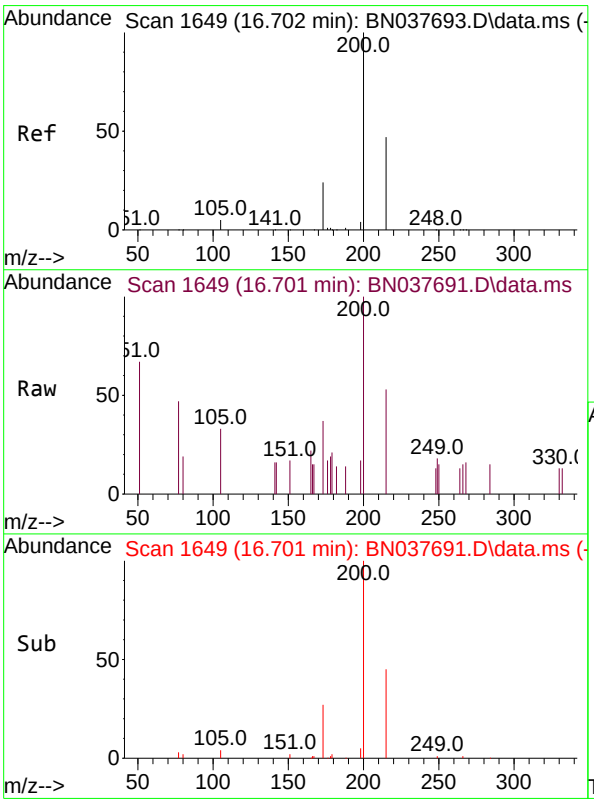
#22
Hexachlorobenzene
Concen: 0.100 ng
RT: 16.552 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037691.D
Acq: 11 Sep 2025 09:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:284 Resp: 883

Ion	Ratio	Lower	Upper
284	100		
142	38.1	30.9	46.3
249	29.9	24.8	37.2

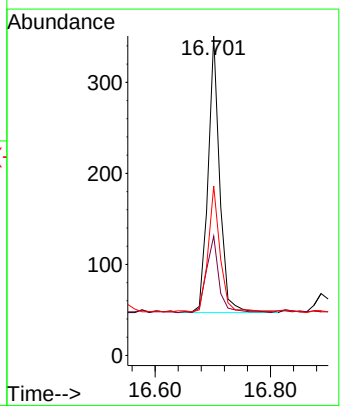


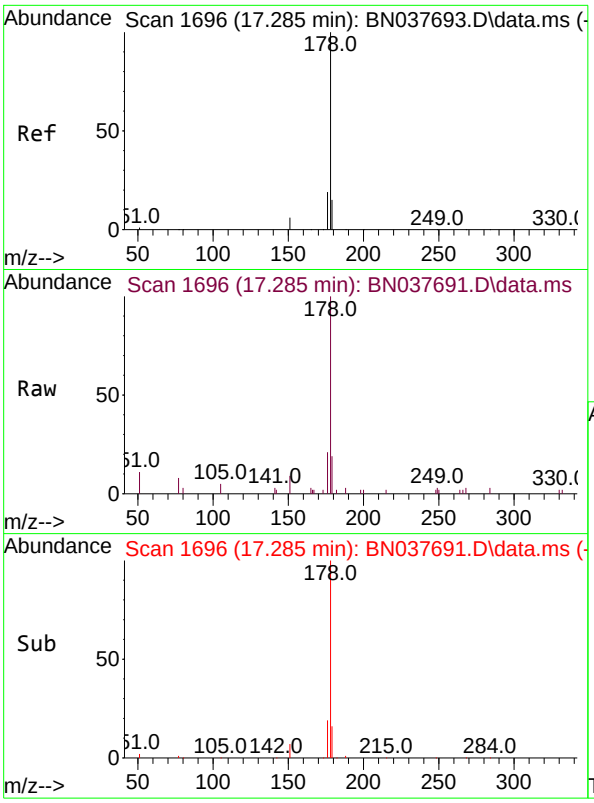


#23
Atrazine
Concen: 0.088 ng
RT: 16.701 min Scan# 1649
Delta R.T. -0.000 min
Lab File: BN037691.D
Acq: 11 Sep 2025 09:56

Tgt Ion:200 Resp: 426

Ion	Ratio	Lower	Upper
200	100		
173	37.3	21.4	32.2#
215	53.0	39.2	58.8



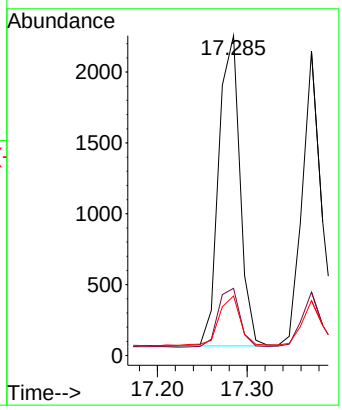


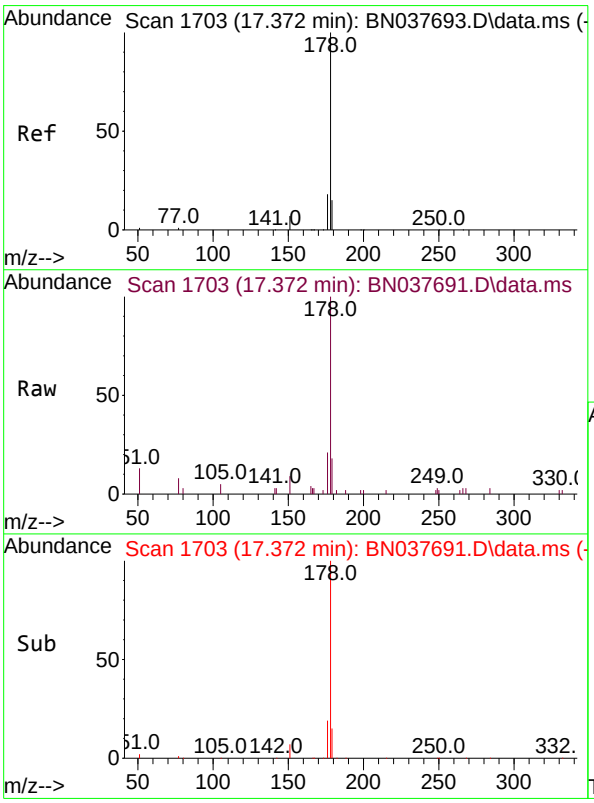
#25
Phenanthrene
Concen: 0.098 ng
RT: 17.285 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037691.D
Acq: 11 Sep 2025 09:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:178 Resp: 3604

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.3	22.9
179	16.6	12.2	18.2

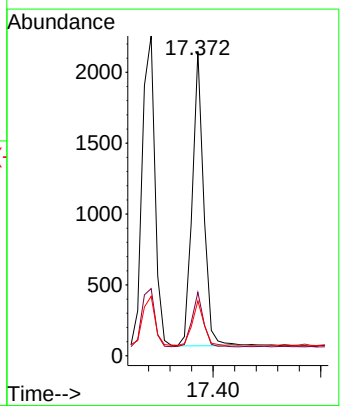


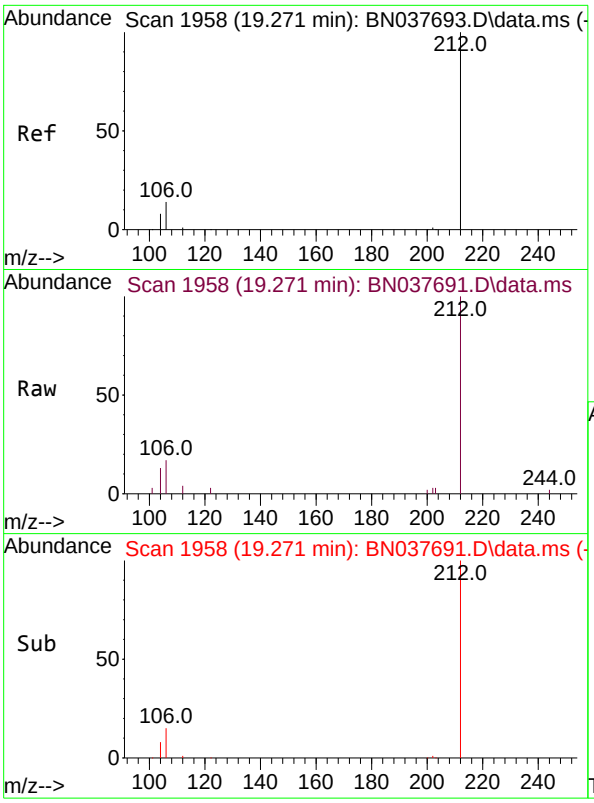


#26
Anthracene
Concen: 0.093 ng
RT: 17.372 min Scan# 1703
Delta R.T. -0.000 min
Lab File: BN037691.D
Acq: 11 Sep 2025 09:56

Tgt Ion:178 Resp: 3046

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.6	22.0
179	15.1	12.2	18.4



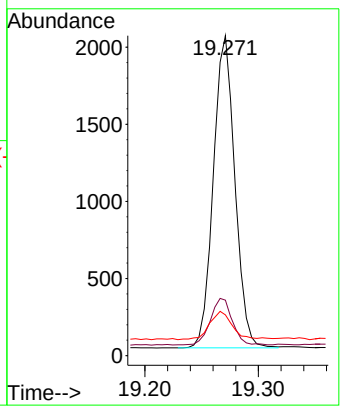


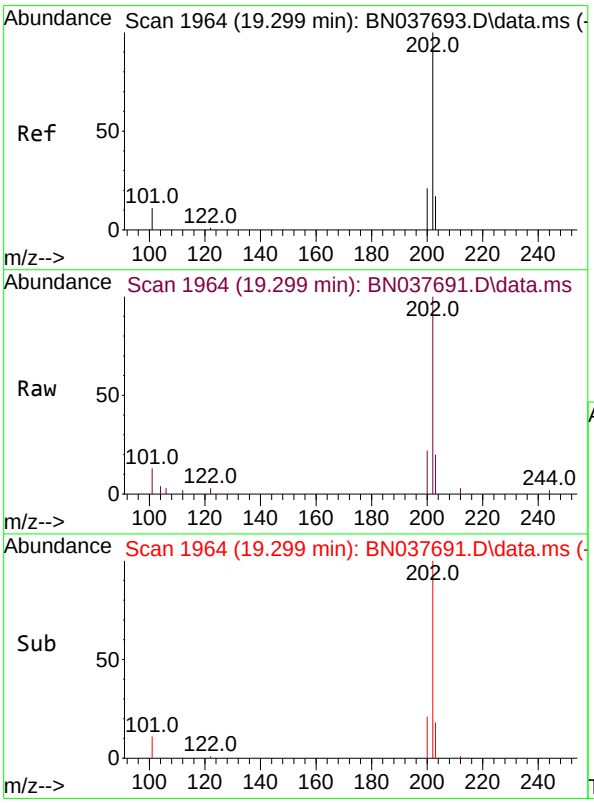
#27
Fluoranthene-d10
Concen: 0.091 ng
RT: 19.271 min Scan# 19
Delta R.T. -0.000 min
Lab File: BN037691.D
Acq: 11 Sep 2025 09:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:212 Resp: 2677

Ion	Ratio	Lower	Upper
212	100		
106	14.9	12.2	18.2
104	9.4	6.9	10.3

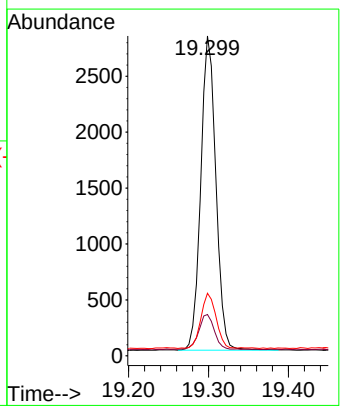


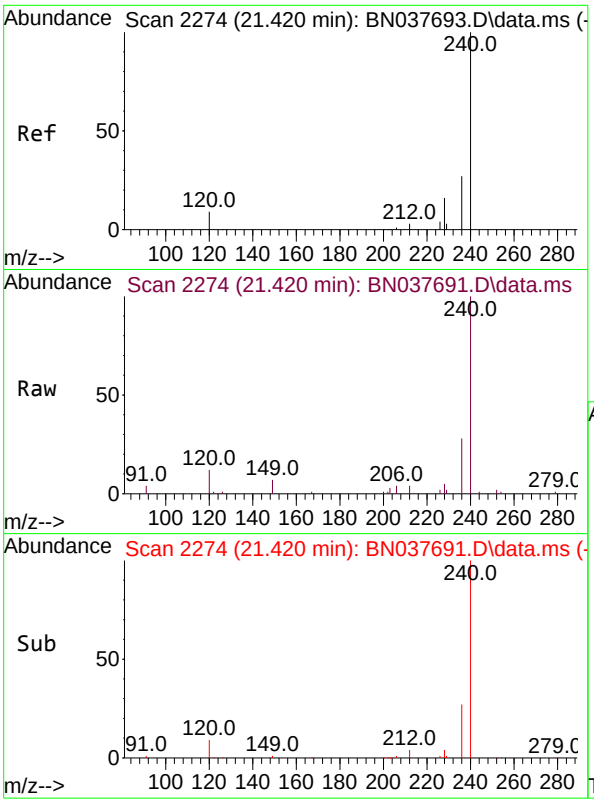


#28
Fluoranthene
Concen: 0.091 ng
RT: 19.299 min Scan# 1964
Delta R.T. -0.000 min
Lab File: BN037691.D
Acq: 11 Sep 2025 09:56

Tgt Ion:202 Resp: 3689

Ion	Ratio	Lower	Upper
202	100		
101	11.4	9.3	13.9
203	17.5	13.7	20.5



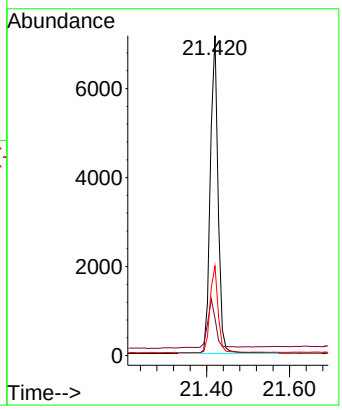


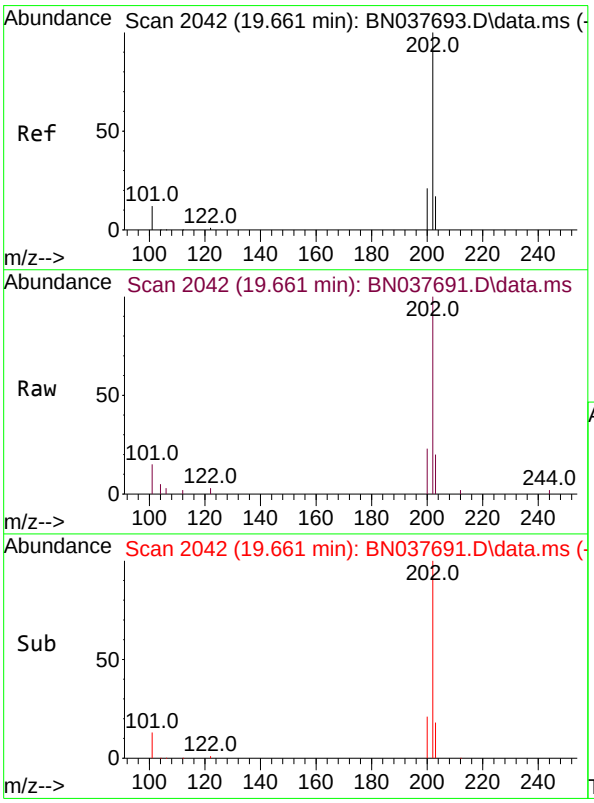
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.420 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN037691.D
Acq: 11 Sep 2025 09:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:240 Resp: 9323

Ion	Ratio	Lower	Upper
240	100		
120	11.6	9.2	13.8
236	28.0	22.6	33.8

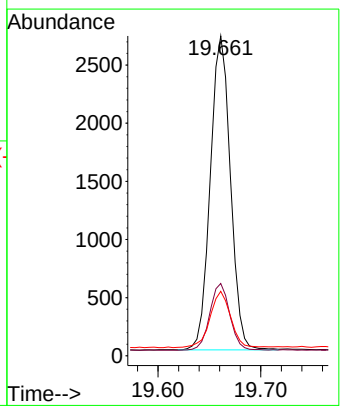


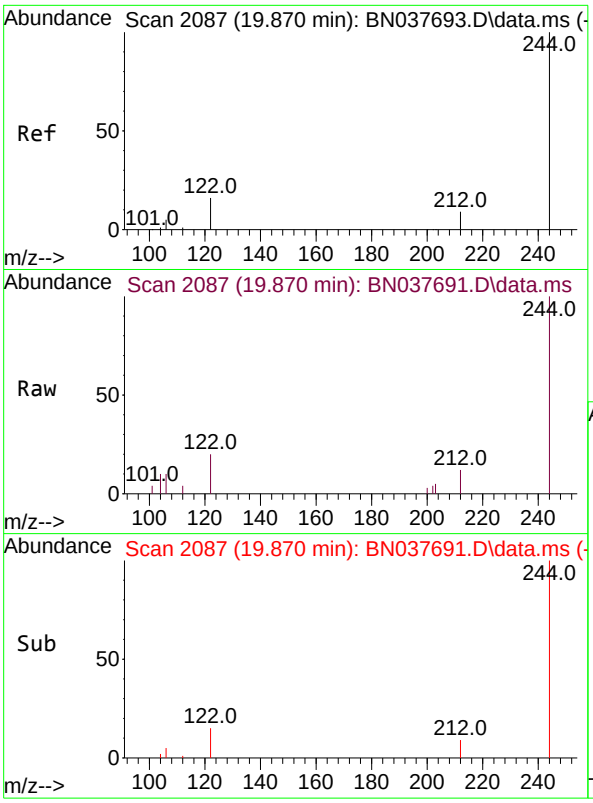


#30
Pyrene
Concen: 0.101 ng
RT: 19.661 min Scan# 2042
Delta R.T. -0.000 min
Lab File: BN037691.D
Acq: 11 Sep 2025 09:56

Tgt Ion:202 Resp: 3679

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.8	25.2
203	18.4	14.3	21.5



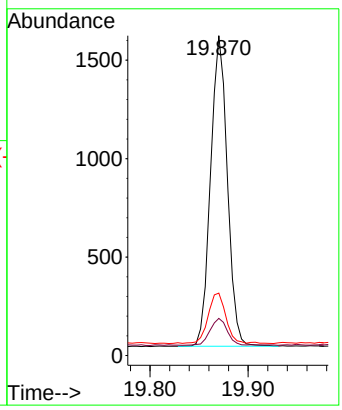


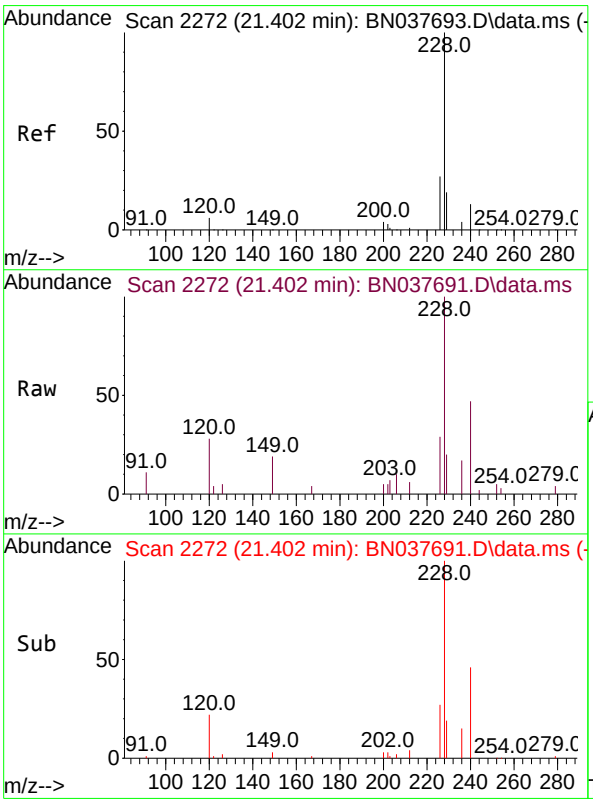
#31
Terphenyl-d14
Concen: 0.099 ng
RT: 19.870 min Scan# 20
Delta R.T. -0.000 min
Lab File: BN037691.D
Acq: 11 Sep 2025 09:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:244 Resp: 1879

Ion	Ratio	Lower	Upper
244	100		
212	11.6	7.5	11.3#
122	19.5	13.2	19.8

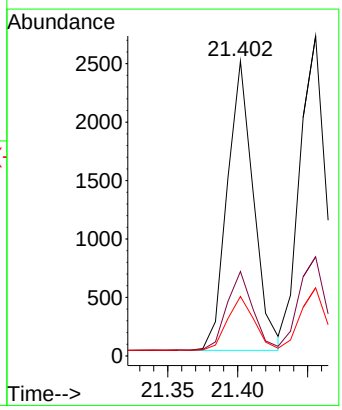


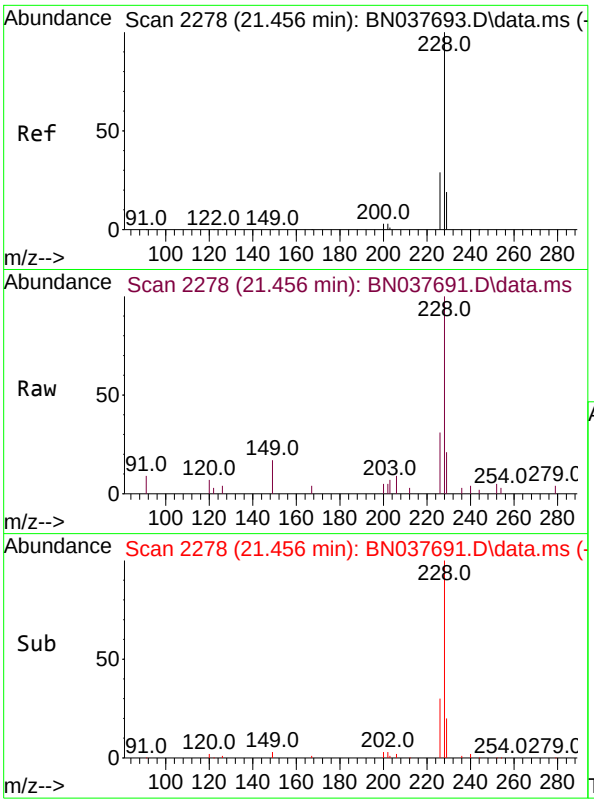


#32
Benzo(a)anthracene
Concen: 0.099 ng
RT: 21.402 min Scan# 2272
Delta R.T. -0.000 min
Lab File: BN037691.D
Acq: 11 Sep 2025 09:56

Tgt Ion:228 Resp: 3231

Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.2	33.2
229	20.2	15.8	23.6



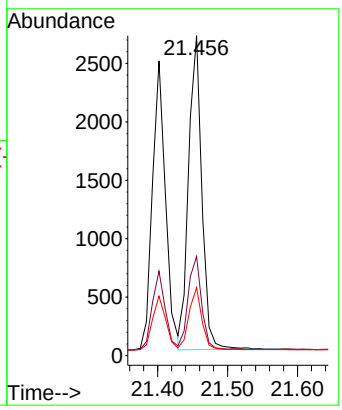


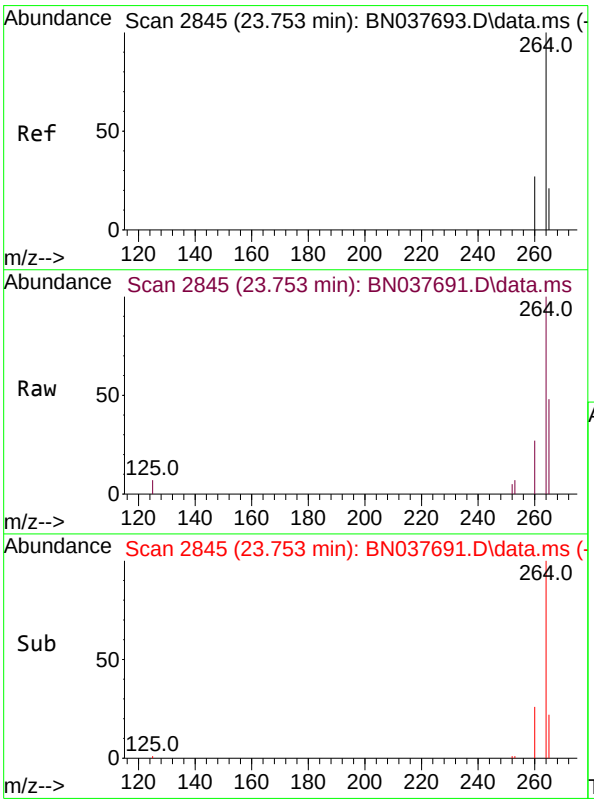
#33
Chrysene
Concen: 0.102 ng
RT: 21.456 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037691.D
Acq: 11 Sep 2025 09:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:228 Resp: 3549

Ion	Ratio	Lower	Upper
228	100		
226	31.0	23.5	35.3
229	21.3	15.9	23.9

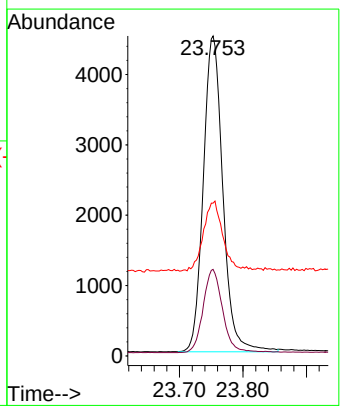


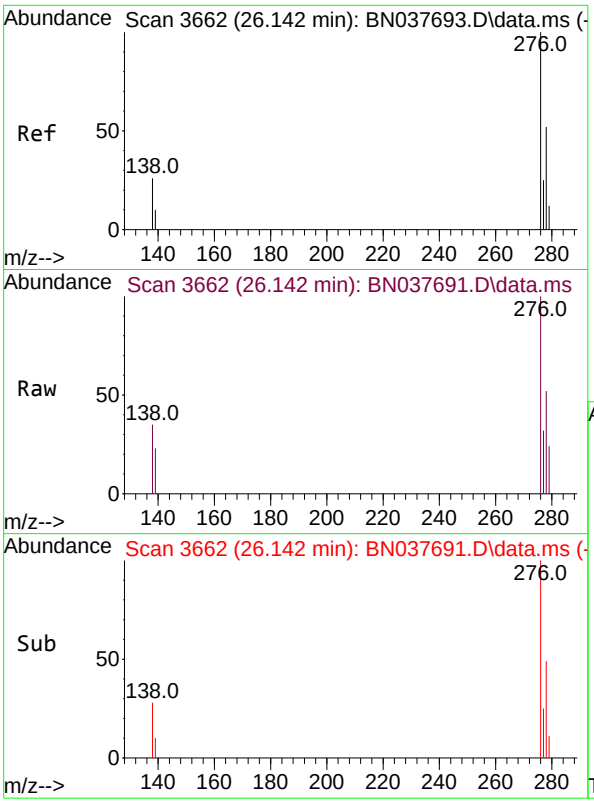


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.753 min Scan# 2845
Delta R.T. -0.000 min
Lab File: BN037691.D
Acq: 11 Sep 2025 09:56

Tgt Ion:264 Resp: 9603

Ion	Ratio	Lower	Upper
264	100		
260	27.0	21.8	32.8
265	47.7	39.4	59.2



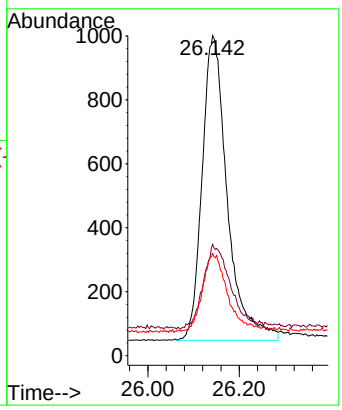


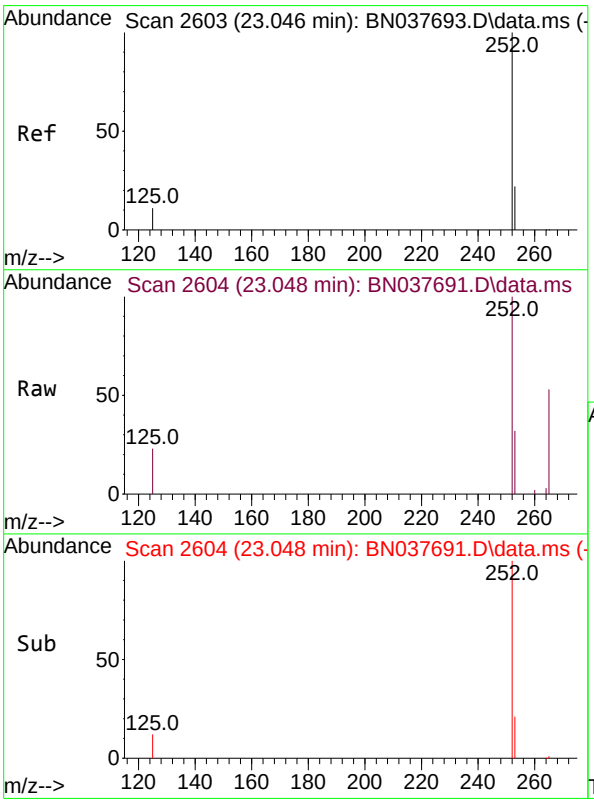
#36
Indeno(1,2,3-cd)pyrene
Concen: 0.090 ng
RT: 26.142 min Scan# 3
Delta R.T. -0.000 min
Lab File: BN037691.D
Acq: 11 Sep 2025 09:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:276 Resp: 3642

Ion	Ratio	Lower	Upper
276	100		
138	29.4	21.9	32.9
277	23.8	20.1	30.1

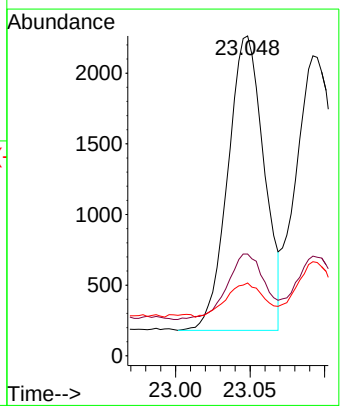


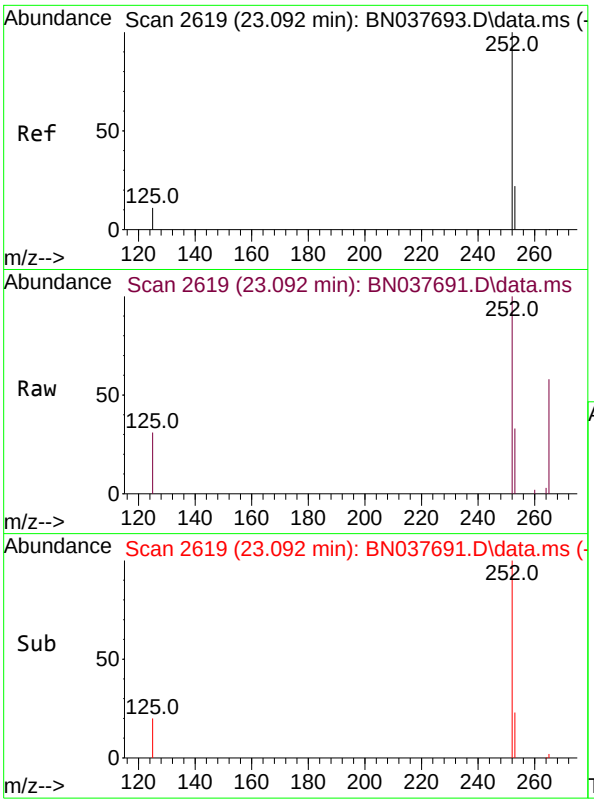


#37
Benzo(b)fluoranthene
Concen: 0.093 ng
RT: 23.048 min Scan# 2604
Delta R.T. 0.003 min
Lab File: BN037691.D
Acq: 11 Sep 2025 09:56

Tgt Ion:252 Resp: 3513

Ion	Ratio	Lower	Upper
252	100		
253	31.8	19.4	29.2#
125	22.8	11.2	16.8#



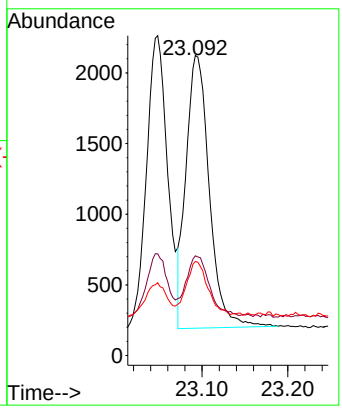


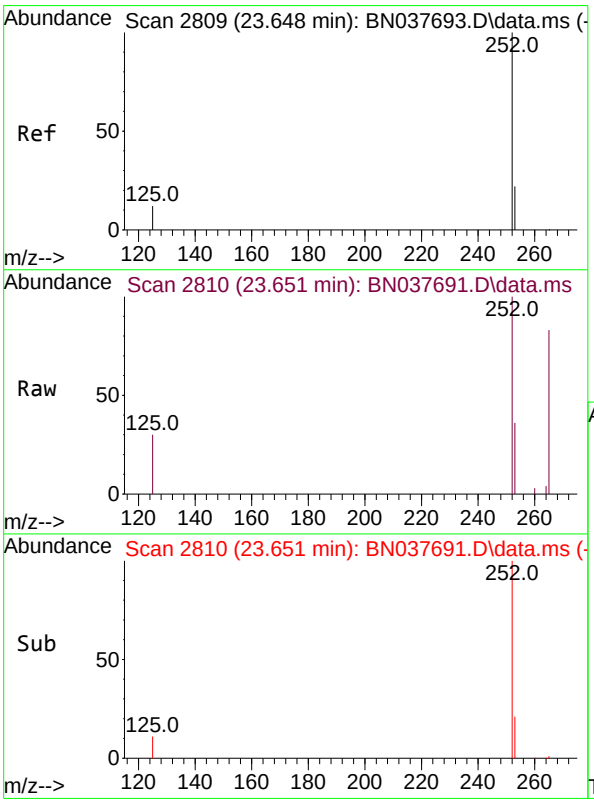
#38
Benzo(k)fluoranthene
Concen: 0.094 ng
RT: 23.092 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037691.D
Acq: 11 Sep 2025 09:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:252 Resp: 3640

Ion	Ratio	Lower	Upper
252	100		
253	33.3	19.4	29.0#
125	31.4	11.6	17.4#

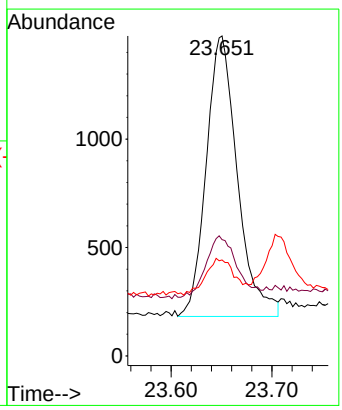


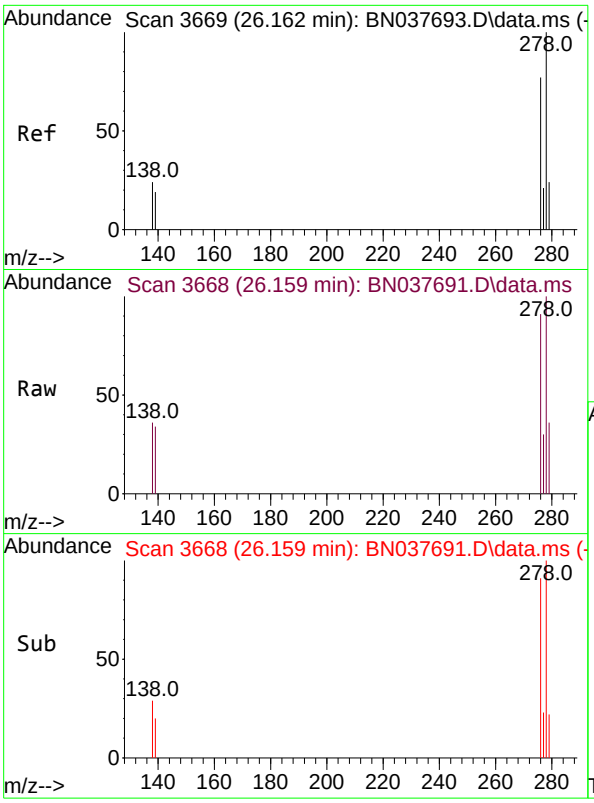


#39
Benzo(a)pyrene
Concen: 0.092 ng
RT: 23.651 min Scan# 2810
Delta R.T. 0.003 min
Lab File: BN037691.D
Acq: 11 Sep 2025 09:56

Tgt Ion:252 Resp: 2774

Ion	Ratio	Lower	Upper
252	100		
253	36.3	20.8	31.2#
125	30.0	13.9	20.9#



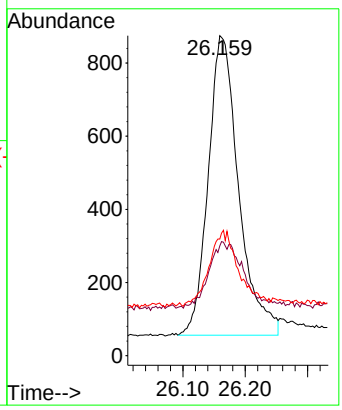


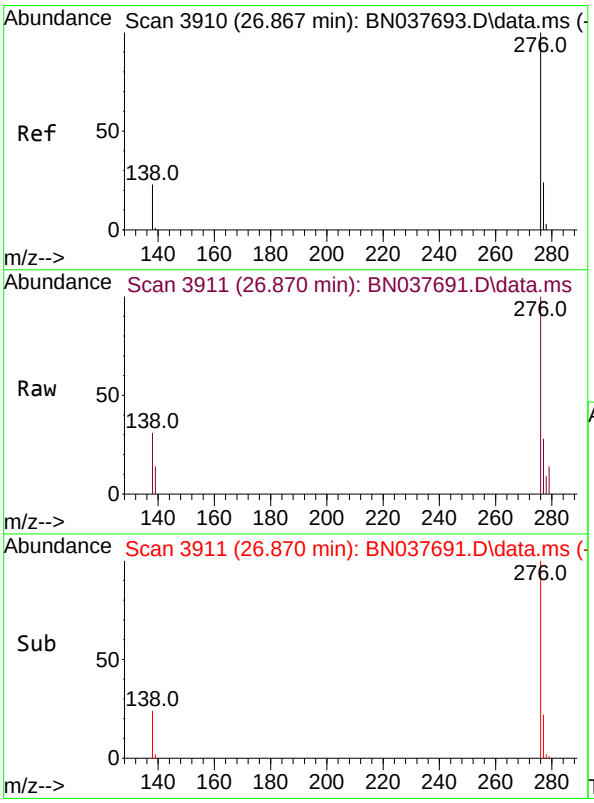
#40
Dibenzo(a,h)anthracene
Concen: 0.086 ng
RT: 26.159 min Scan# 3
Delta R.T. -0.003 min
Lab File: BN037691.D
Acq: 11 Sep 2025 09:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:278 Resp: 2778

Ion	Ratio	Lower	Upper
278	100		
139	34.3	17.8	26.6#
279	36.5	22.0	33.0#

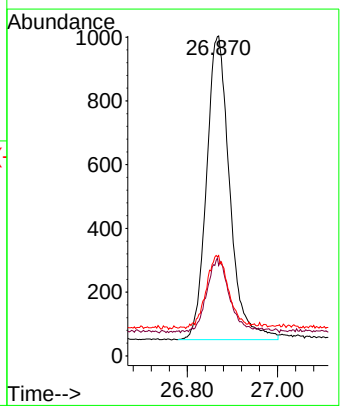




#41
Benzo(g,h,i)perylene
Concen: 0.094 ng
RT: 26.870 min Scan# 3911
Delta R.T. 0.003 min
Lab File: BN037691.D
Acq: 11 Sep 2025 09:56

Tgt Ion:276 Resp: 3393

Ion	Ratio	Lower	Upper
276	100		
277	28.3	20.6	31.0
138	31.4	20.2	30.2#



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091125\
Data File : BN037692.D
Acq On : 11 Sep 2025 10:32
Operator : RC/JU
Sample : SSTDICC0.2
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 09/12/2025
Supervised By :Jagrut Upadhyay 09/12/2025

Quant Time: Sep 11 14:05:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:02:44 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.840	152	5547	0.400	ng		0.00
7) Naphthalene-d8	10.648	136	15018	0.400	ng		0.00
13) Acenaphthene-d10	14.494	164	6952	0.400	ng		0.00
19) Phenanthrene-d10	17.235	188	12385	0.400	ng		0.00
29) Chrysene-d12	21.420	240	9324	0.400	ng		0.00
35) Perylene-d12	23.753	264	9364	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.399	112	2533	0.199	ng		0.00
5) Phenol-d6	6.988	99	3308	0.200	ng		0.00
8) Nitrobenzene-d5	8.993	82	2098	0.191	ng		0.00
11) 2-Methylnaphthalene-d10	12.243	152	3732	0.188	ng		0.00
14) 2,4,6-Tribromophenol	15.982	330	340	0.188	ng		0.00
15) 2-Fluorobiphenyl	13.115	172	5791	0.199	ng		0.00
27) Fluoranthene-d10	19.271	212	5492	0.177	ng		0.00
31) Terphenyl-d14	19.870	244	3884	0.205	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.304	88	1189	0.206	ng		99
3) n-Nitrosodimethylamine	3.608	42	1470	0.195	ng	#	93
6) bis(2-Chloroethyl)ether	7.255	93	2982	0.202	ng		100
9) Naphthalene	10.701	128	8051	0.196	ng		99
10) Hexachlorobutadiene	11.000	225	1472	0.198	ng	#	100
12) 2-Methylnaphthalene	12.314	142	4889	0.193	ng		100
16) Acenaphthylene	14.216	152	6105	0.191	ng		98
17) Acenaphthene	14.559	154	4168	0.193	ng		98
18) Fluorene	15.535	166	4875	0.187	ng		97
20) 4,6-Dinitro-2-methylph...	15.609	198	201	0.175	ng	#	58
21) 4-Bromophenyl-phenylether	16.441	248	1560	0.193	ng		97
22) Hexachlorobenzene	16.553	284	1906	0.205	ng		99
23) Atrazine	16.702	200	932	0.181	ng		96
24) Pentachlorophenol	16.888	266	461	0.171	ng		98
25) Phenanthrene	17.285	178	7526	0.193	ng		98
26) Anthracene	17.372	178	6375	0.185	ng		99
28) Fluoranthene	19.299	202	7577	0.177	ng		100
30) Pyrene	19.661	202	7543	0.207	ng		99
32) Benzo(a)anthracene	21.402	228	6270	0.193	ng		99
33) Chrysene	21.456	228	6953	0.199	ng		98
34) Bis(2-ethylhexyl)phtha...	21.348	149	2049	0.213	ng	#	97
36) Indeno(1,2,3-cd)pyrene	26.142	276	6982	0.177	ng		99
37) Benzo(b)fluoranthene	23.046	252	6907	0.187	ng	#	93
38) Benzo(k)fluoranthene	23.092	252	7226m	0.192	ng		
39) Benzo(a)pyrene	23.651	252	5489	0.186	ng	#	92
40) Dibenzo(a,h)anthracene	26.165	278	5503	0.175	ng	#	90
41) Benzo(g,h,i)perylene	26.864	276	6566	0.186	ng		95

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

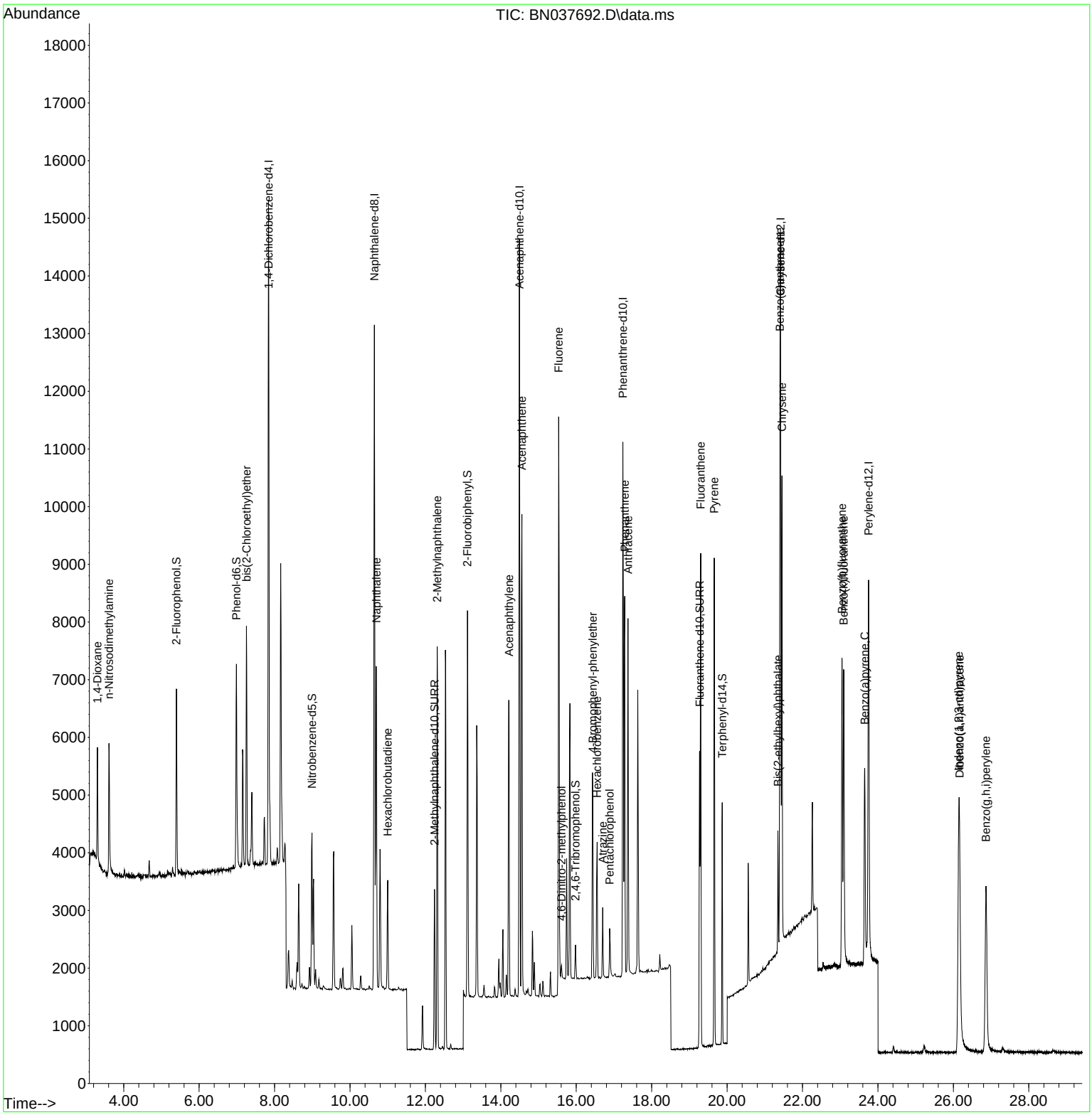
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091125\
Data File : BN037692.D
Acq On : 11 Sep 2025 10:32
Operator : RC/JU
Sample : SSTDICC0.2
Misc :
ALS Vial : 4 Sample Multiplier: 1

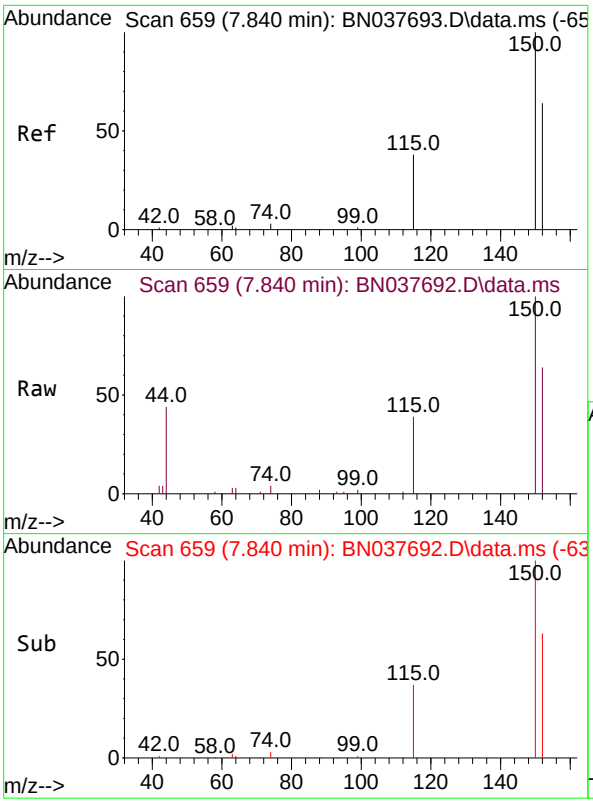
Quant Time: Sep 11 14:05:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:02:44 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 09/12/2025
Supervised By :Jagrut Upadhyay 09/12/2025

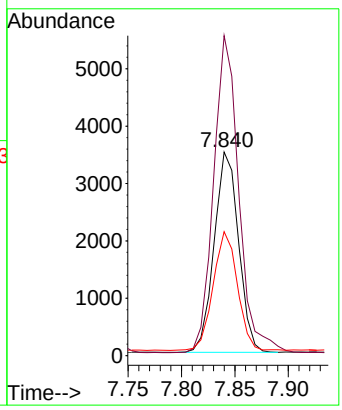




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.840 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Tgt Ion:152 Resp: 554

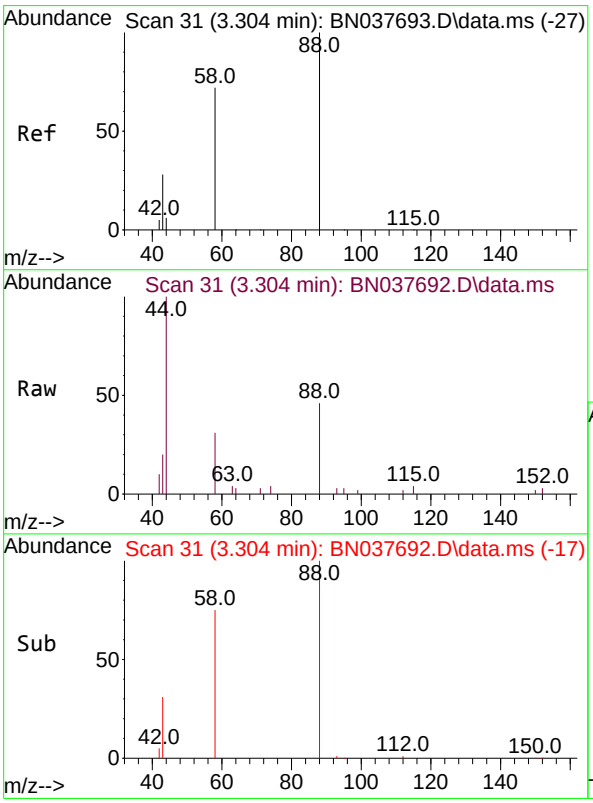
Ion	Ratio	Lower	Upper
152	100		
150	157.2	124.5	186.7
115	60.9	49.2	73.8



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Manual Integrations APPROVED

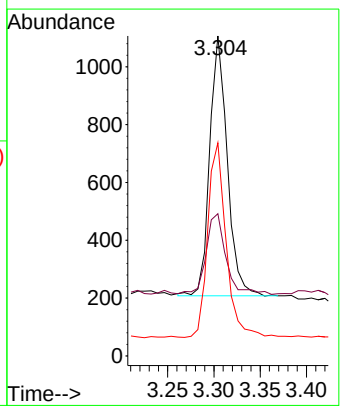
Reviewed By :Rahul Chavli 09/12/2025
Supervised By :Jagrut Upadhyay 09/12/2025

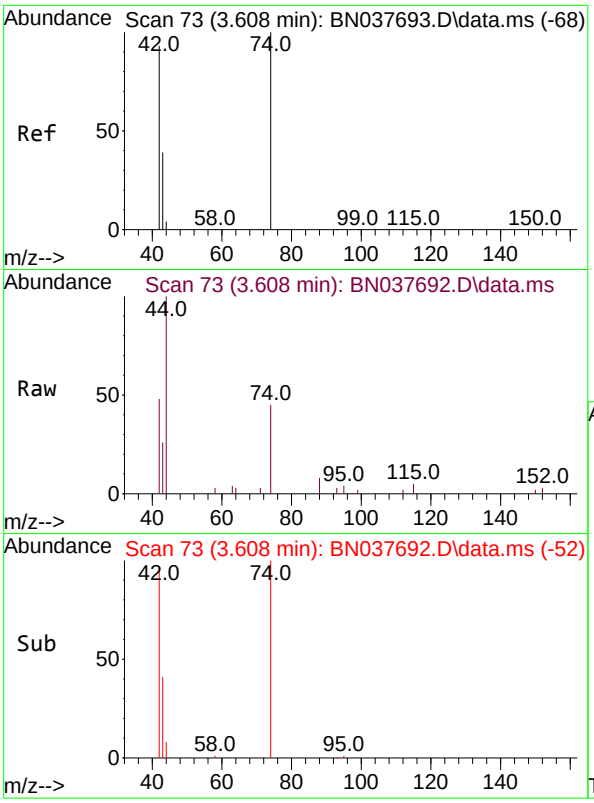


#2
1,4-Dioxane
Concen: 0.206 ng
RT: 3.304 min Scan# 31
Delta R.T. -0.000 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Tgt Ion: 88 Resp: 1189

Ion	Ratio	Lower	Upper
88	100		
43	34.1	26.8	40.2
58	78.4	61.9	92.9

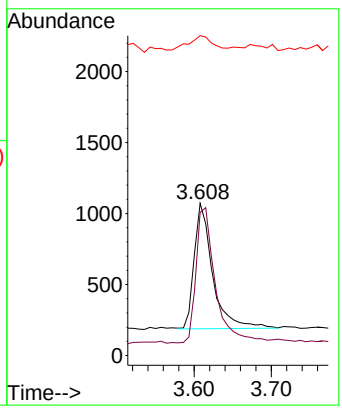




#3
n-Nitrosodimethylamine
Concen: 0.195 ng
RT: 3.608 min Scan# 7
Delta R.T. -0.000 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Tgt Ion: 42 Resp: 147

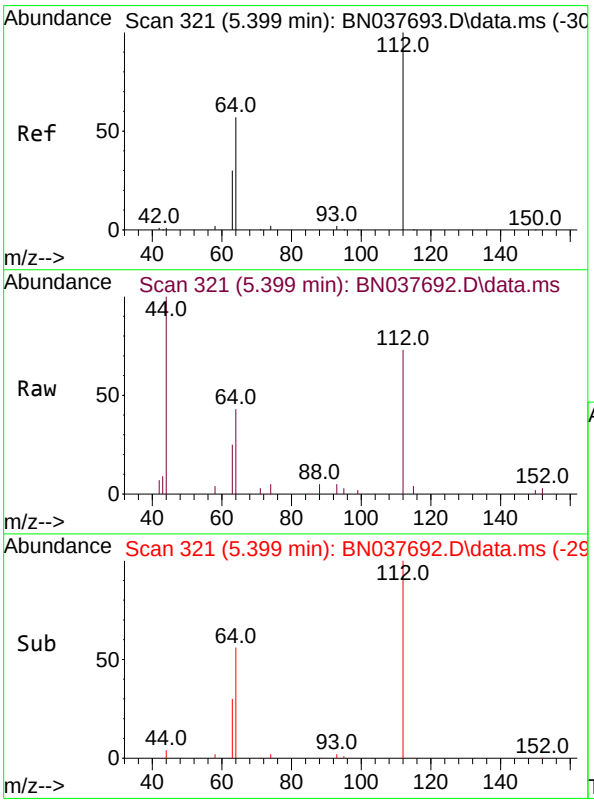
Ion	Ratio	Lower	Upper
42	100		
74	113.6	86.0	129.0
44	16.2	8.4	12.6#



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Manual Integrations APPROVED

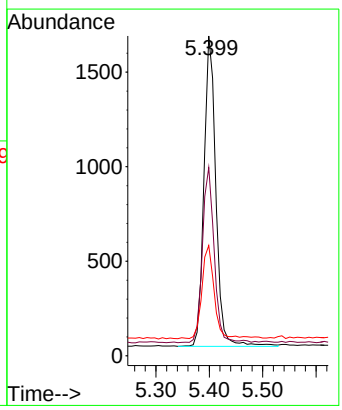
Reviewed By :Rahul Chavli 09/12/2025
Supervised By :Jagrut Upadhyay 09/12/2025

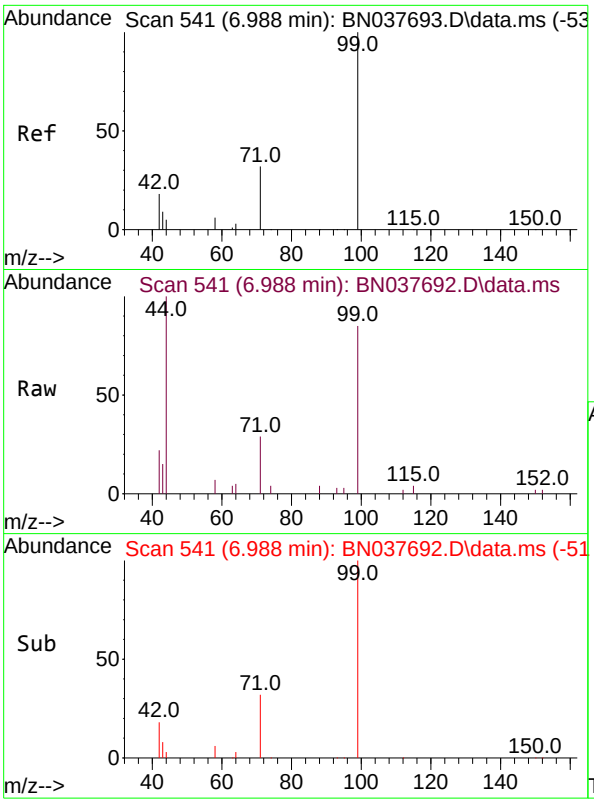


#4
2-Fluorophenol
Concen: 0.199 ng
RT: 5.399 min Scan# 321
Delta R.T. -0.000 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Tgt Ion:112 Resp: 2533

Ion	Ratio	Lower	Upper
112	100		
64	55.5	44.9	67.3
63	30.4	24.7	37.1





#5
Phenol-d6
Concen: 0.200 ng
RT: 6.988 min Scan# 54
Delta R.T. -0.000 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion: 99 Resp: 3308

Ion	Ratio	Lower	Upper
99	100		
42	24.3	16.6	24.8
71	32.8	26.7	40.1

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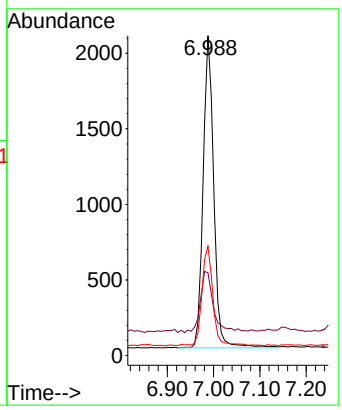
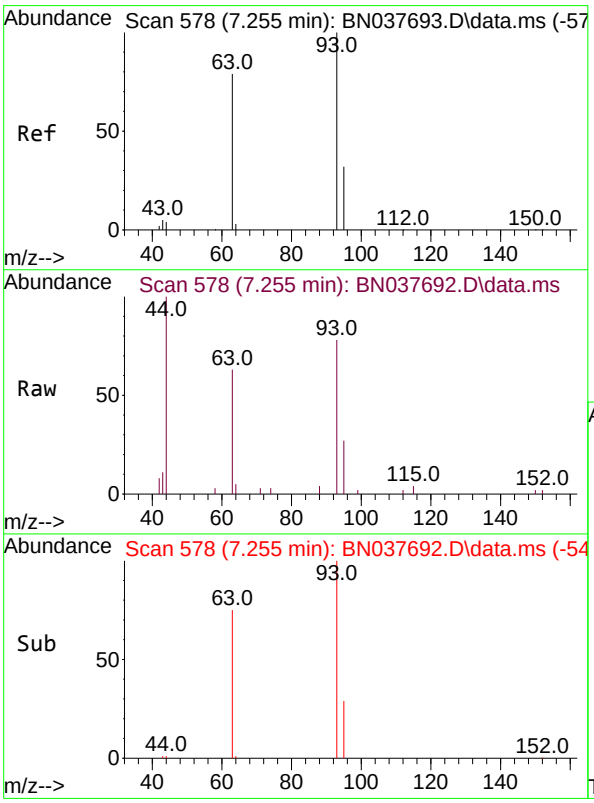
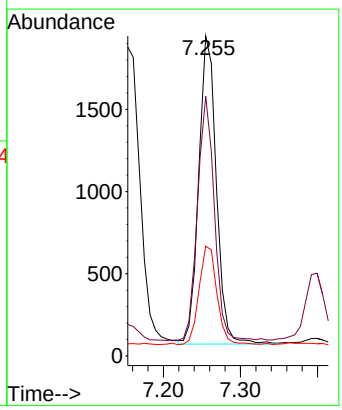


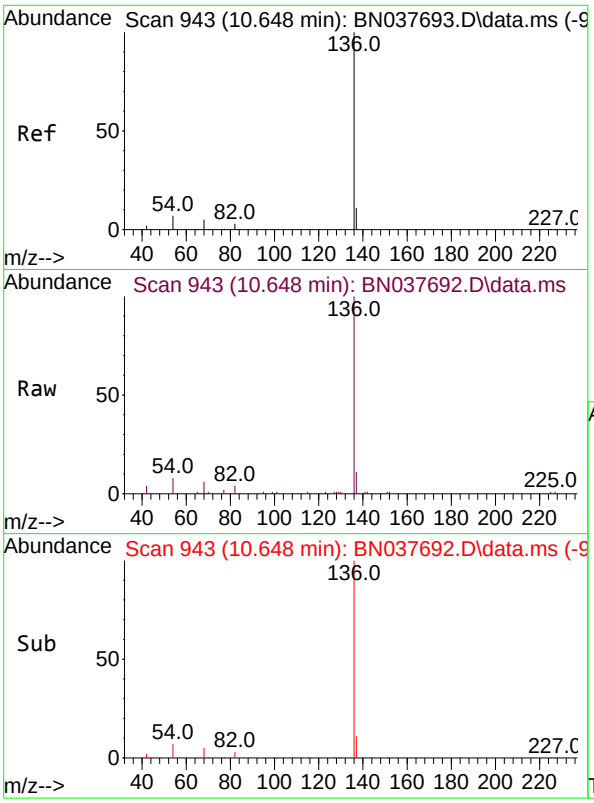


#6
bis(2-Chloroethyl)ether
Concen: 0.202 ng
RT: 7.255 min Scan# 578
Delta R.T. -0.000 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Tgt Ion: 93 Resp: 2982

Ion	Ratio	Lower	Upper
93	100		
63	75.7	60.6	90.8
95	32.5	26.0	39.0

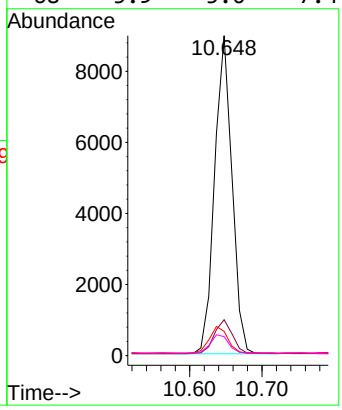




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.648 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Tgt Ion:136 Resp: 15018

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	7.6	6.3	9.5
68	5.9	5.0	7.4



Instrument :
BNA_N
ClientSampleId :
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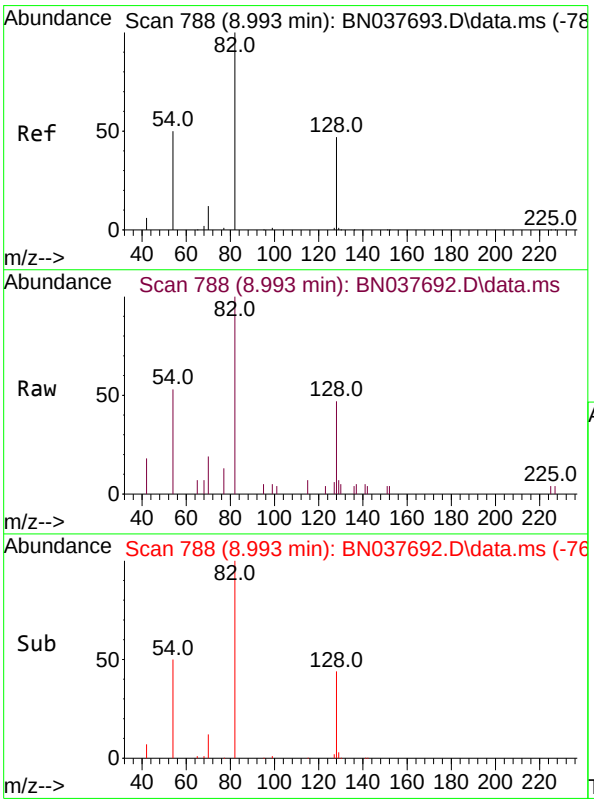
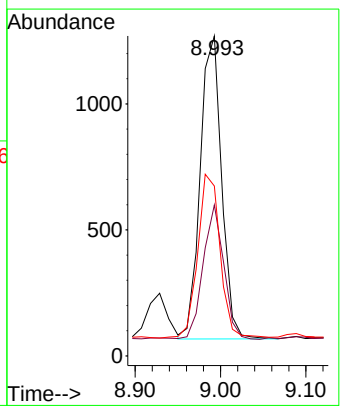
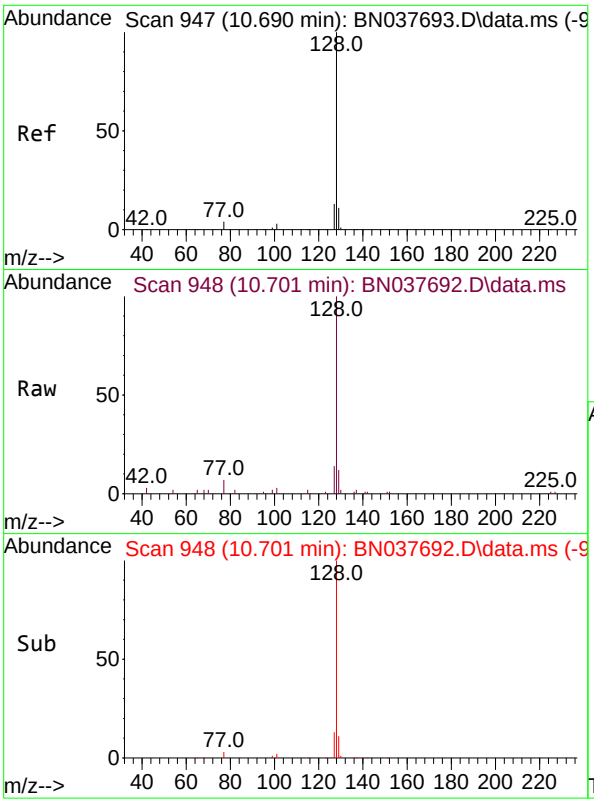


#8
Nitrobenzene-d5
Concen: 0.191 ng
RT: 8.993 min Scan# 788
Delta R.T. -0.000 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Tgt Ion: 82 Resp: 2098

Ion	Ratio	Lower	Upper
82	100		
128	47.2	38.3	57.5
54	53.1	41.4	62.2

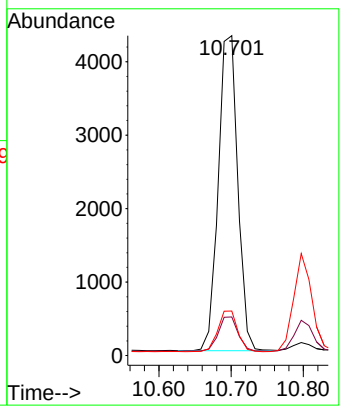




#9
Naphthalene
Concen: 0.196 ng
RT: 10.701 min Scan# 94
Delta R.T. 0.011 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Tgt Ion:128 Resp: 805

Ion	Ratio	Lower	Upper
128	100		
129	12.1	9.1	13.7
127	13.9	10.9	16.3



Instrument :
BNA_N
ClientSampleId :
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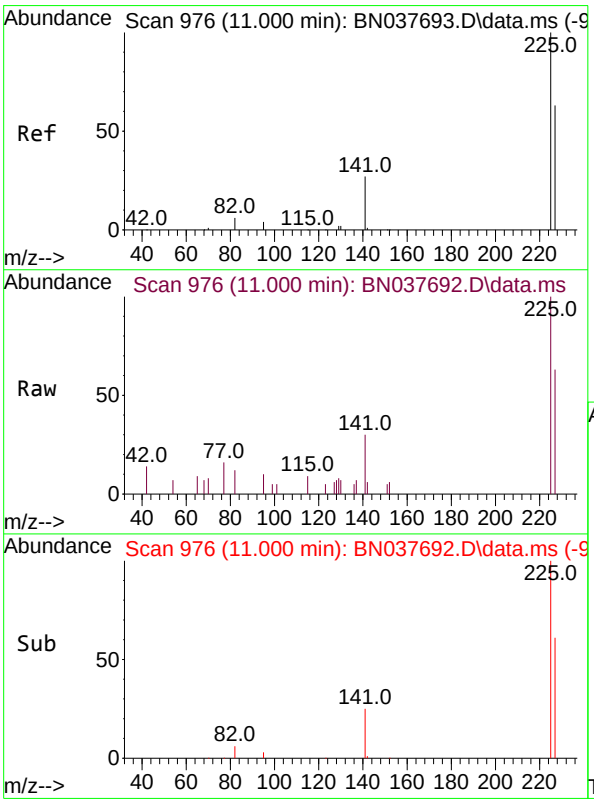
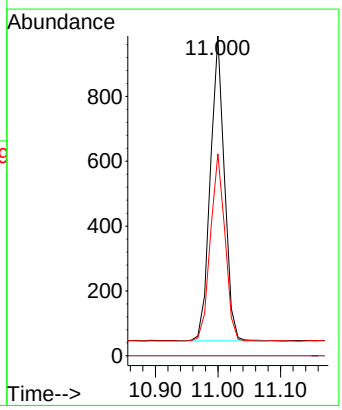
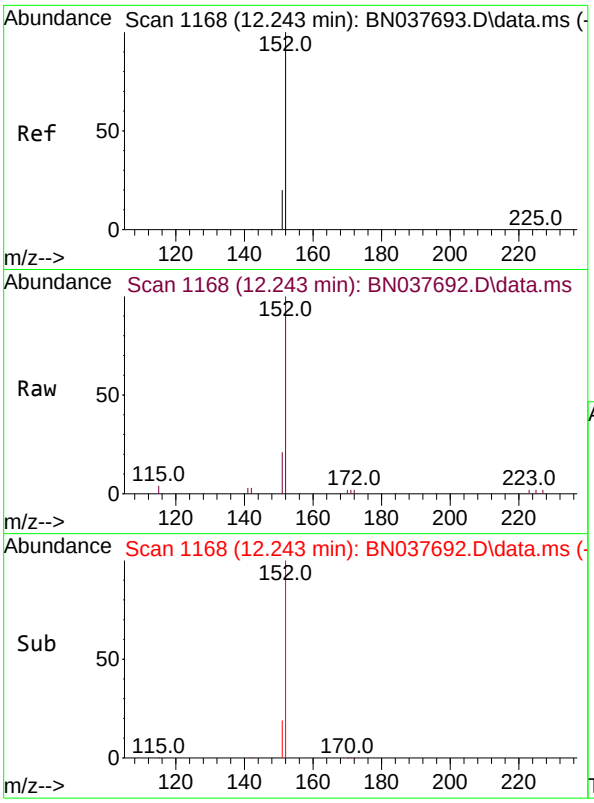


#10
Hexachlorobutadiene
Concen: 0.198 ng
RT: 11.000 min Scan# 976
Delta R.T. -0.000 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Tgt Ion:225 Resp: 1472

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.2	50.9	76.3

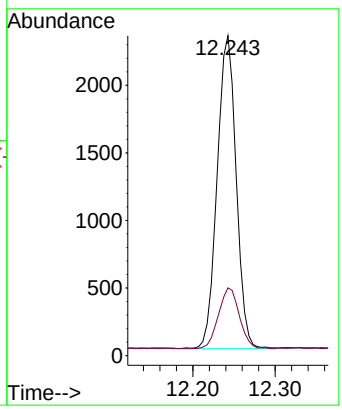




#11
2-Methylnaphthalene-d10
Concen: 0.188 ng
RT: 12.243 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Tgt Ion:152 Resp: 3731

Ion	Ratio	Lower	Upper
152	100		
151	21.2	17.0	25.6



Instrument :
BNA_N
ClientSampleId :
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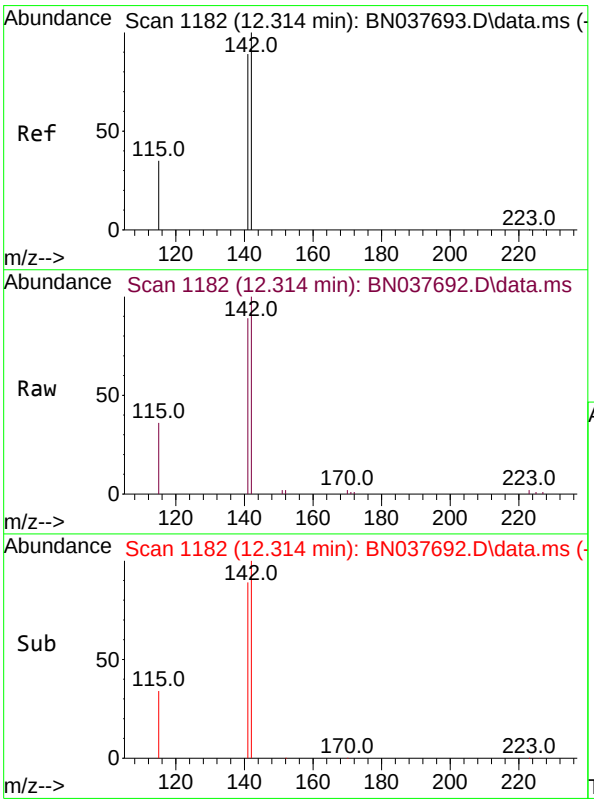
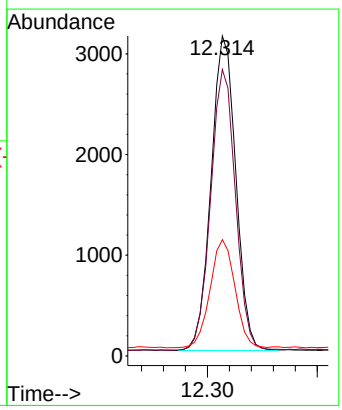
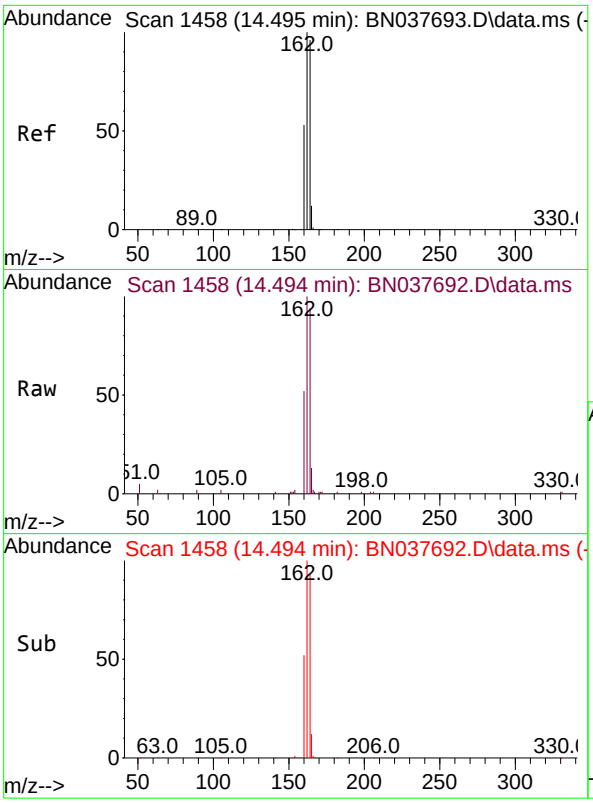


#12
2-Methylnaphthalene
Concen: 0.193 ng
RT: 12.314 min Scan# 1182
Delta R.T. -0.000 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Tgt Ion:142 Resp: 4889

Ion	Ratio	Lower	Upper
142	100		
141	89.5	71.6	107.4
115	36.3	28.6	43.0

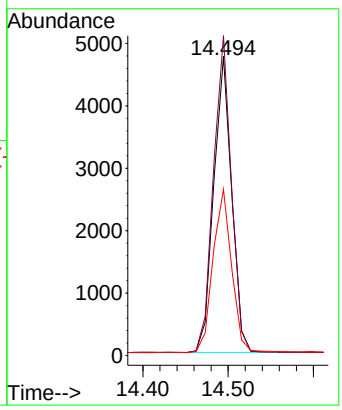




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.494 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Tgt Ion:164 Resp: 695

Ion	Ratio	Lower	Upper
164	100		
162	106.9	83.1	124.7
160	55.5	44.3	66.5



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

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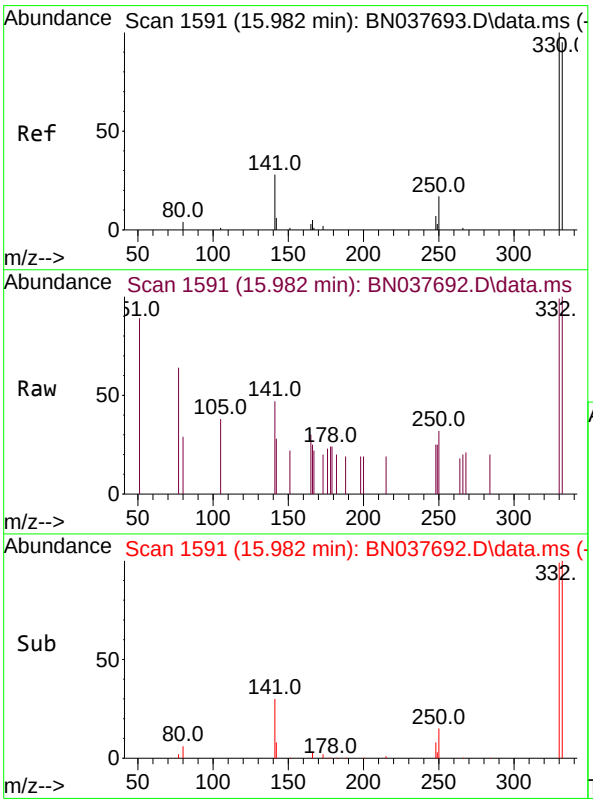
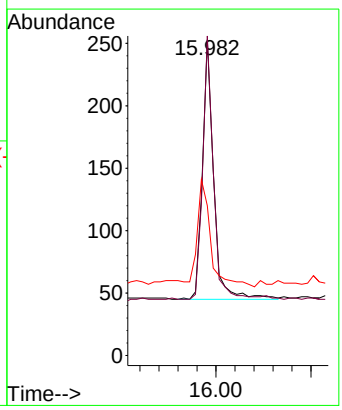
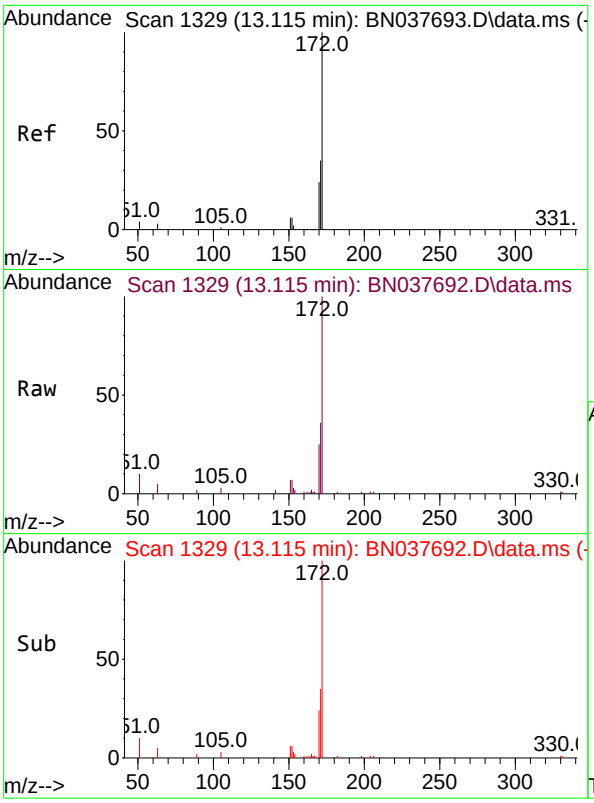


#14
2,4,6-Tribromophenol
Concen: 0.188 ng
RT: 15.982 min Scan# 1591
Delta R.T. -0.000 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Tgt Ion:330 Resp: 340

Ion	Ratio	Lower	Upper
330	100		
332	95.6	75.3	112.9
141	49.4	35.0	52.4

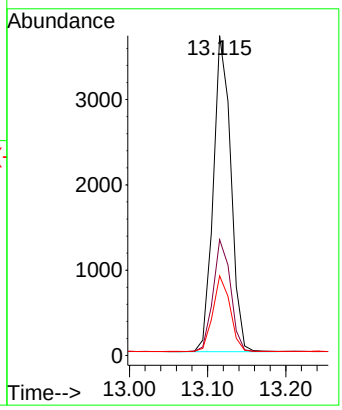




#15
2-Fluorobiphenyl
Concen: 0.199 ng
RT: 13.115 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Tgt Ion:172 Resp: 5791

Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.6	43.0
170	24.9	19.8	29.8



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

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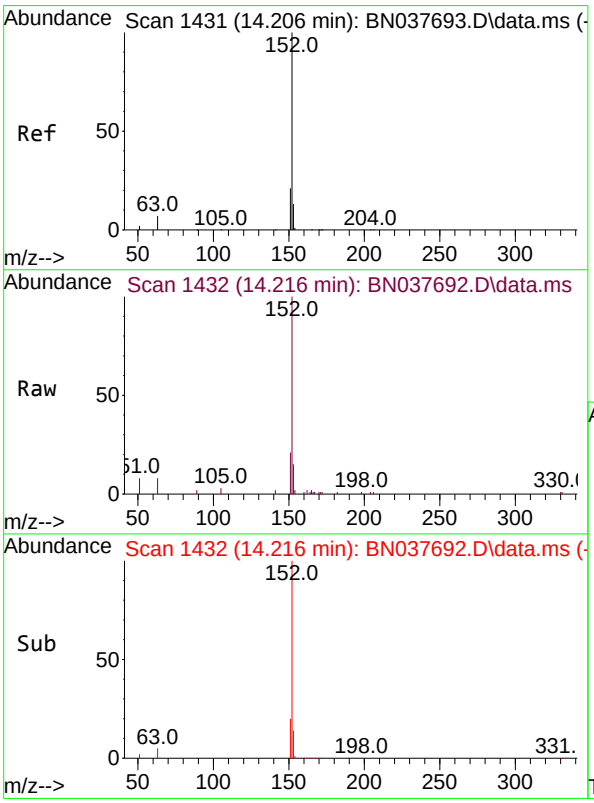
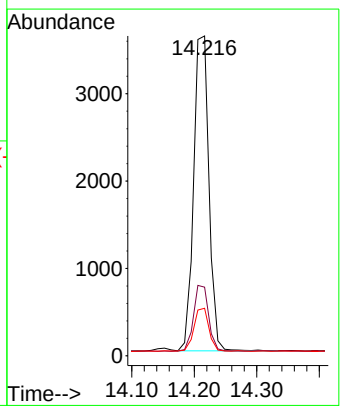
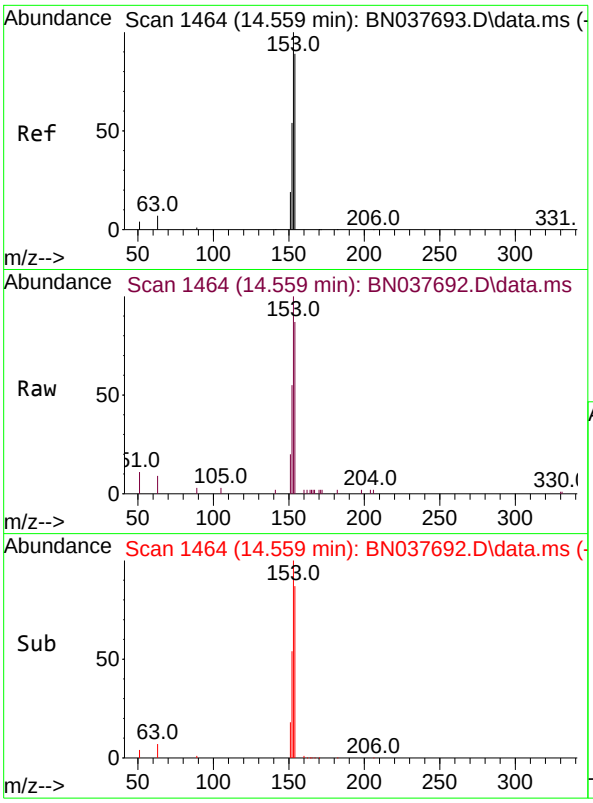


#16
Acenaphthylene
Concen: 0.191 ng
RT: 14.216 min Scan# 1432
Delta R.T. 0.011 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Tgt Ion:152 Resp: 6105

Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.2	24.2
153	13.8	10.4	15.6

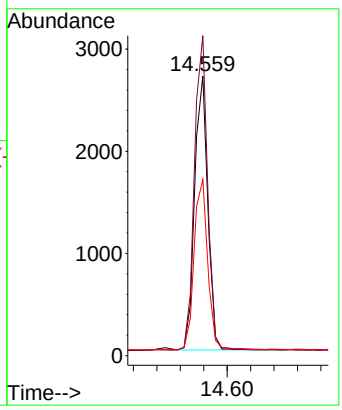




#17
Acenaphthene
Concen: 0.193 ng
RT: 14.559 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Tgt Ion:154 Resp: 416

Ion	Ratio	Lower	Upper
154	100		
153	114.9	89.8	134.8
152	64.4	50.2	75.2



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

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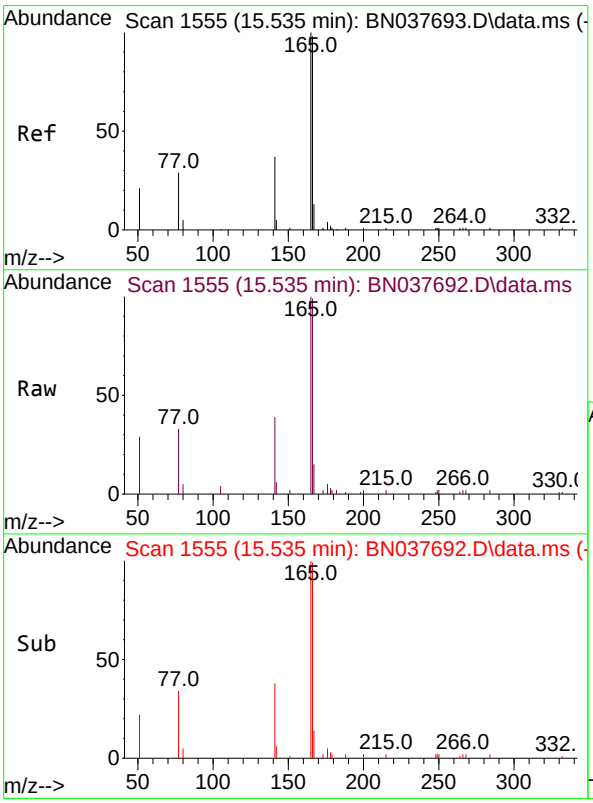
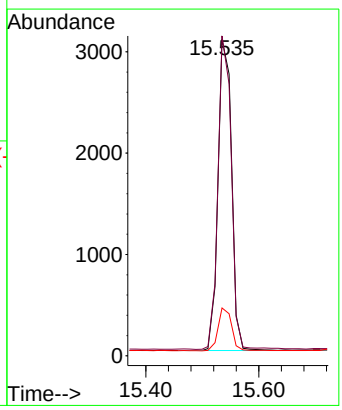
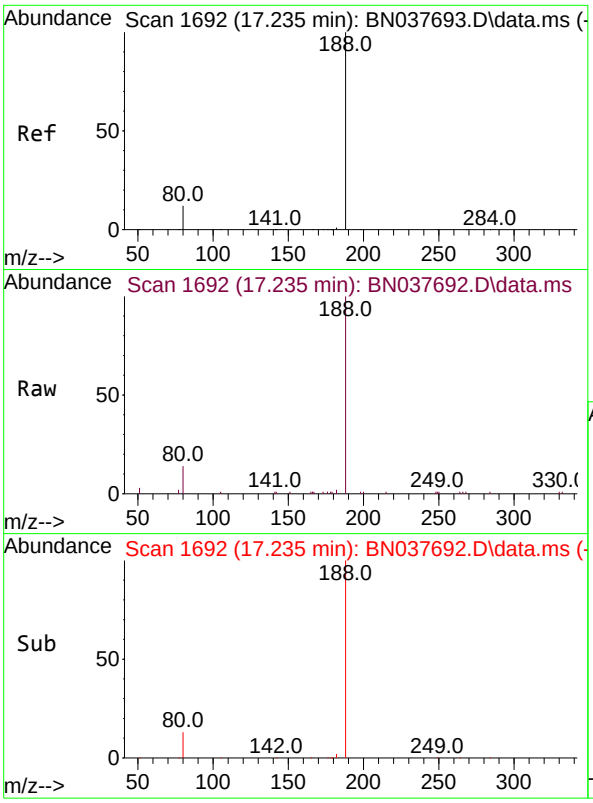


#18
Fluorene
Concen: 0.187 ng
RT: 15.535 min Scan# 1555
Delta R.T. -0.000 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Tgt Ion:166 Resp: 4875

Ion	Ratio	Lower	Upper
166	100		
165	102.3	79.6	119.4
167	14.5	10.6	16.0

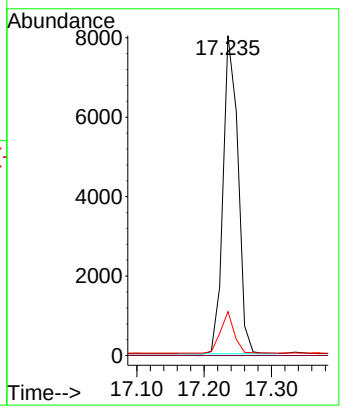




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.235 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Tgt Ion:188 Resp: 1238

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	13.7	10.6	15.8



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

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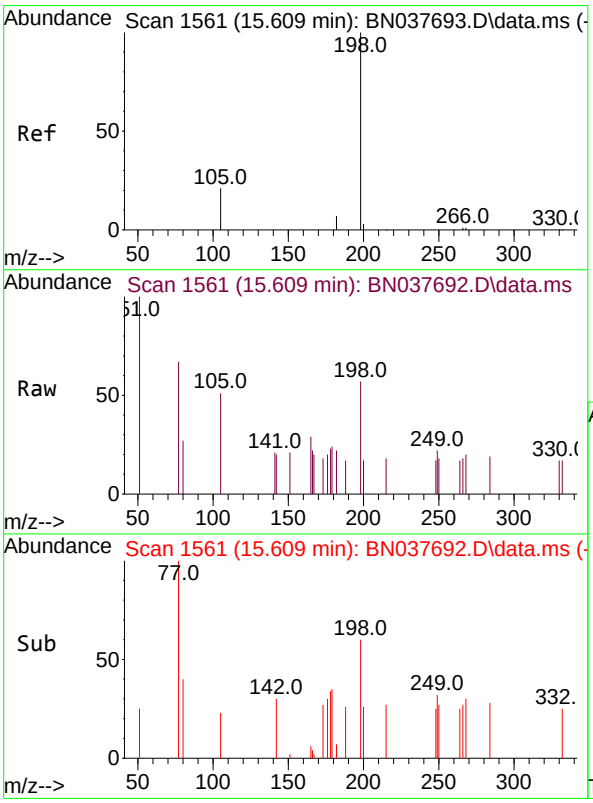
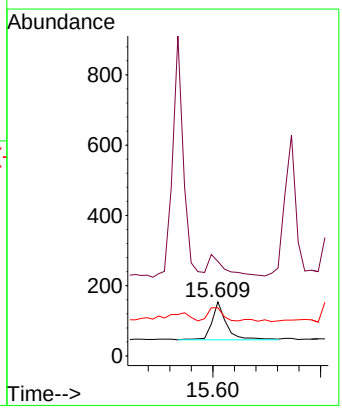
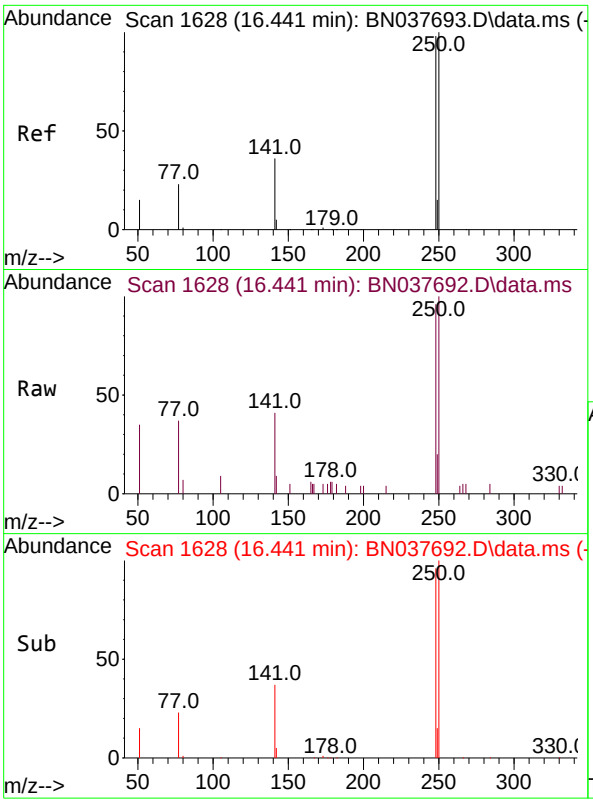


#20
4,6-Dinitro-2-methylphenol
Concen: 0.175 ng
RT: 15.609 min Scan# 1561
Delta R.T. 0.000 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Tgt Ion:198 Resp: 201

Ion	Ratio	Lower	Upper
198	100		
51	174.7	95.1	142.7#
105	89.0	53.8	80.6#

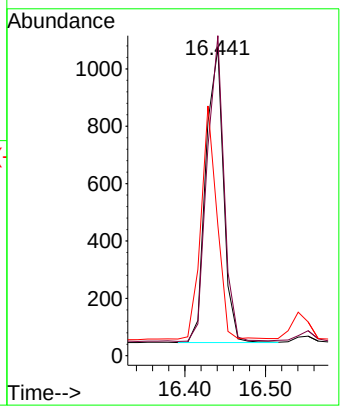




#21
4-Bromophenyl-phenylether
Concen: 0.193 ng
RT: 16.441 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Tgt Ion:248 Resp: 156

Ion	Ratio	Lower	Upper
248	100		
250	104.0	81.5	122.3
141	42.3	30.8	46.2



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

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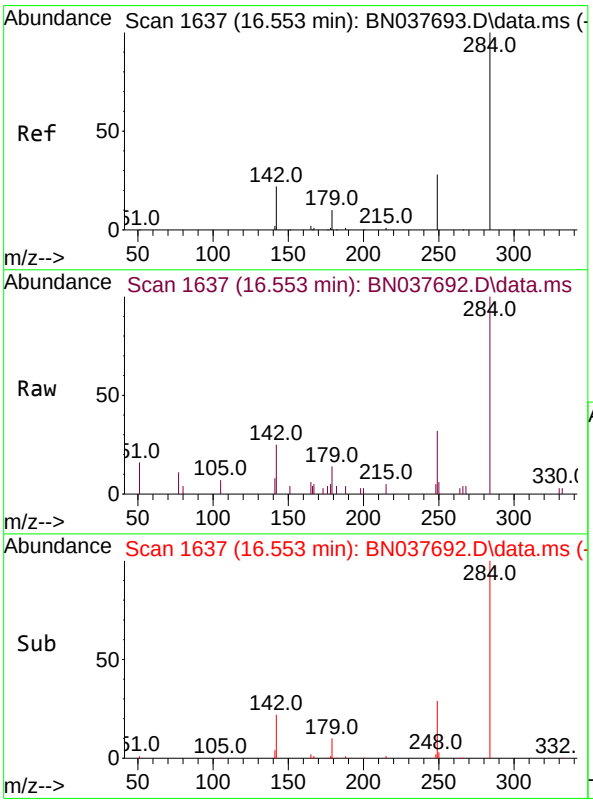
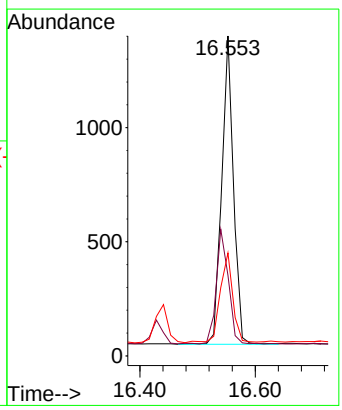
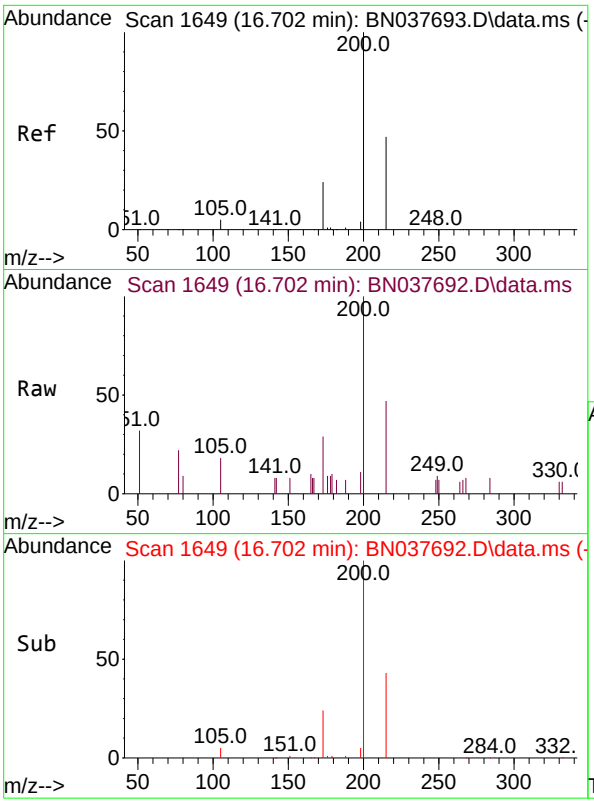


#22
Hexachlorobenzene
Concen: 0.205 ng
RT: 16.553 min Scan# 1637
Delta R.T. -0.000 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Tgt Ion:284 Resp: 1906

Ion	Ratio	Lower	Upper
284	100		
142	38.4	30.9	46.3
249	31.4	24.8	37.2

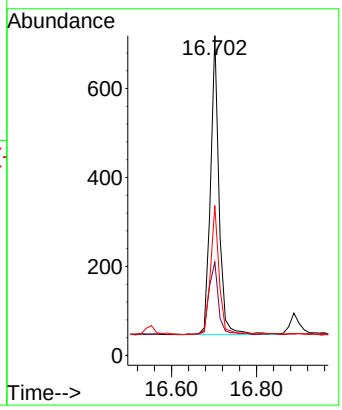




#23
Atrazine
Concen: 0.181 ng
RT: 16.702 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Tgt Ion:200 Resp: 93

Ion	Ratio	Lower	Upper
200	100		
173	29.2	21.4	32.2
215	46.9	39.2	58.8



Instrument :
BNA_N
ClientSampleId :
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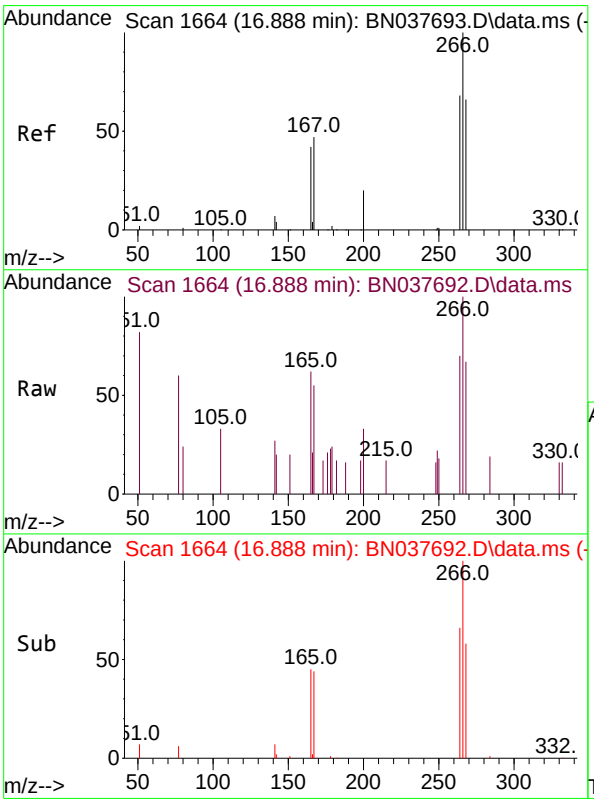
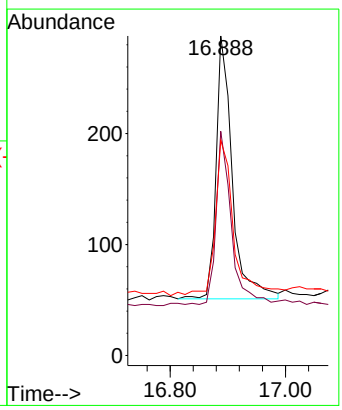
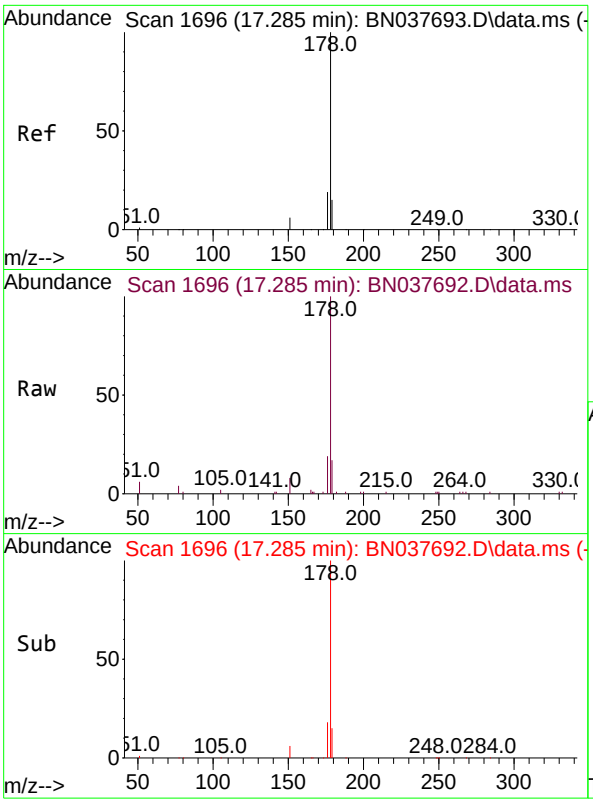


#24
Pentachlorophenol
Concen: 0.171 ng
RT: 16.888 min Scan# 1664
Delta R.T. -0.000 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Tgt Ion:266 Resp: 461

Ion	Ratio	Lower	Upper
266	100		
264	61.6	51.6	77.4
268	67.5	53.2	79.8

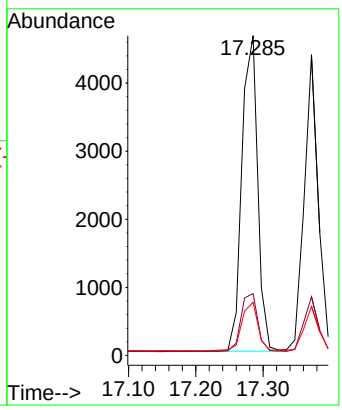




#25
Phenanthrene
Concen: 0.193 ng
RT: 17.285 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Tgt Ion:178 Resp: 752

Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.3	22.9
179	15.7	12.2	18.2



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

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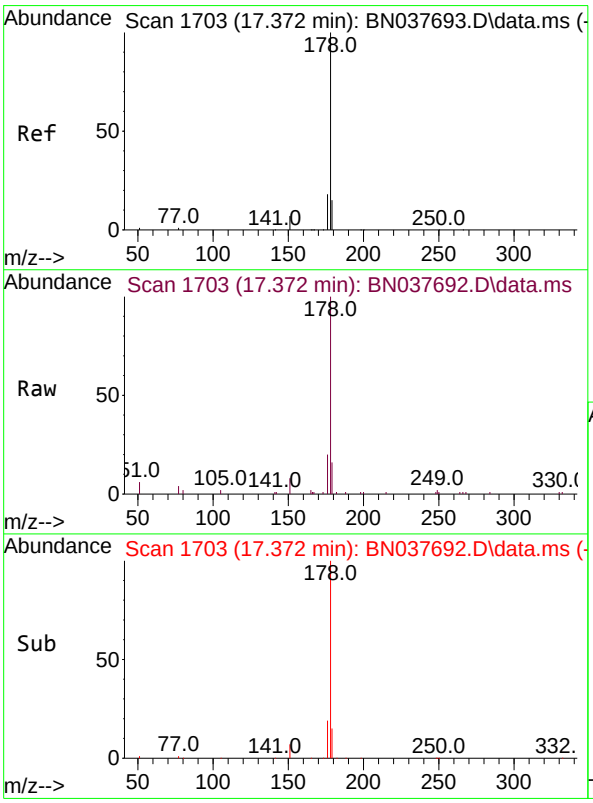
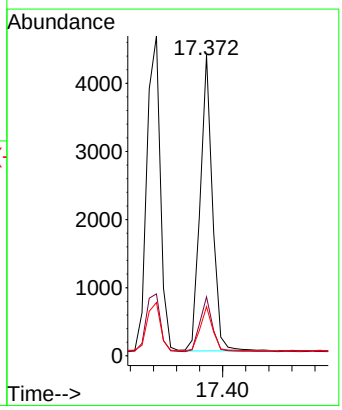
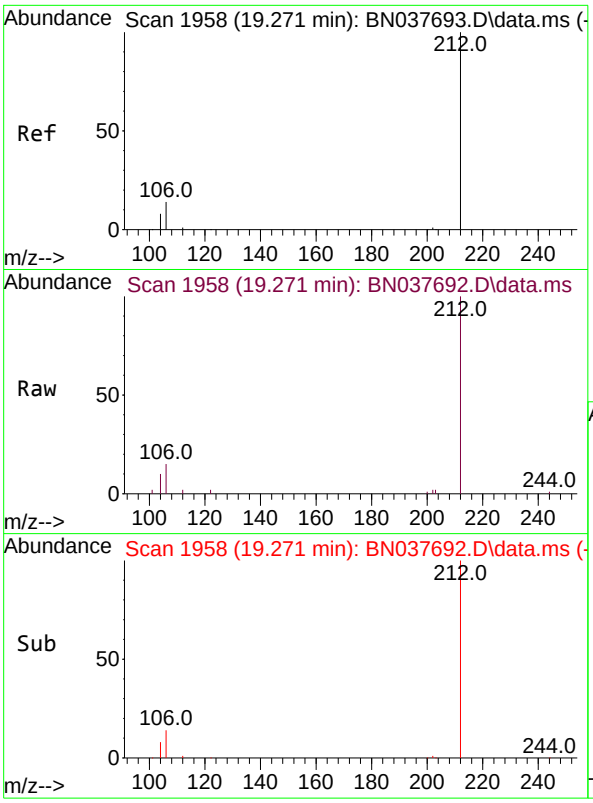


#26
Anthracene
Concen: 0.185 ng
RT: 17.372 min Scan# 1703
Delta R.T. -0.000 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Tgt Ion:178 Resp: 6375

Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.6	22.0
179	15.4	12.2	18.4

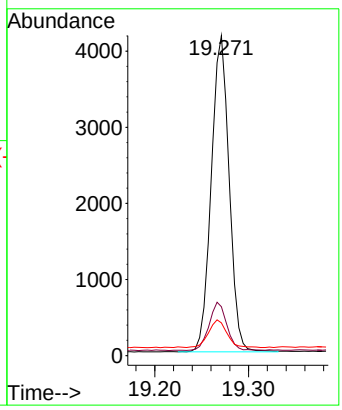




#27
Fluoranthene-d10
Concen: 0.177 ng
RT: 19.271 min Scan# 19
Delta R.T. -0.000 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Tgt Ion:212 Resp: 549

Ion	Ratio	Lower	Upper
212	100		
106	15.4	12.2	18.2
104	9.0	6.9	10.3



Instrument :
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ClientSampleId :
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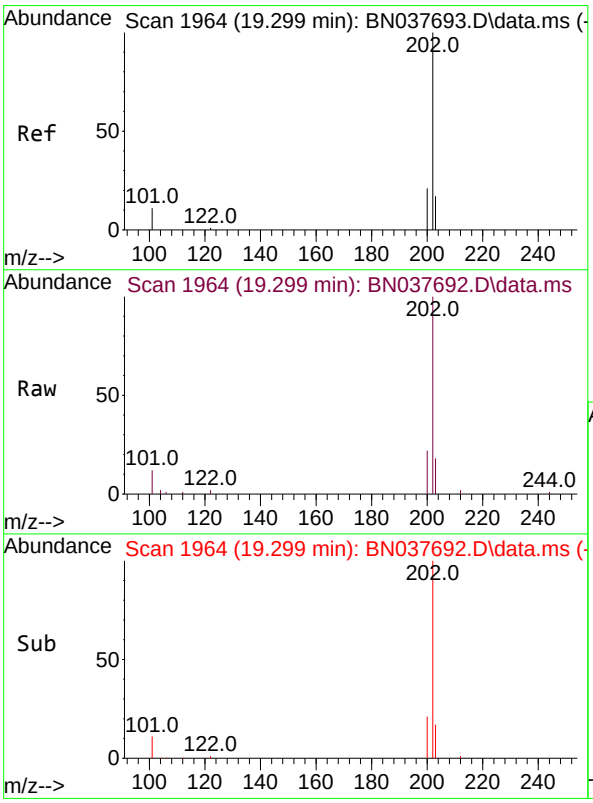
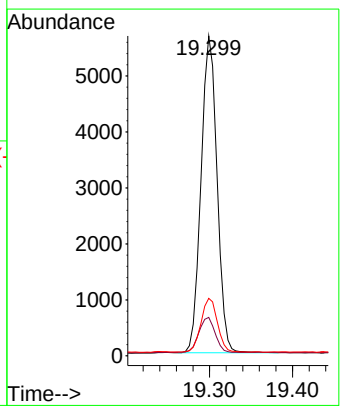
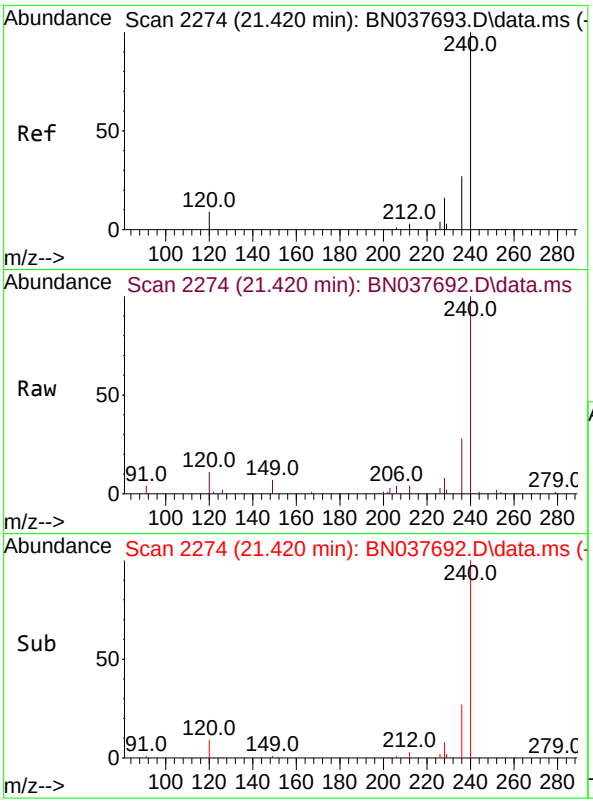


#28
Fluoranthene
Concen: 0.177 ng
RT: 19.299 min Scan# 1964
Delta R.T. -0.000 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Tgt Ion:202 Resp: 7577

Ion	Ratio	Lower	Upper
202	100		
101	11.7	9.3	13.9
203	17.1	13.7	20.5

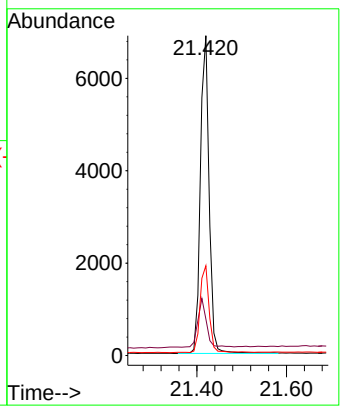




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.420 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Tgt Ion:240 Resp: 932

Ion	Ratio	Lower	Upper
240	100		
120	11.4	9.2	13.8
236	28.1	22.6	33.8



Instrument :
BNA_N
ClientSampleId :
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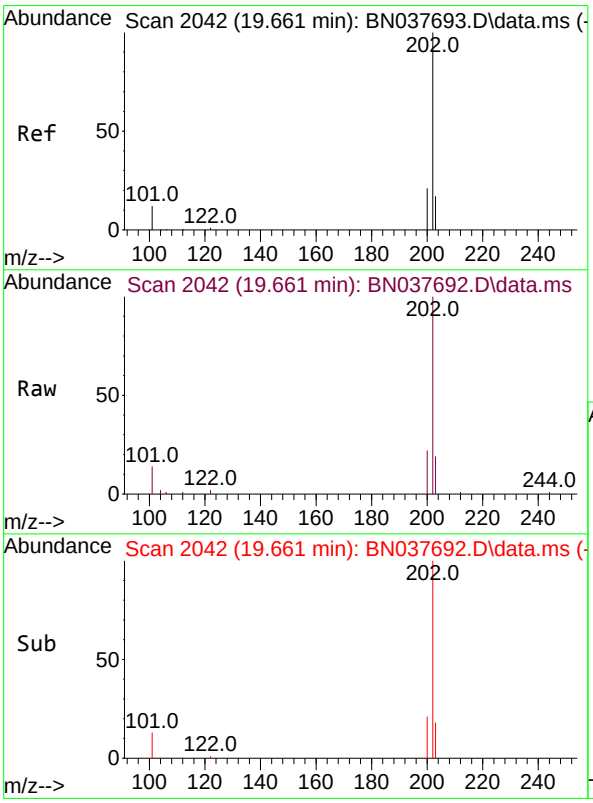
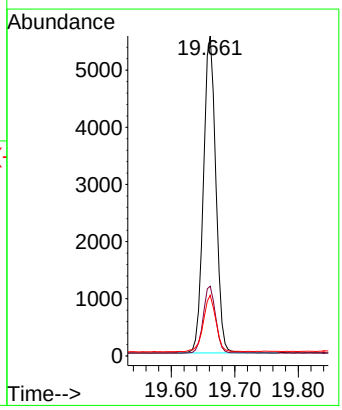
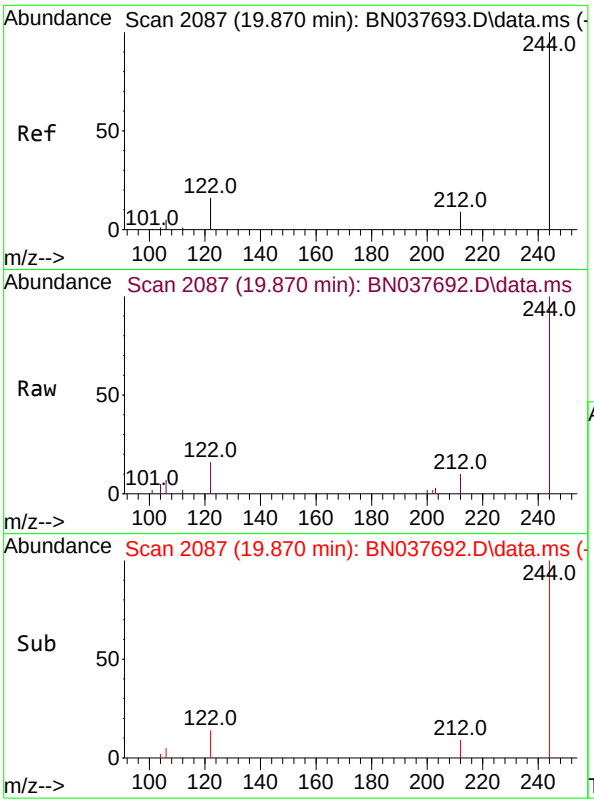


#30
Pyrene
Concen: 0.207 ng
RT: 19.661 min Scan# 2042
Delta R.T. -0.000 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Tgt Ion:202 Resp: 7543

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.8	25.2
203	18.3	14.3	21.5

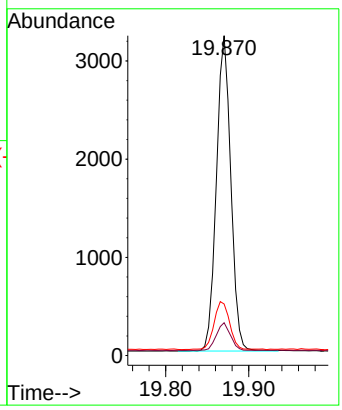




#31
Terphenyl-d14
Concen: 0.205 ng
RT: 19.870 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Tgt Ion:244 Resp: 388

Ion	Ratio	Lower	Upper
244	100		
212	10.3	7.5	11.3
122	16.1	13.2	19.8



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

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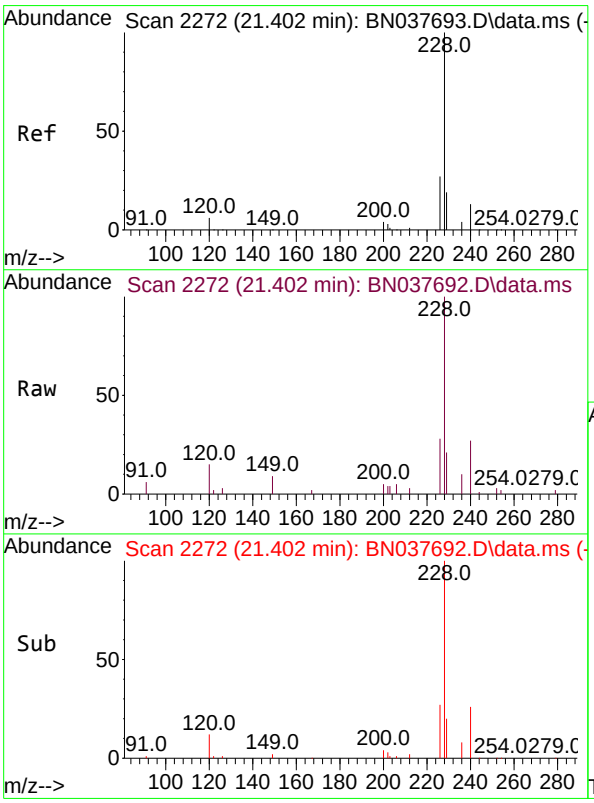
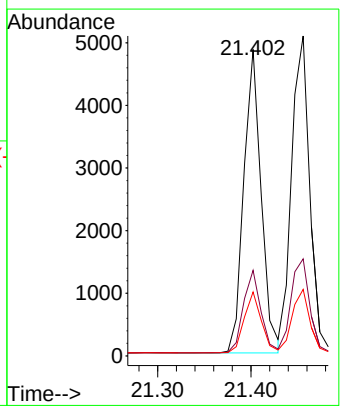
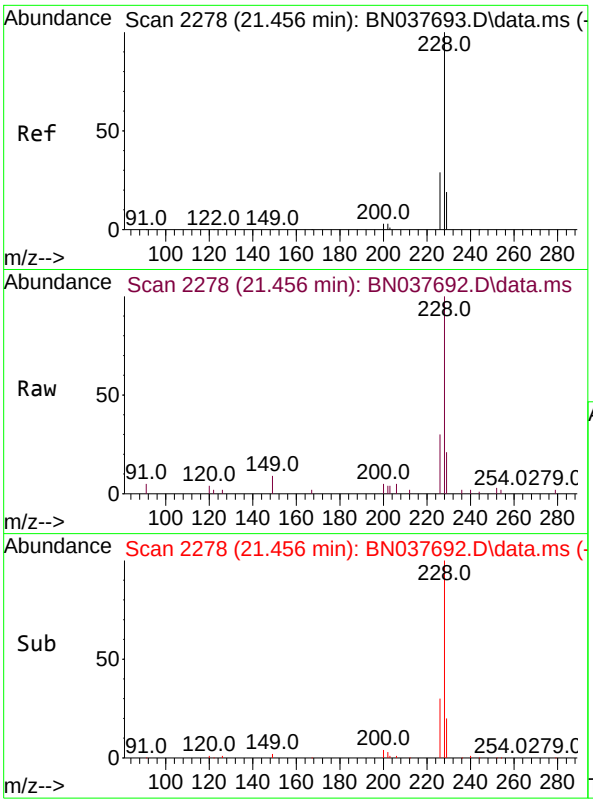


#32
Benzo(a)anthracene
Concen: 0.193 ng
RT: 21.402 min Scan# 2272
Delta R.T. -0.000 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Tgt Ion:228 Resp: 6270

Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.2	33.2
229	20.8	15.8	23.6

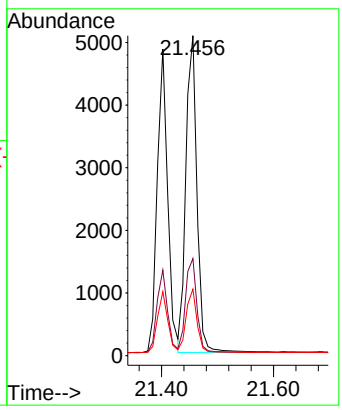




#33
Chrysene
Concen: 0.199 ng
RT: 21.456 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Tgt Ion:228 Resp: 695

Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.5	35.3
229	20.8	15.9	23.9



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

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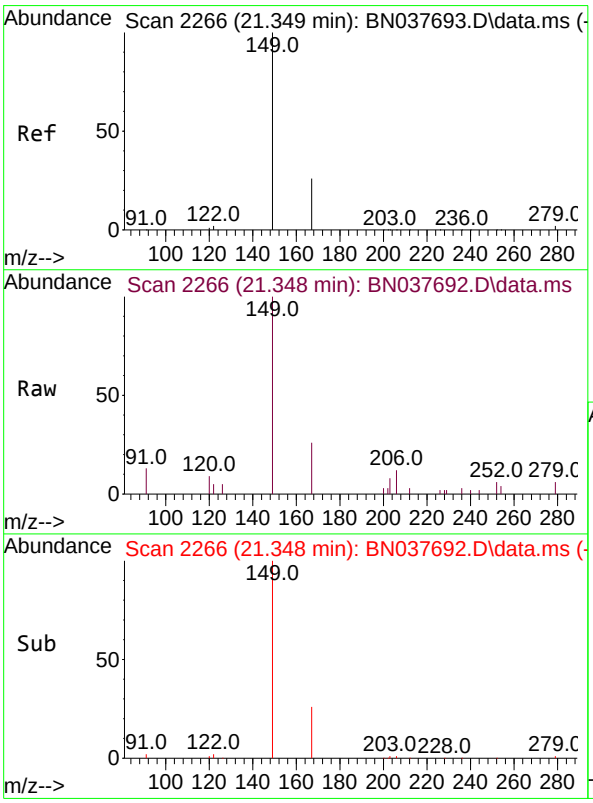
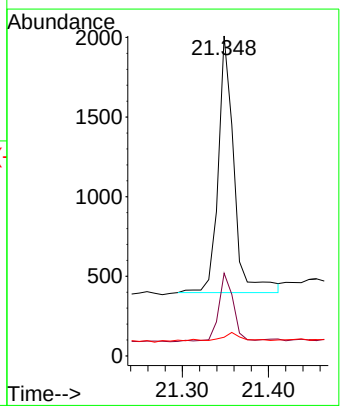
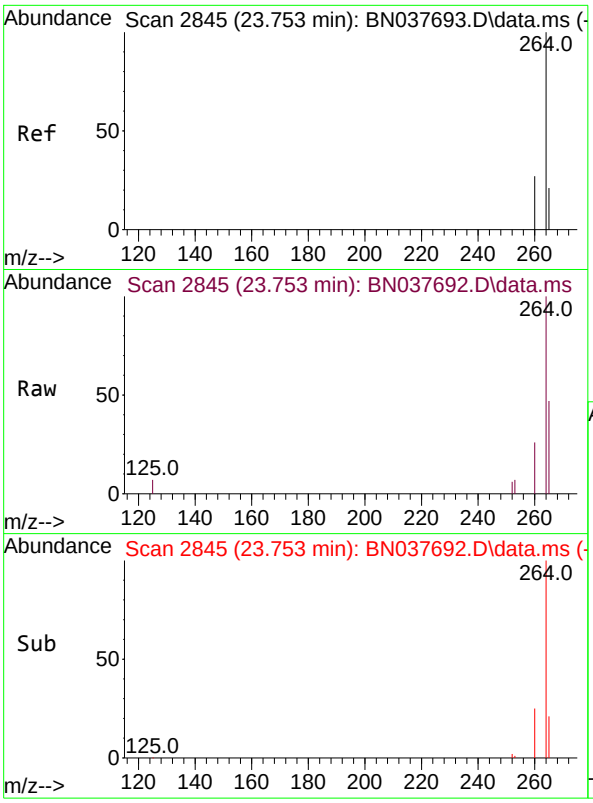


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.213 ng
RT: 21.348 min Scan# 2266
Delta R.T. -0.000 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Tgt Ion:149 Resp: 2049

Ion	Ratio	Lower	Upper
149	100		
167	24.7	20.8	31.2
279	3.1	3.3	4.9#

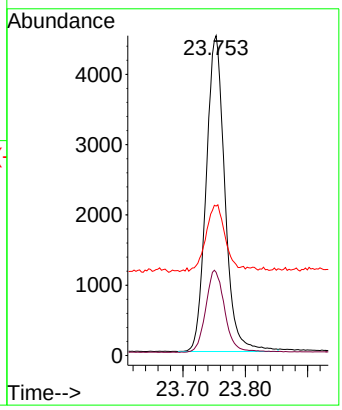




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.753 min Scan# 28
Delta R.T. -0.000 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Tgt Ion:264 Resp: 9364

Ion	Ratio	Lower	Upper
264	100		
260	26.0	21.8	32.8
265	46.7	39.4	59.2



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

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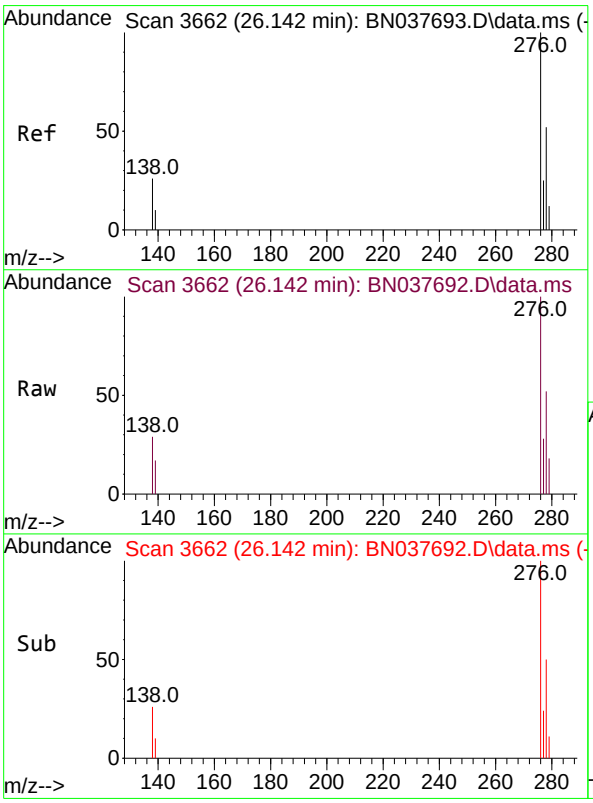
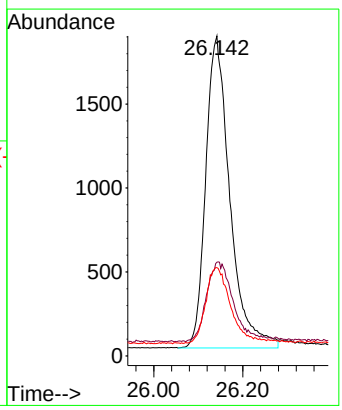
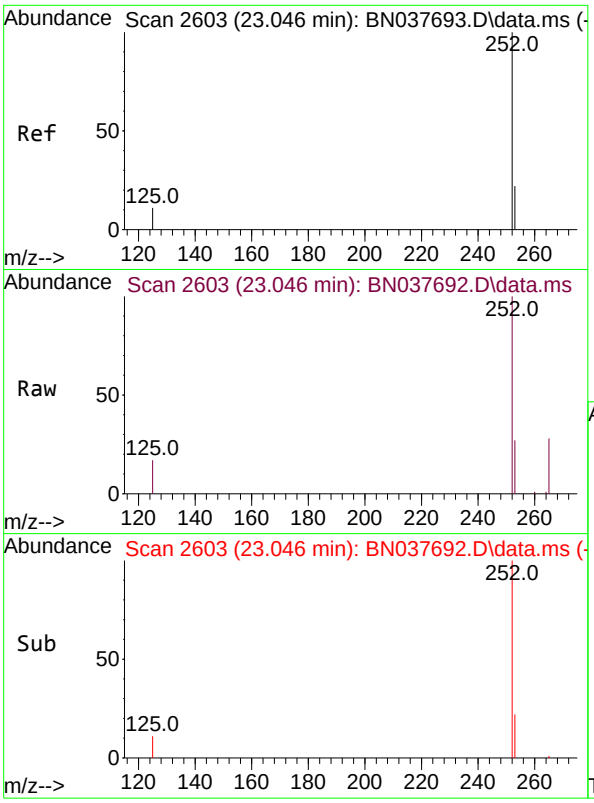


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.177 ng
RT: 26.142 min Scan# 3662
Delta R.T. -0.000 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Tgt Ion:276 Resp: 6982

Ion	Ratio	Lower	Upper
276	100		
138	28.1	21.9	32.9
277	24.6	20.1	30.1

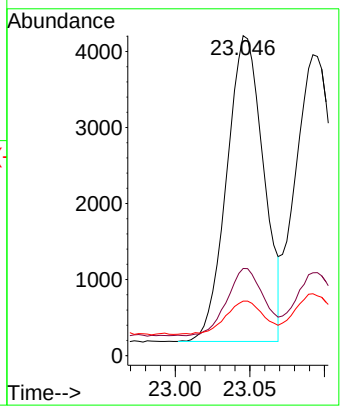




#37
Benzo(b)fluoranthene
Concen: 0.187 ng
RT: 23.046 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Tgt Ion:252 Resp: 690

Ion	Ratio	Lower	Upper
252	100		
253	27.3	19.4	29.2
125	17.0	11.2	16.8#



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

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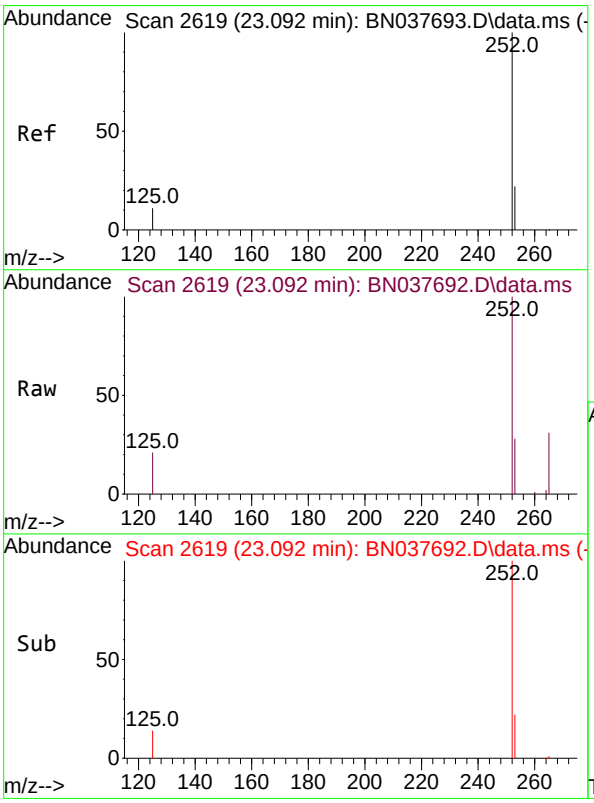
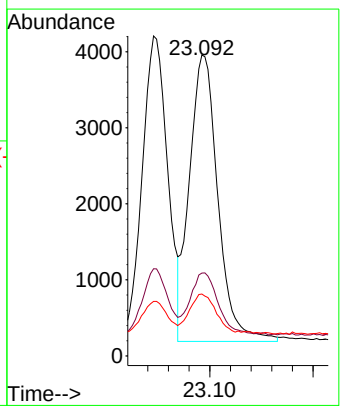
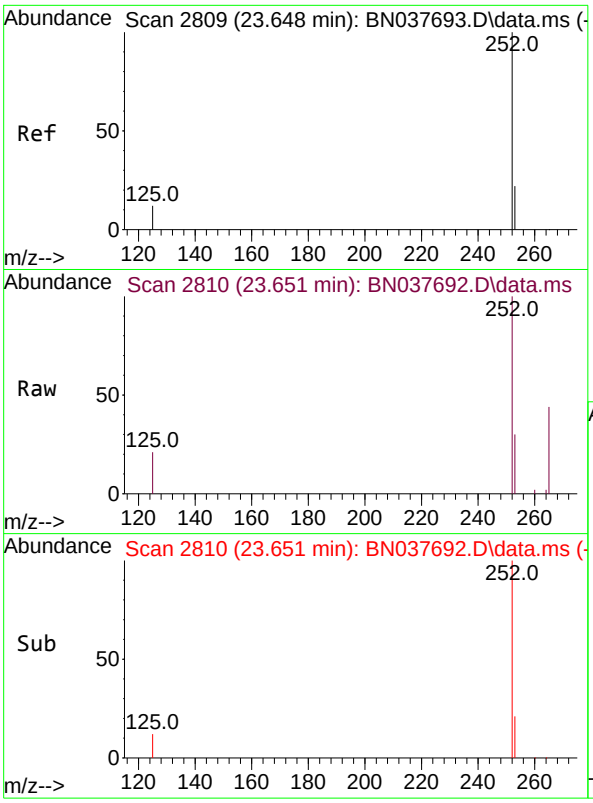


#38
Benzo(k)fluoranthene
Concen: 0.192 ng m
RT: 23.092 min Scan# 2619
Delta R.T. -0.000 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Tgt Ion:252 Resp: 7226

Ion	Ratio	Lower	Upper
252	100		
253	27.5	19.4	29.0
125	20.6	11.6	17.4#

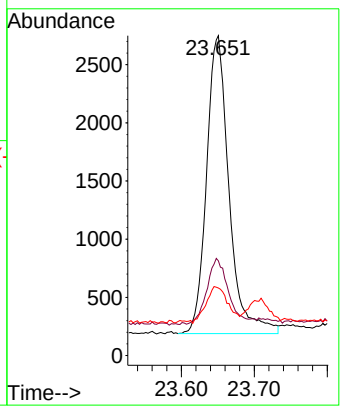




#39
Benzo(a)pyrene
Concen: 0.186 ng
RT: 23.651 min Scan# 28
Delta R.T. 0.003 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Tgt Ion:252 Resp: 548

Ion	Ratio	Lower	Upper
252	100		
253	29.6	20.8	31.2
125	21.1	13.9	20.9#



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

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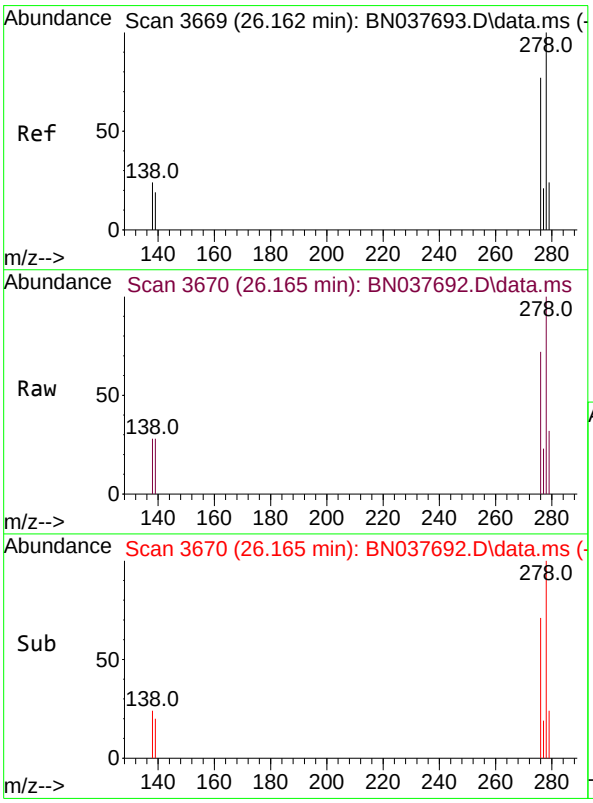
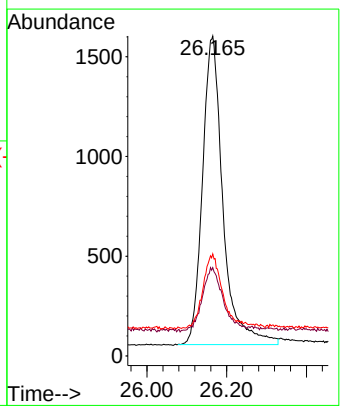
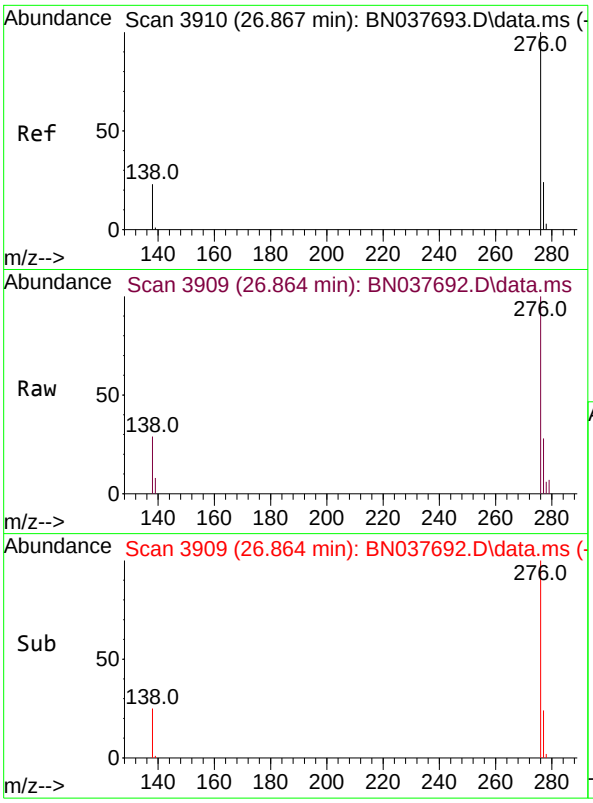


#40
Dibenzo(a,h)anthracene
Concen: 0.175 ng
RT: 26.165 min Scan# 3670
Delta R.T. 0.003 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Tgt Ion:278 Resp: 5503

Ion	Ratio	Lower	Upper
278	100		
139	27.6	17.8	26.6#
279	31.9	22.0	33.0

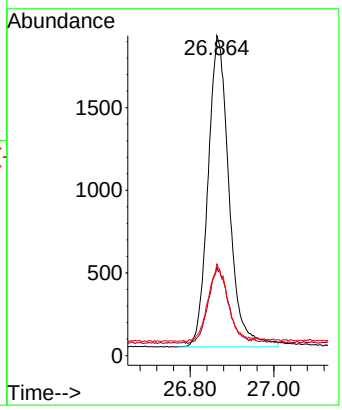




#41
Benzo(g,h,i)perylene
Concen: 0.186 ng
RT: 26.864 min Scan# 3
Delta R.T. -0.003 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Tgt Ion:276 Resp: 656

Ion	Ratio	Lower	Upper
276	100		
277	27.6	20.6	31.0
138	28.6	20.2	30.2



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

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APPROVED

Reviewed By :Rahul Chavli 09/12/2025
Supervised By :Jagrut Upadhyay 09/12/2025

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091125\
Data File : BN037693.D
Acq On : 11 Sep 2025 11:08
Operator : RC/JU
Sample : SSTDICCC0.4
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Quant Time: Sep 11 14:06:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:02:44 2025
Response via : Initial Calibration

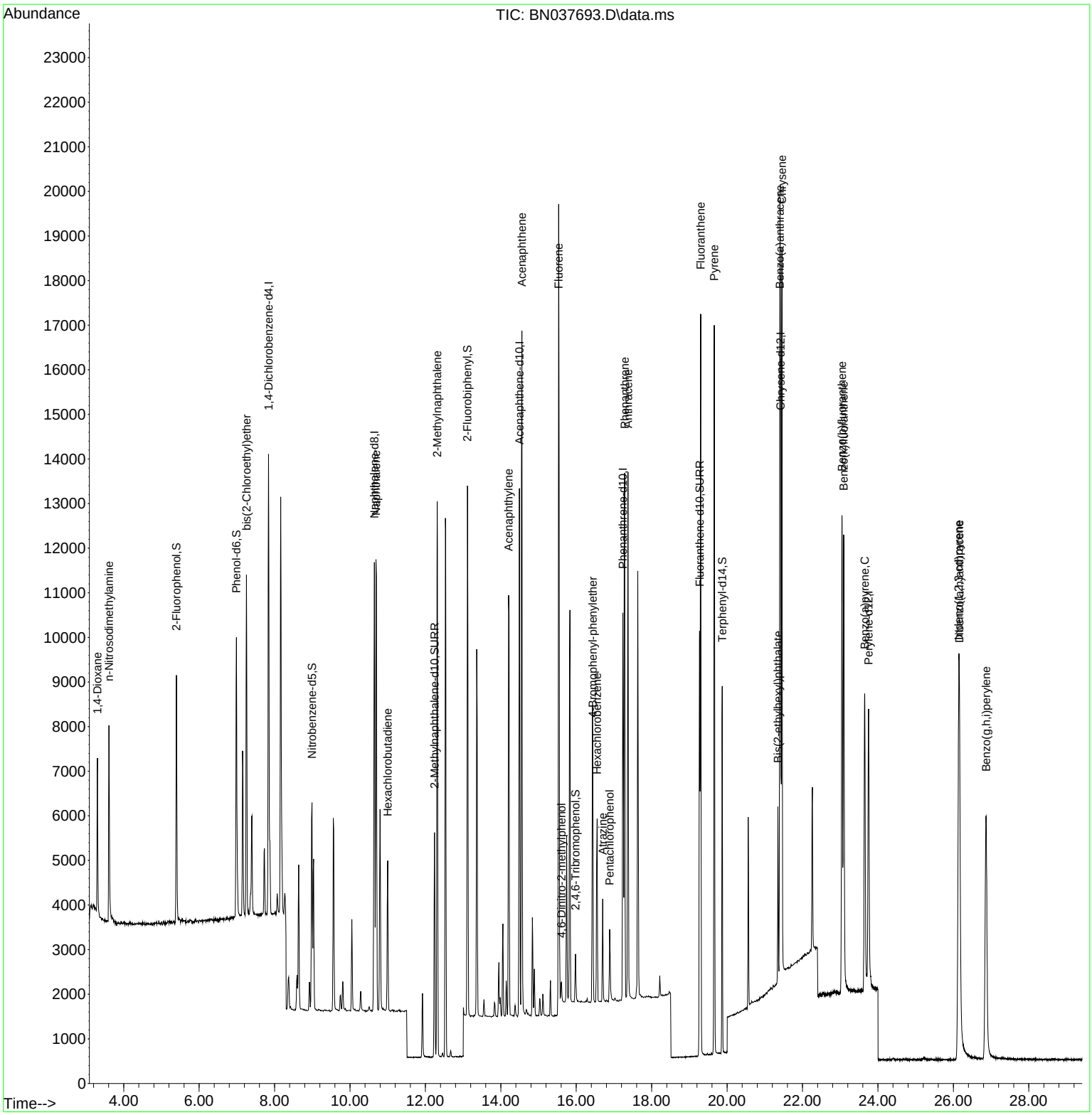
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.840	152	4992	0.400	ng		0.00
7) Naphthalene-d8	10.648	136	13249	0.400	ng		0.00
13) Acenaphthene-d10	14.495	164	6204	0.400	ng		0.00
19) Phenanthrene-d10	17.235	188	11263	0.400	ng		0.00
29) Chrysene-d12	21.420	240	9368	0.400	ng		0.00
35) Perylene-d12	23.753	264	8965	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.399	112	4452	0.388	ng		0.00
5) Phenol-d6	6.988	99	5771	0.388	ng		0.00
8) Nitrobenzene-d5	8.993	82	3770	0.389	ng		0.00
11) 2-Methylnaphthalene-d10	12.243	152	6602	0.376	ng		0.00
14) 2,4,6-Tribromophenol	15.982	330	625	0.386	ng		0.00
15) 2-Fluorobiphenyl	13.115	172	10228	0.394	ng		0.00
27) Fluoranthene-d10	19.271	212	10530	0.372	ng		0.00
31) Terphenyl-d14	19.870	244	7507	0.395	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.304	88	2106	0.405	ng		100
3) n-Nitrosodimethylamine	3.608	42	2814	0.414	ng		99
6) bis(2-Chloroethyl)ether	7.255	93	5343	0.402	ng		100
9) Naphthalene	10.690	128	14229	0.393	ng		100
10) Hexachlorobutadiene	11.000	225	2615	0.399	ng	#	100
12) 2-Methylnaphthalene	12.314	142	8728	0.390	ng		100
16) Acenaphthylene	14.206	152	11064	0.389	ng		100
17) Acenaphthene	14.559	154	7540	0.392	ng		100
18) Fluorene	15.535	166	8938	0.384	ng		100
20) 4,6-Dinitro-2-methylph...	15.609	198	372	0.357	ng		100
21) 4-Bromophenyl-phenylether	16.441	248	2827	0.385	ng		100
22) Hexachlorobenzene	16.553	284	3312	0.392	ng		100
23) Atrazine	16.702	200	1707	0.365	ng		100
24) Pentachlorophenol	16.888	266	839	0.342	ng		100
25) Phenanthrene	17.285	178	13778	0.389	ng		100
26) Anthracene	17.372	178	12049	0.384	ng		100
28) Fluoranthene	19.299	202	14751	0.379	ng		100
30) Pyrene	19.661	202	14587	0.398	ng		100
32) Benzo(a)anthracene	21.402	228	12621	0.386	ng		100
33) Chrysene	21.456	228	14018	0.400	ng		100
34) Bis(2-ethylhexyl)phtha...	21.349	149	3520	0.363	ng		100
36) Indeno(1,2,3-cd)pyrene	26.142	276	13835	0.367	ng		100
37) Benzo(b)fluoranthene	23.046	252	13935	0.395	ng		100
38) Benzo(k)fluoranthene	23.092	252	13659	0.379	ng		100
39) Benzo(a)pyrene	23.648	252	10766	0.381	ng		100
40) Dibenzo(a,h)anthracene	26.162	278	10852	0.361	ng		100
41) Benzo(g,h,i)perylene	26.867	276	13009	0.385	ng		100

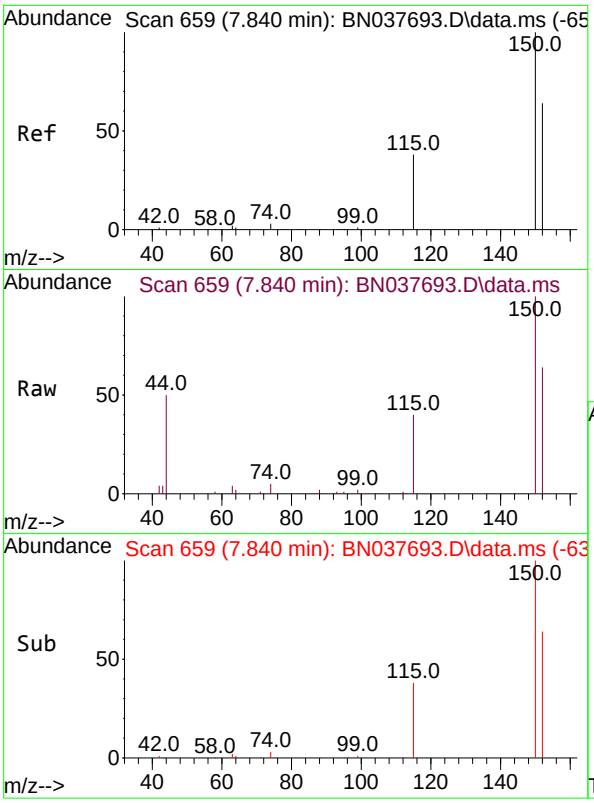
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091125\
Data File : BN037693.D
Acq On : 11 Sep 2025 11:08
Operator : RC/JU
Sample : SSTDICCC0.4
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Quant Time: Sep 11 14:06:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:02:44 2025
Response via : Initial Calibration



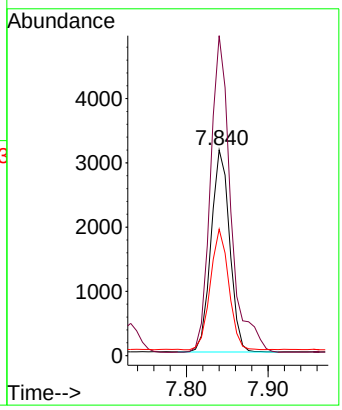


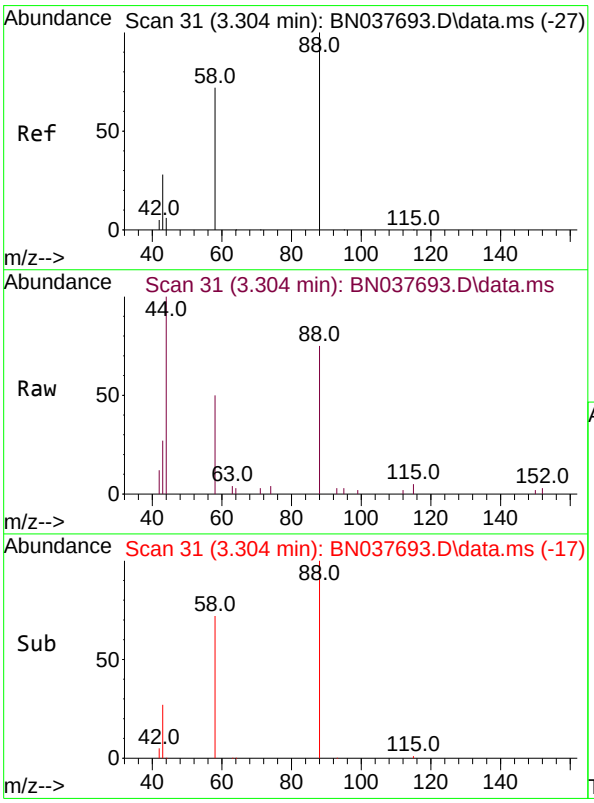
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.840 min Scan# 6
Delta R.T. 0.000 min
Lab File: BN037693.D
Acq: 11 Sep 2025 11:08

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:152 Resp: 4992

Ion	Ratio	Lower	Upper
152	100		
150	155.6	124.5	186.7
115	61.5	49.2	73.8

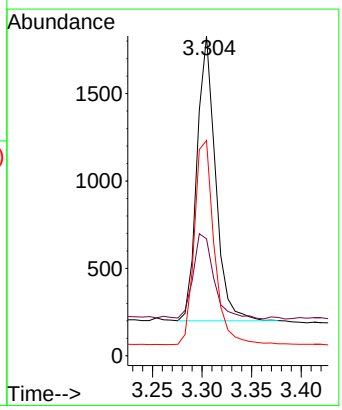


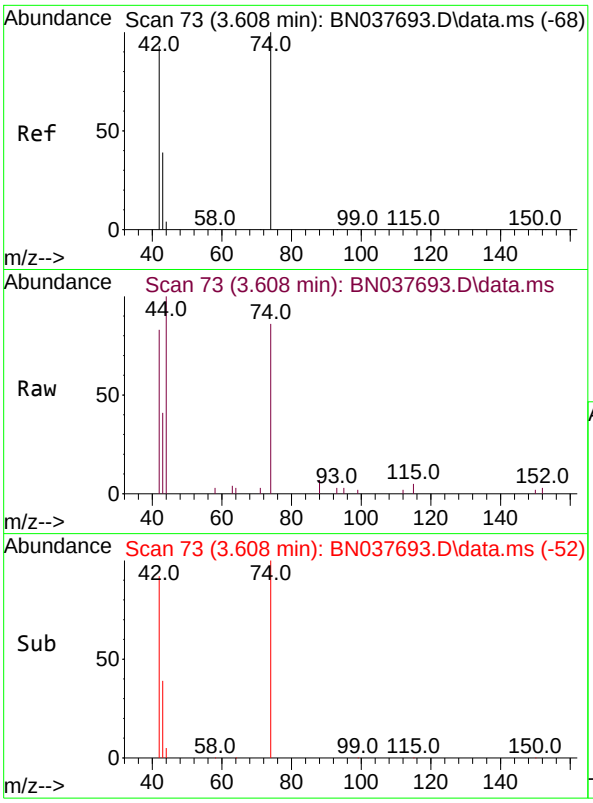


#2
1,4-Dioxane
Concen: 0.405 ng
RT: 3.304 min Scan# 31
Delta R.T. 0.000 min
Lab File: BN037693.D
Acq: 11 Sep 2025 11:08

Tgt Ion: 88 Resp: 2106

Ion	Ratio	Lower	Upper
88	100		
43	33.5	26.8	40.2
58	77.6	61.9	92.9



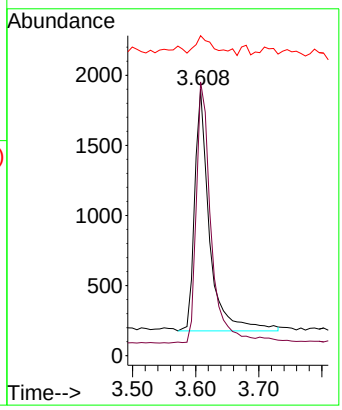


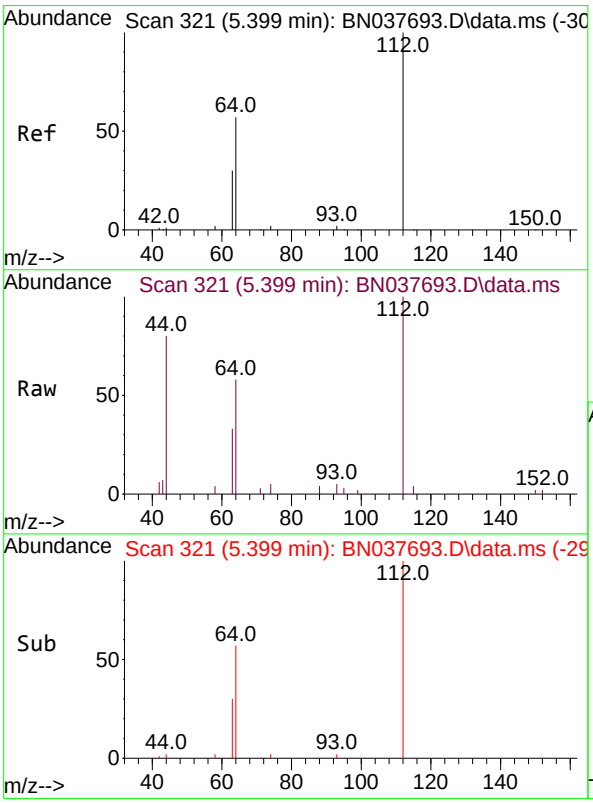
#3
n-Nitrosodimethylamine
Concen: 0.414 ng
RT: 3.608 min Scan# 7
Delta R.T. 0.000 min
Lab File: BN037693.D
Acq: 11 Sep 2025 11:08

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion: 42 Resp: 2814

Ion	Ratio	Lower	Upper
42	100		
74	106.5	86.0	129.0
44	10.4	8.4	12.6

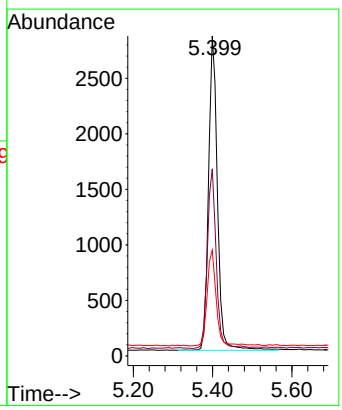


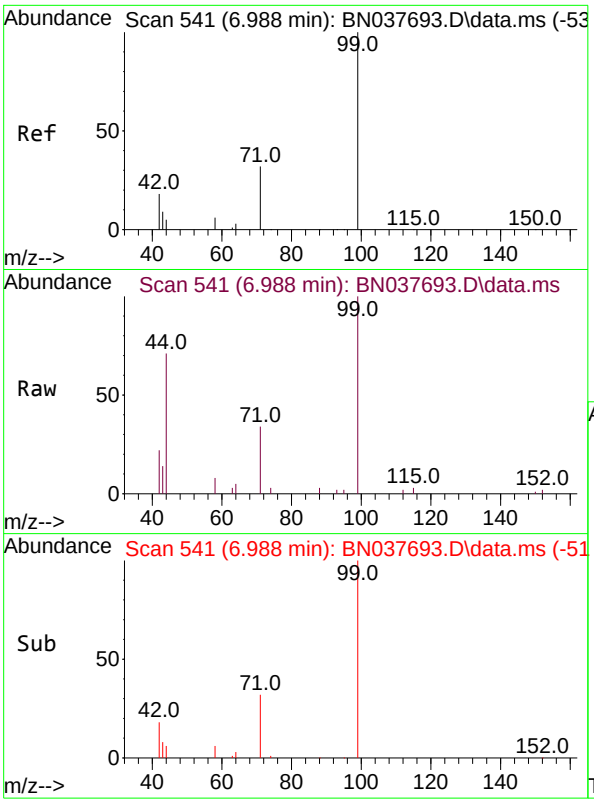


#4
2-Fluorophenol
Concen: 0.388 ng
RT: 5.399 min Scan# 321
Delta R.T. 0.000 min
Lab File: BN037693.D
Acq: 11 Sep 2025 11:08

Tgt Ion:112 Resp: 4452

Ion	Ratio	Lower	Upper
112	100		
64	56.1	44.9	67.3
63	30.9	24.7	37.1



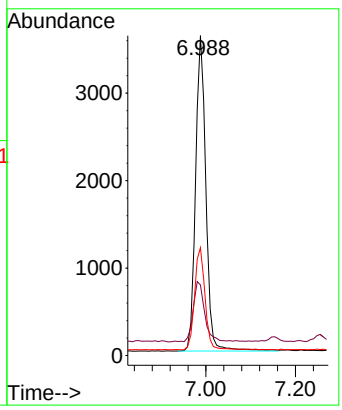


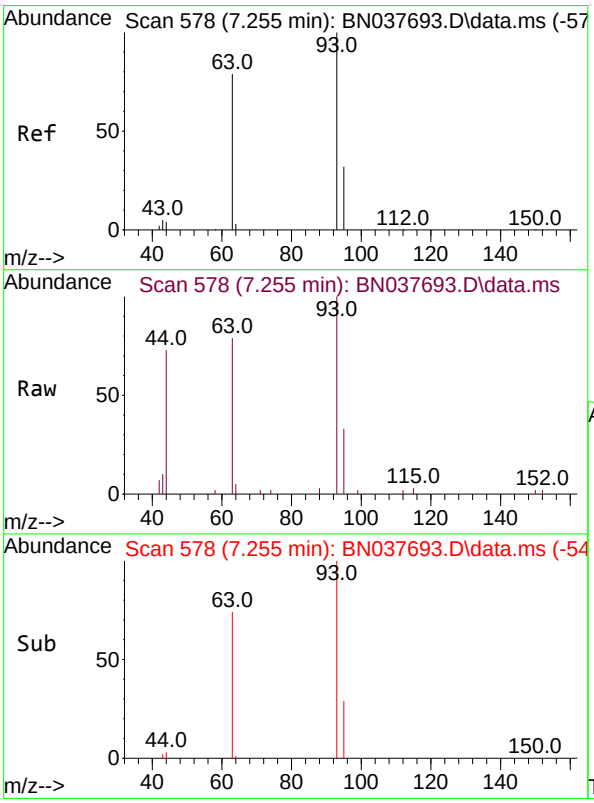
#5
Phenol-d6
Concen: 0.388 ng
RT: 6.988 min Scan# 54
Delta R.T. 0.000 min
Lab File: BN037693.D
Acq: 11 Sep 2025 11:08

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion: 99 Resp: 5771

Ion	Ratio	Lower	Upper
99	100		
42	20.7	16.6	24.8
71	33.4	26.7	40.1

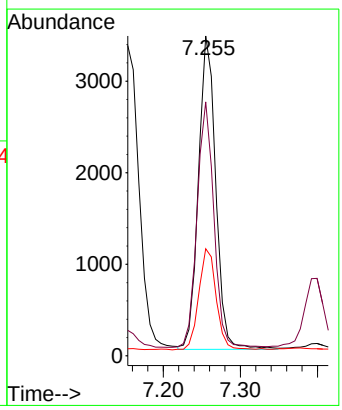


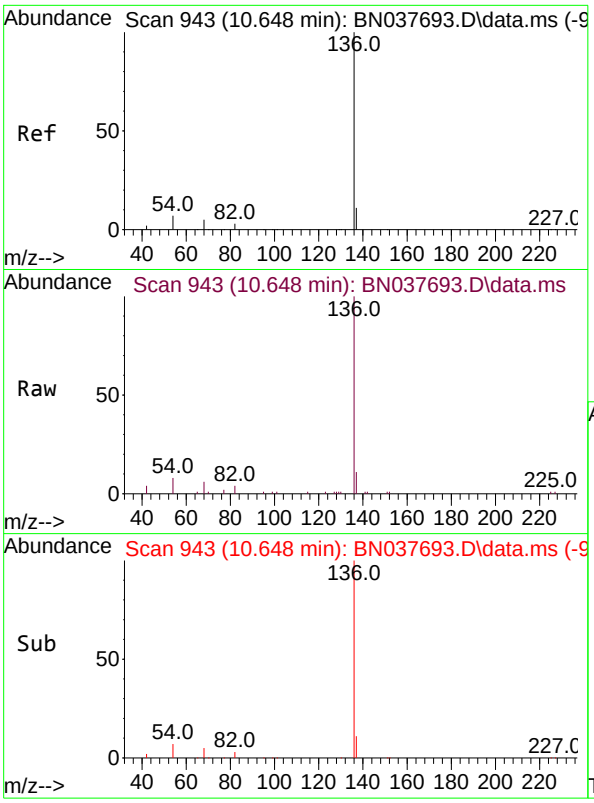


#6
bis(2-Chloroethyl)ether
Concen: 0.402 ng
RT: 7.255 min Scan# 578
Delta R.T. 0.000 min
Lab File: BN037693.D
Acq: 11 Sep 2025 11:08

Tgt Ion: 93 Resp: 5343

Ion	Ratio	Lower	Upper
93	100		
63	75.7	60.6	90.8
95	32.5	26.0	39.0



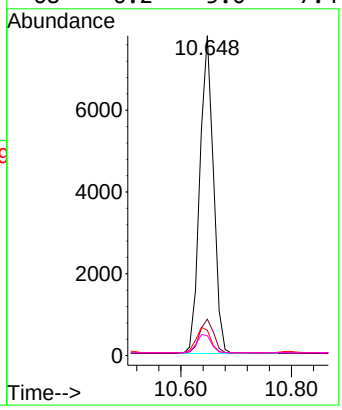


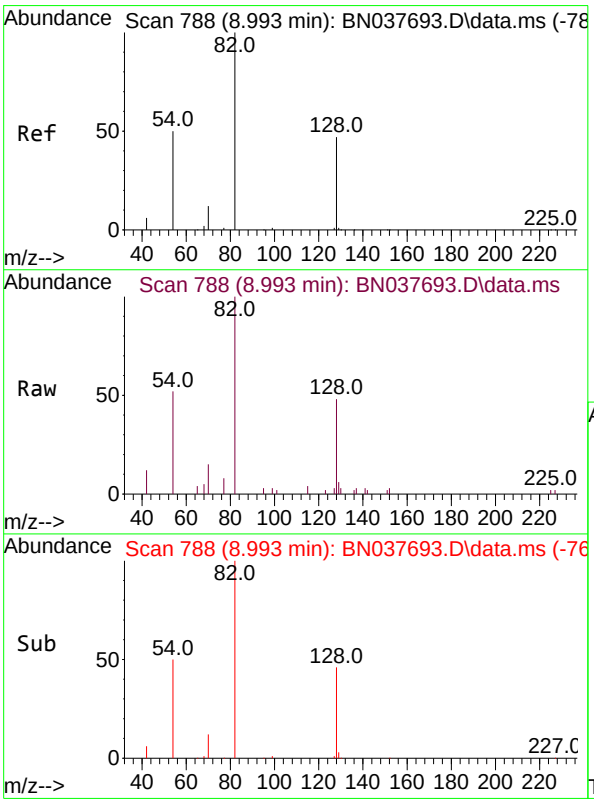
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.648 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN037693.D
Acq: 11 Sep 2025 11:08

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:136 Resp: 13249

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	7.9	6.3	9.5
68	6.2	5.0	7.4

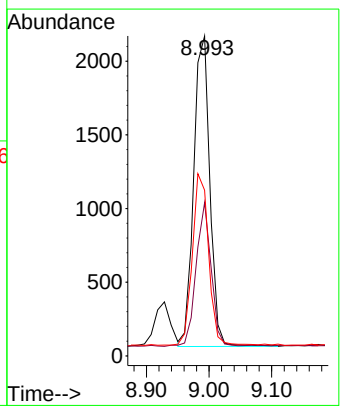


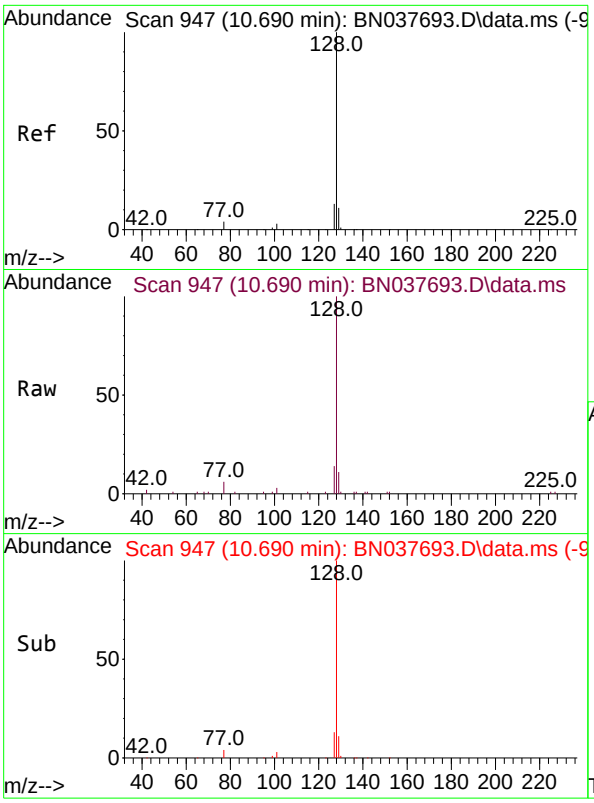


#8
Nitrobenzene-d5
Concen: 0.389 ng
RT: 8.993 min Scan# 788
Delta R.T. 0.000 min
Lab File: BN037693.D
Acq: 11 Sep 2025 11:08

Tgt Ion: 82 Resp: 3770

Ion	Ratio	Lower	Upper
82	100		
128	47.9	38.3	57.5
54	51.8	41.4	62.2



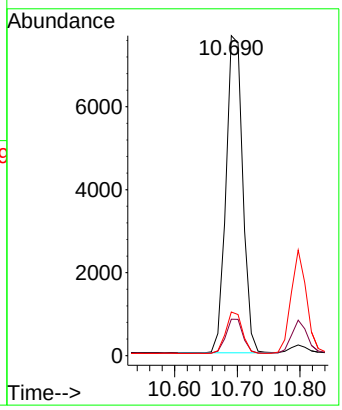


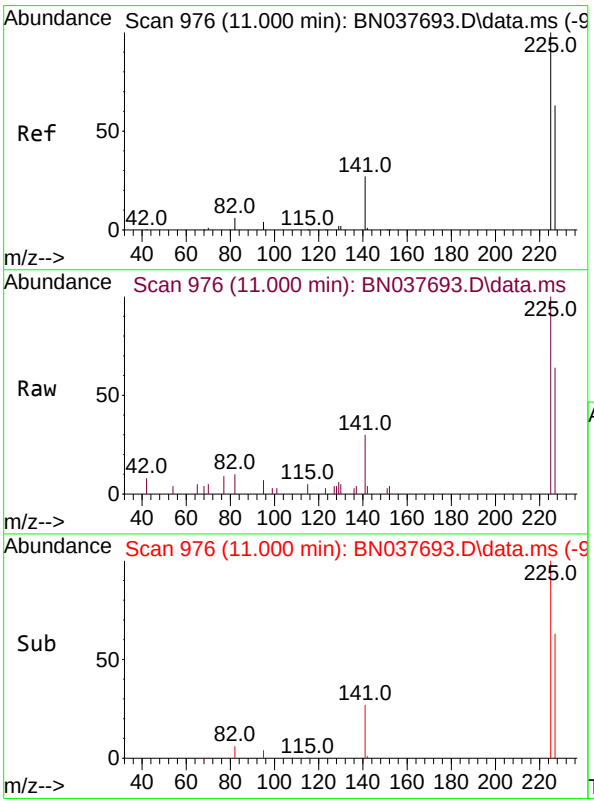
#9
Naphthalene
Concen: 0.393 ng
RT: 10.690 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN037693.D
Acq: 11 Sep 2025 11:08

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:128 Resp: 14229

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.1	13.7
127	13.6	10.9	16.3

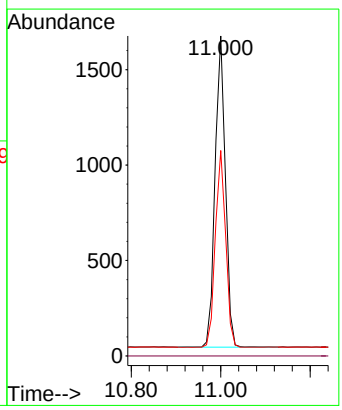


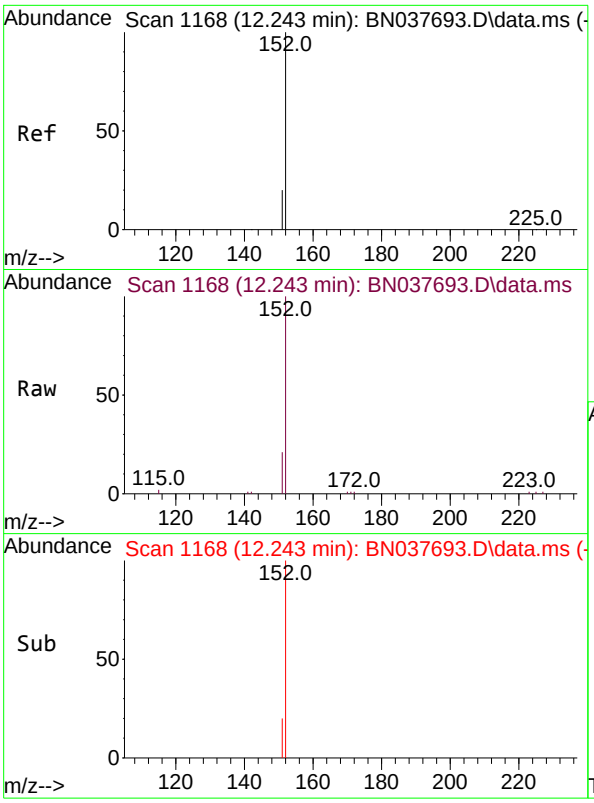


#10
Hexachlorobutadiene
Concen: 0.399 ng
RT: 11.000 min Scan# 976
Delta R.T. 0.000 min
Lab File: BN037693.D
Acq: 11 Sep 2025 11:08

Tgt Ion:225 Resp: 2615

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.6	50.9	76.3



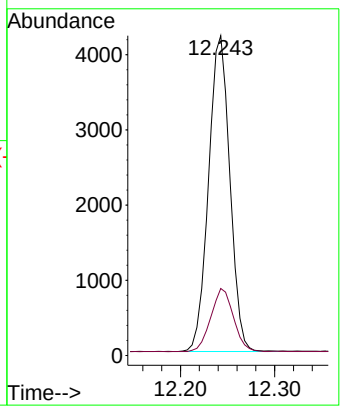


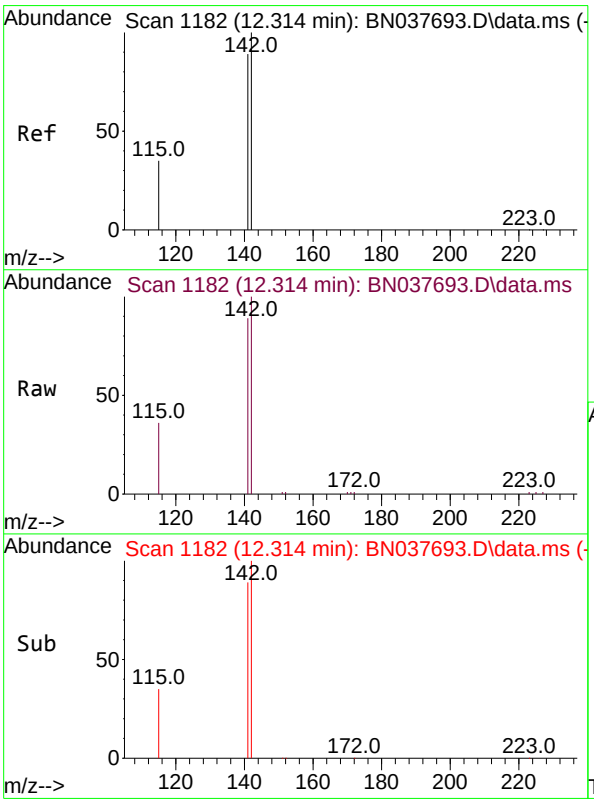
#11
2-Methylnaphthalene-d10
Concen: 0.376 ng
RT: 12.243 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN037693.D
Acq: 11 Sep 2025 11:08

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:152 Resp: 6602

Ion	Ratio	Lower	Upper
152	100		
151	21.3	17.0	25.6

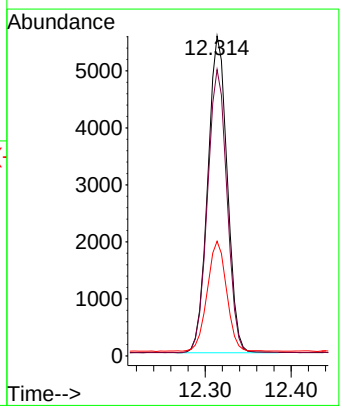


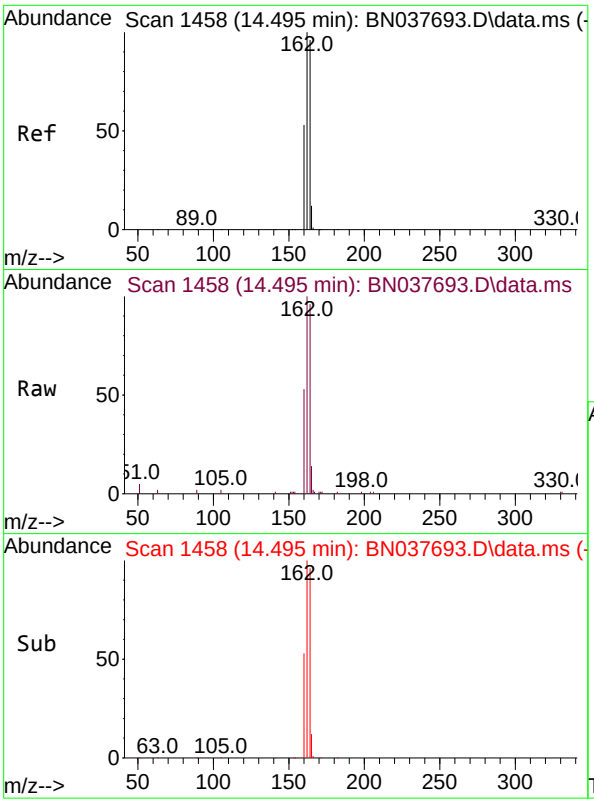


#12
2-Methylnaphthalene
Concen: 0.390 ng
RT: 12.314 min Scan# 1182
Delta R.T. 0.000 min
Lab File: BN037693.D
Acq: 11 Sep 2025 11:08

Tgt Ion:142 Resp: 8728

Ion	Ratio	Lower	Upper
142	100		
141	89.5	71.6	107.4
115	35.8	28.6	43.0



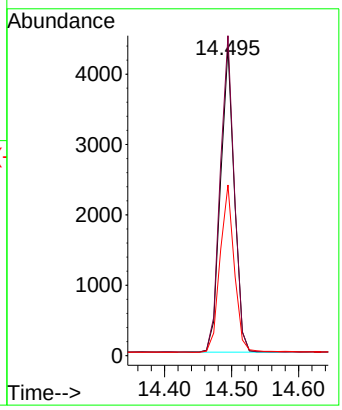


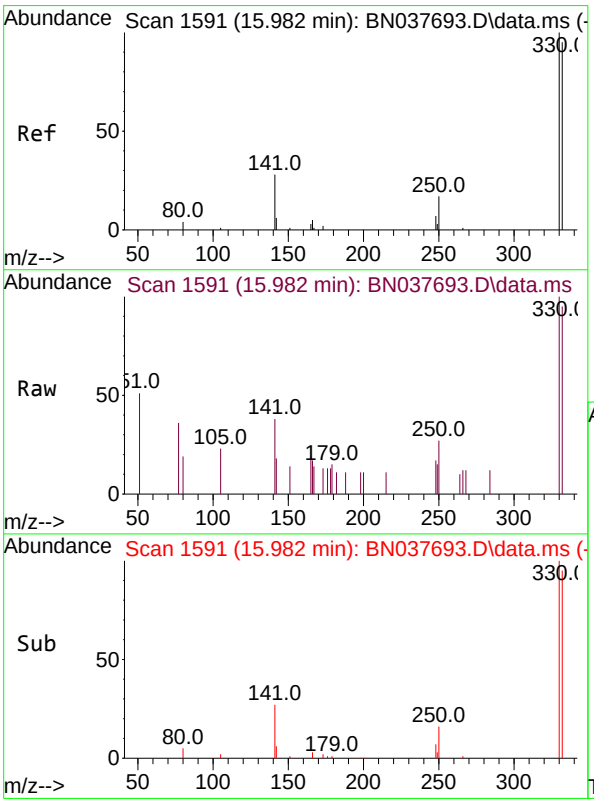
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.495 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037693.D
Acq: 11 Sep 2025 11:08

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:164 Resp: 6204

Ion	Ratio	Lower	Upper
164	100		
162	103.9	83.1	124.7
160	55.4	44.3	66.5

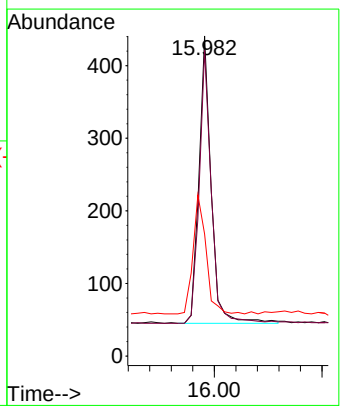


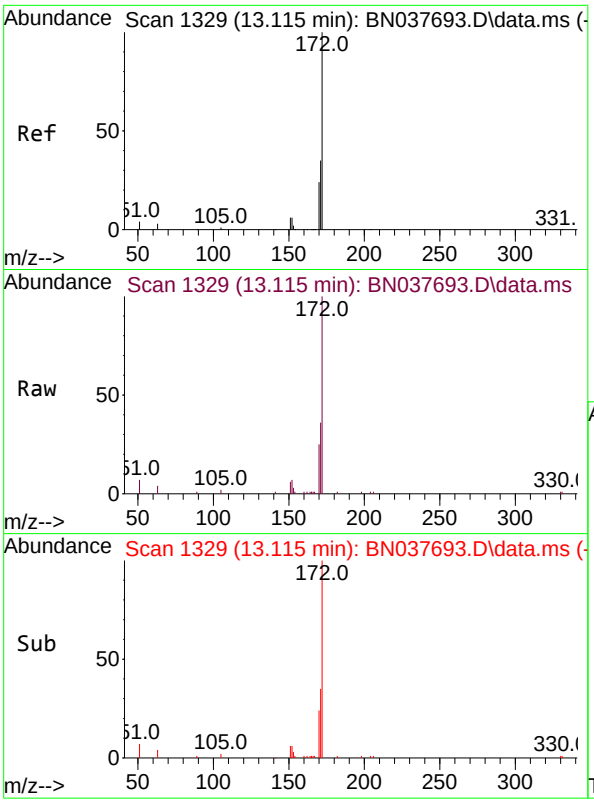


#14
2,4,6-Tribromophenol
Concen: 0.386 ng
RT: 15.982 min Scan# 1591
Delta R.T. -0.000 min
Lab File: BN037693.D
Acq: 11 Sep 2025 11:08

Tgt Ion:330 Resp: 625

Ion	Ratio	Lower	Upper
330	100		
332	94.1	75.3	112.9
141	43.7	35.0	52.4



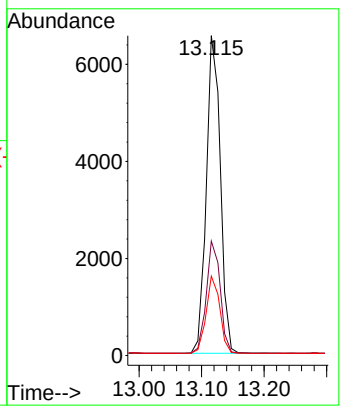


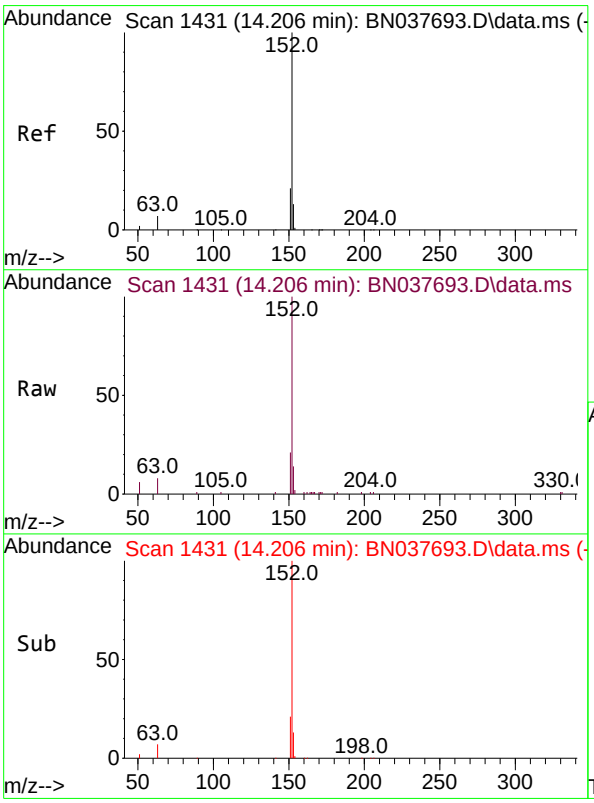
#15
2-Fluorobiphenyl
Concen: 0.394 ng
RT: 13.115 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037693.D
Acq: 11 Sep 2025 11:08

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:172 Resp: 10228

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.6	43.0
170	24.8	19.8	29.8

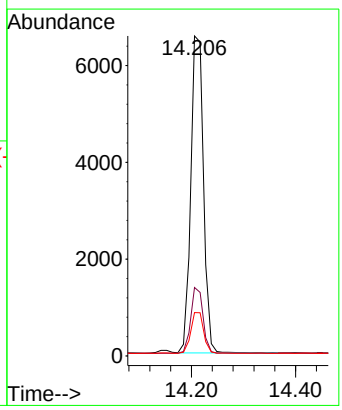


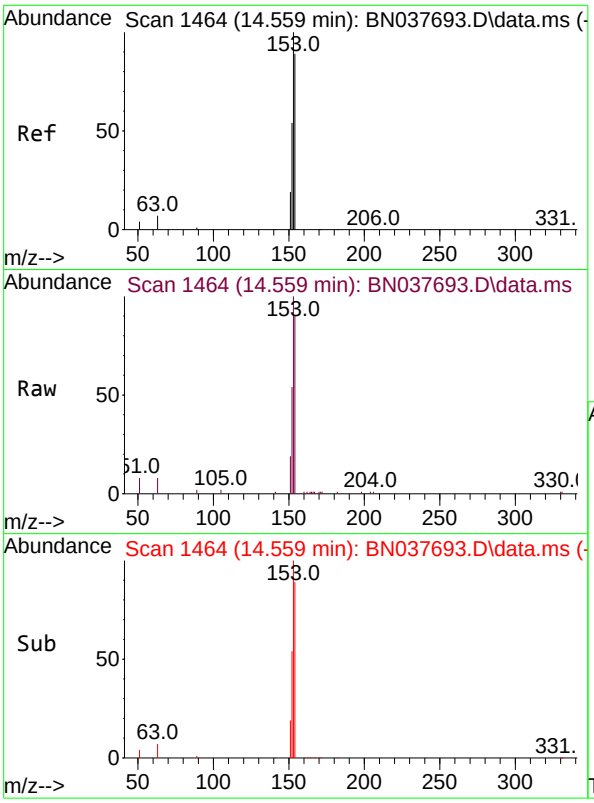


#16
Acenaphthylene
Concen: 0.389 ng
RT: 14.206 min Scan# 1431
Delta R.T. 0.000 min
Lab File: BN037693.D
Acq: 11 Sep 2025 11:08

Tgt Ion:152 Resp: 11064

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.2	24.2
153	13.0	10.4	15.6



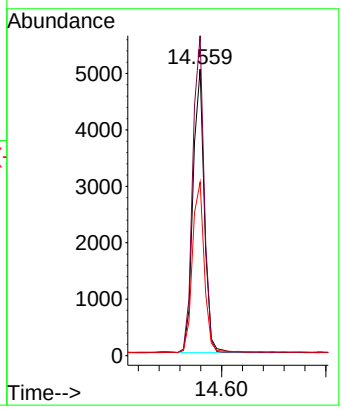


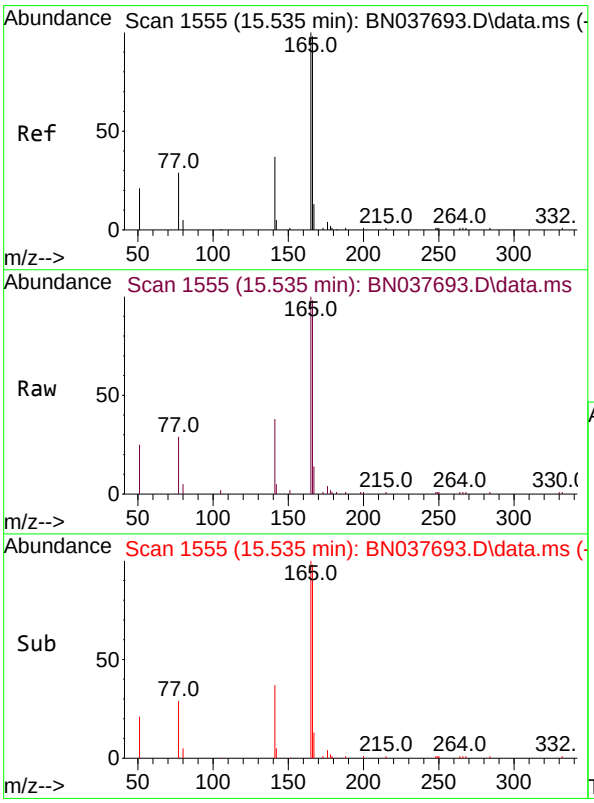
#17
Acenaphthene
Concen: 0.392 ng
RT: 14.559 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037693.D
Acq: 11 Sep 2025 11:08

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:154 Resp: 7540

Ion	Ratio	Lower	Upper
154	100		
153	112.3	89.8	134.8
152	62.7	50.2	75.2

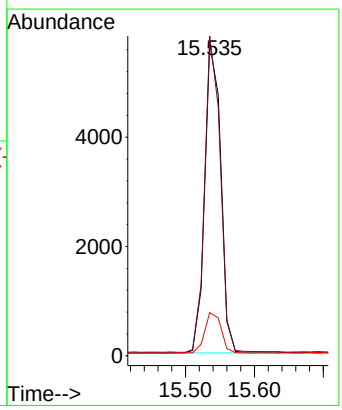


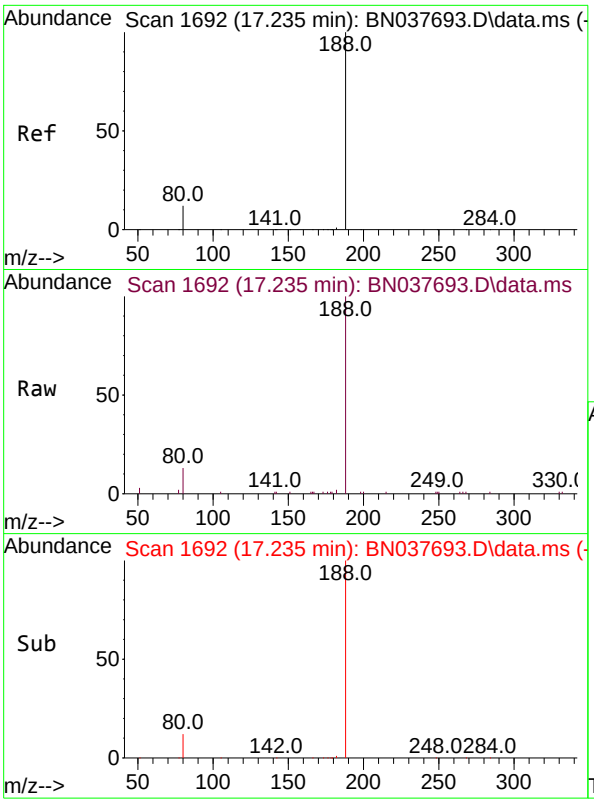


#18
Fluorene
Concen: 0.384 ng
RT: 15.535 min Scan# 1555
Delta R.T. 0.000 min
Lab File: BN037693.D
Acq: 11 Sep 2025 11:08

Tgt Ion:166 Resp: 8938

Ion	Ratio	Lower	Upper
166	100		
165	99.5	79.6	119.4
167	13.3	10.6	16.0



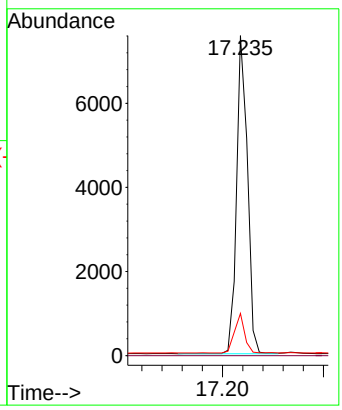


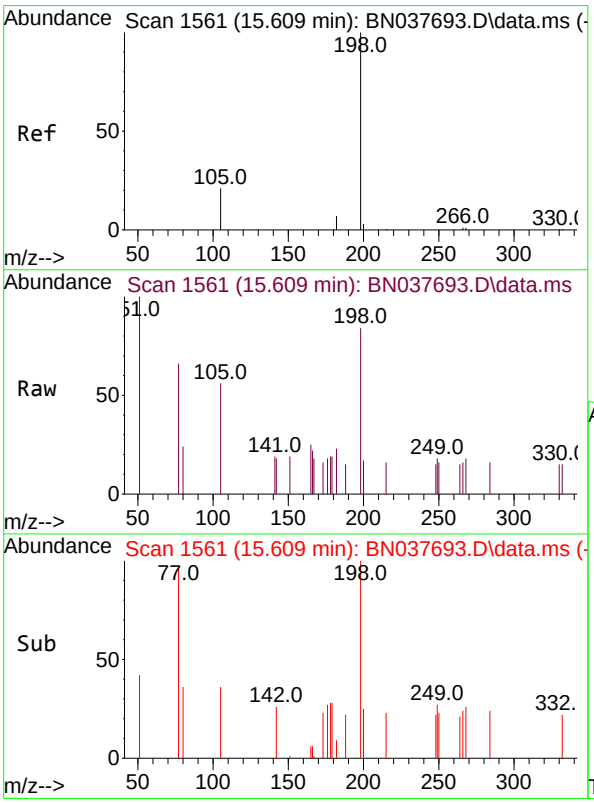
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.235 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037693.D
Acq: 11 Sep 2025 11:08

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:188 Resp: 11263

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	13.2	10.6	15.8

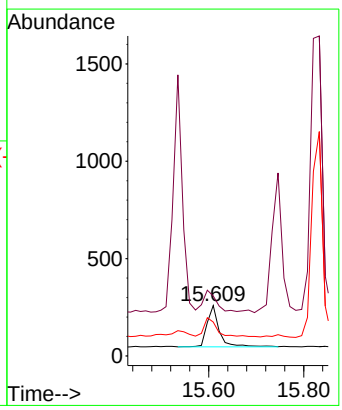


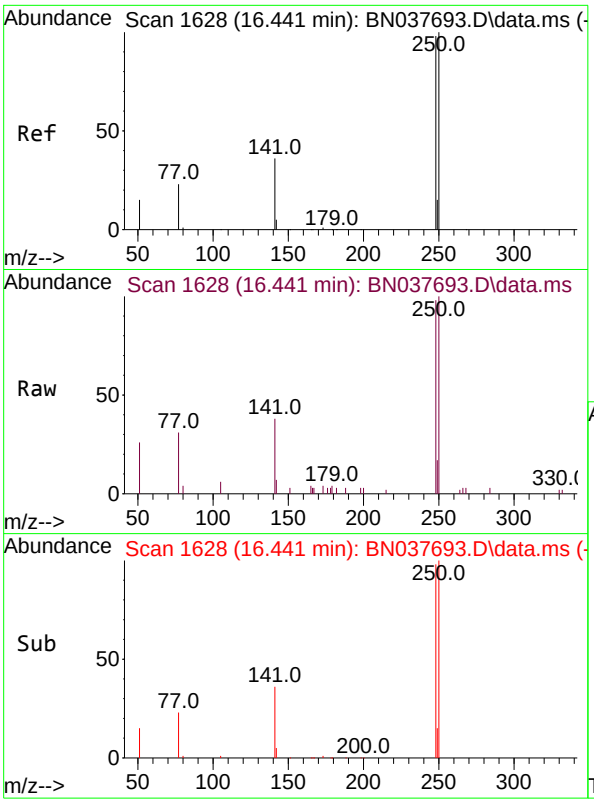


#20
4,6-Dinitro-2-methylphenol
Concen: 0.357 ng
RT: 15.609 min Scan# 1561
Delta R.T. 0.000 min
Lab File: BN037693.D
Acq: 11 Sep 2025 11:08

Tgt Ion:198 Resp: 372

Ion	Ratio	Lower	Upper
198	100		
51	118.9	95.1	142.7
105	67.2	53.8	80.6



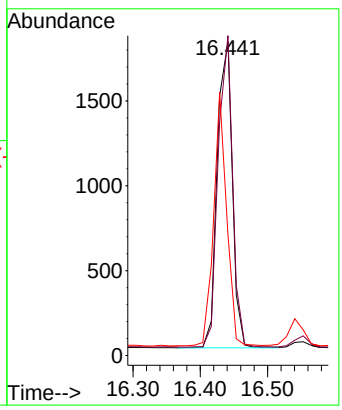


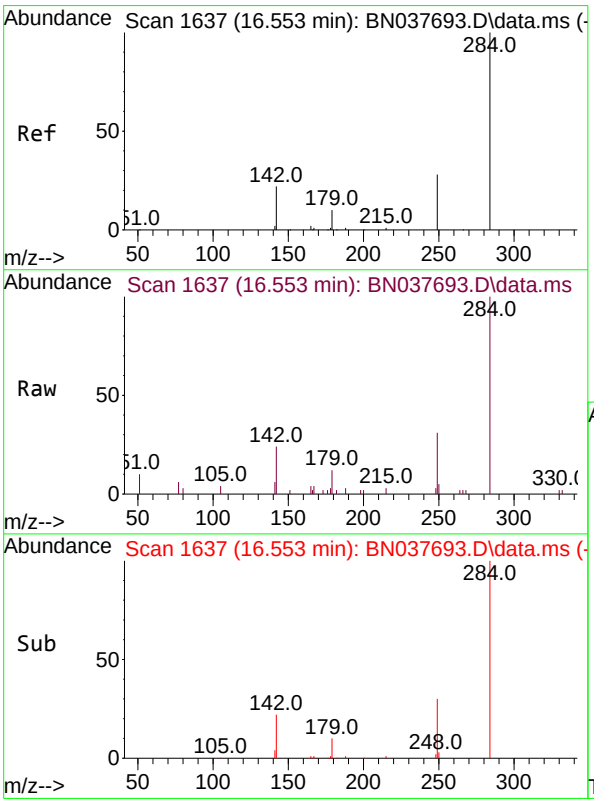
#21
4-Bromophenyl-phenylether
Concen: 0.385 ng
RT: 16.441 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037693.D
Acq: 11 Sep 2025 11:08

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:248 Resp: 2827

Ion	Ratio	Lower	Upper
248	100		
250	101.9	81.5	122.3
141	38.5	30.8	46.2

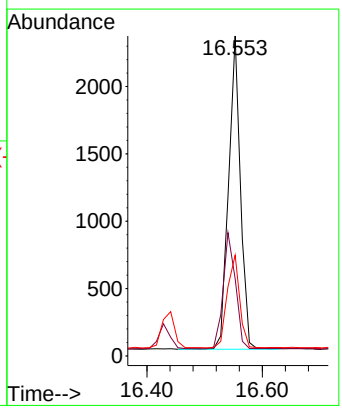


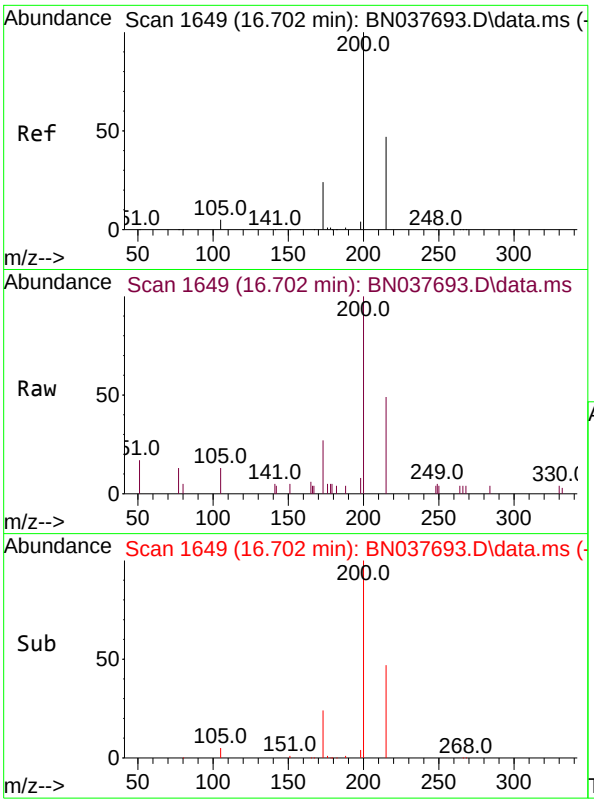


#22
Hexachlorobenzene
Concen: 0.392 ng
RT: 16.553 min Scan# 1637
Delta R.T. 0.000 min
Lab File: BN037693.D
Acq: 11 Sep 2025 11:08

Tgt Ion:284 Resp: 3312

Ion	Ratio	Lower	Upper
284	100		
142	38.6	30.9	46.3
249	31.0	24.8	37.2



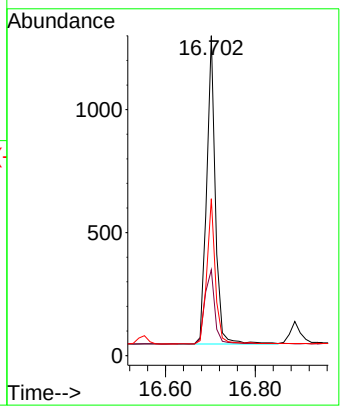


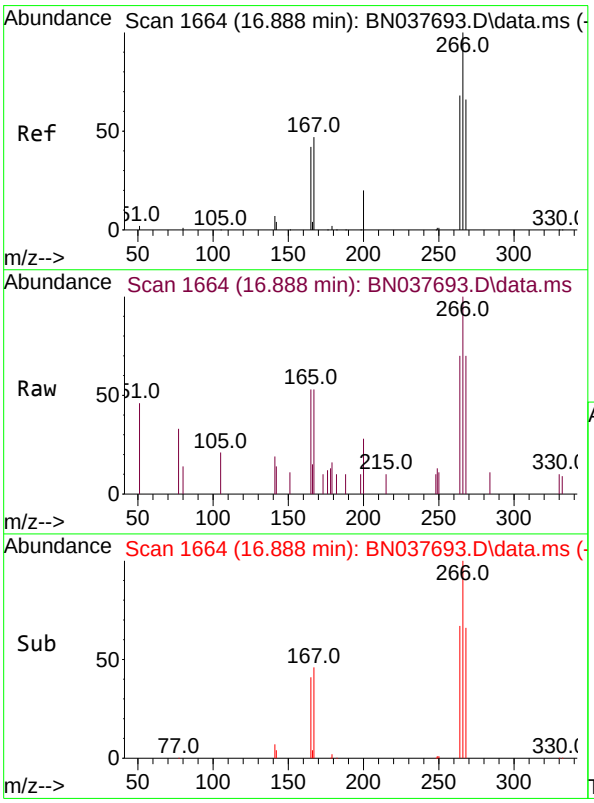
#23
Atrazine
Concen: 0.365 ng
RT: 16.702 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037693.D
Acq: 11 Sep 2025 11:08

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:200 Resp: 1707

Ion	Ratio	Lower	Upper
200	100		
173	26.8	21.4	32.2
215	49.0	39.2	58.8

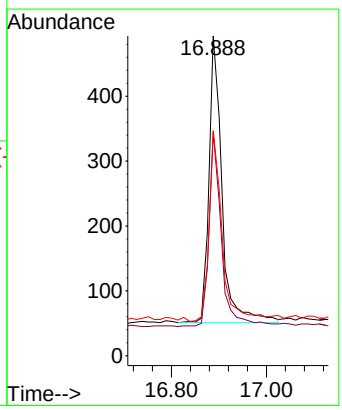


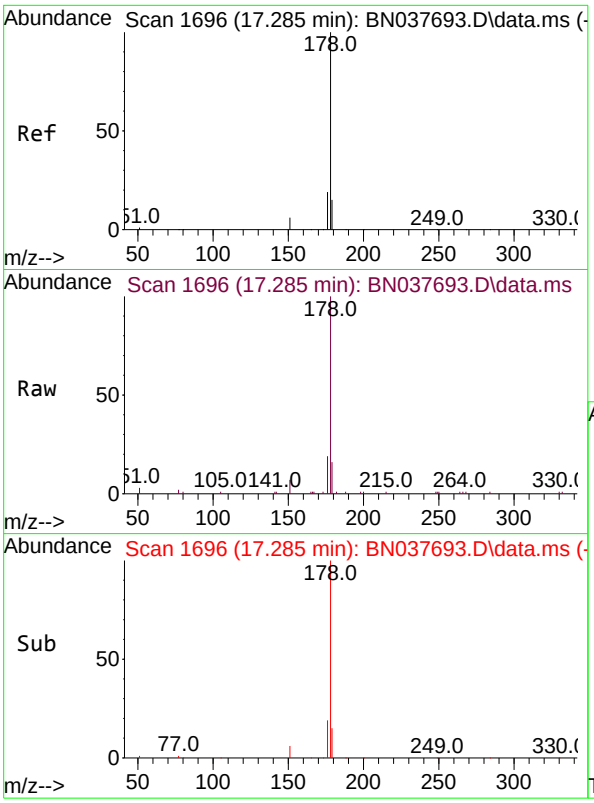


#24
Pentachlorophenol
Concen: 0.342 ng
RT: 16.888 min Scan# 1664
Delta R.T. 0.000 min
Lab File: BN037693.D
Acq: 11 Sep 2025 11:08

Tgt Ion:266 Resp: 839

Ion	Ratio	Lower	Upper
266	100		
264	64.5	51.6	77.4
268	66.5	53.2	79.8



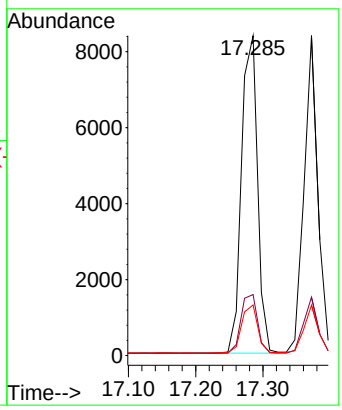


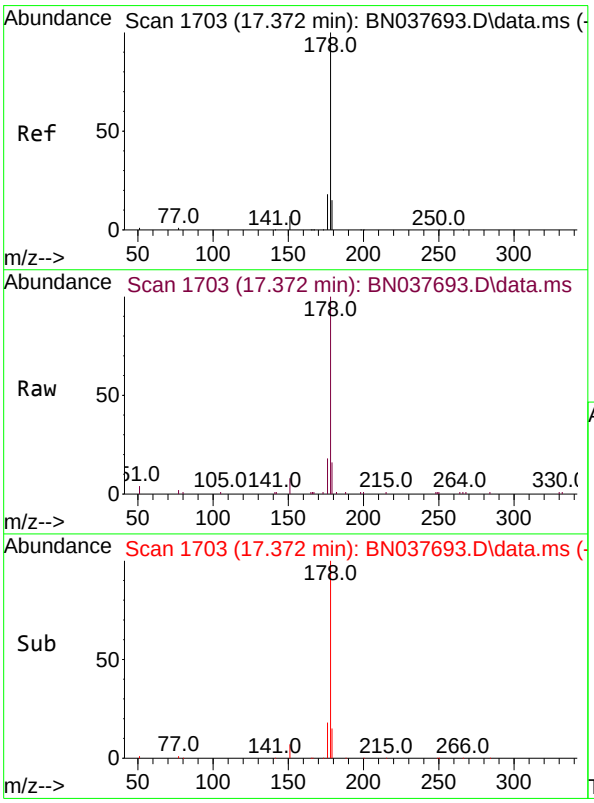
#25
Phenanthrene
Concen: 0.389 ng
RT: 17.285 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037693.D
Acq: 11 Sep 2025 11:08

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:178 Resp: 13778

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.2	12.2	18.2

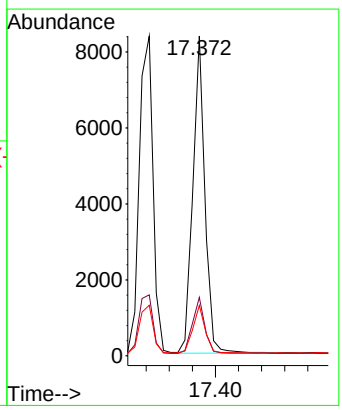


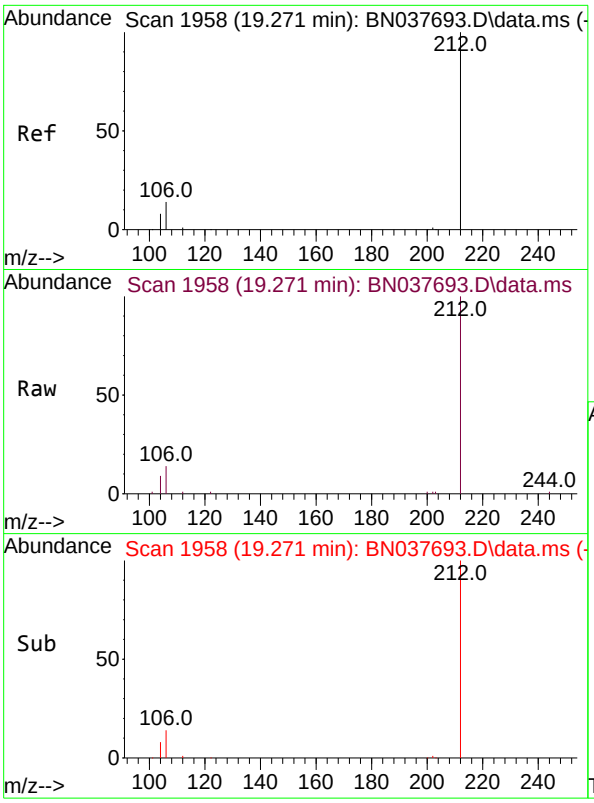


#26
Anthracene
Concen: 0.384 ng
RT: 17.372 min Scan# 1703
Delta R.T. 0.000 min
Lab File: BN037693.D
Acq: 11 Sep 2025 11:08

Tgt Ion:178 Resp: 12049

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.6	22.0
179	15.3	12.2	18.4



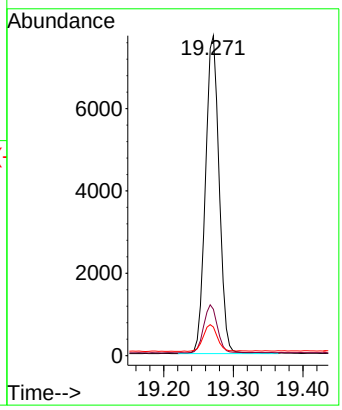


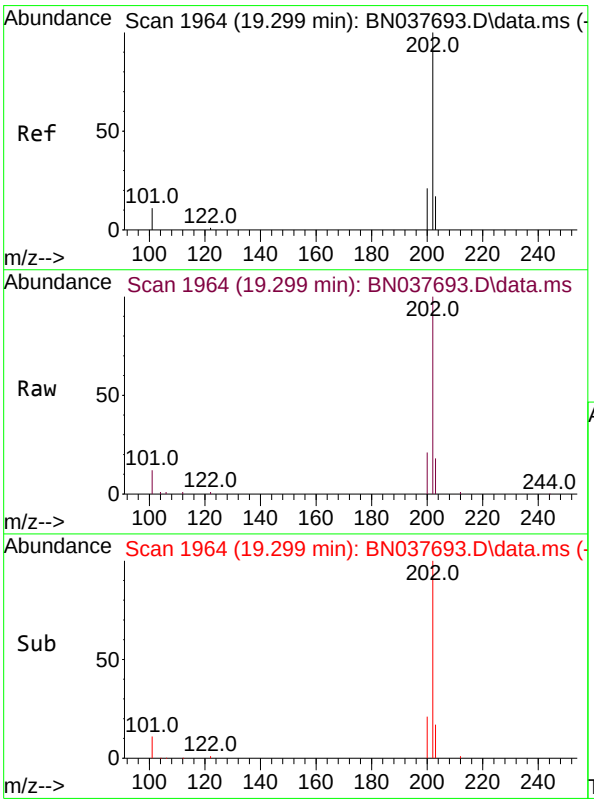
#27
Fluoranthene-d10
Concen: 0.372 ng
RT: 19.271 min Scan# 19
Delta R.T. 0.000 min
Lab File: BN037693.D
Acq: 11 Sep 2025 11:08

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:212 Resp: 10530

Ion	Ratio	Lower	Upper
212	100		
106	15.2	12.2	18.2
104	8.6	6.9	10.3

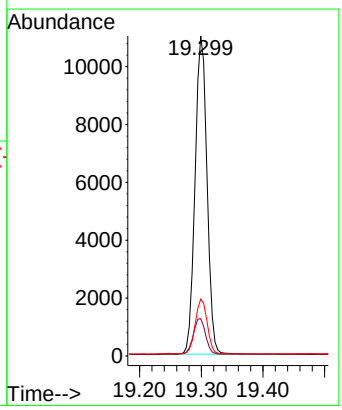


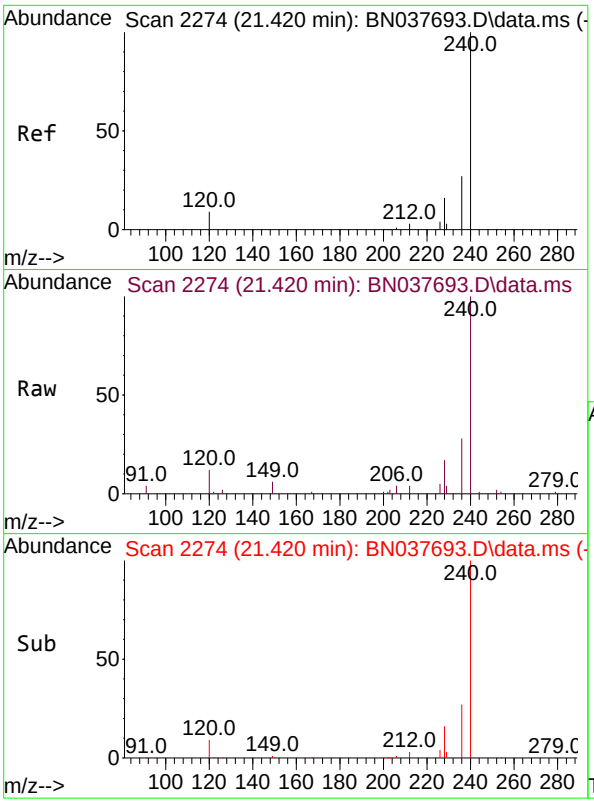


#28
Fluoranthene
Concen: 0.379 ng
RT: 19.299 min Scan# 1964
Delta R.T. 0.000 min
Lab File: BN037693.D
Acq: 11 Sep 2025 11:08

Tgt Ion:202 Resp: 14751

Ion	Ratio	Lower	Upper
202	100		
101	11.6	9.3	13.9
203	17.1	13.7	20.5



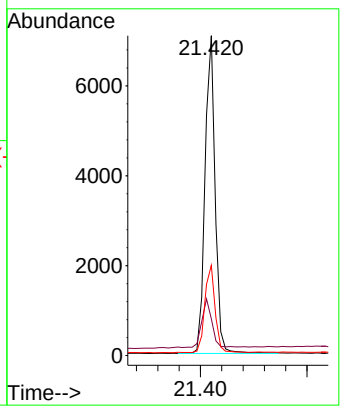


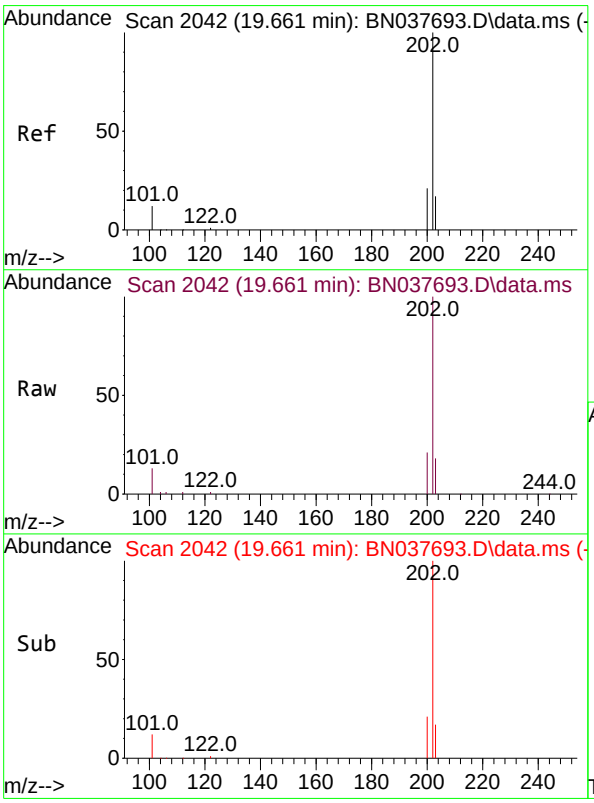
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.420 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN037693.D
Acq: 11 Sep 2025 11:08

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:240 Resp: 9368

Ion	Ratio	Lower	Upper
240	100		
120	11.5	9.2	13.8
236	28.2	22.6	33.8

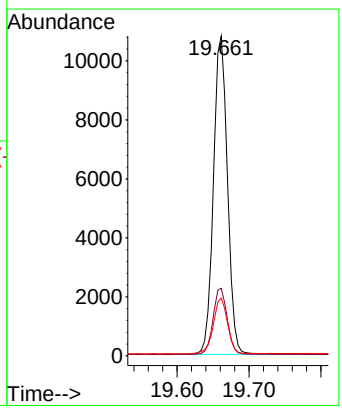


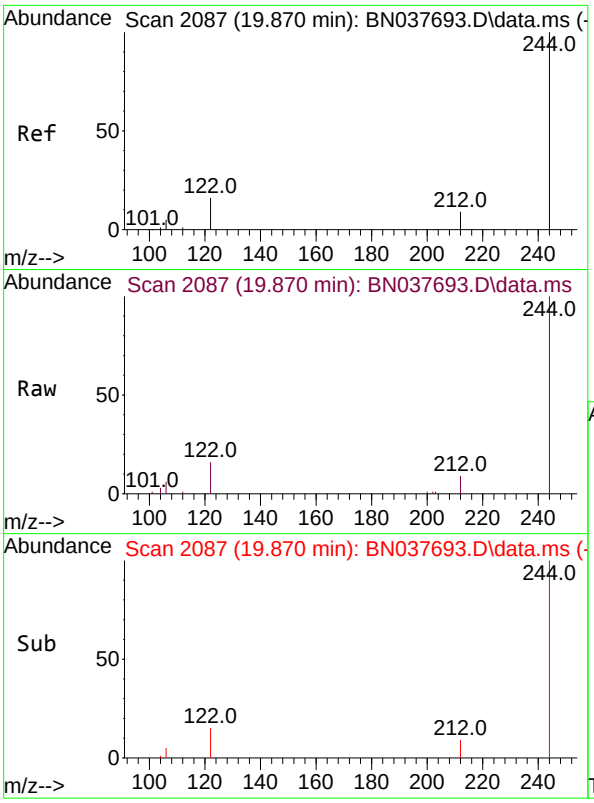


#30
Pyrene
Concen: 0.398 ng
RT: 19.661 min Scan# 2042
Delta R.T. 0.000 min
Lab File: BN037693.D
Acq: 11 Sep 2025 11:08

Tgt Ion:202 Resp: 14587

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.8	25.2
203	17.9	14.3	21.5



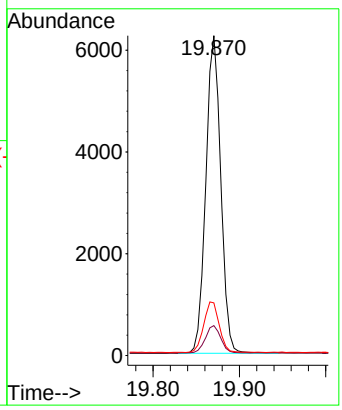


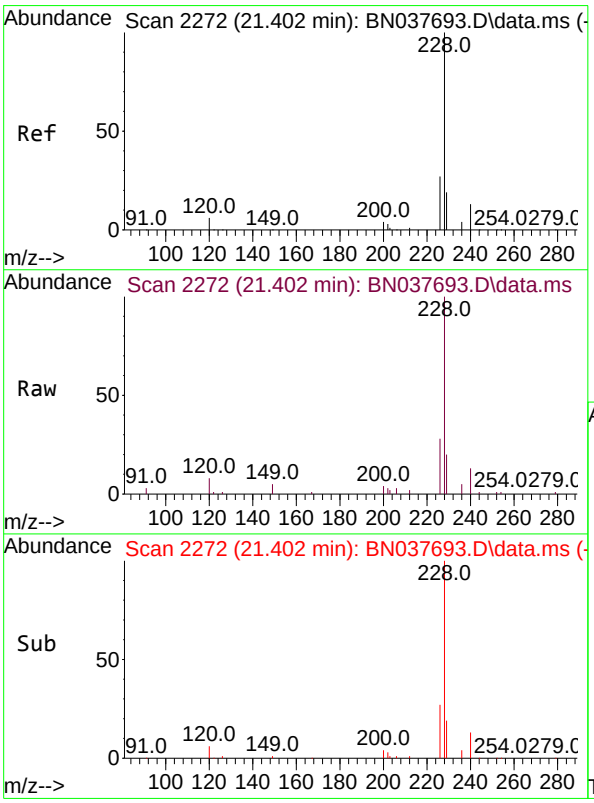
#31
Terphenyl-d14
Concen: 0.395 ng
RT: 19.870 min Scan# 20
Delta R.T. 0.000 min
Lab File: BN037693.D
Acq: 11 Sep 2025 11:08

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:244 Resp: 7507

Ion	Ratio	Lower	Upper
244	100		
212	9.4	7.5	11.3
122	16.5	13.2	19.8

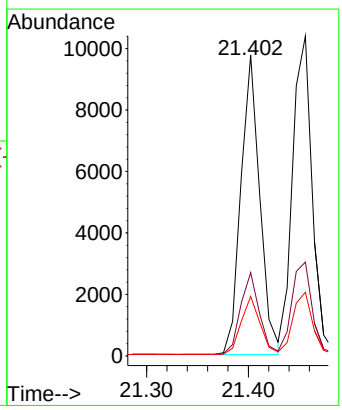


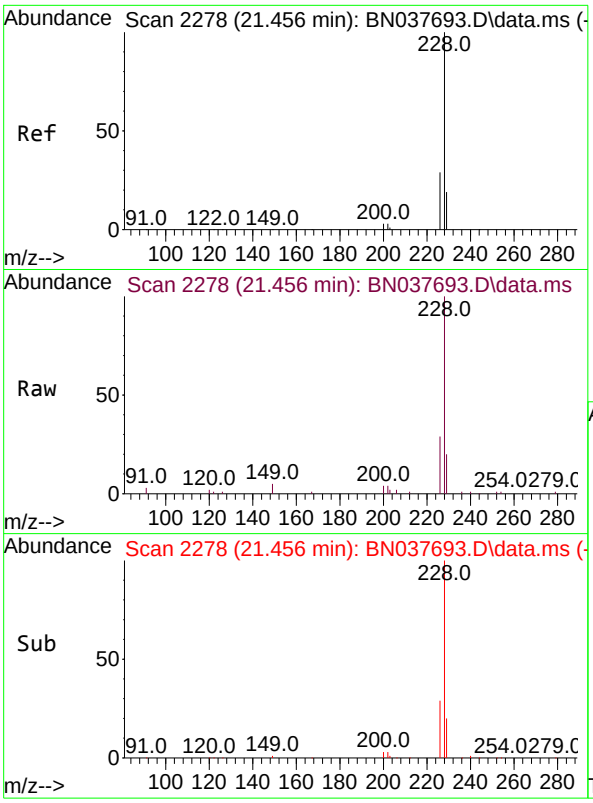


#32
Benzo(a)anthracene
Concen: 0.386 ng
RT: 21.402 min Scan# 2272
Delta R.T. 0.000 min
Lab File: BN037693.D
Acq: 11 Sep 2025 11:08

Tgt Ion:228 Resp: 12621

Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.2	33.2
229	19.7	15.8	23.6



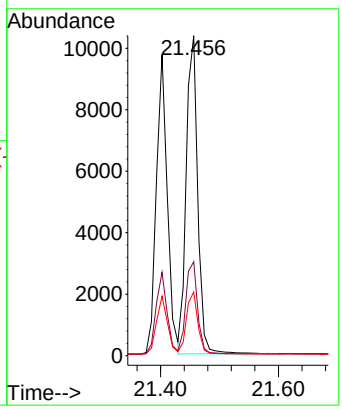


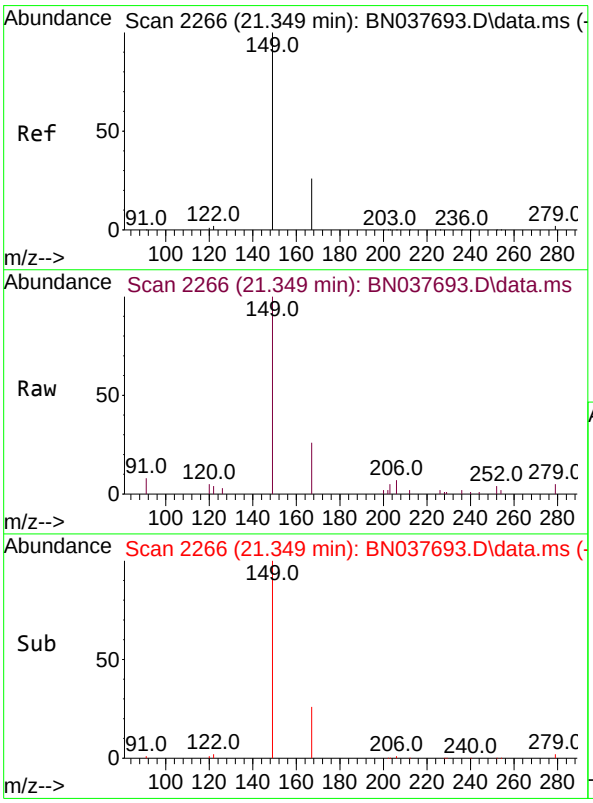
#33
Chrysene
Concen: 0.400 ng
RT: 21.456 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037693.D
Acq: 11 Sep 2025 11:08

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:228 Resp: 14018

Ion	Ratio	Lower	Upper
228	100		
226	29.4	23.5	35.3
229	19.9	15.9	23.9

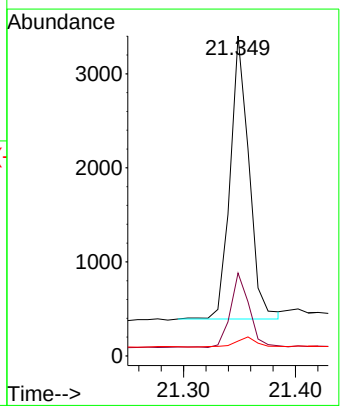


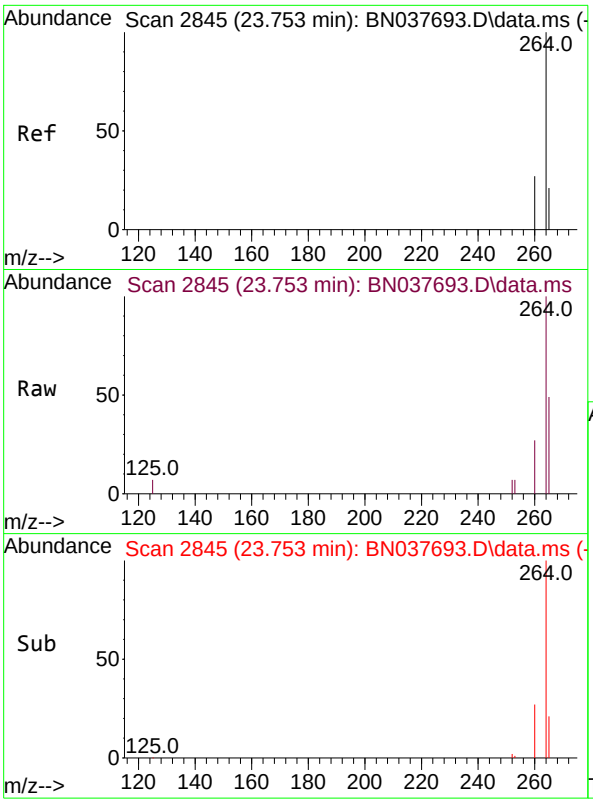


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.363 ng
RT: 21.349 min Scan# 2266
Delta R.T. 0.000 min
Lab File: BN037693.D
Acq: 11 Sep 2025 11:08

Tgt Ion:149 Resp: 3520

Ion	Ratio	Lower	Upper
149	100		
167	25.8	20.8	31.2
279	4.0	3.3	4.9



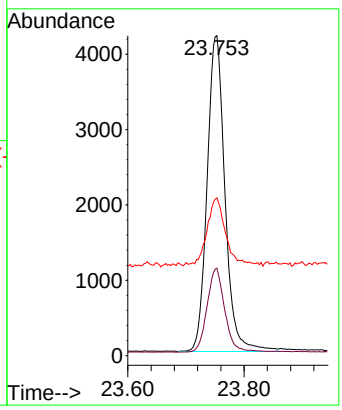


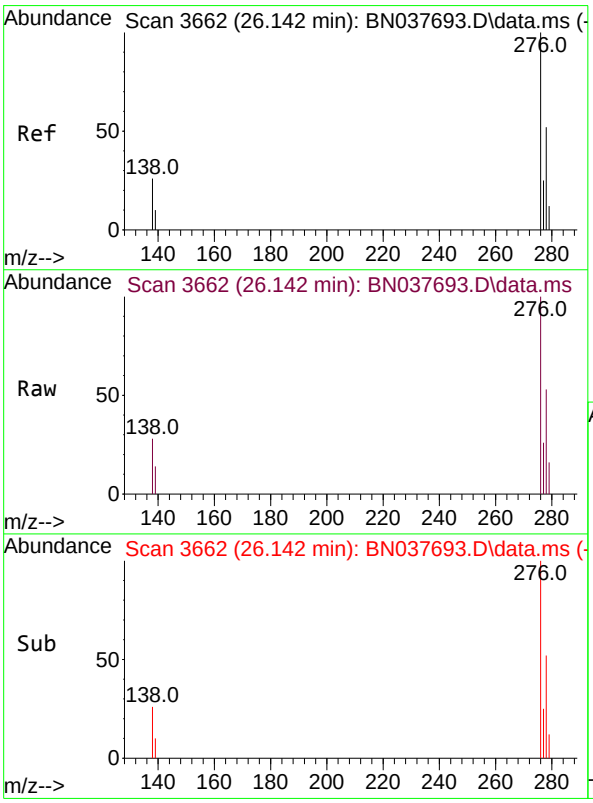
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.753 min Scan# 28
Delta R.T. 0.000 min
Lab File: BN037693.D
Acq: 11 Sep 2025 11:08

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:264 Resp: 8965

Ion	Ratio	Lower	Upper
264	100		
260	27.3	21.8	32.8
265	49.3	39.4	59.2

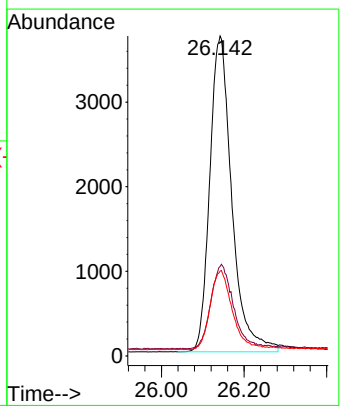


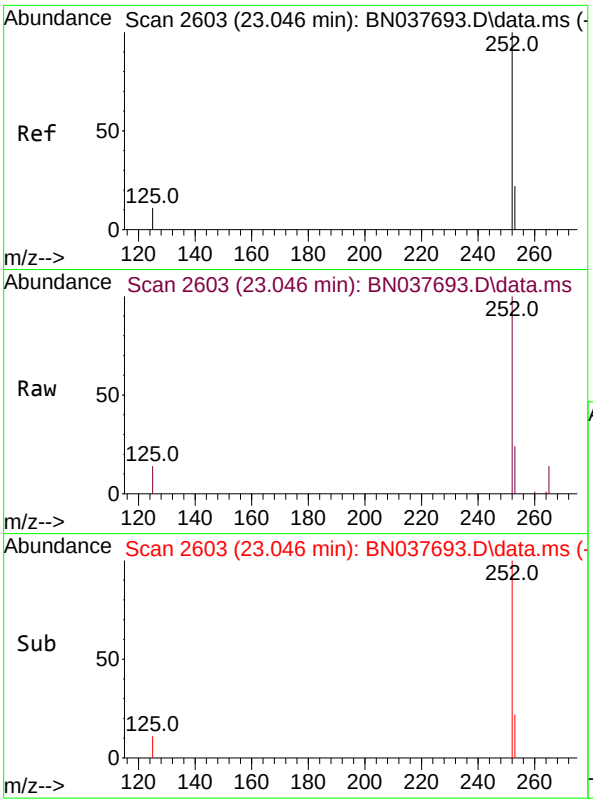


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.367 ng
RT: 26.142 min Scan# 3662
Delta R.T. 0.000 min
Lab File: BN037693.D
Acq: 11 Sep 2025 11:08

Tgt Ion:276 Resp: 13835

Ion	Ratio	Lower	Upper
276	100		
138	27.4	21.9	32.9
277	25.1	20.1	30.1



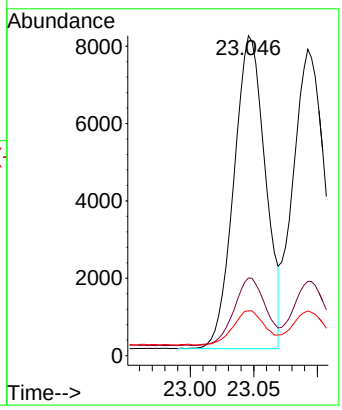


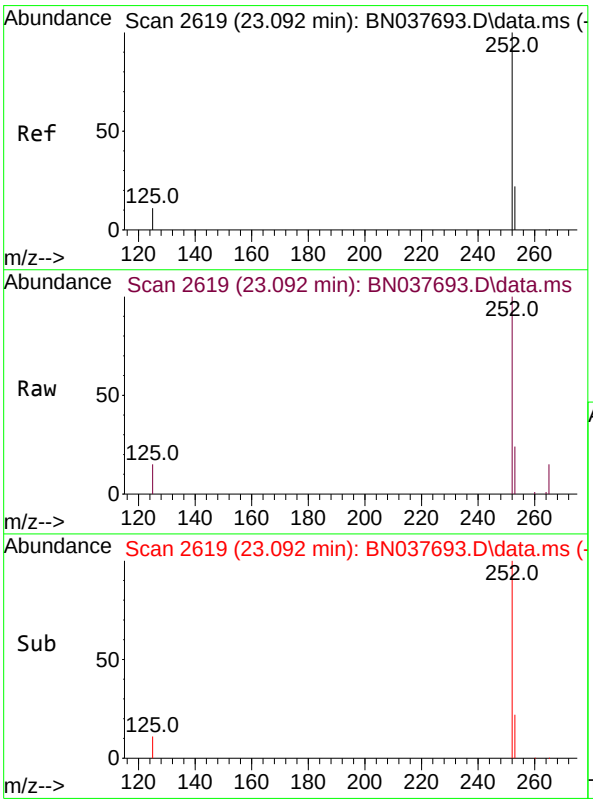
#37
Benzo(b)fluoranthene
Concen: 0.395 ng
RT: 23.046 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037693.D
Acq: 11 Sep 2025 11:08

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:252 Resp: 13935

Ion	Ratio	Lower	Upper
252	100		
253	24.3	19.4	29.2
125	14.0	11.2	16.8

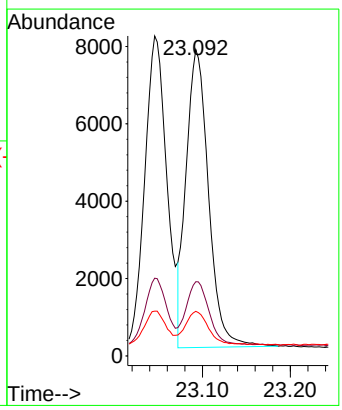


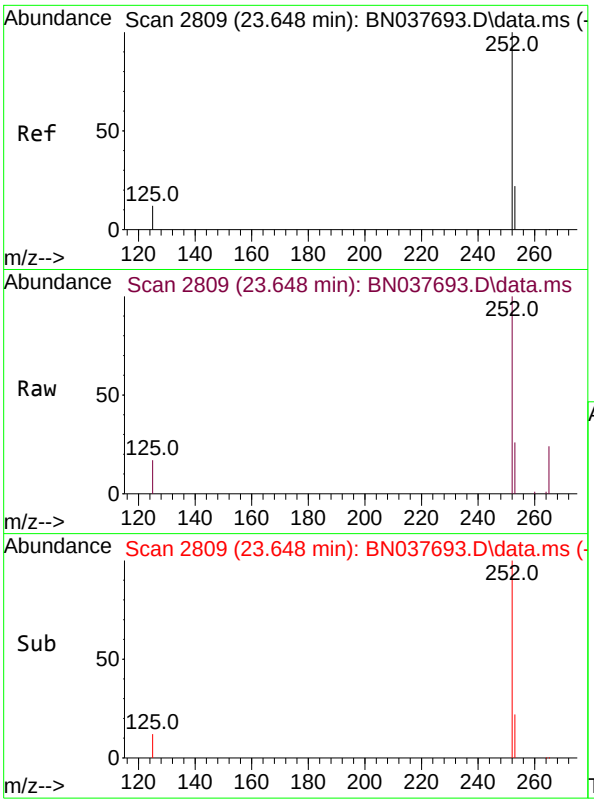


#38
Benzo(k)fluoranthene
Concen: 0.379 ng
RT: 23.092 min Scan# 2619
Delta R.T. 0.000 min
Lab File: BN037693.D
Acq: 11 Sep 2025 11:08

Tgt Ion:252 Resp: 13659

Ion	Ratio	Lower	Upper
252	100		
253	24.2	19.4	29.0
125	14.5	11.6	17.4



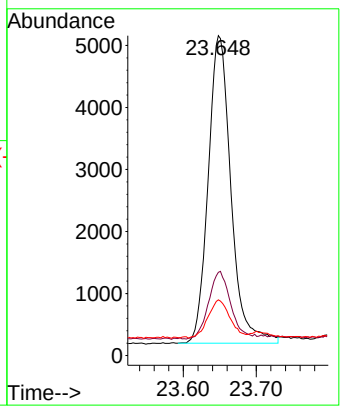


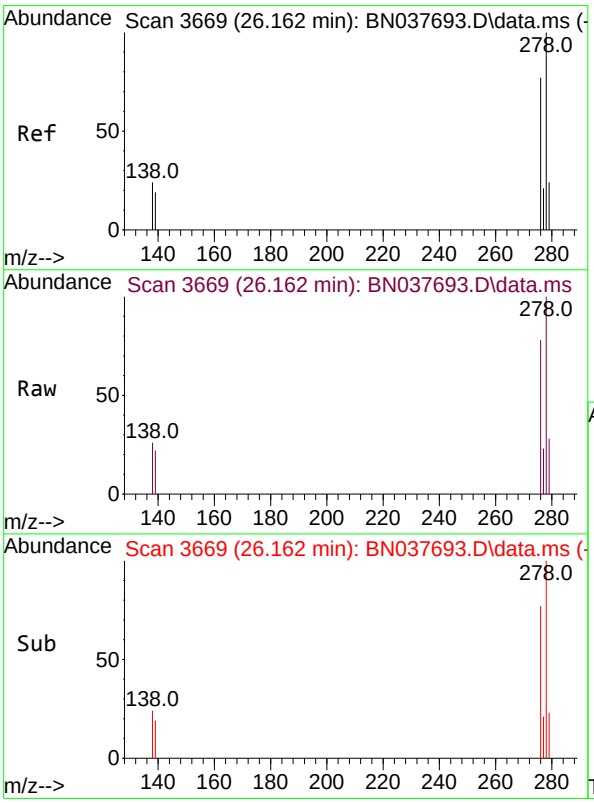
#39
Benzo(a)pyrene
Concen: 0.381 ng
RT: 23.648 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037693.D
Acq: 11 Sep 2025 11:08

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:252 Resp: 10766

Ion	Ratio	Lower	Upper
252	100		
253	26.0	20.8	31.2
125	17.4	13.9	20.9

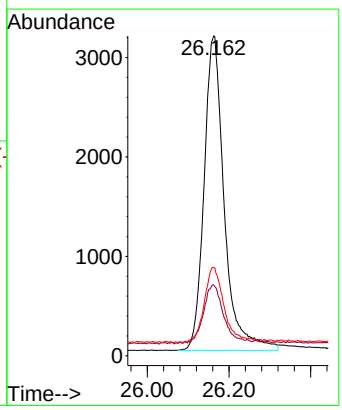


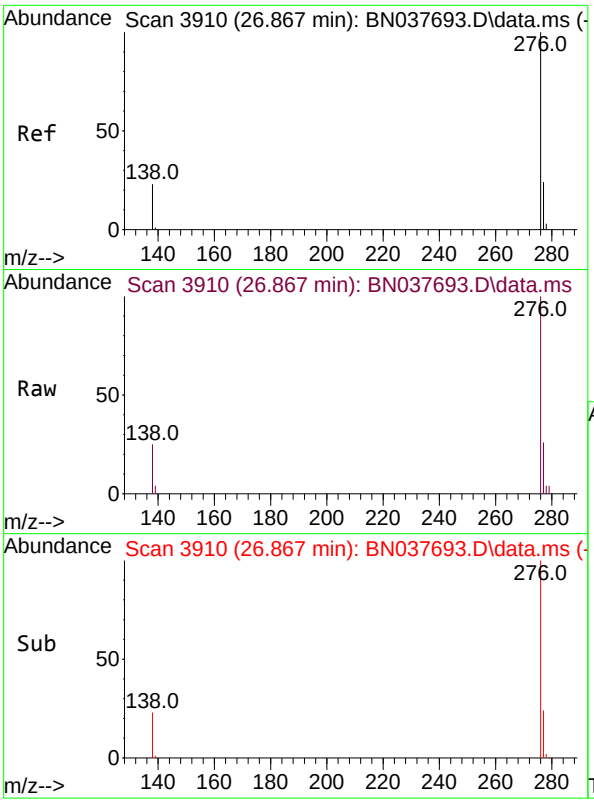


#40
Dibenzo(a,h)anthracene
Concen: 0.361 ng
RT: 26.162 min Scan# 3669
Delta R.T. 0.000 min
Lab File: BN037693.D
Acq: 11 Sep 2025 11:08

Tgt Ion:278 Resp: 10852

Ion	Ratio	Lower	Upper
278	100		
139	22.2	17.8	26.6
279	27.5	22.0	33.0



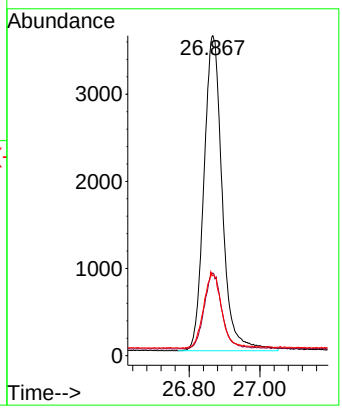


#41
Benzo(g,h,i)perylene
Concen: 0.385 ng
RT: 26.867 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN037693.D
Acq: 11 Sep 2025 11:08

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:276 Resp: 13009

Ion	Ratio	Lower	Upper
276	100		
277	25.8	20.6	31.0
138	25.2	20.2	30.2



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091125\
Data File : BN037694.D
Acq On : 11 Sep 2025 11:44
Operator : RC/JU
Sample : SSTDICC0.8
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Quant Time: Sep 11 14:06:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:02:44 2025
Response via : Initial Calibration

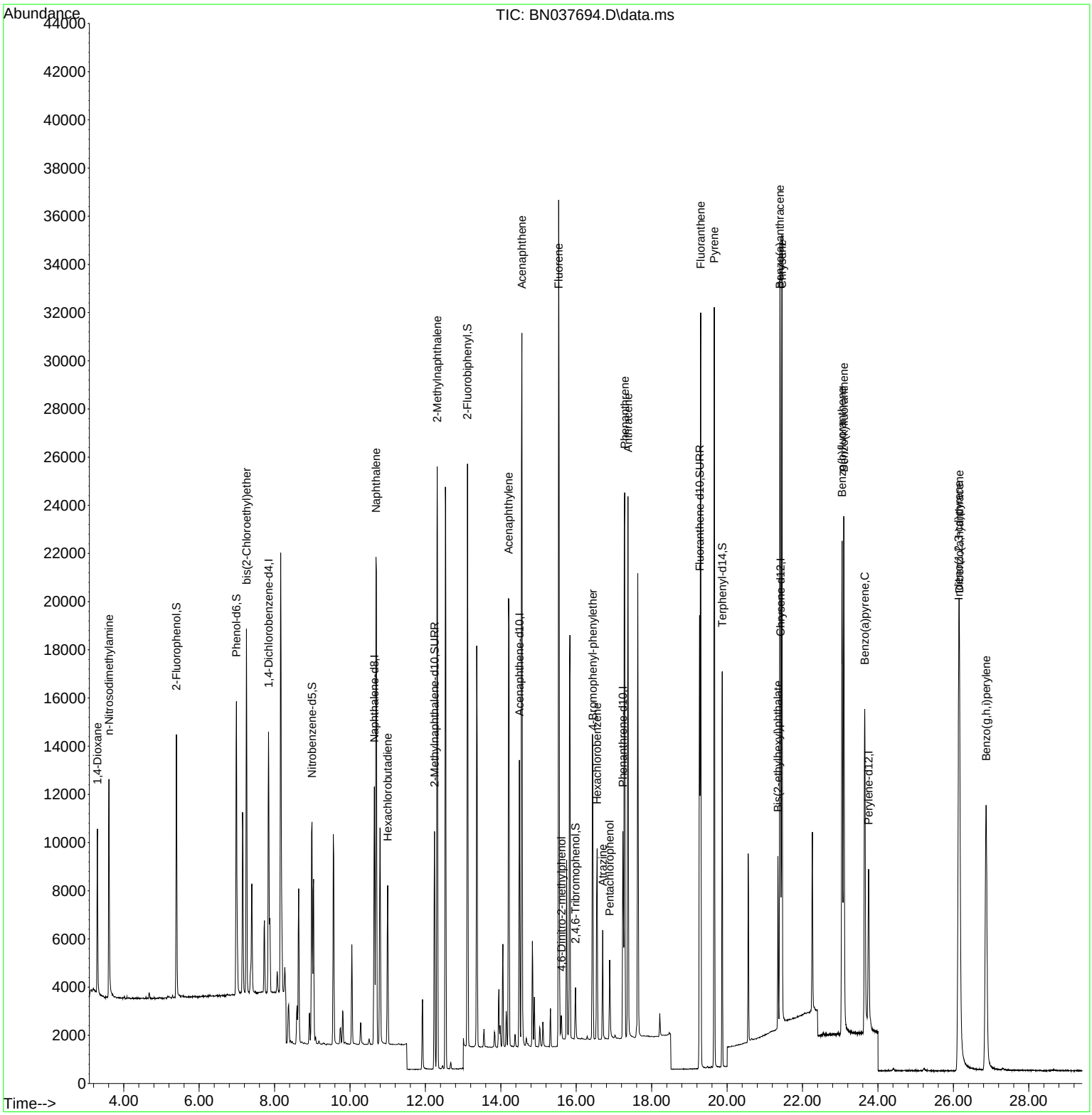
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.840	152	5166	0.400	ng		0.00
7) Naphthalene-d8	10.648	136	13664	0.400	ng		0.00
13) Acenaphthene-d10	14.495	164	6297	0.400	ng		0.00
19) Phenanthrene-d10	17.235	188	11247	0.400	ng		0.00
29) Chrysene-d12	21.420	240	9536	0.400	ng		0.00
35) Perylene-d12	23.753	264	9336	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.399	112	8684	0.732	ng		0.00
5) Phenol-d6	6.988	99	11241	0.731	ng		0.00
8) Nitrobenzene-d5	8.993	82	7438	0.744	ng		0.00
11) 2-Methylnaphthalene-d10	12.243	152	13053	0.721	ng		0.00
14) 2,4,6-Tribromophenol	15.982	330	1211	0.737	ng		0.00
15) 2-Fluorobiphenyl	13.115	172	19971	0.758	ng		0.00
27) Fluoranthene-d10	19.271	212	19870	0.704	ng		0.00
31) Terphenyl-d14	19.870	244	14384	0.743	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.304	88	4244	0.789	ng		98
3) n-Nitrosodimethylamine	3.608	42	5321	0.757	ng	#	93
6) bis(2-Chloroethyl)ether	7.255	93	10526	0.766	ng		99
9) Naphthalene	10.690	128	28311	0.758	ng		100
10) Hexachlorobutadiene	11.000	225	5165	0.764	ng	#	99
12) 2-Methylnaphthalene	12.314	142	17311	0.749	ng		99
16) Acenaphthylene	14.206	152	21746	0.753	ng		99
17) Acenaphthene	14.559	154	14943	0.765	ng		100
18) Fluorene	15.535	166	17870	0.756	ng		97
20) 4,6-Dinitro-2-methylph...	15.609	198	751	0.721	ng	#	66
21) 4-Bromophenyl-phenylether	16.441	248	5576	0.760	ng		99
22) Hexachlorobenzene	16.553	284	6299	0.747	ng		99
23) Atrazine	16.702	200	3288	0.705	ng		98
24) Pentachlorophenol	16.888	266	1652	0.674	ng		97
25) Phenanthrene	17.285	178	26380	0.745	ng		100
26) Anthracene	17.372	178	23177	0.739	ng		100
28) Fluoranthene	19.299	202	28541	0.735	ng		100
30) Pyrene	19.661	202	28089	0.752	ng		100
32) Benzo(a)anthracene	21.402	228	24740	0.744	ng		99
33) Chrysene	21.456	228	26737	0.750	ng		99
34) Bis(2-ethylhexyl)phtha...	21.349	149	6579	0.667	ng		98
36) Indeno(1,2,3-cd)pyrene	26.142	276	28614	0.729	ng		100
37) Benzo(b)fluoranthene	23.049	252	26965	0.733	ng		98
38) Benzo(k)fluoranthene	23.095	252	28034	0.748	ng		98
39) Benzo(a)pyrene	23.651	252	21496	0.730	ng		95
40) Dibenzo(a,h)anthracene	26.162	278	23010	0.735	ng		95
41) Benzo(g,h,i)perylene	26.867	276	25683	0.731	ng		98

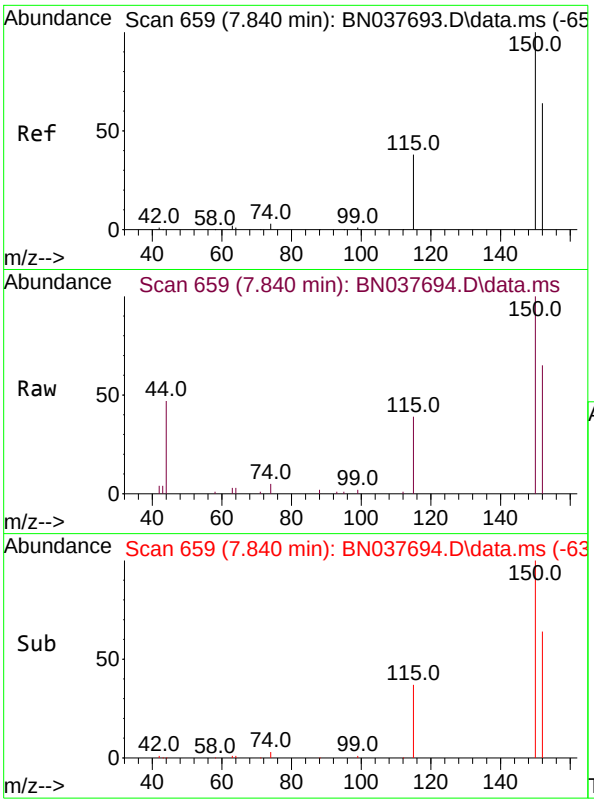
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091125\
Data File : BN037694.D
Acq On : 11 Sep 2025 11:44
Operator : RC/JU
Sample : SSTDICC0.8
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Quant Time: Sep 11 14:06:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:02:44 2025
Response via : Initial Calibration



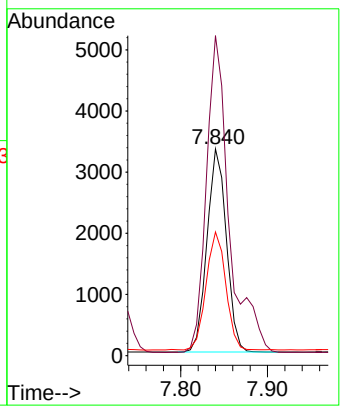


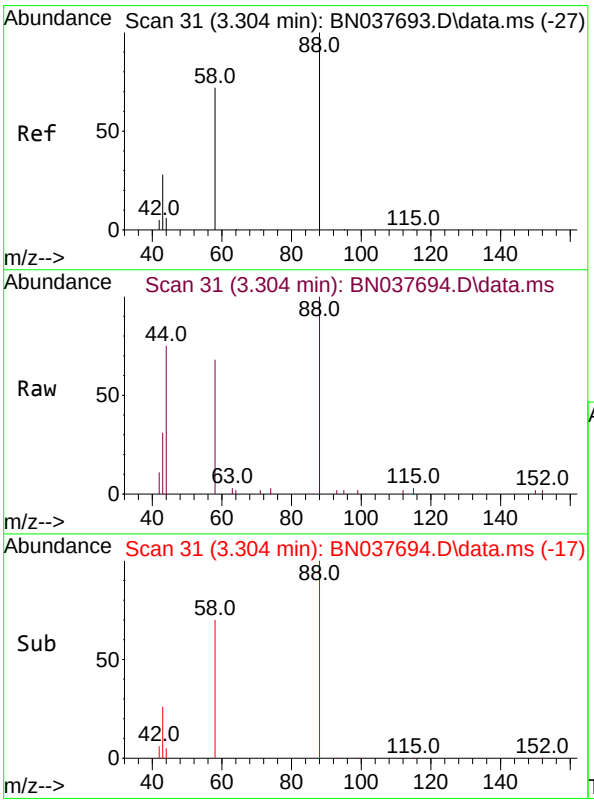
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.840 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN037694.D
Acq: 11 Sep 2025 11:44

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:152 Resp: 5166

Ion	Ratio	Lower	Upper
152	100		
150	154.9	124.5	186.7
115	59.8	49.2	73.8

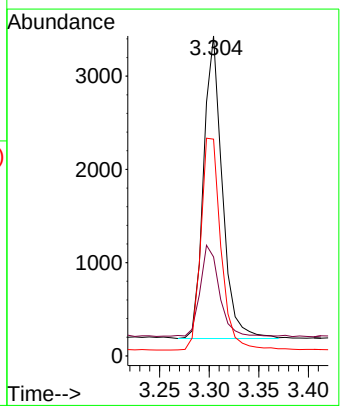


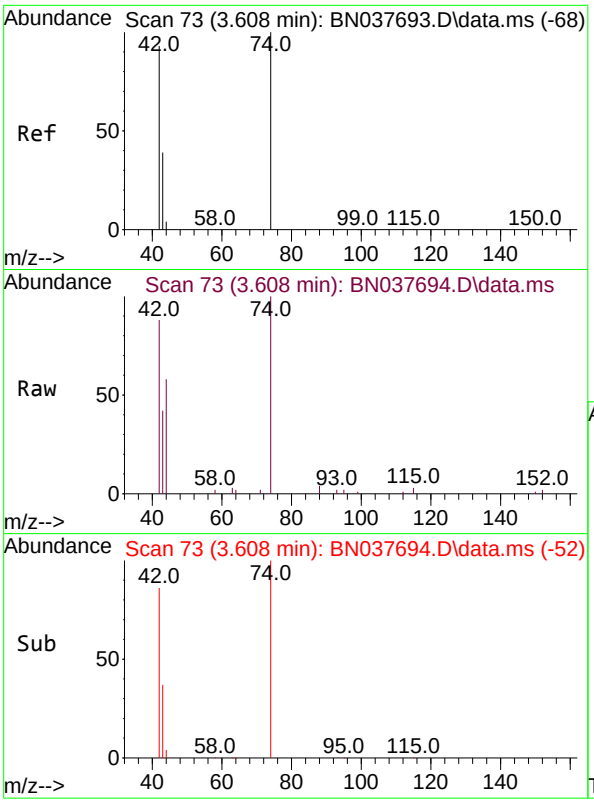


#2
1,4-Dioxane
Concen: 0.789 ng
RT: 3.304 min Scan# 31
Delta R.T. -0.000 min
Lab File: BN037694.D
Acq: 11 Sep 2025 11:44

Tgt Ion: 88 Resp: 4244

Ion	Ratio	Lower	Upper
88	100		
43	31.1	26.8	40.2
58	76.2	61.9	92.9



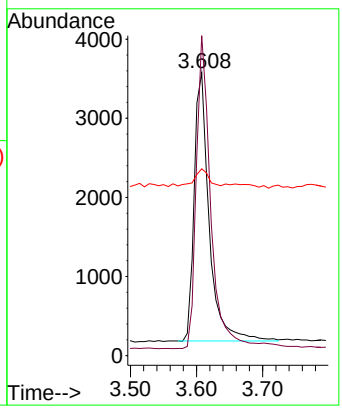


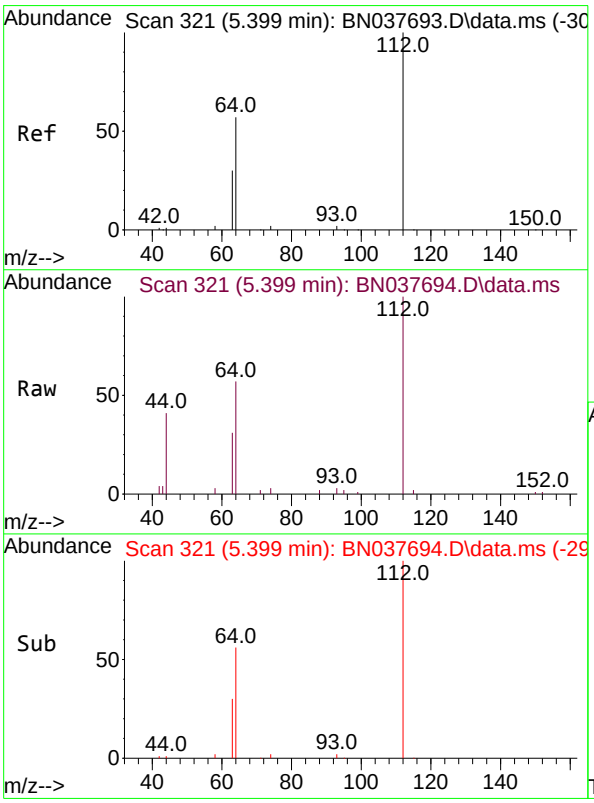
#3
n-Nitrosodimethylamine
Concen: 0.757 ng
RT: 3.608 min Scan# 7
Delta R.T. -0.000 min
Lab File: BN037694.D
Acq: 11 Sep 2025 11:44

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion: 42 Resp: 5321

Ion	Ratio	Lower	Upper
42	100		
74	114.4	86.0	129.0
44	6.9	8.4	12.6#

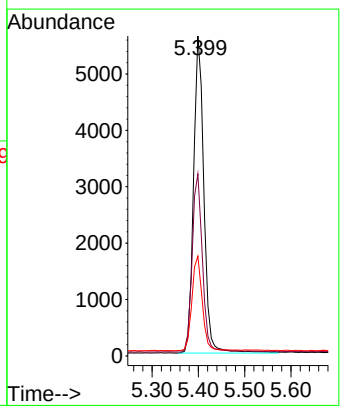


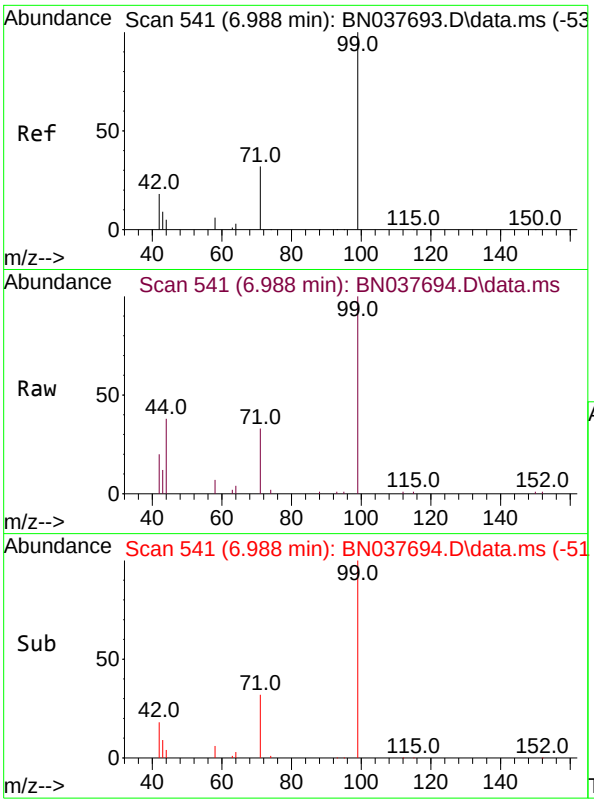


#4
2-Fluorophenol
Concen: 0.732 ng
RT: 5.399 min Scan# 321
Delta R.T. -0.000 min
Lab File: BN037694.D
Acq: 11 Sep 2025 11:44

Tgt Ion:112 Resp: 8684

Ion	Ratio	Lower	Upper
112	100		
64	55.6	44.9	67.3
63	29.8	24.7	37.1



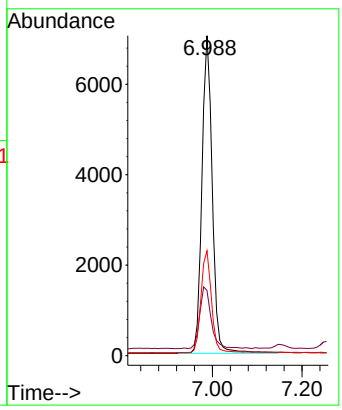


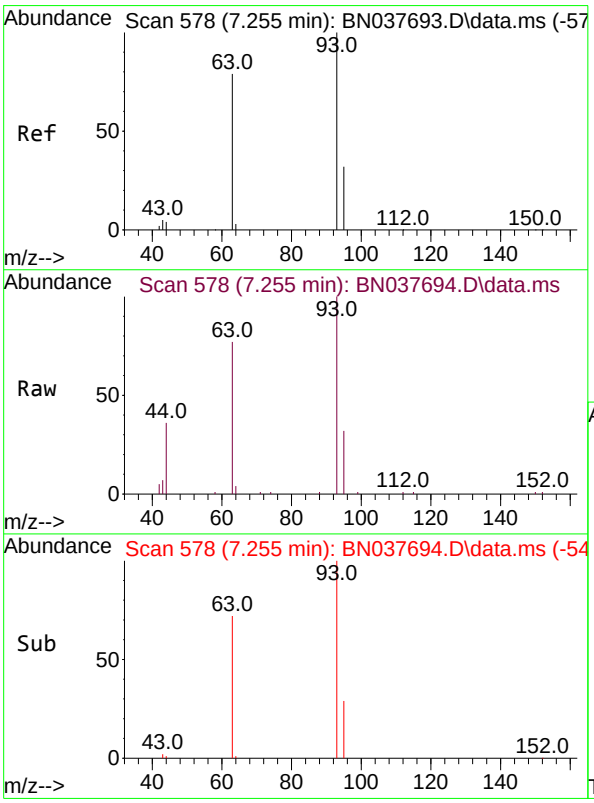
#5
Phenol-d6
Concen: 0.731 ng
RT: 6.988 min Scan# 54
Delta R.T. -0.000 min
Lab File: BN037694.D
Acq: 11 Sep 2025 11:44

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion: 99 Resp: 11241

Ion	Ratio	Lower	Upper
99	100		
42	21.6	16.6	24.8
71	32.6	26.7	40.1

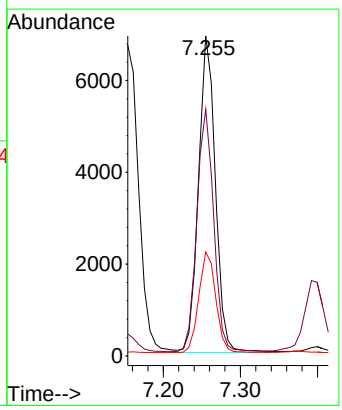


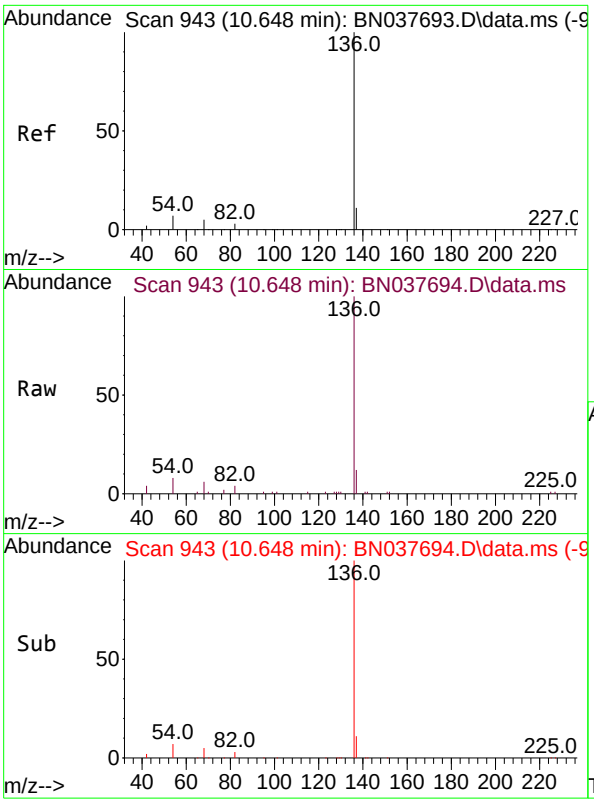


#6
bis(2-Chloroethyl)ether
Concen: 0.766 ng
RT: 7.255 min Scan# 578
Delta R.T. -0.000 min
Lab File: BN037694.D
Acq: 11 Sep 2025 11:44

Tgt Ion: 93 Resp: 10526

Ion	Ratio	Lower	Upper
93	100		
63	76.1	60.6	90.8
95	32.1	26.0	39.0



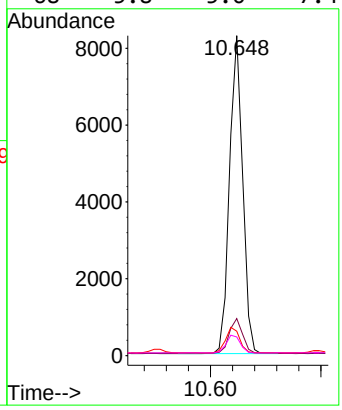


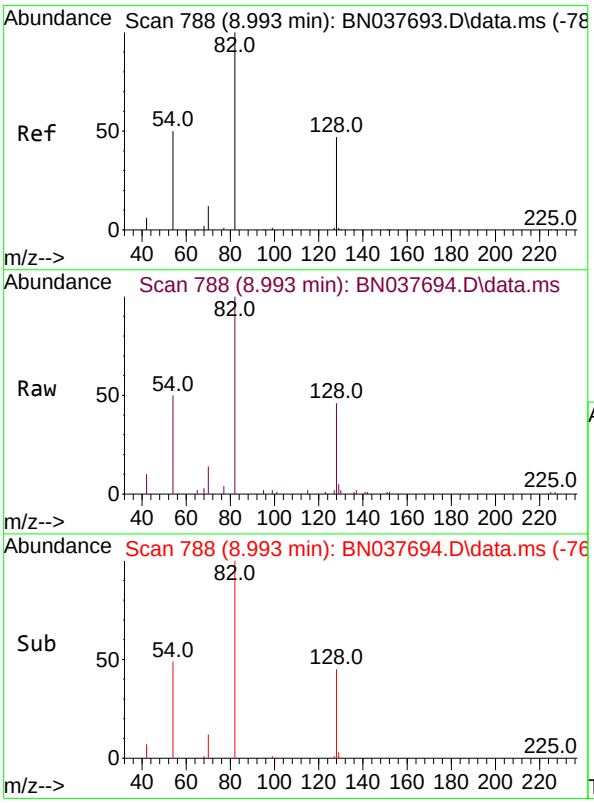
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.648 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN037694.D
Acq: 11 Sep 2025 11:44

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:136 Resp: 13664

Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.1	13.7
54	7.6	6.3	9.5
68	5.8	5.0	7.4

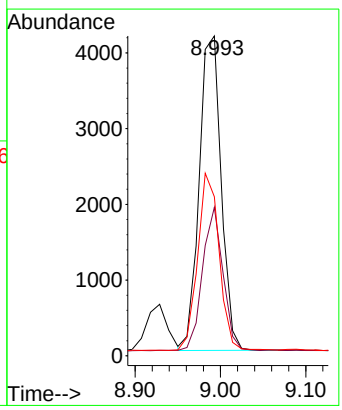


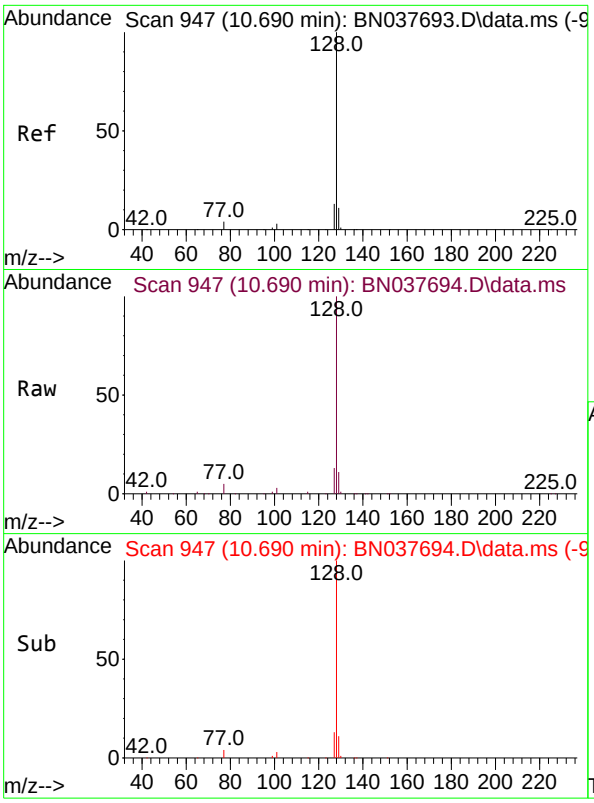


#8
Nitrobenzene-d5
Concen: 0.744 ng
RT: 8.993 min Scan# 788
Delta R.T. -0.000 min
Lab File: BN037694.D
Acq: 11 Sep 2025 11:44

Tgt Ion: 82 Resp: 7438

Ion	Ratio	Lower	Upper
82	100		
128	46.4	38.3	57.5
54	49.7	41.4	62.2



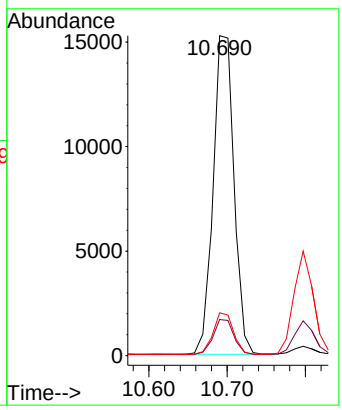


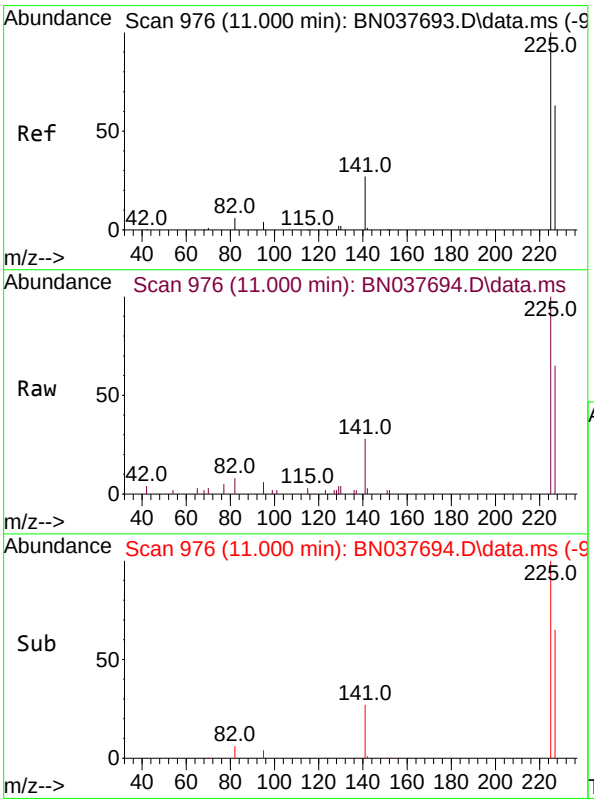
#9
Naphthalene
Concen: 0.758 ng
RT: 10.690 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN037694.D
Acq: 11 Sep 2025 11:44

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:128 Resp: 28311

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.1	13.7
127	13.4	10.9	16.3

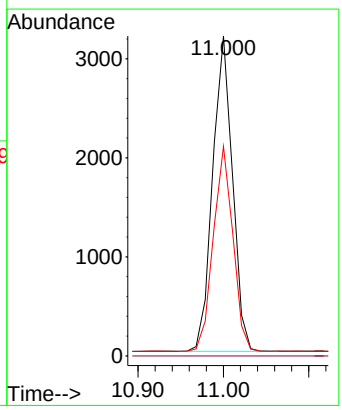


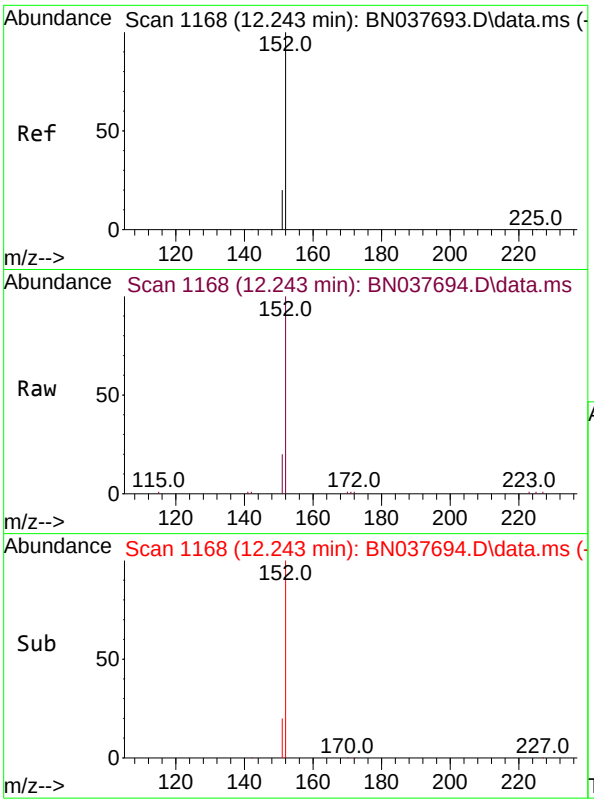


#10
Hexachlorobutadiene
Concen: 0.764 ng
RT: 11.000 min Scan# 976
Delta R.T. -0.000 min
Lab File: BN037694.D
Acq: 11 Sep 2025 11:44

Tgt Ion:225 Resp: 5165

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.3	50.9	76.3



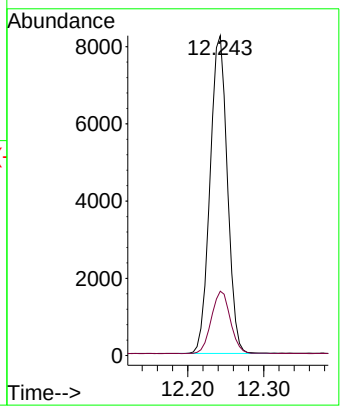


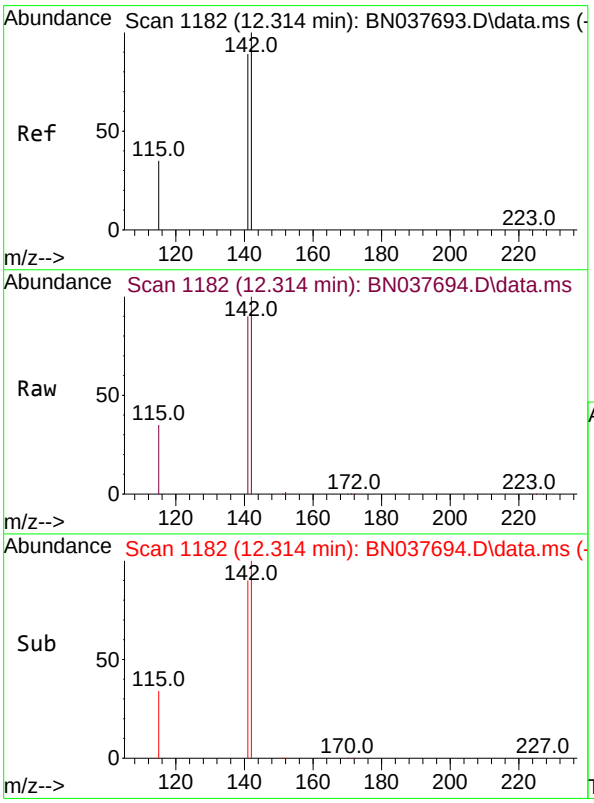
#11
2-Methylnaphthalene-d10
Concen: 0.721 ng
RT: 12.243 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN037694.D
Acq: 11 Sep 2025 11:44

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:152 Resp: 13053

Ion	Ratio	Lower	Upper
152	100		
151	21.5	17.0	25.6

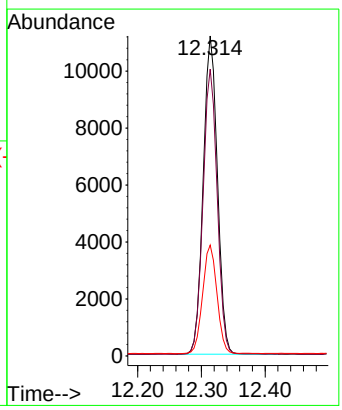


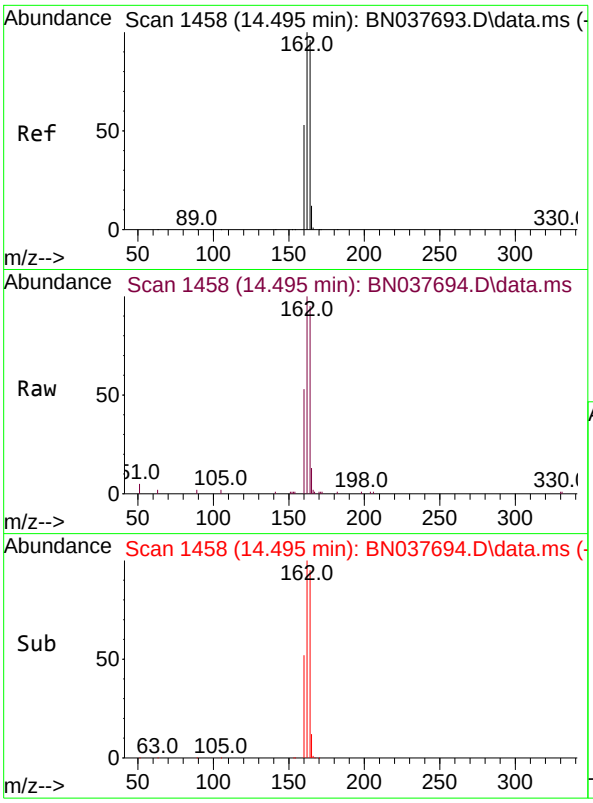


#12
2-Methylnaphthalene
Concen: 0.749 ng
RT: 12.314 min Scan# 1182
Delta R.T. -0.000 min
Lab File: BN037694.D
Acq: 11 Sep 2025 11:44

Tgt Ion:142 Resp: 17311

Ion	Ratio	Lower	Upper
142	100		
141	89.6	71.6	107.4
115	34.6	28.6	43.0



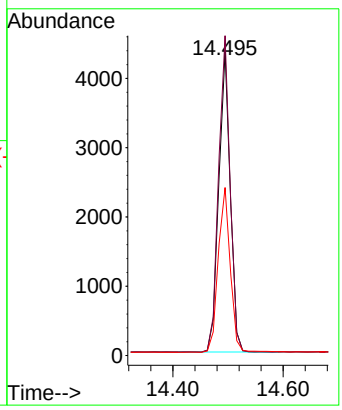


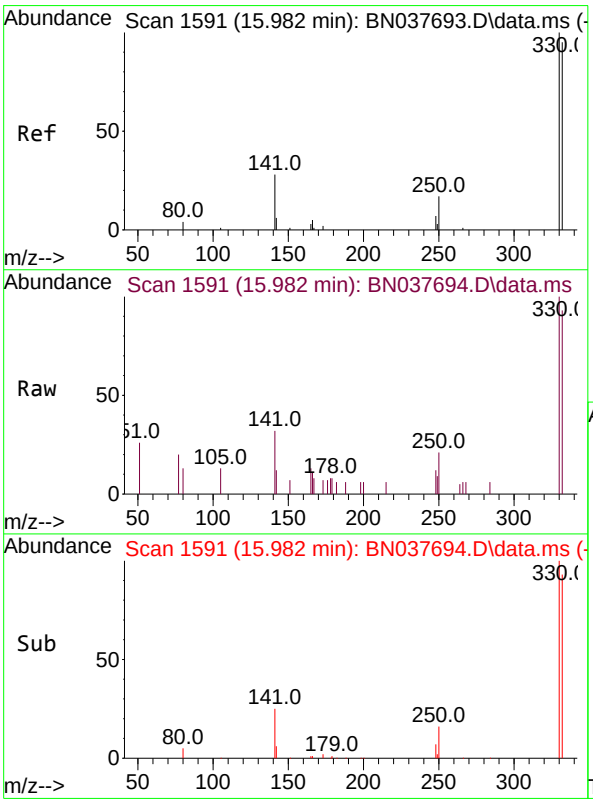
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.495 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN037694.D
Acq: 11 Sep 2025 11:44

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:164 Resp: 6297

Ion	Ratio	Lower	Upper
164	100		
162	105.3	83.1	124.7
160	55.3	44.3	66.5

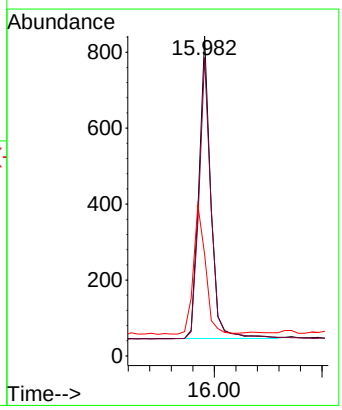


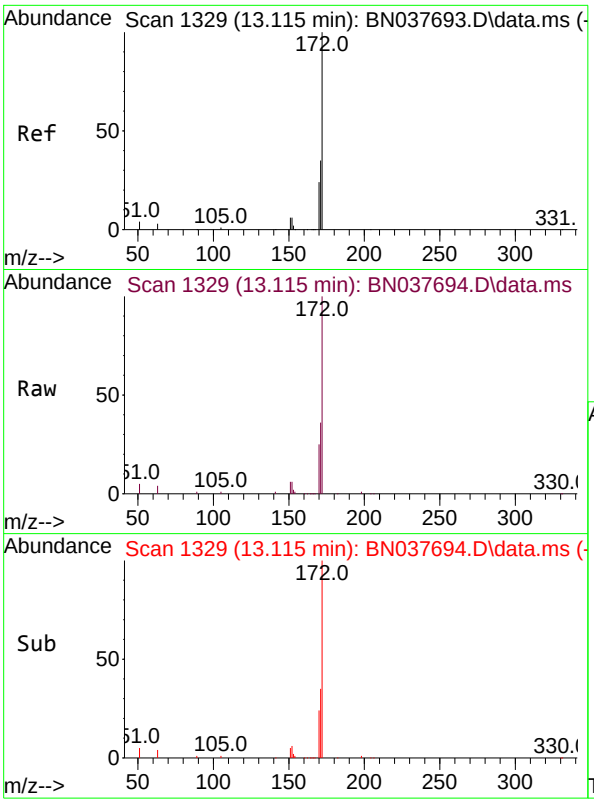


#14
2,4,6-Tribromophenol
Concen: 0.737 ng
RT: 15.982 min Scan# 1591
Delta R.T. -0.000 min
Lab File: BN037694.D
Acq: 11 Sep 2025 11:44

Tgt Ion:330 Resp: 1211

Ion	Ratio	Lower	Upper
330	100		
332	95.7	75.3	112.9
141	43.4	35.0	52.4



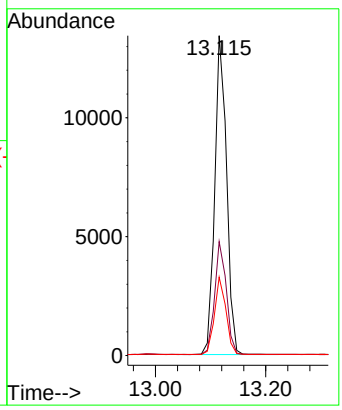


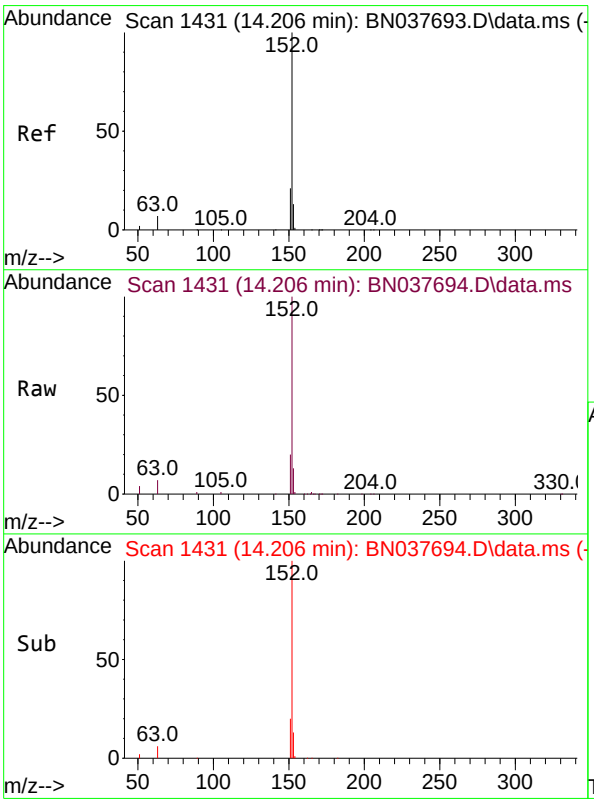
#15
2-Fluorobiphenyl
Concen: 0.758 ng
RT: 13.115 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037694.D
Acq: 11 Sep 2025 11:44

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:172 Resp: 19971

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.6	43.0
170	24.5	19.8	29.8

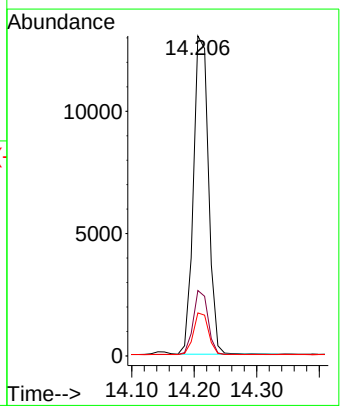


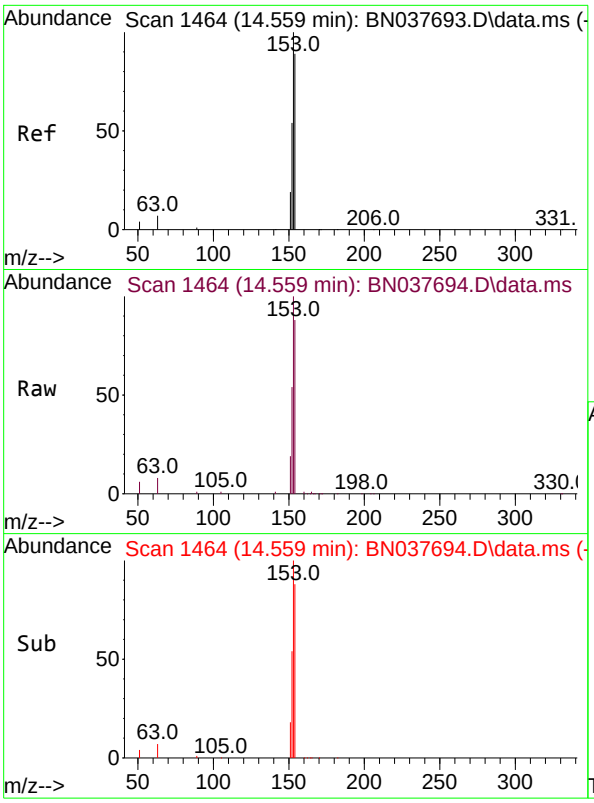


#16
Acenaphthylene
Concen: 0.753 ng
RT: 14.206 min Scan# 1431
Delta R.T. -0.000 min
Lab File: BN037694.D
Acq: 11 Sep 2025 11:44

Tgt Ion:152 Resp: 21746

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.2	24.2
153	13.1	10.4	15.6



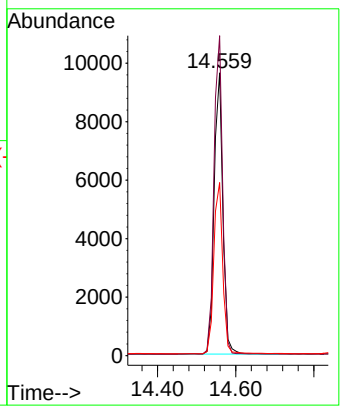


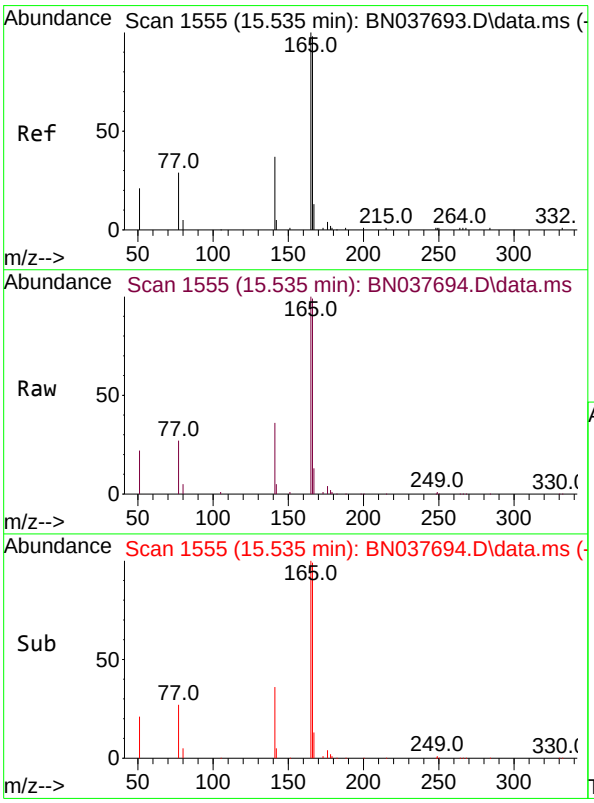
#17
Acenaphthene
Concen: 0.765 ng
RT: 14.559 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN037694.D
Acq: 11 Sep 2025 11:44

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:154 Resp: 14943

Ion	Ratio	Lower	Upper
154	100		
153	112.2	89.8	134.8
152	62.5	50.2	75.2

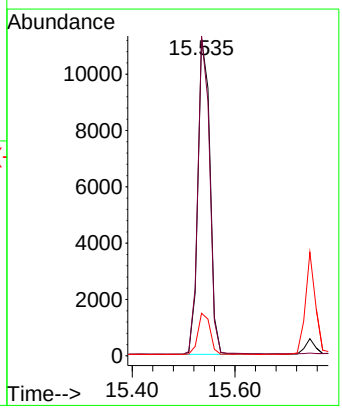


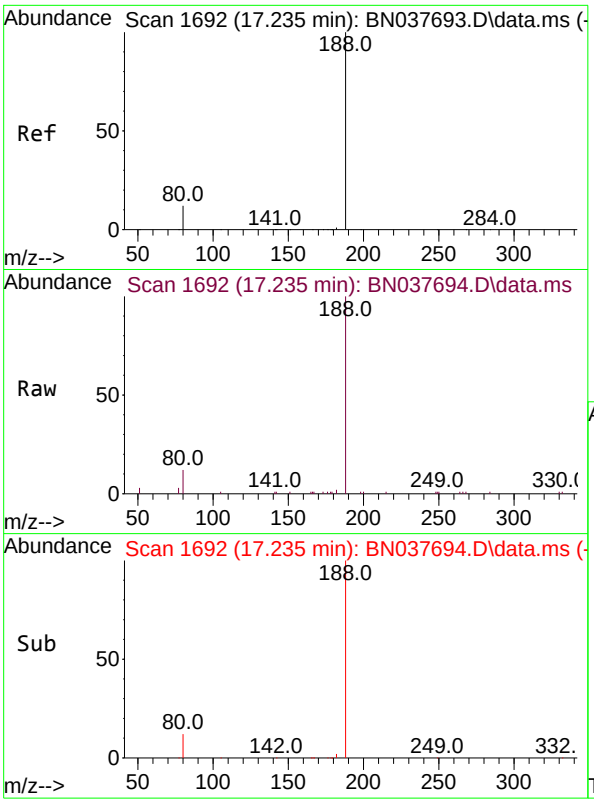


#18
Fluorene
Concen: 0.756 ng
RT: 15.535 min Scan# 1555
Delta R.T. -0.000 min
Lab File: BN037694.D
Acq: 11 Sep 2025 11:44

Tgt Ion:166 Resp: 17870

Ion	Ratio	Lower	Upper
166	100		
165	96.2	79.6	119.4
167	13.0	10.6	16.0



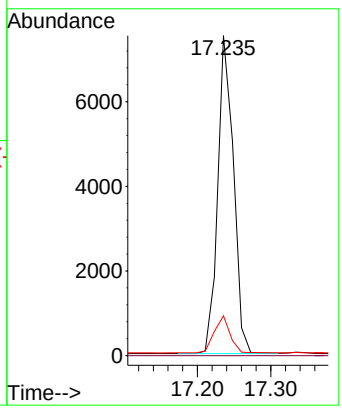


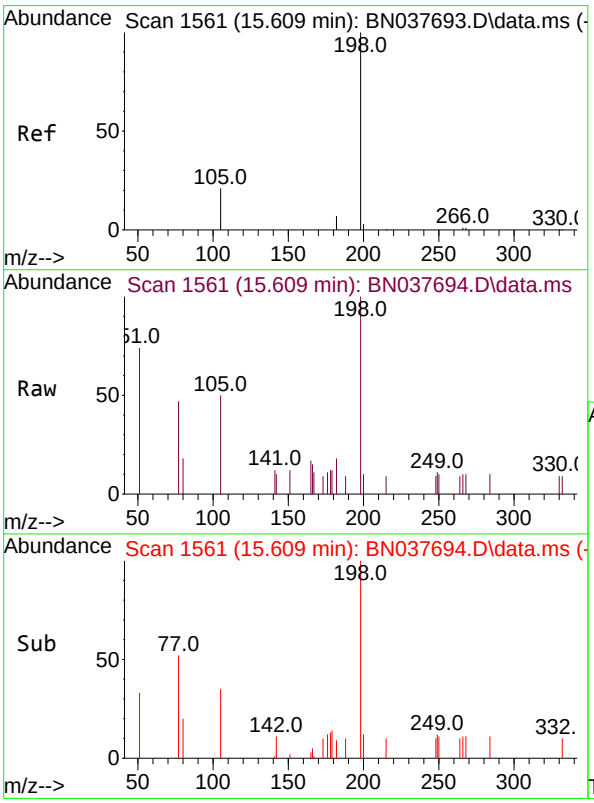
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.235 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037694.D
Acq: 11 Sep 2025 11:44

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:188 Resp: 11247

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	12.4	10.6	15.8

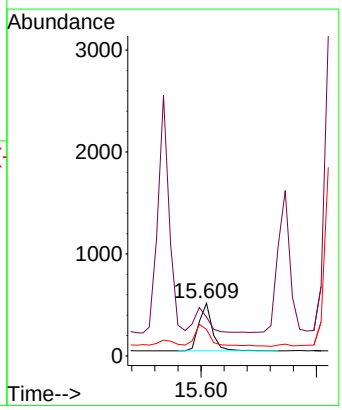


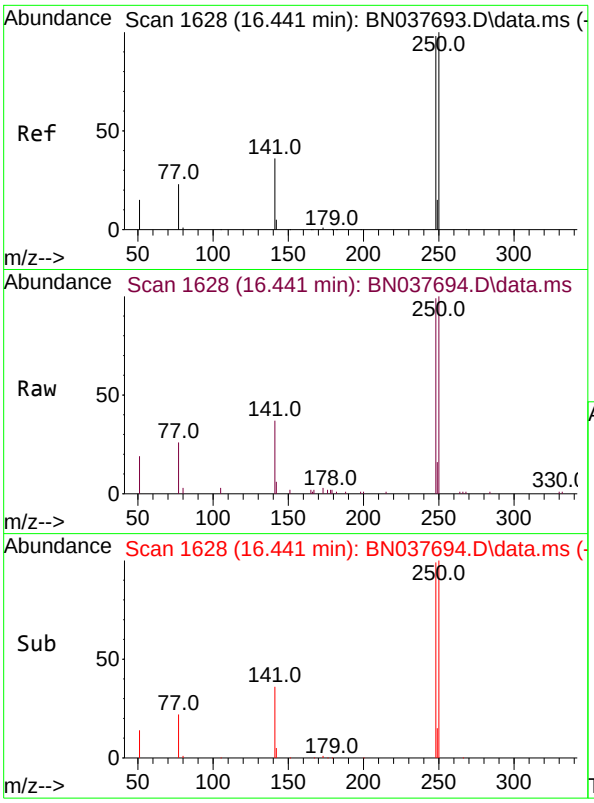


#20
4,6-Dinitro-2-methylphenol
Concen: 0.721 ng
RT: 15.609 min Scan# 1561
Delta R.T. 0.000 min
Lab File: BN037694.D
Acq: 11 Sep 2025 11:44

Tgt Ion:198 Resp: 751

Ion	Ratio	Lower	Upper
198	100		
51	73.7	95.1	142.7#
105	50.3	53.8	80.6#



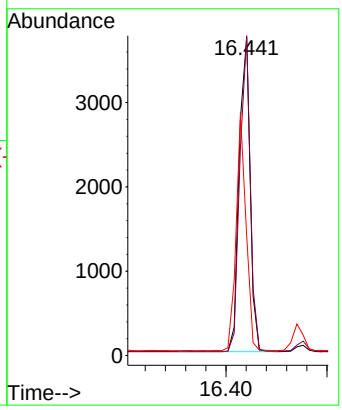


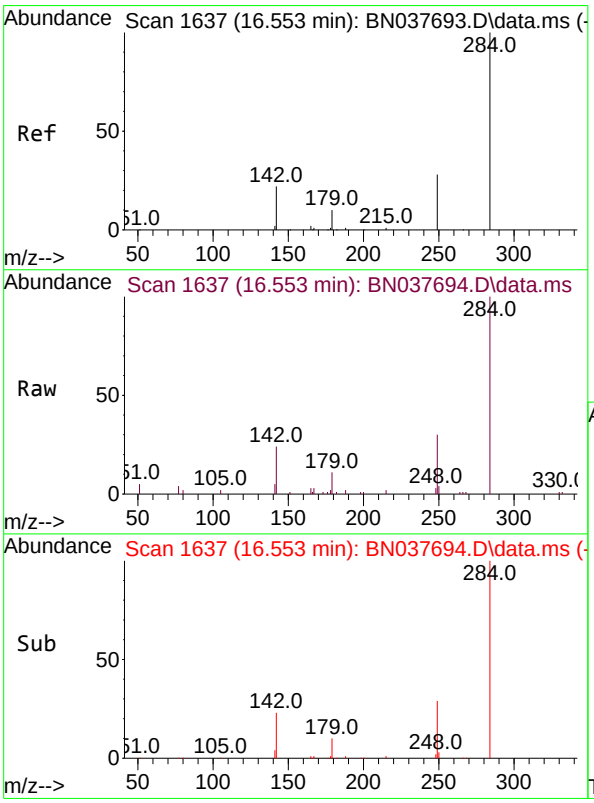
#21
4-Bromophenyl-phenylether
Concen: 0.760 ng
RT: 16.441 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037694.D
Acq: 11 Sep 2025 11:44

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:248 Resp: 5576

Ion	Ratio	Lower	Upper
248	100		
250	100.6	81.5	122.3
141	37.7	30.8	46.2

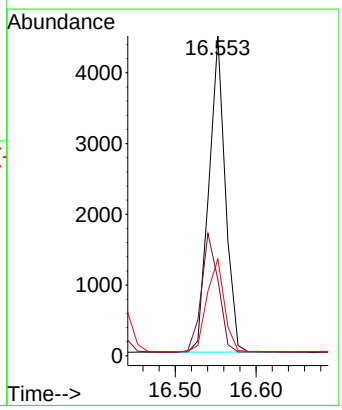


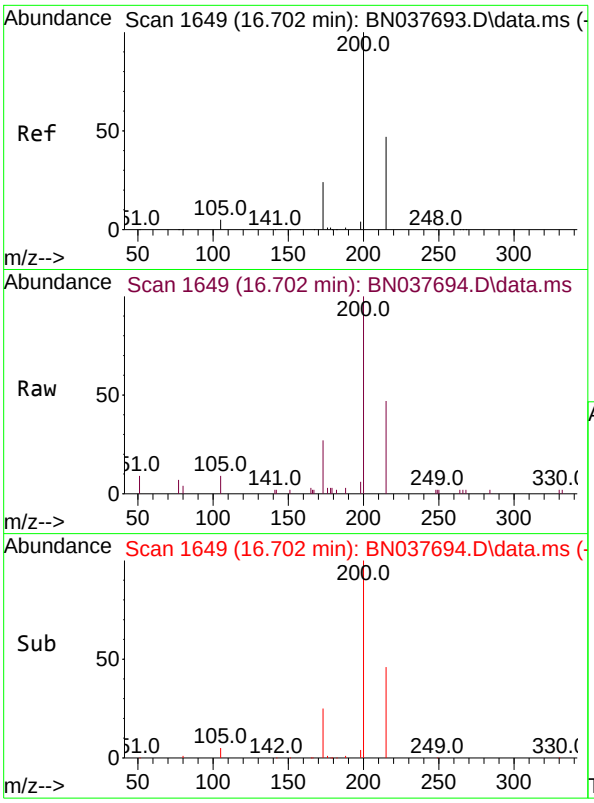


#22
Hexachlorobenzene
Concen: 0.747 ng
RT: 16.553 min Scan# 1637
Delta R.T. -0.000 min
Lab File: BN037694.D
Acq: 11 Sep 2025 11:44

Tgt Ion:284 Resp: 6299

Ion	Ratio	Lower	Upper
284	100		
142	39.1	30.9	46.3
249	31.2	24.8	37.2



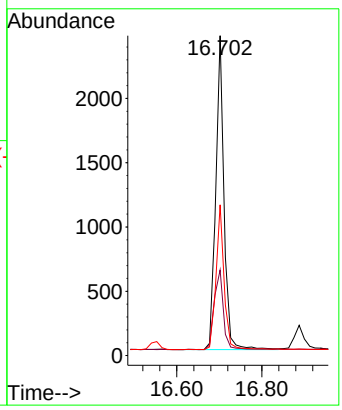


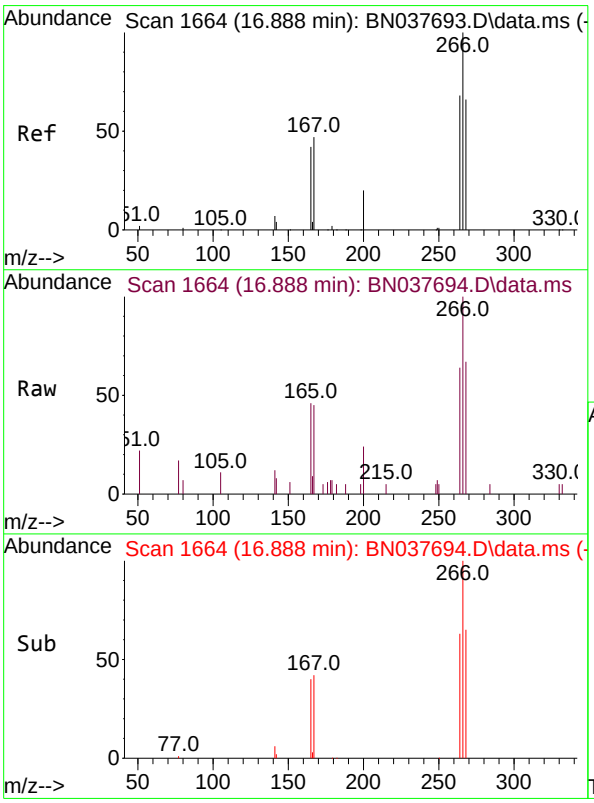
#23
Atrazine
Concen: 0.705 ng
RT: 16.702 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037694.D
Acq: 11 Sep 2025 11:44

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:200 Resp: 3288

Ion	Ratio	Lower	Upper
200	100		
173	26.8	21.4	32.2
215	47.1	39.2	58.8

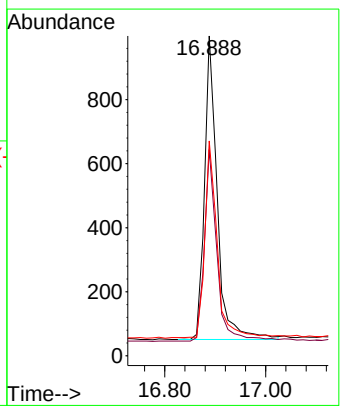


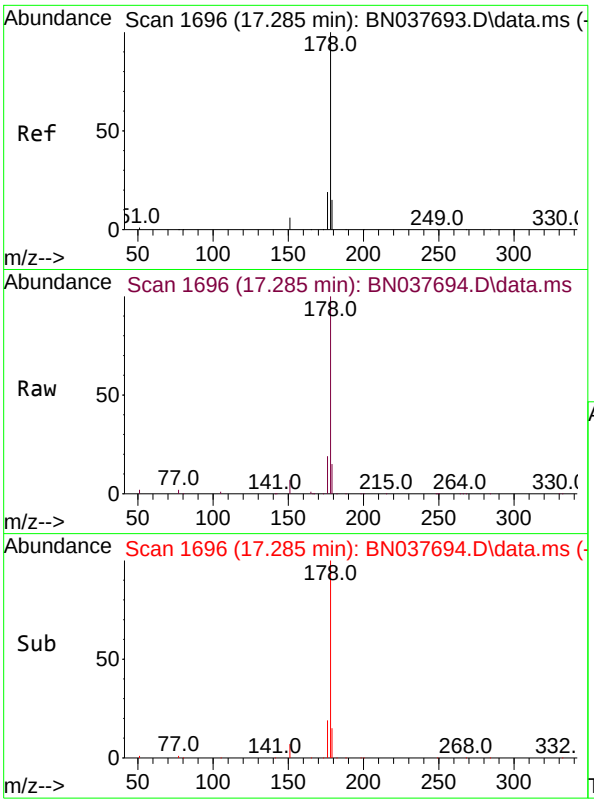


#24
Pentachlorophenol
Concen: 0.674 ng
RT: 16.888 min Scan# 1664
Delta R.T. -0.000 min
Lab File: BN037694.D
Acq: 11 Sep 2025 11:44

Tgt Ion:266 Resp: 1652

Ion	Ratio	Lower	Upper
266	100		
264	61.9	51.6	77.4
268	64.7	53.2	79.8



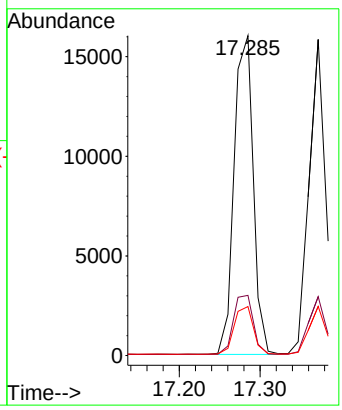


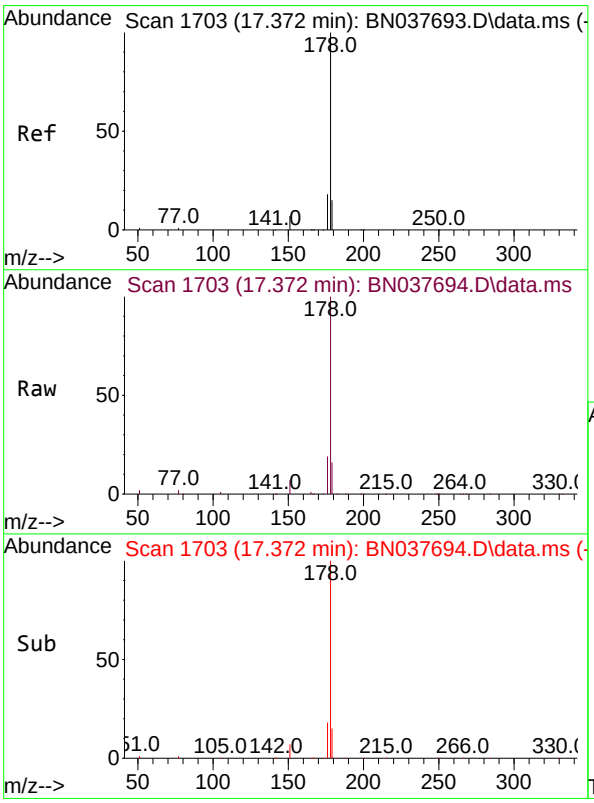
#25
Phenanthrene
Concen: 0.745 ng
RT: 17.285 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037694.D
Acq: 11 Sep 2025 11:44

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:178 Resp: 26380

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	15.1	12.2	18.2

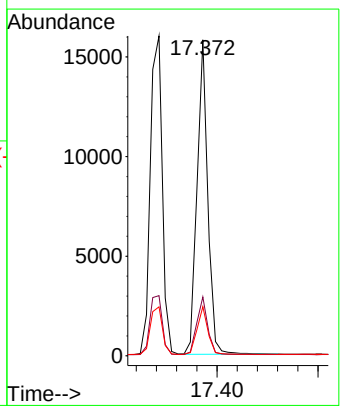


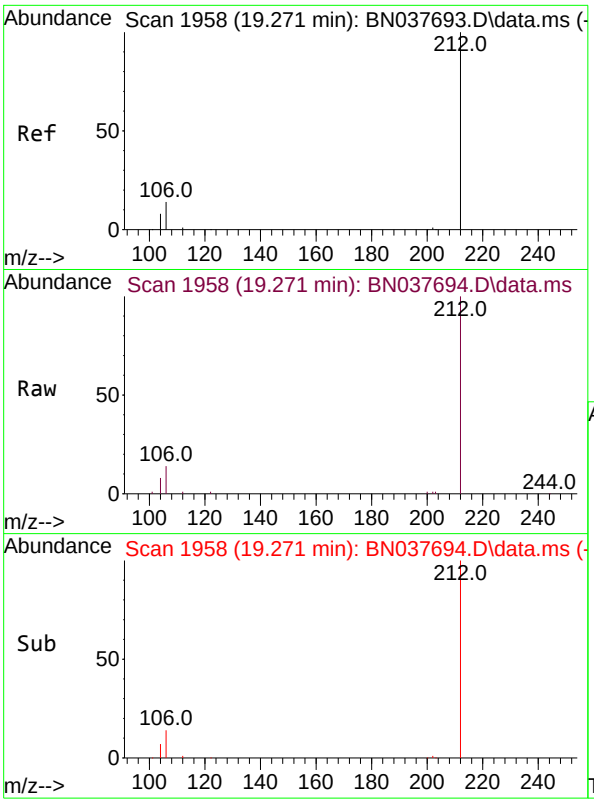


#26
Anthracene
Concen: 0.739 ng
RT: 17.372 min Scan# 1703
Delta R.T. -0.000 min
Lab File: BN037694.D
Acq: 11 Sep 2025 11:44

Tgt Ion:178 Resp: 23177

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.6	22.0
179	15.2	12.2	18.4



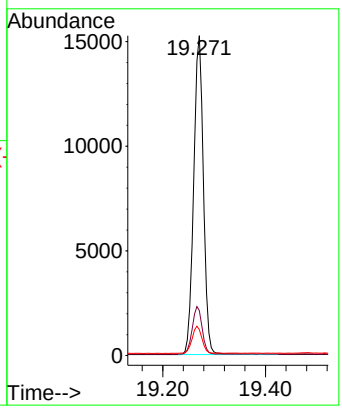


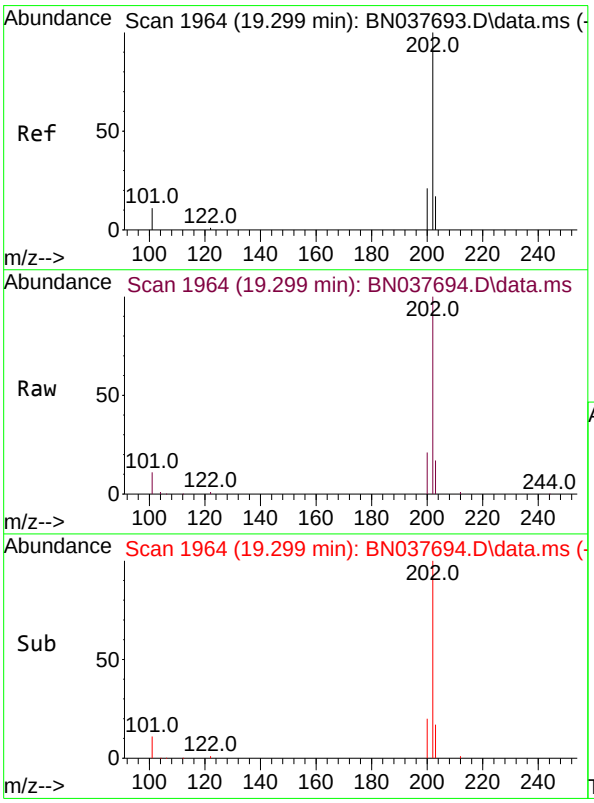
#27
Fluoranthene-d10
Concen: 0.704 ng
RT: 19.271 min Scan# 19
Delta R.T. -0.000 min
Lab File: BN037694.D
Acq: 11 Sep 2025 11:44

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:212 Resp: 19870

Ion	Ratio	Lower	Upper
212	100		
106	15.2	12.2	18.2
104	8.8	6.9	10.3

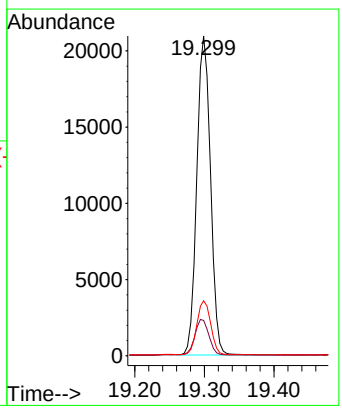


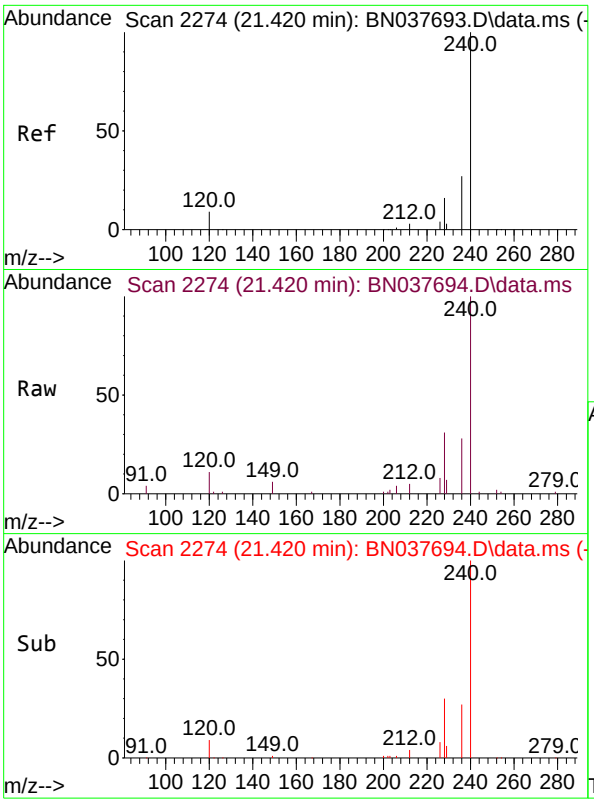


#28
Fluoranthene
Concen: 0.735 ng
RT: 19.299 min Scan# 1964
Delta R.T. -0.000 min
Lab File: BN037694.D
Acq: 11 Sep 2025 11:44

Tgt Ion:202 Resp: 28541

Ion	Ratio	Lower	Upper
202	100		
101	11.5	9.3	13.9
203	17.1	13.7	20.5



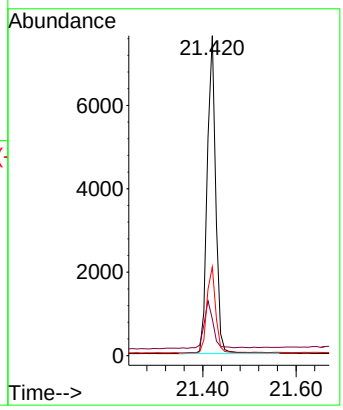


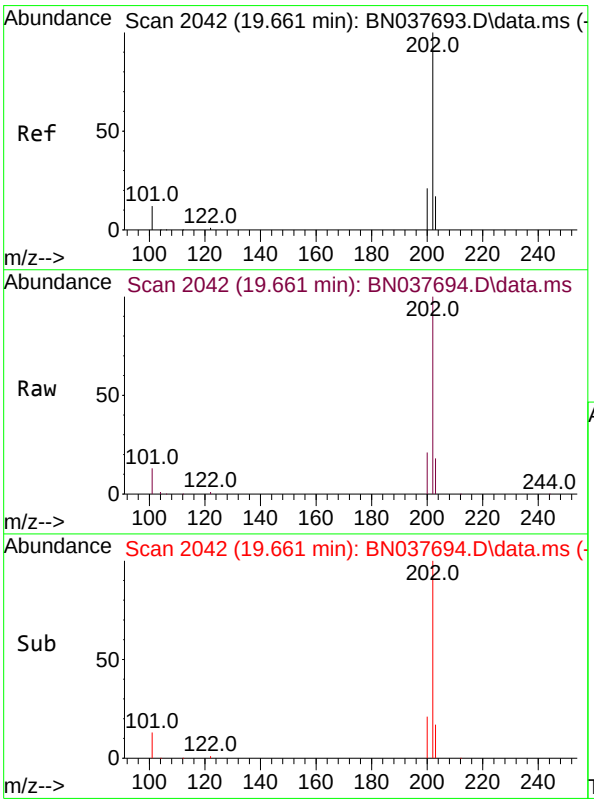
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.420 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN037694.D
Acq: 11 Sep 2025 11:44

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:240 Resp: 9536

Ion	Ratio	Lower	Upper
240	100		
120	11.4	9.2	13.8
236	27.7	22.6	33.8

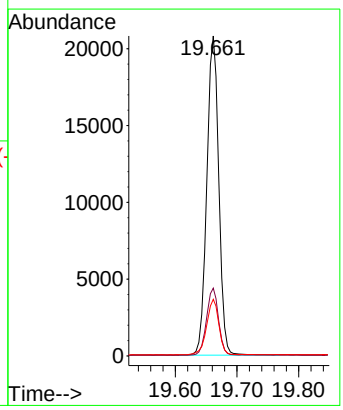


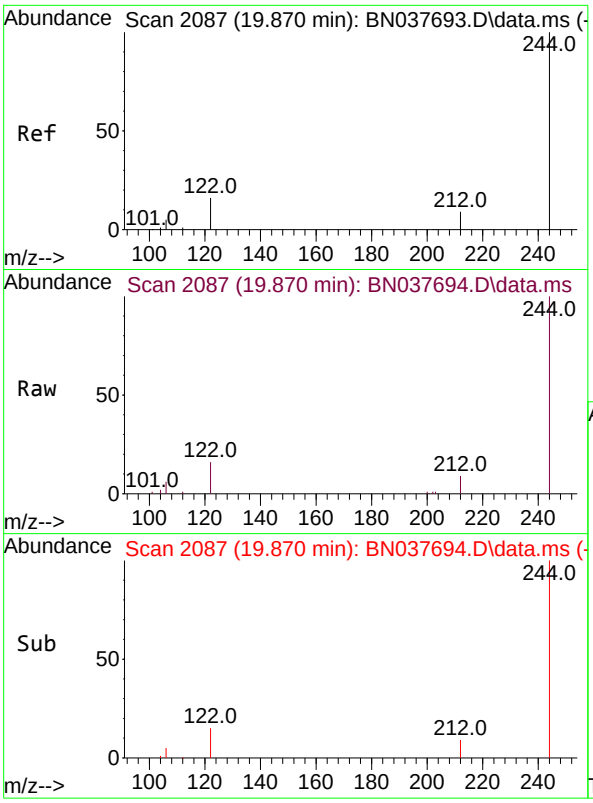


#30
Pyrene
Concen: 0.752 ng
RT: 19.661 min Scan# 2042
Delta R.T. -0.000 min
Lab File: BN037694.D
Acq: 11 Sep 2025 11:44

Tgt Ion:202 Resp: 28089

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.8	25.2
203	17.8	14.3	21.5



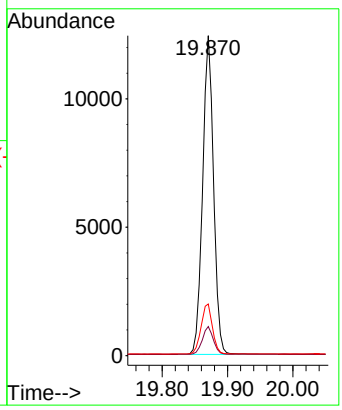


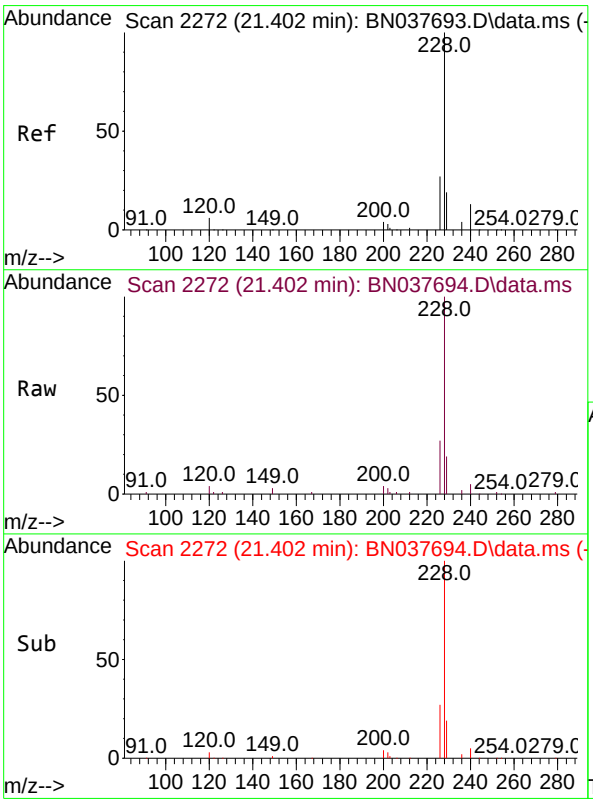
#31
Terphenyl-d14
Concen: 0.743 ng
RT: 19.870 min Scan# 20
Delta R.T. -0.000 min
Lab File: BN037694.D
Acq: 11 Sep 2025 11:44

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:244 Resp: 14384

Ion	Ratio	Lower	Upper
244	100		
212	9.1	7.5	11.3
122	16.1	13.2	19.8

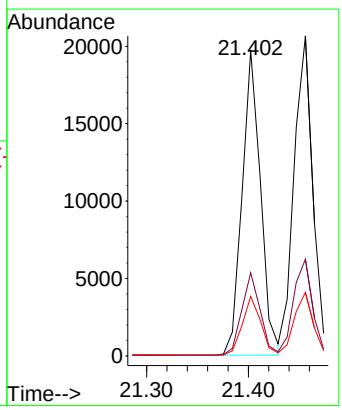


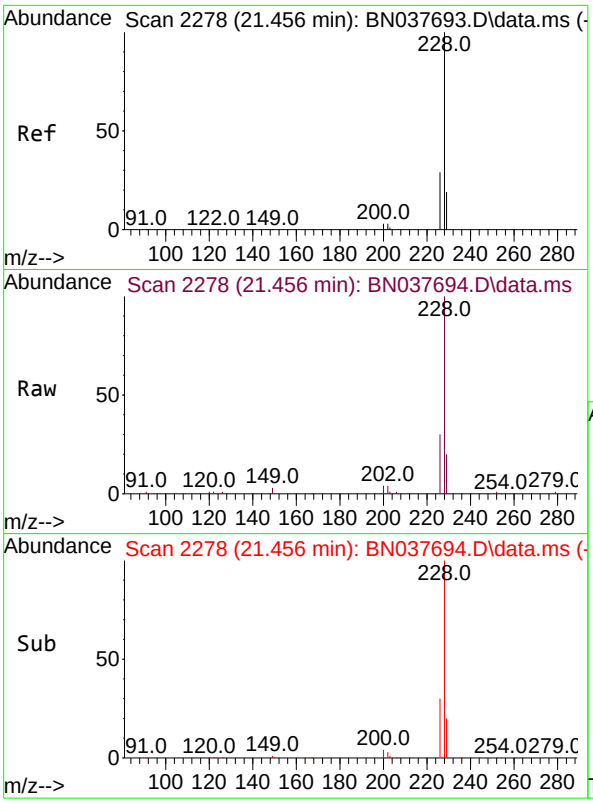


#32
Benzo(a)anthracene
Concen: 0.744 ng
RT: 21.402 min Scan# 2272
Delta R.T. -0.000 min
Lab File: BN037694.D
Acq: 11 Sep 2025 11:44

Tgt Ion:228 Resp: 24740

Ion	Ratio	Lower	Upper
228	100		
226	27.2	22.2	33.2
229	19.5	15.8	23.6



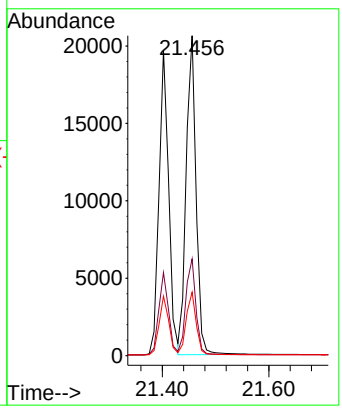


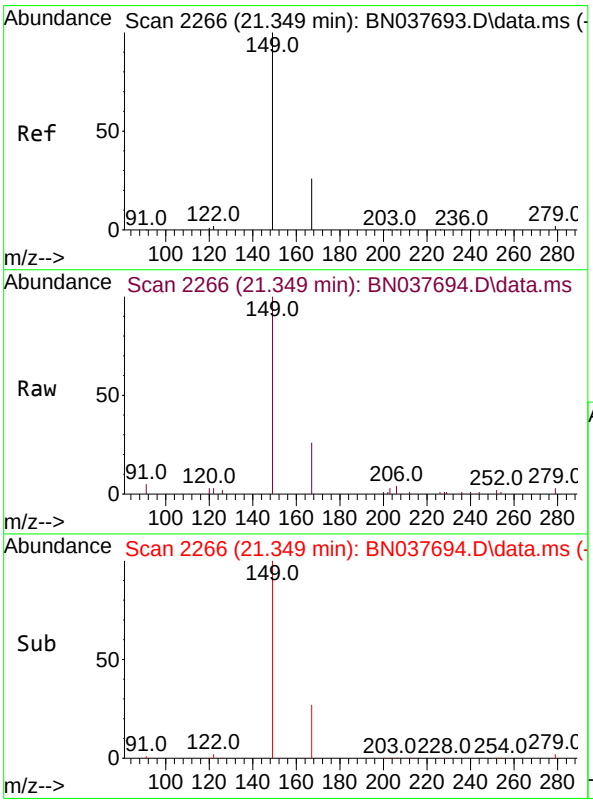
#33
Chrysene
Concen: 0.750 ng
RT: 21.456 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037694.D
Acq: 11 Sep 2025 11:44

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:228 Resp: 26737

Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.5	35.3
229	19.8	15.9	23.9

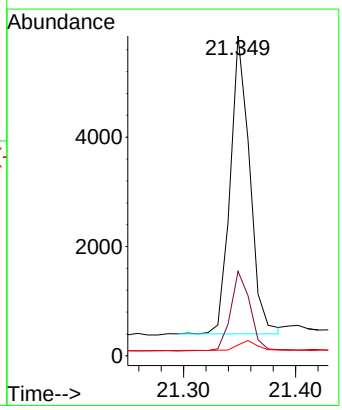


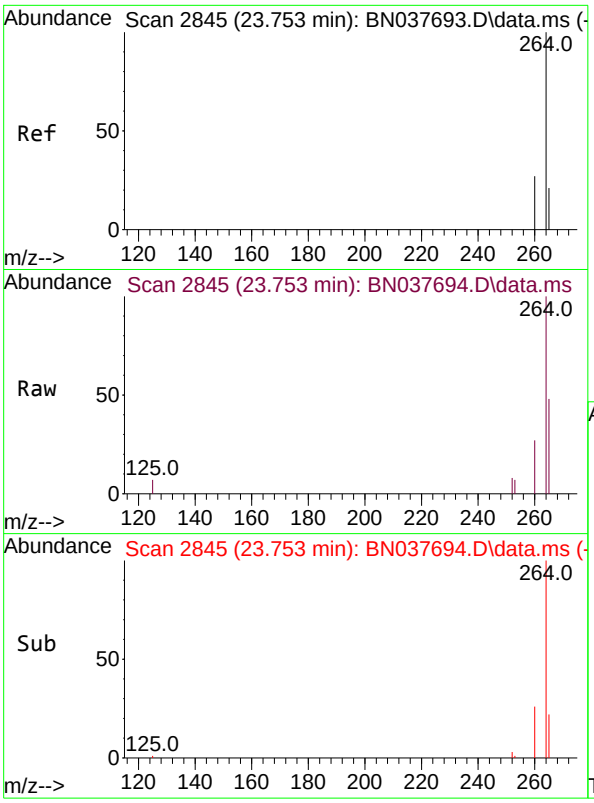


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.667 ng
RT: 21.349 min Scan# 2266
Delta R.T. -0.000 min
Lab File: BN037694.D
Acq: 11 Sep 2025 11:44

Tgt Ion:149 Resp: 6579

Ion	Ratio	Lower	Upper
149	100		
167	27.1	20.8	31.2
279	3.3	3.3	4.9



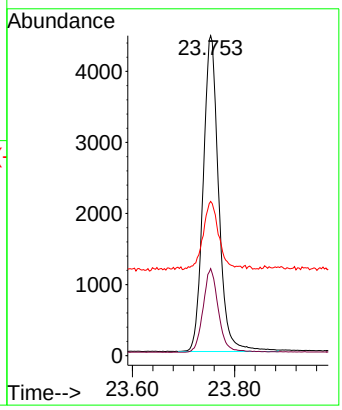


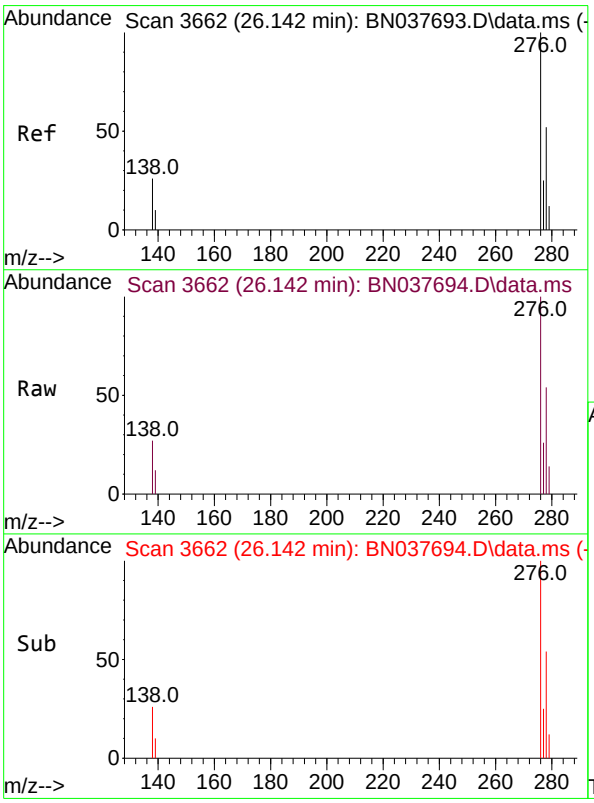
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.753 min Scan# 28
Delta R.T. -0.000 min
Lab File: BN037694.D
Acq: 11 Sep 2025 11:44

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:264 Resp: 9336

Ion	Ratio	Lower	Upper
264	100		
260	27.2	21.8	32.8
265	48.2	39.4	59.2

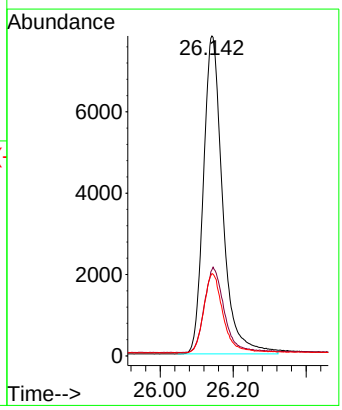


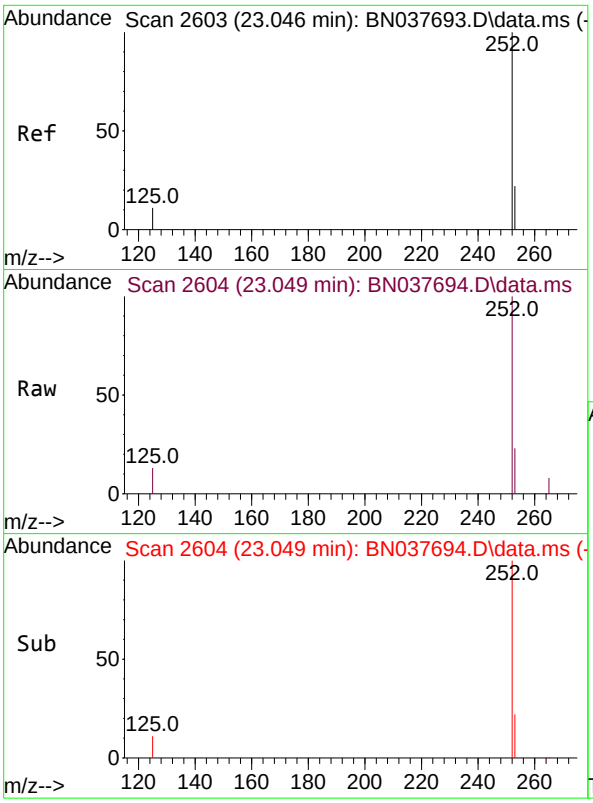


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.729 ng
RT: 26.142 min Scan# 3662
Delta R.T. -0.000 min
Lab File: BN037694.D
Acq: 11 Sep 2025 11:44

Tgt Ion:276 Resp: 28614

Ion	Ratio	Lower	Upper
276	100		
138	27.5	21.9	32.9
277	25.0	20.1	30.1



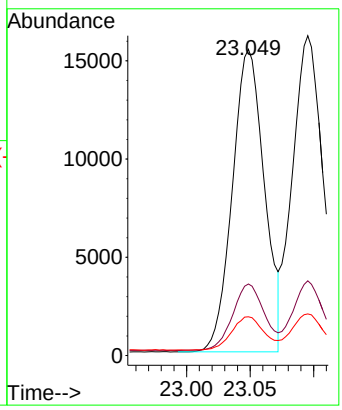


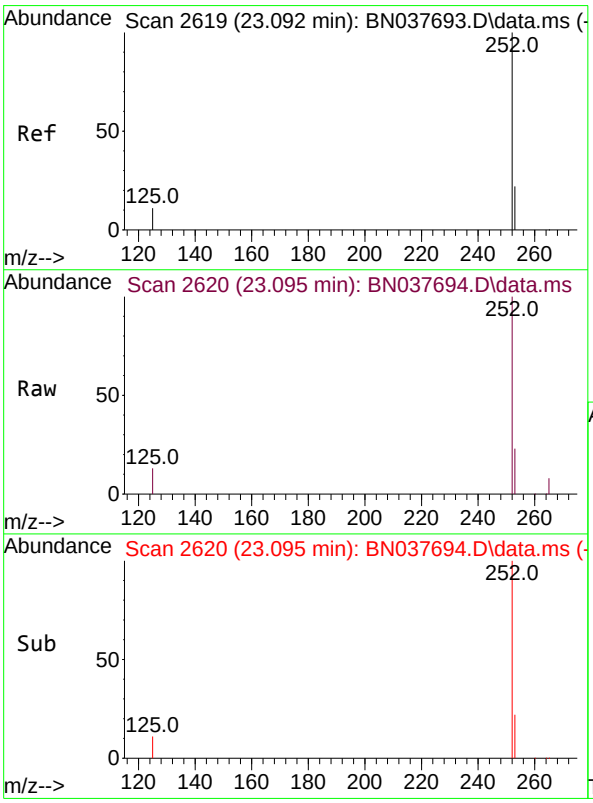
#37
Benzo(b)fluoranthene
Concen: 0.733 ng
RT: 23.049 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN037694.D
Acq: 11 Sep 2025 11:44

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:252 Resp: 26965

Ion	Ratio	Lower	Upper
252	100		
253	23.4	19.4	29.2
125	12.7	11.2	16.8

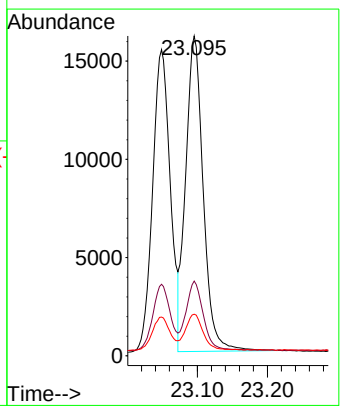


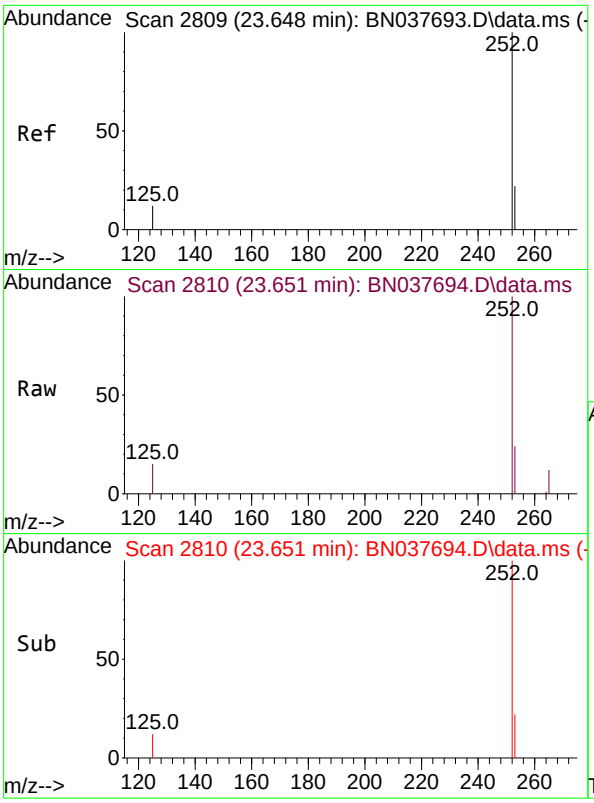


#38
Benzo(k)fluoranthene
Concen: 0.748 ng
RT: 23.095 min Scan# 2620
Delta R.T. 0.003 min
Lab File: BN037694.D
Acq: 11 Sep 2025 11:44

Tgt Ion:252 Resp: 28034

Ion	Ratio	Lower	Upper
252	100		
253	23.4	19.4	29.0
125	13.0	11.6	17.4



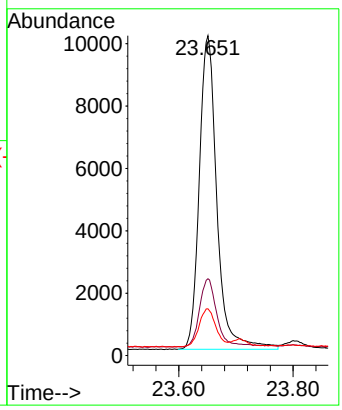


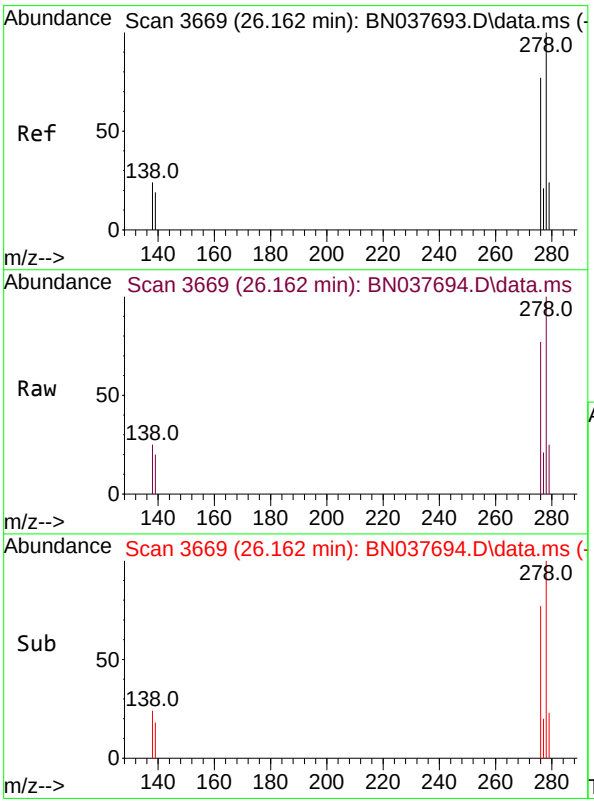
#39
Benzo(a)pyrene
Concen: 0.730 ng
RT: 23.651 min Scan# 28
Delta R.T. 0.003 min
Lab File: BN037694.D
Acq: 11 Sep 2025 11:44

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:252 Resp: 21496

Ion	Ratio	Lower	Upper
252	100		
253	24.0	20.8	31.2
125	14.6	13.9	20.9

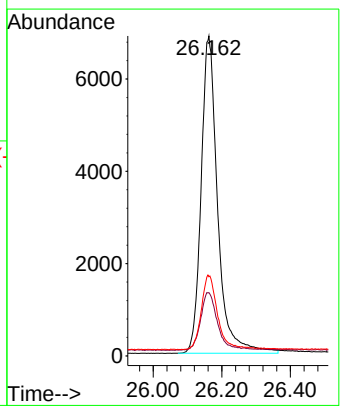


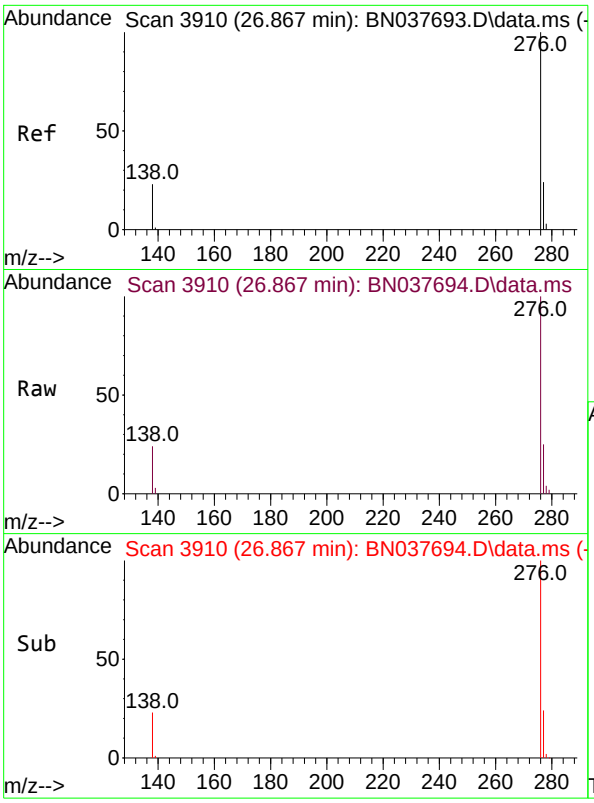


#40
Dibenzo(a,h)anthracene
Concen: 0.735 ng
RT: 26.162 min Scan# 3669
Delta R.T. -0.000 min
Lab File: BN037694.D
Acq: 11 Sep 2025 11:44

Tgt Ion:278 Resp: 23010

Ion	Ratio	Lower	Upper
278	100		
139	19.8	17.8	26.6
279	24.7	22.0	33.0



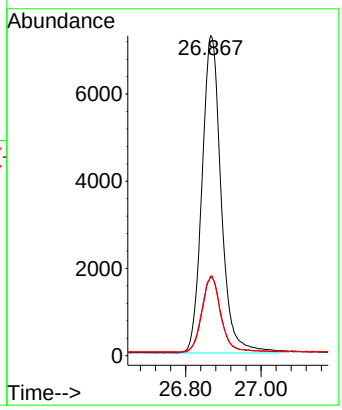


#41
Benzo(g,h,i)perylene
Concen: 0.731 ng
RT: 26.867 min Scan# 3
Delta R.T. -0.000 min
Lab File: BN037694.D
Acq: 11 Sep 2025 11:44

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:276 Resp: 25683

Ion	Ratio	Lower	Upper
276	100		
277	24.8	20.6	31.0
138	24.3	20.2	30.2



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091125\
Data File : BN037695.D
Acq On : 11 Sep 2025 12:20
Operator : RC/JU
Sample : SSTDICC1.6
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Quant Time: Sep 11 14:06:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:02:44 2025
Response via : Initial Calibration

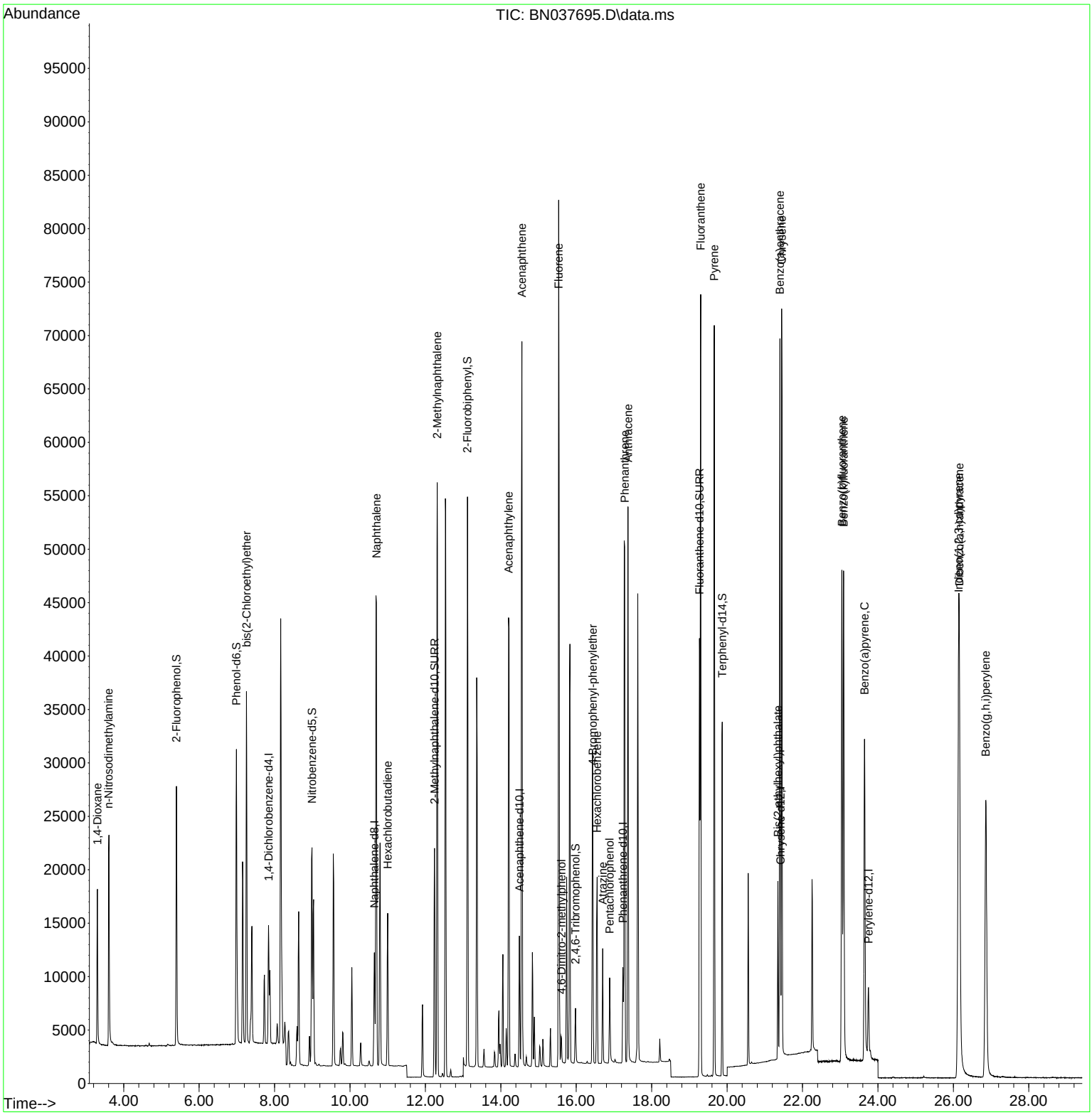
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.840	152	5277	0.400	ng		0.00
7) Naphthalene-d8	10.648	136	13818	0.400	ng		0.00
13) Acenaphthene-d10	14.495	164	6567	0.400	ng		0.00
19) Phenanthrene-d10	17.236	188	11496	0.400	ng		0.00
29) Chrysene-d12	21.420	240	9743	0.400	ng		0.00
35) Perylene-d12	23.750	264	9111	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.399	112	19252	1.589	ng		0.00
5) Phenol-d6	6.988	99	25180	1.603	ng		0.00
8) Nitrobenzene-d5	8.993	82	16386	1.621	ng		0.00
11) 2-Methylnaphthalene-d10	12.243	152	28843	1.576	ng		0.00
14) 2,4,6-Tribromophenol	15.982	330	2959	1.728	ng		0.00
15) 2-Fluorobiphenyl	13.116	172	44363	1.615	ng		0.00
27) Fluoranthene-d10	19.267	212	43876	1.520	ng		0.00
31) Terphenyl-d14	19.871	244	31656	1.601	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.305	88	9125	1.660	ng		98
3) n-Nitrosodimethylamine	3.601	42	11726	1.633	ng	#	96
6) bis(2-Chloroethyl)ether	7.255	93	22759	1.622	ng		99
9) Naphthalene	10.701	128	61726	1.634	ng		99
10) Hexachlorobutadiene	11.000	225	11208	1.640	ng	#	100
12) 2-Methylnaphthalene	12.314	142	38501	1.648	ng		99
16) Acenaphthylene	14.206	152	49508	1.644	ng		100
17) Acenaphthene	14.559	154	33424	1.641	ng		99
18) Fluorene	15.535	166	40588	1.646	ng		99
20) 4,6-Dinitro-2-methylph...	15.610	198	1837	1.725	ng	#	46
21) 4-Bromophenyl-phenylether	16.441	248	12511	1.669	ng		98
22) Hexachlorobenzene	16.553	284	14034	1.628	ng		99
23) Atrazine	16.702	200	7765	1.628	ng		97
24) Pentachlorophenol	16.888	266	3932	1.571	ng		98
25) Phenanthrene	17.285	178	59082	1.632	ng		100
26) Anthracene	17.372	178	52416	1.635	ng		100
28) Fluoranthene	19.299	202	64074	1.614	ng		100
30) Pyrene	19.661	202	62457	1.638	ng		100
32) Benzo(a)anthracene	21.402	228	54932	1.616	ng		99
33) Chrysene	21.447	228	58866	1.615	ng		97
34) Bis(2-ethylhexyl)phtha...	21.349	149	14814	1.470	ng	#	99
36) Indeno(1,2,3-cd)pyrene	26.139	276	65254	1.705	ng		100
37) Benzo(b)fluoranthene	23.043	252	59639	1.662	ng		95
38) Benzo(k)fluoranthene	23.090	252	62123	1.698	ng		96
39) Benzo(a)pyrene	23.645	252	47897	1.667	ng	#	92
40) Dibenzo(a,h)anthracene	26.159	278	53306	1.744	ng		93
41) Benzo(g,h,i)perylene	26.858	276	57151	1.666	ng		97

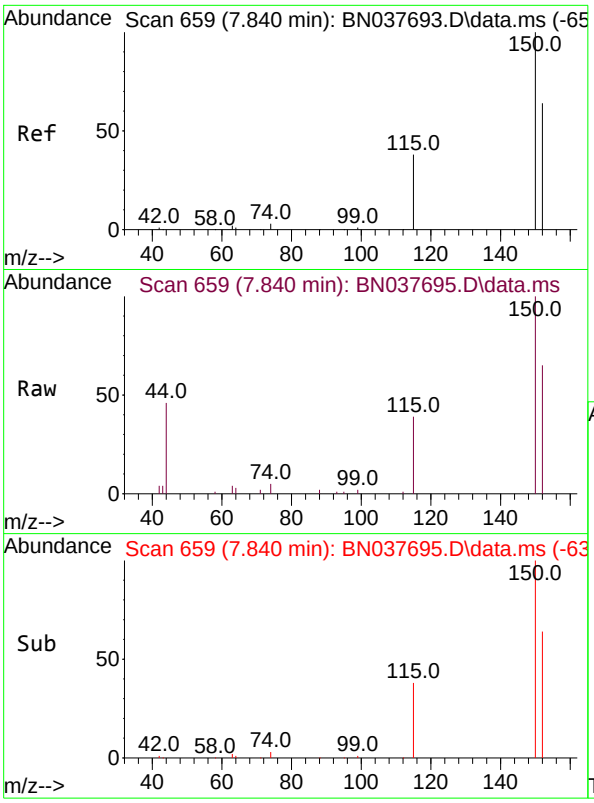
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091125\
Data File : BN037695.D
Acq On : 11 Sep 2025 12:20
Operator : RC/JU
Sample : SSTDICC1.6
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Quant Time: Sep 11 14:06:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:02:44 2025
Response via : Initial Calibration



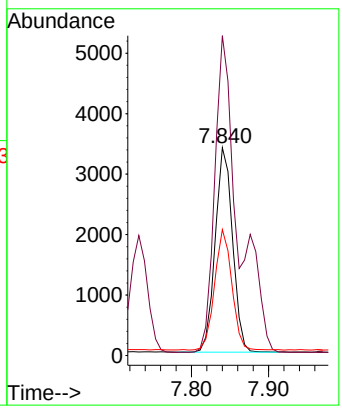


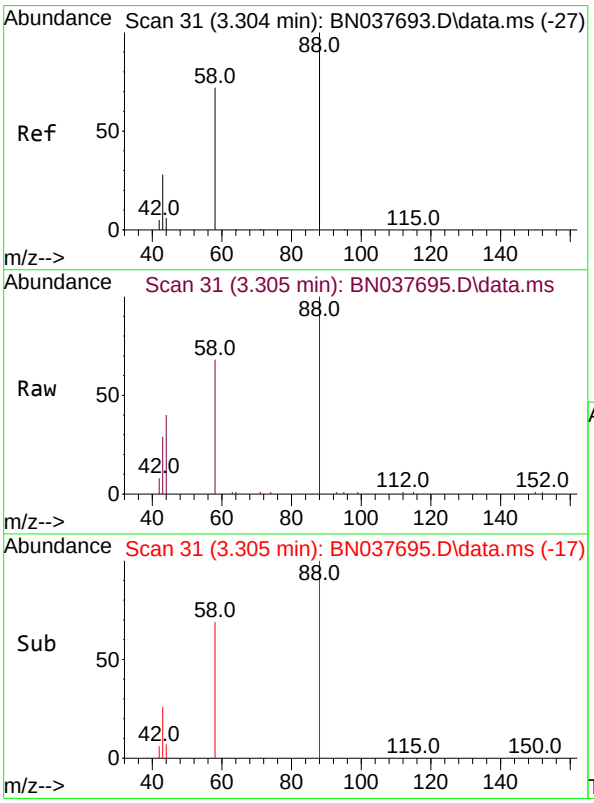
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.840 min Scan# 6
Delta R.T. 0.000 min
Lab File: BN037695.D
Acq: 11 Sep 2025 12:20

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:152 Resp: 5277

Ion	Ratio	Lower	Upper
152	100		
150	153.9	124.5	186.7
115	60.6	49.2	73.8

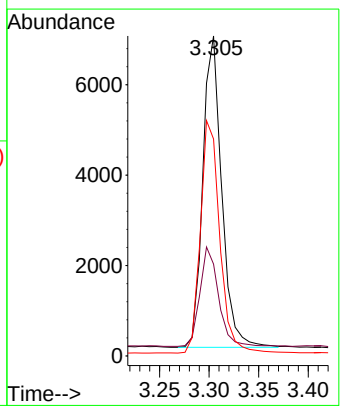


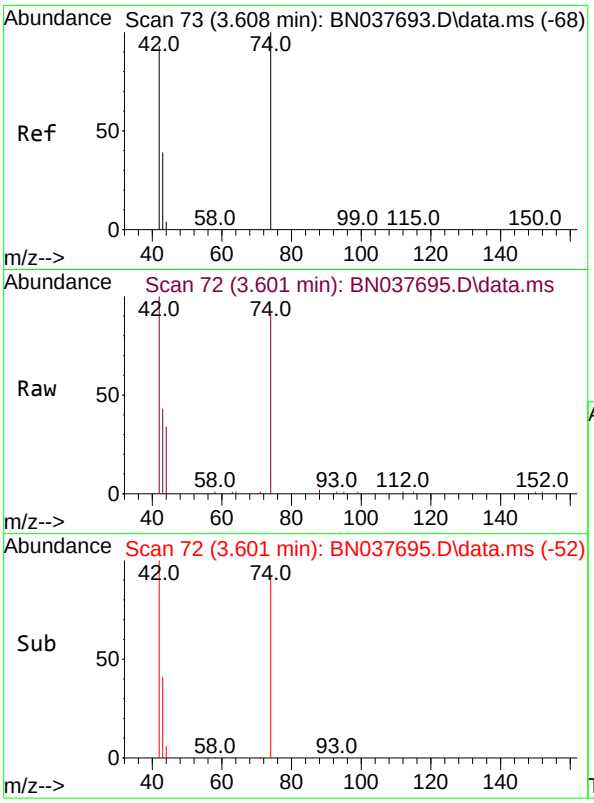


#2
1,4-Dioxane
Concen: 1.660 ng
RT: 3.305 min Scan# 31
Delta R.T. 0.000 min
Lab File: BN037695.D
Acq: 11 Sep 2025 12:20

Tgt Ion: 88 Resp: 9125

Ion	Ratio	Lower	Upper
88	100		
43	31.6	26.8	40.2
58	76.5	61.9	92.9



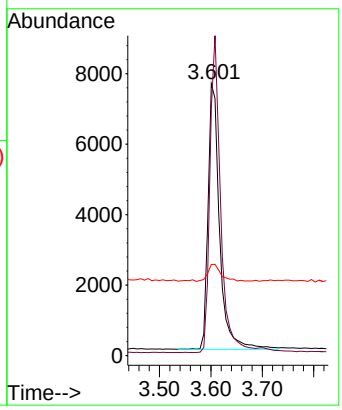


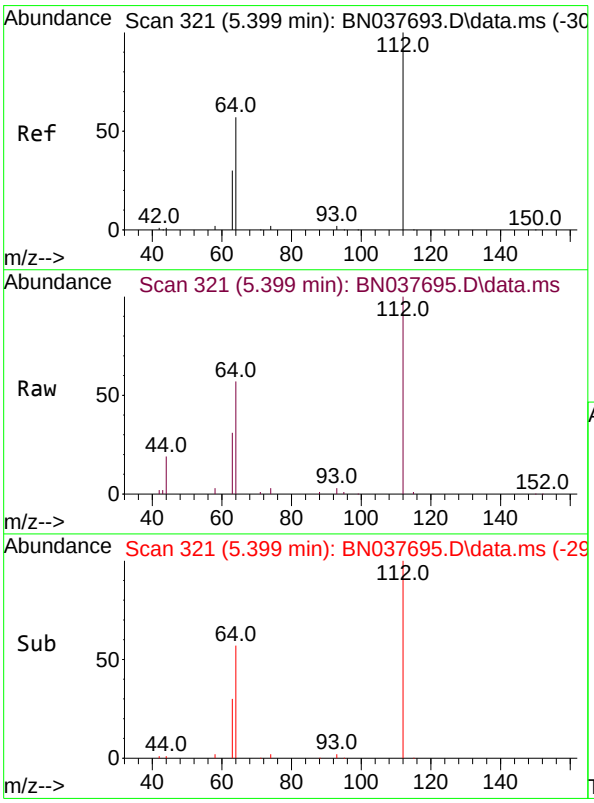
#3
n-Nitrosodimethylamine
Concen: 1.633 ng
RT: 3.601 min Scan# 7
Delta R.T. -0.007 min
Lab File: BN037695.D
Acq: 11 Sep 2025 12:20

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion: 42 Resp: 11726

Ion	Ratio	Lower	Upper
42	100		
74	111.0	86.0	129.0
44	7.4	8.4	12.6#

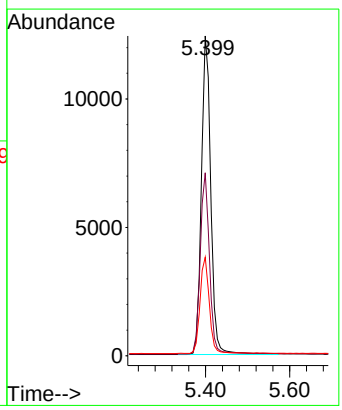


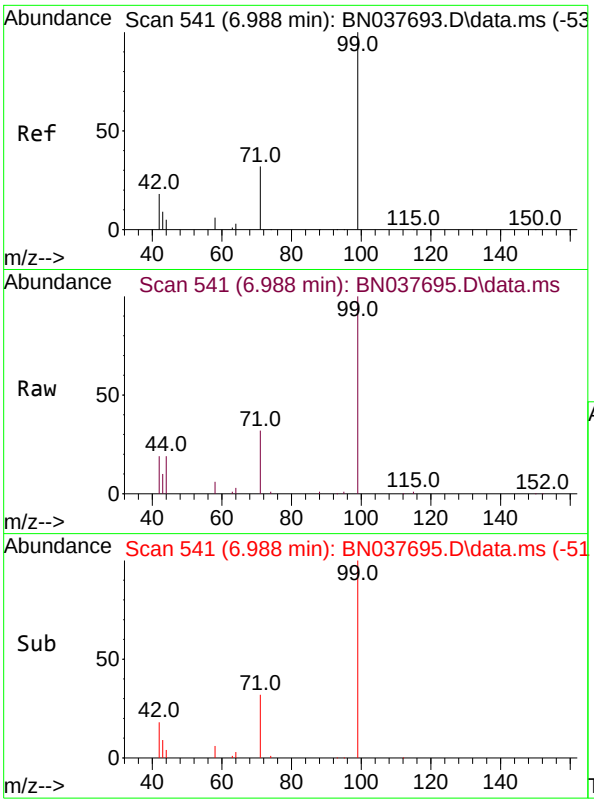


#4
2-Fluorophenol
Concen: 1.589 ng
RT: 5.399 min Scan# 321
Delta R.T. 0.000 min
Lab File: BN037695.D
Acq: 11 Sep 2025 12:20

Tgt Ion:112 Resp: 19252

Ion	Ratio	Lower	Upper
112	100		
64	56.0	44.9	67.3
63	29.9	24.7	37.1



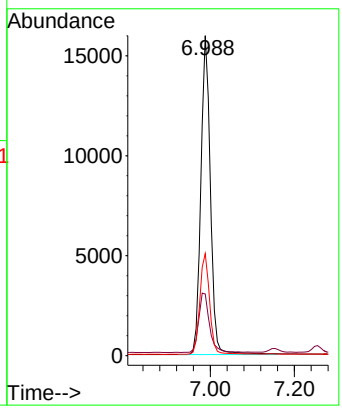


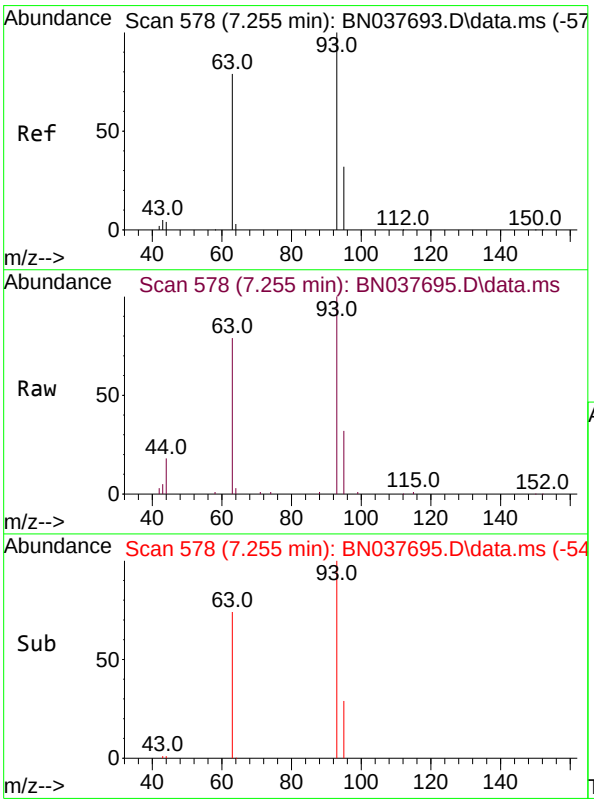
#5
Phenol-d6
Concen: 1.603 ng
RT: 6.988 min Scan# 54
Delta R.T. 0.000 min
Lab File: BN037695.D
Acq: 11 Sep 2025 12:20

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion: 99 Resp: 25180

Ion	Ratio	Lower	Upper
99	100		
42	20.9	16.6	24.8
71	32.5	26.7	40.1

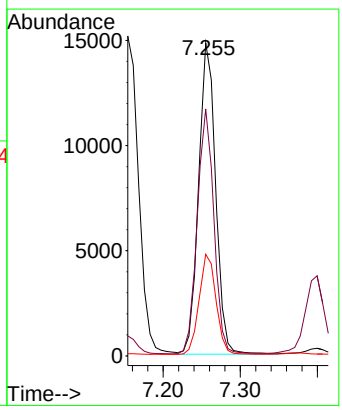


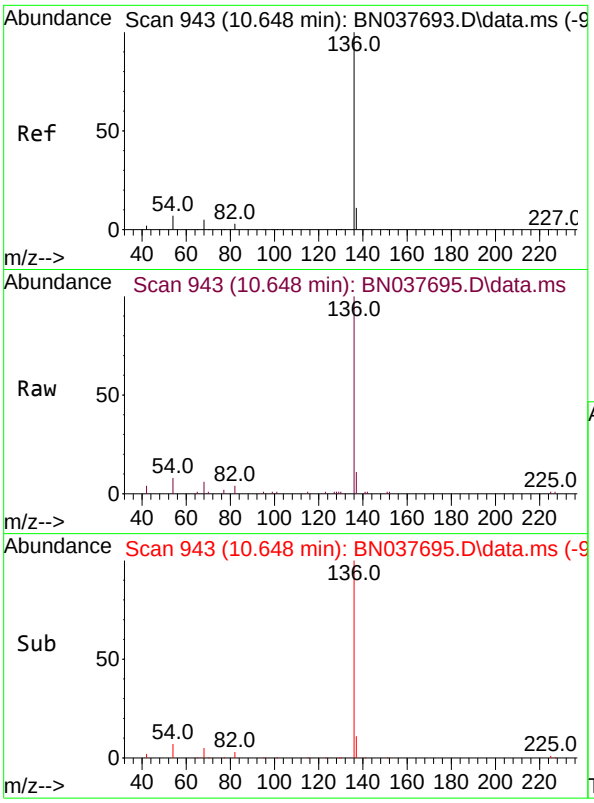


#6
bis(2-Chloroethyl)ether
Concen: 1.622 ng
RT: 7.255 min Scan# 578
Delta R.T. 0.000 min
Lab File: BN037695.D
Acq: 11 Sep 2025 12:20

Tgt Ion: 93 Resp: 22759

Ion	Ratio	Lower	Upper
93	100		
63	76.7	60.6	90.8
95	32.0	26.0	39.0



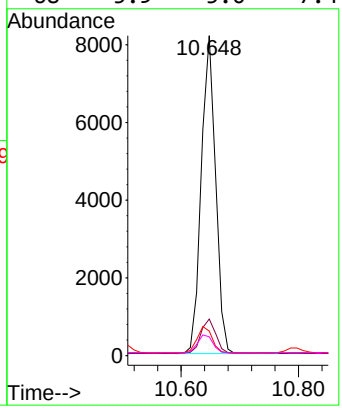


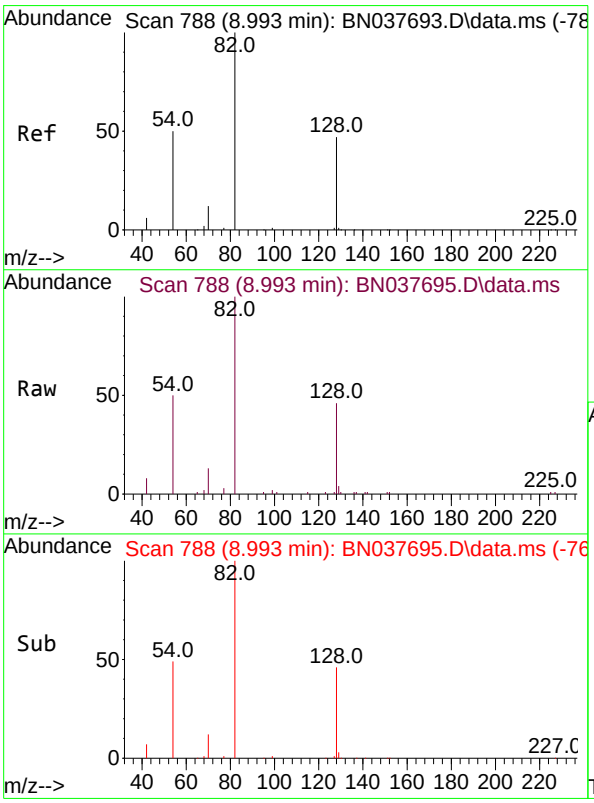
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.648 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN037695.D
Acq: 11 Sep 2025 12:20

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:136 Resp: 13818

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	7.7	6.3	9.5
68	5.9	5.0	7.4

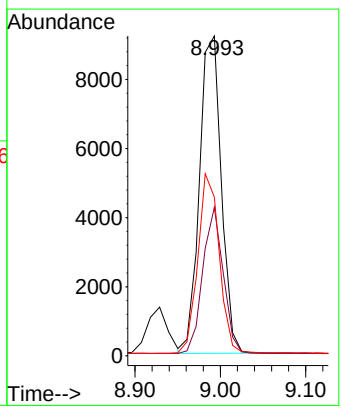


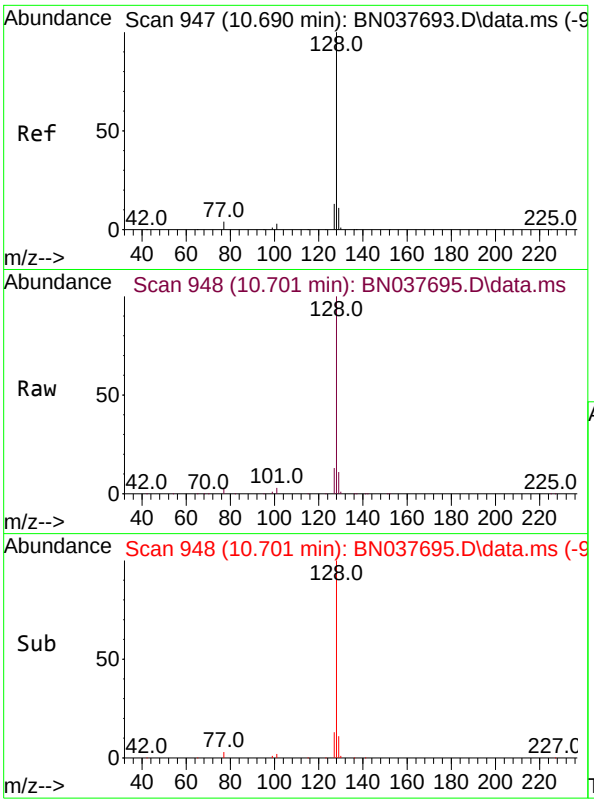


#8
Nitrobenzene-d5
Concen: 1.621 ng
RT: 8.993 min Scan# 788
Delta R.T. 0.000 min
Lab File: BN037695.D
Acq: 11 Sep 2025 12:20

Tgt Ion: 82 Resp: 16386

Ion	Ratio	Lower	Upper
82	100		
128	46.4	38.3	57.5
54	49.6	41.4	62.2



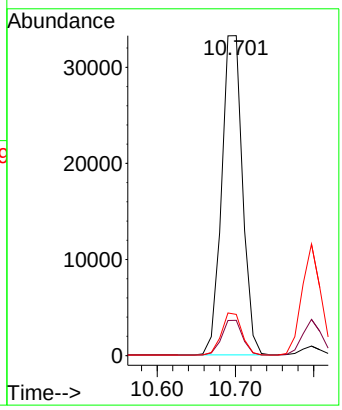


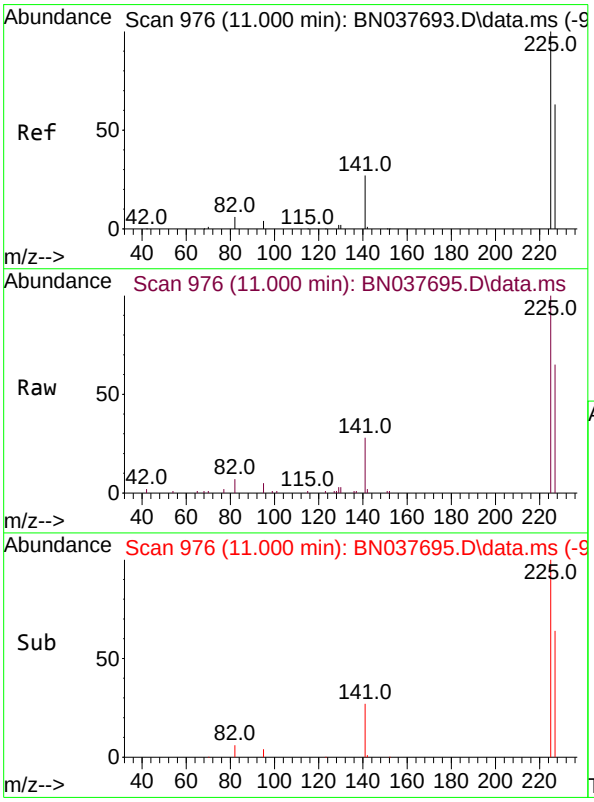
#9
Naphthalene
Concen: 1.634 ng
RT: 10.701 min Scan# 94
Delta R.T. 0.011 min
Lab File: BN037695.D
Acq: 11 Sep 2025 12:20

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:128 Resp: 61726

Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.1	13.7
127	12.9	10.9	16.3

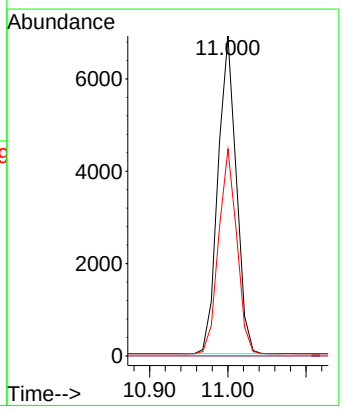


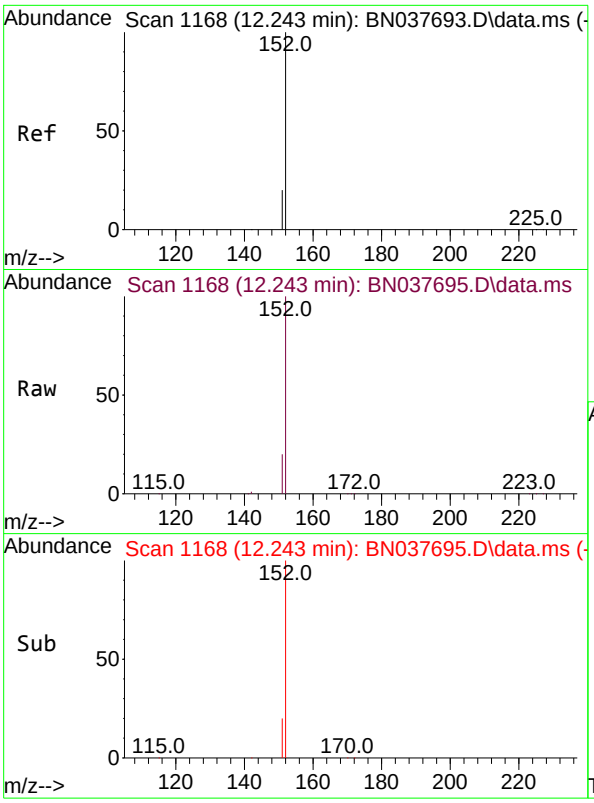


#10
Hexachlorobutadiene
Concen: 1.640 ng
RT: 11.000 min Scan# 976
Delta R.T. 0.000 min
Lab File: BN037695.D
Acq: 11 Sep 2025 12:20

Tgt Ion:225 Resp: 11208

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.7	50.9	76.3



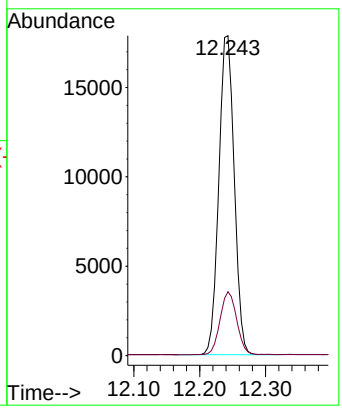


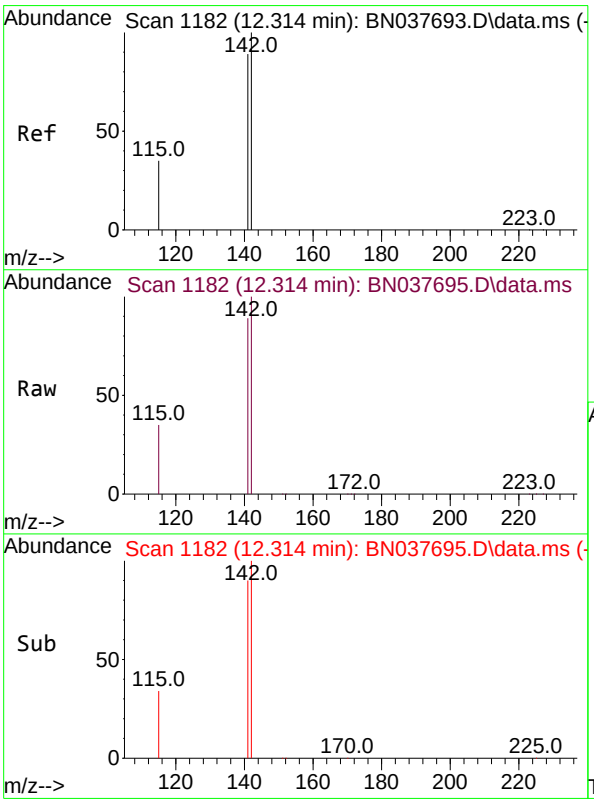
#11
2-Methylnaphthalene-d10
Concen: 1.576 ng
RT: 12.243 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN037695.D
Acq: 11 Sep 2025 12:20

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:152 Resp: 28843

Ion	Ratio	Lower	Upper
152	100		
151	21.3	17.0	25.6

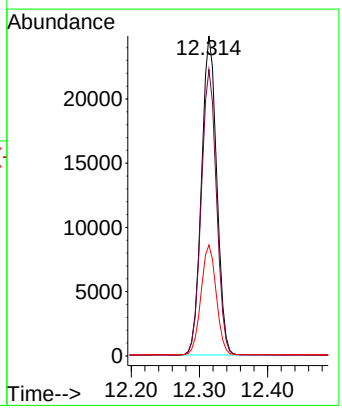


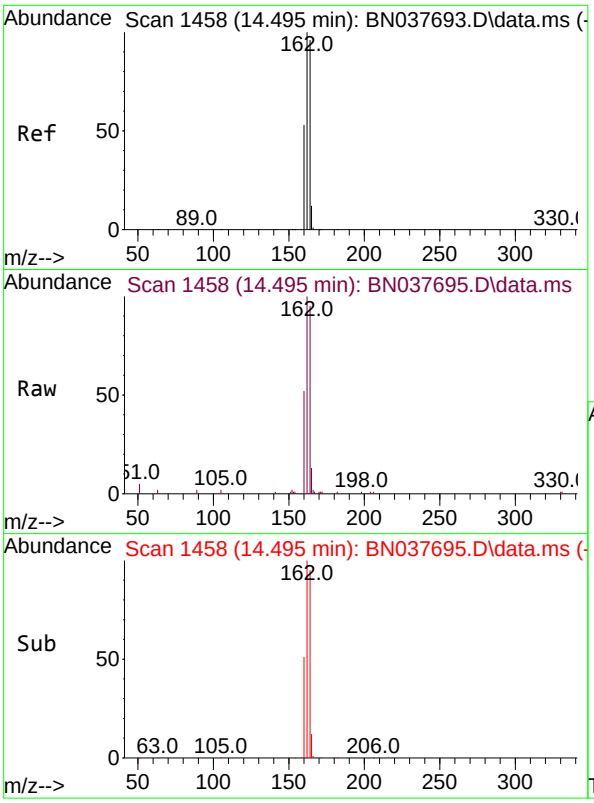


#12
2-Methylnaphthalene
Concen: 1.648 ng
RT: 12.314 min Scan# 1182
Delta R.T. 0.000 min
Lab File: BN037695.D
Acq: 11 Sep 2025 12:20

Tgt Ion:142 Resp: 38501

Ion	Ratio	Lower	Upper
142	100		
141	89.5	71.6	107.4
115	34.6	28.6	43.0



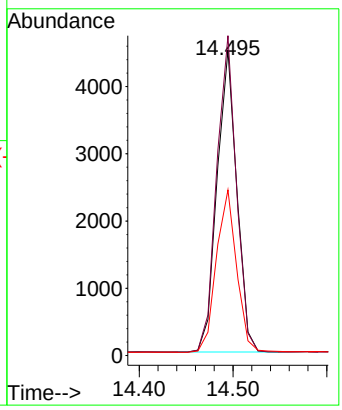


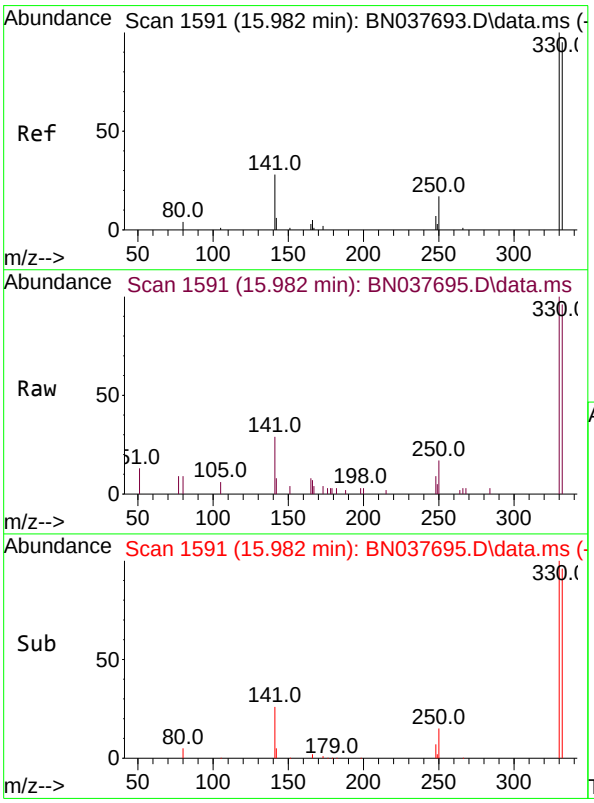
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.495 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037695.D
Acq: 11 Sep 2025 12:20

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:164 Resp: 6567

Ion	Ratio	Lower	Upper
164	100		
162	104.8	83.1	124.7
160	54.2	44.3	66.5

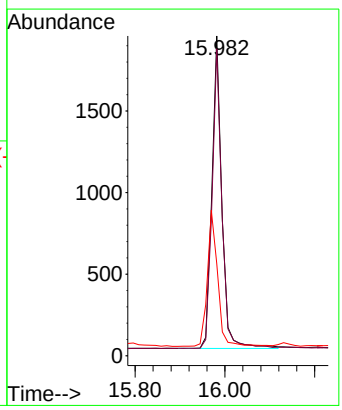


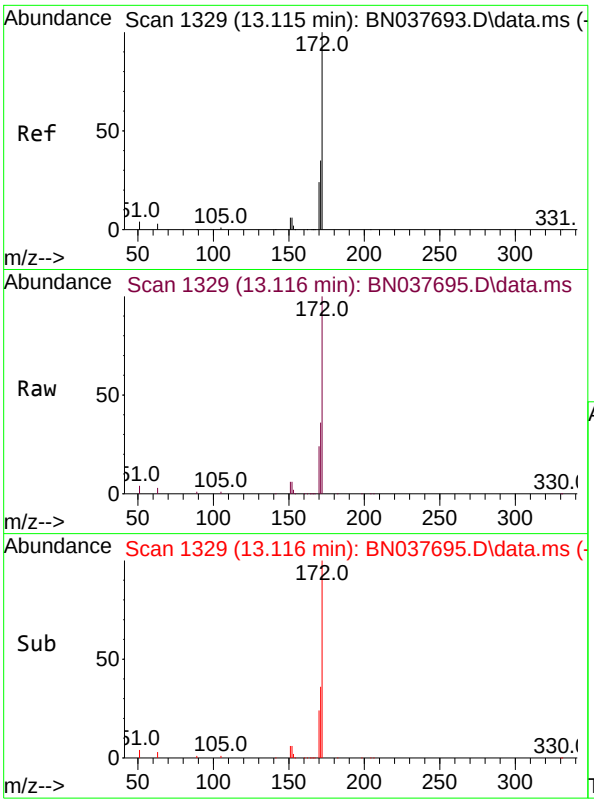


#14
2,4,6-Tribromophenol
Concen: 1.728 ng
RT: 15.982 min Scan# 1591
Delta R.T. -0.000 min
Lab File: BN037695.D
Acq: 11 Sep 2025 12:20

Tgt Ion:330 Resp: 2959

Ion	Ratio	Lower	Upper
330	100		
332	95.0	75.3	112.9
141	45.3	35.0	52.4



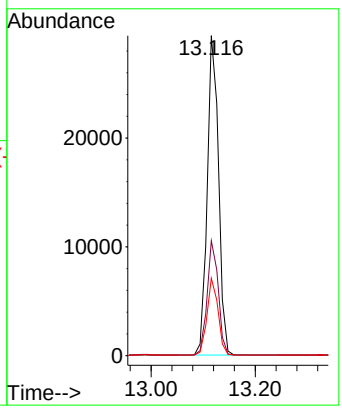


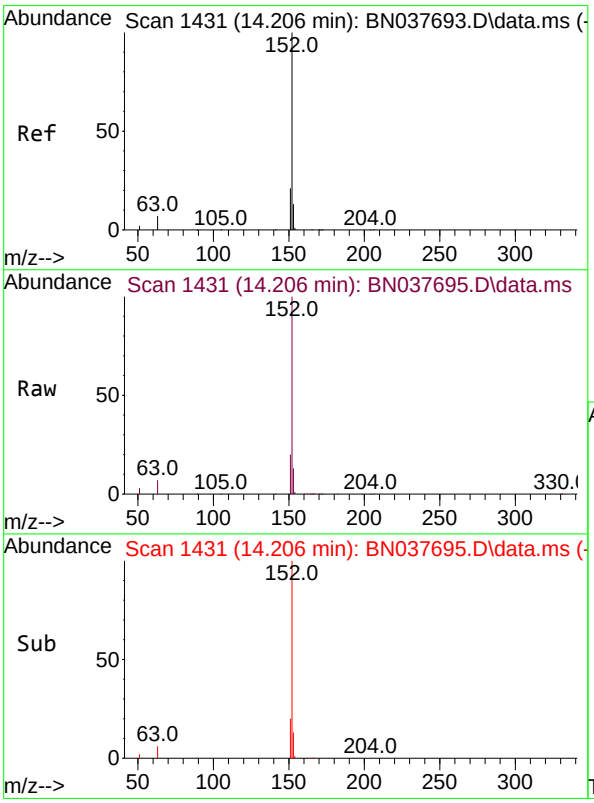
#15
2-Fluorobiphenyl
Concen: 1.615 ng
RT: 13.116 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037695.D
Acq: 11 Sep 2025 12:20

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:172 Resp: 44363

Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.6	43.0
170	24.2	19.8	29.8

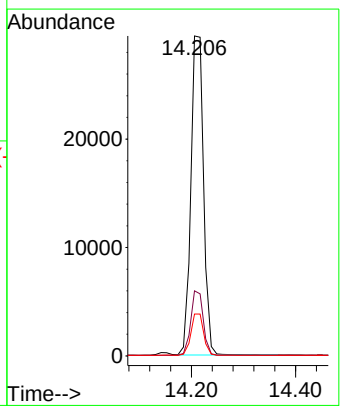


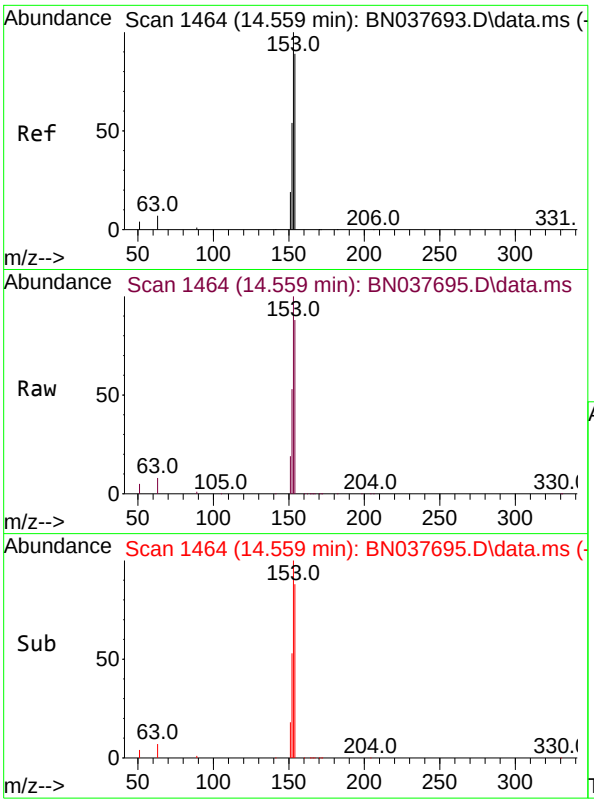


#16
Acenaphthylene
Concen: 1.644 ng
RT: 14.206 min Scan# 1431
Delta R.T. 0.000 min
Lab File: BN037695.D
Acq: 11 Sep 2025 12:20

Tgt Ion:152 Resp: 49508

Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.2	24.2
153	13.0	10.4	15.6



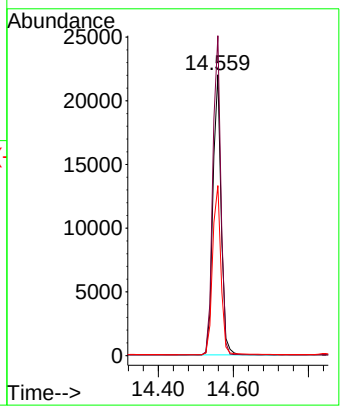


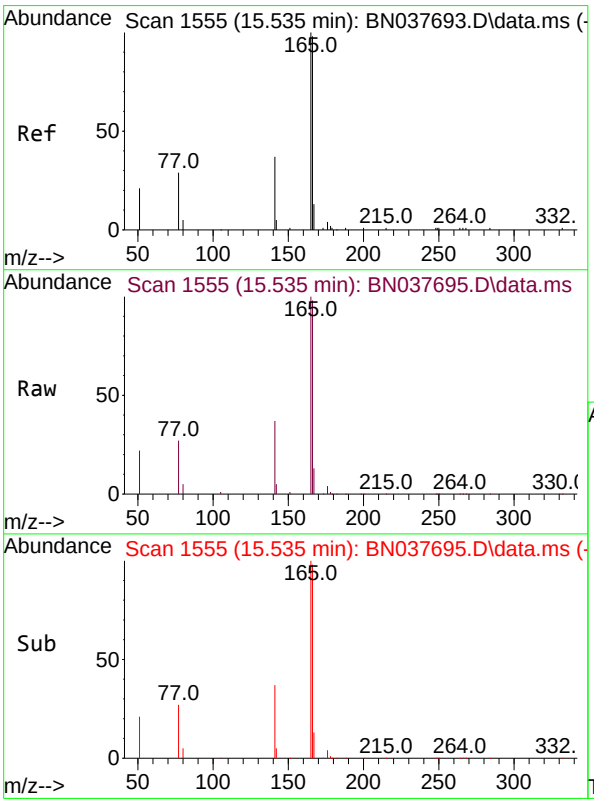
#17
Acenaphthene
Concen: 1.641 ng
RT: 14.559 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037695.D
Acq: 11 Sep 2025 12:20

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:154 Resp: 33424

Ion	Ratio	Lower	Upper
154	100		
153	111.9	89.8	134.8
152	61.8	50.2	75.2

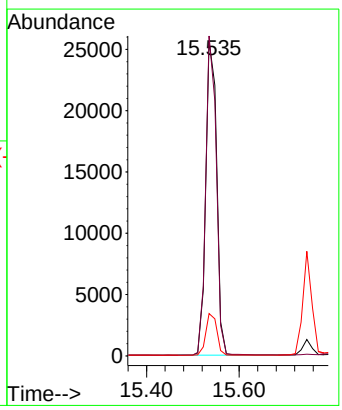


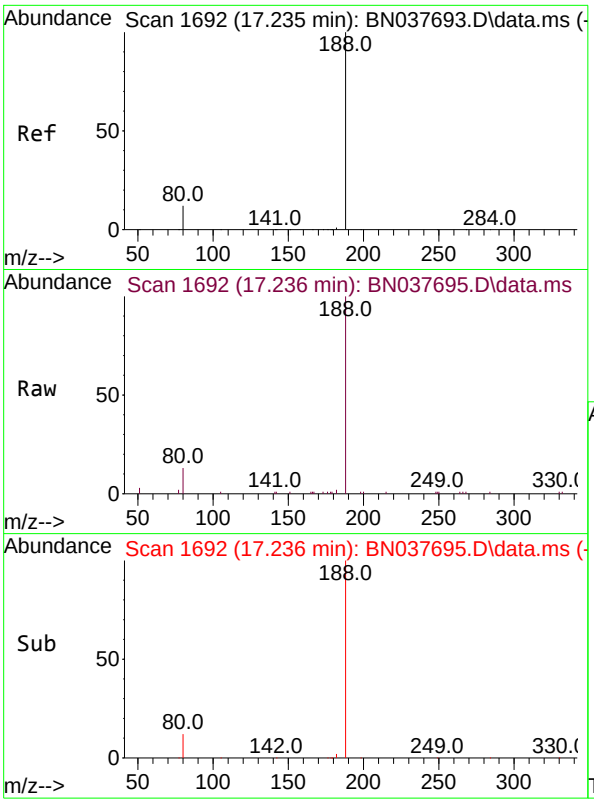


#18
Fluorene
Concen: 1.646 ng
RT: 15.535 min Scan# 1555
Delta R.T. 0.000 min
Lab File: BN037695.D
Acq: 11 Sep 2025 12:20

Tgt Ion:166 Resp: 40588

Ion	Ratio	Lower	Upper
166	100		
165	98.2	79.6	119.4
167	13.5	10.6	16.0



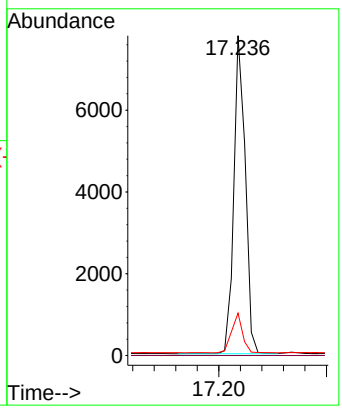


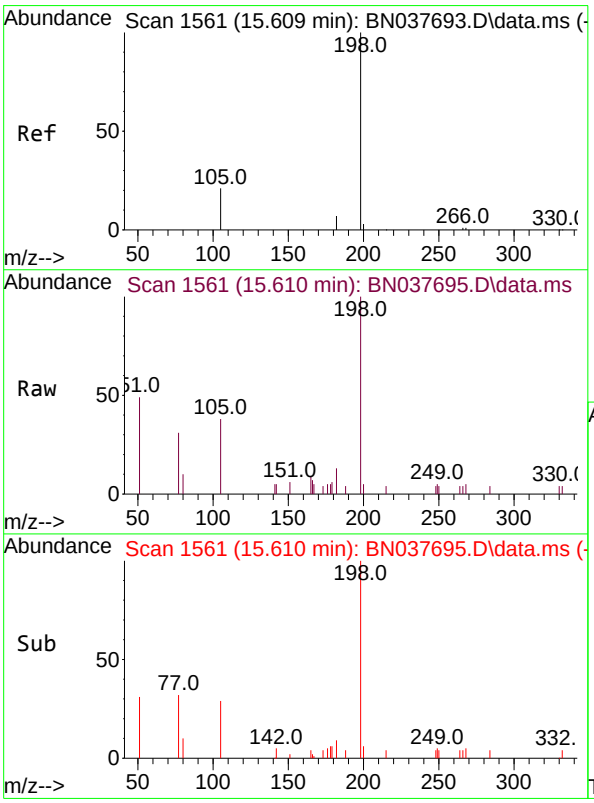
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.236 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037695.D
Acq: 11 Sep 2025 12:20

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:188 Resp: 11496

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	13.3	10.6	15.8

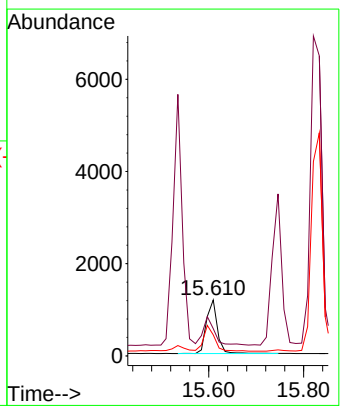


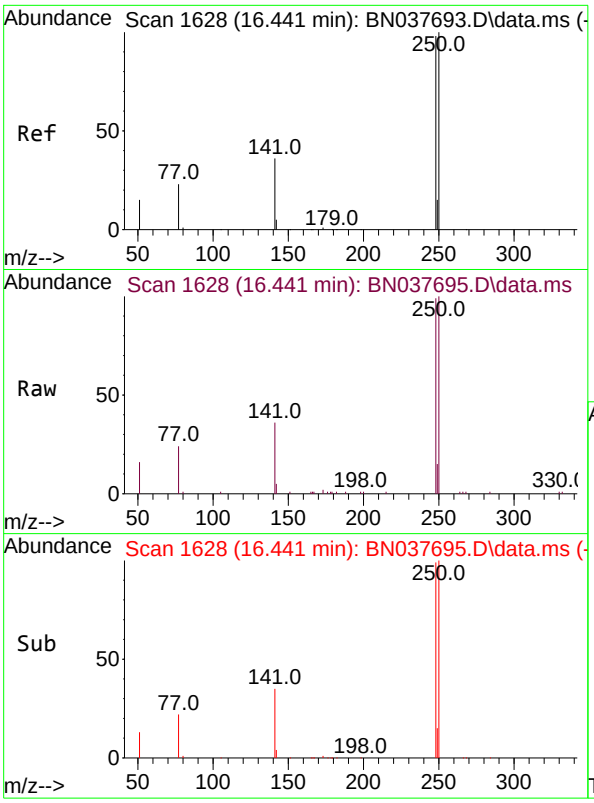


#20
4,6-Dinitro-2-methylphenol
Concen: 1.725 ng
RT: 15.610 min Scan# 1561
Delta R.T. 0.001 min
Lab File: BN037695.D
Acq: 11 Sep 2025 12:20

Tgt Ion:198 Resp: 1837

Ion	Ratio	Lower	Upper
198	100		
51	48.7	95.1	142.7#
105	37.6	53.8	80.6#



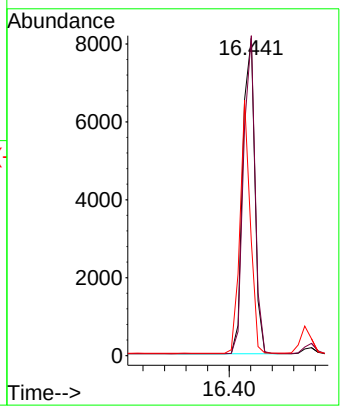


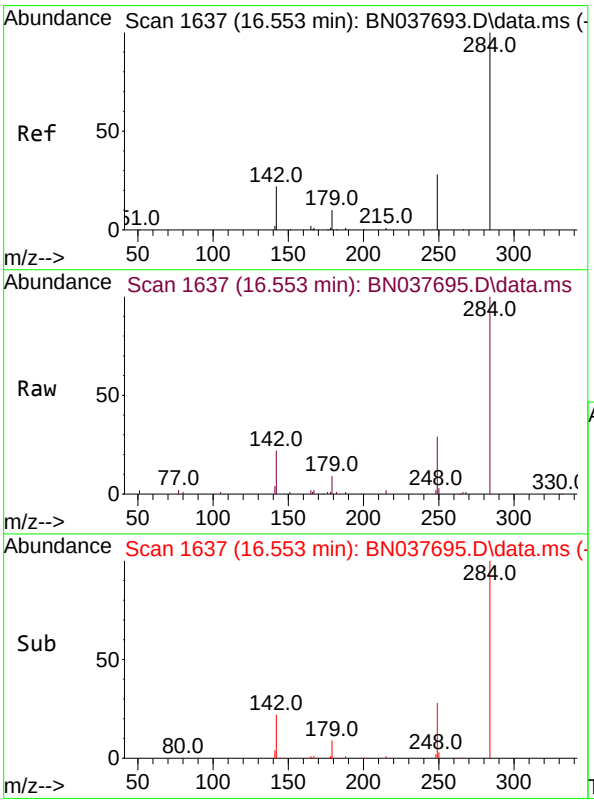
#21
4-Bromophenyl-phenylether
Concen: 1.669 ng
RT: 16.441 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN037695.D
Acq: 11 Sep 2025 12:20

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:248 Resp: 12511

Ion	Ratio	Lower	Upper
248	100		
250	100.8	81.5	122.3
141	36.0	30.8	46.2

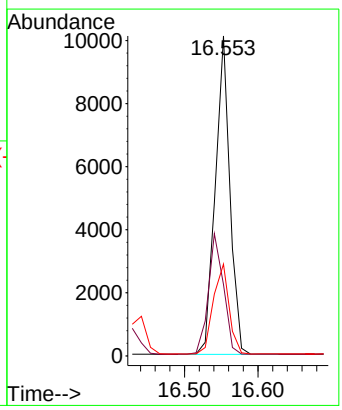


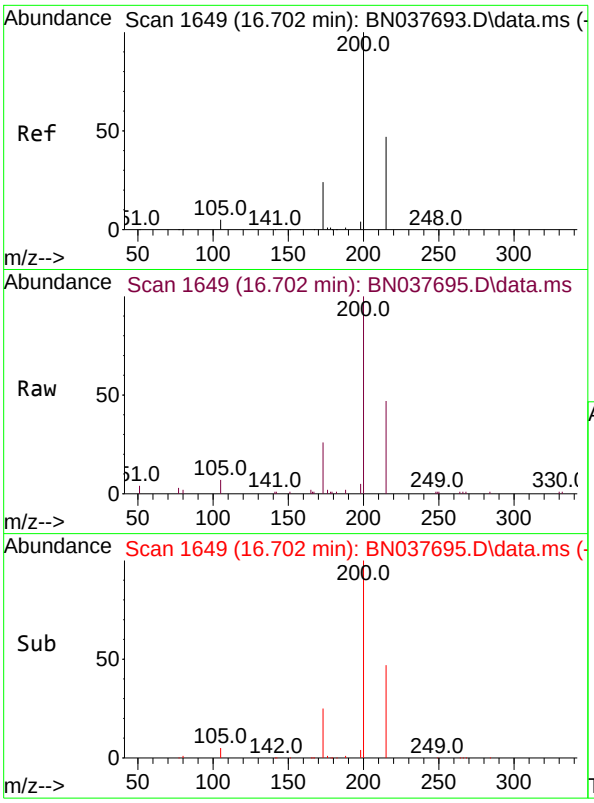


#22
Hexachlorobenzene
Concen: 1.628 ng
RT: 16.553 min Scan# 1637
Delta R.T. 0.000 min
Lab File: BN037695.D
Acq: 11 Sep 2025 12:20

Tgt Ion:284 Resp: 14034

Ion	Ratio	Lower	Upper
284	100		
142	39.1	30.9	46.3
249	30.3	24.8	37.2



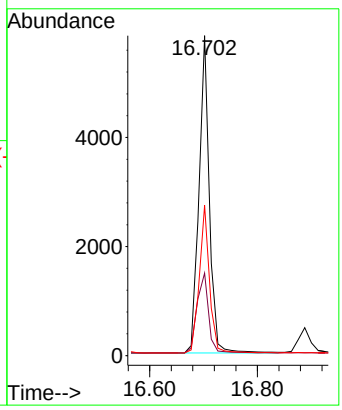


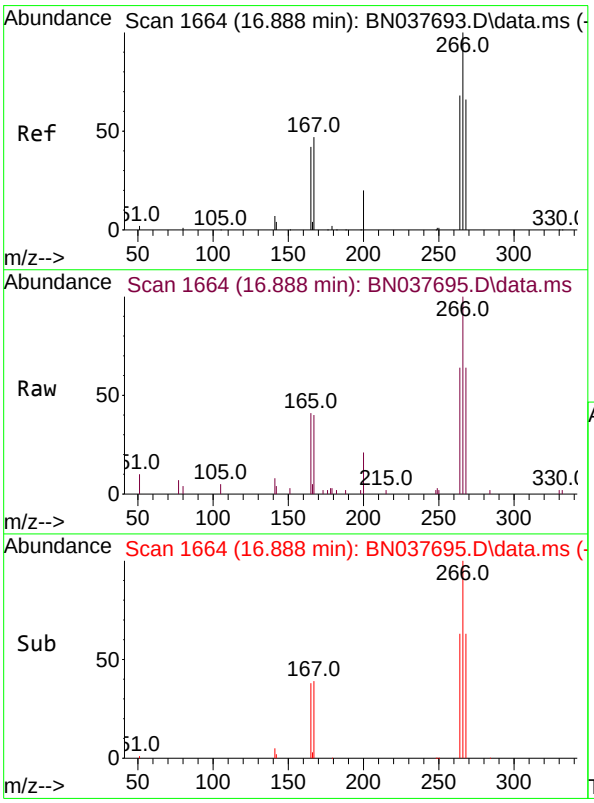
#23
Atrazine
Concen: 1.628 ng
RT: 16.702 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037695.D
Acq: 11 Sep 2025 12:20

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:200 Resp: 7765

Ion	Ratio	Lower	Upper
200	100		
173	25.8	21.4	32.2
215	47.0	39.2	58.8

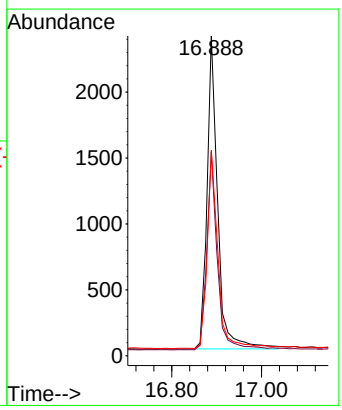


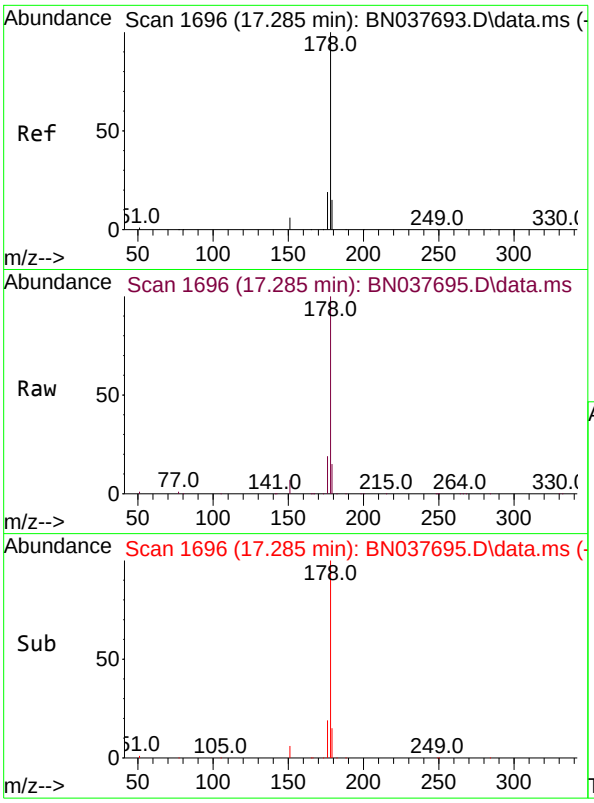


#24
Pentachlorophenol
Concen: 1.571 ng
RT: 16.888 min Scan# 1664
Delta R.T. 0.000 min
Lab File: BN037695.D
Acq: 11 Sep 2025 12:20

Tgt Ion:266 Resp: 3932

Ion	Ratio	Lower	Upper
266	100		
264	63.1	51.6	77.4
268	65.1	53.2	79.8



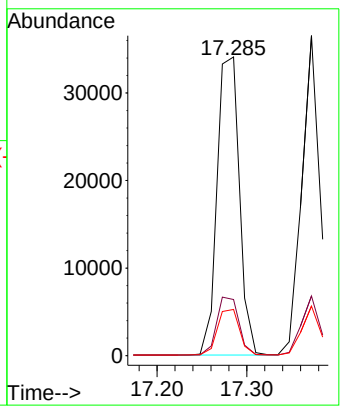


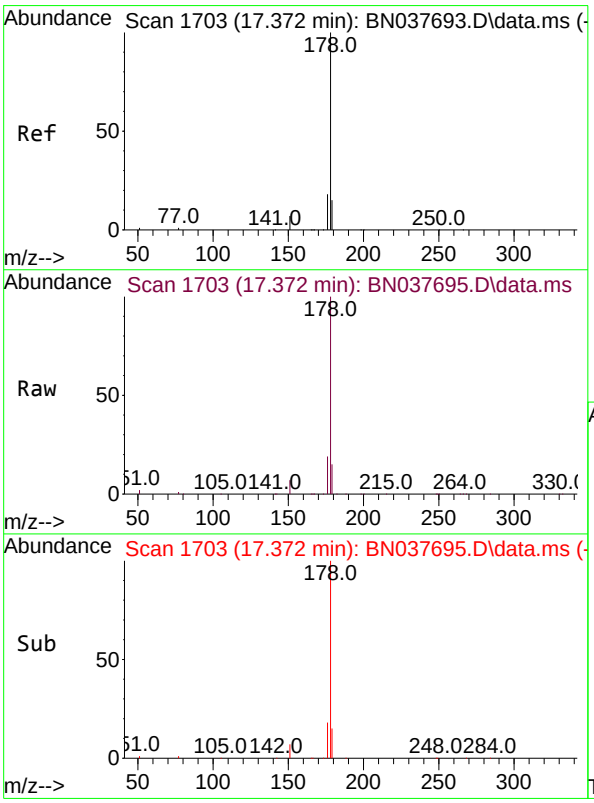
#25
Phenanthrene
Concen: 1.632 ng
RT: 17.285 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037695.D
Acq: 11 Sep 2025 12:20

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:178 Resp: 59082

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	15.2	12.2	18.2

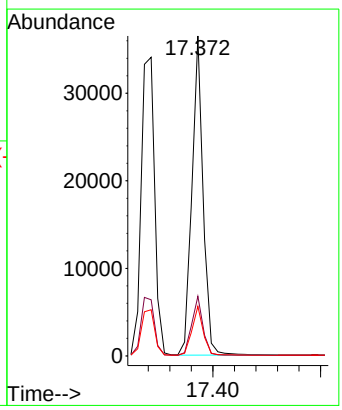


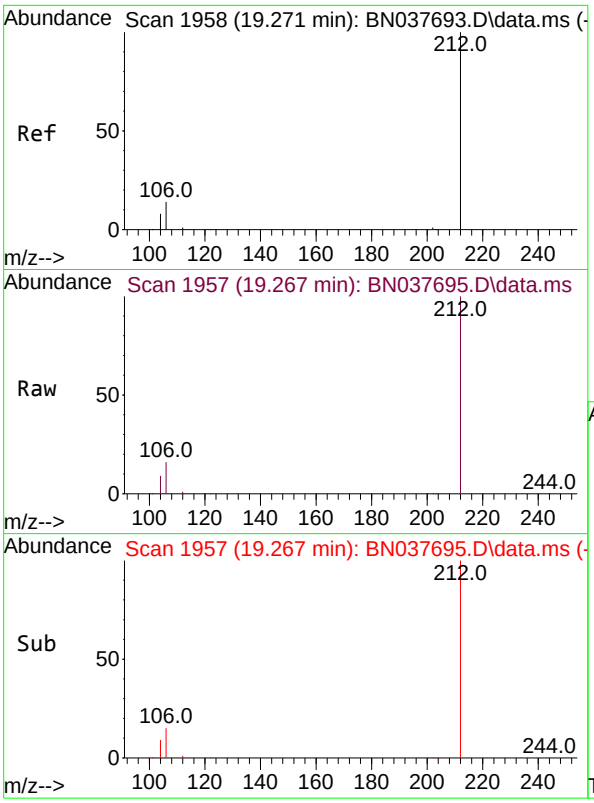


#26
Anthracene
Concen: 1.635 ng
RT: 17.372 min Scan# 1703
Delta R.T. 0.000 min
Lab File: BN037695.D
Acq: 11 Sep 2025 12:20

Tgt Ion:178 Resp: 52416

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.6	22.0
179	15.2	12.2	18.4



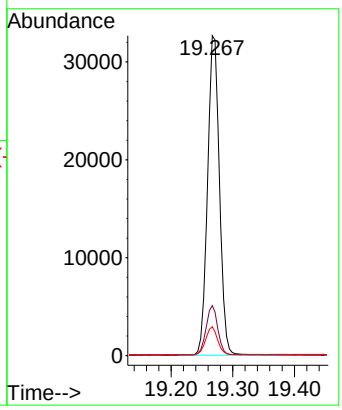


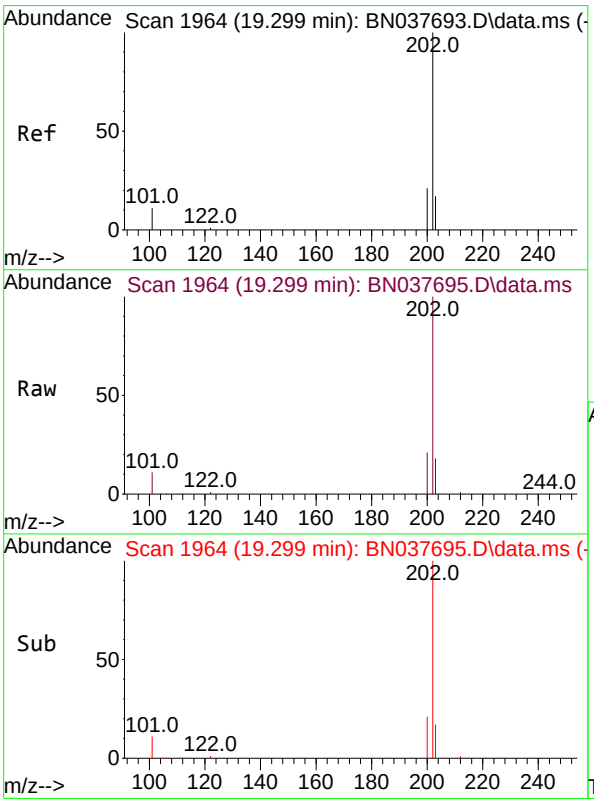
#27
Fluoranthene-d10
Concen: 1.520 ng
RT: 19.267 min Scan# 19
Delta R.T. -0.005 min
Lab File: BN037695.D
Acq: 11 Sep 2025 12:20

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:212 Resp: 43876

Ion	Ratio	Lower	Upper
212	100		
106	15.2	12.2	18.2
104	8.6	6.9	10.3

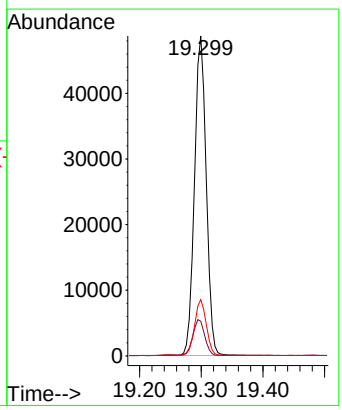


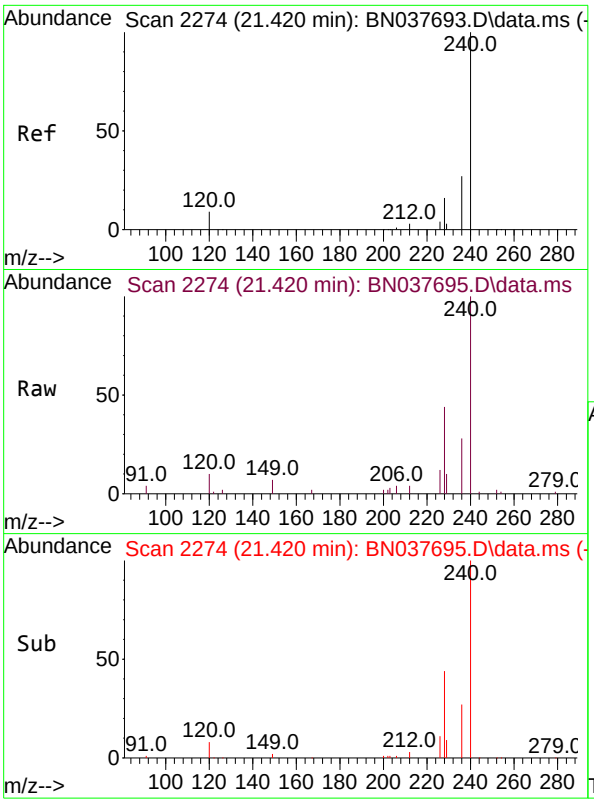


#28
Fluoranthene
Concen: 1.614 ng
RT: 19.299 min Scan# 1964
Delta R.T. 0.000 min
Lab File: BN037695.D
Acq: 11 Sep 2025 12:20

Tgt Ion:202 Resp: 64074

Ion	Ratio	Lower	Upper
202	100		
101	11.6	9.3	13.9
203	17.3	13.7	20.5



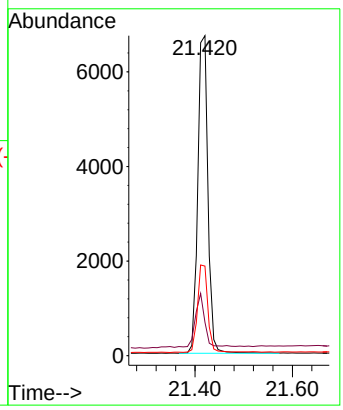


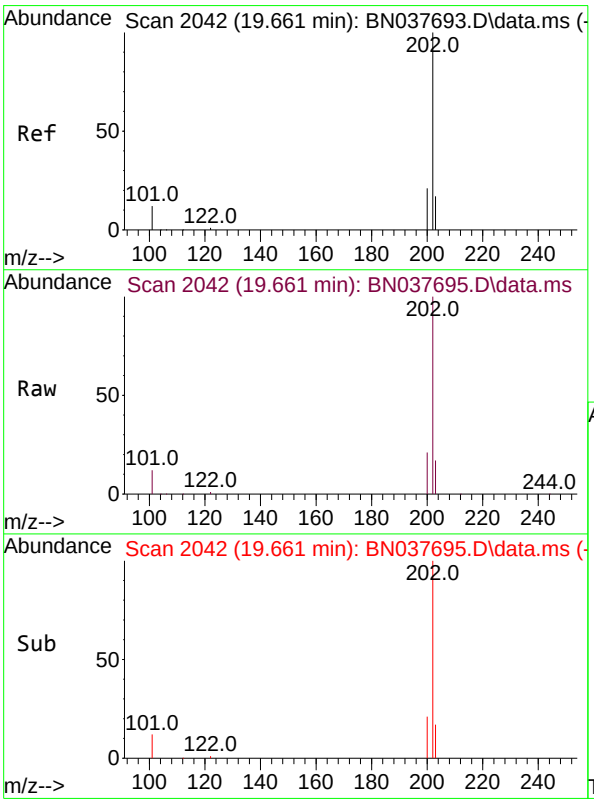
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.420 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN037695.D
Acq: 11 Sep 2025 12:20

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:240 Resp: 9743

Ion	Ratio	Lower	Upper
240	100		
120	10.4	9.2	13.8
236	28.0	22.6	33.8

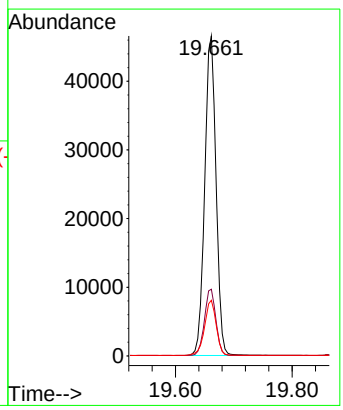


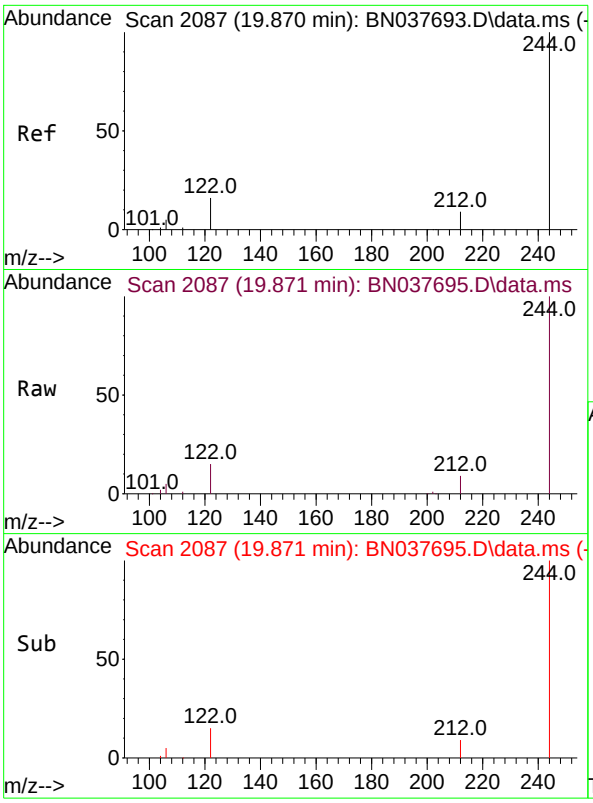


#30
Pyrene
Concen: 1.638 ng
RT: 19.661 min Scan# 2042
Delta R.T. 0.000 min
Lab File: BN037695.D
Acq: 11 Sep 2025 12:20

Tgt Ion:202 Resp: 62457

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.8	25.2
203	17.8	14.3	21.5



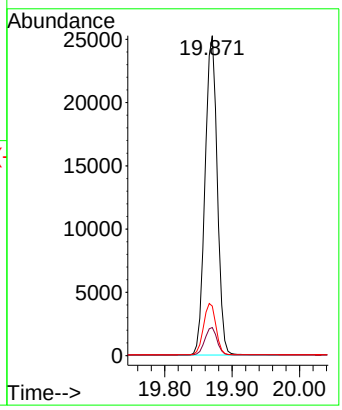


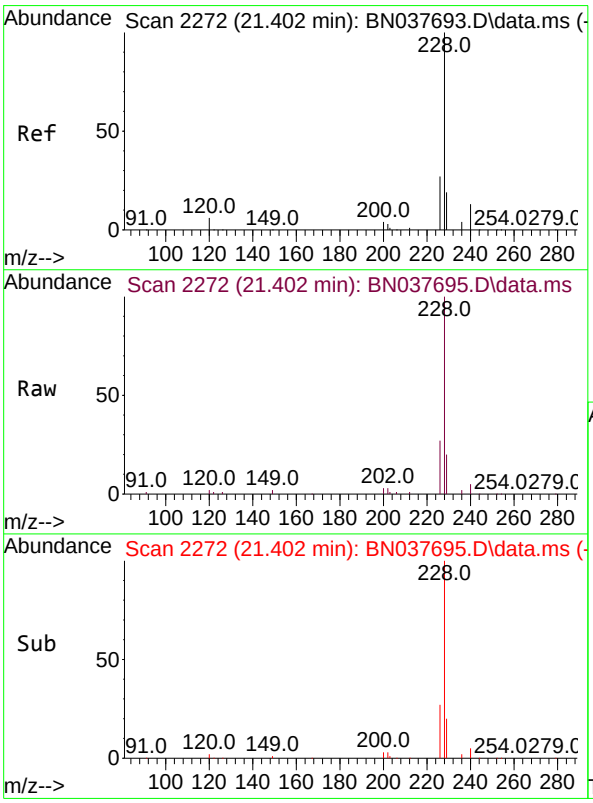
#31
Terphenyl-d14
Concen: 1.601 ng
RT: 19.871 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037695.D
Acq: 11 Sep 2025 12:20

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:244 Resp: 31656

Ion	Ratio	Lower	Upper
244	100		
212	8.8	7.5	11.3
122	15.5	13.2	19.8

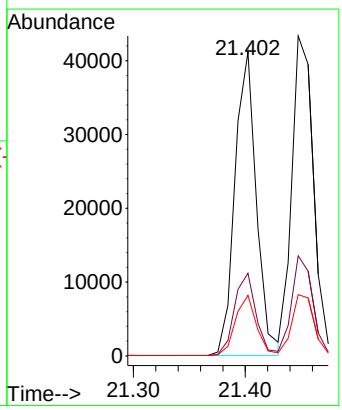


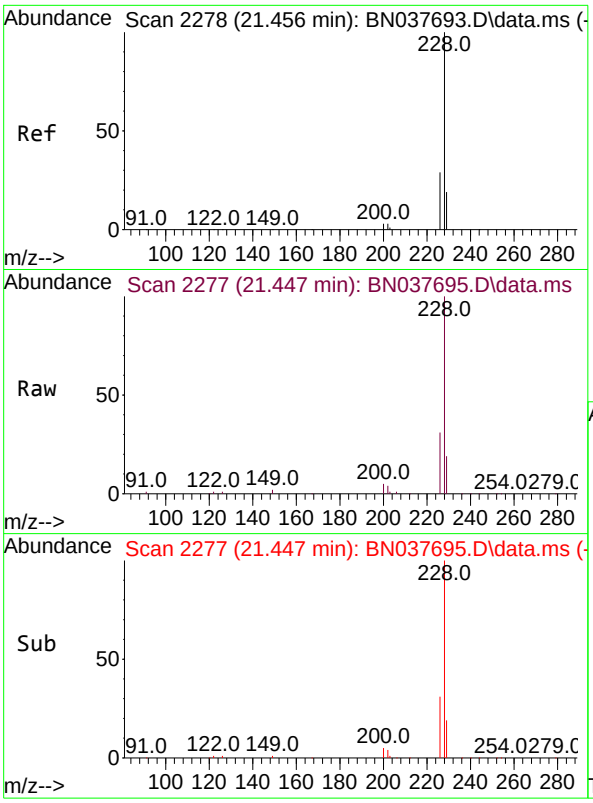


#32
Benzo(a)anthracene
Concen: 1.616 ng
RT: 21.402 min Scan# 2272
Delta R.T. 0.000 min
Lab File: BN037695.D
Acq: 11 Sep 2025 12:20

Tgt Ion:228 Resp: 54932

Ion	Ratio	Lower	Upper
228	100		
226	27.2	22.2	33.2
229	19.9	15.8	23.6



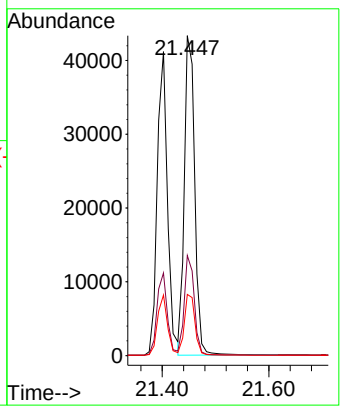


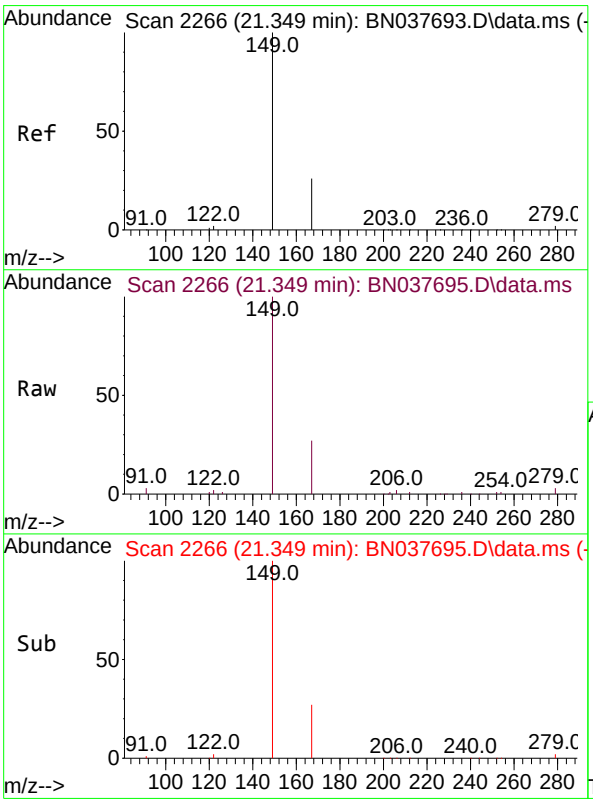
#33
Chrysene
Concen: 1.615 ng
RT: 21.447 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037695.D
Acq: 11 Sep 2025 12:20

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:228 Resp: 58866

Ion	Ratio	Lower	Upper
228	100		
226	31.3	23.5	35.3
229	19.1	15.9	23.9

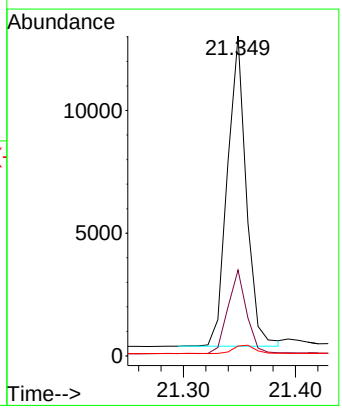


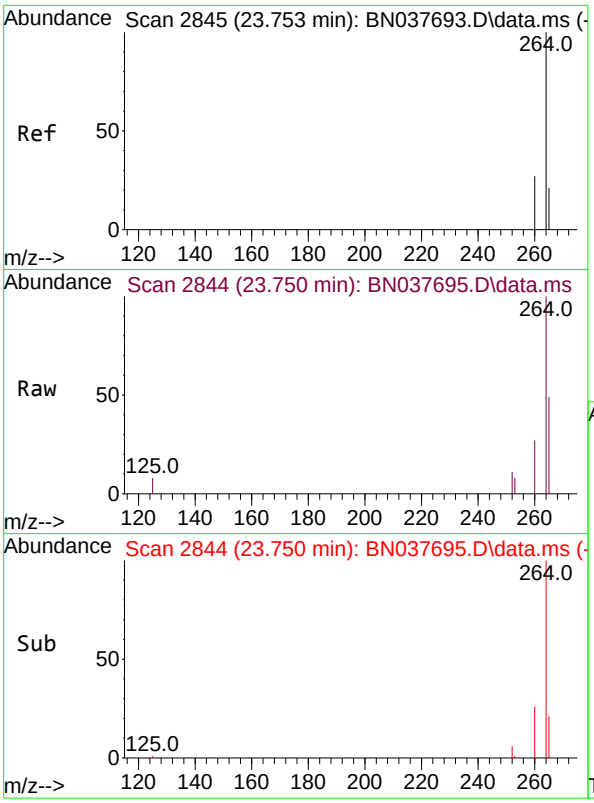


#34
Bis(2-ethylhexyl)phthalate
Concen: 1.470 ng
RT: 21.349 min Scan# 2266
Delta R.T. 0.000 min
Lab File: BN037695.D
Acq: 11 Sep 2025 12:20

Tgt Ion:149 Resp: 14814

Ion	Ratio	Lower	Upper
149	100		
167	26.6	20.8	31.2
279	3.2	3.3	4.9#



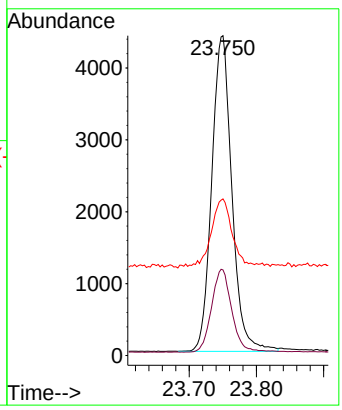


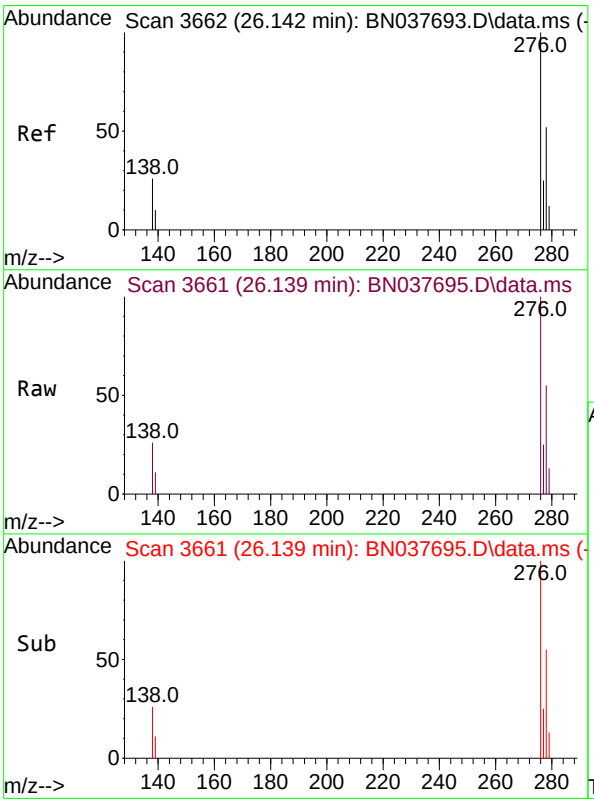
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.750 min Scan# 28
Delta R.T. -0.003 min
Lab File: BN037695.D
Acq: 11 Sep 2025 12:20

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:264 Resp: 9111

Ion	Ratio	Lower	Upper
264	100		
260	26.8	21.8	32.8
265	49.0	39.4	59.2

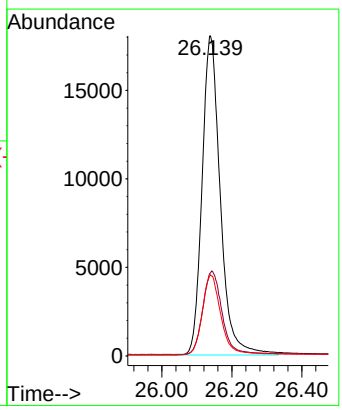


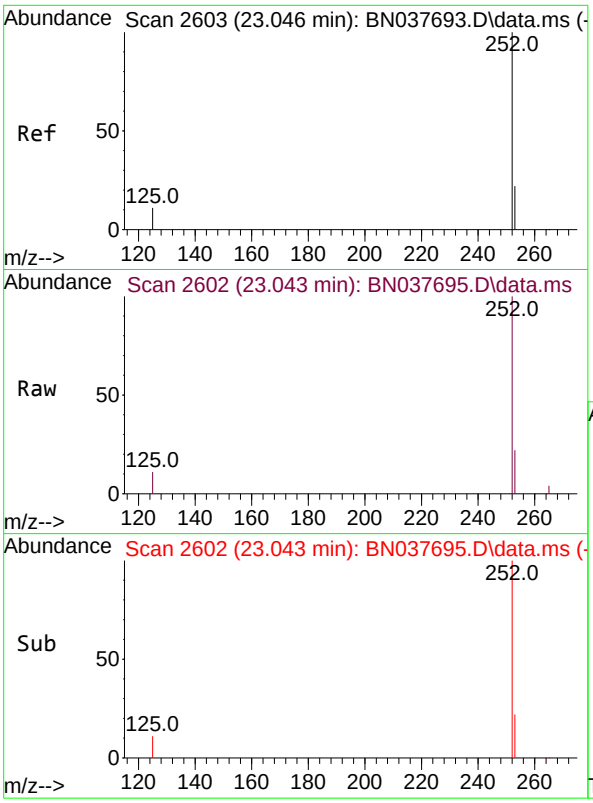


#36
Indeno(1,2,3-cd)pyrene
Concen: 1.705 ng
RT: 26.139 min Scan# 3661
Delta R.T. -0.003 min
Lab File: BN037695.D
Acq: 11 Sep 2025 12:20

Tgt Ion:276 Resp: 65254

Ion	Ratio	Lower	Upper
276	100		
138	27.5	21.9	32.9
277	25.2	20.1	30.1



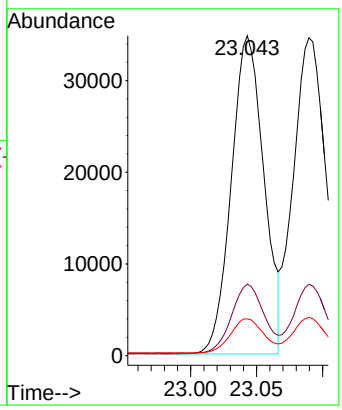


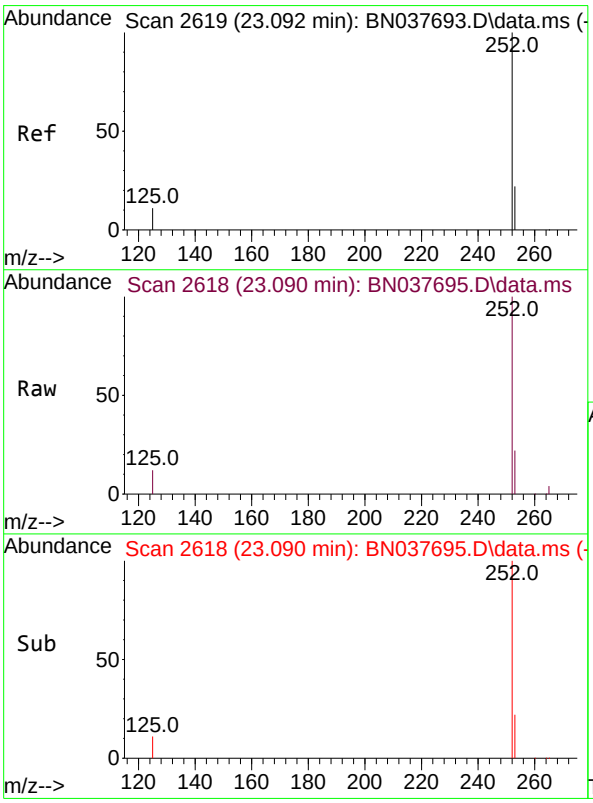
#37
Benzo(b)fluoranthene
Concen: 1.662 ng
RT: 23.043 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN037695.D
Acq: 11 Sep 2025 12:20

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:252 Resp: 59639

Ion	Ratio	Lower	Upper
252	100		
253	22.3	19.4	29.2
125	11.5	11.2	16.8

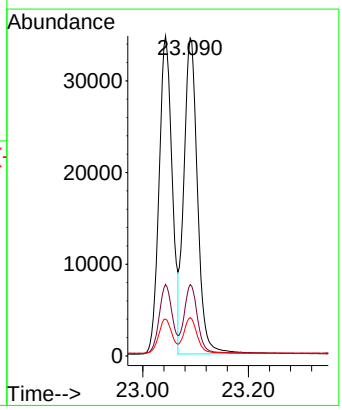


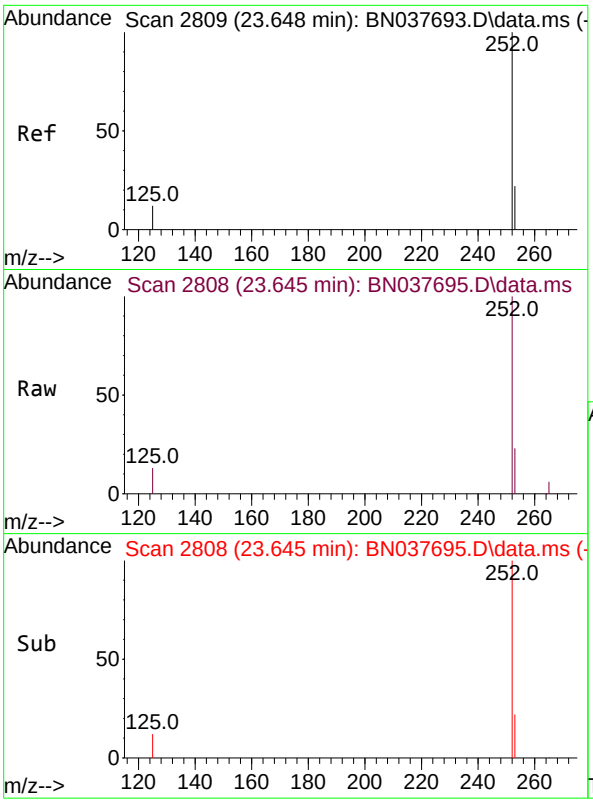


#38
Benzo(k)fluoranthene
Concen: 1.698 ng
RT: 23.090 min Scan# 2618
Delta R.T. -0.003 min
Lab File: BN037695.D
Acq: 11 Sep 2025 12:20

Tgt Ion:252 Resp: 62123

Ion	Ratio	Lower	Upper
252	100		
253	22.4	19.4	29.0
125	12.1	11.6	17.4



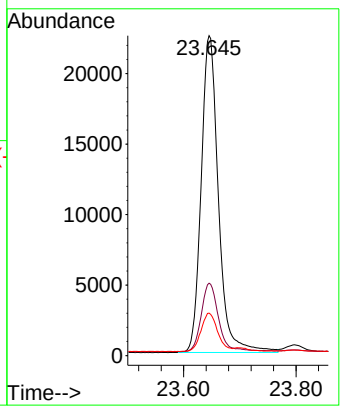


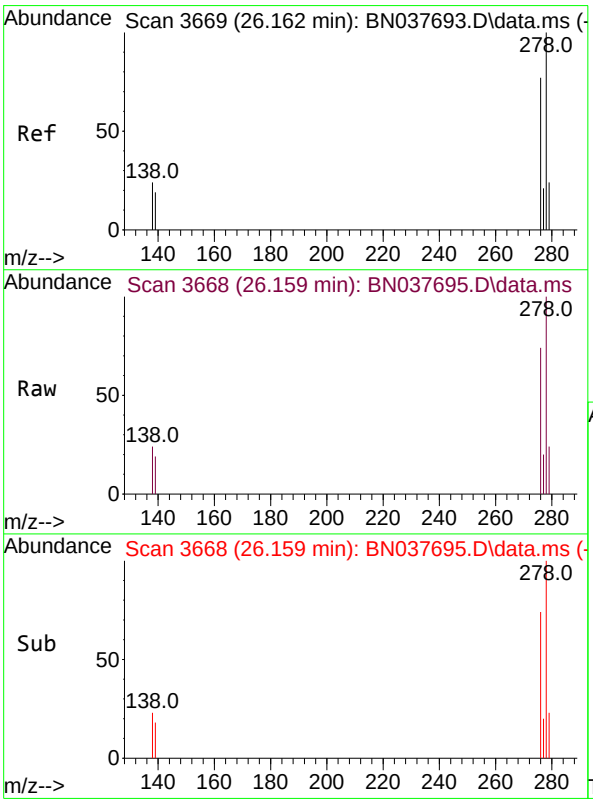
#39
Benzo(a)pyrene
Concen: 1.667 ng
RT: 23.645 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN037695.D
Acq: 11 Sep 2025 12:20

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:252 Resp: 47897

Ion	Ratio	Lower	Upper
252	100		
253	22.6	20.8	31.2
125	13.3	13.9	20.9#

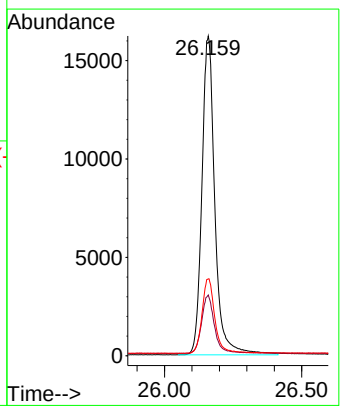


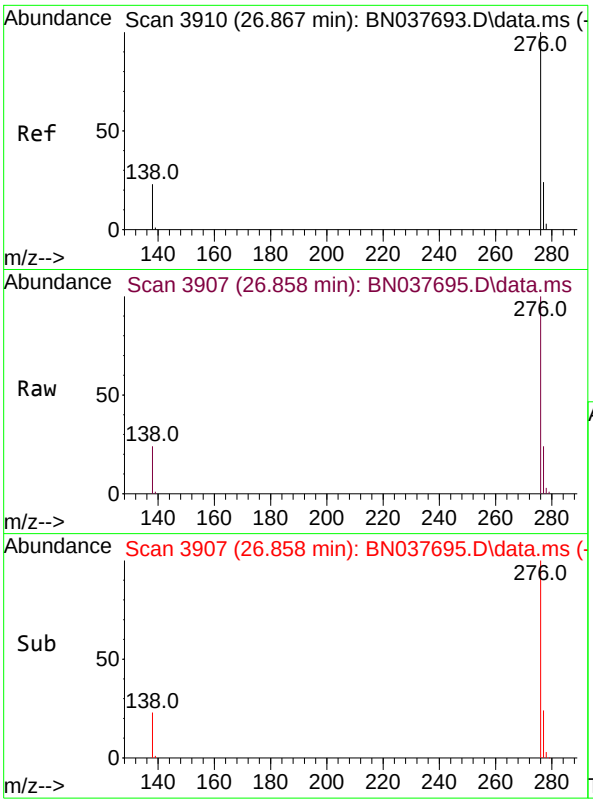


#40
Dibenzo(a,h)anthracene
Concen: 1.744 ng
RT: 26.159 min Scan# 3668
Delta R.T. -0.003 min
Lab File: BN037695.D
Acq: 11 Sep 2025 12:20

Tgt Ion:278 Resp: 53306

Ion	Ratio	Lower	Upper
278	100		
139	19.0	17.8	26.6
279	24.1	22.0	33.0



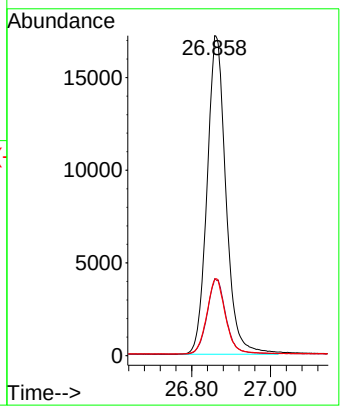


#41
Benzo(g,h,i)perylene
Concen: 1.666 ng
RT: 26.858 min Scan# 3
Delta R.T. -0.009 min
Lab File: BN037695.D
Acq: 11 Sep 2025 12:20

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:276 Resp: 57151

Ion	Ratio	Lower	Upper
276	100		
277	24.0	20.6	31.0
138	23.7	20.2	30.2



Quantitation Report (QT Reviewed)

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Data File : BN037696.D
Acq On : 11 Sep 2025 12:56
Operator : RC/JU
Sample : SSTDICC3.2
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Quant Time: Sep 11 14:07:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:02:44 2025
Response via : Initial Calibration

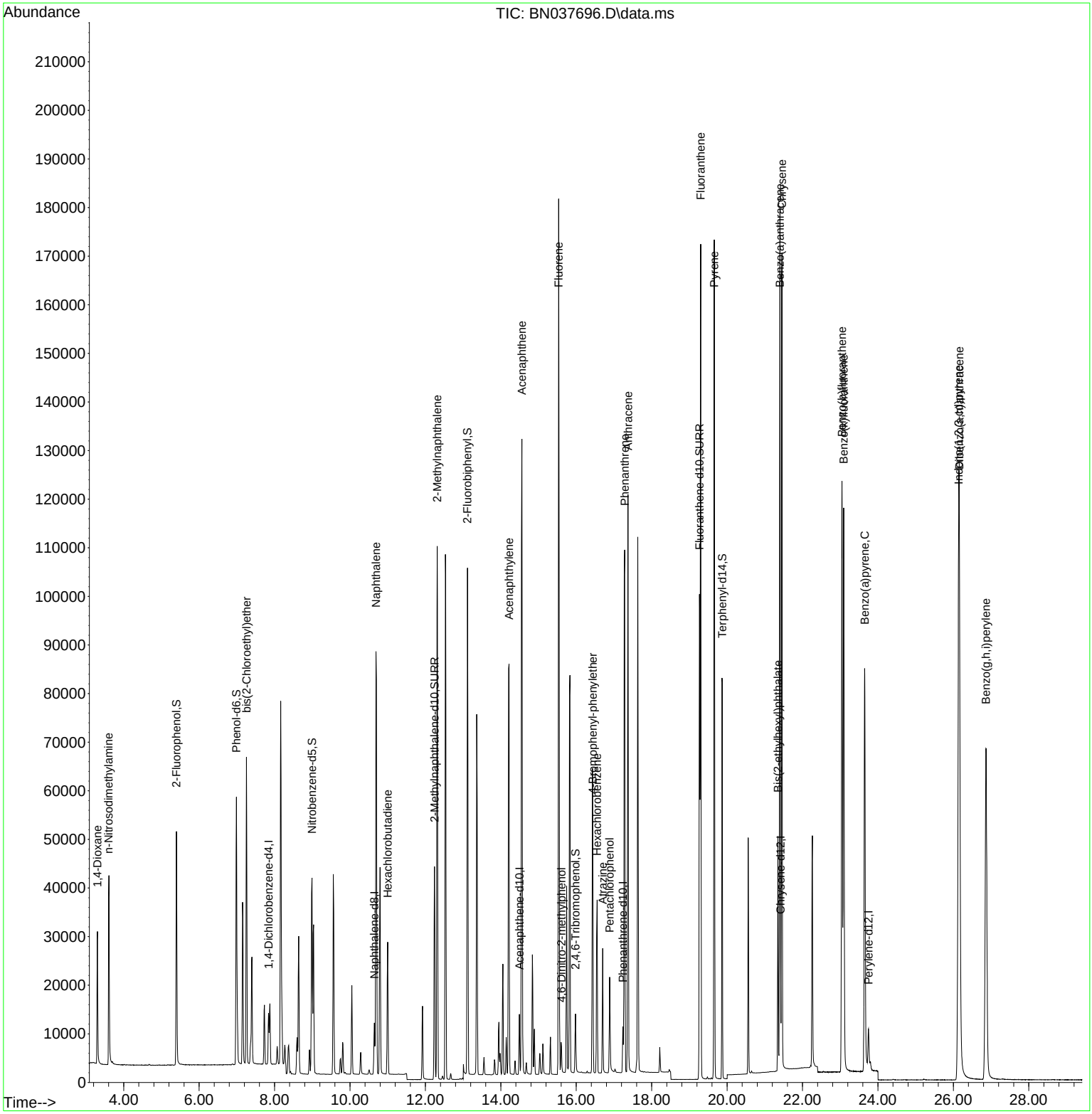
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.840	152	5084	0.400	ng		0.00
7) Naphthalene-d8	10.648	136	13375	0.400	ng		0.00
13) Acenaphthene-d10	14.495	164	6550	0.400	ng		0.00
19) Phenanthrene-d10	17.235	188	11925	0.400	ng		0.00
29) Chrysene-d12	21.420	240	12141	0.400	ng		0.00
35) Perylene-d12	23.750	264	11403	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.399	112	38119	3.266	ng		0.00
5) Phenol-d6	6.988	99	49810	3.291	ng		0.00
8) Nitrobenzene-d5	8.993	82	32423	3.314	ng		0.00
11) 2-Methylnaphthalene-d10	12.243	152	58810	3.319	ng		0.00
14) 2,4,6-Tribromophenol	15.982	330	6865	4.018	ng		0.00
15) 2-Fluorobiphenyl	13.115	172	87709	3.202	ng		0.00
27) Fluoranthene-d10	19.267	212	105719	3.531	ng		0.00
31) Terphenyl-d14	19.870	244	76156	3.090	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.304	88	16994	3.209	ng		98
3) n-Nitrosodimethylamine	3.601	42	22382	3.235	ng	#	95
6) bis(2-Chloroethyl)ether	7.255	93	43338	3.205	ng		100
9) Naphthalene	10.690	128	119338	3.264	ng		99
10) Hexachlorobutadiene	11.000	225	21272	3.216	ng	#	100
12) 2-Methylnaphthalene	12.314	142	76164	3.368	ng		99
16) Acenaphthylene	14.217	152	100382	3.342	ng		100
17) Acenaphthene	14.559	154	67901	3.343	ng		98
18) Fluorene	15.535	166	85576	3.479	ng		98
20) 4,6-Dinitro-2-methylph...	15.609	198	4427	4.008	ng	#	37
21) 4-Bromophenyl-phenylether	16.441	248	25659	3.300	ng		97
22) Hexachlorobenzene	16.553	284	28853	3.226	ng		99
23) Atrazine	16.702	200	18156	3.670	ng		96
24) Pentachlorophenol	16.888	266	9551	3.678	ng		97
25) Phenanthrene	17.285	178	125980	3.355	ng		100
26) Anthracene	17.372	178	116443	3.501	ng		100
28) Fluoranthene	19.299	202	150569	3.657	ng		100
30) Pyrene	19.661	202	149814	3.152	ng		100
32) Benzo(a)anthracene	21.402	228	141736	3.347	ng		99
33) Chrysene	21.456	228	146238	3.221	ng		100
34) Bis(2-ethylhexyl)phtha...	21.349	149	42504	3.385	ng	#	99
36) Indeno(1,2,3-cd)pyrene	26.139	276	170120	3.551	ng		100
37) Benzo(b)fluoranthene	23.046	252	152726	3.401	ng		94
38) Benzo(k)fluoranthene	23.092	252	154690	3.378	ng	#	94
39) Benzo(a)pyrene	23.648	252	124741	3.469	ng	#	90
40) Dibenzo(a,h)anthracene	26.159	278	138597	3.623	ng		92
41) Benzo(g,h,i)perylene	26.864	276	146601	3.415	ng		96

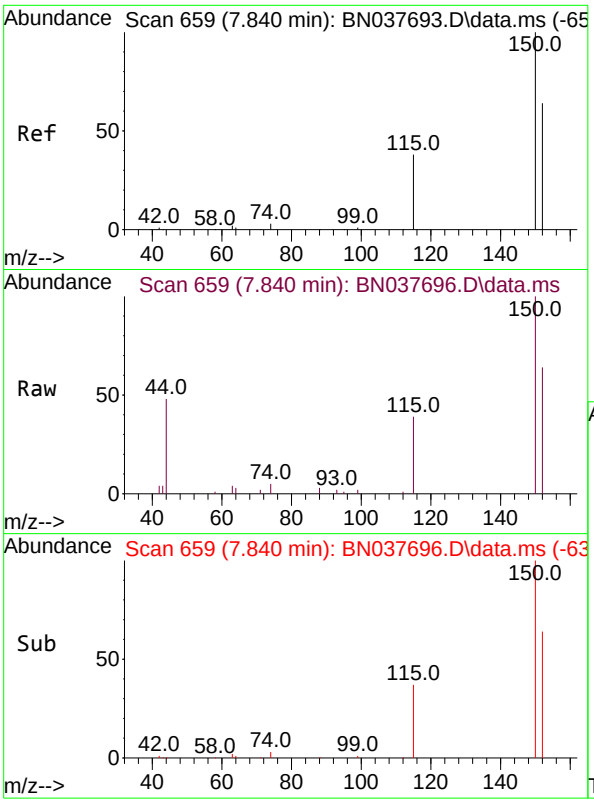
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091125\
Data File : BN037696.D
Acq On : 11 Sep 2025 12:56
Operator : RC/JU
Sample : SSTDICC3.2
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Quant Time: Sep 11 14:07:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:02:44 2025
Response via : Initial Calibration



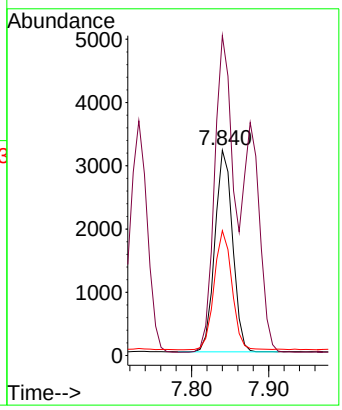


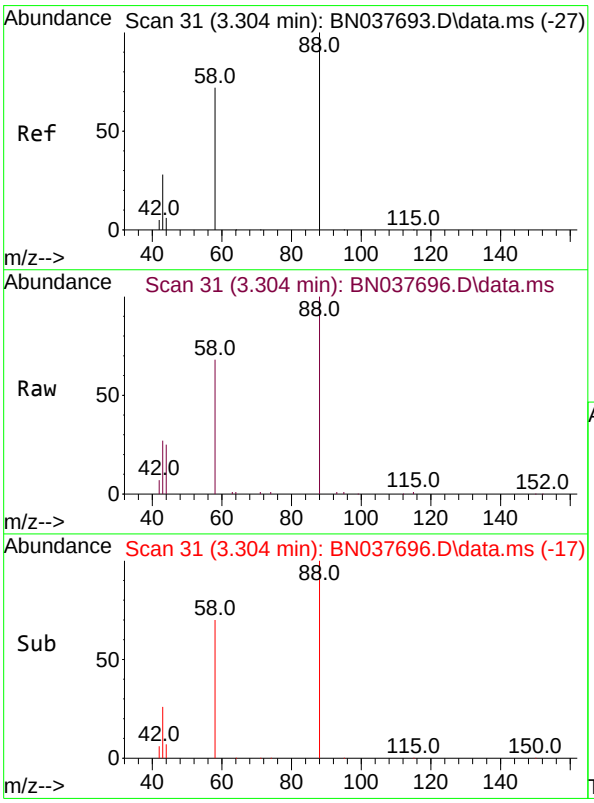
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.840 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN037696.D
Acq: 11 Sep 2025 12:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:152 Resp: 5084

Ion	Ratio	Lower	Upper
152	100		
150	155.9	124.5	186.7
115	60.8	49.2	73.8

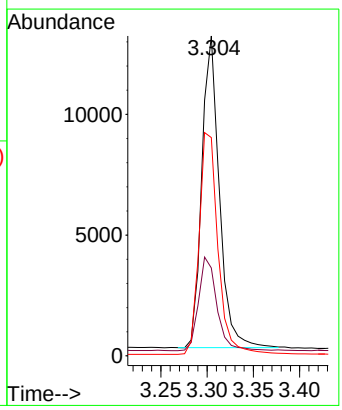


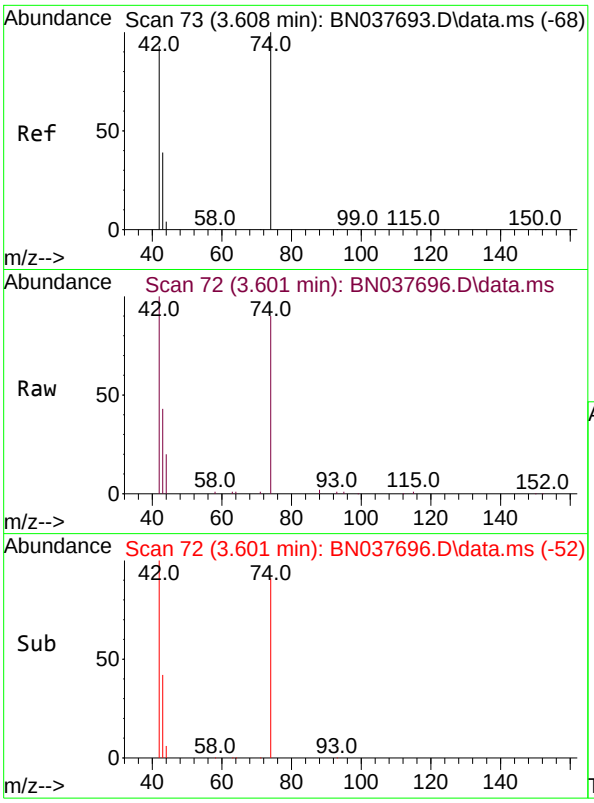


#2
1,4-Dioxane
Concen: 3.209 ng
RT: 3.304 min Scan# 31
Delta R.T. -0.000 min
Lab File: BN037696.D
Acq: 11 Sep 2025 12:56

Tgt Ion: 88 Resp: 16994

Ion	Ratio	Lower	Upper
88	100		
43	31.3	26.8	40.2
58	76.5	61.9	92.9



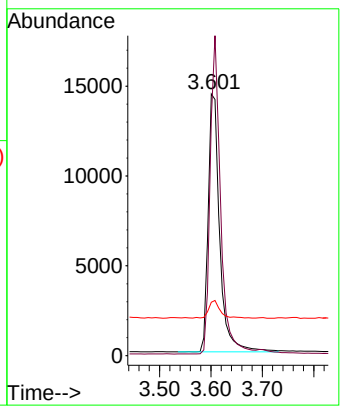


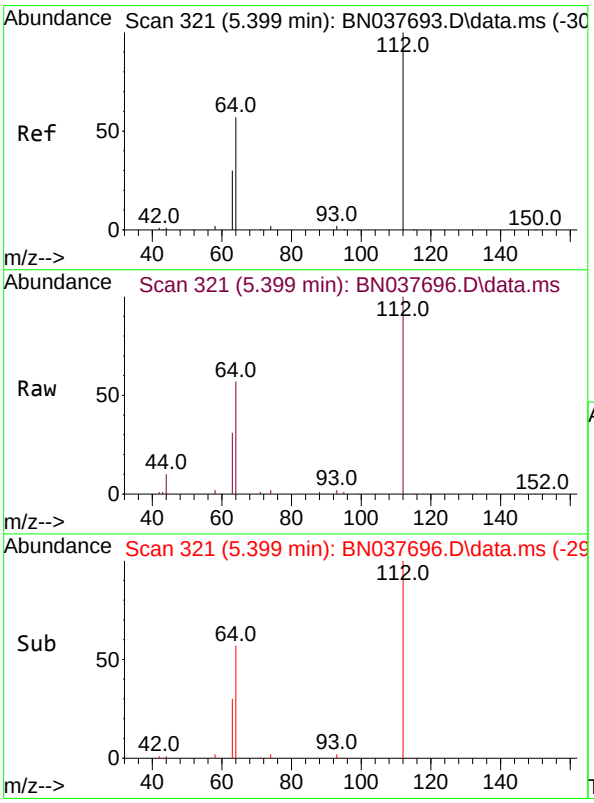
#3
n-Nitrosodimethylamine
Concen: 3.235 ng
RT: 3.601 min Scan# 7
Delta R.T. -0.007 min
Lab File: BN037696.D
Acq: 11 Sep 2025 12:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion: 42 Resp: 22382

Ion	Ratio	Lower	Upper
42	100		
74	112.2	86.0	129.0
44	6.7	8.4	12.6#

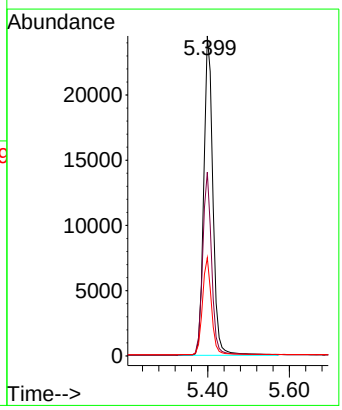


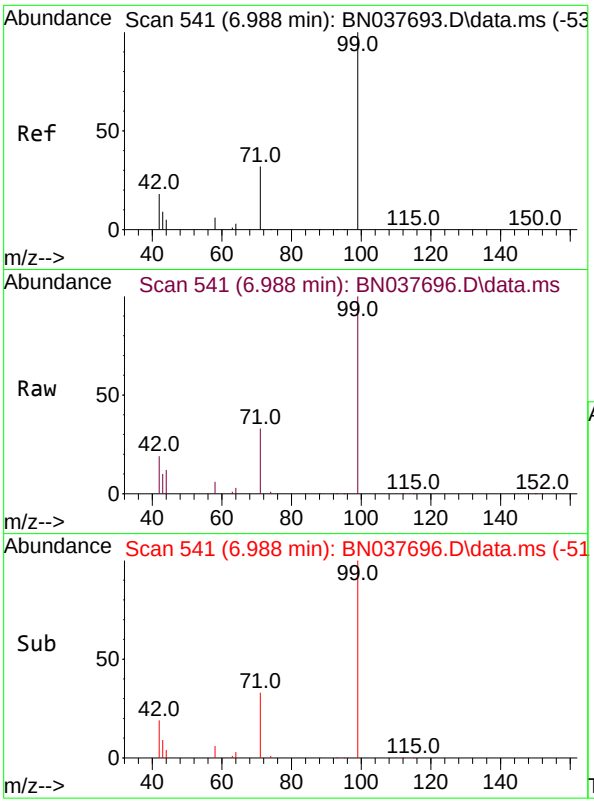


#4
2-Fluorophenol
Concen: 3.266 ng
RT: 5.399 min Scan# 321
Delta R.T. -0.000 min
Lab File: BN037696.D
Acq: 11 Sep 2025 12:56

Tgt Ion:112 Resp: 38119

Ion	Ratio	Lower	Upper
112	100		
64	56.4	44.9	67.3
63	29.6	24.7	37.1



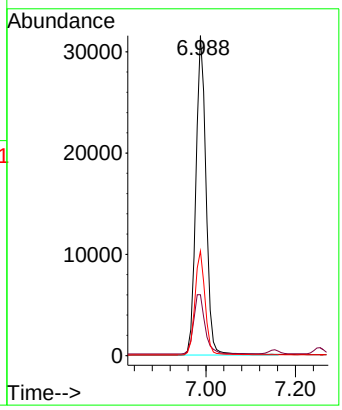


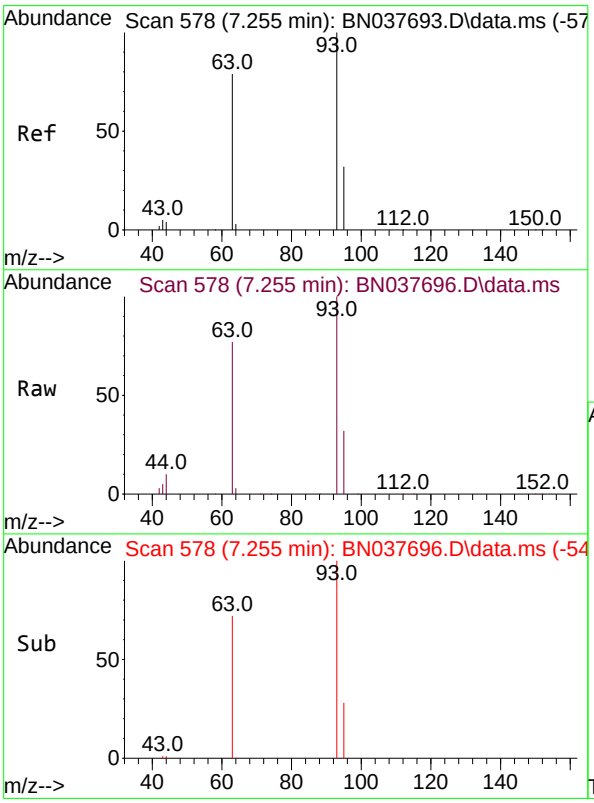
#5
Phenol-d6
Concen: 3.291 ng
RT: 6.988 min Scan# 54
Delta R.T. -0.000 min
Lab File: BN037696.D
Acq: 11 Sep 2025 12:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion: 99 Resp: 49810

Ion	Ratio	Lower	Upper
99	100		
42	21.0	16.6	24.8
71	32.5	26.7	40.1

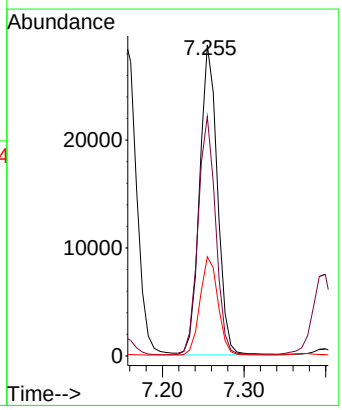


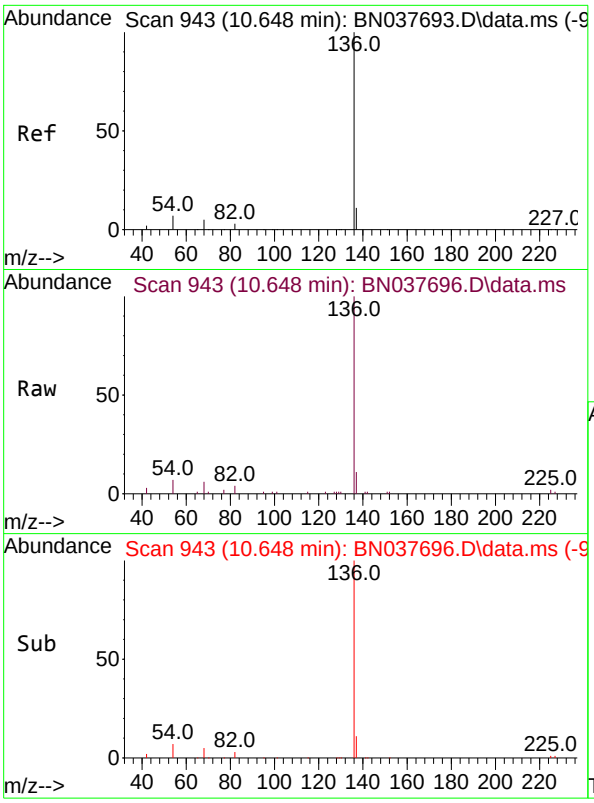


#6
bis(2-Chloroethyl)ether
Concen: 3.205 ng
RT: 7.255 min Scan# 578
Delta R.T. -0.000 min
Lab File: BN037696.D
Acq: 11 Sep 2025 12:56

Tgt Ion: 93 Resp: 43338

Ion	Ratio	Lower	Upper
93	100		
63	75.9	60.6	90.8
95	31.9	26.0	39.0



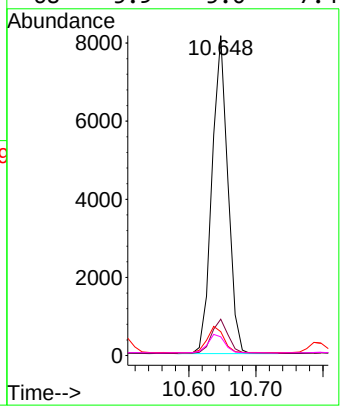


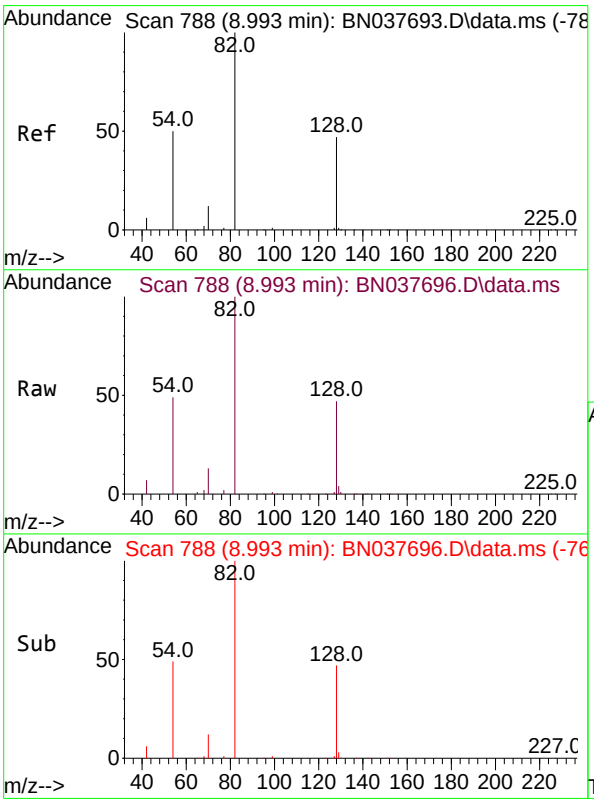
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.648 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN037696.D
Acq: 11 Sep 2025 12:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:136 Resp: 13375

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	7.5	6.3	9.5
68	5.9	5.0	7.4

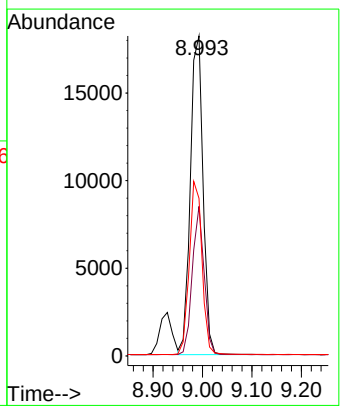


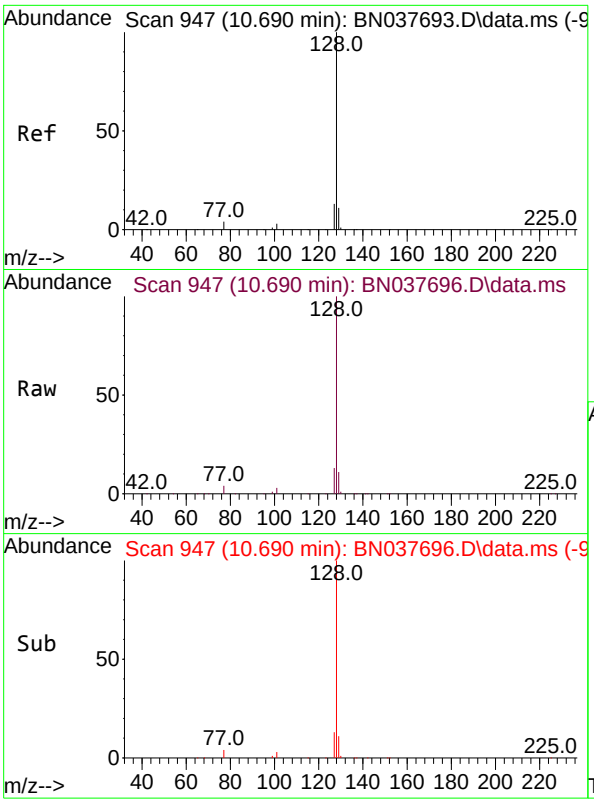


#8
Nitrobenzene-d5
Concen: 3.314 ng
RT: 8.993 min Scan# 788
Delta R.T. -0.000 min
Lab File: BN037696.D
Acq: 11 Sep 2025 12:56

Tgt Ion: 82 Resp: 32423

Ion	Ratio	Lower	Upper
82	100		
128	46.7	38.3	57.5
54	49.2	41.4	62.2



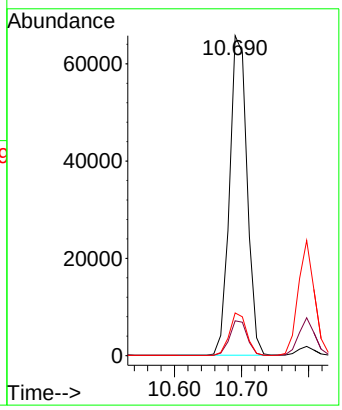


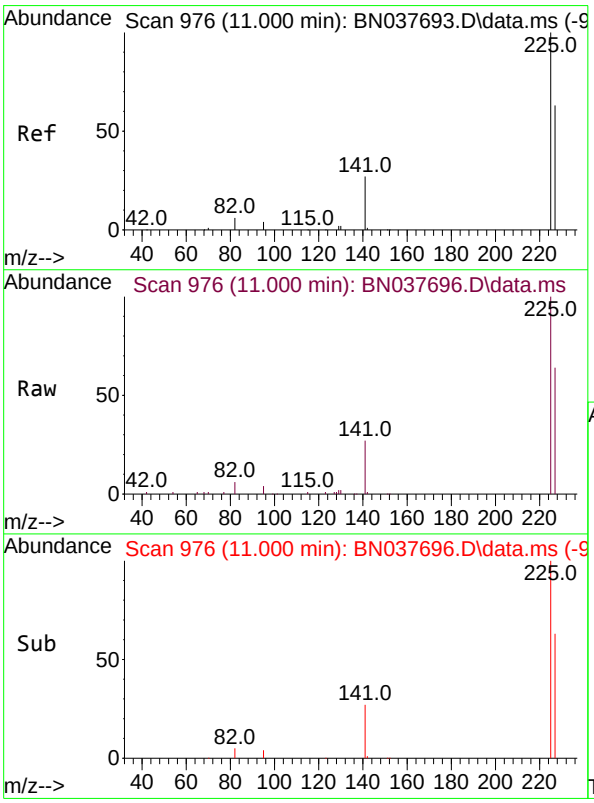
#9
Naphthalene
Concen: 3.264 ng
RT: 10.690 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN037696.D
Acq: 11 Sep 2025 12:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:128 Resp: 119338

Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.1	13.7
127	13.3	10.9	16.3

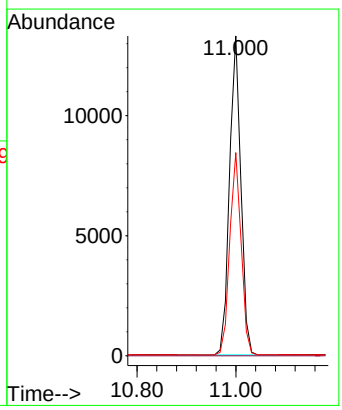


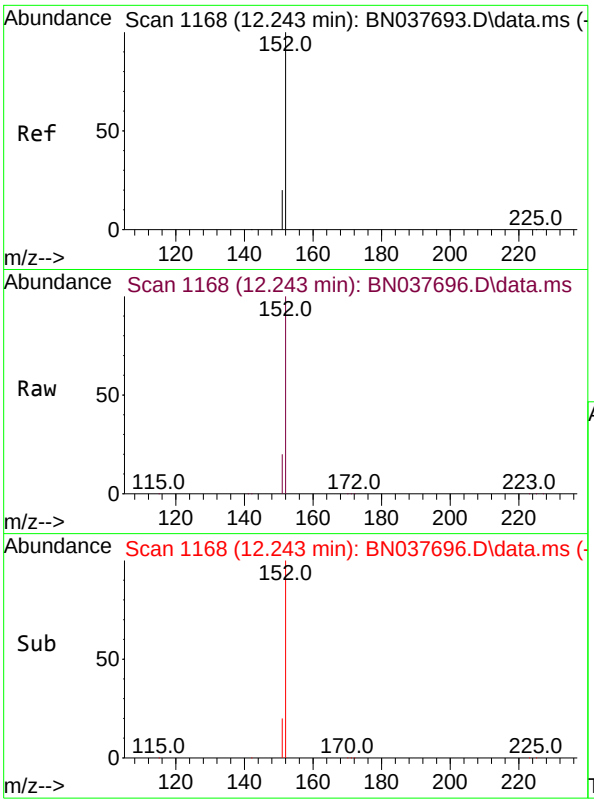


#10
Hexachlorobutadiene
Concen: 3.216 ng
RT: 11.000 min Scan# 976
Delta R.T. -0.000 min
Lab File: BN037696.D
Acq: 11 Sep 2025 12:56

Tgt Ion:225 Resp: 21272

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.5	50.9	76.3



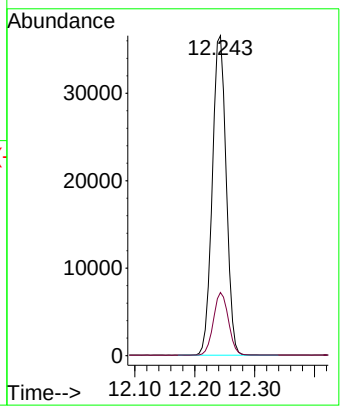


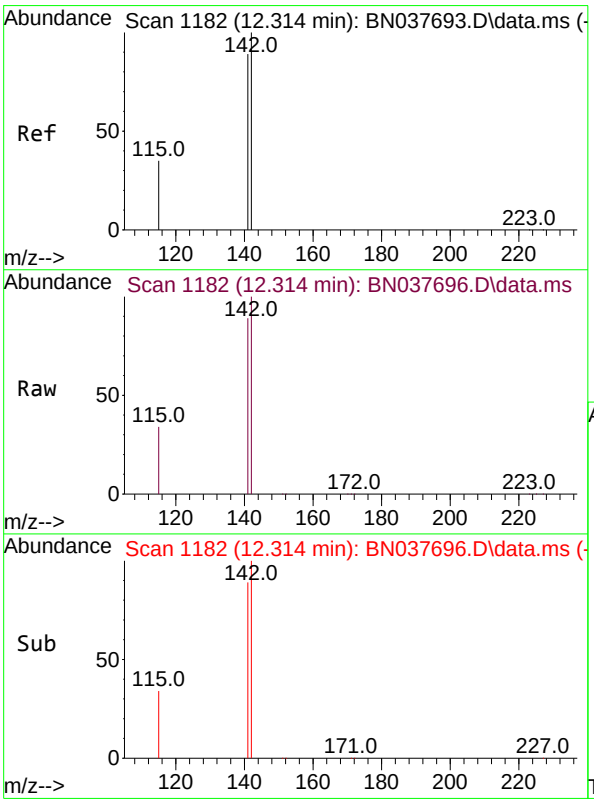
#11
2-Methylnaphthalene-d10
Concen: 3.319 ng
RT: 12.243 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN037696.D
Acq: 11 Sep 2025 12:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:152 Resp: 58810

Ion	Ratio	Lower	Upper
152	100		
151	21.2	17.0	25.6

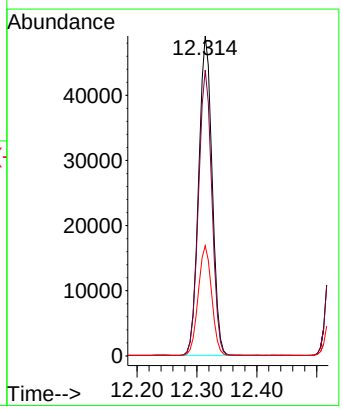


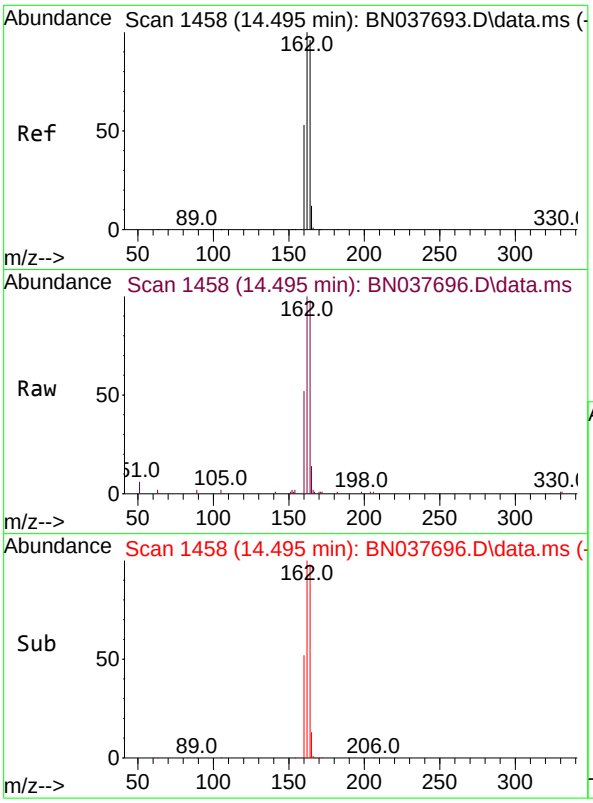


#12
2-Methylnaphthalene
Concen: 3.368 ng
RT: 12.314 min Scan# 1182
Delta R.T. -0.000 min
Lab File: BN037696.D
Acq: 11 Sep 2025 12:56

Tgt Ion:142 Resp: 76164

Ion	Ratio	Lower	Upper
142	100		
141	89.3	71.6	107.4
115	34.4	28.6	43.0



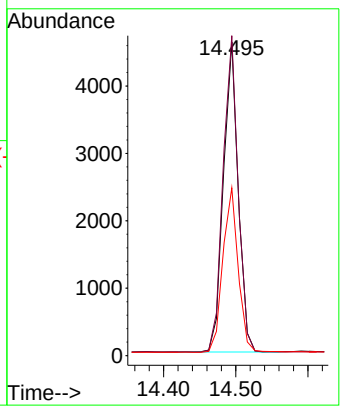


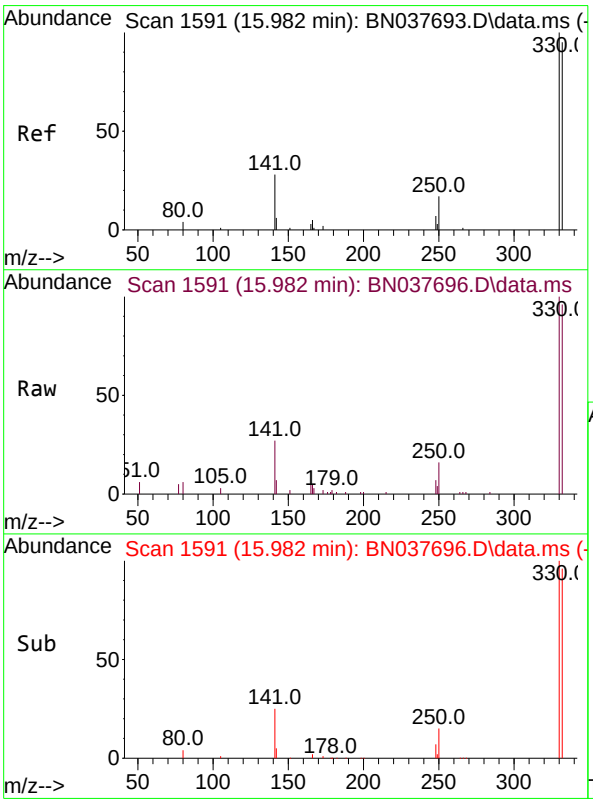
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.495 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN037696.D
Acq: 11 Sep 2025 12:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:164 Resp: 6550

Ion	Ratio	Lower	Upper
164	100		
162	102.0	83.1	124.7
160	53.5	44.3	66.5

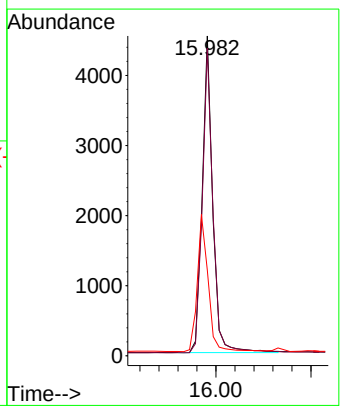


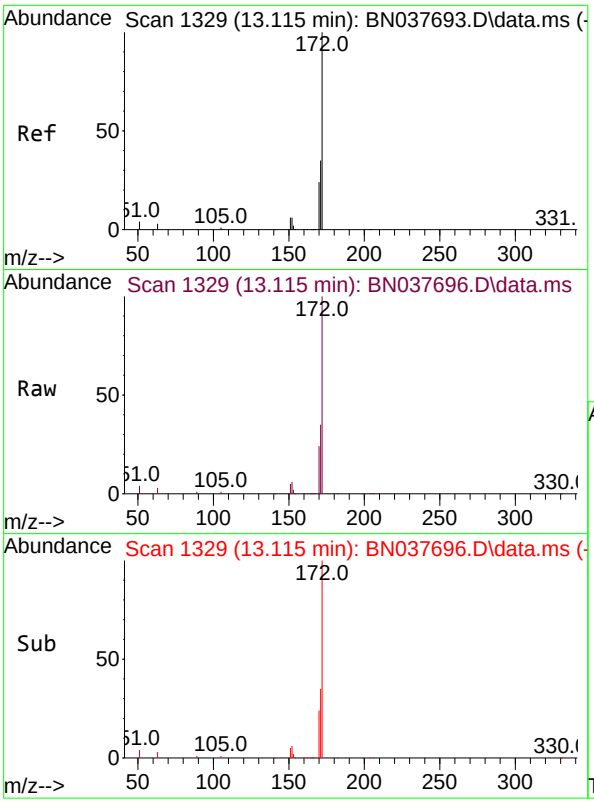


#14
2,4,6-Tribromophenol
Concen: 4.018 ng
RT: 15.982 min Scan# 1591
Delta R.T. -0.000 min
Lab File: BN037696.D
Acq: 11 Sep 2025 12:56

Tgt Ion:330 Resp: 6865

Ion	Ratio	Lower	Upper
330	100		
332	97.3	75.3	112.9
141	44.8	35.0	52.4



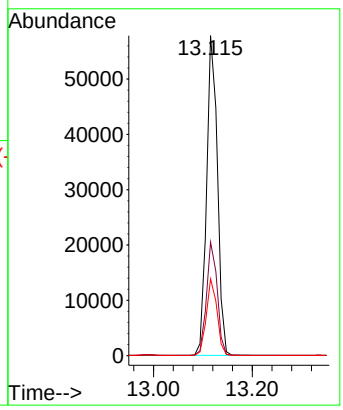


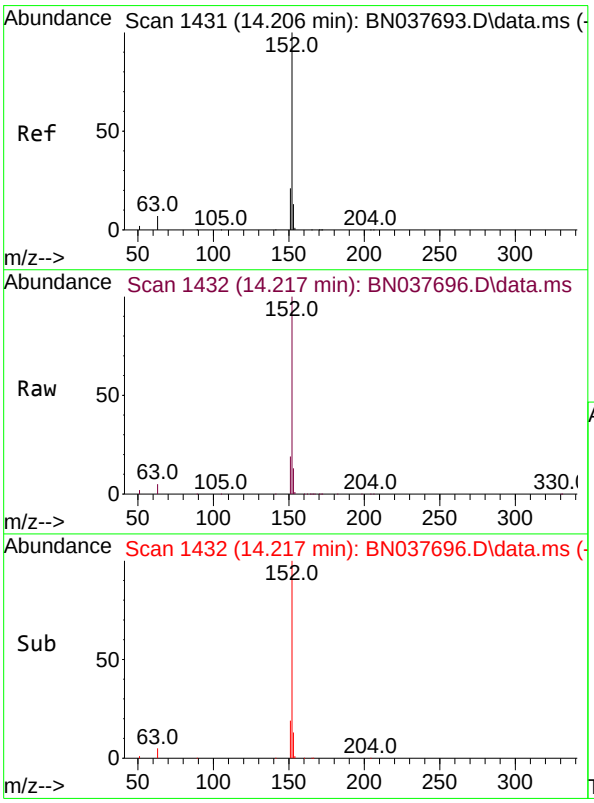
#15
2-Fluorobiphenyl
Concen: 3.202 ng
RT: 13.115 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037696.D
Acq: 11 Sep 2025 12:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:172 Resp: 87709

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.6	43.0
170	24.0	19.8	29.8

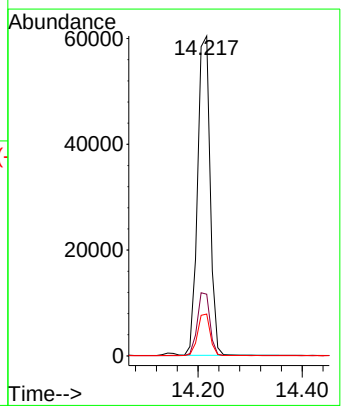


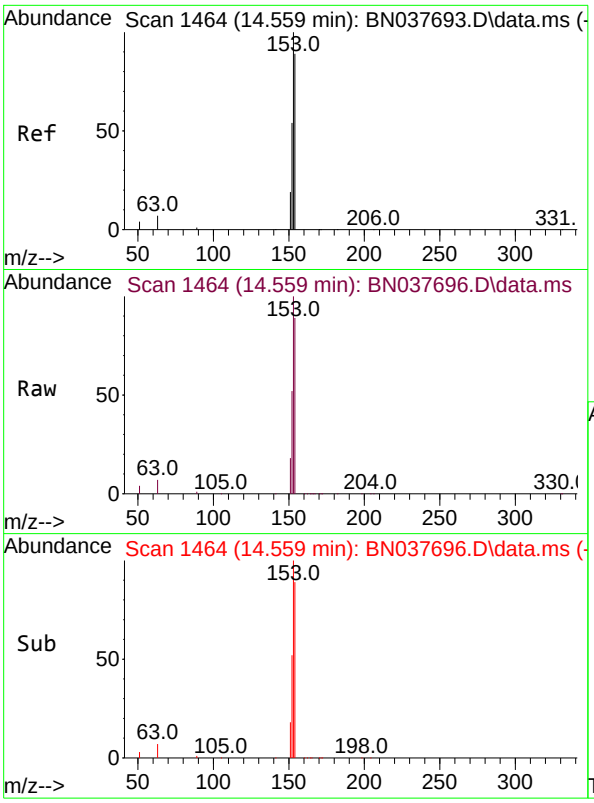


#16
Acenaphthylene
Concen: 3.342 ng
RT: 14.217 min Scan# 1432
Delta R.T. 0.011 min
Lab File: BN037696.D
Acq: 11 Sep 2025 12:56

Tgt Ion:152 Resp: 100382

Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.2	24.2
153	13.0	10.4	15.6



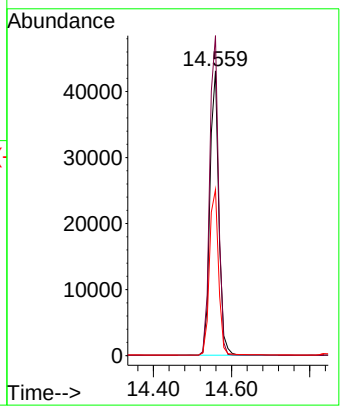


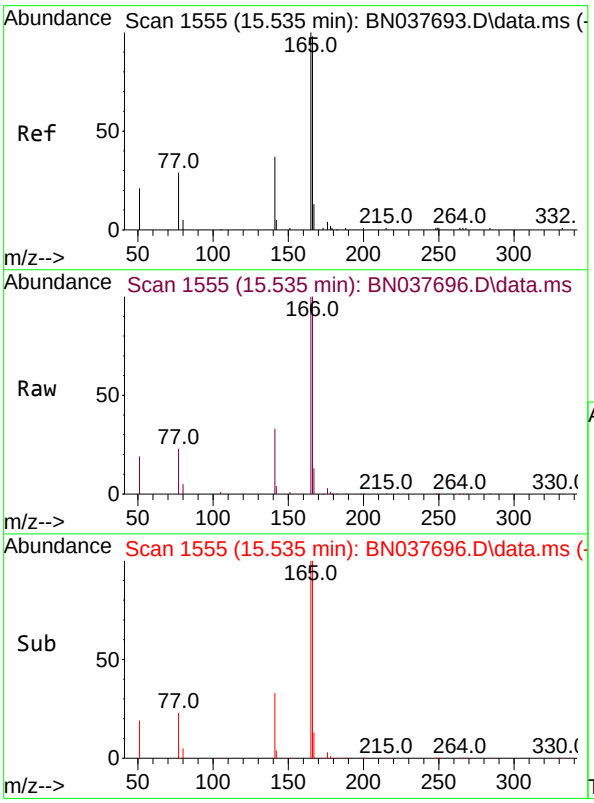
#17
Acenaphthene
Concen: 3.343 ng
RT: 14.559 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN037696.D
Acq: 11 Sep 2025 12:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:154 Resp: 67901

Ion	Ratio	Lower	Upper
154	100		
153	111.5	89.8	134.8
152	59.8	50.2	75.2

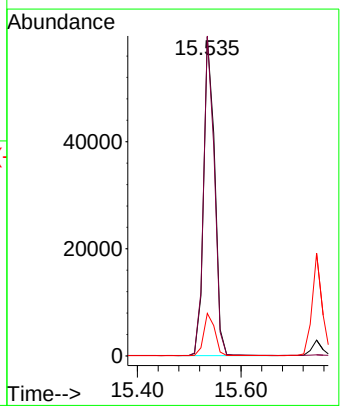


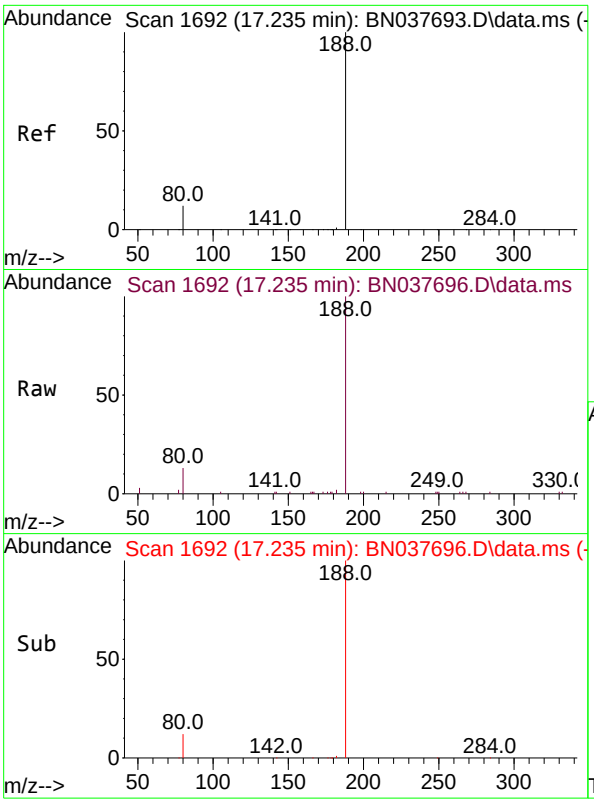


#18
Fluorene
Concen: 3.479 ng
RT: 15.535 min Scan# 1555
Delta R.T. -0.000 min
Lab File: BN037696.D
Acq: 11 Sep 2025 12:56

Tgt Ion:166 Resp: 85576

Ion	Ratio	Lower	Upper
166	100		
165	96.7	79.6	119.4
167	13.4	10.6	16.0



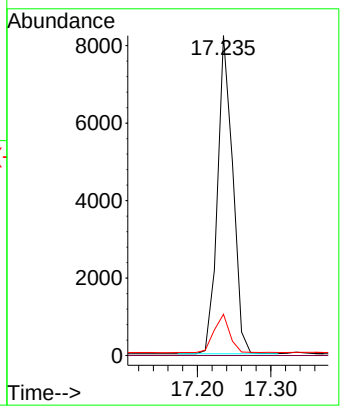


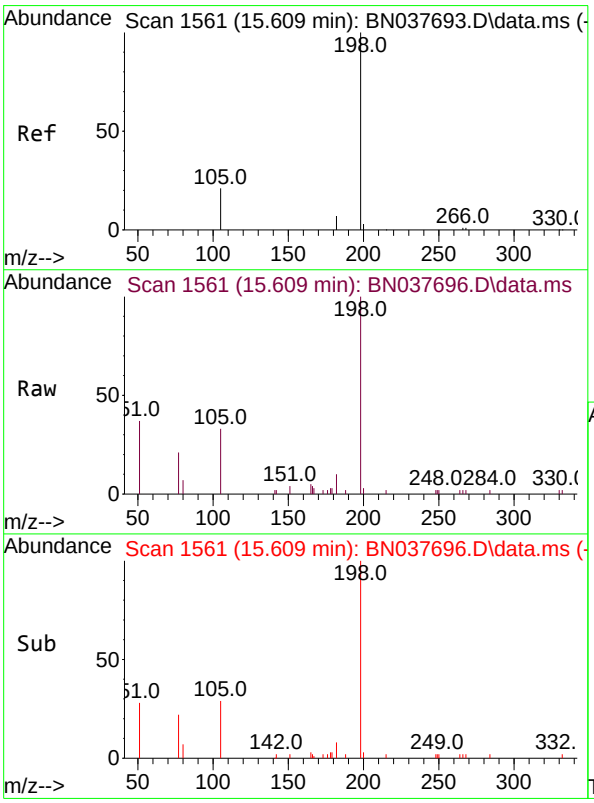
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.235 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037696.D
Acq: 11 Sep 2025 12:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:188 Resp: 11925

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	12.9	10.6	15.8

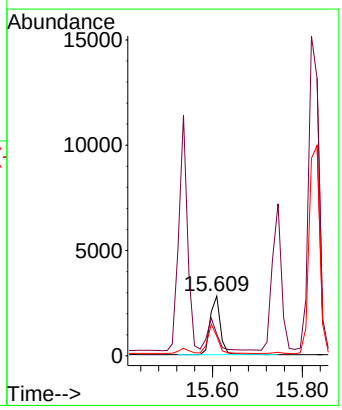


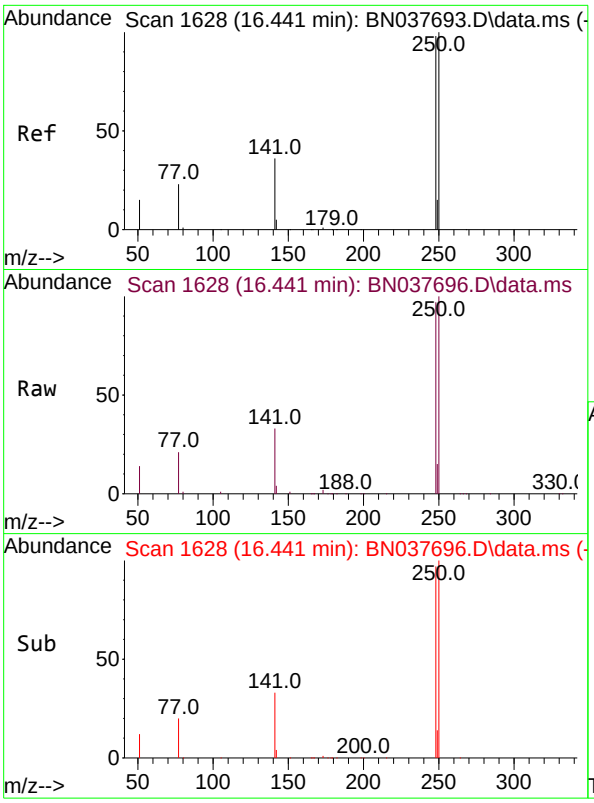


#20
4,6-Dinitro-2-methylphenol
Concen: 4.008 ng
RT: 15.609 min Scan# 1561
Delta R.T. 0.000 min
Lab File: BN037696.D
Acq: 11 Sep 2025 12:56

Tgt Ion:198 Resp: 4427

Ion	Ratio	Lower	Upper
198	100		
51	36.6	95.1	142.7#
105	32.9	53.8	80.6#



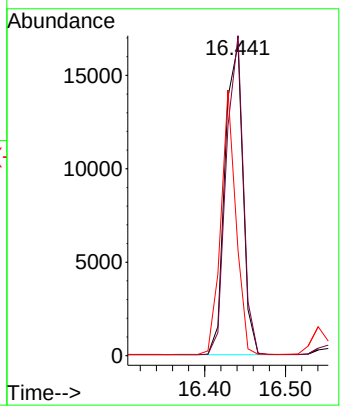


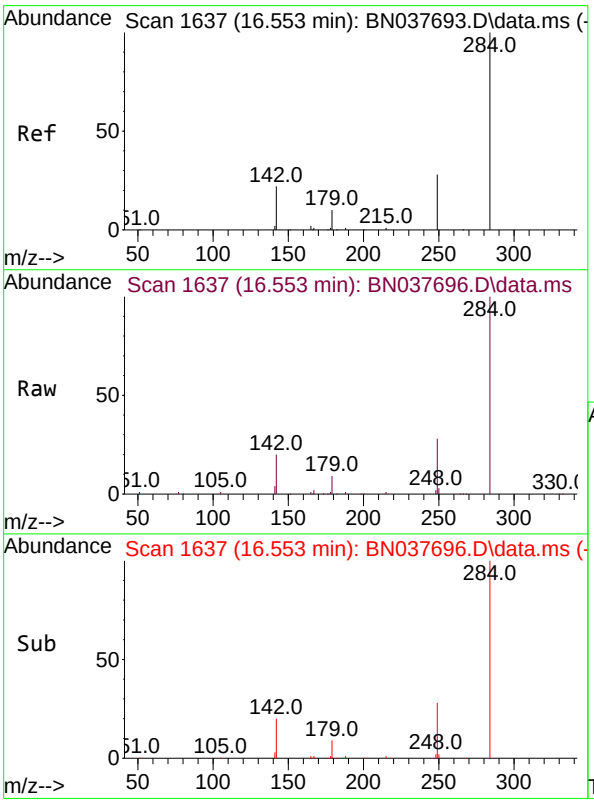
#21
4-Bromophenyl-phenylether
Concen: 3.300 ng
RT: 16.441 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN037696.D
Acq: 11 Sep 2025 12:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:248 Resp: 25659

Ion	Ratio	Lower	Upper
248	100		
250	102.8	81.5	122.3
141	33.7	30.8	46.2

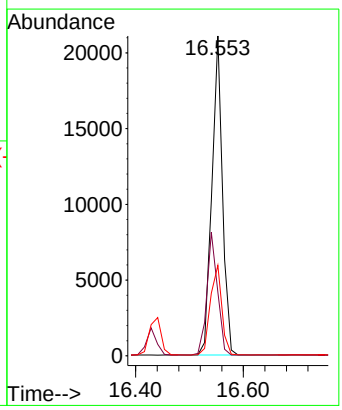


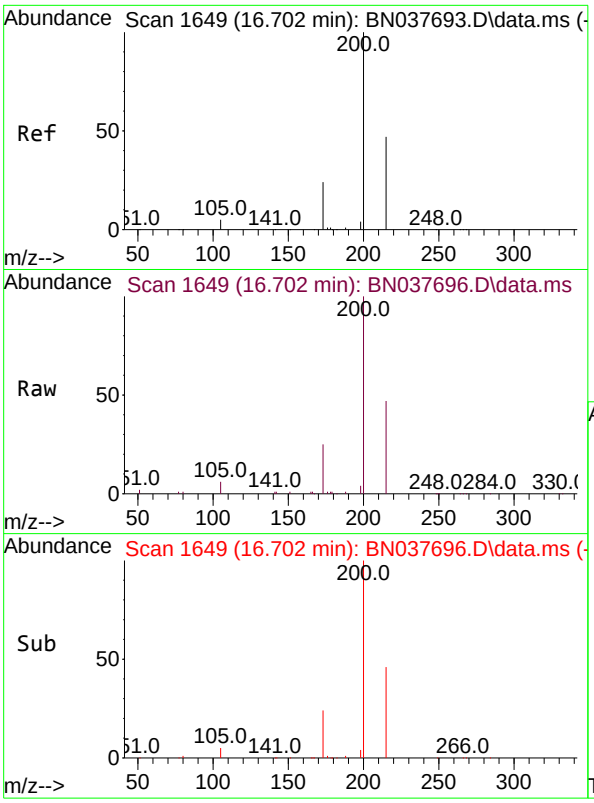


#22
Hexachlorobenzene
Concen: 3.226 ng
RT: 16.553 min Scan# 1637
Delta R.T. -0.000 min
Lab File: BN037696.D
Acq: 11 Sep 2025 12:56

Tgt Ion:284 Resp: 28853

Ion	Ratio	Lower	Upper
284	100		
142	38.5	30.9	46.3
249	30.4	24.8	37.2



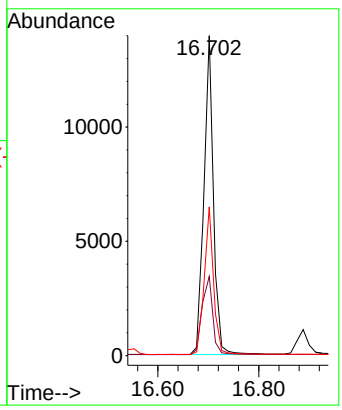


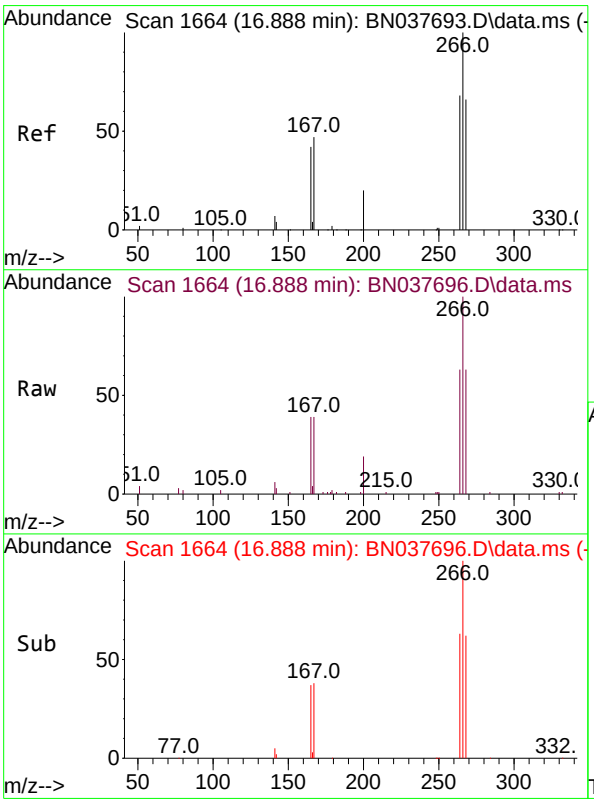
#23
Atrazine
Concen: 3.670 ng
RT: 16.702 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037696.D
Acq: 11 Sep 2025 12:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:200 Resp: 18156

Ion	Ratio	Lower	Upper
200	100		
173	24.7	21.4	32.2
215	46.5	39.2	58.8

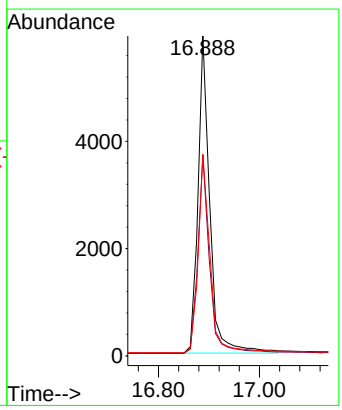


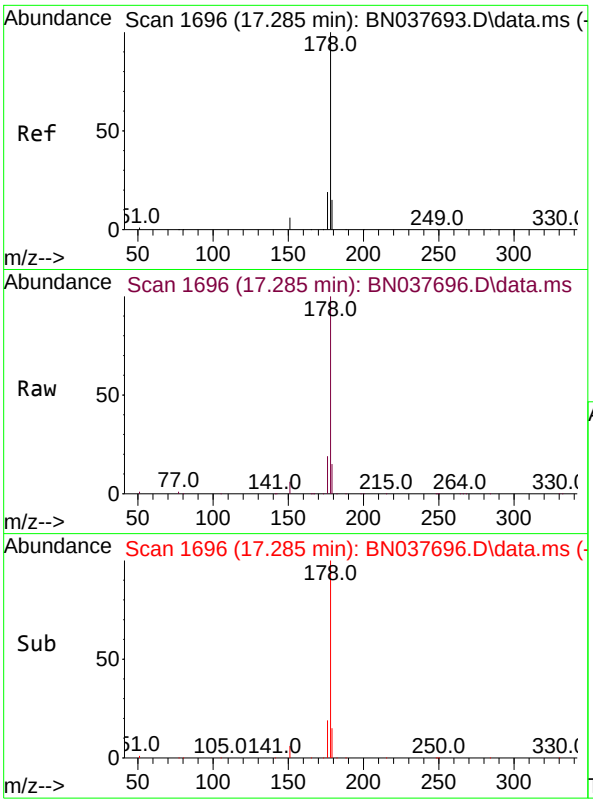


#24
Pentachlorophenol
Concen: 3.678 ng
RT: 16.888 min Scan# 1664
Delta R.T. -0.000 min
Lab File: BN037696.D
Acq: 11 Sep 2025 12:56

Tgt Ion:266 Resp: 9551

Ion	Ratio	Lower	Upper
266	100		
264	62.5	51.6	77.4
268	63.4	53.2	79.8



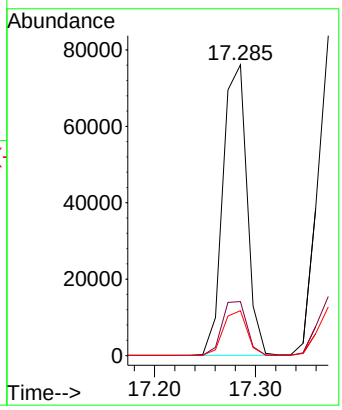


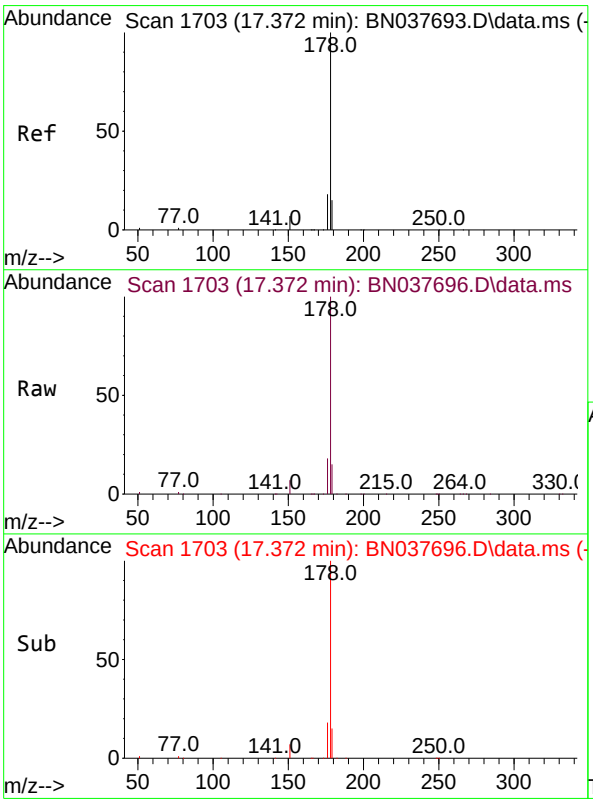
#25
Phenanthrene
Concen: 3.355 ng
RT: 17.285 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037696.D
Acq: 11 Sep 2025 12:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:178 Resp: 125980

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.3	22.9
179	15.2	12.2	18.2

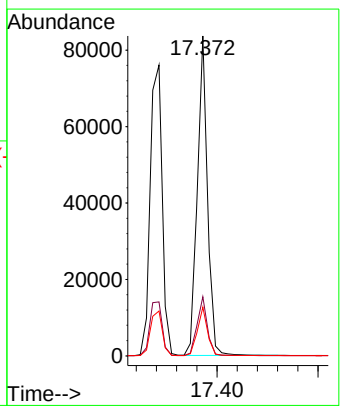


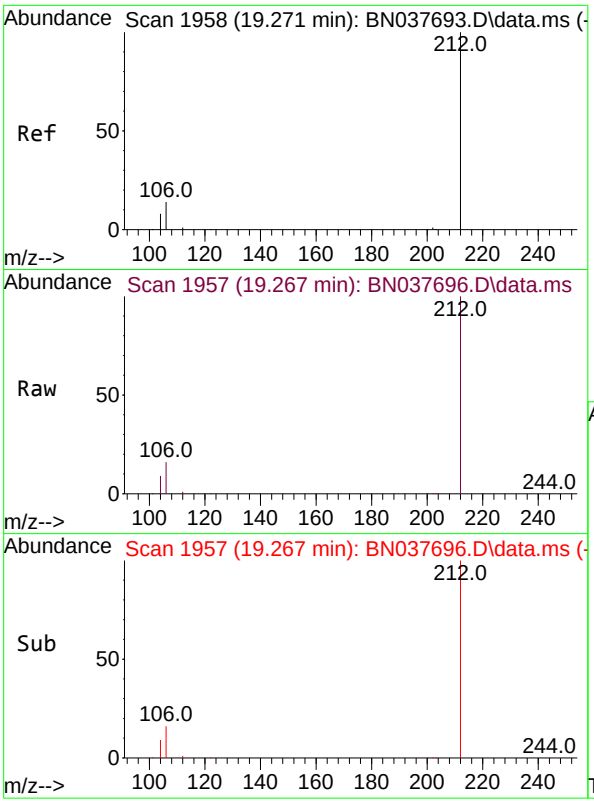


#26
Anthracene
Concen: 3.501 ng
RT: 17.372 min Scan# 1703
Delta R.T. -0.000 min
Lab File: BN037696.D
Acq: 11 Sep 2025 12:56

Tgt Ion:178 Resp: 116443

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.6	22.0
179	15.2	12.2	18.4



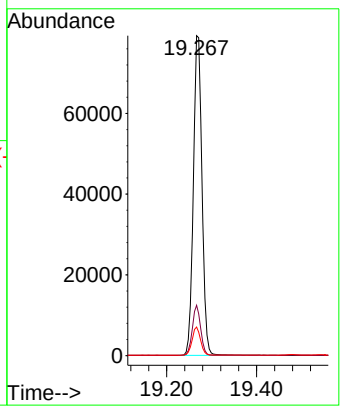


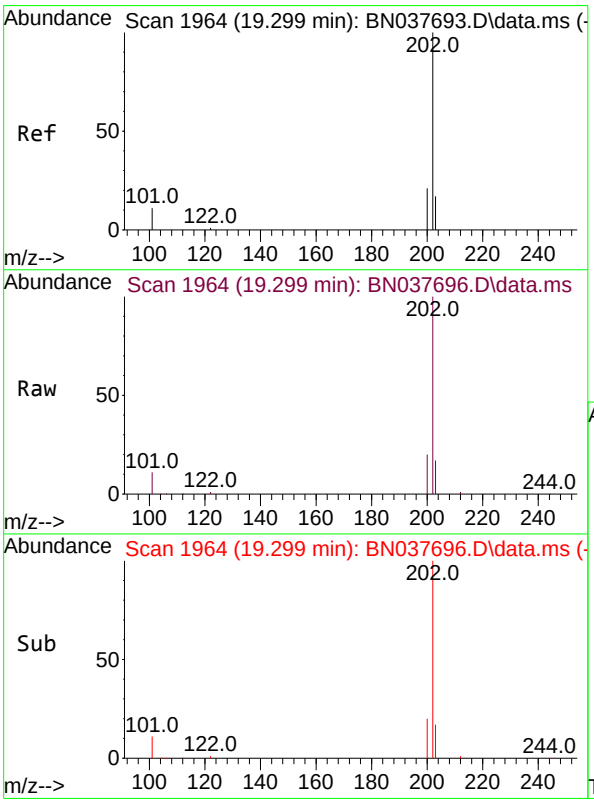
#27
Fluoranthene-d10
Concen: 3.531 ng
RT: 19.267 min Scan# 19
Delta R.T. -0.005 min
Lab File: BN037696.D
Acq: 11 Sep 2025 12:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:212 Resp: 105719

Ion	Ratio	Lower	Upper
212	100		
106	15.0	12.2	18.2
104	8.5	6.9	10.3

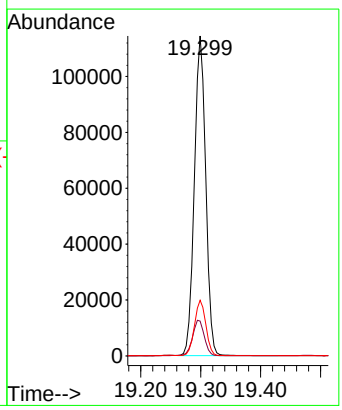


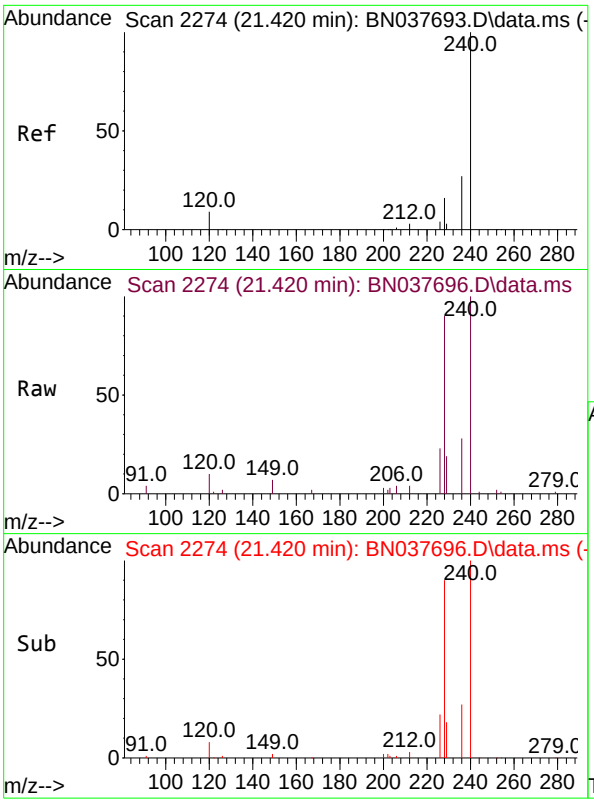


#28
Fluoranthene
Concen: 3.657 ng
RT: 19.299 min Scan# 1964
Delta R.T. -0.000 min
Lab File: BN037696.D
Acq: 11 Sep 2025 12:56

Tgt Ion:202 Resp: 150569

Ion	Ratio	Lower	Upper
202	100		
101	11.5	9.3	13.9
203	17.3	13.7	20.5



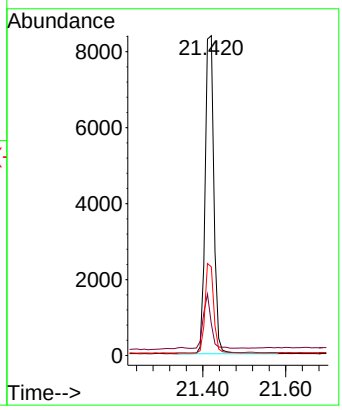


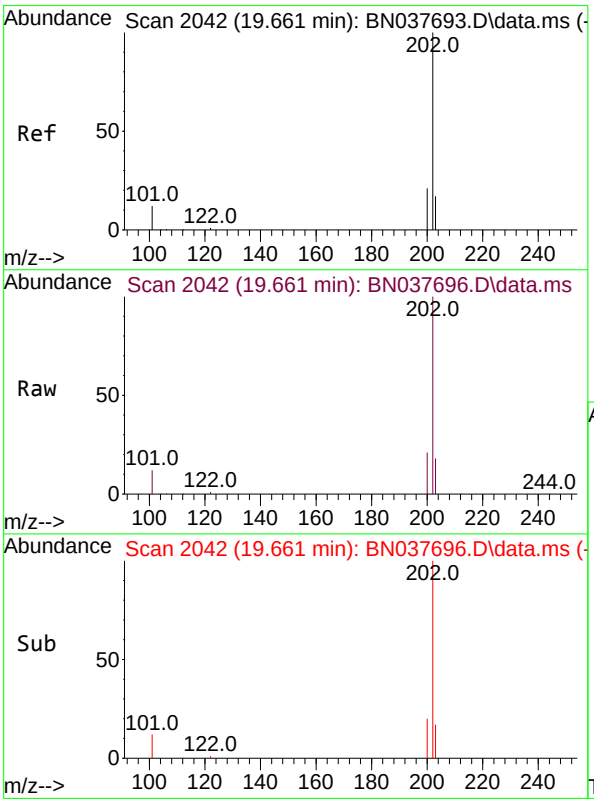
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.420 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037696.D
Acq: 11 Sep 2025 12:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:240 Resp: 12141

Ion	Ratio	Lower	Upper
240	100		
120	9.9	9.2	13.8
236	27.7	22.6	33.8

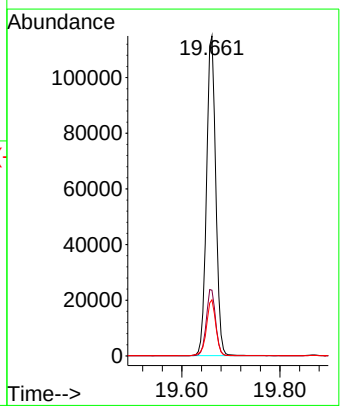


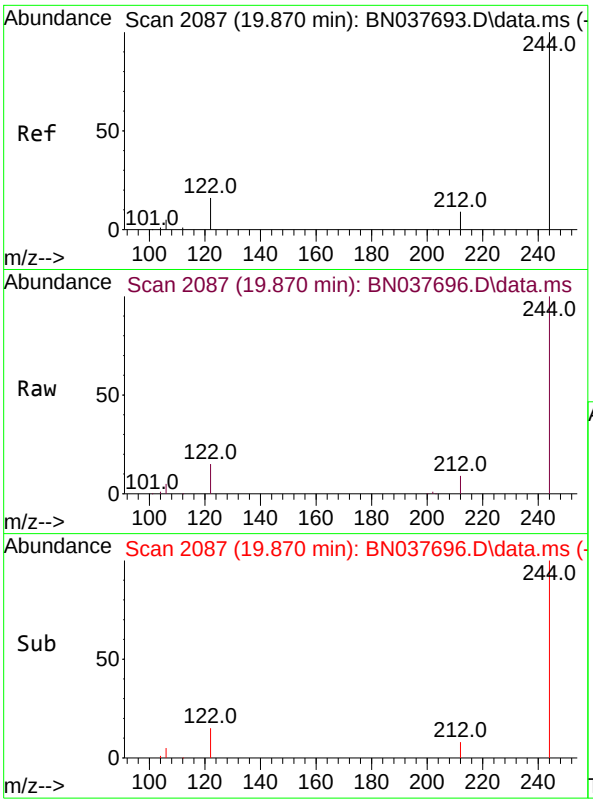


#30
Pyrene
Concen: 3.152 ng
RT: 19.661 min Scan# 2042
Delta R.T. -0.000 min
Lab File: BN037696.D
Acq: 11 Sep 2025 12:56

Tgt Ion:202 Resp: 149814

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.8	25.2
203	17.7	14.3	21.5



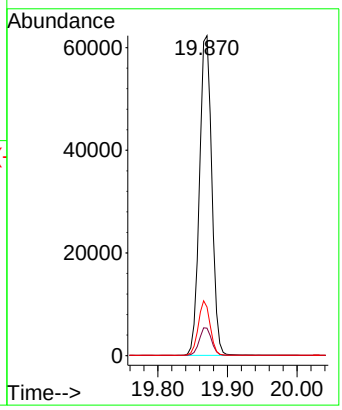


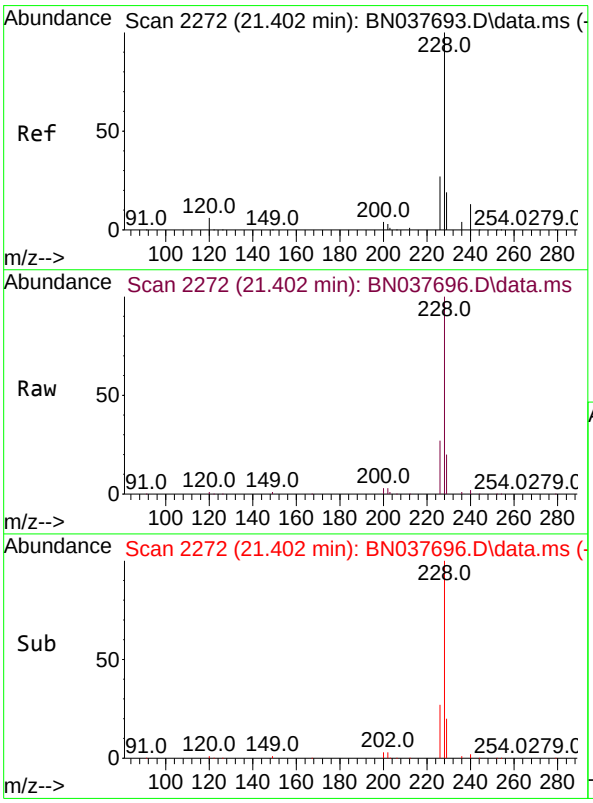
#31
Terphenyl-d14
Concen: 3.090 ng
RT: 19.870 min Scan# 20
Delta R.T. -0.000 min
Lab File: BN037696.D
Acq: 11 Sep 2025 12:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:244 Resp: 76156

Ion	Ratio	Lower	Upper
244	100		
212	8.6	7.5	11.3
122	15.2	13.2	19.8

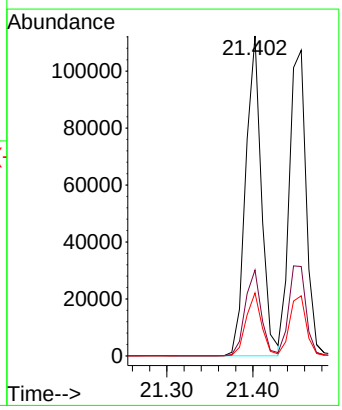


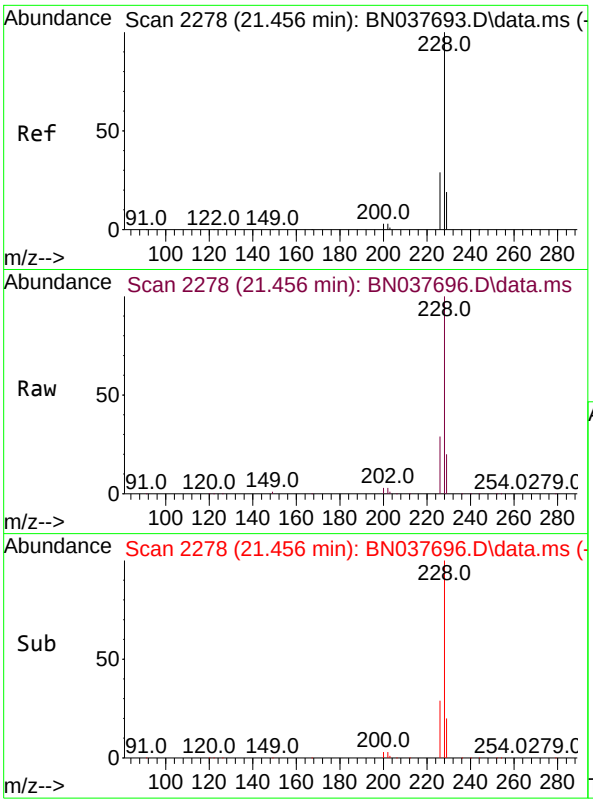


#32
Benzo(a)anthracene
Concen: 3.347 ng
RT: 21.402 min Scan# 2272
Delta R.T. -0.000 min
Lab File: BN037696.D
Acq: 11 Sep 2025 12:56

Tgt Ion:228 Resp: 141736

Ion	Ratio	Lower	Upper
228	100		
226	26.8	22.2	33.2
229	19.7	15.8	23.6



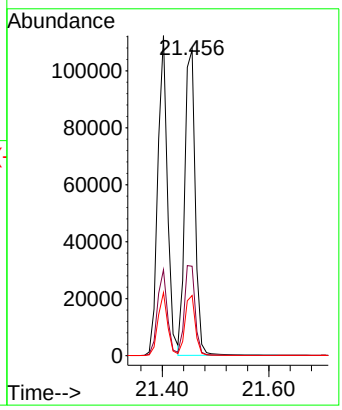


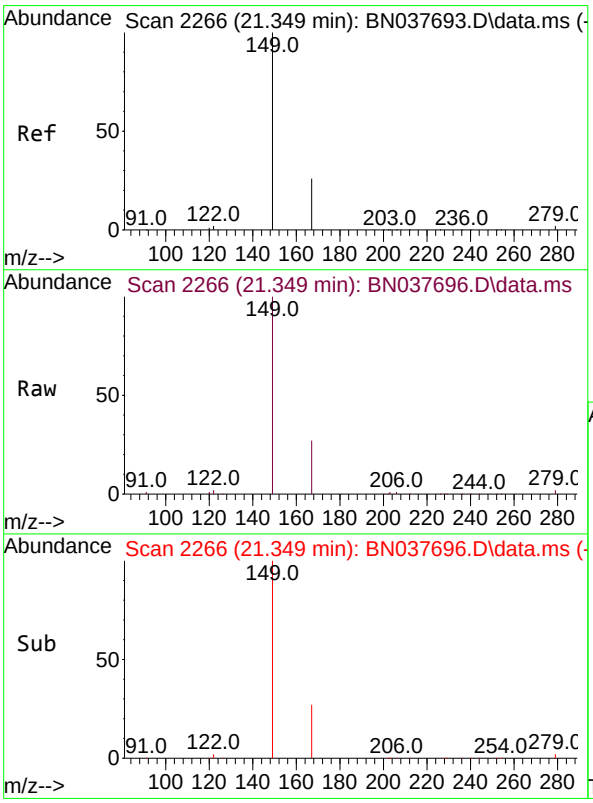
#33
Chrysene
Concen: 3.221 ng
RT: 21.456 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037696.D
Acq: 11 Sep 2025 12:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:228 Resp: 146238

Ion	Ratio	Lower	Upper
228	100		
226	29.2	23.5	35.3
229	19.7	15.9	23.9

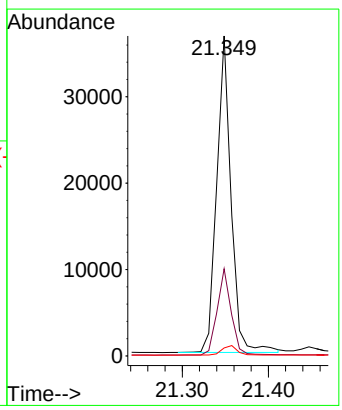


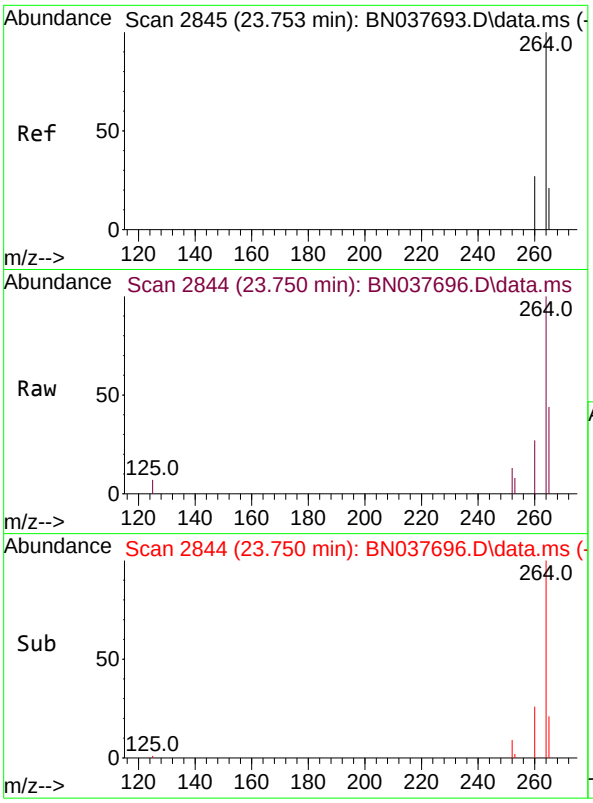


#34
Bis(2-ethylhexyl)phthalate
Concen: 3.385 ng
RT: 21.349 min Scan# 2266
Delta R.T. -0.000 min
Lab File: BN037696.D
Acq: 11 Sep 2025 12:56

Tgt Ion:149 Resp: 42504

Ion	Ratio	Lower	Upper
149	100		
167	26.6	20.8	31.2
279	3.1	3.3	4.9#



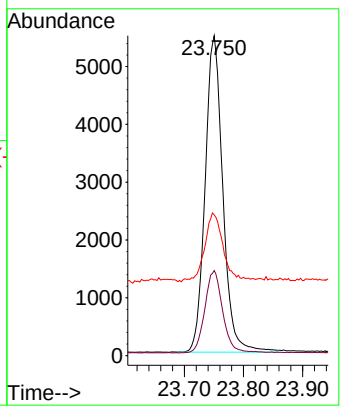


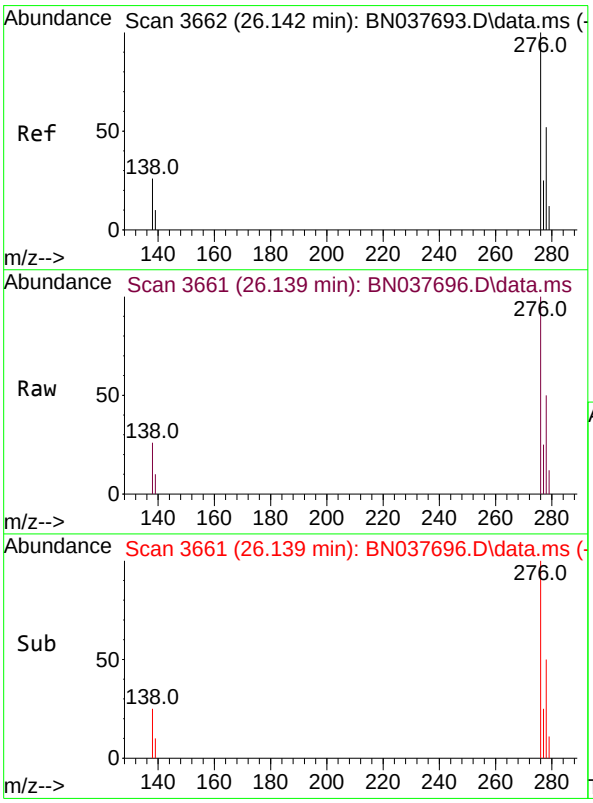
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.750 min Scan# 28
Delta R.T. -0.003 min
Lab File: BN037696.D
Acq: 11 Sep 2025 12:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:264 Resp: 11403

Ion	Ratio	Lower	Upper
264	100		
260	26.6	21.8	32.8
265	44.0	39.4	59.2

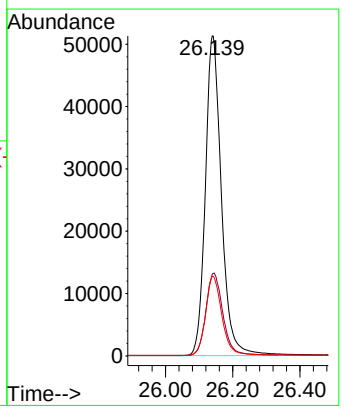


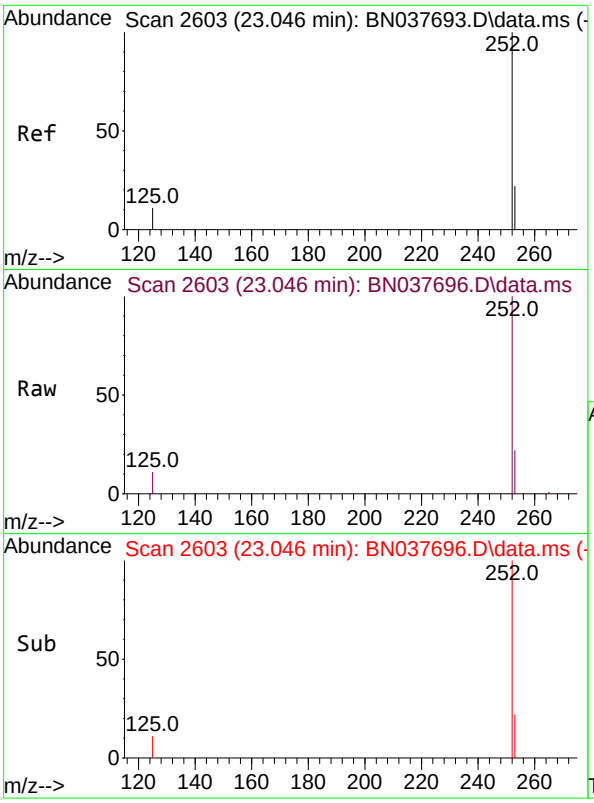


#36
Indeno(1,2,3-cd)pyrene
Concen: 3.551 ng
RT: 26.139 min Scan# 3661
Delta R.T. -0.003 min
Lab File: BN037696.D
Acq: 11 Sep 2025 12:56

Tgt Ion:276 Resp: 170120

Ion	Ratio	Lower	Upper
276	100		
138	27.3	21.9	32.9
277	25.3	20.1	30.1



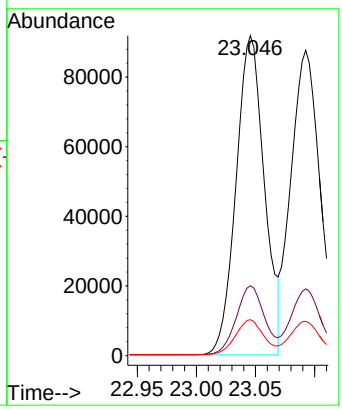


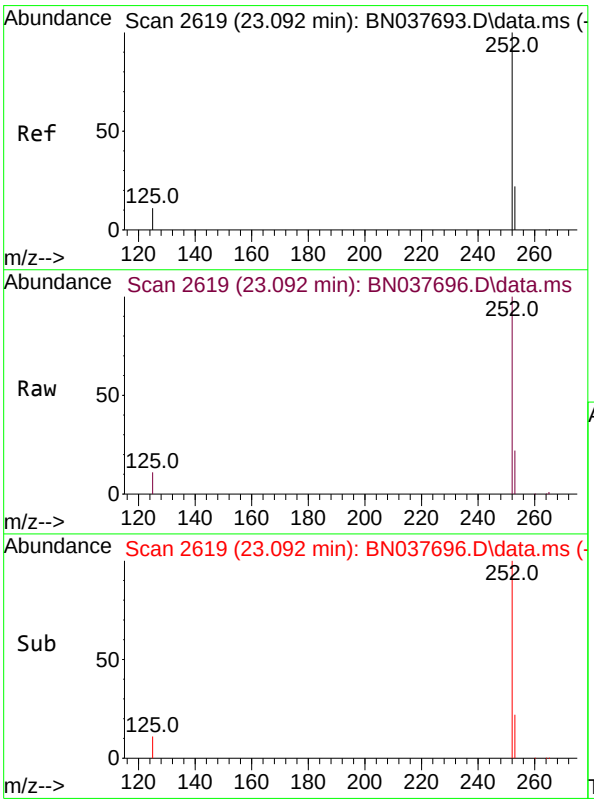
#37
Benzo(b)fluoranthene
Concen: 3.401 ng
RT: 23.046 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037696.D
Acq: 11 Sep 2025 12:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:252 Resp: 152726

Ion	Ratio	Lower	Upper
252	100		
253	21.8	19.4	29.2
125	11.2	11.2	16.8

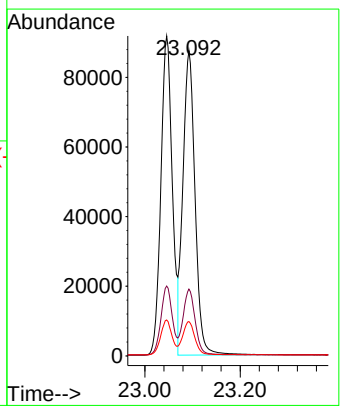


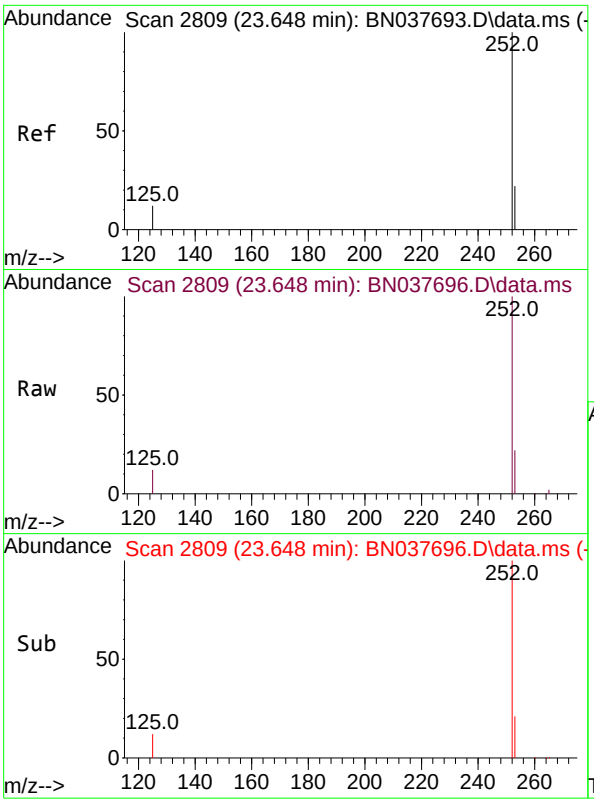


#38
Benzo(k)fluoranthene
Concen: 3.378 ng
RT: 23.092 min Scan# 2619
Delta R.T. -0.000 min
Lab File: BN037696.D
Acq: 11 Sep 2025 12:56

Tgt Ion:252 Resp: 154690

Ion	Ratio	Lower	Upper
252	100		
253	21.9	19.4	29.0
125	11.3	11.6	17.4#



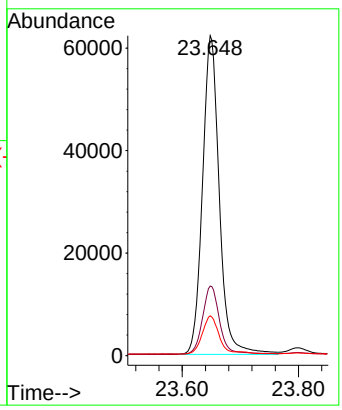


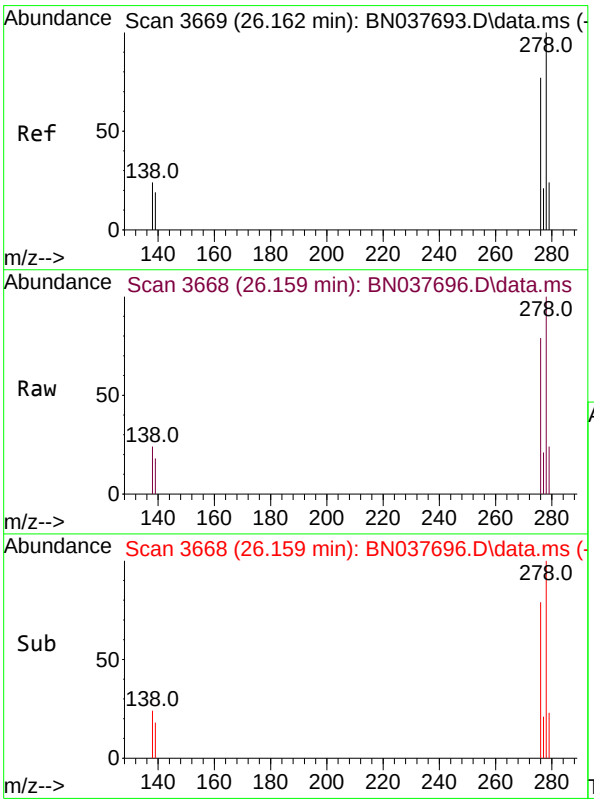
#39
Benzo(a)pyrene
Concen: 3.469 ng
RT: 23.648 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037696.D
Acq: 11 Sep 2025 12:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:252 Resp: 124741

Ion	Ratio	Lower	Upper
252	100		
253	21.7	20.8	31.2
125	12.4	13.9	20.9#

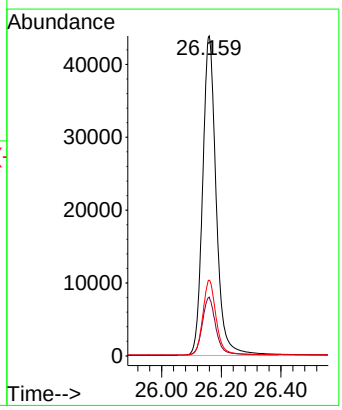


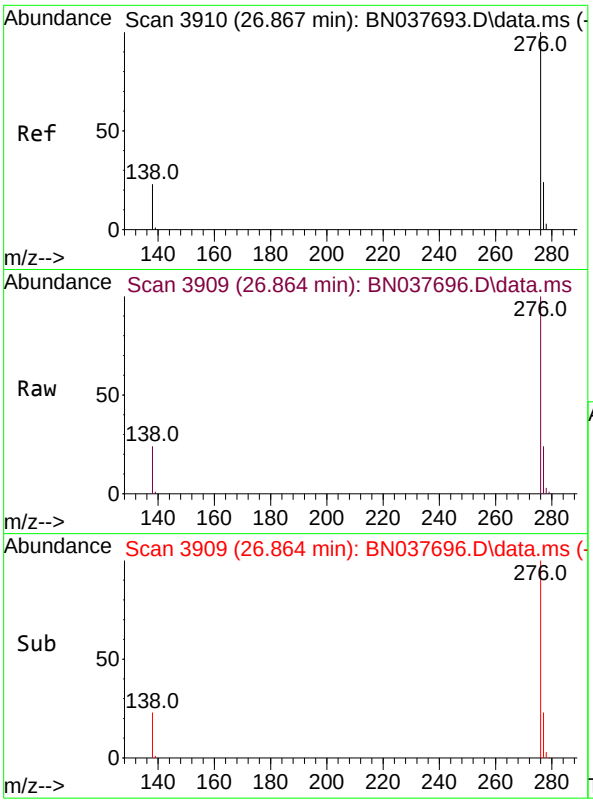


#40
Dibenzo(a,h)anthracene
Concen: 3.623 ng
RT: 26.159 min Scan# 3668
Delta R.T. -0.003 min
Lab File: BN037696.D
Acq: 11 Sep 2025 12:56

Tgt Ion:278 Resp: 138597

Ion	Ratio	Lower	Upper
278	100		
139	18.4	17.8	26.6
279	23.7	22.0	33.0



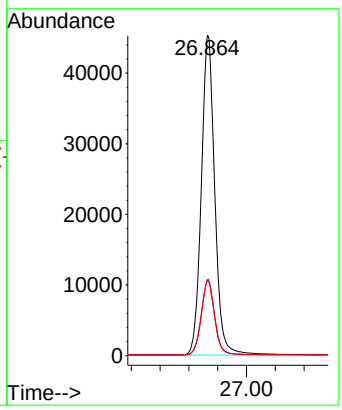


#41
Benzo(g,h,i)perylene
Concen: 3.415 ng
RT: 26.864 min Scan# 3
Delta R.T. -0.003 min
Lab File: BN037696.D
Acq: 11 Sep 2025 12:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:276 Resp: 146601

Ion	Ratio	Lower	Upper
276	100		
277	23.6	20.6	31.0
138	23.6	20.2	30.2



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091125\
Data File : BN037697.D
Acq On : 11 Sep 2025 13:33
Operator : RC/JU
Sample : SSTDICC5.0
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Quant Time: Sep 11 14:07:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:02:44 2025
Response via : Initial Calibration

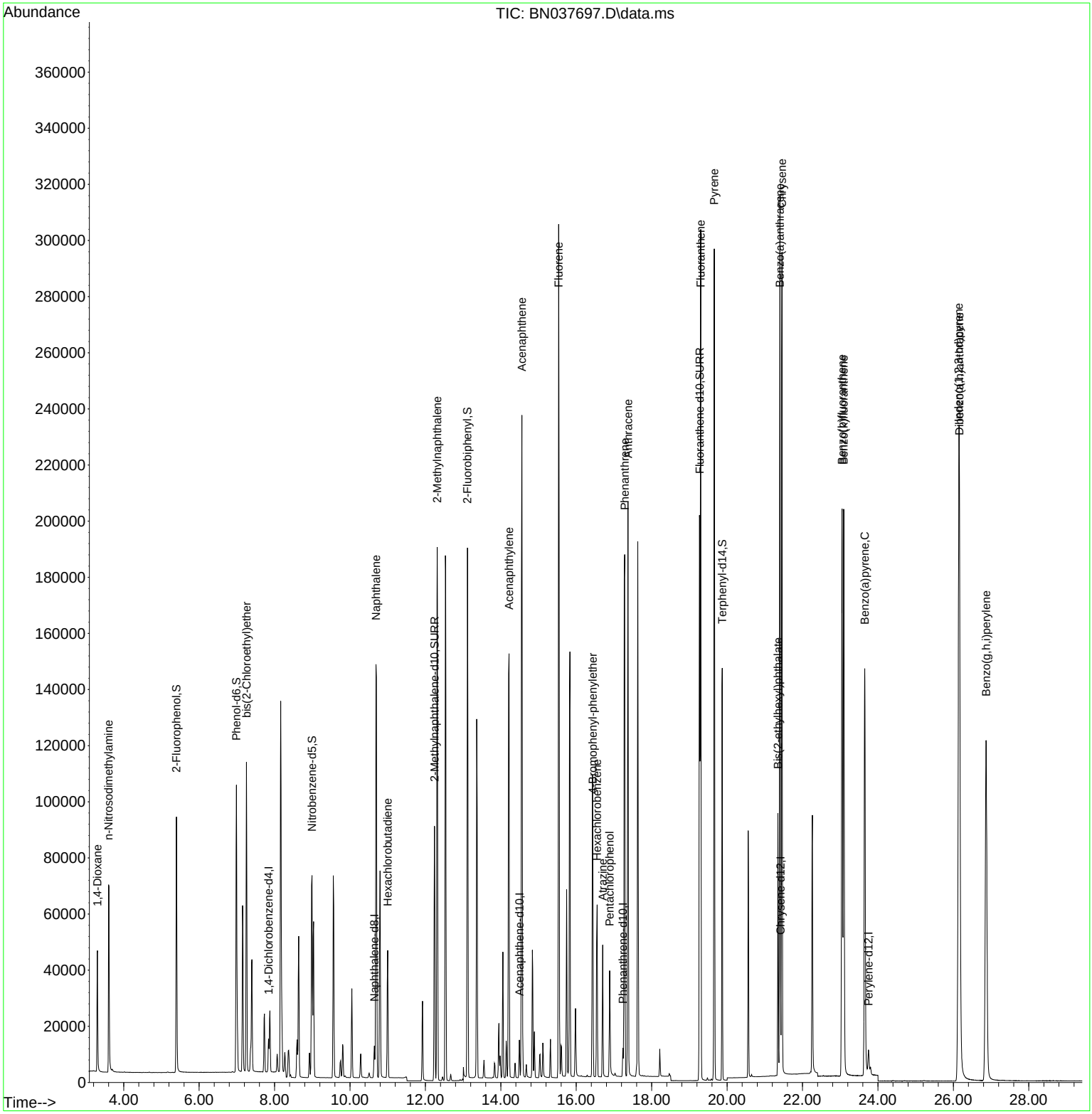
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.840	152	5654	0.400	ng		0.00
7) Naphthalene-d8	10.648	136	14362	0.400	ng		0.00
13) Acenaphthene-d10	14.495	164	7056	0.400	ng		0.00
19) Phenanthrene-d10	17.235	188	12767	0.400	ng		0.00
29) Chrysene-d12	21.420	240	13060	0.400	ng		0.00
35) Perylene-d12	23.753	264	12009	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.399	112	70949	5.466	ng		0.00
5) Phenol-d6	6.988	99	91084	5.412	ng		0.00
8) Nitrobenzene-d5	8.993	82	58397	5.559	ng		0.00
11) 2-Methylnaphthalene-d10	12.243	152	119992	6.306	ng		0.00
14) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng		
15) 2-Fluorobiphenyl	13.115	172	157398	5.334	ng		0.00
27) Fluoranthene-d10	19.271	212	215419	6.721	ng		0.00
31) Terphenyl-d14	19.870	244	145595	5.493	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.304	88	27447	4.661	ng		97
3) n-Nitrosodimethylamine	3.601	42	38960	5.064	ng	#	93
6) bis(2-Chloroethyl)ether	7.255	93	75108	4.995	ng		100
9) Naphthalene	10.690	128	206218	5.253	ng		99
10) Hexachlorobutadiene	11.000	225	36218	5.099	ng	#	100
12) 2-Methylnaphthalene	12.314	142	132802	5.469	ng		99
16) Acenaphthylene	14.217	152	178140	5.505	ng		100
17) Acenaphthene	14.559	154	118915	5.435	ng		97
18) Fluorene	15.535	166	147419	5.563	ng		99
21) 4-Bromophenyl-phenylether	16.441	248	45357	5.448	ng		98
22) Hexachlorobenzene	16.553	284	49411	5.160	ng		99
23) Atrazine	16.702	200	33341	6.295	ng		96
24) Pentachlorophenol	16.888	266	18297	6.581	ng		97
25) Phenanthrene	17.285	178	218722	5.441	ng		100
26) Anthracene	17.372	178	204421	5.741	ng		100
28) Fluoranthene	19.299	202	261250	5.926	ng		99
30) Pyrene	19.661	202	259551	5.077	ng		100
32) Benzo(a)anthracene	21.402	228	248434	5.454	ng		99
33) Chrysene	21.456	228	251956	5.158	ng		100
34) Bis(2-ethylhexyl)phtha...	21.349	149	82262	6.091	ng	#	99
36) Indeno(1,2,3-cd)pyrene	26.145	276	303960	6.024	ng		99
37) Benzo(b)fluoranthene	23.049	252	266973	5.645	ng	#	94
38) Benzo(k)fluoranthene	23.093	252	263641	5.466	ng	#	94
39) Benzo(a)pyrene	23.651	252	220208	5.816	ng	#	90
40) Dibenzo(a,h)anthracene	26.162	278	245606	6.096	ng	#	91
41) Benzo(g,h,i)perylene	26.867	276	258594	5.720	ng		95

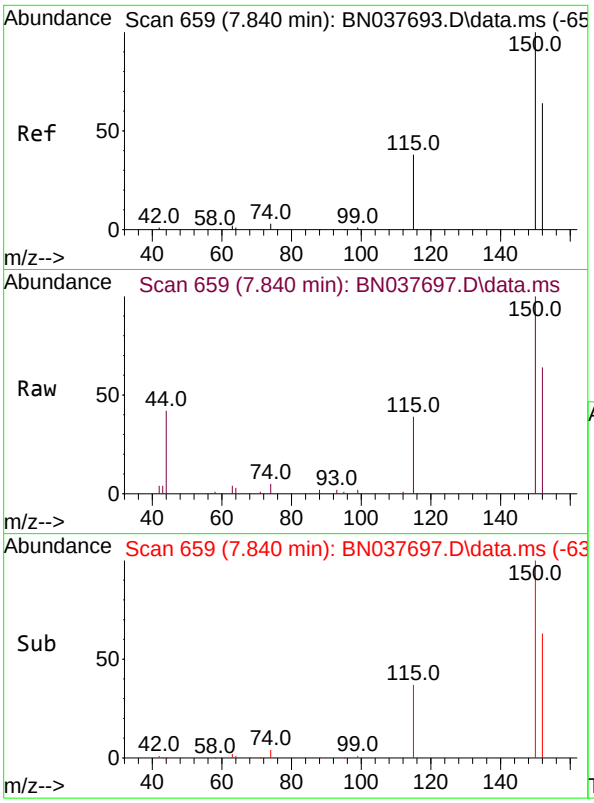
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091125\
Data File : BN037697.D
Acq On : 11 Sep 2025 13:33
Operator : RC/JU
Sample : SSTDICC5.0
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Quant Time: Sep 11 14:07:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:02:44 2025
Response via : Initial Calibration



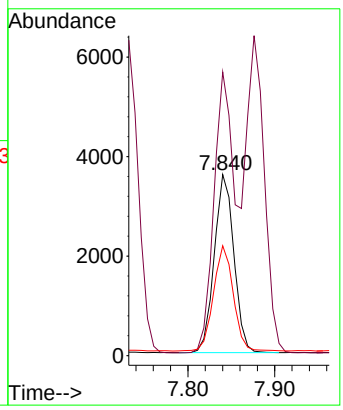


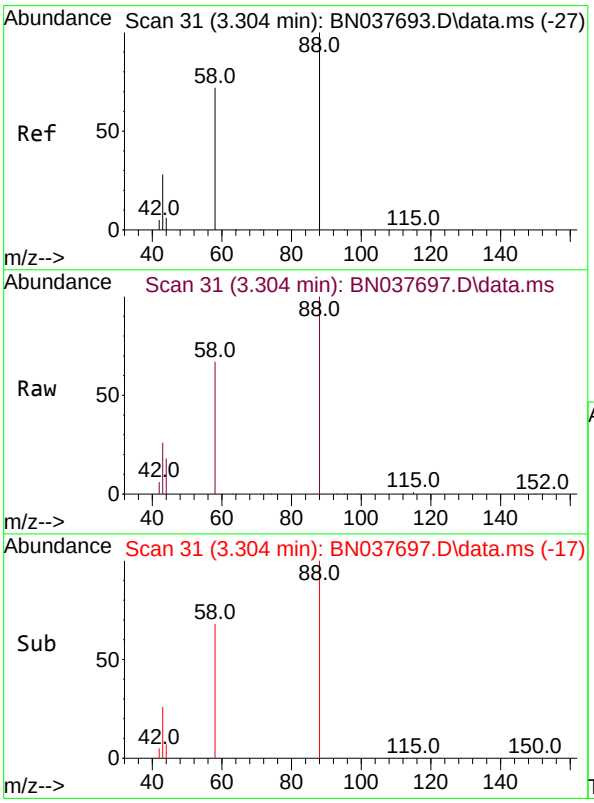
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.840 min Scan# 6
Delta R.T. 0.000 min
Lab File: BN037697.D
Acq: 11 Sep 2025 13:33

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:152 Resp: 5654

Ion	Ratio	Lower	Upper
152	100		
150	156.6	124.5	186.7
115	60.7	49.2	73.8

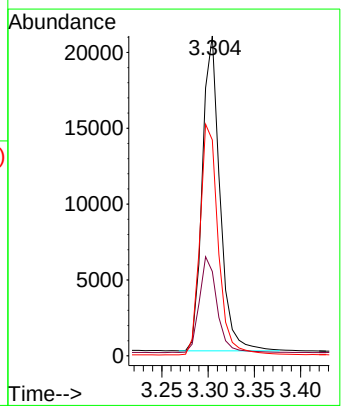


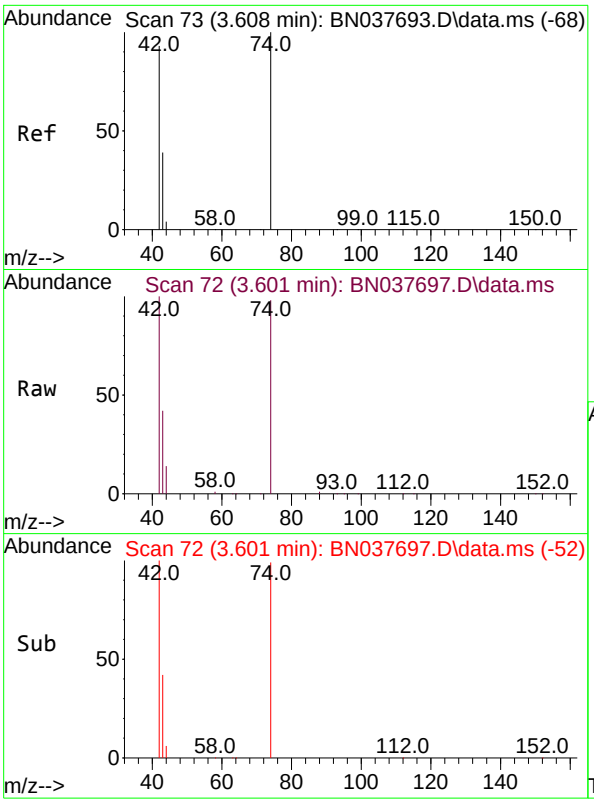


#2
1,4-Dioxane
Concen: 4.661 ng
RT: 3.304 min Scan# 31
Delta R.T. 0.000 min
Lab File: BN037697.D
Acq: 11 Sep 2025 13:33

Tgt Ion: 88 Resp: 27447

Ion	Ratio	Lower	Upper
88	100		
43	30.7	26.8	40.2
58	76.0	61.9	92.9



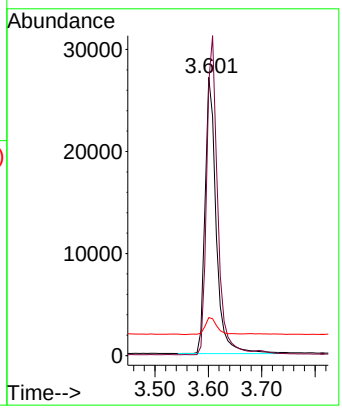


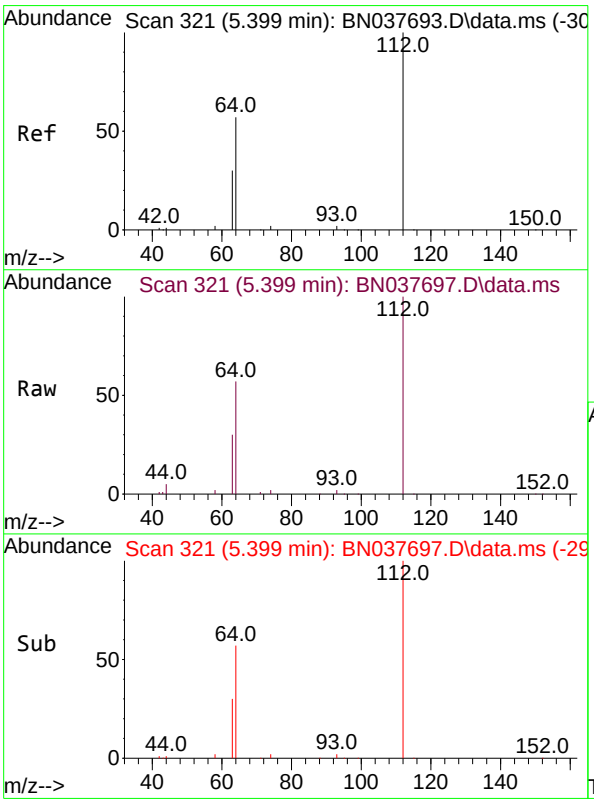
#3
n-Nitrosodimethylamine
Concen: 5.064 ng
RT: 3.601 min Scan# 7
Delta R.T. -0.007 min
Lab File: BN037697.D
Acq: 11 Sep 2025 13:33

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion: 42 Resp: 38960

Ion	Ratio	Lower	Upper
42	100		
74	114.1	86.0	129.0
44	6.6	8.4	12.6#

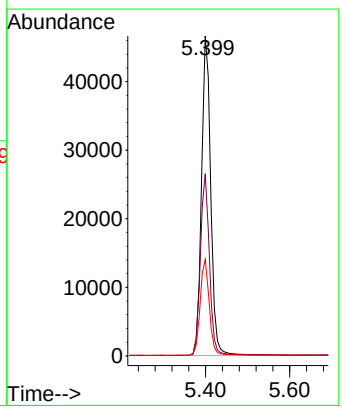


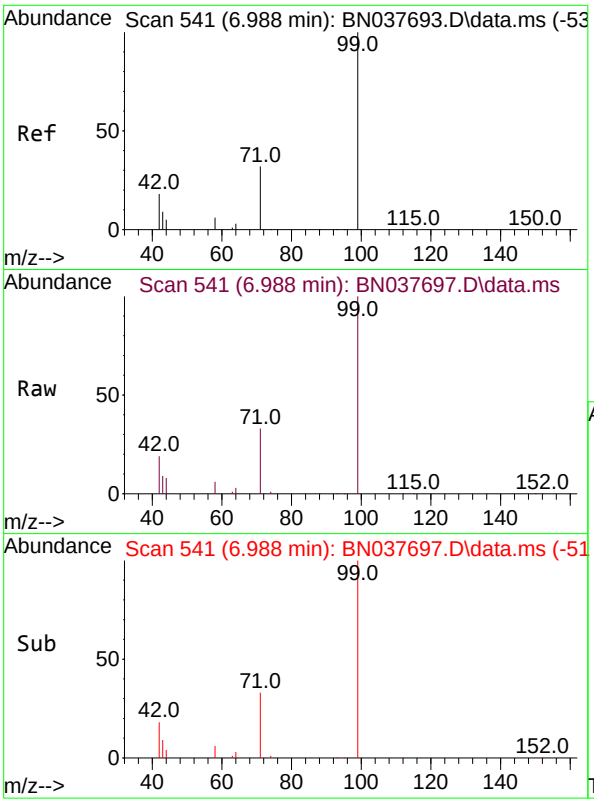


#4
2-Fluorophenol
Concen: 5.466 ng
RT: 5.399 min Scan# 321
Delta R.T. 0.000 min
Lab File: BN037697.D
Acq: 11 Sep 2025 13:33

Tgt Ion:112 Resp: 70949

Ion	Ratio	Lower	Upper
112	100		
64	56.2	44.9	67.3
63	30.0	24.7	37.1



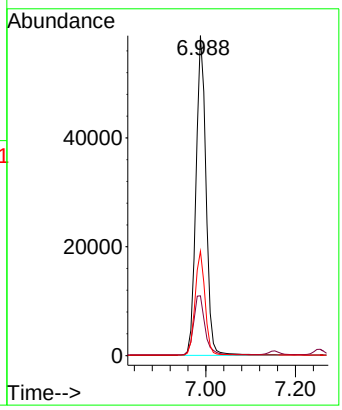


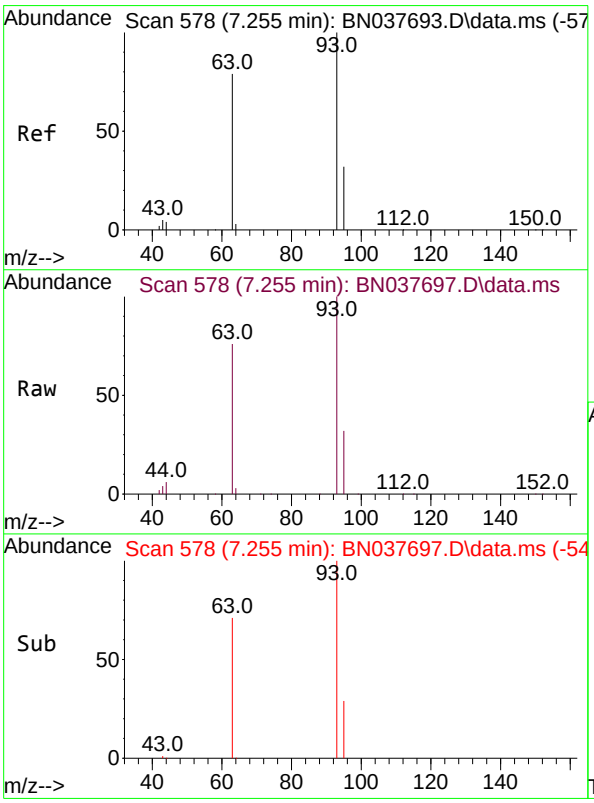
#5
Phenol-d6
Concen: 5.412 ng
RT: 6.988 min Scan# 54
Delta R.T. 0.000 min
Lab File: BN037697.D
Acq: 11 Sep 2025 13:33

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion: 99 Resp: 91084

Ion	Ratio	Lower	Upper
99	100		
42	20.8	16.6	24.8
71	32.6	26.7	40.1

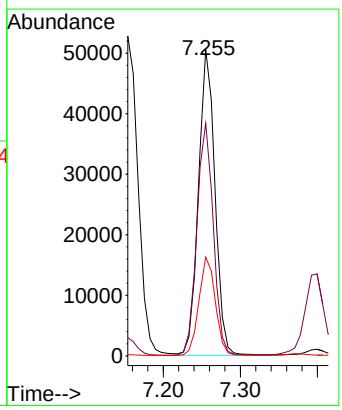


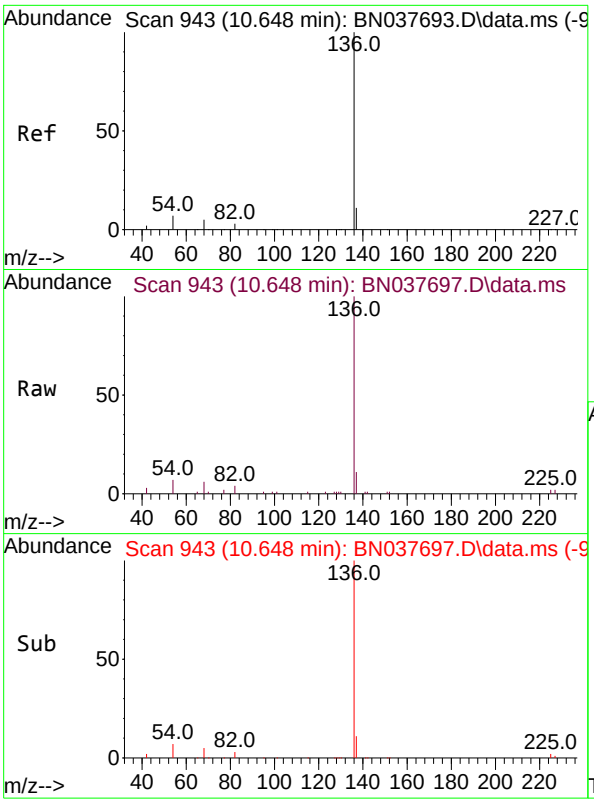


#6
bis(2-Chloroethyl)ether
Concen: 4.995 ng
RT: 7.255 min Scan# 578
Delta R.T. 0.000 min
Lab File: BN037697.D
Acq: 11 Sep 2025 13:33

Tgt Ion: 93 Resp: 75108

Ion	Ratio	Lower	Upper
93	100		
63	75.4	60.6	90.8
95	32.1	26.0	39.0



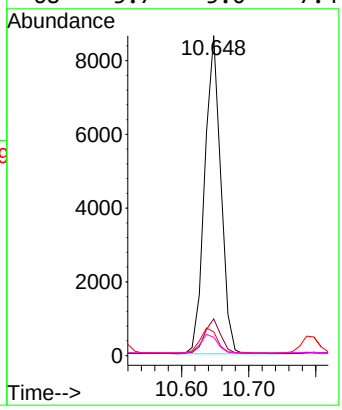


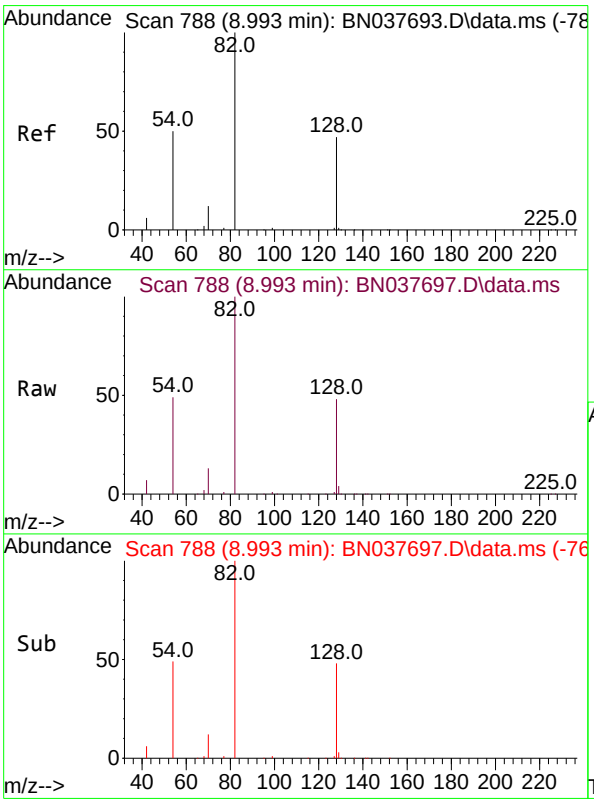
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.648 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN037697.D
Acq: 11 Sep 2025 13:33

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:136 Resp: 14362

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.1	13.7
54	7.4	6.3	9.5
68	5.7	5.0	7.4

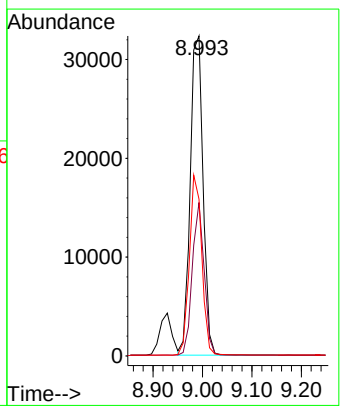


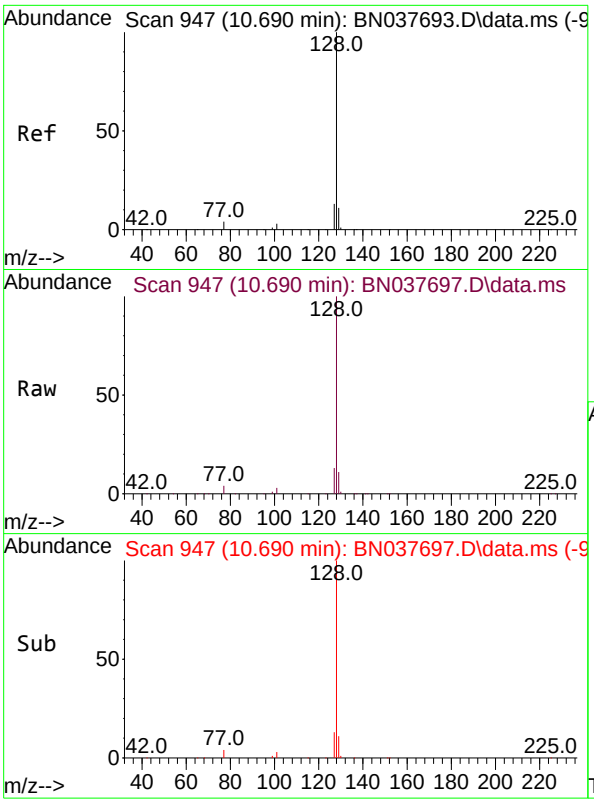


#8
Nitrobenzene-d5
Concen: 5.559 ng
RT: 8.993 min Scan# 788
Delta R.T. 0.000 min
Lab File: BN037697.D
Acq: 11 Sep 2025 13:33

Tgt Ion: 82 Resp: 58397

Ion	Ratio	Lower	Upper
82	100		
128	47.9	38.3	57.5
54	49.0	41.4	62.2



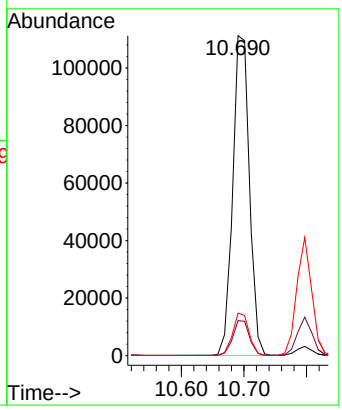


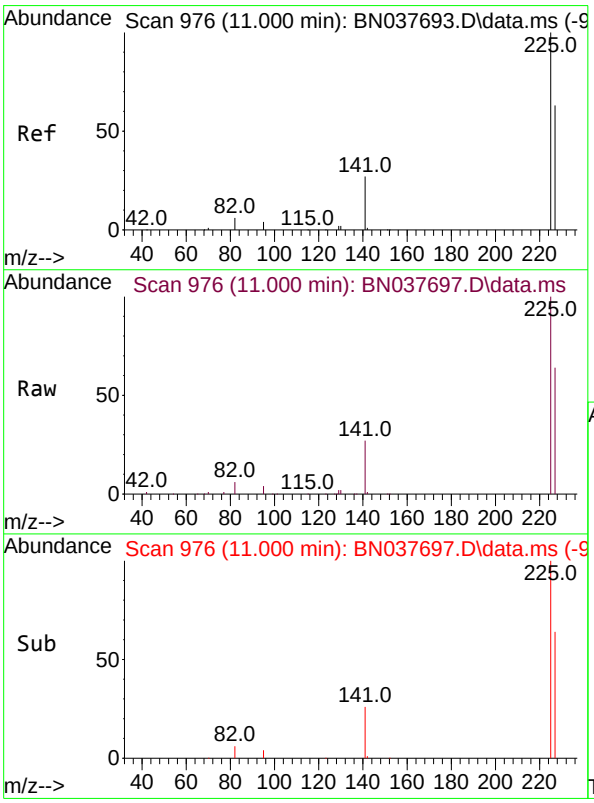
#9
Naphthalene
Concen: 5.253 ng
RT: 10.690 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN037697.D
Acq: 11 Sep 2025 13:33

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:128 Resp: 206218

Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.1	13.7
127	13.3	10.9	16.3

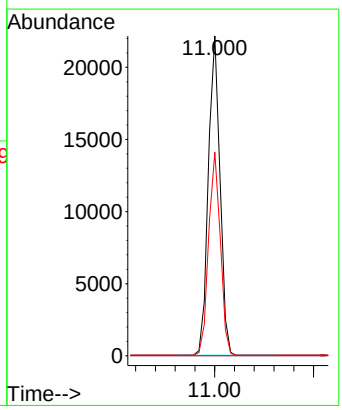


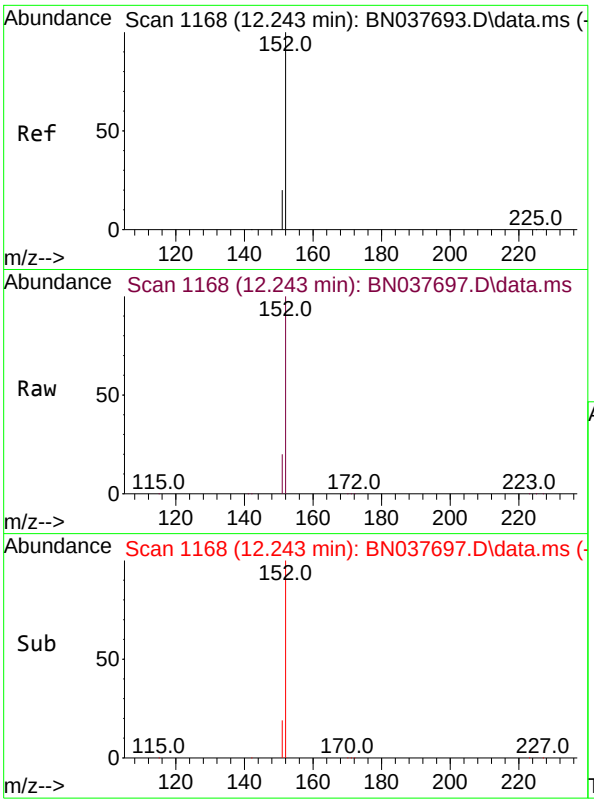


#10
Hexachlorobutadiene
Concen: 5.099 ng
RT: 11.000 min Scan# 976
Delta R.T. 0.000 min
Lab File: BN037697.D
Acq: 11 Sep 2025 13:33

Tgt Ion:225 Resp: 36218

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.8	50.9	76.3



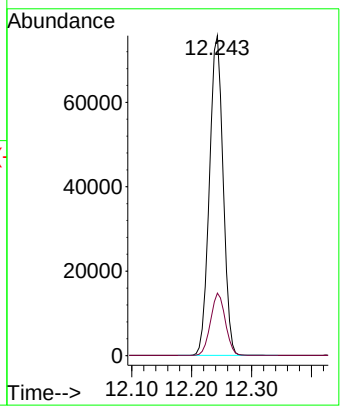


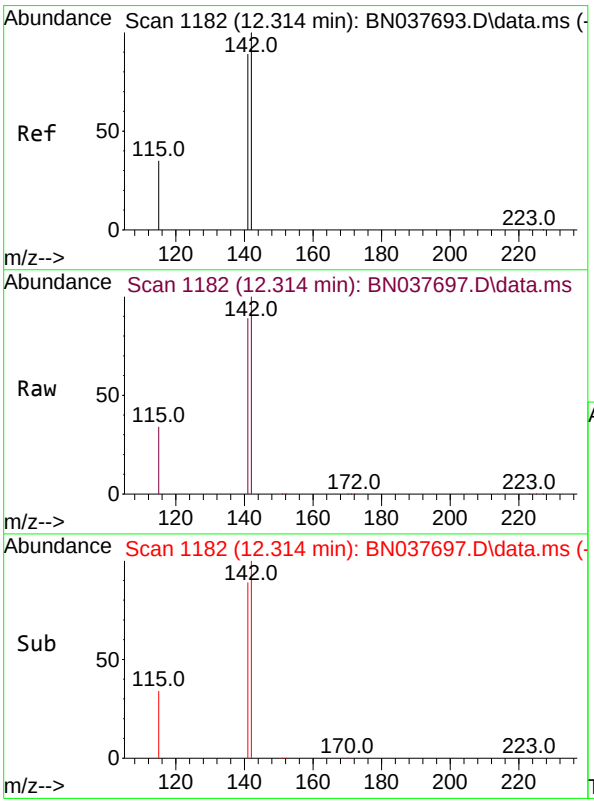
#11
2-Methylnaphthalene-d10
Concen: 6.306 ng
RT: 12.243 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN037697.D
Acq: 11 Sep 2025 13:33

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:152 Resp: 119992

Ion	Ratio	Lower	Upper
152	100		
151	21.0	17.0	25.6

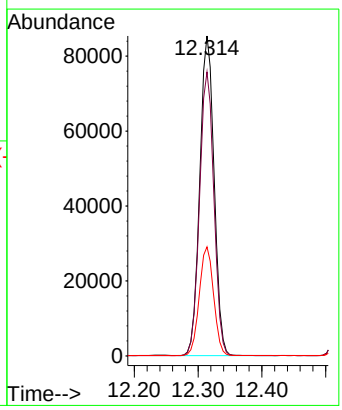


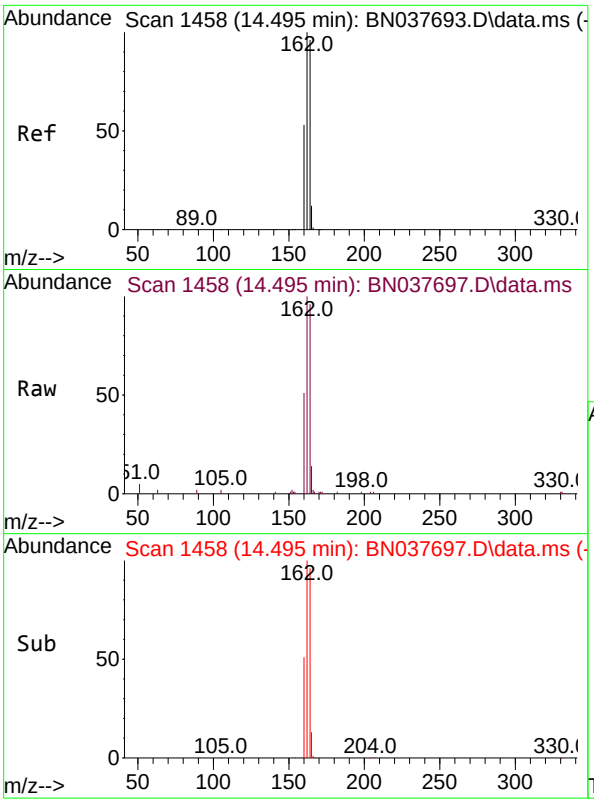


#12
2-Methylnaphthalene
Concen: 5.469 ng
RT: 12.314 min Scan# 1182
Delta R.T. 0.000 min
Lab File: BN037697.D
Acq: 11 Sep 2025 13:33

Tgt Ion:142 Resp: 132802

Ion	Ratio	Lower	Upper
142	100		
141	88.7	71.6	107.4
115	34.1	28.6	43.0



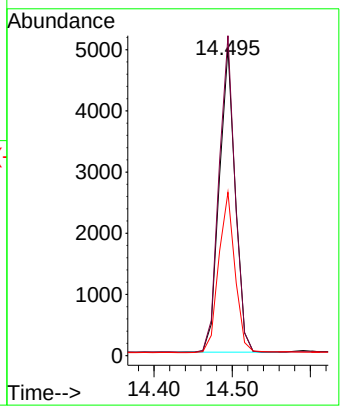


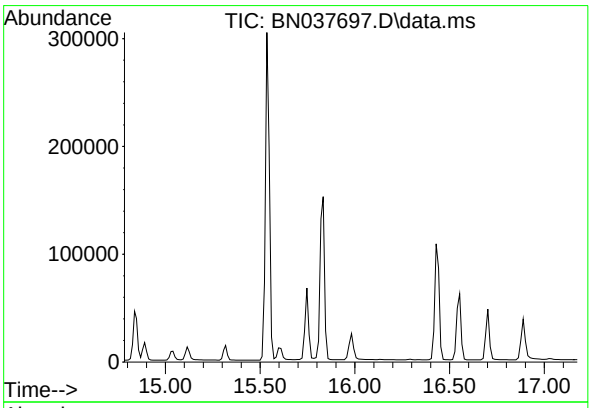
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.495 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037697.D
Acq: 11 Sep 2025 13:33

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:164 Resp: 7056

Ion	Ratio	Lower	Upper
164	100		
162	104.0	83.1	124.7
160	53.1	44.3	66.5



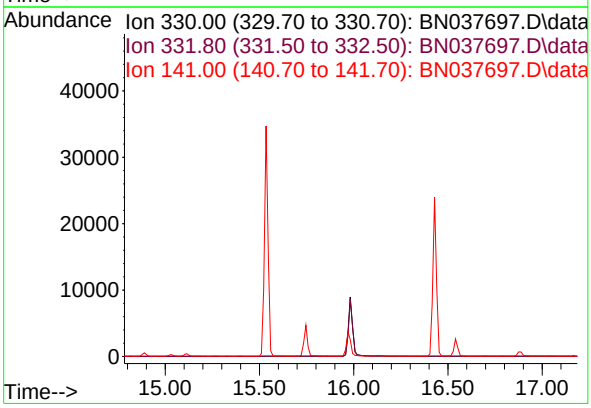


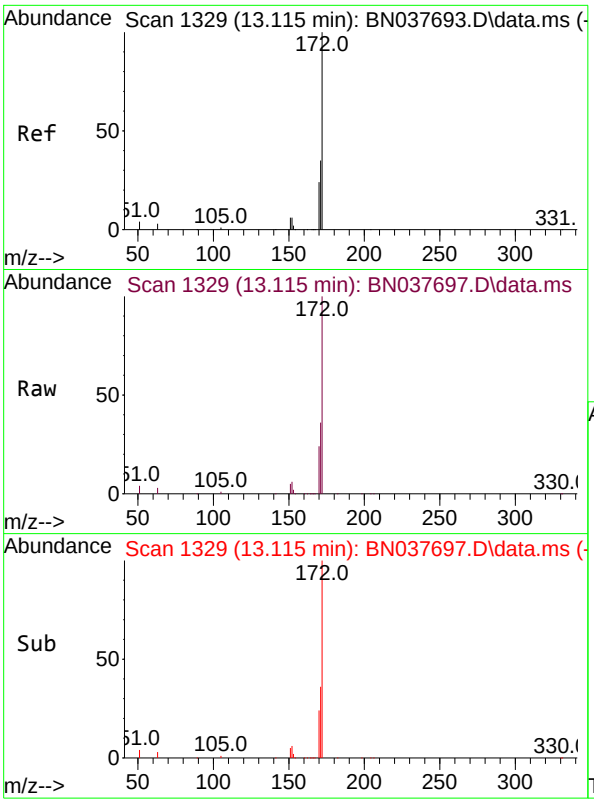
#14
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 15.98 min

Lab File: BN037697.D
Acq: 11 Sep 2025 13:33

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	94.1
141	43.7



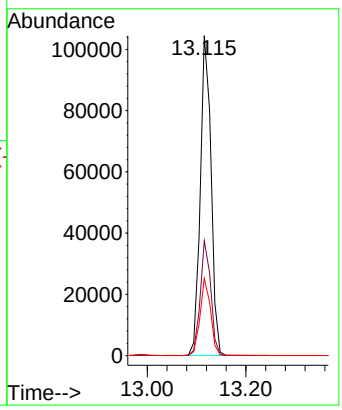


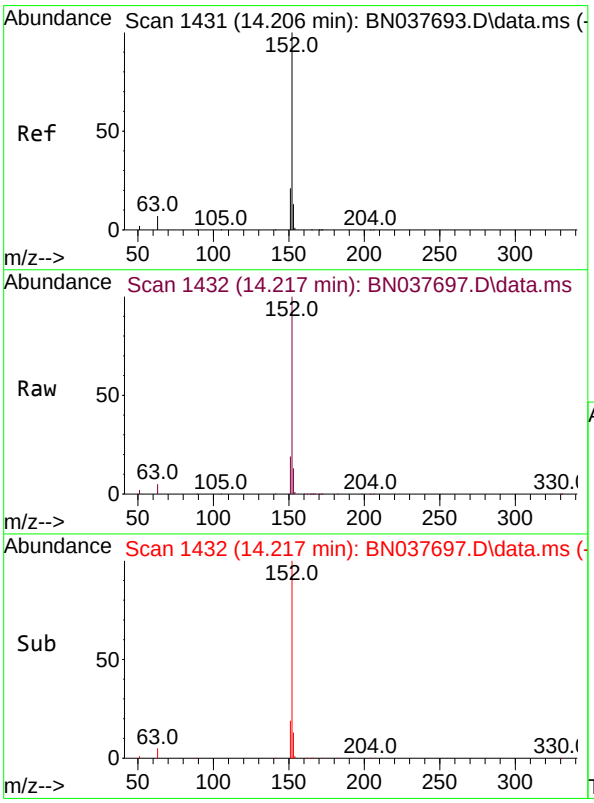
#15
2-Fluorobiphenyl
Concen: 5.334 ng
RT: 13.115 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037697.D
Acq: 11 Sep 2025 13:33

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:172 Resp: 157398

Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.6	43.0
170	24.1	19.8	29.8

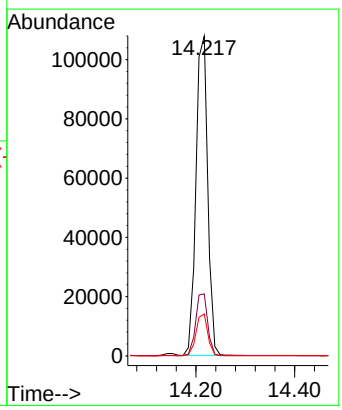


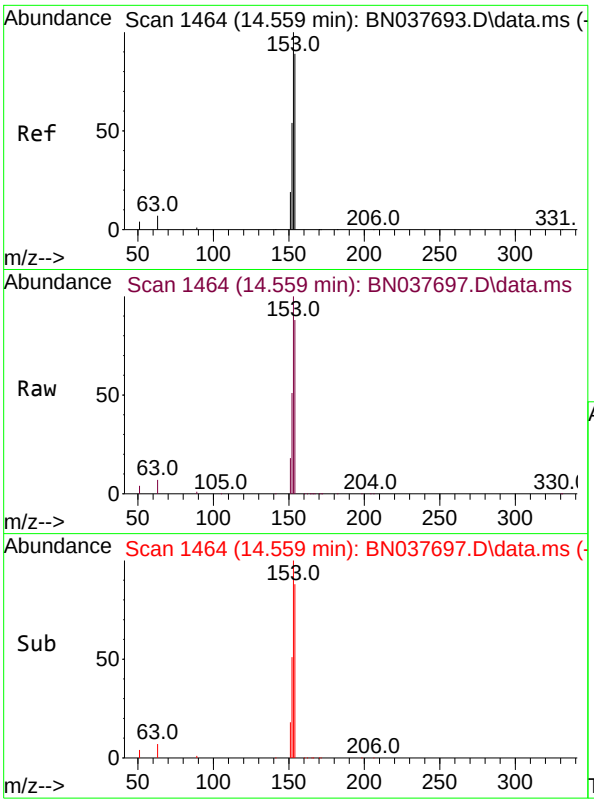


#16
Acenaphthylene
Concen: 5.505 ng
RT: 14.217 min Scan# 1432
Delta R.T. 0.011 min
Lab File: BN037697.D
Acq: 11 Sep 2025 13:33

Tgt Ion:152 Resp: 178140

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.2	24.2
153	13.0	10.4	15.6



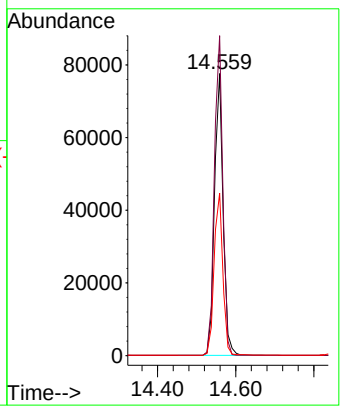


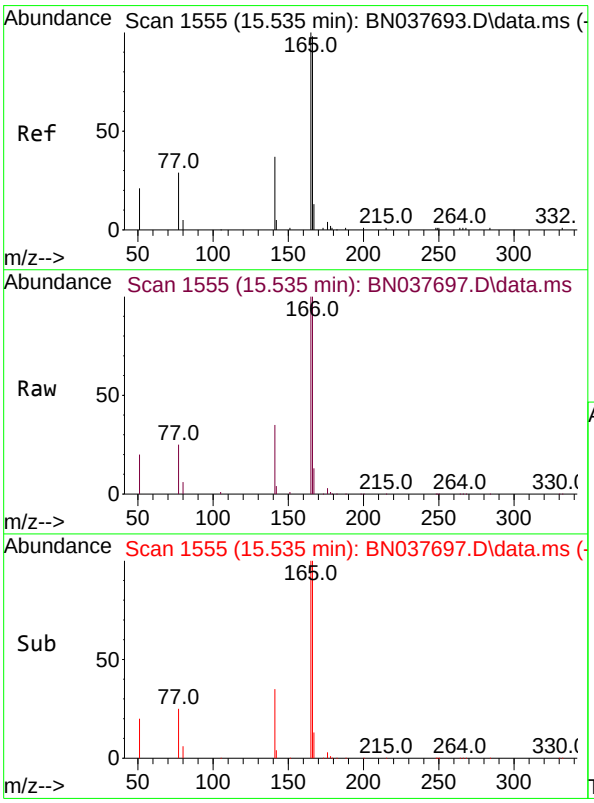
#17
Acenaphthene
Concen: 5.435 ng
RT: 14.559 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037697.D
Acq: 11 Sep 2025 13:33

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:154 Resp: 118915

Ion	Ratio	Lower	Upper
154	100		
153	111.1	89.8	134.8
152	58.4	50.2	75.2

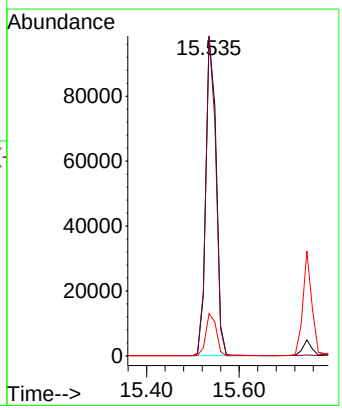


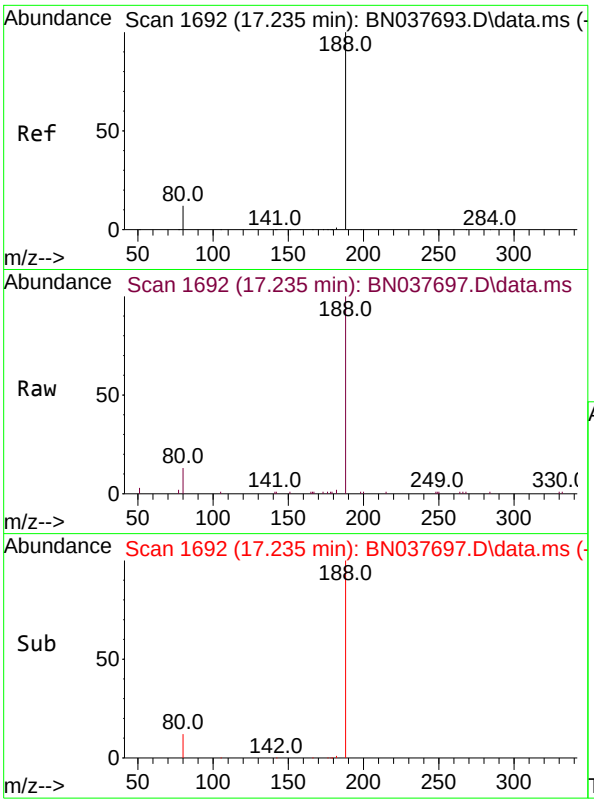


#18
Fluorene
Concen: 5.563 ng
RT: 15.535 min Scan# 1555
Delta R.T. 0.000 min
Lab File: BN037697.D
Acq: 11 Sep 2025 13:33

Tgt Ion:166 Resp: 147419

Ion	Ratio	Lower	Upper
166	100		
165	97.9	79.6	119.4
167	13.5	10.6	16.0



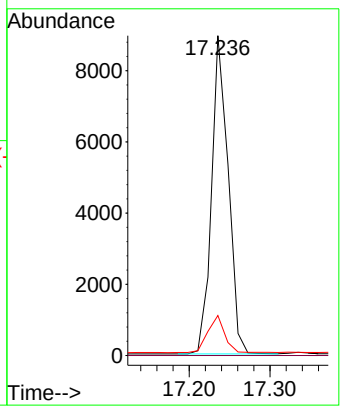


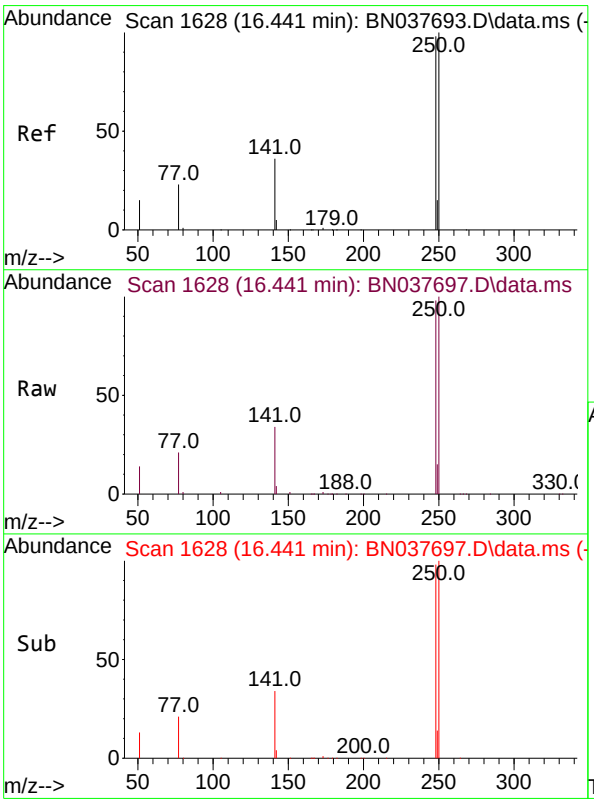
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.235 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037697.D
Acq: 11 Sep 2025 13:33

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:188 Resp: 12767

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	12.5	10.6	15.8

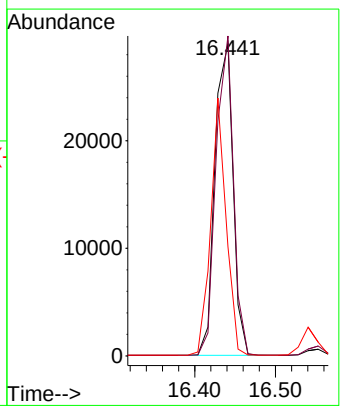


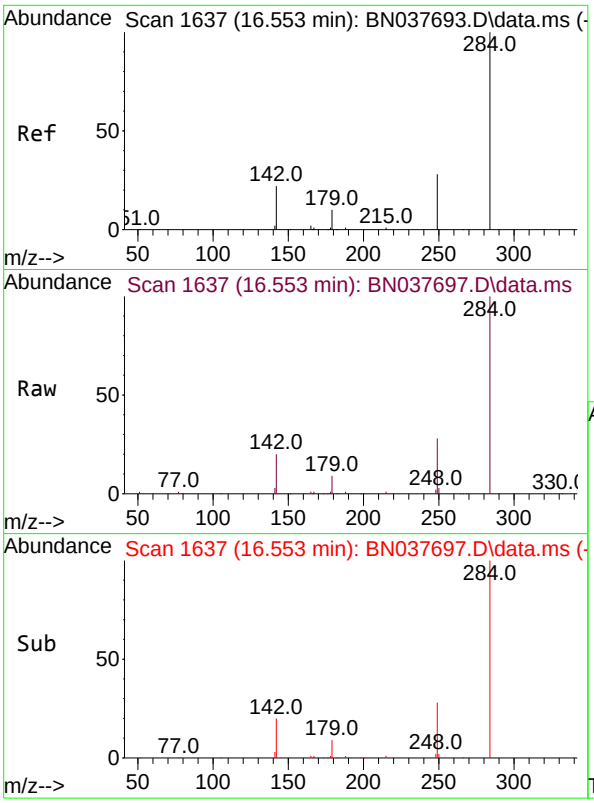


#21
4-Bromophenyl-phenylether
Concen: 5.448 ng
RT: 16.441 min Scan# 1628
Delta R.T. 0.000 min
Lab File: BN037697.D
Acq: 11 Sep 2025 13:33

Tgt Ion:248 Resp: 45357

Ion	Ratio	Lower	Upper
248	100		
250	102.5	81.5	122.3
141	35.0	30.8	46.2



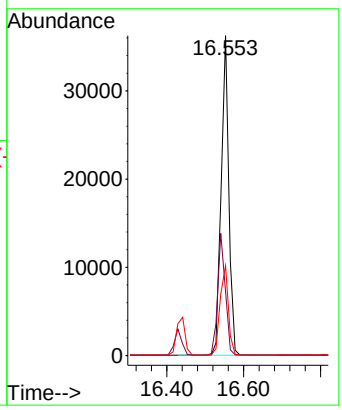


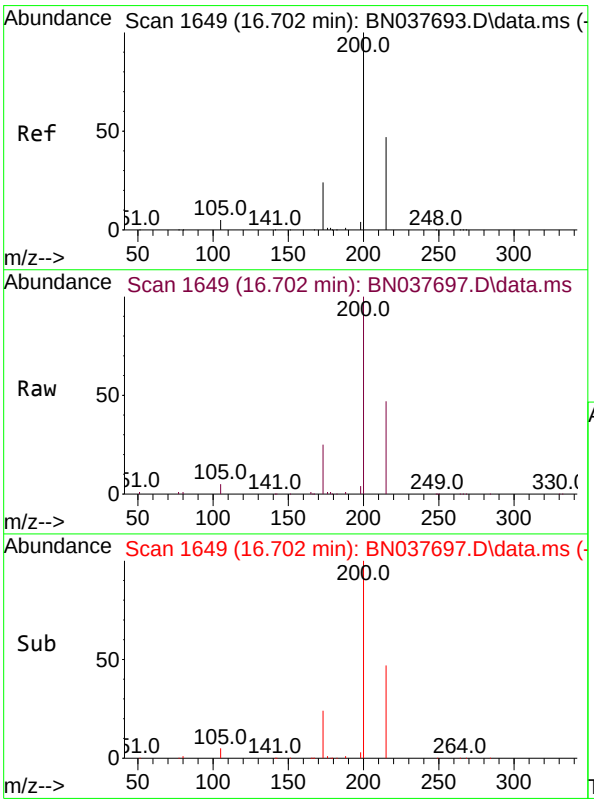
#22
Hexachlorobenzene
Concen: 5.160 ng
RT: 16.553 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN037697.D
Acq: 11 Sep 2025 13:33

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:284 Resp: 49411

Ion	Ratio	Lower	Upper
284	100		
142	38.2	30.9	46.3
249	30.2	24.8	37.2

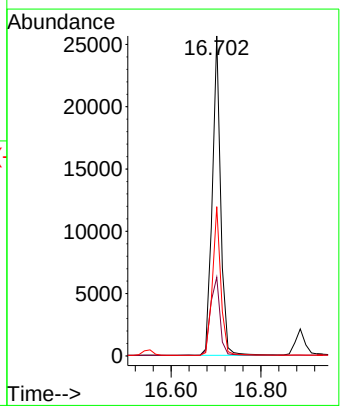


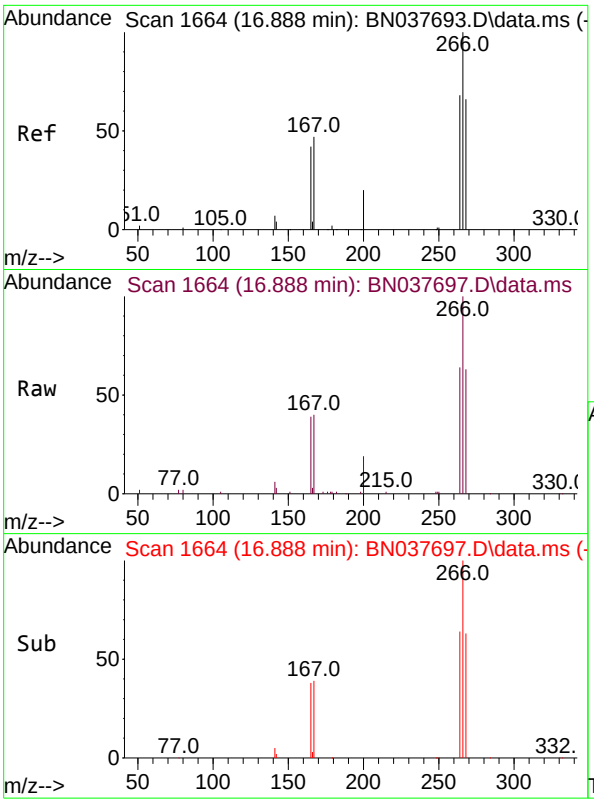


#23
Atrazine
Concen: 6.295 ng
RT: 16.702 min Scan# 1649
Delta R.T. 0.000 min
Lab File: BN037697.D
Acq: 11 Sep 2025 13:33

Tgt Ion:200 Resp: 33341

Ion	Ratio	Lower	Upper
200	100		
173	24.6	21.4	32.2
215	46.6	39.2	58.8



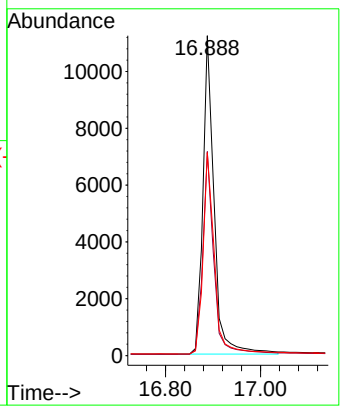


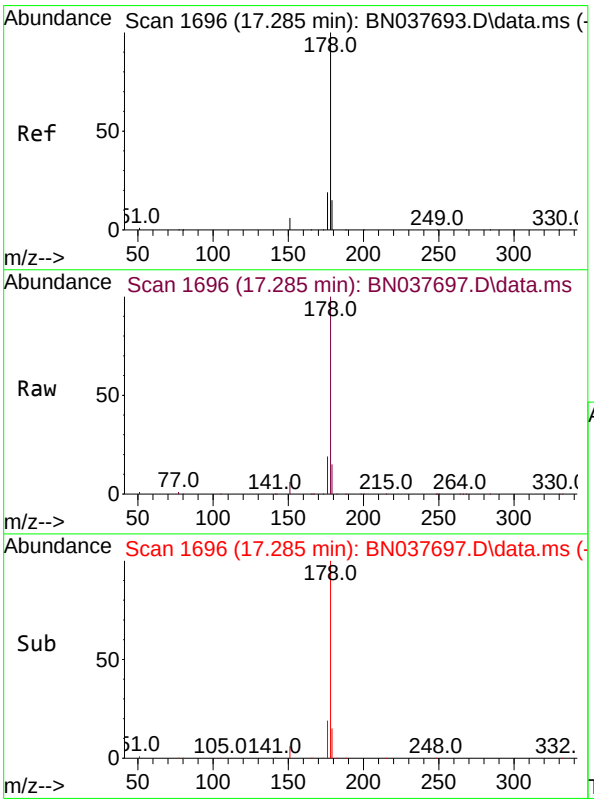
#24
Pentachlorophenol
Concen: 6.581 ng
RT: 16.888 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN037697.D
Acq: 11 Sep 2025 13:33

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:266 Resp: 18297

Ion	Ratio	Lower	Upper
266	100		
264	62.8	51.6	77.4
268	63.6	53.2	79.8

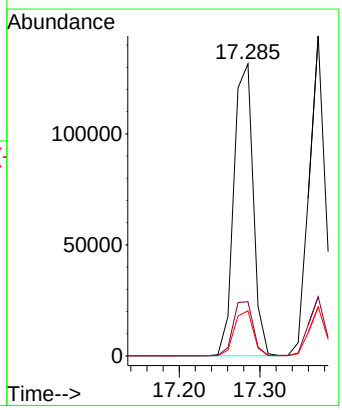


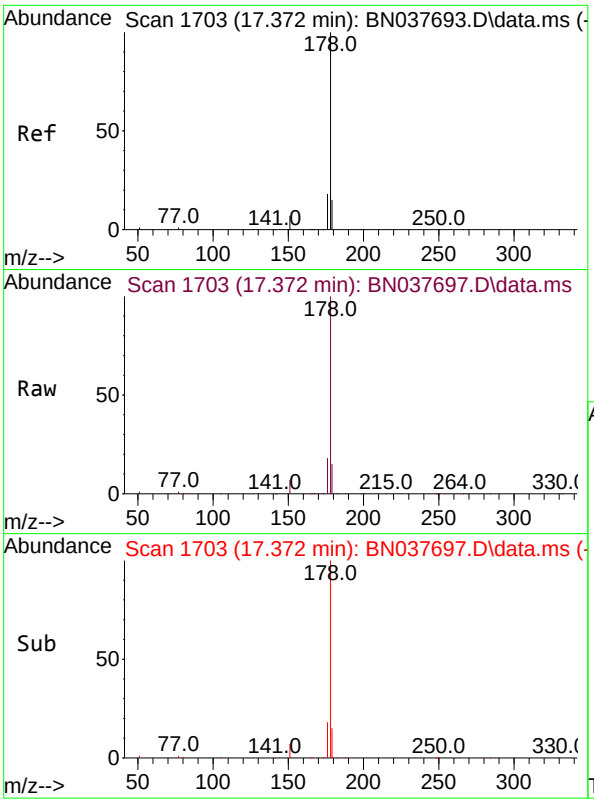


#25
Phenanthrene
Concen: 5.441 ng
RT: 17.285 min Scan# 1696
Delta R.T. 0.000 min
Lab File: BN037697.D
Acq: 11 Sep 2025 13:33

Tgt Ion:178 Resp: 218722

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.3	22.9
179	15.1	12.2	18.2



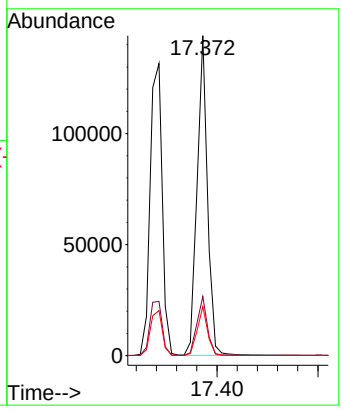


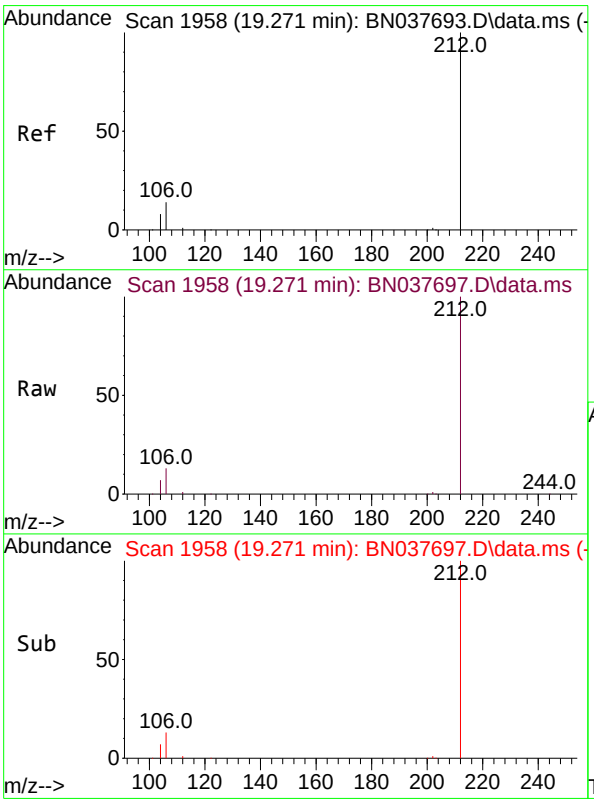
#26
Anthracene
Concen: 5.741 ng
RT: 17.372 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037697.D
Acq: 11 Sep 2025 13:33

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:178 Resp: 204421

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.6	22.0
179	15.2	12.2	18.4

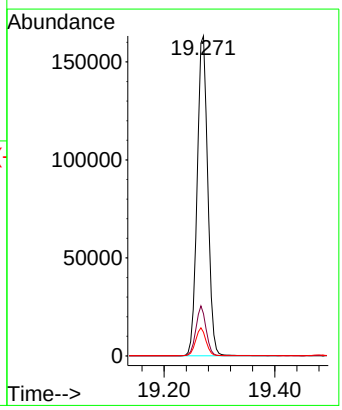


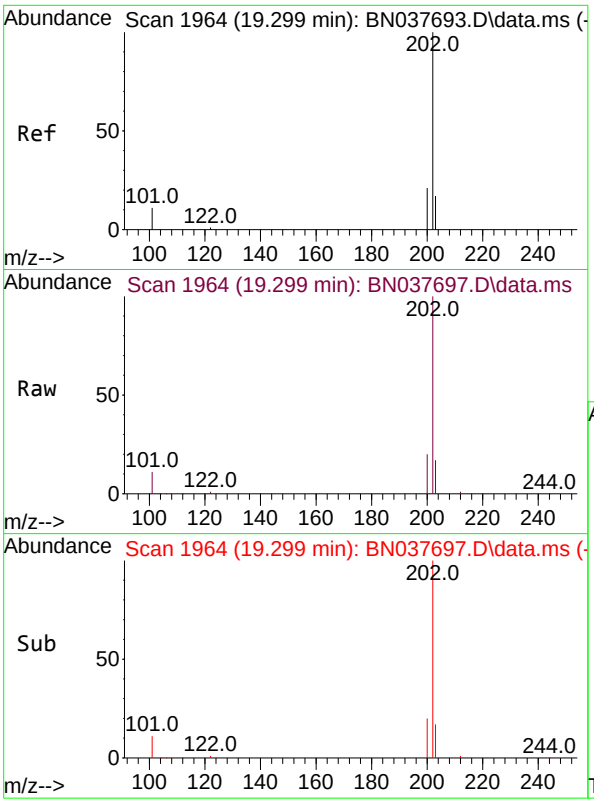


#27
Fluoranthene-d10
Concen: 6.721 ng
RT: 19.271 min Scan# 1958
Delta R.T. 0.000 min
Lab File: BN037697.D
Acq: 11 Sep 2025 13:33

Tgt Ion:212 Resp: 215419

Ion	Ratio	Lower	Upper
212	100		
106	14.9	12.2	18.2
104	8.5	6.9	10.3



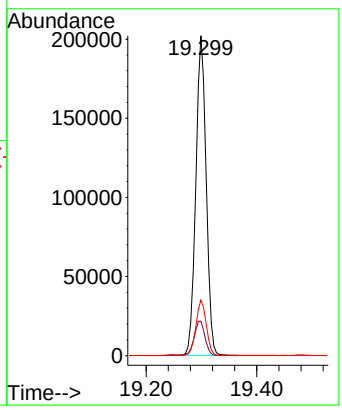


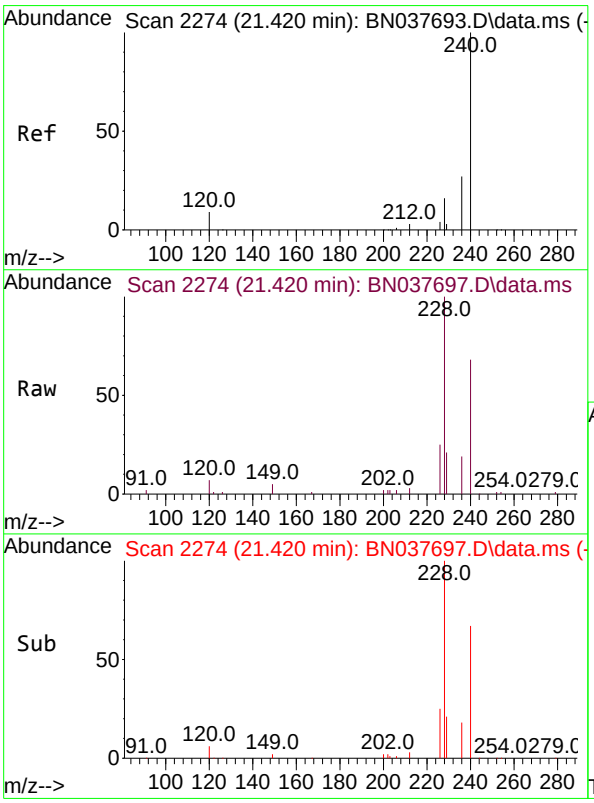
#28
Fluoranthene
Concen: 5.926 ng
RT: 19.299 min Scan# 19
Delta R.T. 0.000 min
Lab File: BN037697.D
Acq: 11 Sep 2025 13:33

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:202 Resp: 261250

Ion	Ratio	Lower	Upper
202	100		
101	11.4	9.3	13.9
203	17.3	13.7	20.5

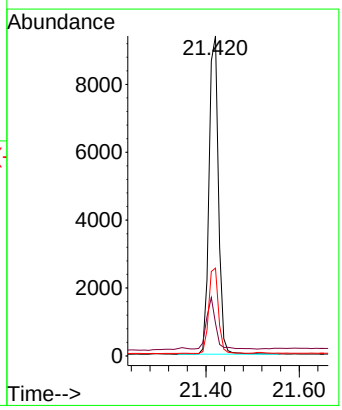


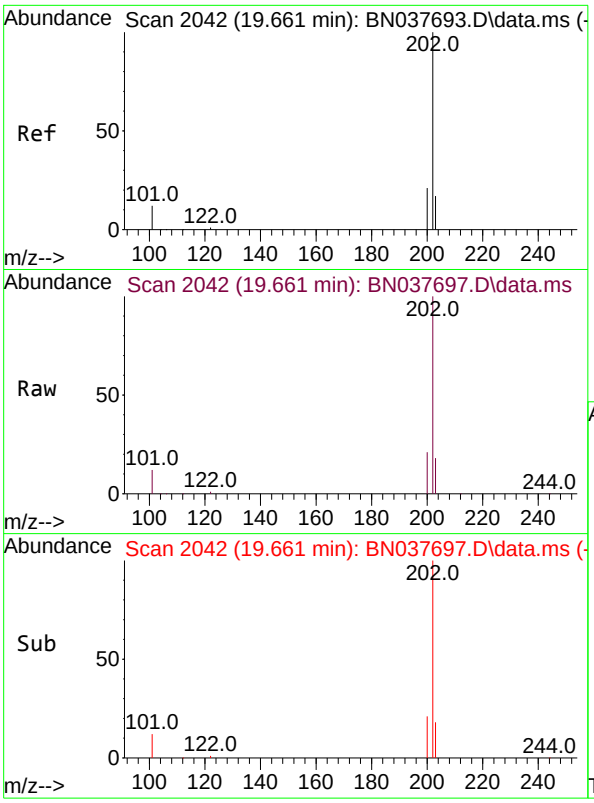


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.420 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BN037697.D
Acq: 11 Sep 2025 13:33

Tgt Ion:240 Resp: 13060

Ion	Ratio	Lower	Upper
240	100		
120	10.2	9.2	13.8
236	27.4	22.6	33.8



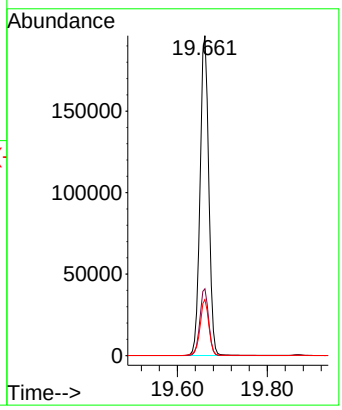


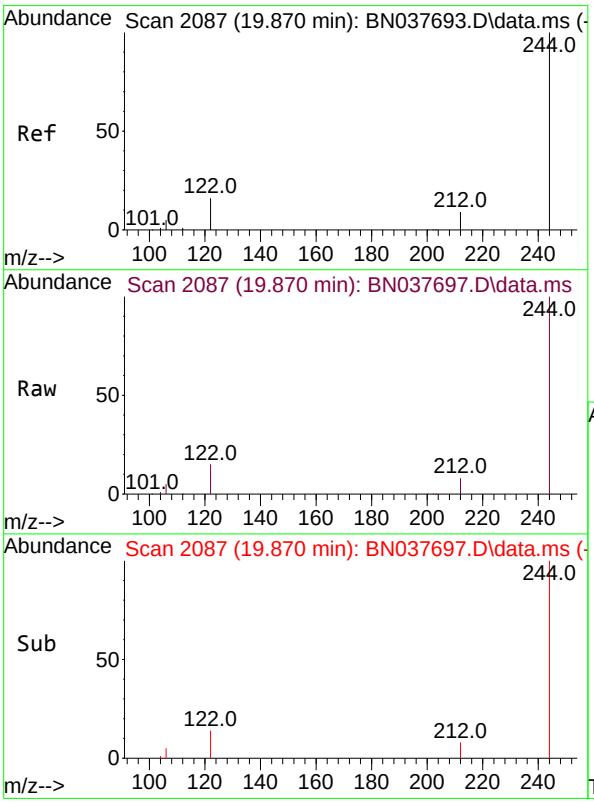
#30
Pyrene
Concen: 5.077 ng
RT: 19.661 min Scan# 20
Delta R.T. 0.000 min
Lab File: BN037697.D
Acq: 11 Sep 2025 13:33

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:202 Resp: 259551

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.8	25.2
203	17.8	14.3	21.5

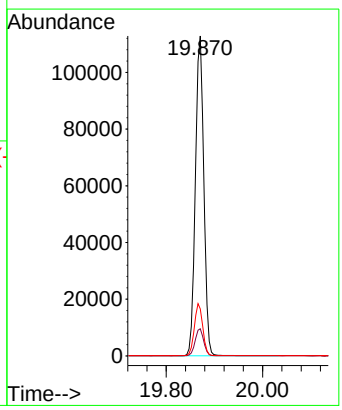


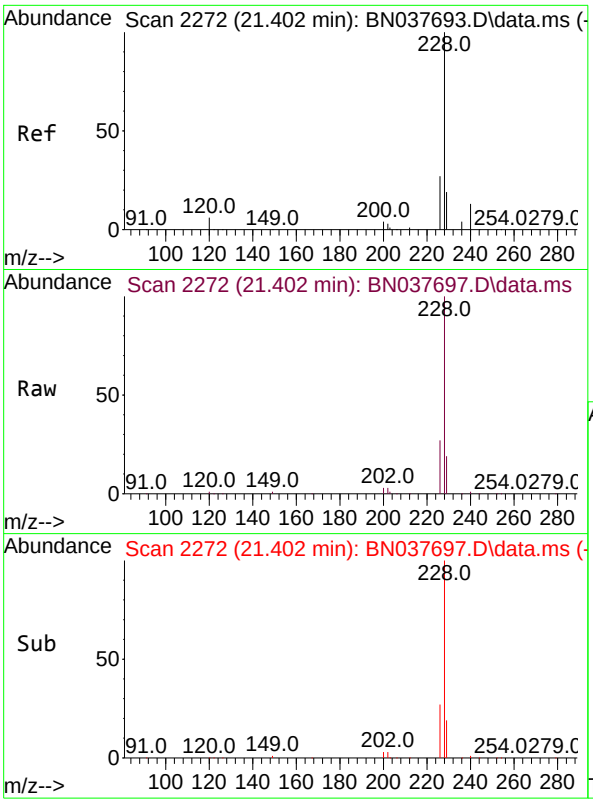


#31
Terphenyl-d14
Concen: 5.493 ng
RT: 19.870 min Scan# 2087
Delta R.T. 0.000 min
Lab File: BN037697.D
Acq: 11 Sep 2025 13:33

Tgt Ion:244 Resp: 145595

Ion	Ratio	Lower	Upper
244	100		
212	8.5	7.5	11.3
122	14.7	13.2	19.8



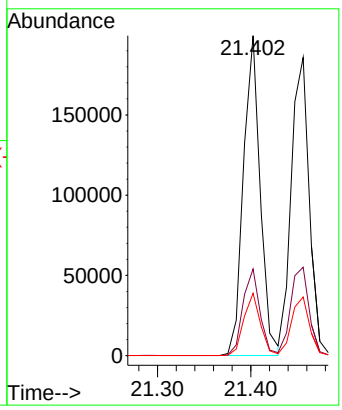


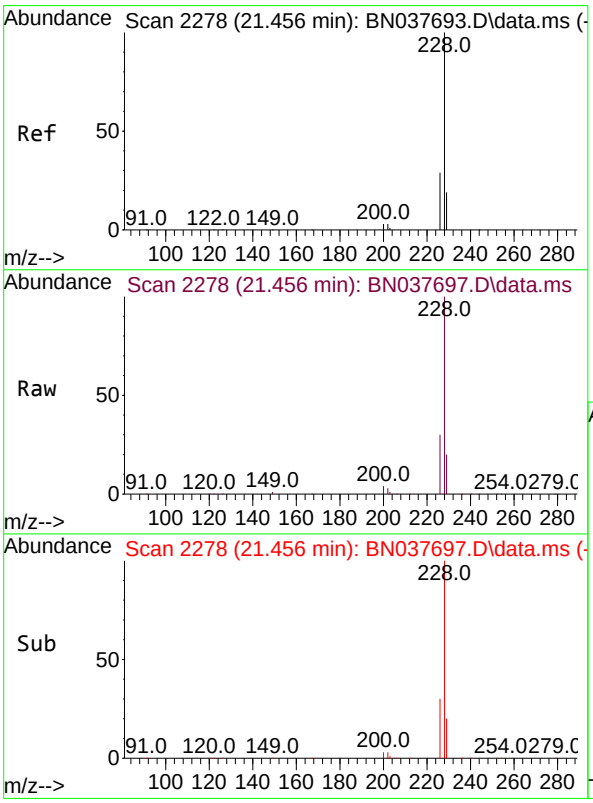
#32
Benzo(a)anthracene
Concen: 5.454 ng
RT: 21.402 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037697.D
Acq: 11 Sep 2025 13:33

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:228 Resp: 248434

Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.2	33.2
229	19.5	15.8	23.6

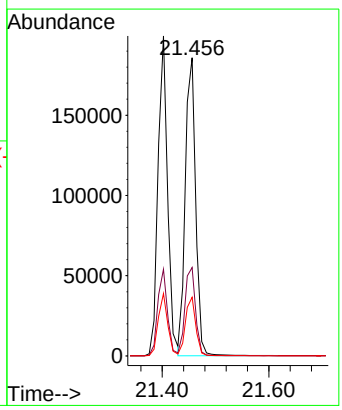


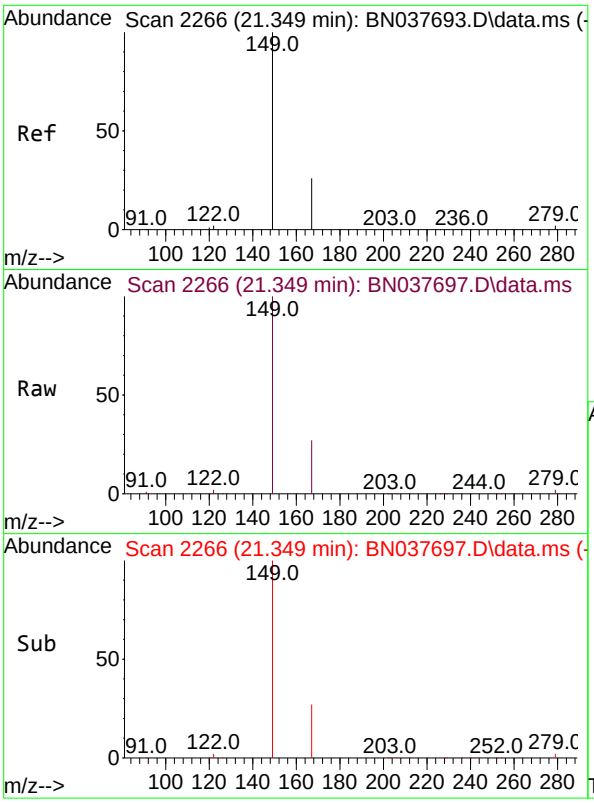


#33
Chrysene
Concen: 5.158 ng
RT: 21.456 min Scan# 2278
Delta R.T. 0.000 min
Lab File: BN037697.D
Acq: 11 Sep 2025 13:33

Tgt Ion:228 Resp: 251956

Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.5	35.3
229	19.7	15.9	23.9



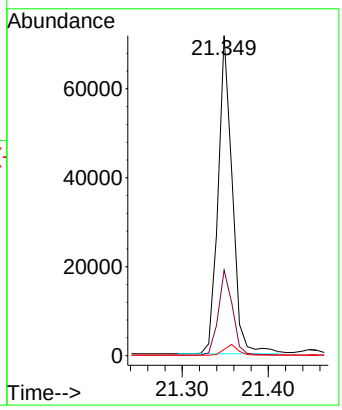


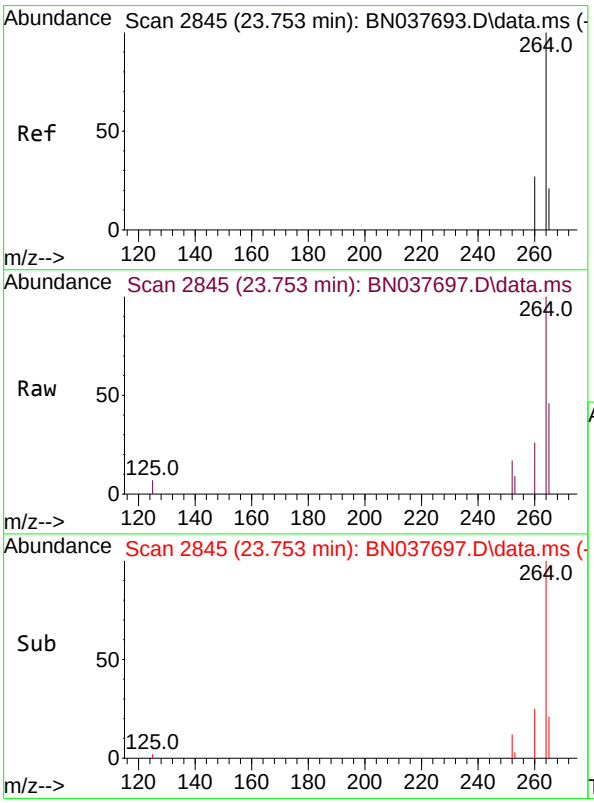
#34
Bis(2-ethylhexyl)phthalate
Concen: 6.091 ng
RT: 21.349 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037697.D
Acq: 11 Sep 2025 13:33

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:149 Resp: 82262

Ion	Ratio	Lower	Upper
149	100		
167	26.7	20.8	31.2
279	3.2	3.3	4.9#

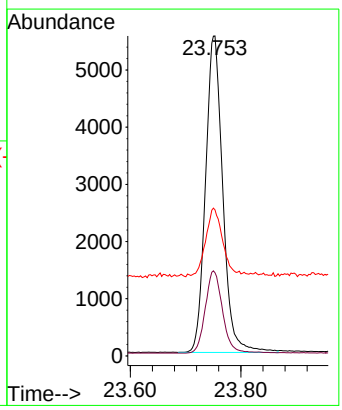


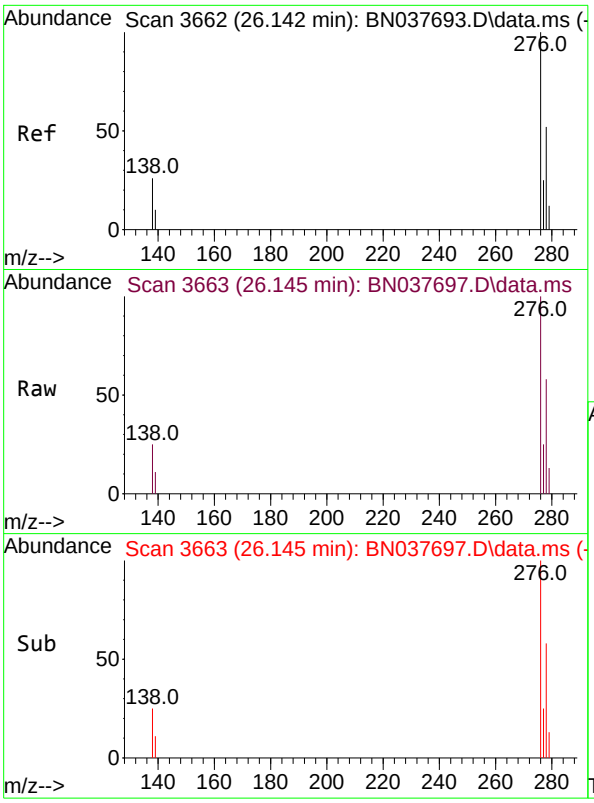


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.753 min Scan# 2845
Delta R.T. 0.000 min
Lab File: BN037697.D
Acq: 11 Sep 2025 13:33

Tgt Ion:264 Resp: 12009

Ion	Ratio	Lower	Upper
264	100		
260	26.0	21.8	32.8
265	45.6	39.4	59.2



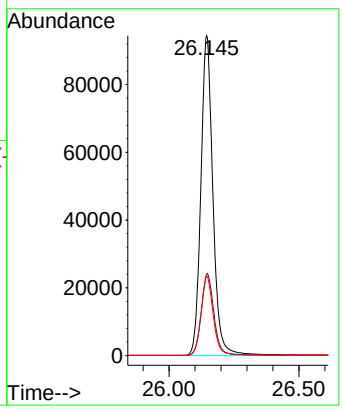


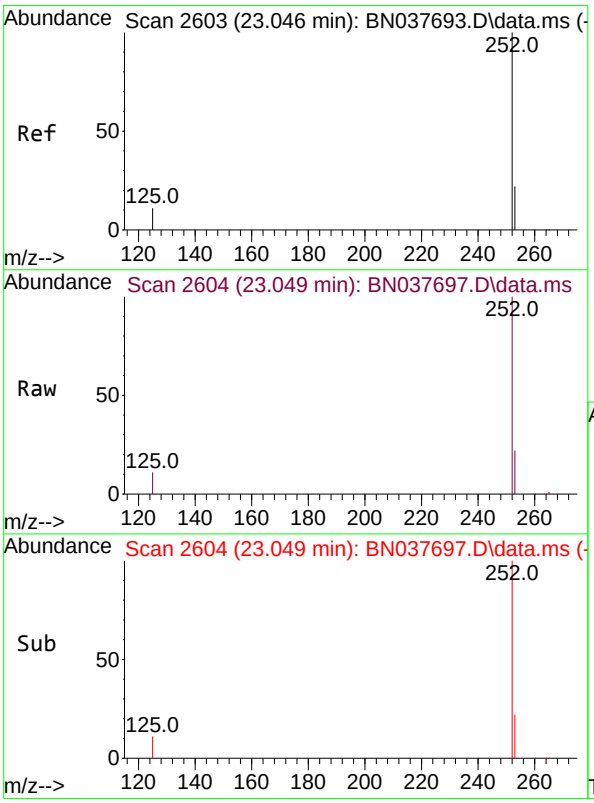
#36
Indeno(1,2,3-cd)pyrene
Concen: 6.024 ng
RT: 26.145 min Scan# 3
Delta R.T. 0.003 min
Lab File: BN037697.D
Acq: 11 Sep 2025 13:33

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:276 Resp: 303960

Ion	Ratio	Lower	Upper
276	100		
138	26.6	21.9	32.9
277	25.1	20.1	30.1

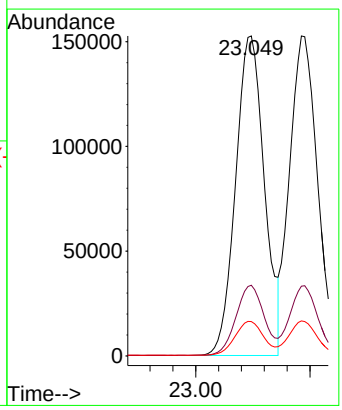


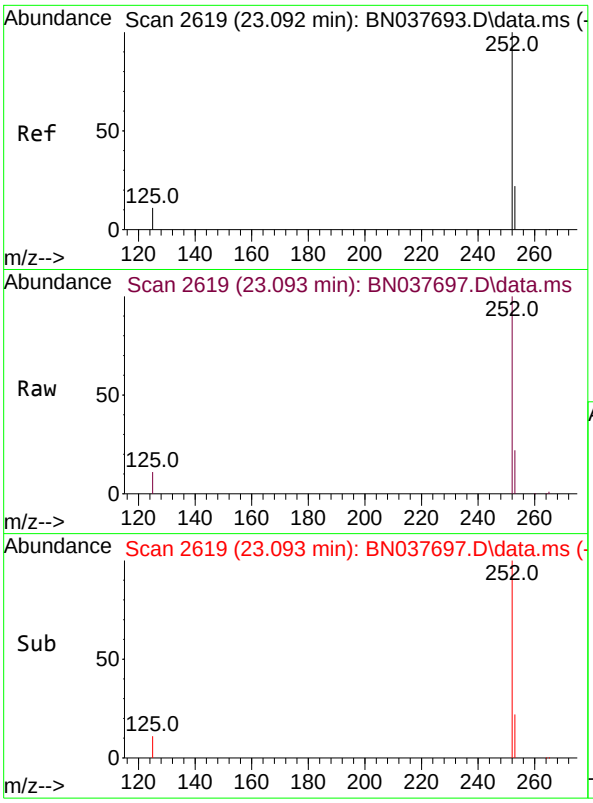


#37
Benzo(b)fluoranthene
Concen: 5.645 ng
RT: 23.049 min Scan# 2604
Delta R.T. 0.003 min
Lab File: BN037697.D
Acq: 11 Sep 2025 13:33

Tgt Ion:252 Resp: 266973

Ion	Ratio	Lower	Upper
252	100		
253	22.1	19.4	29.2
125	10.7	11.2	16.8#



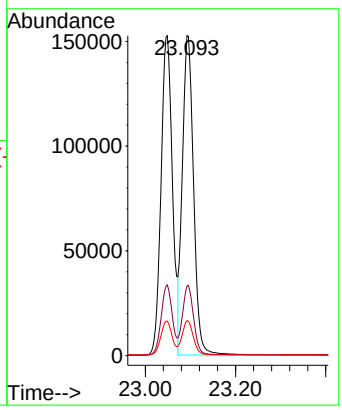


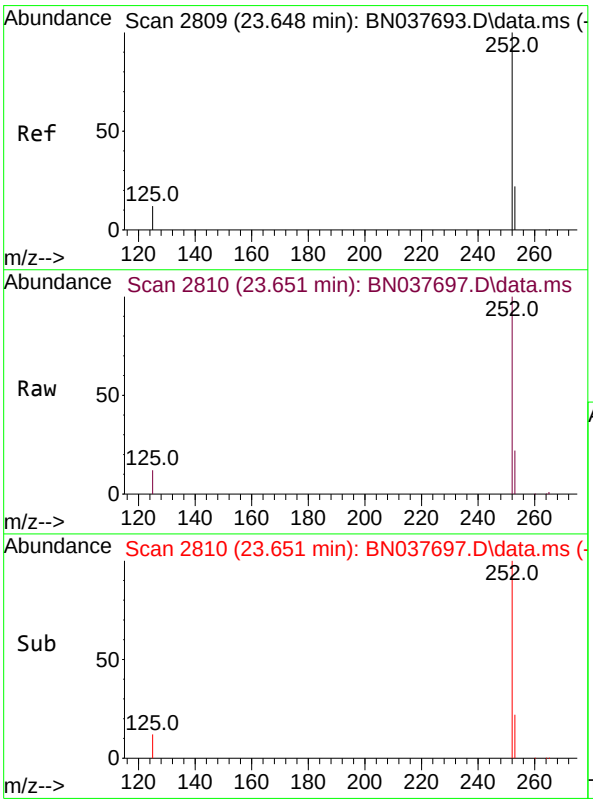
#38
Benzo(k)fluoranthene
Concen: 5.466 ng
RT: 23.093 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037697.D
Acq: 11 Sep 2025 13:33

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:252 Resp: 263641

Ion	Ratio	Lower	Upper
252	100		
253	21.8	19.4	29.0
125	10.9	11.6	17.4#

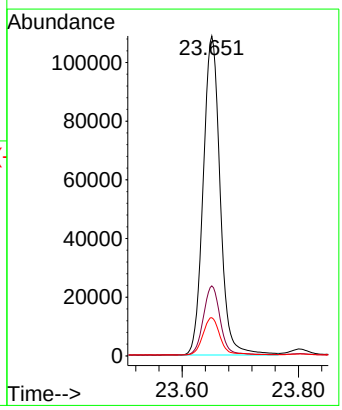


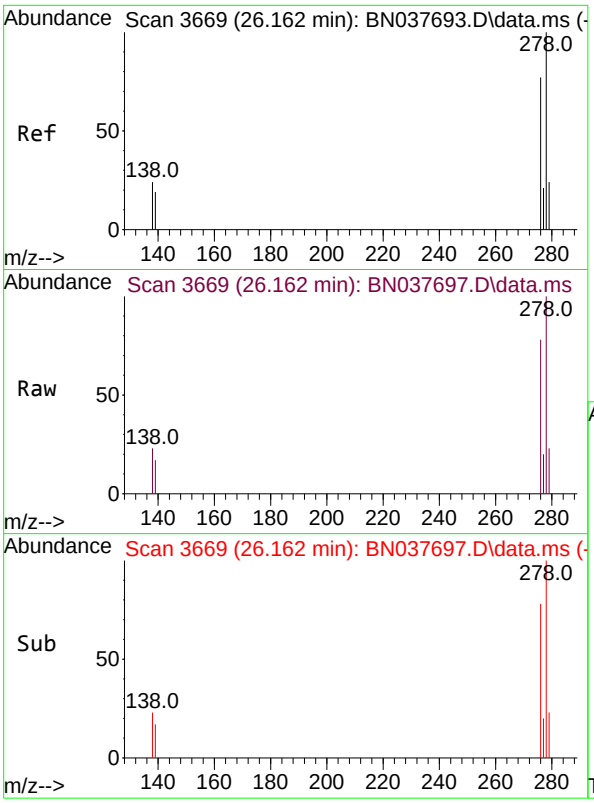


#39
Benzo(a)pyrene
Concen: 5.816 ng
RT: 23.651 min Scan# 2810
Delta R.T. 0.003 min
Lab File: BN037697.D
Acq: 11 Sep 2025 13:33

Tgt Ion:252 Resp: 220208

Ion	Ratio	Lower	Upper
252	100		
253	21.9	20.8	31.2
125	11.9	13.9	20.9#



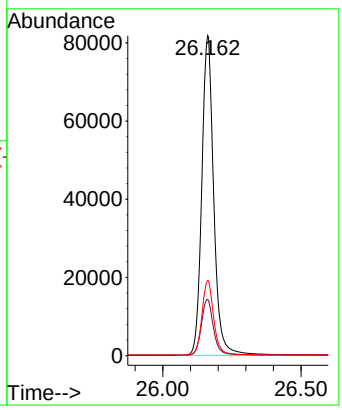


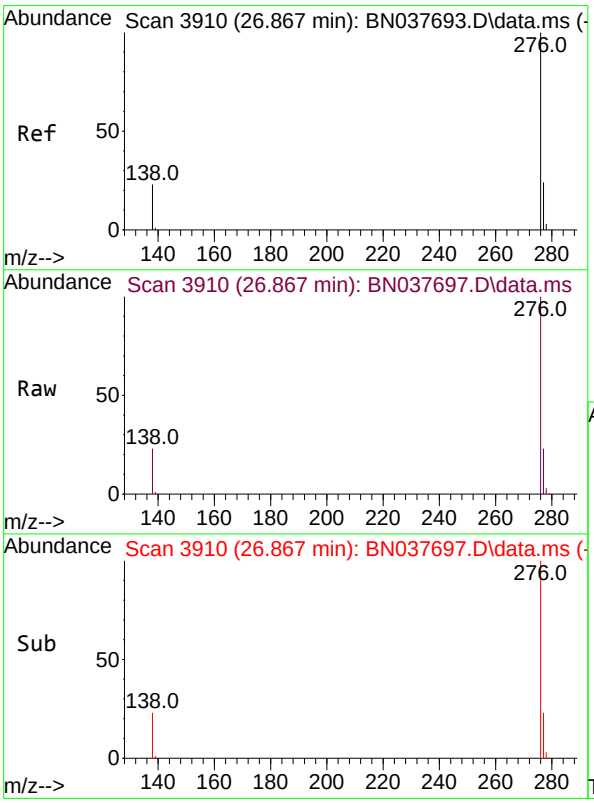
#40
Dibenzo(a,h)anthracene
Concen: 6.096 ng
RT: 26.162 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN037697.D
Acq: 11 Sep 2025 13:33

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:278 Resp: 245606

Ion	Ratio	Lower	Upper
278	100		
139	17.5	17.8	26.6#
279	23.5	22.0	33.0

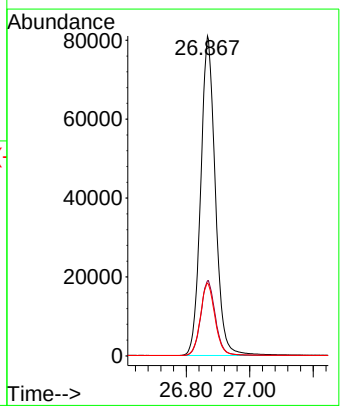




#41
Benzo(g,h,i)perylene
Concen: 5.720 ng
RT: 26.867 min Scan# 3910
Delta R.T. 0.000 min
Lab File: BN037697.D
Acq: 11 Sep 2025 13:33

Tgt Ion:276 Resp: 258594

Ion	Ratio	Lower	Upper
276	100		
277	23.5	20.6	31.0
138	22.7	20.2	30.2



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091125\
Data File : BN037698.D
Acq On : 11 Sep 2025 14:09
Operator : RC/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
ICVBN091125

Quant Time: Sep 11 16:00:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

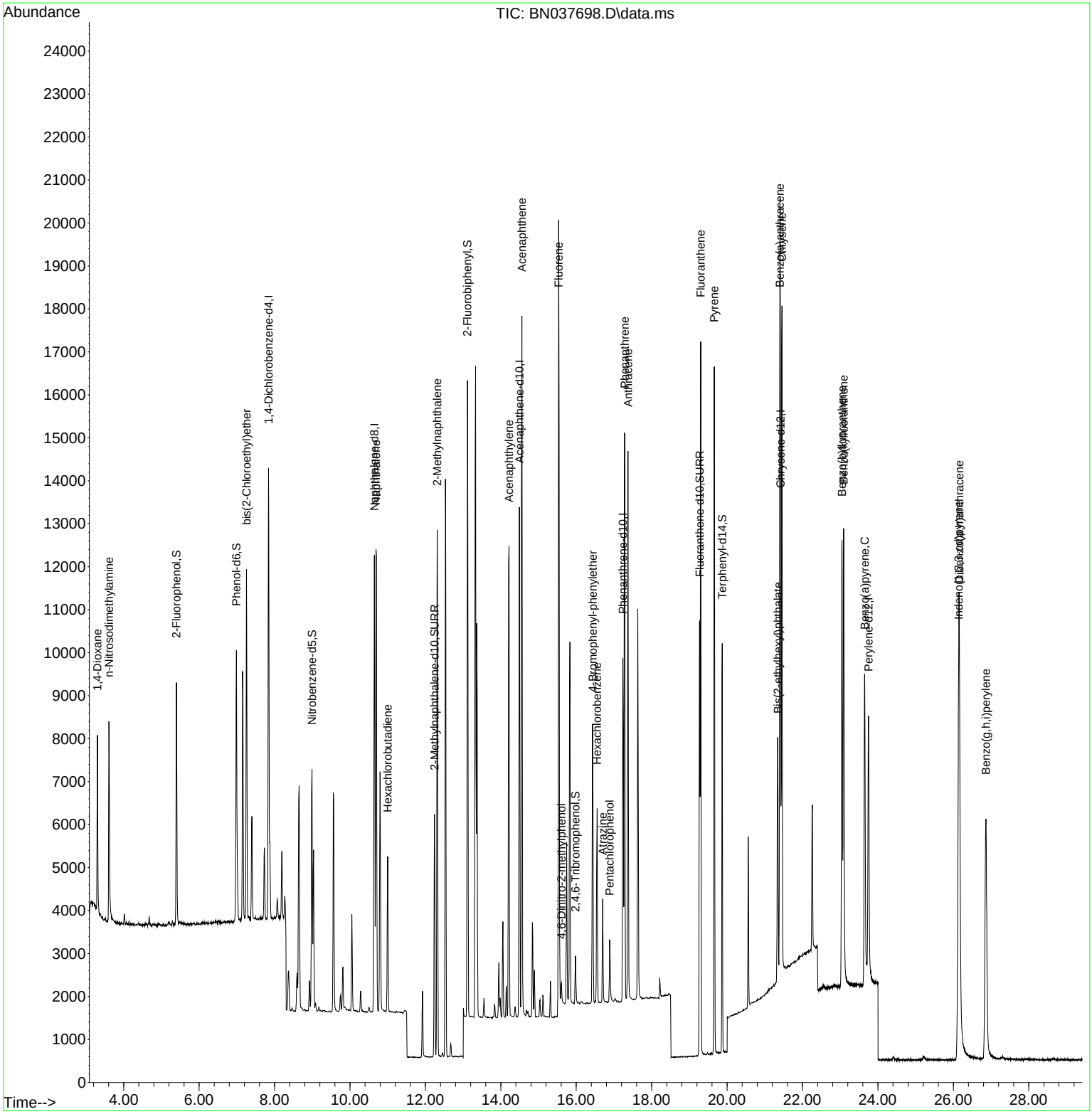
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.840	152	5029	0.400	ng		0.00
7) Naphthalene-d8	10.647	136	13552	0.400	ng		0.00
13) Acenaphthene-d10	14.494	164	6371	0.400	ng		0.00
19) Phenanthrene-d10	17.235	188	11165	0.400	ng		0.00
29) Chrysene-d12	21.420	240	8931	0.400	ng		0.00
35) Perylene-d12	23.750	264	8751	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.399	112	4545	0.394	ng		0.00
5) Phenol-d6	6.987	99	5691	0.380	ng		0.00
8) Nitrobenzene-d5	8.992	82	4501	0.454	ng		0.00
11) 2-Methylnaphthalene-d10	12.242	152	7632	0.425	ng		0.00
14) 2,4,6-Tribromophenol	15.982	330	629	0.379	ng		0.00
15) 2-Fluorobiphenyl	13.115	172	12687	0.476	ng		0.00
27) Fluoranthene-d10	19.271	212	11138	0.397	ng		0.00
31) Terphenyl-d14	19.870	244	8765	0.484	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.304	88	2457	0.469	ng		98
3) n-Nitrosodimethylamine	3.607	42	2924	0.427	ng	#	94
6) bis(2-Chloroethyl)ether	7.255	93	5769	0.431	ng		99
9) Naphthalene	10.690	128	15153	0.409	ng		100
10) Hexachlorobutadiene	11.000	225	2814	0.420	ng	#	99
12) 2-Methylnaphthalene	12.313	142	8593	0.375	ng		100
16) Acenaphthylene	14.216	152	12785	0.438	ng		100
17) Acenaphthene	14.558	154	7838	0.397	ng		99
18) Fluorene	15.535	166	9460	0.395	ng		98
20) 4,6-Dinitro-2-methylph...	15.609	198	392	0.379	ng		99
21) 4-Bromophenyl-phenylether	16.441	248	2975	0.409	ng		97
22) Hexachlorobenzene	16.552	284	3569	0.426	ng		99
23) Atrazine	16.701	200	1828	0.395	ng		99
24) Pentachlorophenol	16.888	266	785	0.323	ng		97
25) Phenanthrene	17.285	178	14262	0.406	ng		99
26) Anthracene	17.372	178	12642	0.406	ng		99
28) Fluoranthene	19.299	202	14471	0.375	ng		100
30) Pyrene	19.661	202	14323	0.410	ng		100
32) Benzo(a)anthracene	21.402	228	12803	0.411	ng		99
33) Chrysene	21.456	228	13963	0.418	ng		99
34) Bis(2-ethylhexyl)phtha...	21.348	149	3245	0.351	ng	#	98
36) Indeno(1,2,3-cd)pyrene	26.139	276	15430	0.420	ng		100
37) Benzo(b)fluoranthene	23.045	252	13718	0.398	ng		100
38) Benzo(k)fluoranthene	23.092	252	14465	0.412	ng		98
39) Benzo(a)pyrene	23.648	252	11950	0.433	ng		100
40) Dibenzo(a,h)anthracene	26.159	278	12290	0.419	ng		99
41) Benzo(g,h,i)perylene	26.864	276	13095	0.398	ng		99

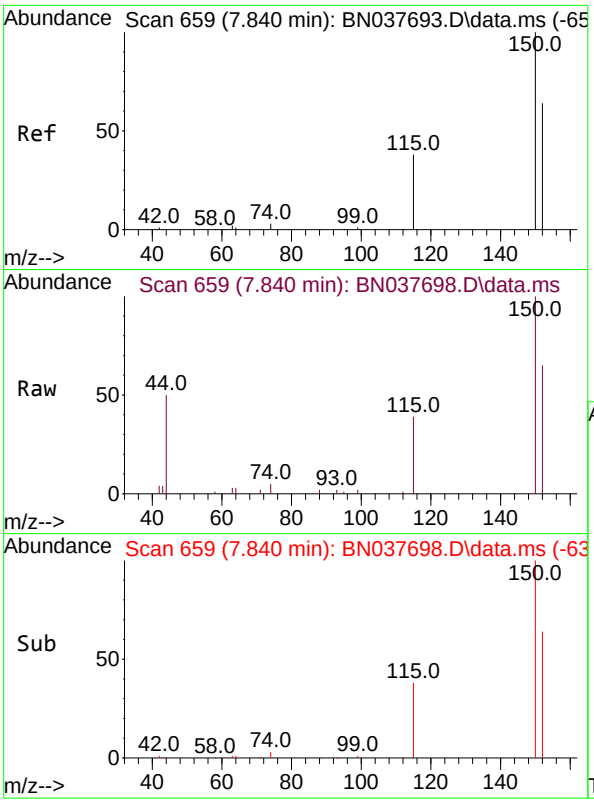
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091125\
Data File : BN037698.D
Acq On : 11 Sep 2025 14:09
Operator : RC/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
ICVBN091125

Quant Time: Sep 11 16:00:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration



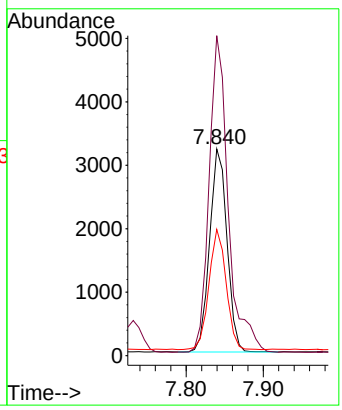


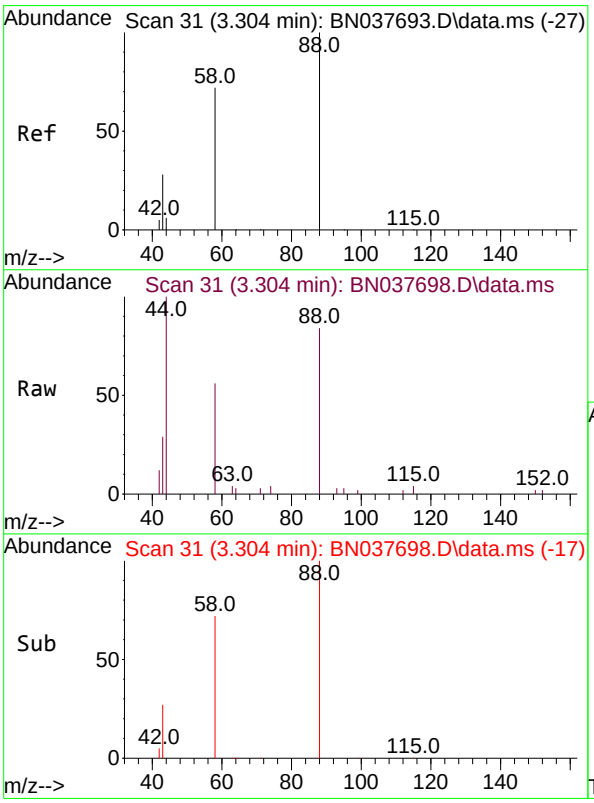
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.840 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN037698.D
Acq: 11 Sep 2025 14:09

Instrument :
BNA_N
ClientSampleId :
ICVBN091125

Tgt Ion:152 Resp: 5029

Ion	Ratio	Lower	Upper
152	100		
150	154.8	124.5	186.7
115	61.0	49.2	73.8

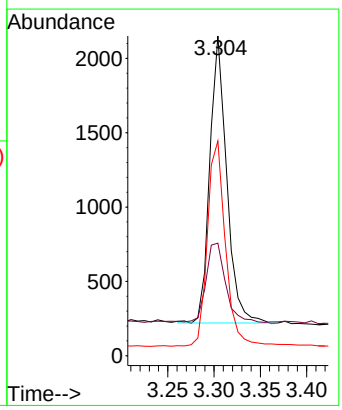


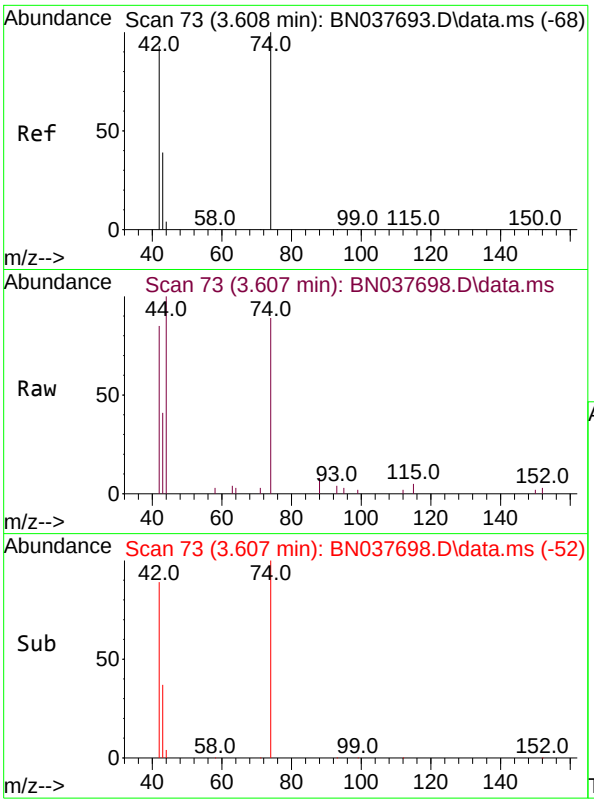


#2
1,4-Dioxane
Concen: 0.469 ng
RT: 3.304 min Scan# 31
Delta R.T. -0.000 min
Lab File: BN037698.D
Acq: 11 Sep 2025 14:09

Tgt Ion: 88 Resp: 2457

Ion	Ratio	Lower	Upper
88	100		
43	31.5	26.8	40.2
58	76.6	61.9	92.9



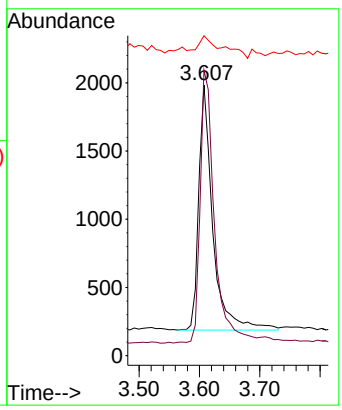


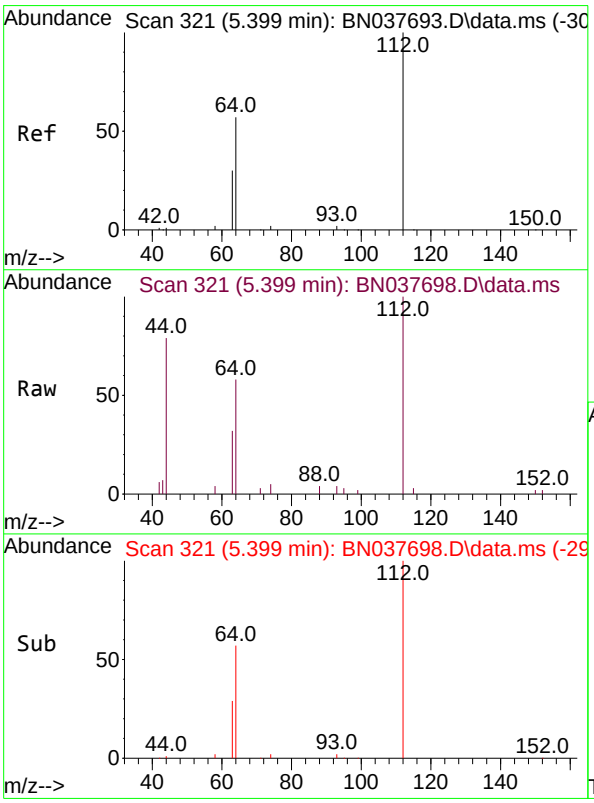
#3
n-Nitrosodimethylamine
Concen: 0.427 ng
RT: 3.607 min Scan# 7
Delta R.T. -0.000 min
Lab File: BN037698.D
Acq: 11 Sep 2025 14:09

Instrument :
BNA_N
ClientSampleId :
ICVBN091125

Tgt Ion: 42 Resp: 2924

Ion	Ratio	Lower	Upper
42	100		
74	112.9	86.0	129.0
44	15.6	8.4	12.6#

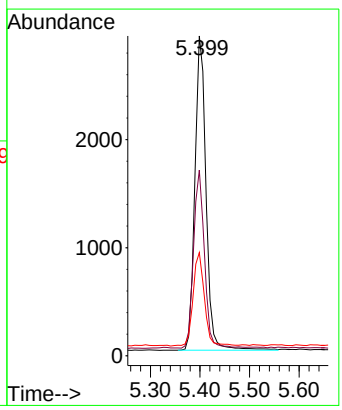


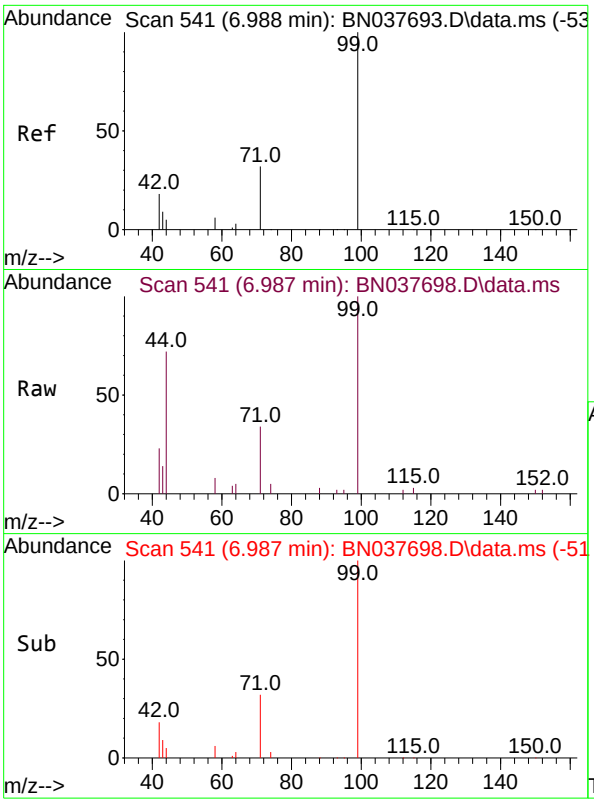


#4
2-Fluorophenol
Concen: 0.394 ng
RT: 5.399 min Scan# 321
Delta R.T. -0.000 min
Lab File: BN037698.D
Acq: 11 Sep 2025 14:09

Tgt Ion:112 Resp: 4545

Ion	Ratio	Lower	Upper
112	100		
64	55.4	44.9	67.3
63	30.2	24.7	37.1



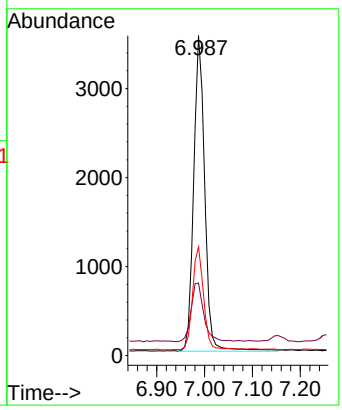


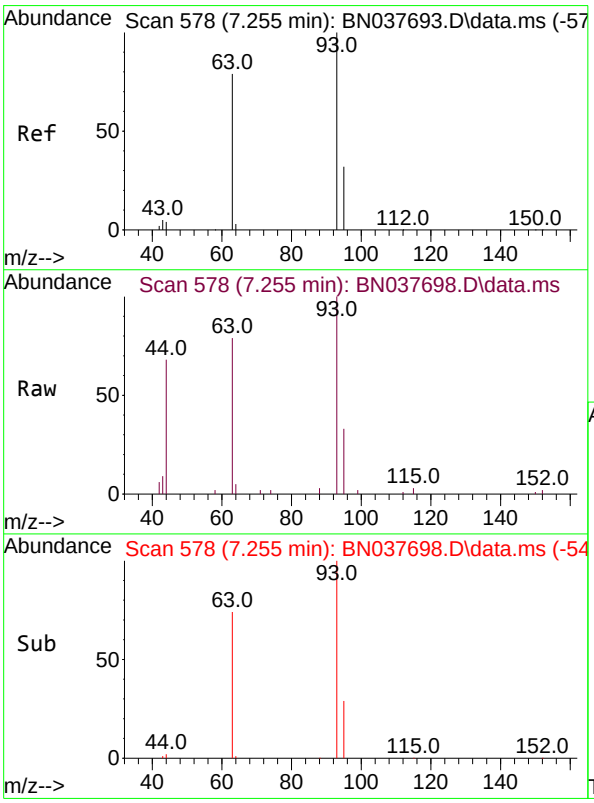
#5
Phenol-d6
Concen: 0.380 ng
RT: 6.987 min Scan# 54
Delta R.T. -0.000 min
Lab File: BN037698.D
Acq: 11 Sep 2025 14:09

Instrument :
BNA_N
ClientSampleId :
ICVBN091125

Tgt Ion: 99 Resp: 5691

Ion	Ratio	Lower	Upper
99	100		
42	21.3	16.6	24.8
71	32.6	26.7	40.1

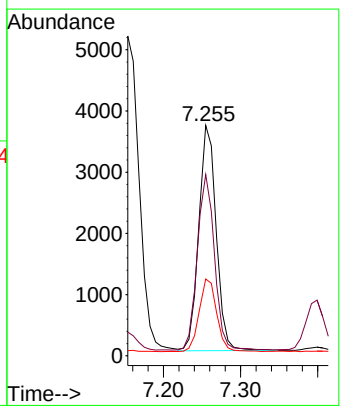


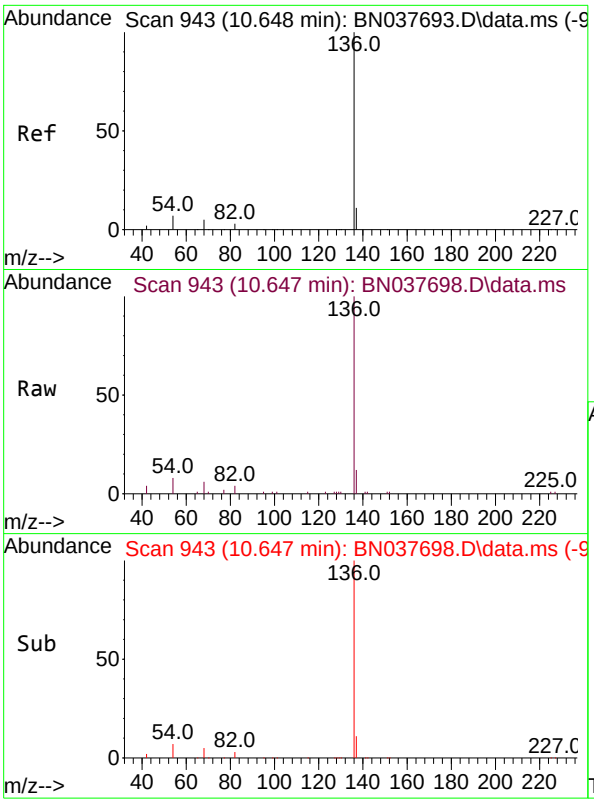


#6
bis(2-Chloroethyl)ether
Concen: 0.431 ng
RT: 7.255 min Scan# 578
Delta R.T. -0.000 min
Lab File: BN037698.D
Acq: 11 Sep 2025 14:09

Tgt Ion: 93 Resp: 5769

Ion	Ratio	Lower	Upper
93	100		
63	76.7	60.6	90.8
95	32.7	26.0	39.0



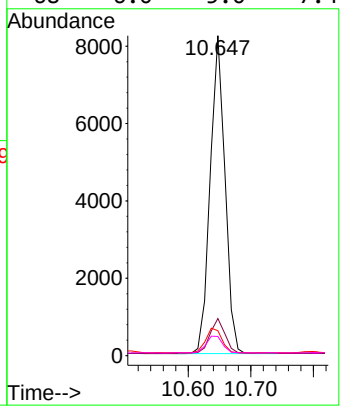


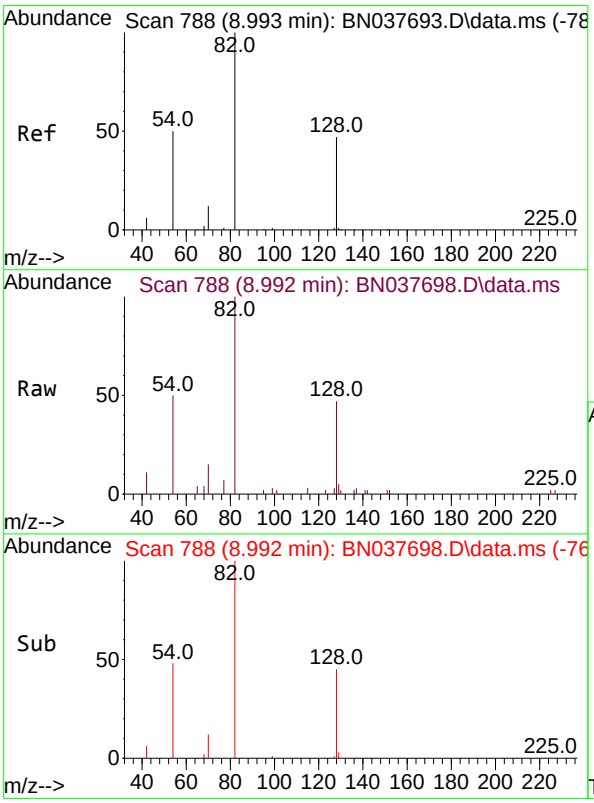
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.647 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN037698.D
Acq: 11 Sep 2025 14:09

Instrument :
BNA_N
ClientSampleId :
ICVBN091125

Tgt Ion:136 Resp: 13552

Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.1	13.7
54	7.8	6.3	9.5
68	6.0	5.0	7.4

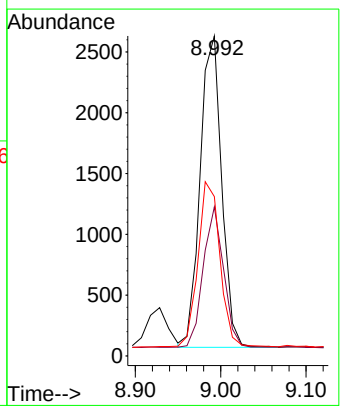


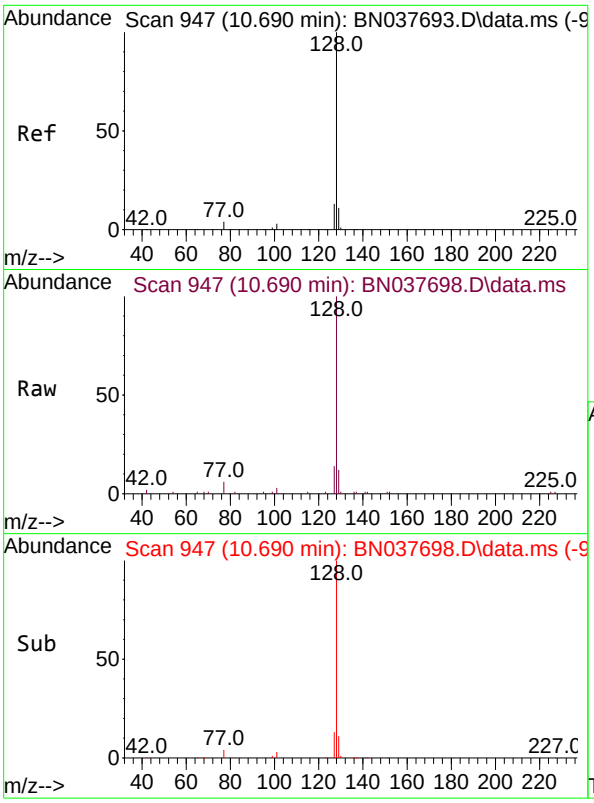


#8
Nitrobenzene-d5
Concen: 0.454 ng
RT: 8.992 min Scan# 788
Delta R.T. -0.000 min
Lab File: BN037698.D
Acq: 11 Sep 2025 14:09

Tgt Ion: 82 Resp: 4501

Ion	Ratio	Lower	Upper
82	100		
128	46.6	38.3	57.5
54	49.8	41.4	62.2



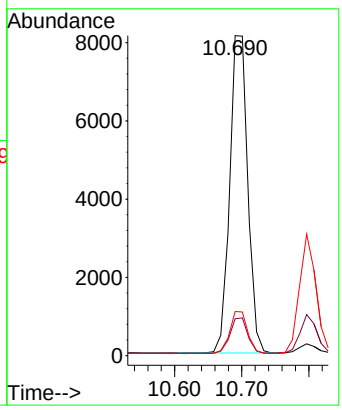


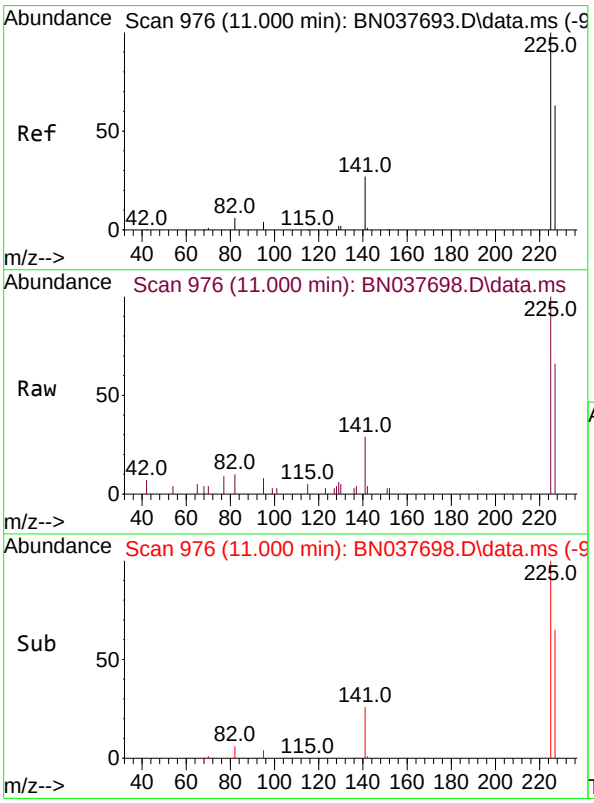
#9
Naphthalene
Concen: 0.409 ng
RT: 10.690 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN037698.D
Acq: 11 Sep 2025 14:09

Instrument :
BNA_N
ClientSampleId :
ICVBN091125

Tgt Ion:128 Resp: 15153

Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.1	13.7
127	13.8	10.9	16.3

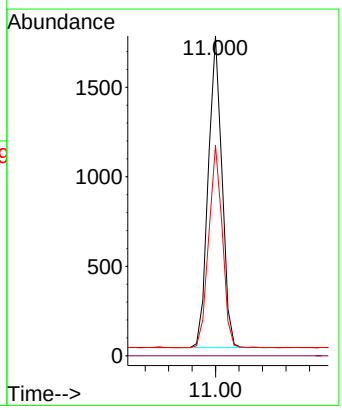


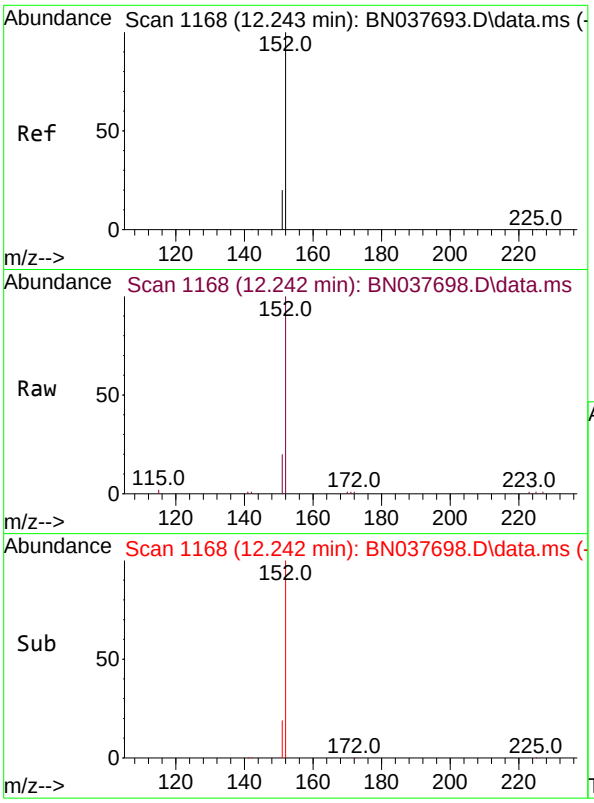


#10
Hexachlorobutadiene
Concen: 0.420 ng
RT: 11.000 min Scan# 976
Delta R.T. -0.000 min
Lab File: BN037698.D
Acq: 11 Sep 2025 14:09

Tgt Ion:225 Resp: 2814

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.2	50.9	76.3



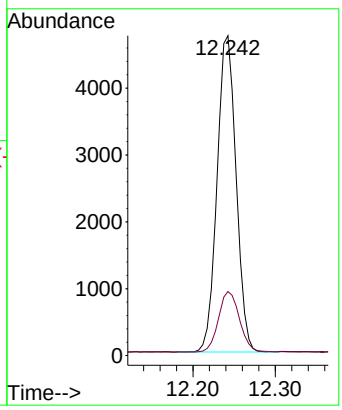


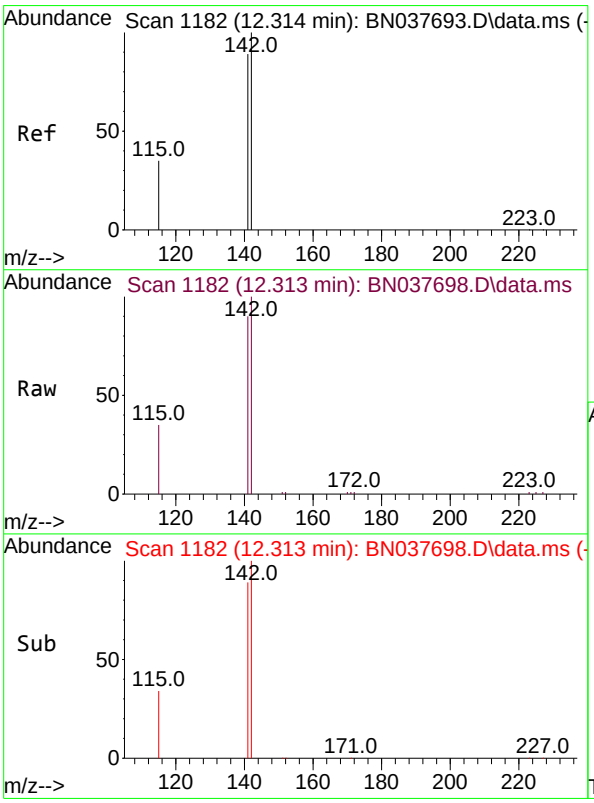
#11
2-Methylnaphthalene-d10
Concen: 0.425 ng
RT: 12.242 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN037698.D
Acq: 11 Sep 2025 14:09

Instrument :
BNA_N
ClientSampleId :
ICVBN091125

Tgt Ion:152 Resp: 7632

Ion	Ratio	Lower	Upper
152	100		
151	20.9	17.0	25.6

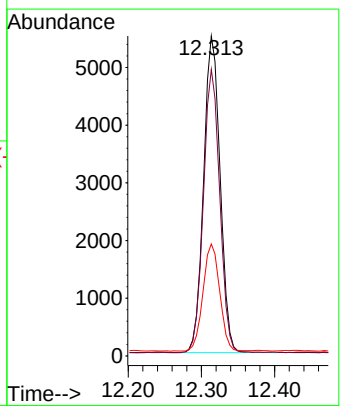


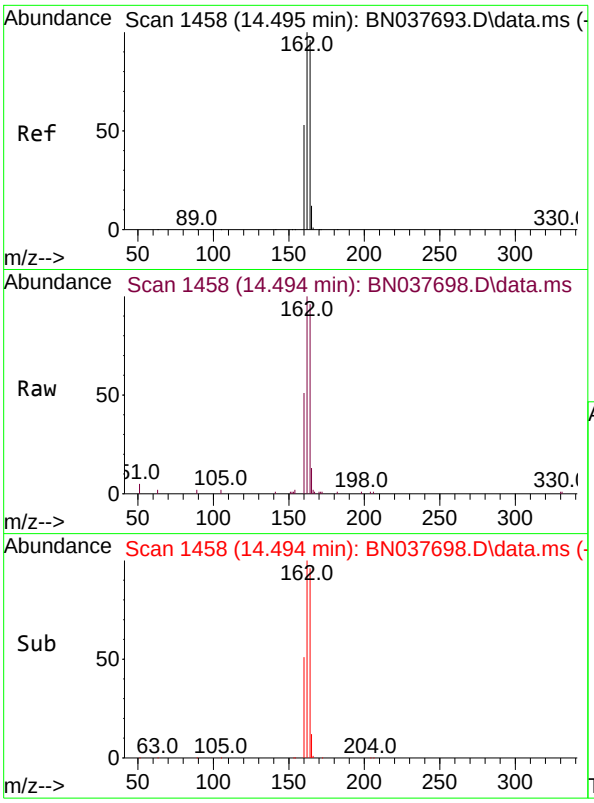


#12
2-Methylnaphthalene
Concen: 0.375 ng
RT: 12.313 min Scan# 1182
Delta R.T. -0.000 min
Lab File: BN037698.D
Acq: 11 Sep 2025 14:09

Tgt Ion:142 Resp: 8593

Ion	Ratio	Lower	Upper
142	100		
141	89.5	71.6	107.4
115	35.0	28.6	43.0



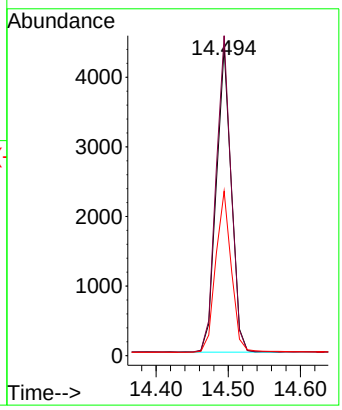


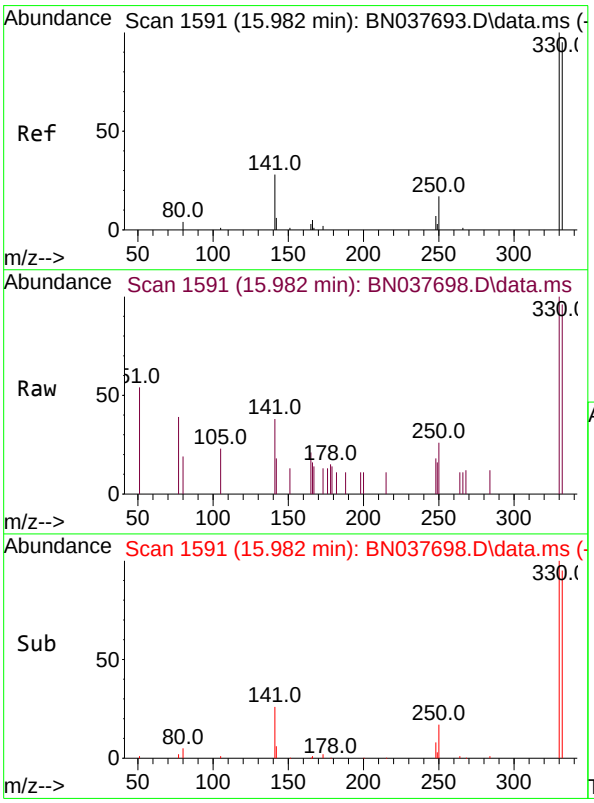
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.494 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN037698.D
Acq: 11 Sep 2025 14:09

Instrument :
BNA_N
ClientSampleId :
ICVBN091125

Tgt Ion:164 Resp: 6371

Ion	Ratio	Lower	Upper
164	100		
162	103.9	83.1	124.7
160	53.4	44.3	66.5

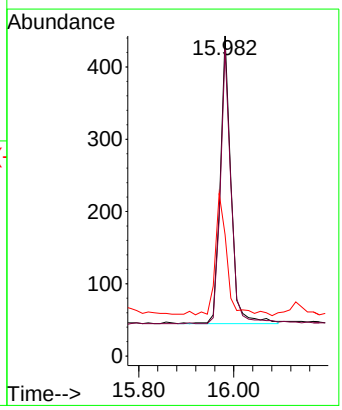


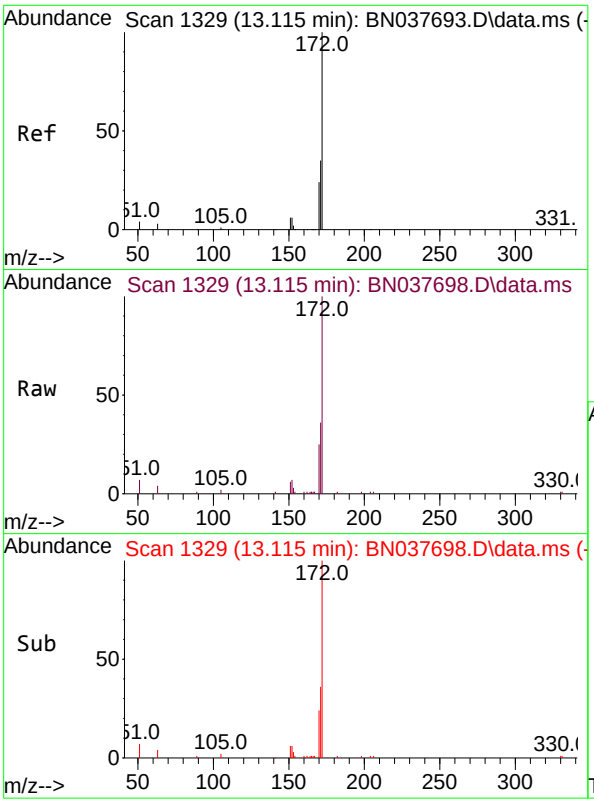


#14
2,4,6-Tribromophenol
Concen: 0.379 ng
RT: 15.982 min Scan# 1591
Delta R.T. -0.000 min
Lab File: BN037698.D
Acq: 11 Sep 2025 14:09

Tgt Ion:330 Resp: 629

Ion	Ratio	Lower	Upper
330	100		
332	94.8	75.3	112.9
141	45.9	35.0	52.4



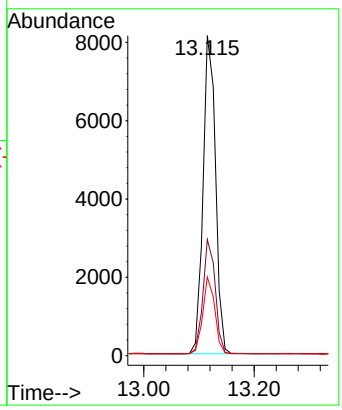


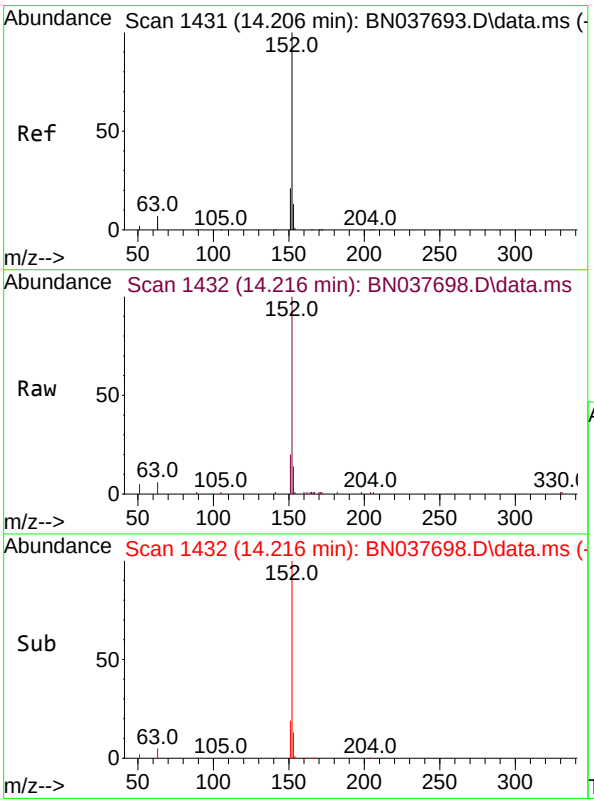
#15
2-Fluorobiphenyl
Concen: 0.476 ng
RT: 13.115 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037698.D
Acq: 11 Sep 2025 14:09

Instrument :
BNA_N
ClientSampleId :
ICVBN091125

Tgt Ion:172 Resp: 12687

Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.6	43.0
170	24.6	19.8	29.8

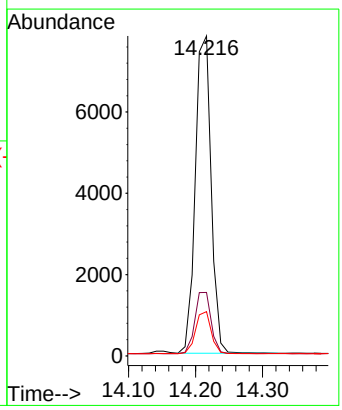


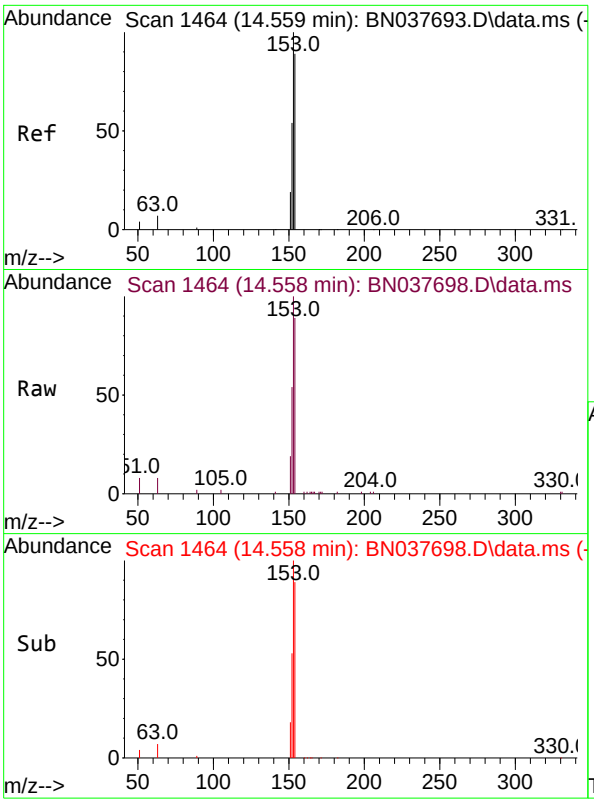


#16
Acenaphthylene
Concen: 0.438 ng
RT: 14.216 min Scan# 1432
Delta R.T. 0.010 min
Lab File: BN037698.D
Acq: 11 Sep 2025 14:09

Tgt Ion:152 Resp: 12785

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.2	24.2
153	13.2	10.4	15.6



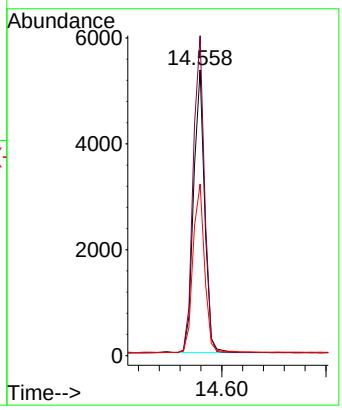


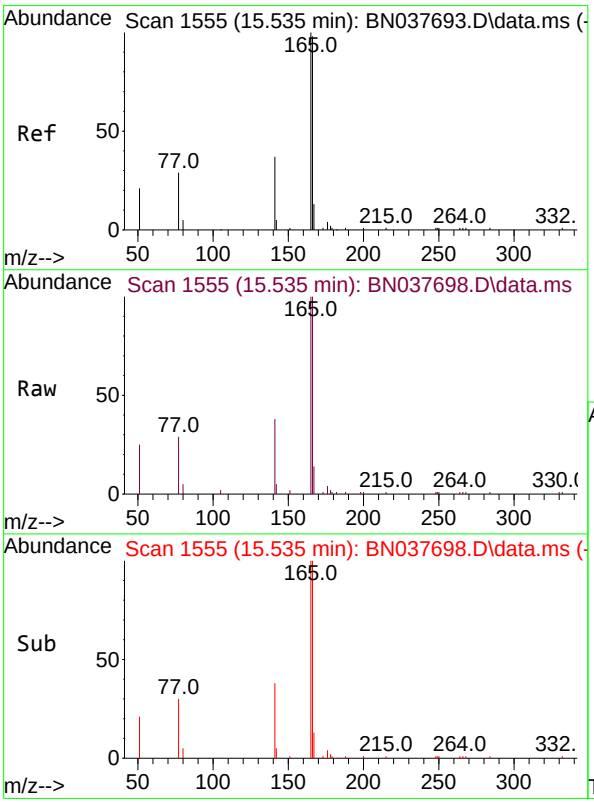
#17
Acenaphthene
Concen: 0.397 ng
RT: 14.558 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN037698.D
Acq: 11 Sep 2025 14:09

Instrument :
BNA_N
ClientSampleId :
ICVBN091125

Tgt Ion:154 Resp: 7838

Ion	Ratio	Lower	Upper
154	100		
153	114.1	89.8	134.8
152	63.0	50.2	75.2

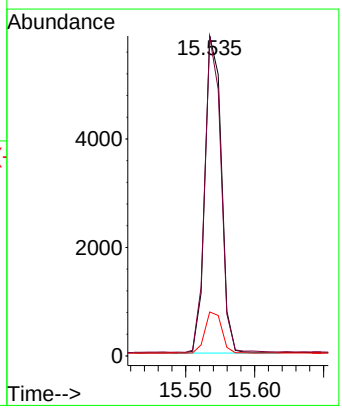


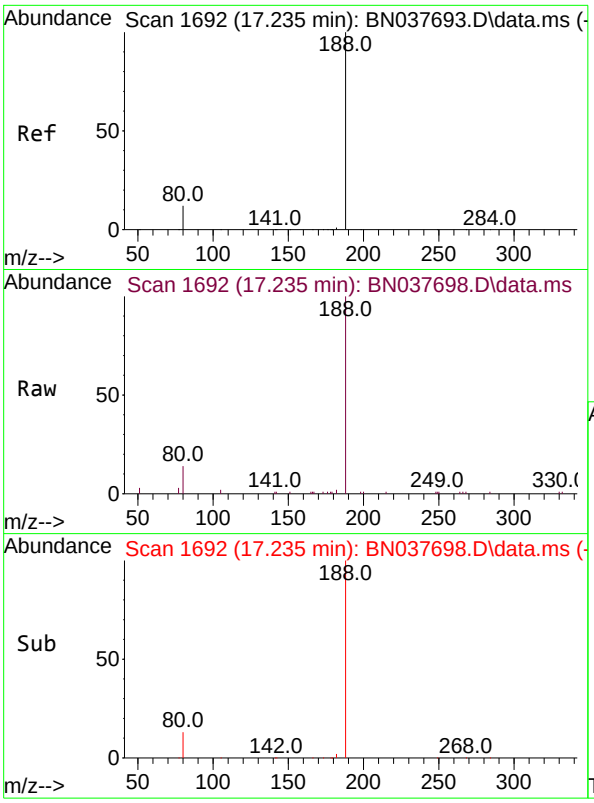


#18
Fluorene
Concen: 0.395 ng
RT: 15.535 min Scan# 1555
Delta R.T. -0.000 min
Lab File: BN037698.D
Acq: 11 Sep 2025 14:09

Tgt Ion:166 Resp: 9460

Ion	Ratio	Lower	Upper
166	100		
165	97.0	79.6	119.4
167	12.8	10.6	16.0



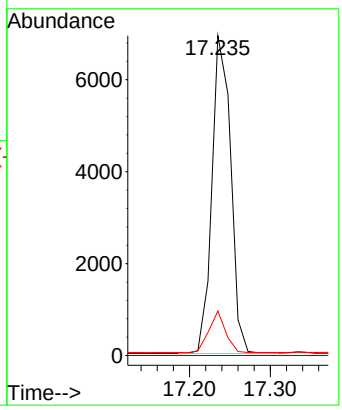


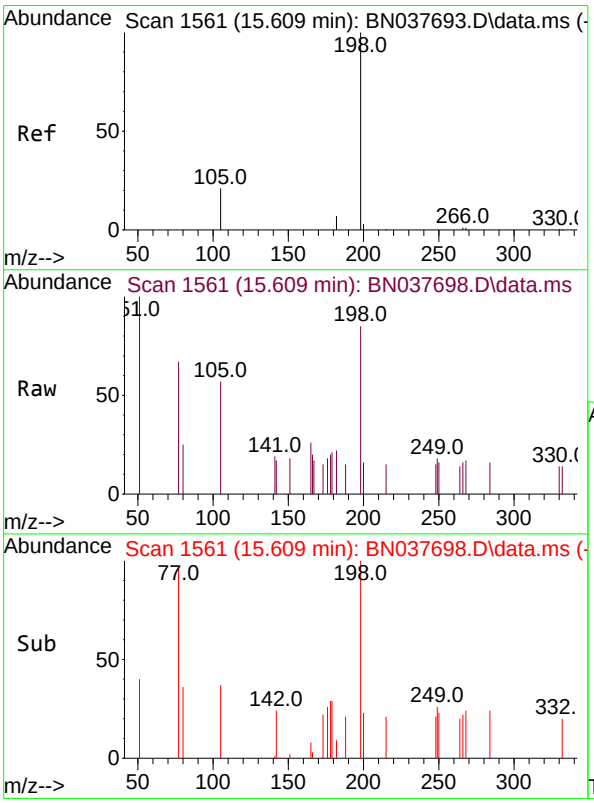
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.235 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037698.D
Acq: 11 Sep 2025 14:09

Instrument :
BNA_N
ClientSampleId :
ICVBN091125

Tgt Ion:188 Resp: 11165

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	13.9	10.6	15.8

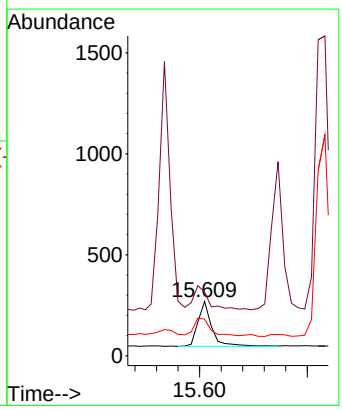


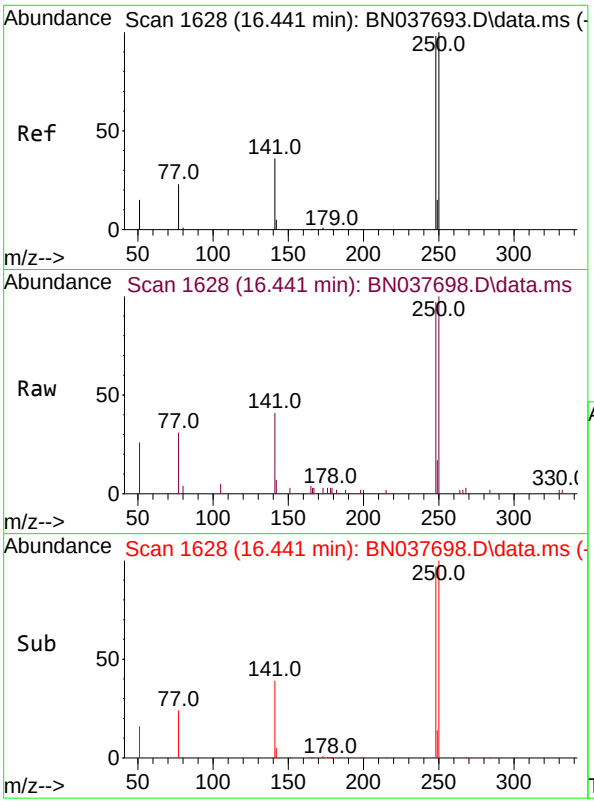


#20
4,6-Dinitro-2-methylphenol
Concen: 0.379 ng
RT: 15.609 min Scan# 1561
Delta R.T. 0.000 min
Lab File: BN037698.D
Acq: 11 Sep 2025 14:09

Tgt Ion:198 Resp: 392

Ion	Ratio	Lower	Upper
198	100		
51	117.5	95.1	142.7
105	67.3	53.8	80.6



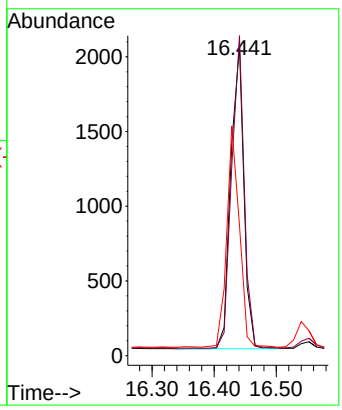


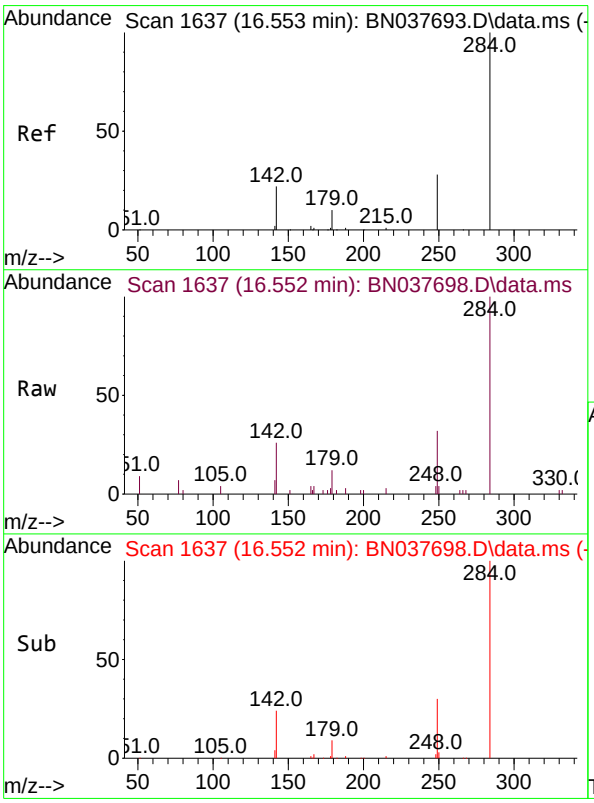
#21
4-Bromophenyl-phenylether
Concen: 0.409 ng
RT: 16.441 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN037698.D
Acq: 11 Sep 2025 14:09

Instrument :
BNA_N
ClientSampleId :
ICVBN091125

Tgt Ion:248 Resp: 2975

Ion	Ratio	Lower	Upper
248	100		
250	103.5	81.5	122.3
141	42.2	30.8	46.2

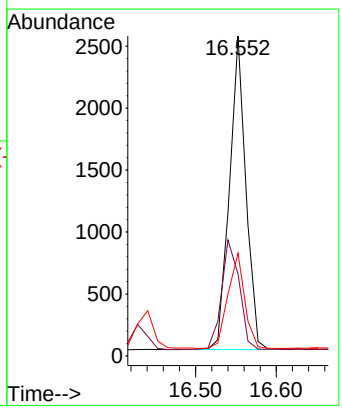


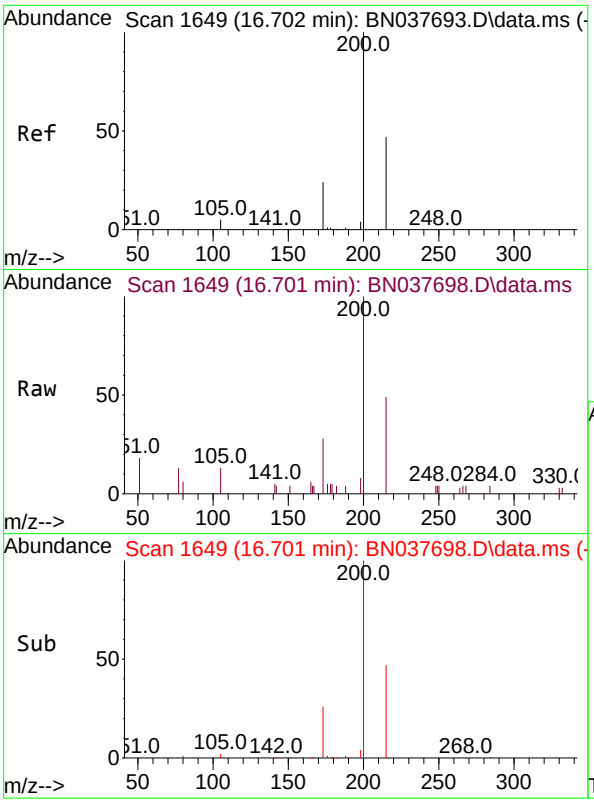


#22
Hexachlorobenzene
Concen: 0.426 ng
RT: 16.552 min Scan# 1637
Delta R.T. -0.000 min
Lab File: BN037698.D
Acq: 11 Sep 2025 14:09

Tgt Ion:284 Resp: 3569

Ion	Ratio	Lower	Upper
284	100		
142	37.8	30.9	46.3
249	31.2	24.8	37.2



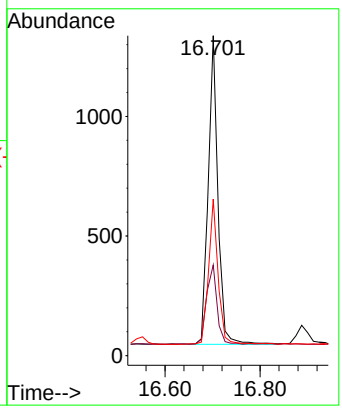


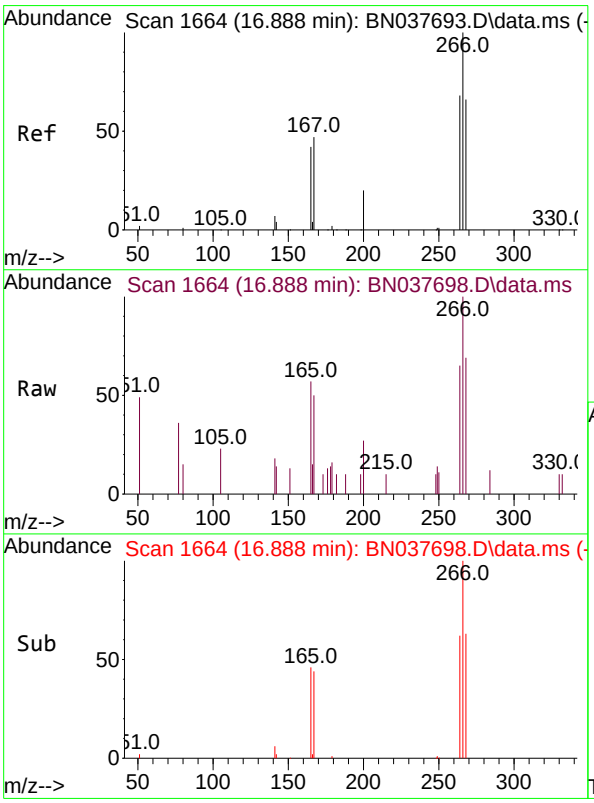
#23
Atrazine
Concen: 0.395 ng
RT: 16.701 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037698.D
Acq: 11 Sep 2025 14:09

Instrument :
BNA_N
ClientSampleId :
ICVBN091125

Tgt Ion:200 Resp: 1828

Ion	Ratio	Lower	Upper
200	100		
173	28.3	21.4	32.2
215	49.0	39.2	58.8

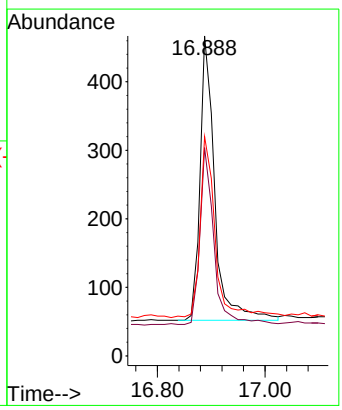


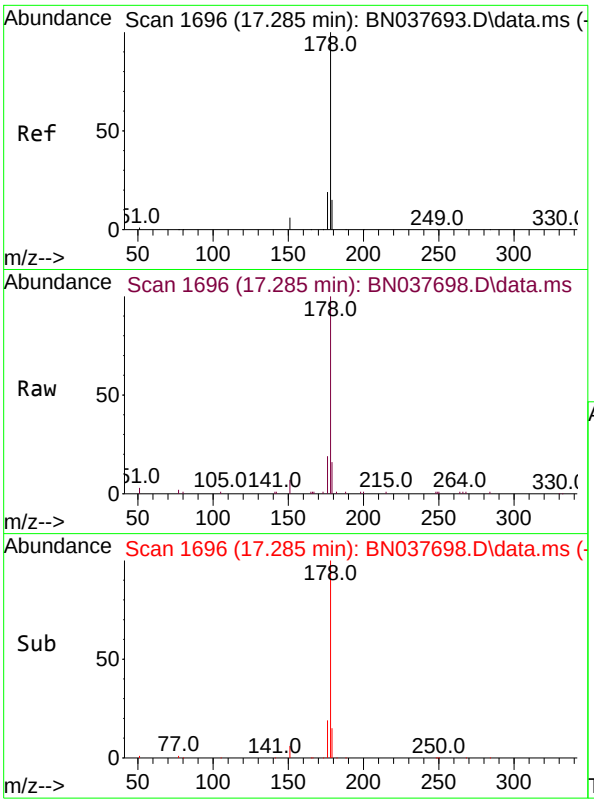


#24
Pentachlorophenol
Concen: 0.323 ng
RT: 16.888 min Scan# 1664
Delta R.T. -0.000 min
Lab File: BN037698.D
Acq: 11 Sep 2025 14:09

Tgt Ion:266 Resp: 785

Ion	Ratio	Lower	Upper
266	100		
264	61.0	51.6	77.4
268	66.0	53.2	79.8



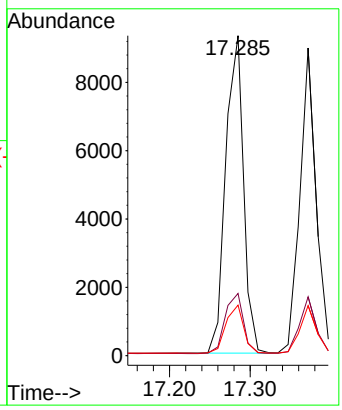


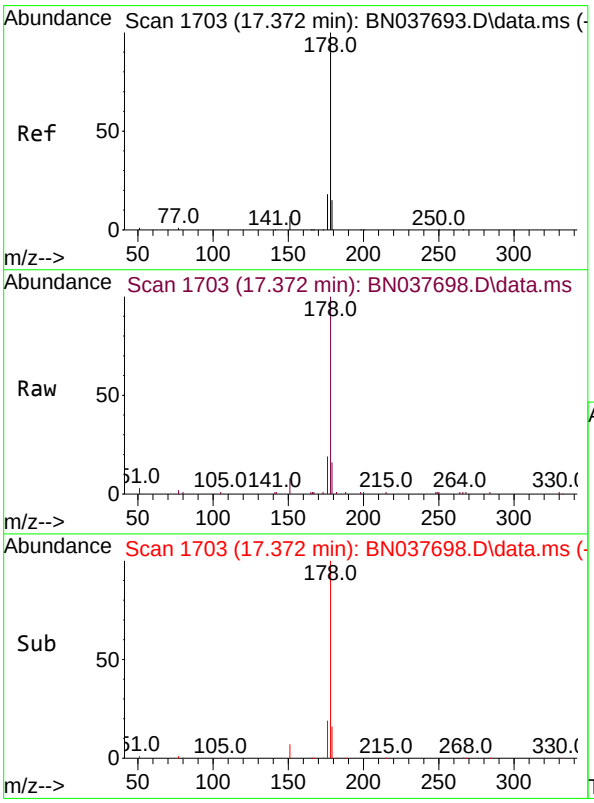
#25
Phenanthrene
Concen: 0.406 ng
RT: 17.285 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037698.D
Acq: 11 Sep 2025 14:09

Instrument :
BNA_N
ClientSampleId :
ICVBN091125

Tgt Ion:178 Resp: 14262

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.3	22.9
179	15.6	12.2	18.2

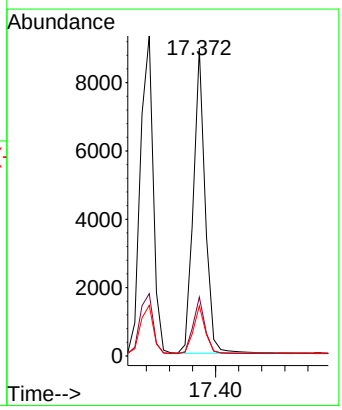


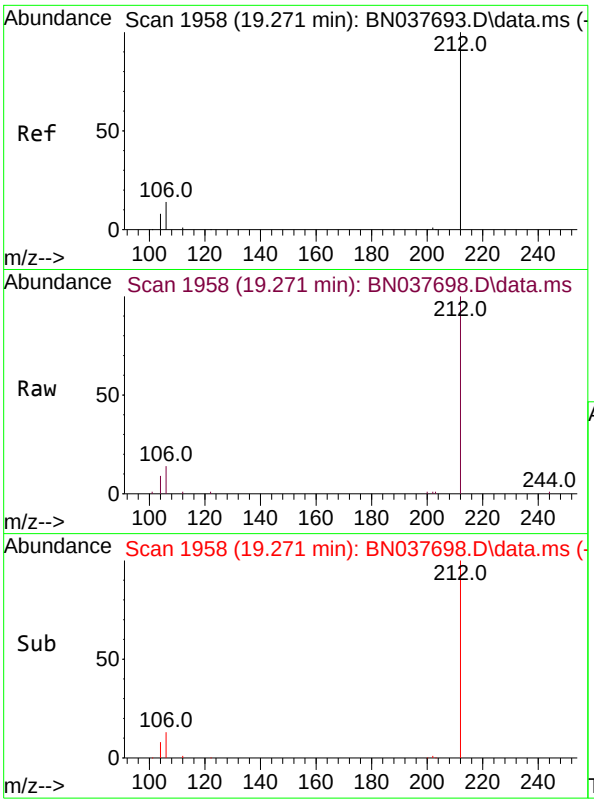


#26
Anthracene
Concen: 0.406 ng
RT: 17.372 min Scan# 1703
Delta R.T. -0.000 min
Lab File: BN037698.D
Acq: 11 Sep 2025 14:09

Tgt Ion:178 Resp: 12642

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.6	22.0
179	15.7	12.2	18.4



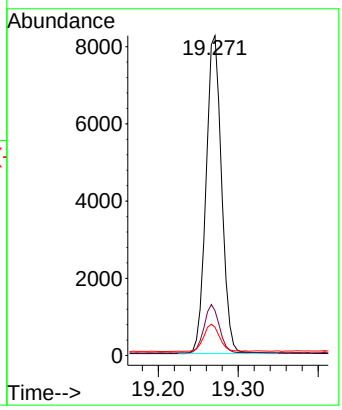


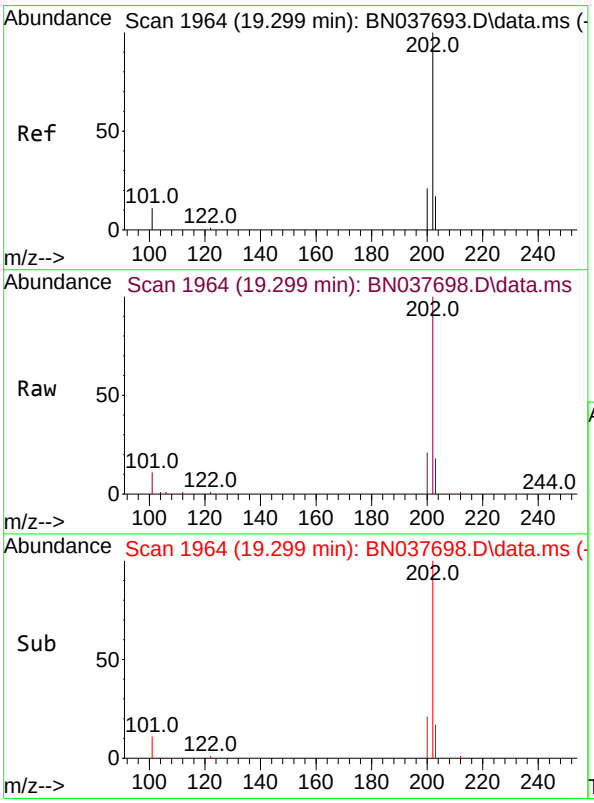
#27
Fluoranthene-d10
Concen: 0.397 ng
RT: 19.271 min Scan# 19
Delta R.T. -0.000 min
Lab File: BN037698.D
Acq: 11 Sep 2025 14:09

Instrument :
BNA_N
ClientSampleId :
ICVBN091125

Tgt Ion:212 Resp: 11138

Ion	Ratio	Lower	Upper
212	100		
106	15.1	12.2	18.2
104	8.8	6.9	10.3

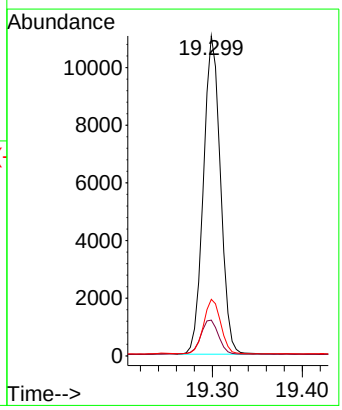


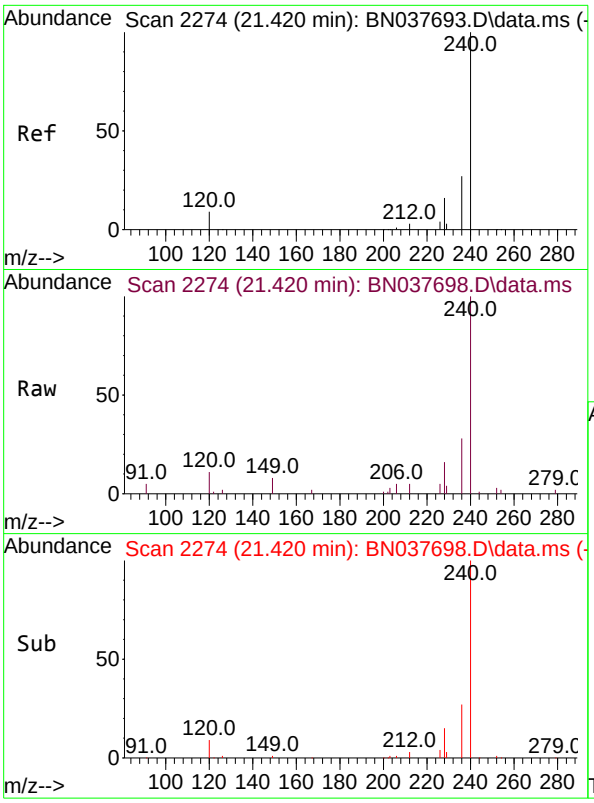


#28
Fluoranthene
Concen: 0.375 ng
RT: 19.299 min Scan# 1964
Delta R.T. -0.000 min
Lab File: BN037698.D
Acq: 11 Sep 2025 14:09

Tgt Ion:202 Resp: 14471

Ion	Ratio	Lower	Upper
202	100		
101	11.5	9.3	13.9
203	17.1	13.7	20.5



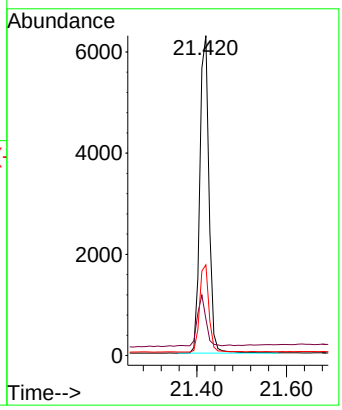


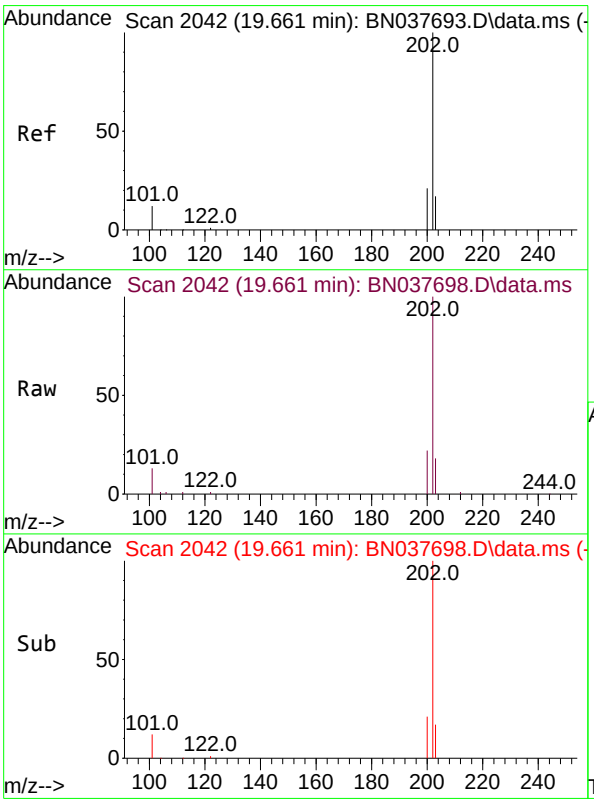
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.420 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN037698.D
Acq: 11 Sep 2025 14:09

Instrument :
BNA_N
ClientSampleId :
ICVBN091125

Tgt Ion:240 Resp: 8931

Ion	Ratio	Lower	Upper
240	100		
120	11.5	9.2	13.8
236	28.4	22.6	33.8

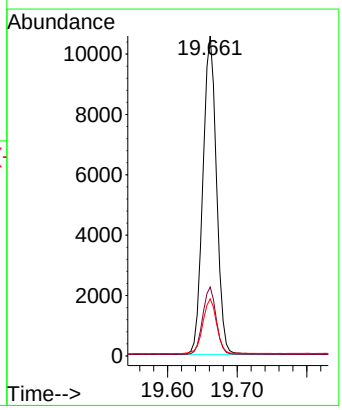


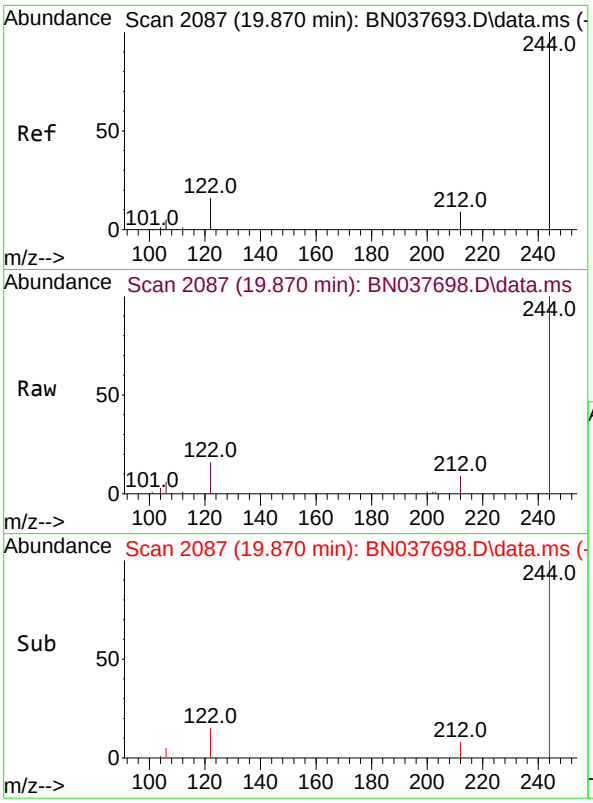


#30
Pyrene
Concen: 0.410 ng
RT: 19.661 min Scan# 2042
Delta R.T. -0.000 min
Lab File: BN037698.D
Acq: 11 Sep 2025 14:09

Tgt Ion:202 Resp: 14323

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.8	25.2
203	17.6	14.3	21.5



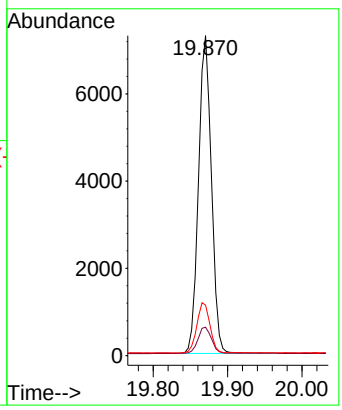


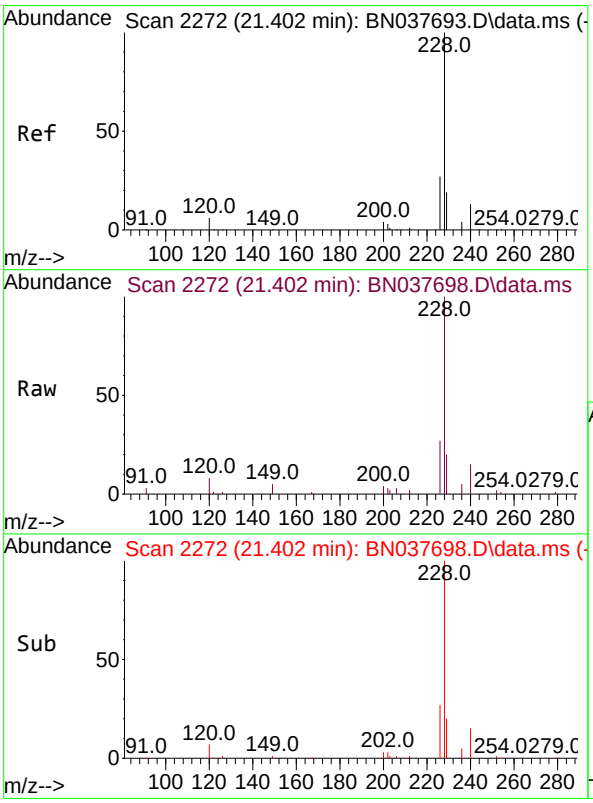
#31
Terphenyl-d14
Concen: 0.484 ng
RT: 19.870 min Scan# 20
Delta R.T. -0.000 min
Lab File: BN037698.D
Acq: 11 Sep 2025 14:09

Instrument :
BNA_N
ClientSampleId :
ICVBN091125

Tgt Ion:244 Resp: 8765

Ion	Ratio	Lower	Upper
244	100		
212	8.9	7.5	11.3
122	15.8	13.2	19.8

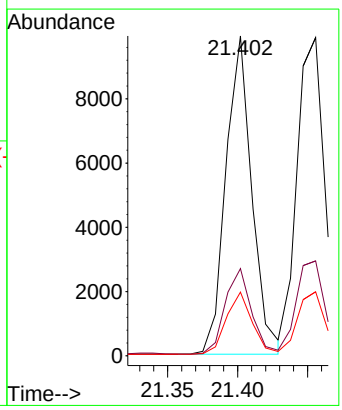


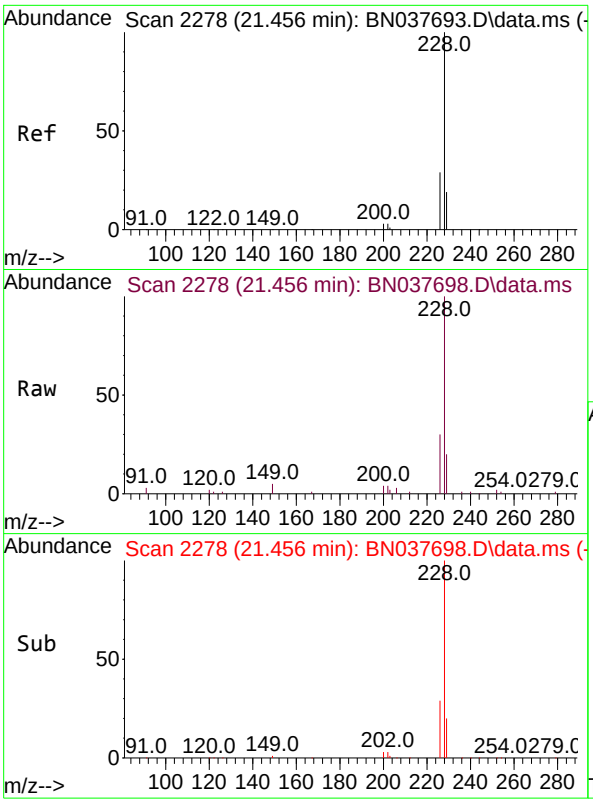


#32
Benzo(a)anthracene
Concen: 0.411 ng
RT: 21.402 min Scan# 2272
Delta R.T. -0.000 min
Lab File: BN037698.D
Acq: 11 Sep 2025 14:09

Tgt Ion:228 Resp: 12803

Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.2	33.2
229	19.9	15.8	23.6



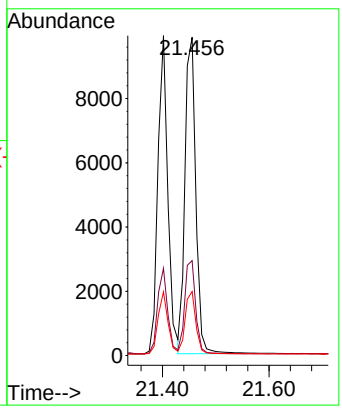


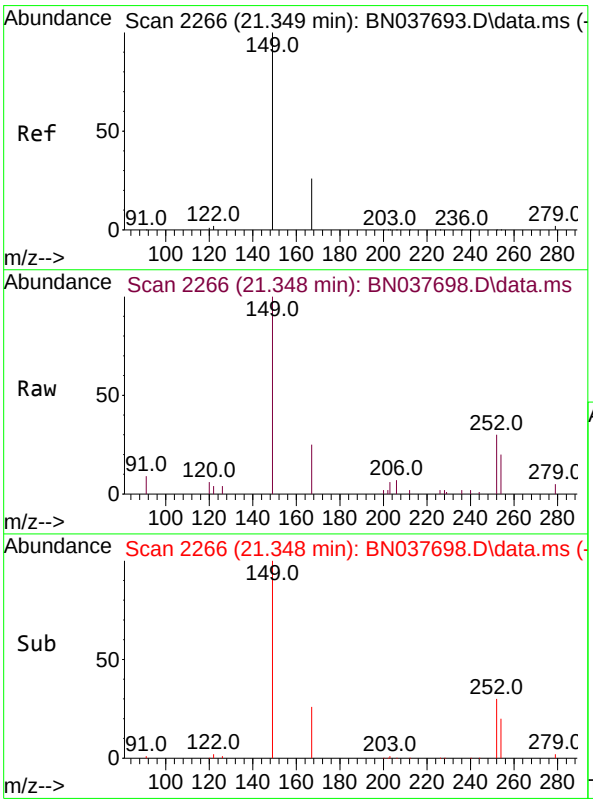
#33
Chrysene
Concen: 0.418 ng
RT: 21.456 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037698.D
Acq: 11 Sep 2025 14:09

Instrument :
BNA_N
ClientSampleId :
ICVBN091125

Tgt Ion:228 Resp: 13963

Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.5	35.3
229	20.1	15.9	23.9

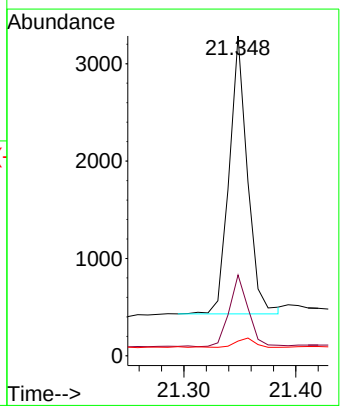


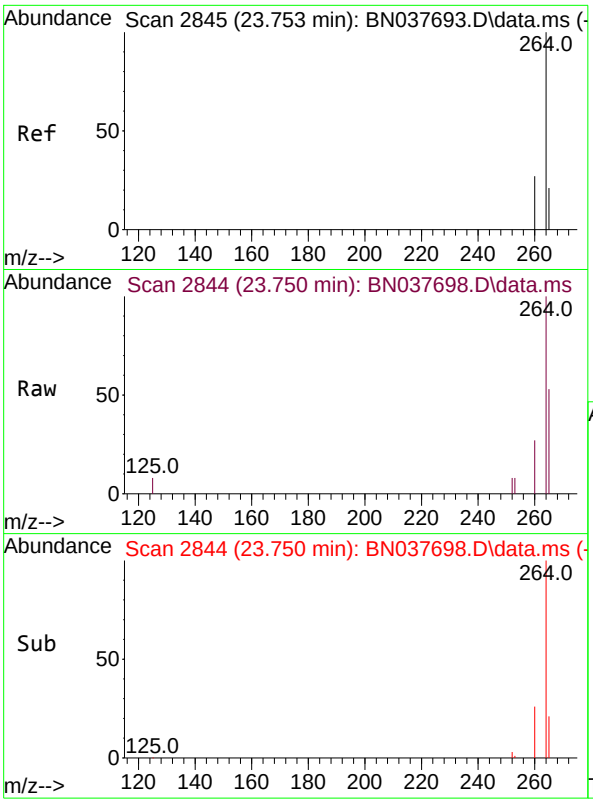


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.351 ng
RT: 21.348 min Scan# 2266
Delta R.T. -0.000 min
Lab File: BN037698.D
Acq: 11 Sep 2025 14:09

Tgt Ion:149 Resp: 3245

Ion	Ratio	Lower	Upper
149	100		
167	26.8	20.8	31.2
279	3.3	3.3	4.9#



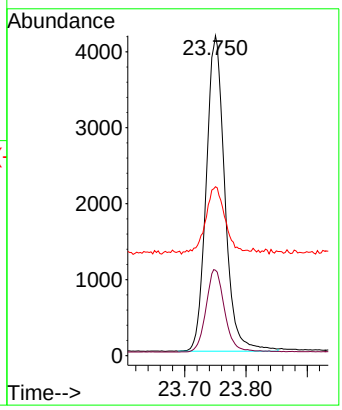


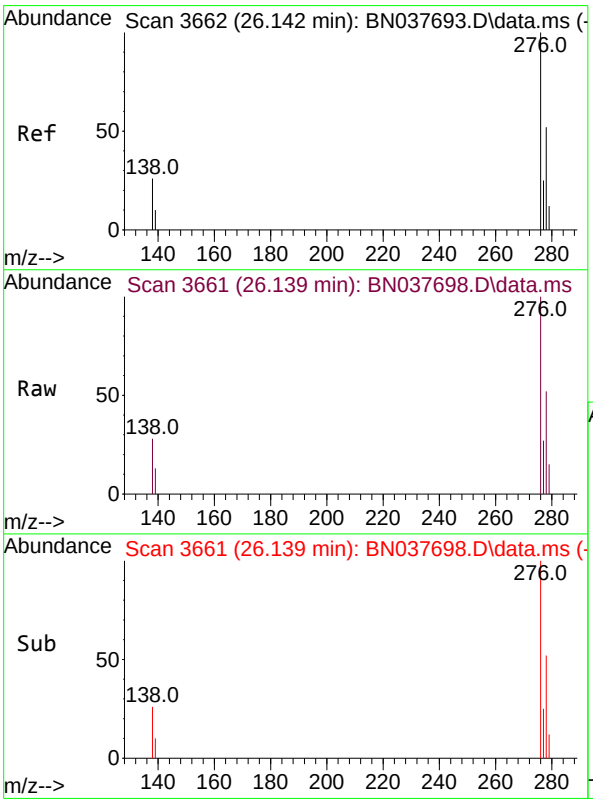
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.750 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN037698.D
Acq: 11 Sep 2025 14:09

Instrument :
BNA_N
ClientSampleId :
ICVBN091125

Tgt Ion:264 Resp: 8751

Ion	Ratio	Lower	Upper
264	100		
260	26.7	21.8	32.8
265	52.8	39.4	59.2

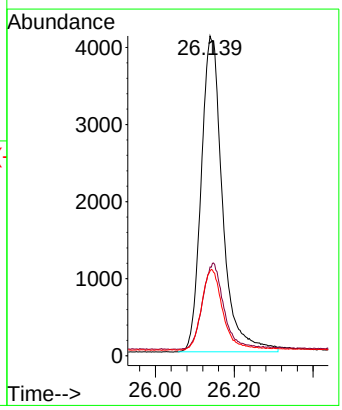


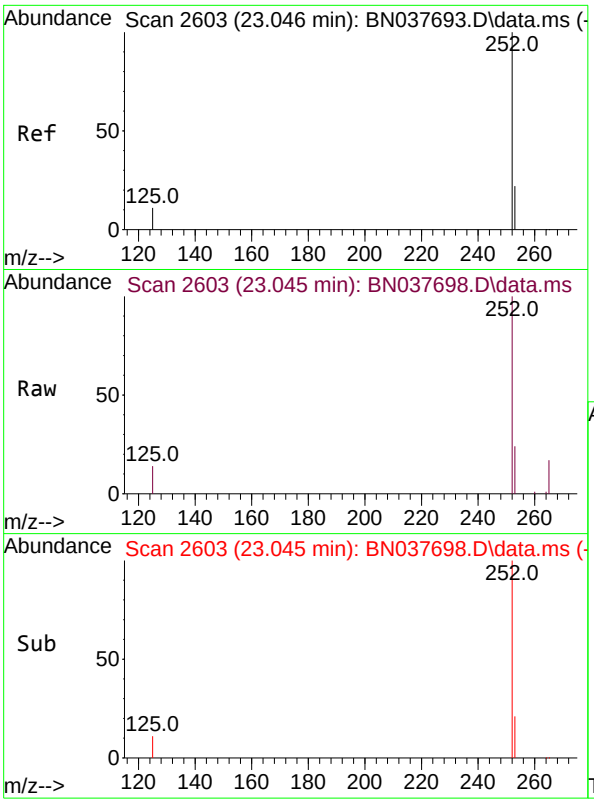


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.420 ng
RT: 26.139 min Scan# 3661
Delta R.T. -0.003 min
Lab File: BN037698.D
Acq: 11 Sep 2025 14:09

Tgt Ion:276 Resp: 15430

Ion	Ratio	Lower	Upper
276	100		
138	27.4	21.9	32.9
277	25.3	20.1	30.1



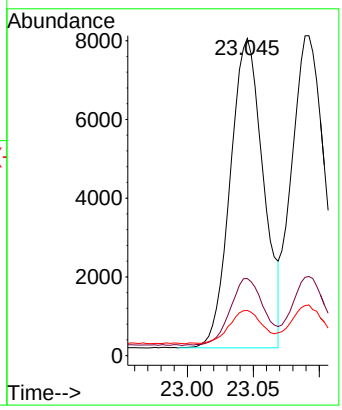


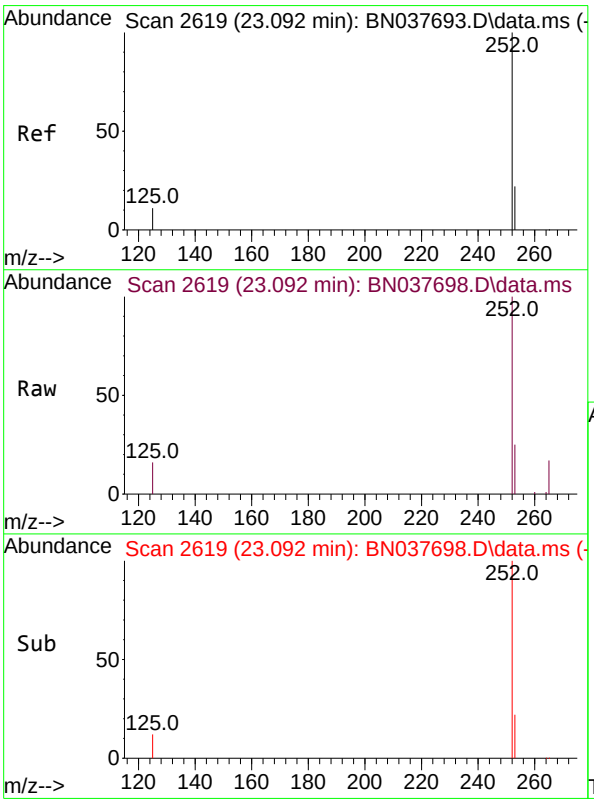
#37
Benzo(b)fluoranthene
Concen: 0.398 ng
RT: 23.045 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037698.D
Acq: 11 Sep 2025 14:09

Instrument :
BNA_N
ClientSampleId :
ICVBN091125

Tgt Ion:252 Resp: 13718

Ion	Ratio	Lower	Upper
252	100		
253	24.3	19.4	29.2
125	14.3	11.2	16.8

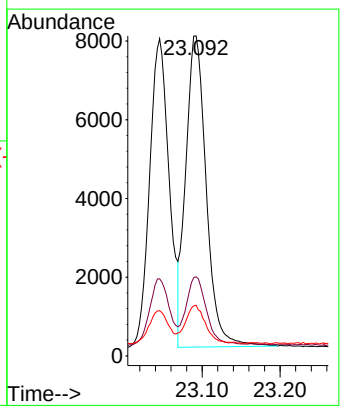


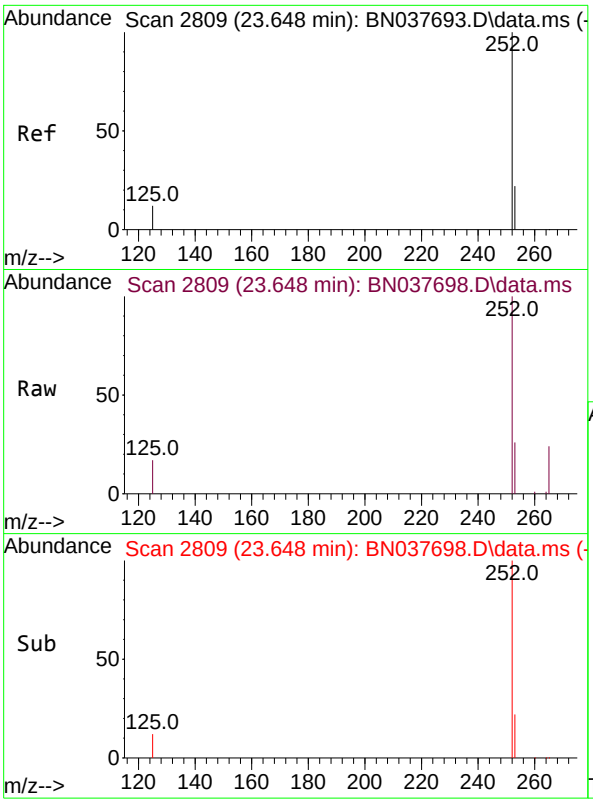


#38
Benzo(k)fluoranthene
Concen: 0.412 ng
RT: 23.092 min Scan# 2619
Delta R.T. -0.000 min
Lab File: BN037698.D
Acq: 11 Sep 2025 14:09

Tgt Ion:252 Resp: 14465

Ion	Ratio	Lower	Upper
252	100		
253	24.7	19.4	29.0
125	15.8	11.6	17.4



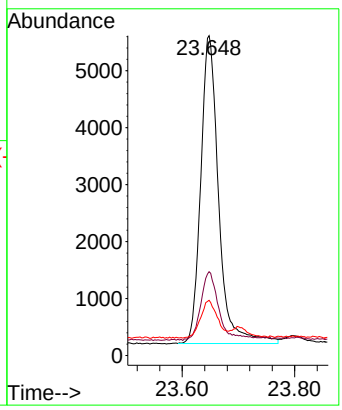


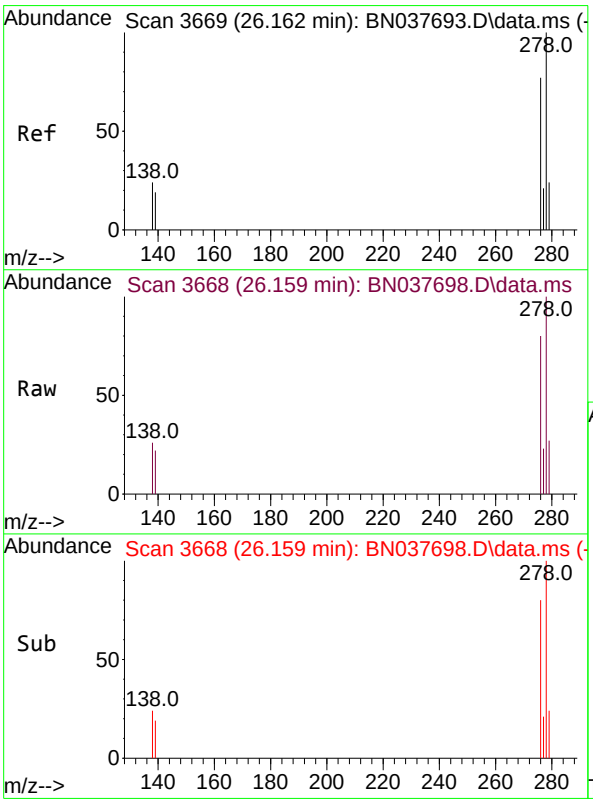
#39
Benzo(a)pyrene
Concen: 0.433 ng
RT: 23.648 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037698.D
Acq: 11 Sep 2025 14:09

Instrument :
BNA_N
ClientSampleId :
ICVBN091125

Tgt Ion:252 Resp: 11950

Ion	Ratio	Lower	Upper
252	100		
253	26.2	20.8	31.2
125	17.3	13.9	20.9

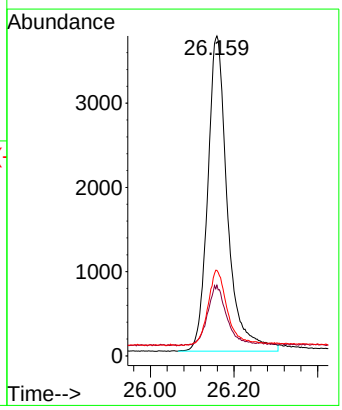


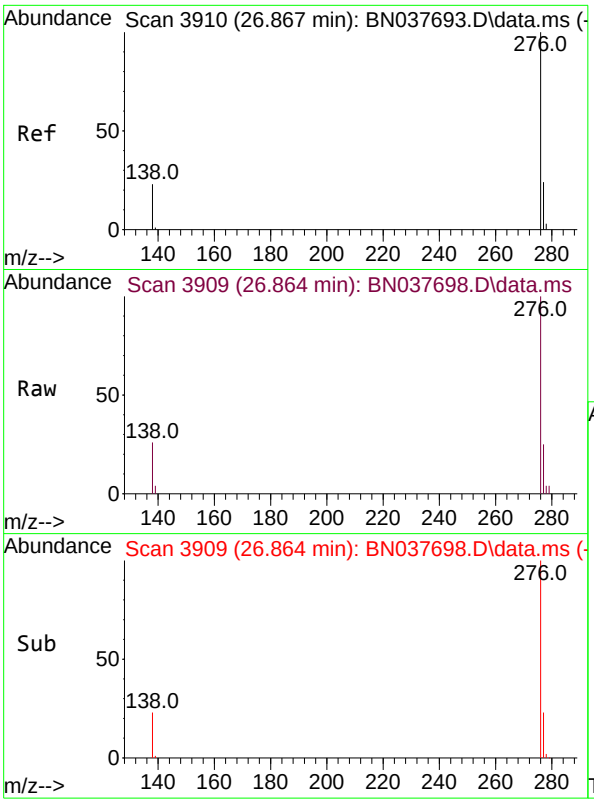


#40
Dibenzo(a,h)anthracene
Concen: 0.419 ng
RT: 26.159 min Scan# 3668
Delta R.T. -0.003 min
Lab File: BN037698.D
Acq: 11 Sep 2025 14:09

Tgt Ion:278 Resp: 12290

Ion	Ratio	Lower	Upper
278	100		
139	22.1	17.8	26.6
279	26.7	22.0	33.0



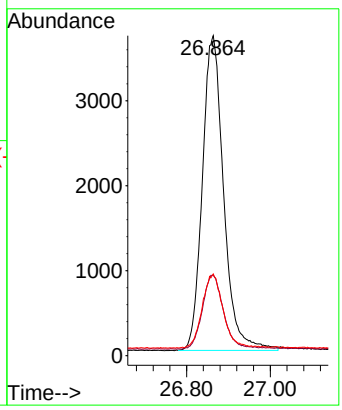


#41
Benzo(g,h,i)perylene
Concen: 0.398 ng
RT: 26.864 min Scan# 3
Delta R.T. -0.003 min
Lab File: BN037698.D
Acq: 11 Sep 2025 14:09

Instrument :
BNA_N
ClientSampleId :
ICVBN091125

Tgt Ion:276 Resp: 13095

Ion	Ratio	Lower	Upper
276	100		
277	25.1	20.6	31.0
138	25.5	20.2	30.2



Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091125\
Data File : BN037698.D
Acq On : 11 Sep 2025 14:09
Operator : RC/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
ICVBN091125

Quant Time: Sep 11 16:00:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	101	0.00
2		1,4-Dioxane	0.417	0.489	-17.3	117	0.00
3		n-Nitrosodimethylamine	0.544	0.581	-6.8	104	0.00
4	S	2-Fluorophenol	0.918	0.904	1.5	102	0.00
5	S	Phenol-d6	1.191	1.132	5.0	99	0.00
6		bis(2-Chloroethyl)ether	1.064	1.147	-7.8	108	0.00
7	I	Naphthalene-d8	1.000	1.000	0.0	102	0.00
8	S	Nitrobenzene-d5	0.293	0.332	-13.3	119	0.00
9		Naphthalene	1.093	1.118	-2.3	106	0.00
10		Hexachlorobutadiene	0.198	0.208	-5.1	108	0.00
11	SURR	2-Methylnaphthalene-d10	0.530	0.563	-6.2	116	0.00
12		2-Methylnaphthalene	0.676	0.634	6.2	98	0.00
13	I	Acenaphthene-d10	1.000	1.000	0.0	103	0.00
14	S	2,4,6-Tribromophenol	0.104	0.099	4.8	101	0.00
15	S	2-Fluorobiphenyl	1.673	1.991	-19.0	124	0.00
16		Acenaphthylene	1.834	2.007	-9.4	116	0.01
17		Acenaphthene	1.240	1.230	0.8	104	0.00
18		Fluorene	1.502	1.485	1.1	106	0.00
19	I	Phenanthrene-d10	1.000	1.000	0.0	99	0.00
20		4,6-Dinitro-2-methylphenol	0.037	0.035	5.4	105	0.00
21		4-Bromophenyl-phenylether	0.261	0.266	-1.9	105	0.00
22		Hexachlorobenzene	0.300	0.320	-6.7	108	0.00
23		Atrazine	0.166	0.164	1.2	107	0.00
24		Pentachlorophenol	0.087	0.070	19.5	94	0.00
25		Phenanthrene	1.259	1.277	-1.4	104	0.00
26		Anthracene	1.116	1.132	-1.4	105	0.00
27	SURR	Fluoranthene-d10	1.004	0.998	0.6	106	0.00
28		Fluoranthene	1.381	1.296	6.2	98	0.00
29	I	Chrysene-d12	1.000	1.000	0.0	95	0.00
30		Pyrene	1.566	1.604	-2.4	98	0.00
31	S	Terphenyl-d14	0.812	0.981	-20.8	117	0.00
32		Benzo(a)anthracene	1.395	1.434	-2.8	101	0.00
33		Chrysene	1.496	1.563	-4.5	100	0.00
34		Bis(2-ethylhexyl)phthalate	0.414	0.363	12.3	92	0.00
35	I	Perylene-d12	1.000	1.000	0.0	98	0.00
36		Indeno(1,2,3-cd)pyrene	1.681	1.763	-4.9	112	0.00
37		Benzo(b)fluoranthene	1.575	1.568	0.4	98	0.00
38		Benzo(k)fluoranthene	1.606	1.653	-2.9	106	0.00
39	C	Benzo(a)pyrene	1.261	1.366	-8.3	111	0.00
40		Dibenzo(a,h)anthracene	1.342	1.404	-4.6	113	0.00
41		Benzo(g,h,i)perylene	1.506	1.496	0.7	101	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\BN091125\
Data File : BN037698.D
Acq On : 11 Sep 2025 14:09
Operator : RC/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
ICVBN091125

Quant Time: Sep 11 16:00:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	0.400	0.400	0.0	101	0.00
2		1,4-Dioxane	0.400	0.469	-17.2	117	0.00
3		n-Nitrosodimethylamine	0.400	0.427	-6.7	104	0.00
4	S	2-Fluorophenol	0.400	0.394	1.5	102	0.00
5	S	Phenol-d6	0.400	0.380	5.0	99	0.00
6		bis(2-Chloroethyl)ether	0.400	0.431	-7.7	108	0.00
7	I	Naphthalene-d8	0.400	0.400	0.0	102	0.00
8	S	Nitrobenzene-d5	0.400	0.454	-13.5	119	0.00
9		Naphthalene	0.400	0.409	-2.2	106	0.00
10		Hexachlorobutadiene	0.400	0.420	-5.0	108	0.00
11	SURR	2-Methylnaphthalene-d10	0.400	0.425	-6.2	116	0.00
12		2-Methylnaphthalene	0.400	0.375	6.3	98	0.00
13	I	Acenaphthene-d10	0.400	0.400	0.0	103	0.00
14	S	2,4,6-Tribromophenol	0.400	0.379	5.3	101	0.00
15	S	2-Fluorobiphenyl	0.400	0.476	-19.0	124	0.00
16		Acenaphthylene	0.400	0.438	-9.5	116	0.01
17		Acenaphthene	0.400	0.397	0.8	104	0.00
18		Fluorene	0.400	0.395	1.3	106	0.00
19	I	Phenanthrene-d10	0.400	0.400	0.0	99	0.00
20		4,6-Dinitro-2-methylphenol	0.400	0.379	5.3	105	0.00
21		4-Bromophenyl-phenylether	0.400	0.409	-2.2	105	0.00
22		Hexachlorobenzene	0.400	0.426	-6.5	108	0.00
23		Atrazine	0.400	0.395	1.3	107	0.00
24		Pentachlorophenol	0.400	0.323	19.3	94	0.00
25		Phenanthrene	0.400	0.406	-1.5	104	0.00
26		Anthracene	0.400	0.406	-1.5	105	0.00
27	SURR	Fluoranthene-d10	0.400	0.397	0.8	106	0.00
28		Fluoranthene	0.400	0.375	6.3	98	0.00
29	I	Chrysene-d12	0.400	0.400	0.0	95	0.00
30		Pyrene	0.400	0.410	-2.5	98	0.00
31	S	Terphenyl-d14	0.400	0.484	-21.0	117	0.00
32		Benzo(a)anthracene	0.400	0.411	-2.7	101	0.00
33		Chrysene	0.400	0.418	-4.5	100	0.00
34		Bis(2-ethylhexyl)phthalate	0.400	0.351	12.3	92	0.00
35	I	Perylene-d12	0.400	0.400	0.0	98	0.00
36		Indeno(1,2,3-cd)pyrene	0.400	0.420	-5.0	112	0.00
37		Benzo(b)fluoranthene	0.400	0.398	0.5	98	0.00
38		Benzo(k)fluoranthene	0.400	0.412	-3.0	106	0.00
39	C	Benzo(a)pyrene	0.400	0.433	-8.2	111	0.00
40		Dibenzo(a,h)anthracene	0.400	0.419	-4.7	113	0.00
41		Benzo(g,h,i)perylene	0.400	0.398	0.5	101	0.00

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

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO15

Lab Code: ACE SDG No.: Q3095

Instrument ID: BNA_N Calibration Date/Time: 09/17/2025 11:25

Lab File ID: BN037740.D Init. Calib. Date(s): 09/11/2025 09/11/2025

EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 09:56 13:33

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.530	0.517		-2.5	20.0
Fluoranthene-d10	1.004	0.936		-6.8	20.0
2-Fluorophenol	0.918	0.926		0.9	20.0
Phenol-d6	1.191	1.176		-1.3	20.0
Nitrobenzene-d5	0.293	0.284		-3.1	20.0
2-Fluorobiphenyl	1.673	1.620		-3.2	20.0
2,4,6-Tribromophenol	0.104	0.123		18.3	20.0
Terphenyl-d14	0.812	0.757		-6.8	20.0
1,4-Dioxane	0.417	0.449		7.7	20.0

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091725\
Data File : BN037740.D
Acq On : 17 Sep 2025 11:25
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Sep 17 12:51:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

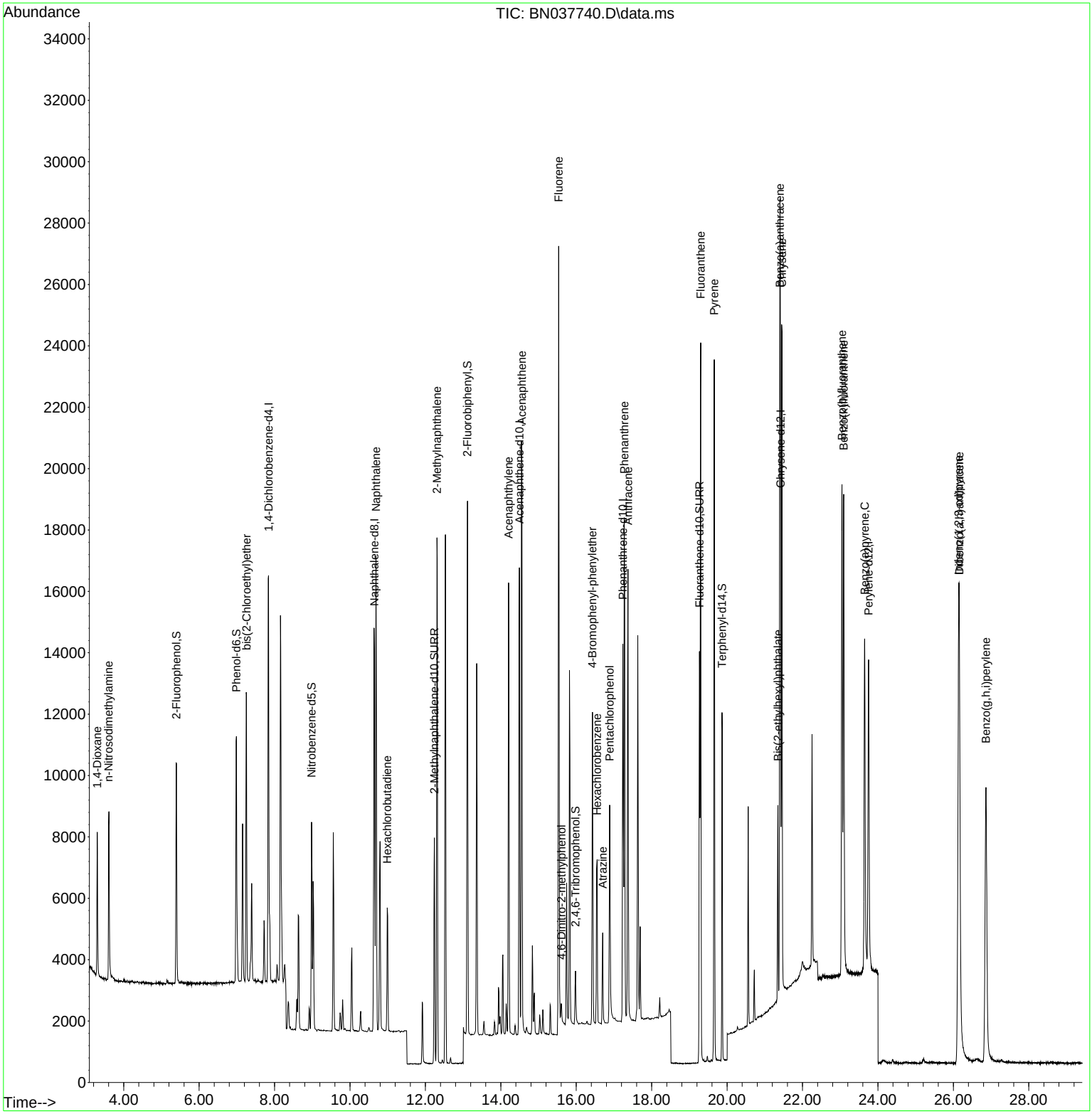
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.840	152	6660	0.400	ng	0.00
7) Naphthalene-d8	10.648	136	18396	0.400	ng	# 0.00
13) Acenaphthene-d10	14.495	164	8930	0.400	ng	0.00
19) Phenanthrene-d10	17.235	188	15814	0.400	ng	0.00
29) Chrysene-d12	21.420	240	13841	0.400	ng	0.00
35) Perylene-d12	23.753	264	14132	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.399	112	6167	0.403	ng	0.00
5) Phenol-d6	6.988	99	7831	0.395	ng	0.00
8) Nitrobenzene-d5	8.982	82	5219	0.388	ng	-0.01
11) 2-Methylnaphthalene-d10	12.238	152	9519	0.391	ng	0.00
14) 2,4,6-Tribromophenol	15.982	330	1095	0.470	ng	0.00
15) 2-Fluorobiphenyl	13.115	172	14468	0.387	ng	0.00
27) Fluoranthene-d10	19.267	212	14803	0.373	ng	0.00
31) Terphenyl-d14	19.866	244	10481	0.373	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.297	88	2988	0.431	ng	92
3) n-Nitrosodimethylamine	3.601	42	3189	0.352	ng	82
6) bis(2-Chloroethyl)ether	7.255	93	7035	0.397	ng	98
9) Naphthalene	10.690	128	19558	0.389	ng	100
10) Hexachlorobutadiene	10.989	225	3461	0.380	ng	# 99
12) 2-Methylnaphthalene	12.309	142	12157	0.391	ng	99
16) Acenaphthylene	14.206	152	15354	0.375	ng	100
17) Acenaphthene	14.559	154	10379	0.375	ng	99
18) Fluorene	15.535	166	12010	0.358	ng	99
20) 4,6-Dinitro-2-methylph...	15.609	198	512	0.350	ng	83
21) 4-Bromophenyl-phenylether	16.429	248	4071	0.395	ng	# 73
22) Hexachlorobenzene	16.553	284	4849	0.409	ng	96
23) Atrazine	16.702	200	2432	0.371	ng	99
24) Pentachlorophenol	16.888	266	3857	1.120	ng	97
25) Phenanthrene	17.273	178	19056	0.383	ng	100
26) Anthracene	17.372	178	16581	0.376	ng	100
28) Fluoranthene	19.299	202	20777	0.381	ng	99
30) Pyrene	19.661	202	20869	0.385	ng	100
32) Benzo(a)anthracene	21.402	228	18615	0.386	ng	99
33) Chrysene	21.456	228	20188	0.390	ng	100
34) Bis(2-ethylhexyl)phtha...	21.349	149	6080	0.425	ng	97
36) Indeno(1,2,3-cd)pyrene	26.139	276	23556	0.397	ng	98
37) Benzo(b)fluoranthene	23.046	252	21437	0.385	ng	99
38) Benzo(k)fluoranthene	23.092	252	21654	0.382	ng	100
39) Benzo(a)pyrene	23.648	252	17359	0.390	ng	98
40) Dibenzo(a,h)anthracene	26.159	278	18747	0.395	ng	97
41) Benzo(g,h,i)perylene	26.864	276	21072	0.396	ng	97

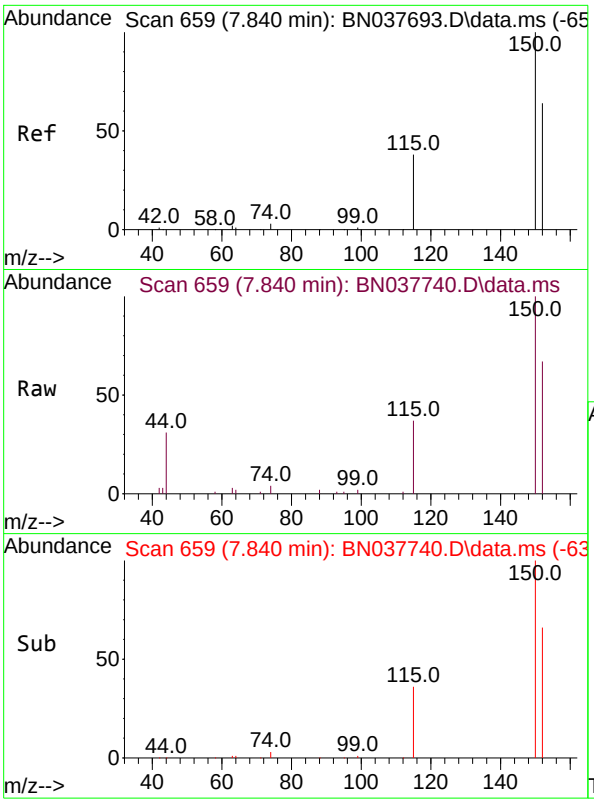
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091725\
Data File : BN037740.D
Acq On : 17 Sep 2025 11:25
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Sep 17 12:51:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration



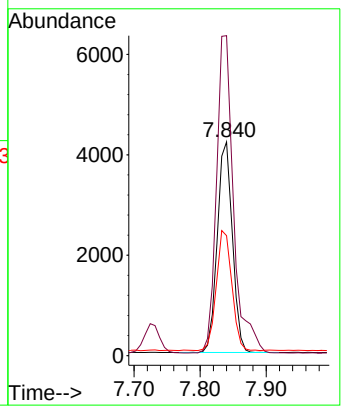


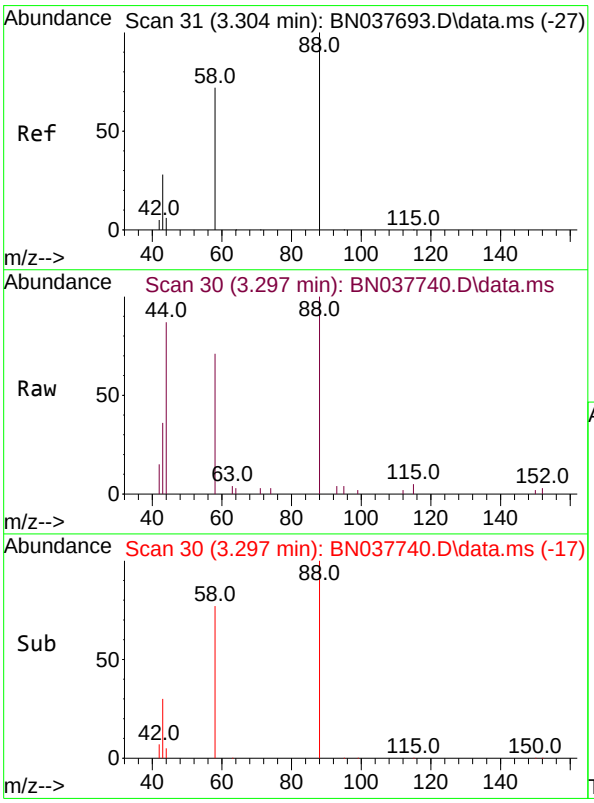
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.840 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN037740.D
Acq: 17 Sep 2025 11:25

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 6660

Ion	Ratio	Lower	Upper
152	100		
150	149.7	124.5	186.7
115	56.1	49.2	73.8

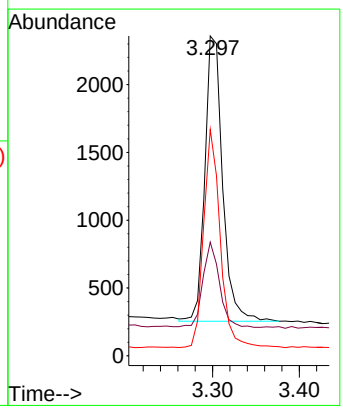


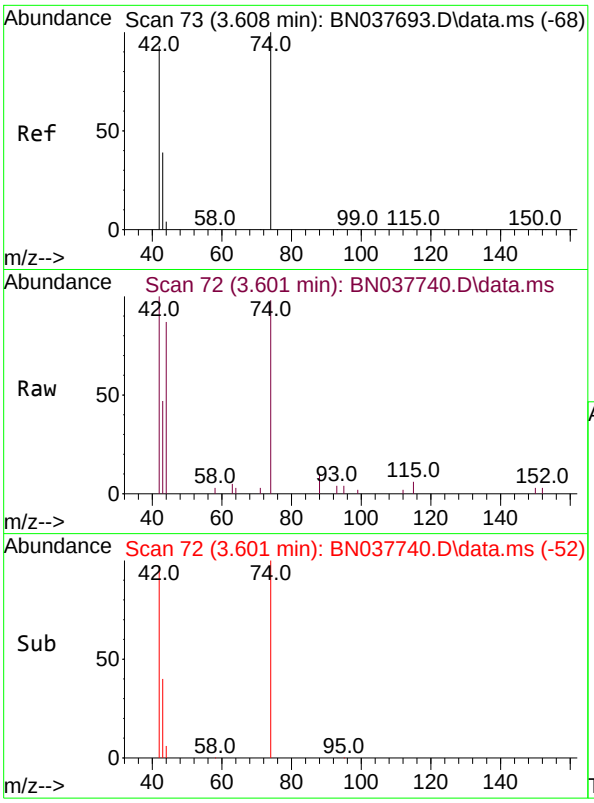


#2
1,4-Dioxane
Concen: 0.431 ng
RT: 3.297 min Scan# 30
Delta R.T. -0.007 min
Lab File: BN037740.D
Acq: 17 Sep 2025 11:25

Tgt Ion: 88 Resp: 2988

Ion	Ratio	Lower	Upper
88	100		
43	27.6	26.8	40.2
58	71.1	61.9	92.9



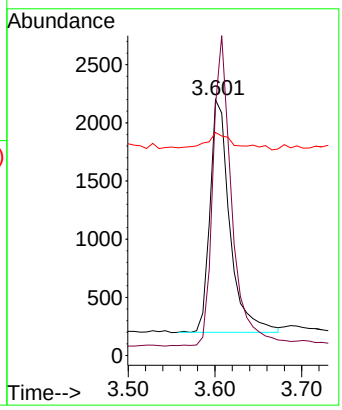


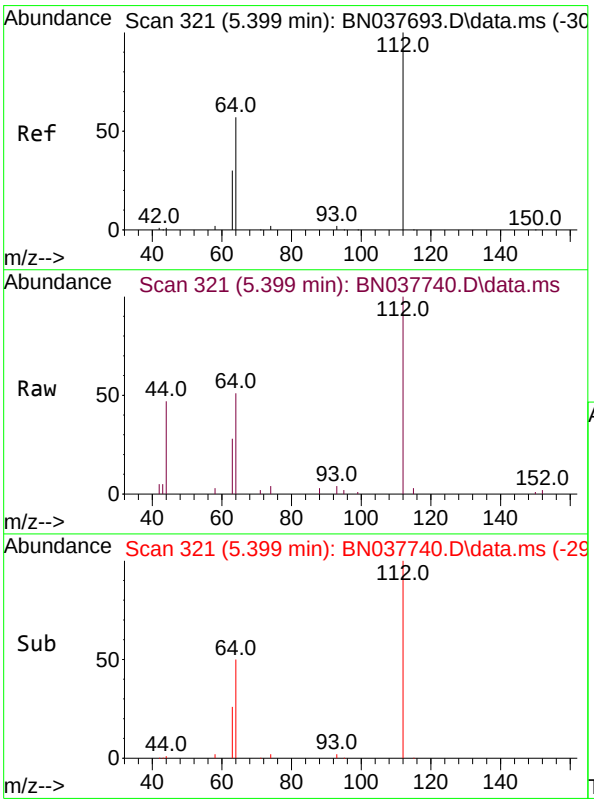
#3
n-Nitrosodimethylamine
Concen: 0.352 ng
RT: 3.601 min Scan# 7
Delta R.T. -0.007 min
Lab File: BN037740.D
Acq: 17 Sep 2025 11:25

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 3189

Ion	Ratio	Lower	Upper
42	100		
74	127.7	86.0	129.0
44	8.5	8.4	12.6

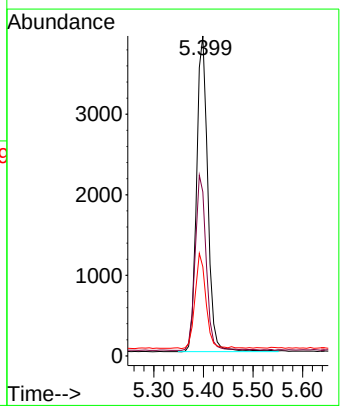


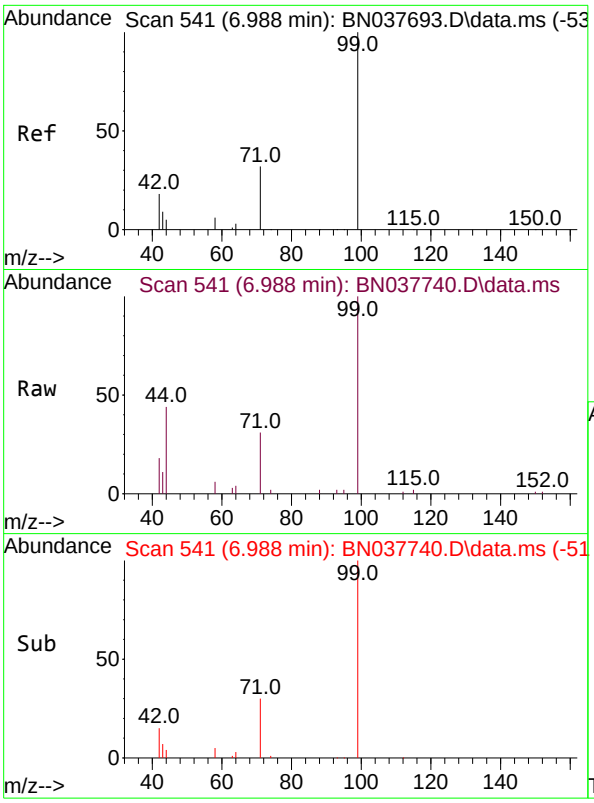


#4
2-Fluorophenol
Concen: 0.403 ng
RT: 5.399 min Scan# 321
Delta R.T. -0.000 min
Lab File: BN037740.D
Acq: 17 Sep 2025 11:25

Tgt Ion:112 Resp: 6167

Ion	Ratio	Lower	Upper
112	100		
64	54.3	44.9	67.3
63	28.9	24.7	37.1



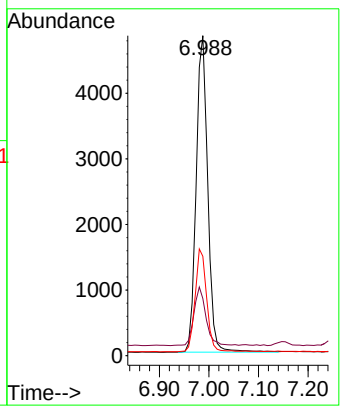


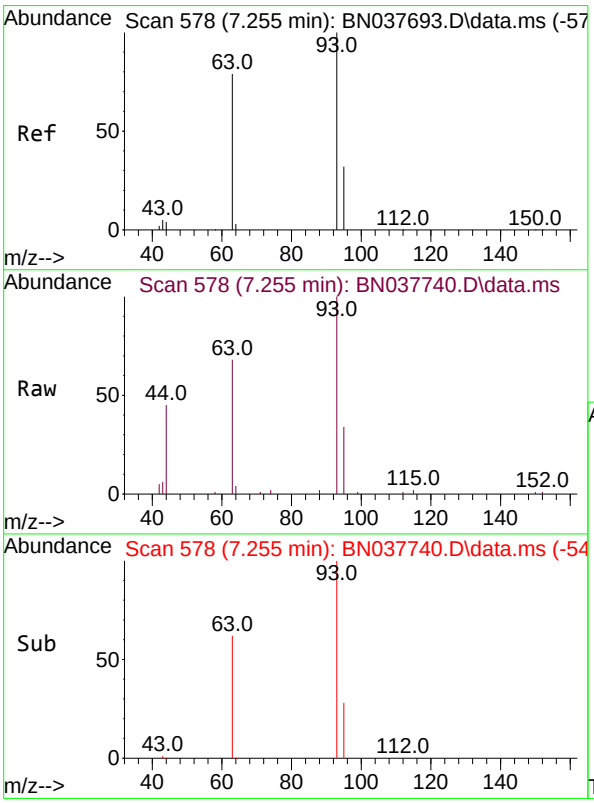
#5
Phenol-d6
Concen: 0.395 ng
RT: 6.988 min Scan# 54
Delta R.T. -0.000 min
Lab File: BN037740.D
Acq: 17 Sep 2025 11:25

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 7831

Ion	Ratio	Lower	Upper
99	100		
42	19.1	16.6	24.8
71	32.2	26.7	40.1

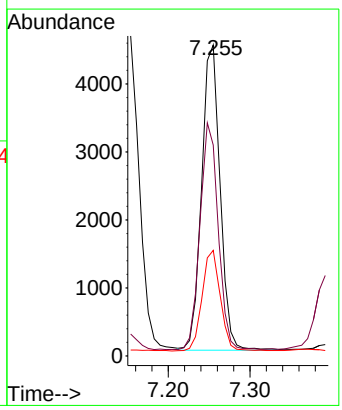


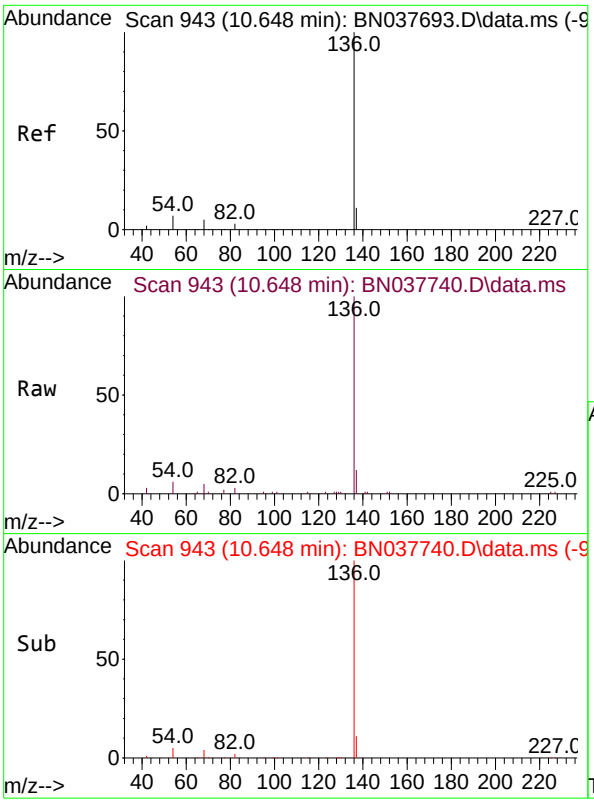


#6
bis(2-Chloroethyl)ether
Concen: 0.397 ng
RT: 7.255 min Scan# 578
Delta R.T. -0.000 min
Lab File: BN037740.D
Acq: 17 Sep 2025 11:25

Tgt Ion: 93 Resp: 7035

Ion	Ratio	Lower	Upper
93	100		
63	73.0	60.6	90.8
95	32.6	26.0	39.0



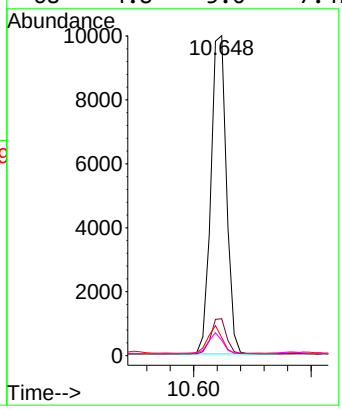


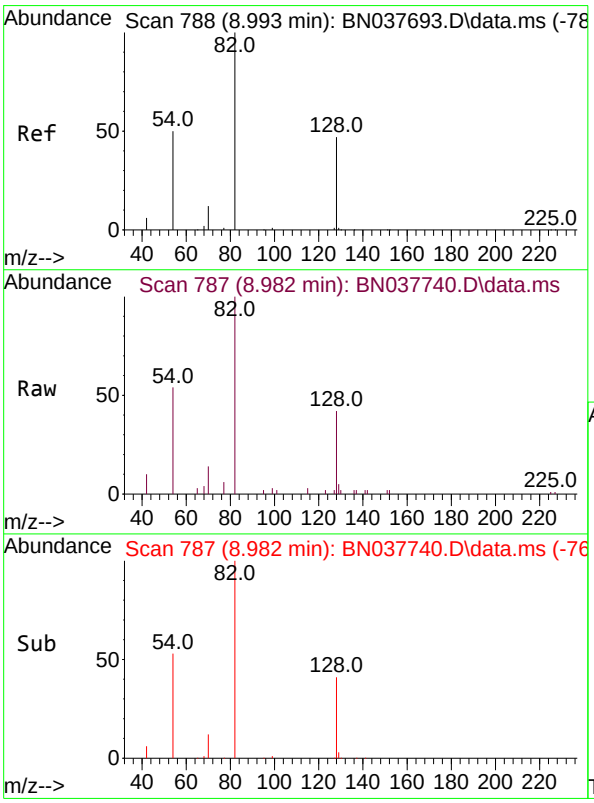
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.648 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN037740.D
Acq: 17 Sep 2025 11:25

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 18396

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.1	13.7
54	5.6	6.3	9.5#
68	4.8	5.0	7.4#

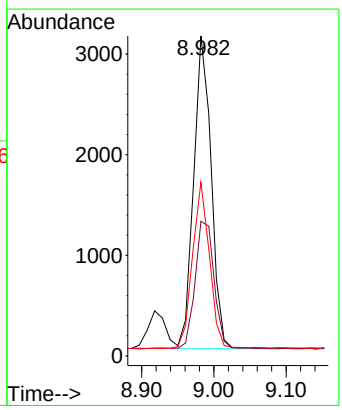


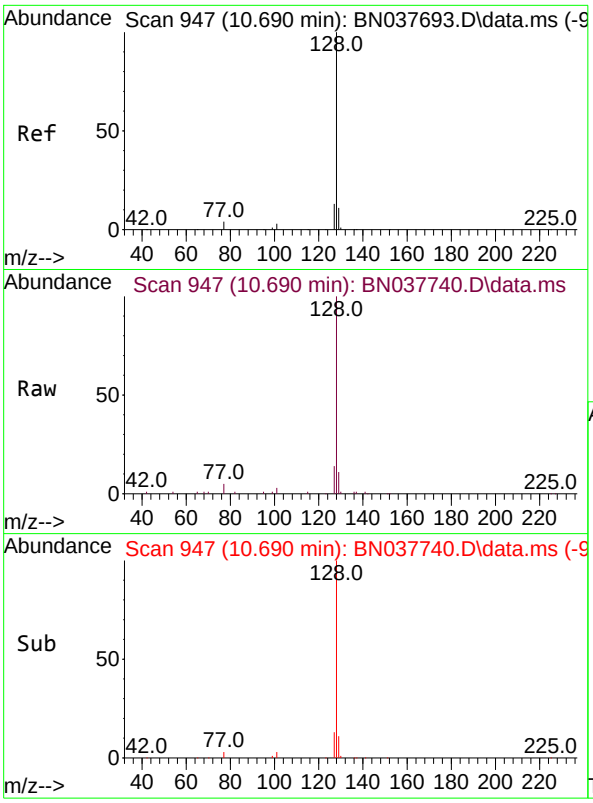


#8
Nitrobenzene-d5
Concen: 0.388 ng
RT: 8.982 min Scan# 787
Delta R.T. -0.011 min
Lab File: BN037740.D
Acq: 17 Sep 2025 11:25

Tgt Ion: 82 Resp: 5219

Ion	Ratio	Lower	Upper
82	100		
128	42.1	38.3	57.5
54	54.3	41.4	62.2



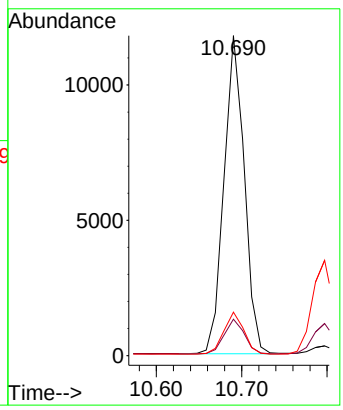


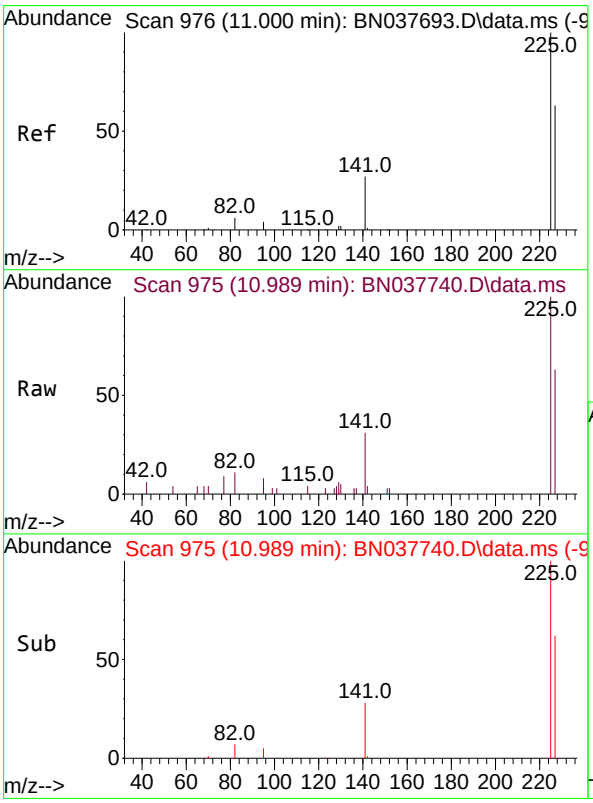
#9
Naphthalene
Concen: 0.389 ng
RT: 10.690 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN037740.D
Acq: 17 Sep 2025 11:25

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 19558

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.1	13.7
127	13.6	10.9	16.3

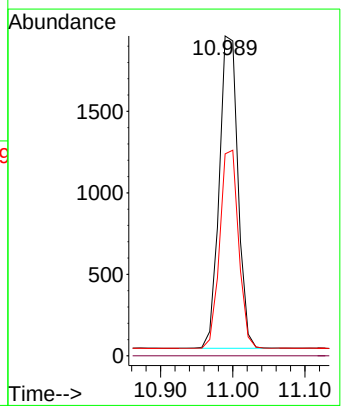


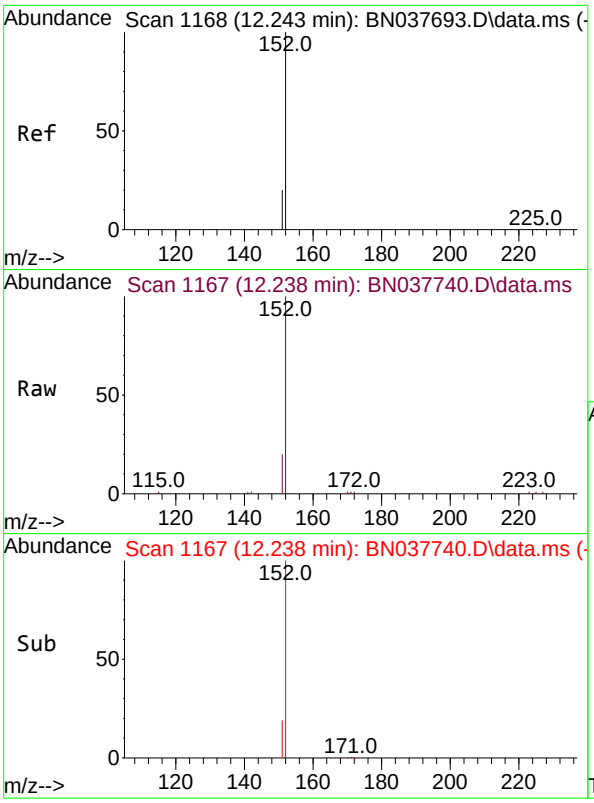


#10
Hexachlorobutadiene
Concen: 0.380 ng
RT: 10.989 min Scan# 975
Delta R.T. -0.011 min
Lab File: BN037740.D
Acq: 17 Sep 2025 11:25

Tgt Ion:225 Resp: 3461

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.1	50.9	76.3



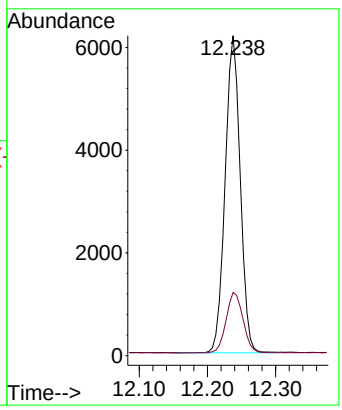


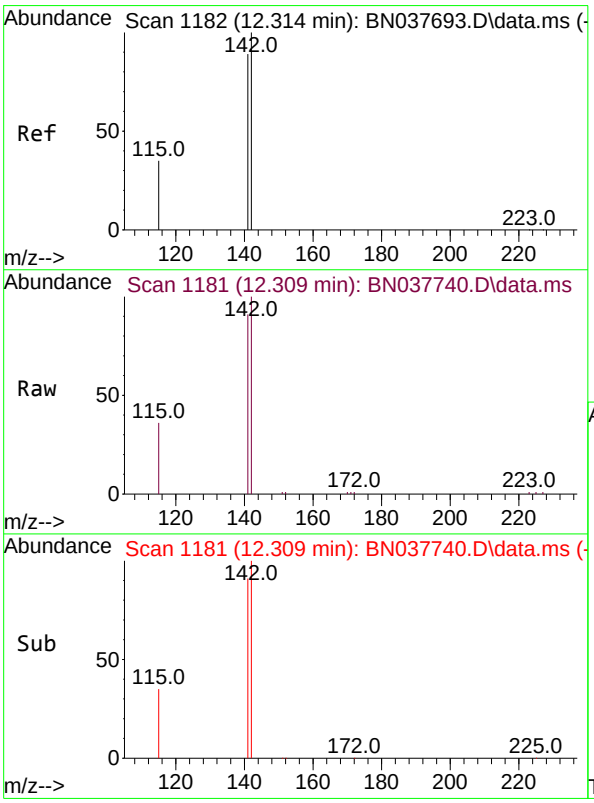
#11
2-Methylnaphthalene-d10
Concen: 0.391 ng
RT: 12.238 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN037740.D
Acq: 17 Sep 2025 11:25

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 9519

Ion	Ratio	Lower	Upper
152	100		
151	21.3	17.0	25.6

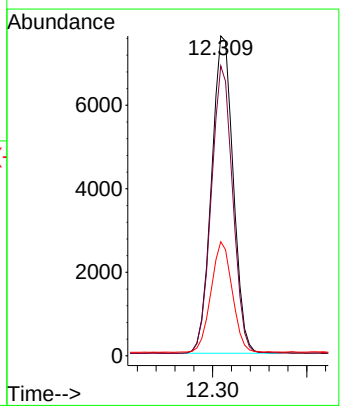


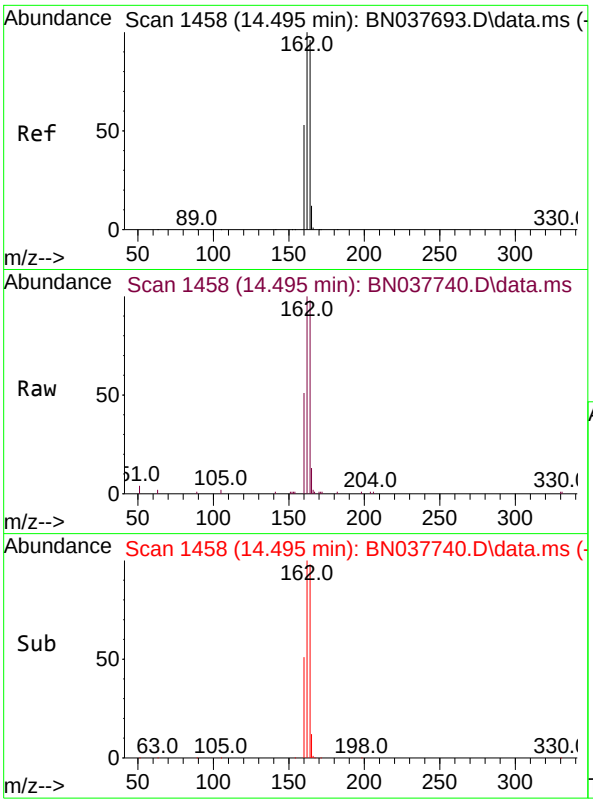


#12
2-Methylnaphthalene
Concen: 0.391 ng
RT: 12.309 min Scan# 1181
Delta R.T. -0.005 min
Lab File: BN037740.D
Acq: 17 Sep 2025 11:25

Tgt Ion:142 Resp: 12157

Ion	Ratio	Lower	Upper
142	100		
141	90.6	71.6	107.4
115	35.7	28.6	43.0



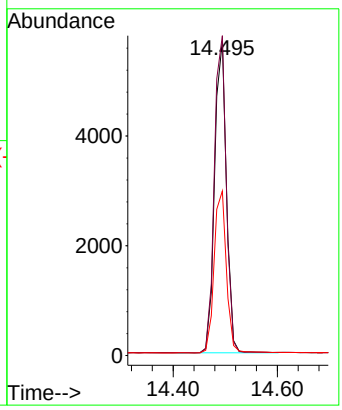


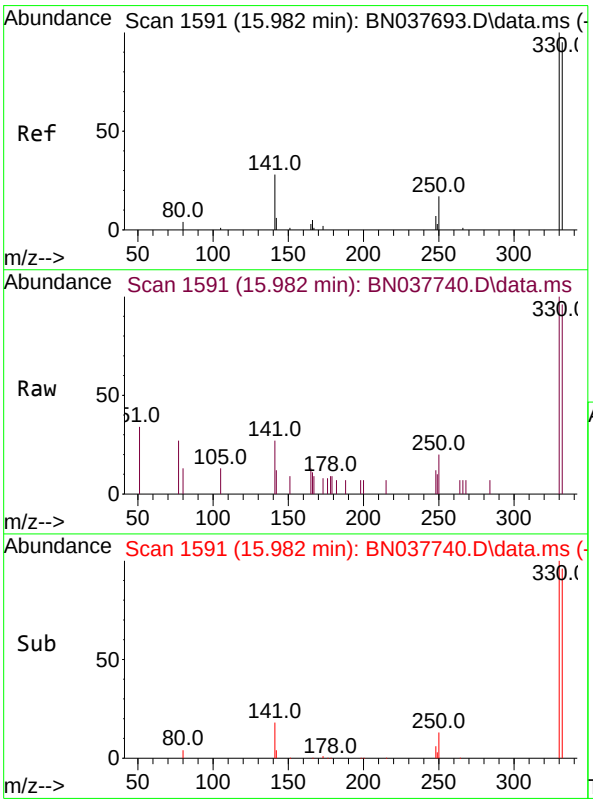
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.495 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN037740.D
Acq: 17 Sep 2025 11:25

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 8930

Ion	Ratio	Lower	Upper
164	100		
162	101.8	83.1	124.7
160	52.3	44.3	66.5

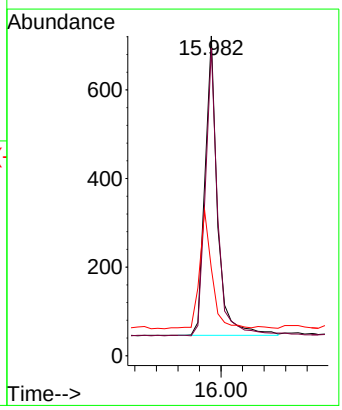


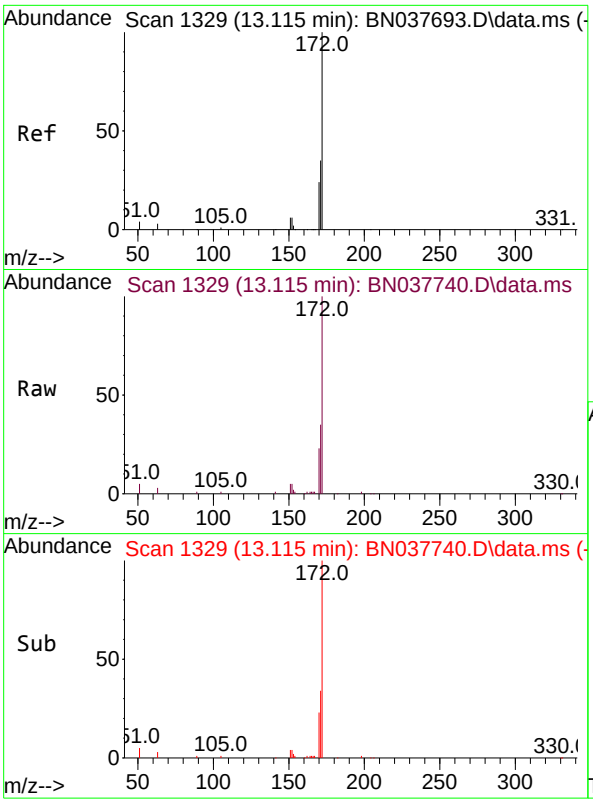


#14
2,4,6-Tribromophenol
Concen: 0.470 ng
RT: 15.982 min Scan# 1591
Delta R.T. -0.000 min
Lab File: BN037740.D
Acq: 17 Sep 2025 11:25

Tgt Ion:330 Resp: 1095

Ion	Ratio	Lower	Upper
330	100		
332	96.0	75.3	112.9
141	39.1	35.0	52.4



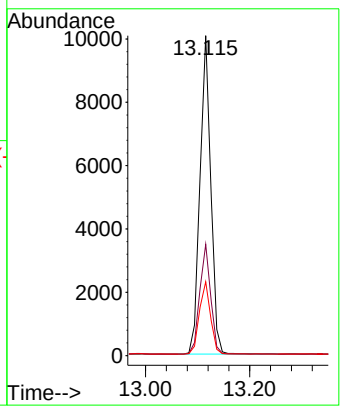


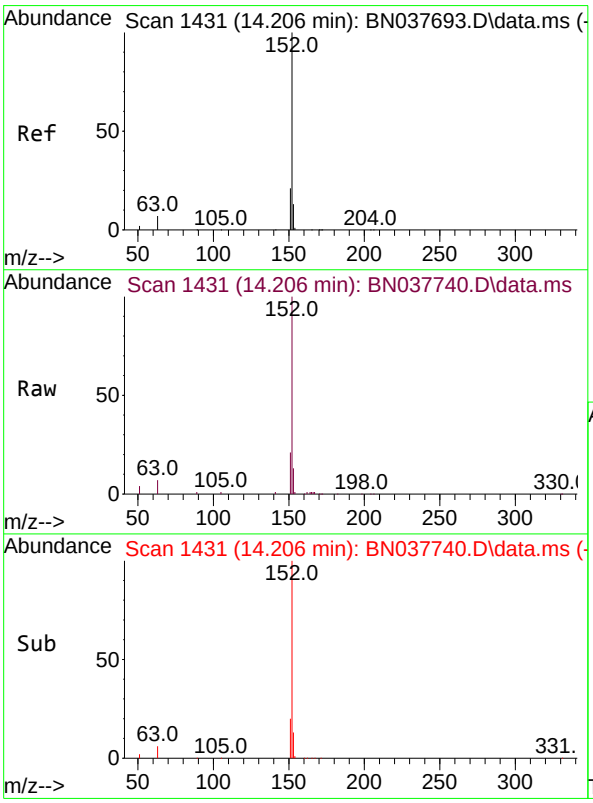
#15
2-Fluorobiphenyl
Concen: 0.387 ng
RT: 13.115 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037740.D
Acq: 17 Sep 2025 11:25

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 14468

Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.6	43.0
170	23.1	19.8	29.8

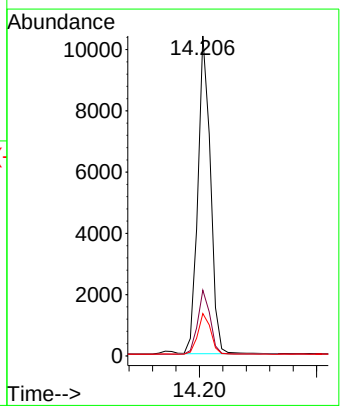


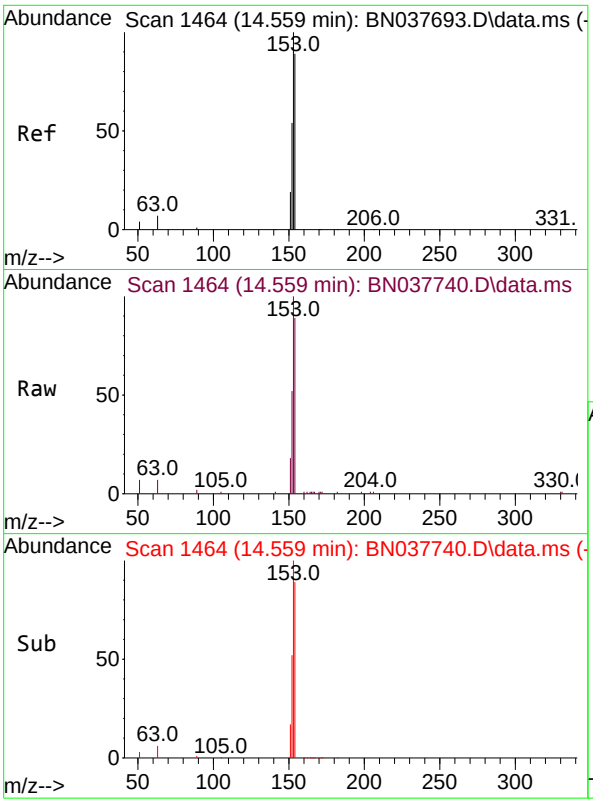


#16
Acenaphthylene
Concen: 0.375 ng
RT: 14.206 min Scan# 1431
Delta R.T. -0.000 min
Lab File: BN037740.D
Acq: 17 Sep 2025 11:25

Tgt Ion:152 Resp: 15354

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.2	24.2
153	12.9	10.4	15.6



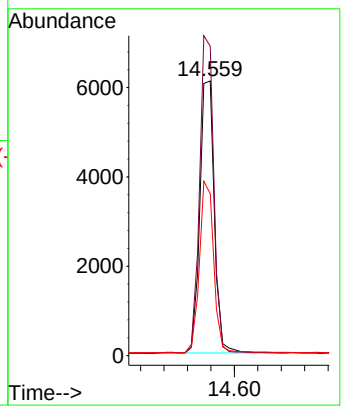


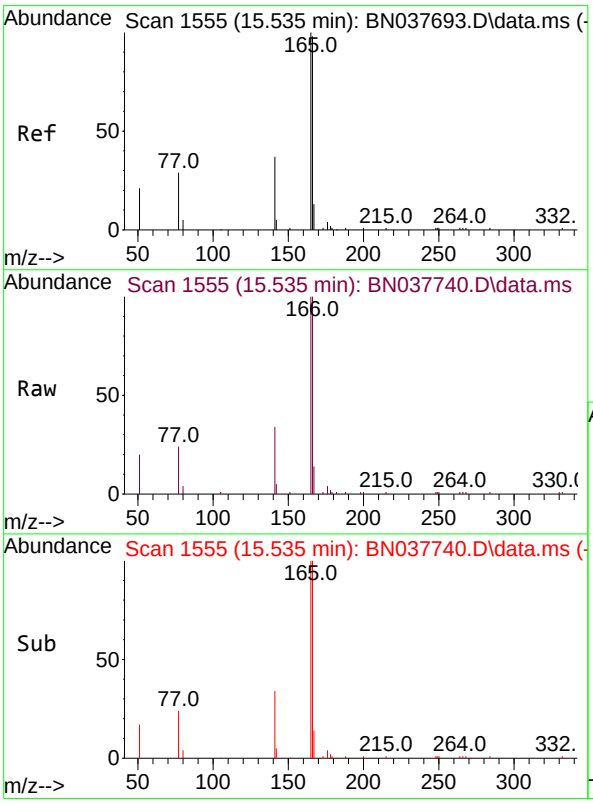
#17
Acenaphthene
Concen: 0.375 ng
RT: 14.559 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN037740.D
Acq: 17 Sep 2025 11:25

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 10379

Ion	Ratio	Lower	Upper
154	100		
153	114.4	89.8	134.8
152	62.3	50.2	75.2

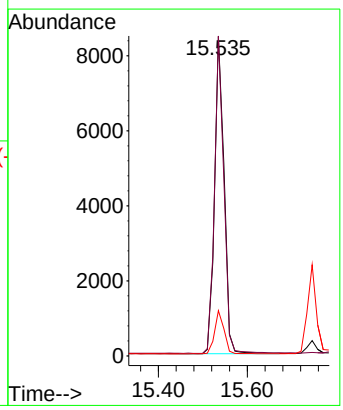


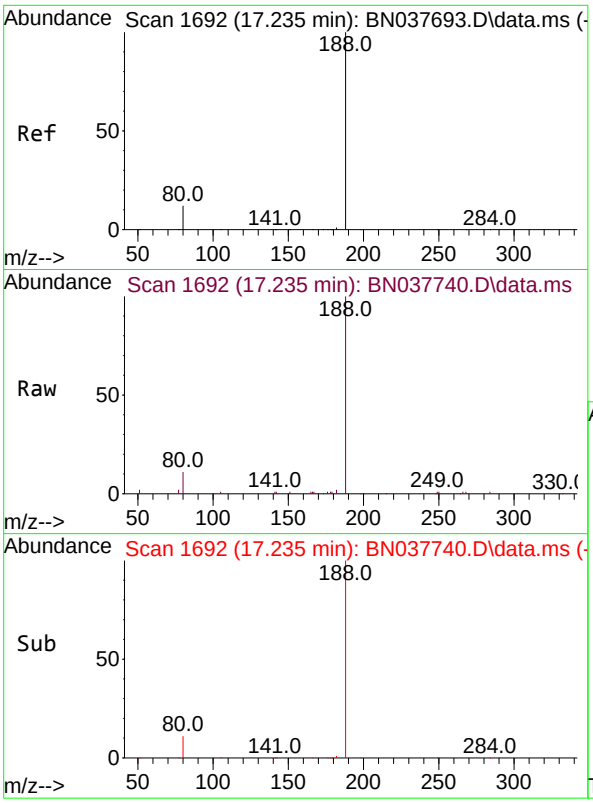


#18
Fluorene
Concen: 0.358 ng
RT: 15.535 min Scan# 1555
Delta R.T. -0.000 min
Lab File: BN037740.D
Acq: 17 Sep 2025 11:25

Tgt Ion:166 Resp: 12010

Ion	Ratio	Lower	Upper
166	100		
165	100.0	79.6	119.4
167	13.8	10.6	16.0



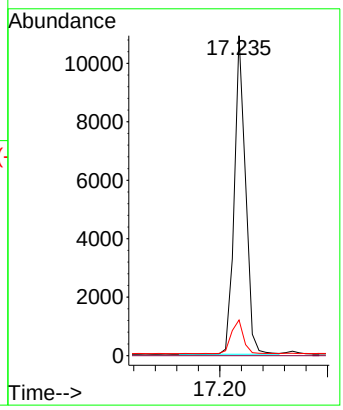


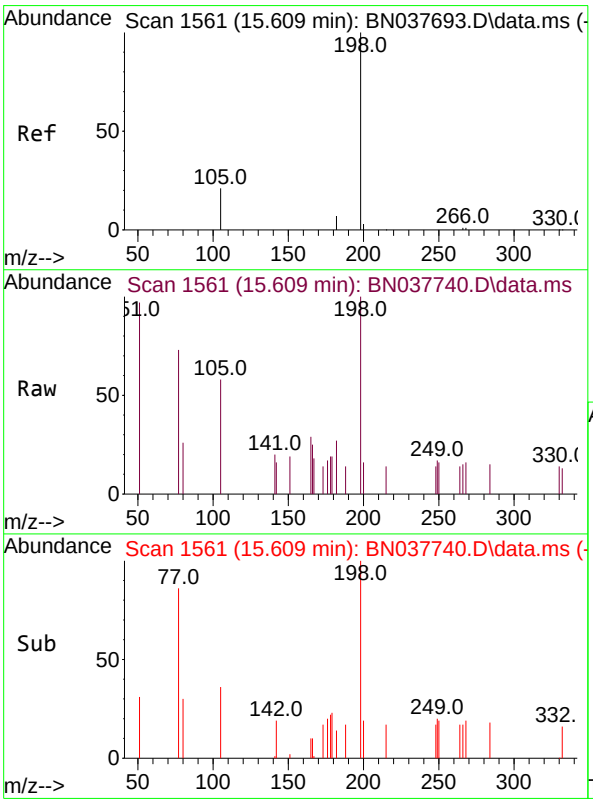
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.235 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037740.D
Acq: 17 Sep 2025 11:25

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 15814

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.1	10.6	15.8

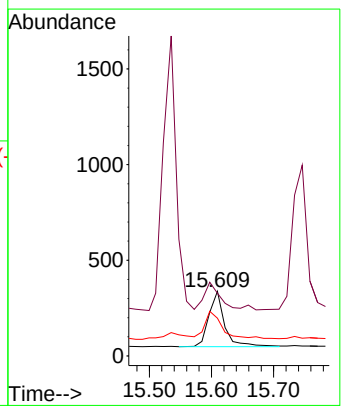


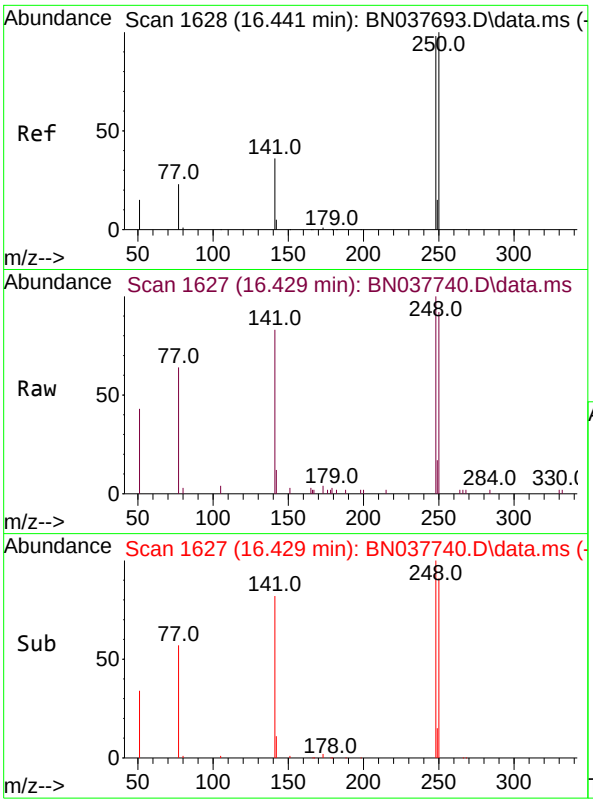


#20
4,6-Dinitro-2-methylphenol
Concen: 0.350 ng
RT: 15.609 min Scan# 1561
Delta R.T. 0.000 min
Lab File: BN037740.D
Acq: 17 Sep 2025 11:25

Tgt Ion:198 Resp: 512

Ion	Ratio	Lower	Upper
198	100		
51	97.0	95.1	142.7
105	58.3	53.8	80.6



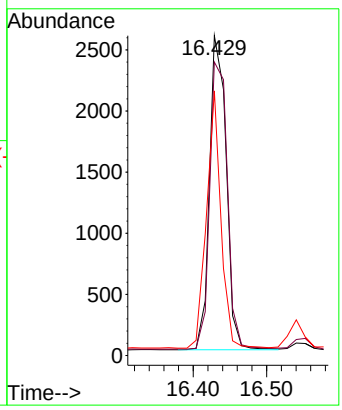


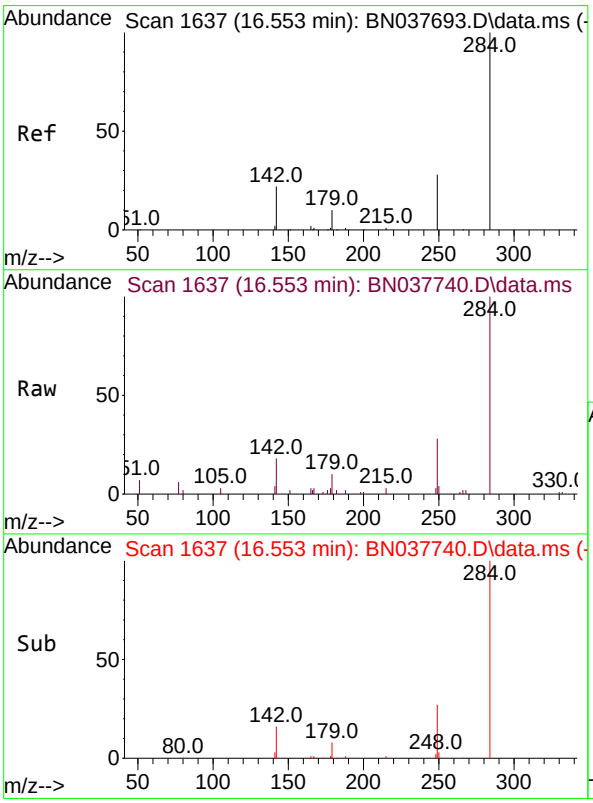
#21
4-Bromophenyl-phenylether
Concen: 0.395 ng
RT: 16.429 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037740.D
Acq: 17 Sep 2025 11:25

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:248 Resp: 4071

Ion	Ratio	Lower	Upper
248	100		
250	91.7	81.5	122.3
141	82.7	30.8	46.2#

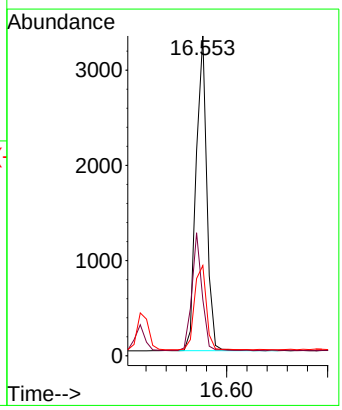


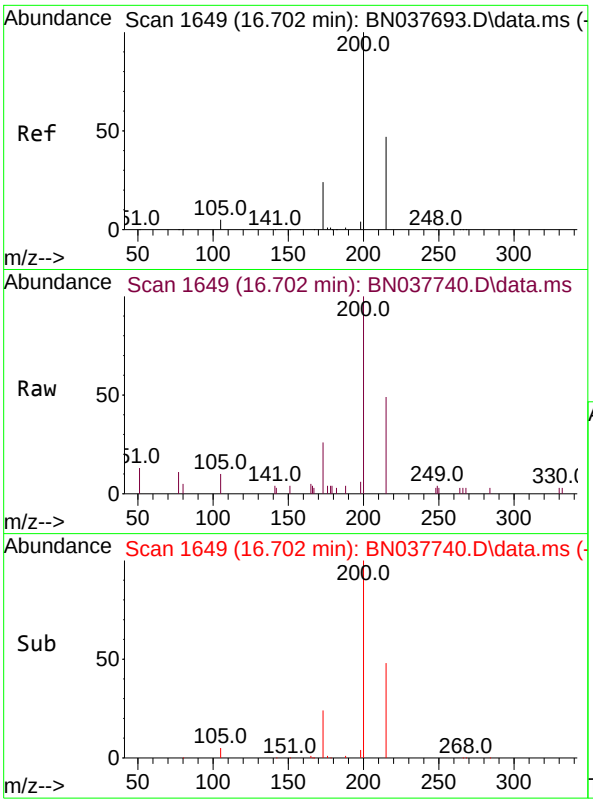


#22
Hexachlorobenzene
Concen: 0.409 ng
RT: 16.553 min Scan# 1637
Delta R.T. -0.000 min
Lab File: BN037740.D
Acq: 17 Sep 2025 11:25

Tgt Ion:284 Resp: 4849

Ion	Ratio	Lower	Upper
284	100		
142	35.8	30.9	46.3
249	29.7	24.8	37.2



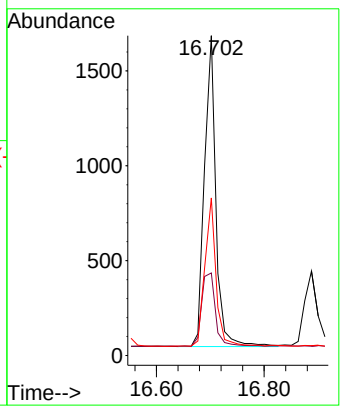


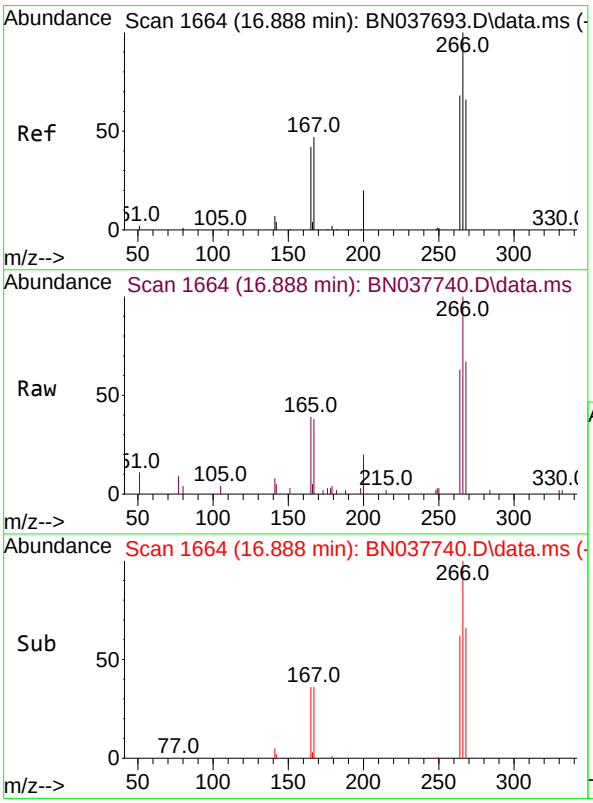
#23
Atrazine
Concen: 0.371 ng
RT: 16.702 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037740.D
Acq: 17 Sep 2025 11:25

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:200 Resp: 2432

Ion	Ratio	Lower	Upper
200	100		
173	25.8	21.4	32.2
215	49.3	39.2	58.8

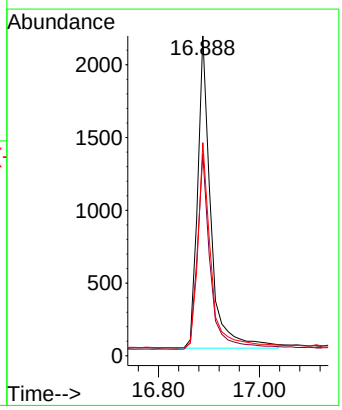


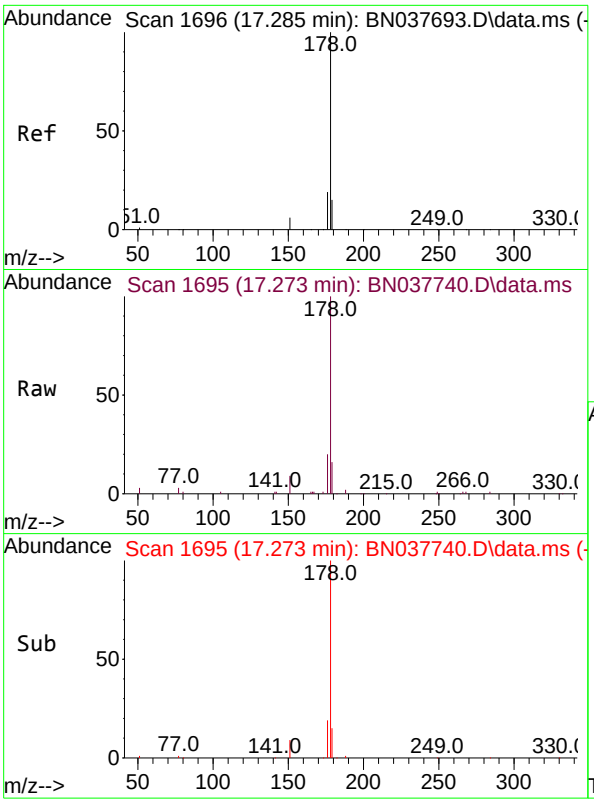


#24
Pentachlorophenol
Concen: 1.120 ng
RT: 16.888 min Scan# 1664
Delta R.T. -0.000 min
Lab File: BN037740.D
Acq: 17 Sep 2025 11:25

Tgt Ion:266 Resp: 3857

Ion	Ratio	Lower	Upper
266	100		
264	62.0	51.6	77.4
268	64.9	53.2	79.8



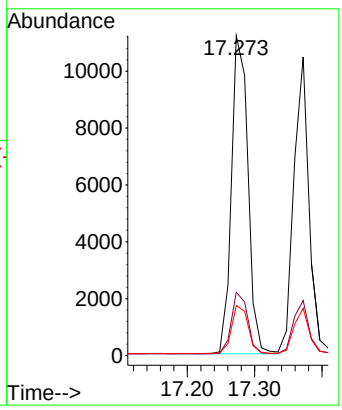


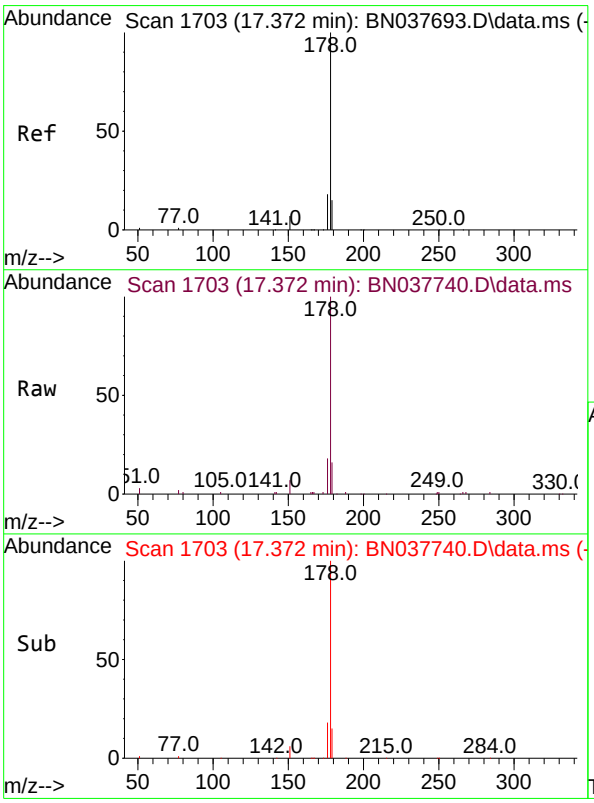
#25
Phenanthrene
Concen: 0.383 ng
RT: 17.273 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037740.D
Acq: 17 Sep 2025 11:25

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 19056

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.3	12.2	18.2

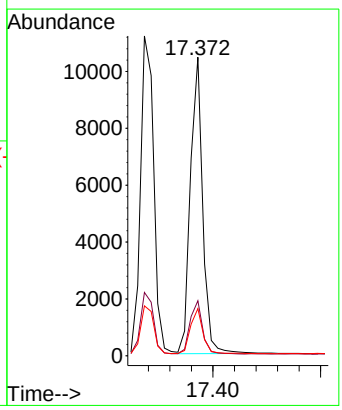


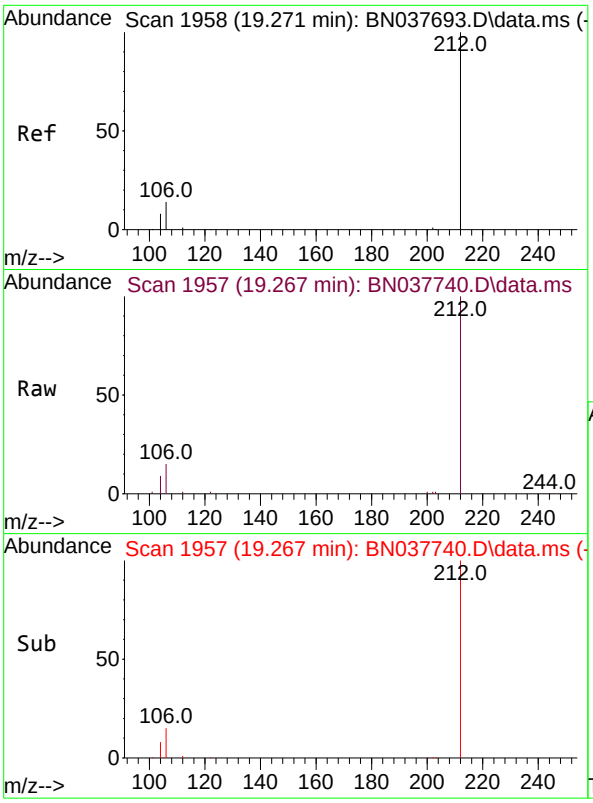


#26
Anthracene
Concen: 0.376 ng
RT: 17.372 min Scan# 1703
Delta R.T. -0.000 min
Lab File: BN037740.D
Acq: 17 Sep 2025 11:25

Tgt Ion:178 Resp: 16581

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.6	22.0
179	15.3	12.2	18.4



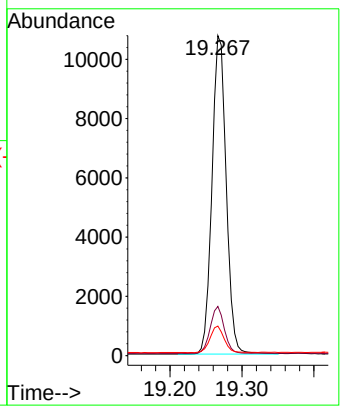


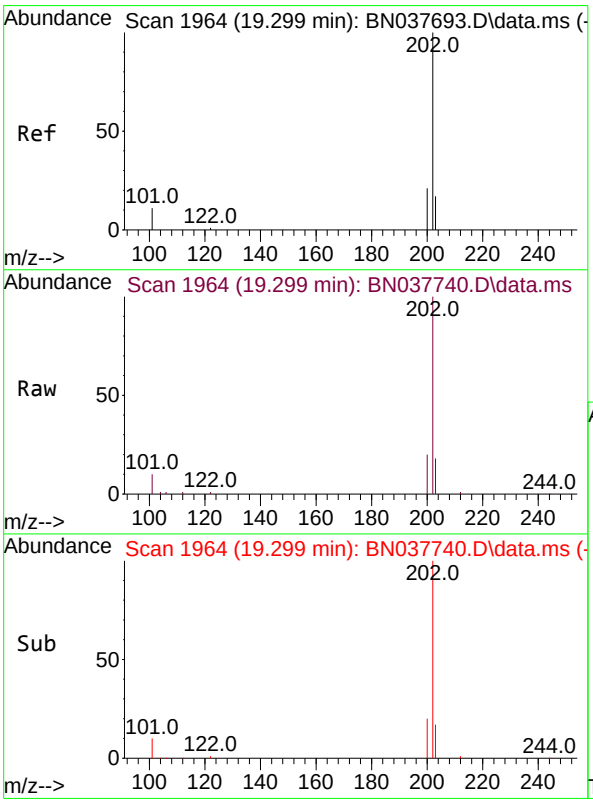
#27
Fluoranthene-d10
Concen: 0.373 ng
RT: 19.267 min Scan# 19
Delta R.T. -0.005 min
Lab File: BN037740.D
Acq: 17 Sep 2025 11:25

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 14803

Ion	Ratio	Lower	Upper
212	100		
106	14.4	12.2	18.2
104	8.3	6.9	10.3

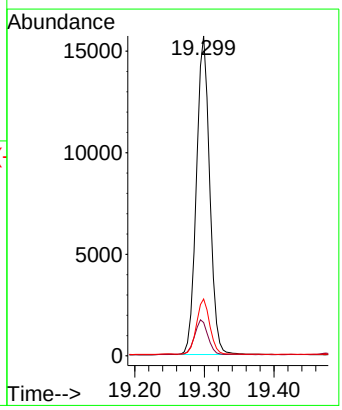


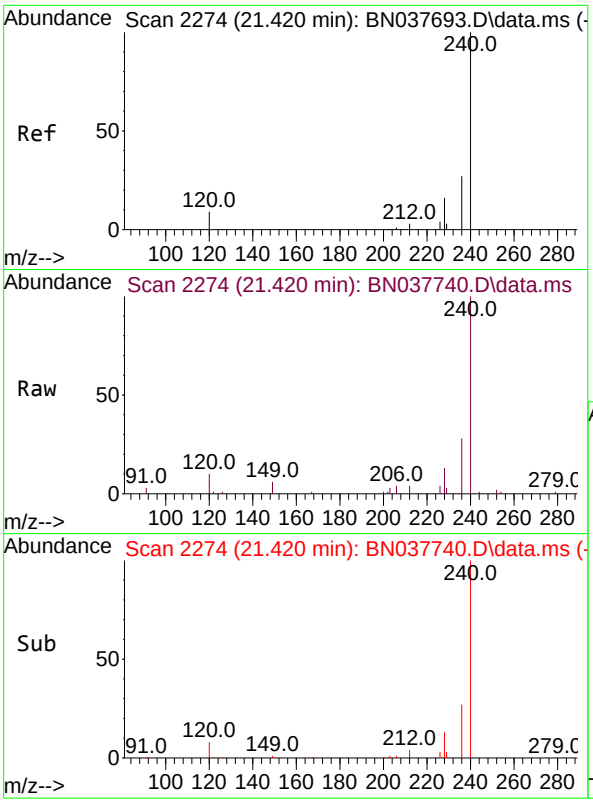


#28
Fluoranthene
Concen: 0.381 ng
RT: 19.299 min Scan# 1964
Delta R.T. -0.000 min
Lab File: BN037740.D
Acq: 17 Sep 2025 11:25

Tgt Ion:202 Resp: 20777

Ion	Ratio	Lower	Upper
202	100		
101	11.1	9.3	13.9
203	17.2	13.7	20.5



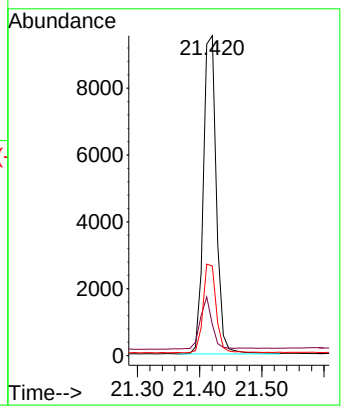


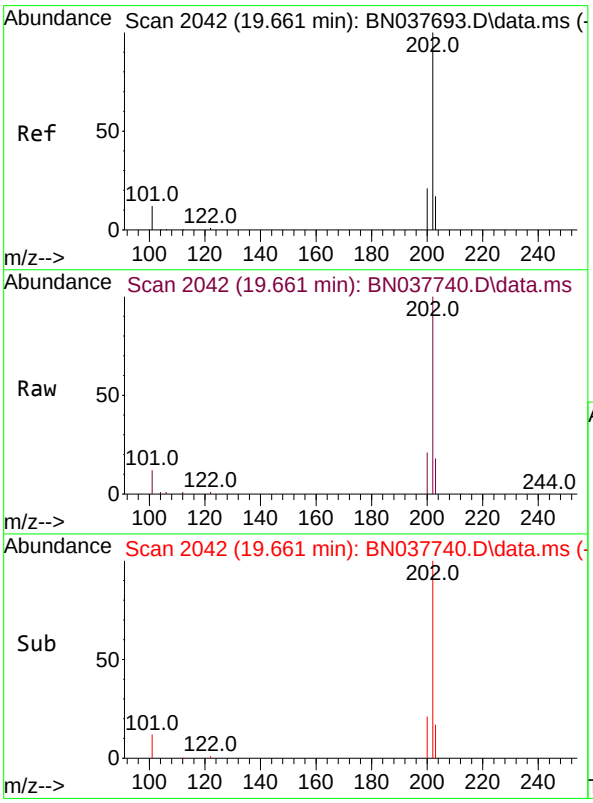
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.420 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037740.D
Acq: 17 Sep 2025 11:25

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 13841

Ion	Ratio	Lower	Upper
240	100		
120	9.8	9.2	13.8
236	28.0	22.6	33.8

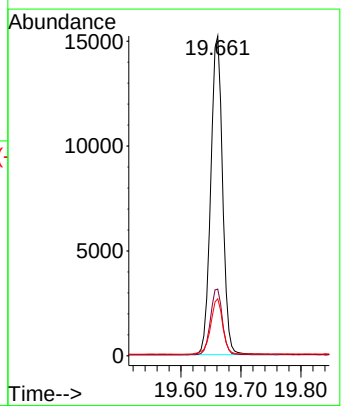


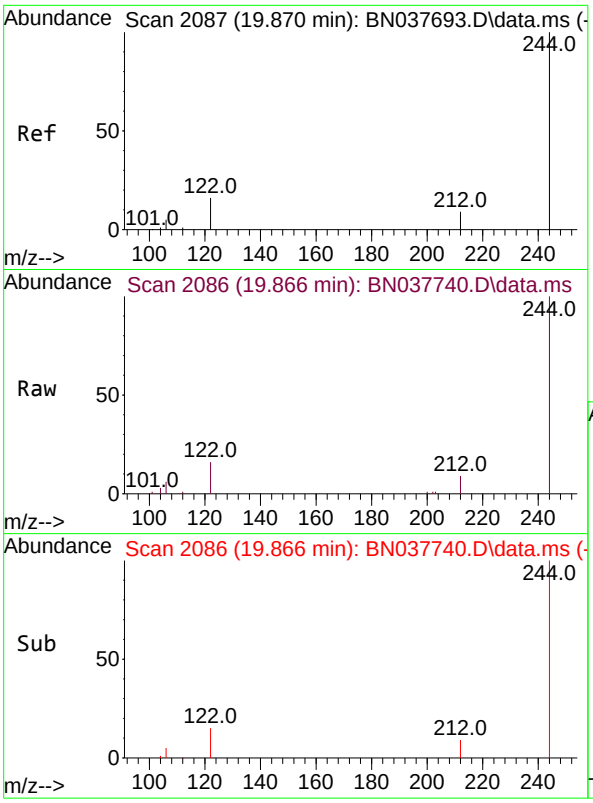


#30
Pyrene
Concen: 0.385 ng
RT: 19.661 min Scan# 2042
Delta R.T. -0.000 min
Lab File: BN037740.D
Acq: 17 Sep 2025 11:25

Tgt Ion:202 Resp: 20869

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.8	25.2
203	17.8	14.3	21.5



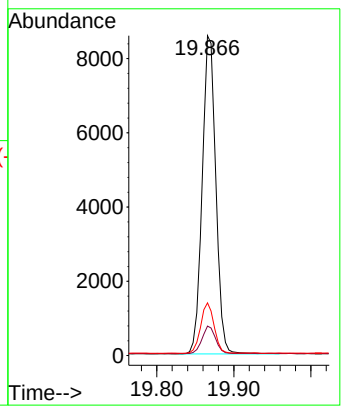


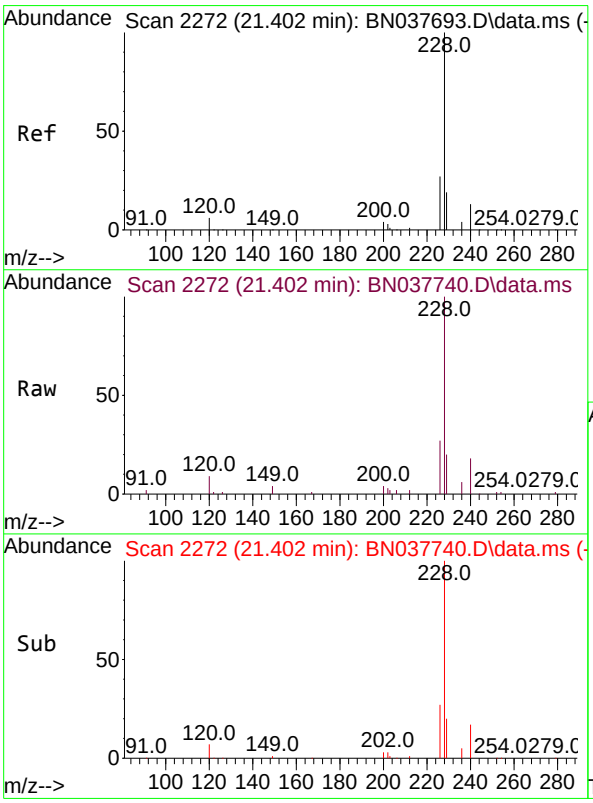
#31
Terphenyl-d14
Concen: 0.373 ng
RT: 19.866 min Scan# 20
Delta R.T. -0.005 min
Lab File: BN037740.D
Acq: 17 Sep 2025 11:25

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 10481

Ion	Ratio	Lower	Upper
244	100		
212	9.2	7.5	11.3
122	16.5	13.2	19.8

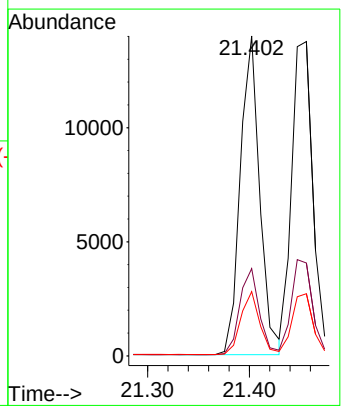


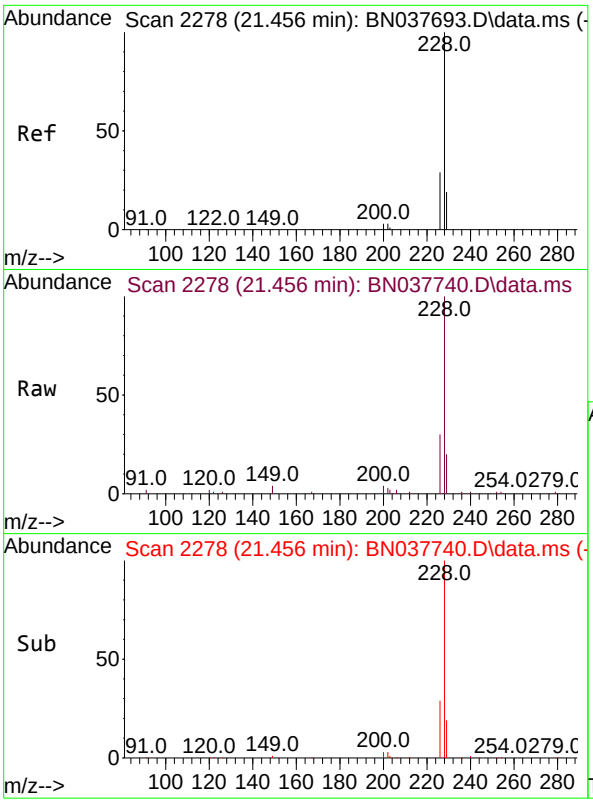


#32
Benzo(a)anthracene
Concen: 0.386 ng
RT: 21.402 min Scan# 2272
Delta R.T. -0.000 min
Lab File: BN037740.D
Acq: 17 Sep 2025 11:25

Tgt Ion:228 Resp: 18615

Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.2	33.2
229	20.1	15.8	23.6



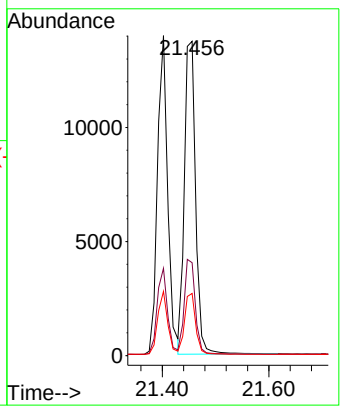


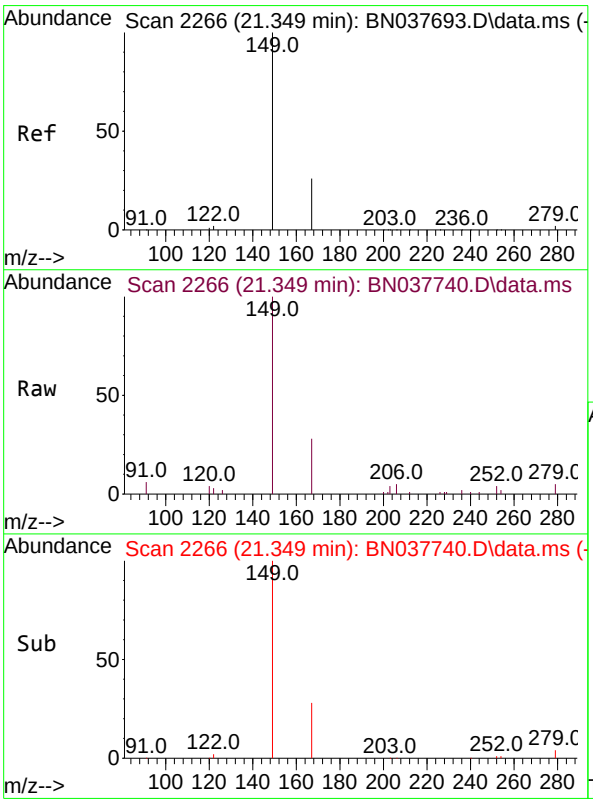
#33
Chrysene
Concen: 0.390 ng
RT: 21.456 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037740.D
Acq: 17 Sep 2025 11:25

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 20188

Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.5	35.3
229	19.8	15.9	23.9

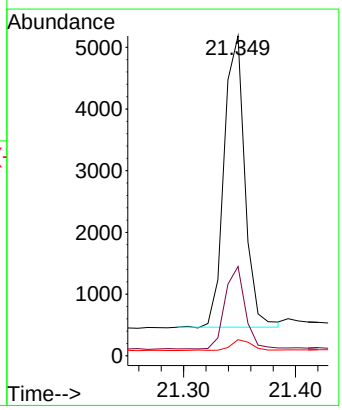


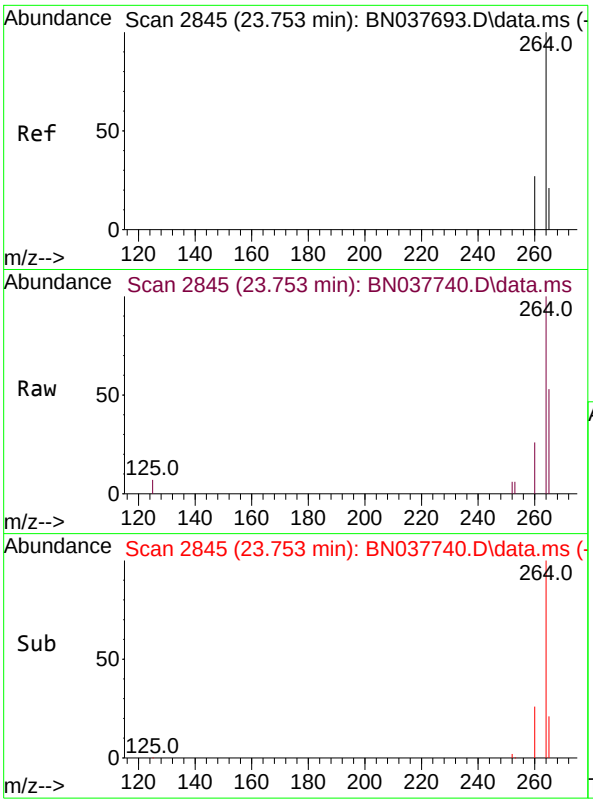


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.425 ng
RT: 21.349 min Scan# 2266
Delta R.T. -0.000 min
Lab File: BN037740.D
Acq: 17 Sep 2025 11:25

Tgt Ion:149 Resp: 6080

Ion	Ratio	Lower	Upper
149	100		
167	27.5	20.8	31.2
279	3.8	3.3	4.9



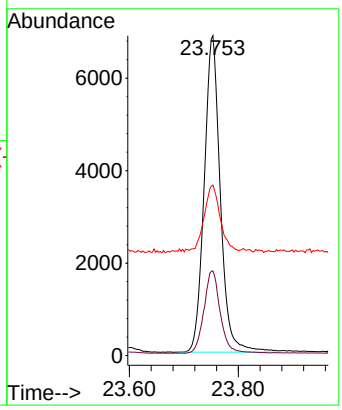


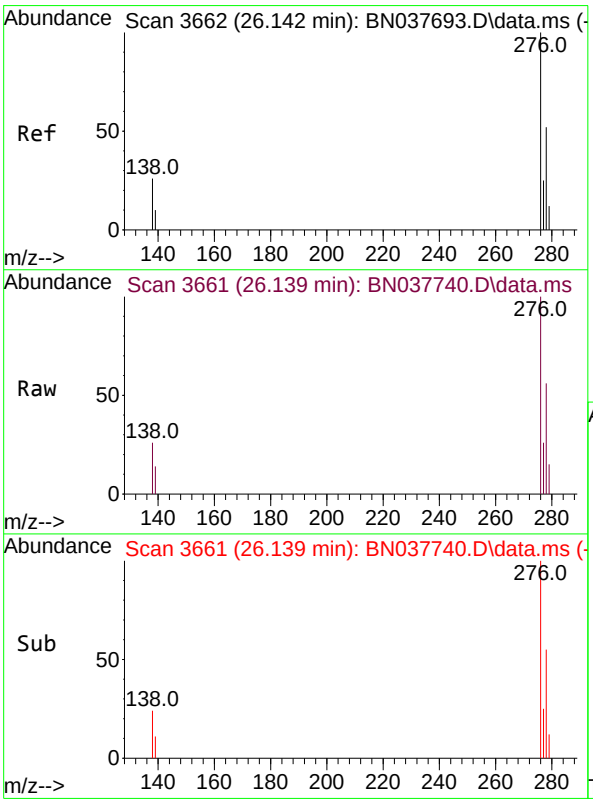
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.753 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037740.D
Acq: 17 Sep 2025 11:25

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:264 Resp: 14132

Ion	Ratio	Lower	Upper
264	100		
260	26.5	21.8	32.8
265	53.3	39.4	59.2

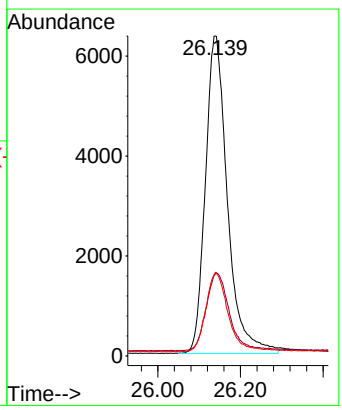


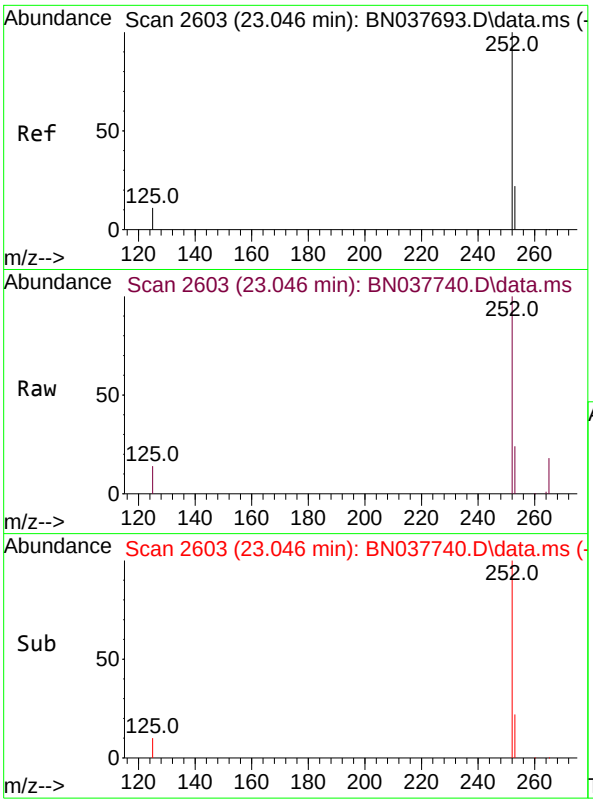


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.397 ng
RT: 26.139 min Scan# 3661
Delta R.T. -0.003 min
Lab File: BN037740.D
Acq: 17 Sep 2025 11:25

Tgt Ion:276 Resp: 23556

Ion	Ratio	Lower	Upper
276	100		
138	25.6	21.9	32.9
277	25.0	20.1	30.1



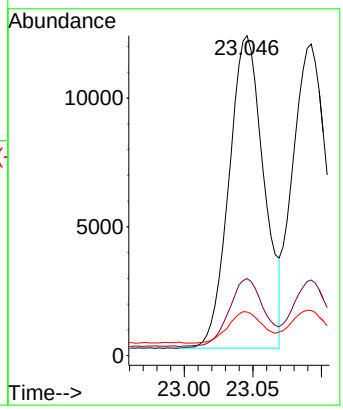


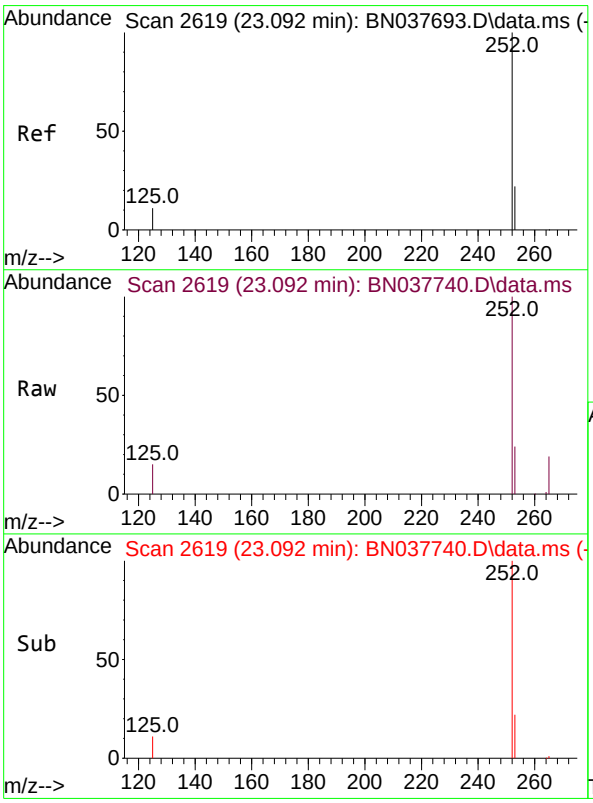
#37
Benzo(b)fluoranthene
Concen: 0.385 ng
RT: 23.046 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037740.D
Acq: 17 Sep 2025 11:25

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 21437

Ion	Ratio	Lower	Upper
252	100		
253	24.1	19.4	29.2
125	13.6	11.2	16.8

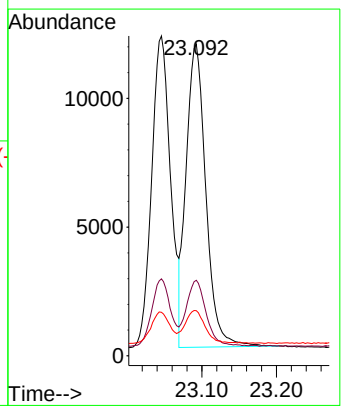


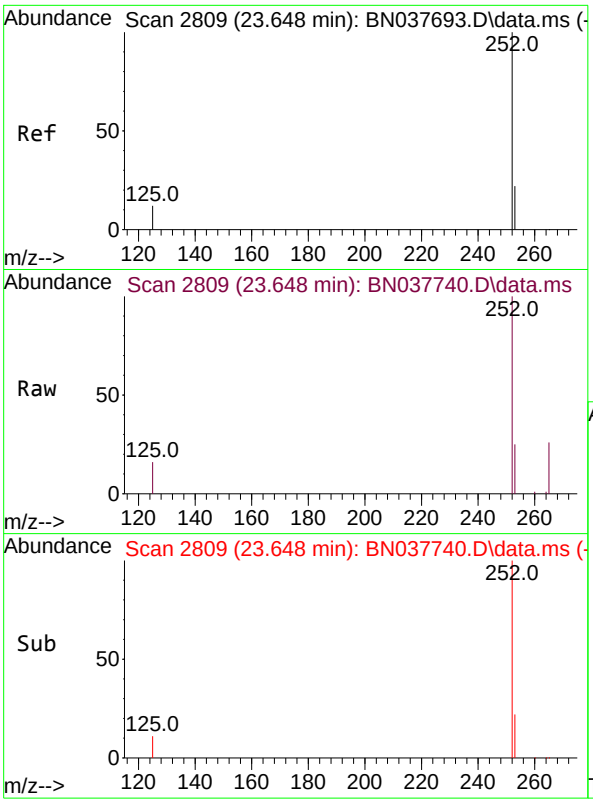


#38
Benzo(k)fluoranthene
Concen: 0.382 ng
RT: 23.092 min Scan# 2619
Delta R.T. -0.000 min
Lab File: BN037740.D
Acq: 17 Sep 2025 11:25

Tgt Ion:252 Resp: 21654

Ion	Ratio	Lower	Upper
252	100		
253	24.3	19.4	29.0
125	14.5	11.6	17.4



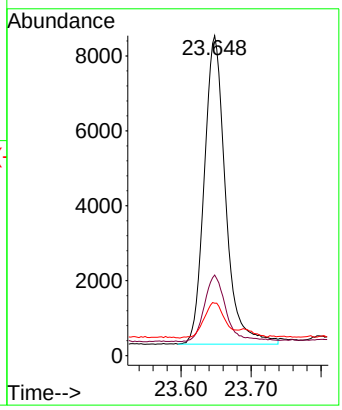


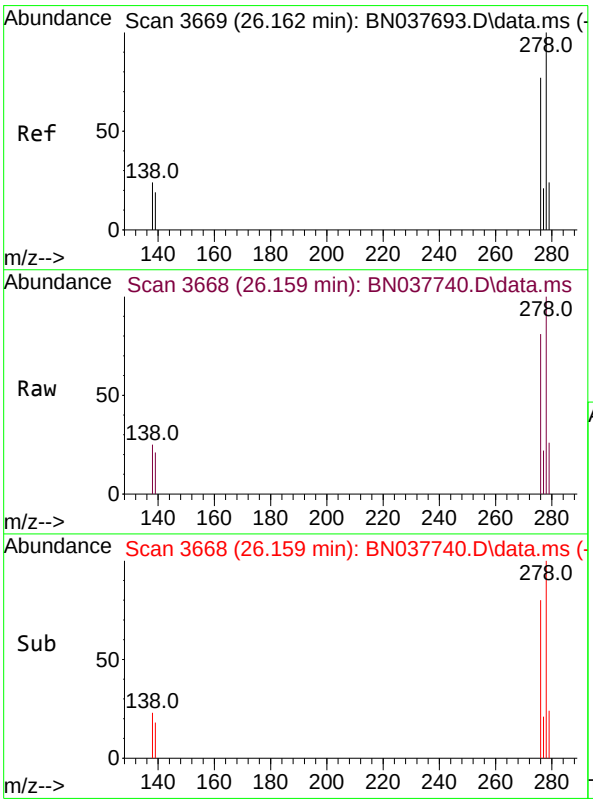
#39
Benzo(a)pyrene
Concen: 0.390 ng
RT: 23.648 min Scan# 28
Delta R.T. -0.000 min
Lab File: BN037740.D
Acq: 17 Sep 2025 11:25

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 17359

Ion	Ratio	Lower	Upper
252	100		
253	25.2	20.8	31.2
125	16.4	13.9	20.9

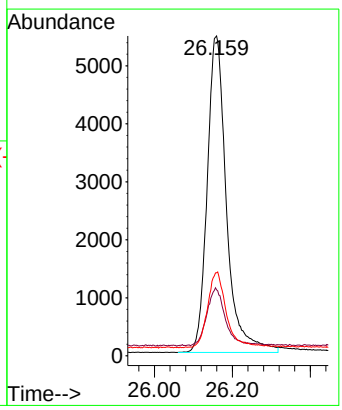


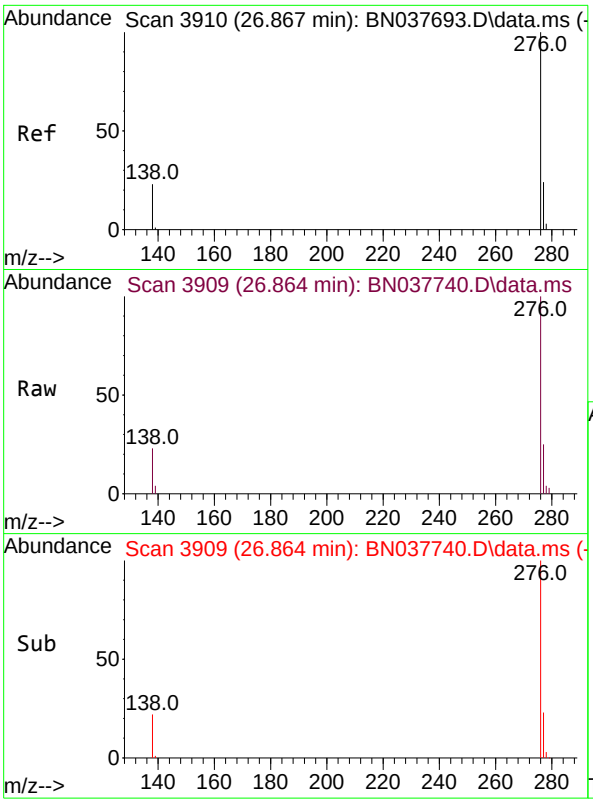


#40
Dibenzo(a,h)anthracene
Concen: 0.395 ng
RT: 26.159 min Scan# 3668
Delta R.T. -0.003 min
Lab File: BN037740.D
Acq: 17 Sep 2025 11:25

Tgt Ion:278 Resp: 18747

Ion	Ratio	Lower	Upper
278	100		
139	20.6	17.8	26.6
279	26.0	22.0	33.0



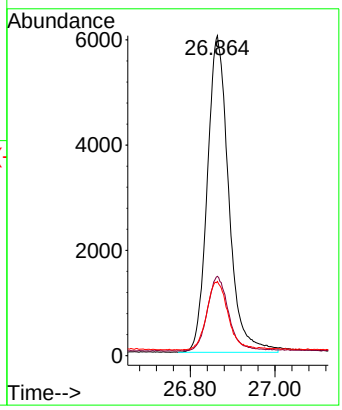


#41
Benzo(g,h,i)perylene
Concen: 0.396 ng
RT: 26.864 min Scan# 3
Delta R.T. -0.003 min
Lab File: BN037740.D
Acq: 17 Sep 2025 11:25

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 21072

Ion	Ratio	Lower	Upper
276	100		
277	24.8	20.6	31.0
138	23.2	20.2	30.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091725\
Data File : BN037740.D
Acq On : 17 Sep 2025 11:25
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Quant Time: Sep 17 12:51:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	133	0.00
2		1,4-Dioxane	0.417	0.449	-7.7	142	0.00
3		n-Nitrosodimethylamine	0.544	0.479	11.9	113	0.00
4	S	2-Fluorophenol	0.918	0.926	-0.9	139	0.00
5	S	Phenol-d6	1.191	1.176	1.3	136	0.00
6		bis(2-Chloroethyl)ether	1.064	1.056	0.8	132	0.00
7	I	Naphthalene-d8	1.000	1.000	0.0	139	0.00
8	S	Nitrobenzene-d5	0.293	0.284	3.1	138	-0.01
9		Naphthalene	1.093	1.063	2.7	137	0.00
10		Hexachlorobutadiene	0.198	0.188	5.1	132	-0.01
11	SURR	2-Methylnaphthalene-d10	0.530	0.517	2.5	144	0.00
12		2-Methylnaphthalene	0.676	0.661	2.2	139	0.00
13	I	Acenaphthene-d10	1.000	1.000	0.0	144	0.00
14	S	2,4,6-Tribromophenol	0.104	0.123	-18.3	175#	0.00
15	S	2-Fluorobiphenyl	1.673	1.620	3.2	141	0.00
16		Acenaphthylene	1.834	1.719	6.3	139	0.00
17		Acenaphthene	1.240	1.162	6.3	138	0.00
18		Fluorene	1.502	1.345	10.5	134	0.00
19	I	Phenanthrene-d10	1.000	1.000	0.0	140	0.00
20		4,6-Dinitro-2-methylphenol	0.037	0.032	13.5	138	0.00
21		4-Bromophenyl-phenylether	0.261	0.257	1.5	144	-0.01
22		Hexachlorobenzene	0.300	0.307	-2.3	146	0.00
23		Atrazine	0.166	0.154	7.2	142	0.00
24		Pentachlorophenol	0.087	0.244	-180.5#	460#	0.00
25		Phenanthrene	1.259	1.205	4.3	138	-0.01
26		Anthracene	1.116	1.049	6.0	138	0.00
27	SURR	Fluoranthene-d10	1.004	0.936	6.8	141	0.00
28		Fluoranthene	1.381	1.314	4.9	141	0.00
29	I	Chrysene-d12	1.000	1.000	0.0	148	0.00
30		Pyrene	1.566	1.508	3.7	143	0.00
31	S	Terphenyl-d14	0.812	0.757	6.8	140	0.00
32		Benzo(a)anthracene	1.395	1.345	3.6	147	0.00
33		Chrysene	1.496	1.459	2.5	144	0.00
34		Bis(2-ethylhexyl)phthalate	0.414	0.439	-6.0	173#	0.00
35	I	Perylene-d12	1.000	1.000	0.0	158#	0.00
36		Indeno(1,2,3-cd)pyrene	1.681	1.667	0.8	170#	0.00
37		Benzo(b)fluoranthene	1.575	1.517	3.7	154#	0.00
38		Benzo(k)fluoranthene	1.606	1.532	4.6	159#	0.00
39	C	Benzo(a)pyrene	1.261	1.228	2.6	161#	0.00
40		Dibenzo(a,h)anthracene	1.342	1.327	1.1	173#	0.00
41		Benzo(g,h,i)perylene	1.506	1.491	1.0	162#	0.00

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091725\
Data File : BN037740.D
Acq On : 17 Sep 2025 11:25
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Quant Time: Sep 17 12:51:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	0.400	0.400	0.0	133	0.00
2		1,4-Dioxane	0.400	0.431	-7.7	142	0.00
3		n-Nitrosodimethylamine	0.400	0.352	12.0	113	0.00
4	S	2-Fluorophenol	0.400	0.403	-0.8	139	0.00
5	S	Phenol-d6	0.400	0.395	1.3	136	0.00
6		bis(2-Chloroethyl)ether	0.400	0.397	0.8	132	0.00
7	I	Naphthalene-d8	0.400	0.400	0.0	139	0.00
8	S	Nitrobenzene-d5	0.400	0.388	3.0	138	-0.01
9		Naphthalene	0.400	0.389	2.8	137	0.00
10		Hexachlorobutadiene	0.400	0.380	5.0	132	-0.01
11	SURR	2-Methylnaphthalene-d10	0.400	0.391	2.3	144	0.00
12		2-Methylnaphthalene	0.400	0.391	2.3	139	0.00
13	I	Acenaphthene-d10	0.400	0.400	0.0	144	0.00
14	S	2,4,6-Tribromophenol	0.400	0.470	-17.5	175	0.00
15	S	2-Fluorobiphenyl	0.400	0.387	3.3	141	0.00
16		Acenaphthylene	0.400	0.375	6.3	139	0.00
17		Acenaphthene	0.400	0.375	6.3	138	0.00
18		Fluorene	0.400	0.358	10.5	134	0.00
19	I	Phenanthrene-d10	0.400	0.400	0.0	140	0.00
20		4,6-Dinitro-2-methylphenol	0.400	0.350	12.5	138	0.00
21		4-Bromophenyl-phenylether	0.400	0.395	1.3	144	-0.01
22		Hexachlorobenzene	0.400	0.409	-2.2	146	0.00
23		Atrazine	0.400	0.371	7.3	142	0.00
24		Pentachlorophenol	0.400	1.120	-180.0#	460	0.00
25		Phenanthrene	0.400	0.383	4.3	138	-0.01
26		Anthracene	0.400	0.376	6.0	138	0.00
27	SURR	Fluoranthene-d10	0.400	0.373	6.8	141	0.00
28		Fluoranthene	0.400	0.381	4.8	141	0.00
29	I	Chrysene-d12	0.400	0.400	0.0	148	0.00
30		Pyrene	0.400	0.385	3.8	143	0.00
31	S	Terphenyl-d14	0.400	0.373	6.8	140	0.00
32		Benzo(a)anthracene	0.400	0.386	3.5	147	0.00
33		Chrysene	0.400	0.390	2.5	144	0.00
34		Bis(2-ethylhexyl)phthalate	0.400	0.425	-6.2	173	0.00
35	I	Perylene-d12	0.400	0.400	0.0	158	0.00
36		Indeno(1,2,3-cd)pyrene	0.400	0.397	0.8	170	0.00
37		Benzo(b)fluoranthene	0.400	0.385	3.8	154	0.00
38		Benzo(k)fluoranthene	0.400	0.382	4.5	159	0.00
39	C	Benzo(a)pyrene	0.400	0.390	2.5	161	0.00
40		Dibenzo(a,h)anthracene	0.400	0.395	1.3	173	0.00
41		Benzo(g,h,i)perylene	0.400	0.396	1.0	162	0.00

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

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO15

Lab Code: ACE SDG No.: Q3095

Instrument ID: BNA_N Calibration Date/Time: 09/17/2025 21:50

Lab File ID: BN037757.D Init. Calib. Date(s): 09/11/2025 09/11/2025

EPA Sample No.: SSTDCCC0.4EC Init. Calib. Time(s): 09:56 13:33

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.530	0.503		-5.1	50.0
Fluoranthene-d10	1.004	0.936		-6.8	50.0
2-Fluorophenol	0.918	0.971		5.8	50.0
Phenol-d6	1.191	1.159		-2.7	50.0
Nitrobenzene-d5	0.293	0.283		-3.4	50.0
2-Fluorobiphenyl	1.673	1.646		-1.6	50.0
2,4,6-Tribromophenol	0.104	0.122		17.3	50.0
Terphenyl-d14	0.812	0.761		-6.3	50.0
1,4-Dioxane	0.417	0.432		3.6	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\BN091725\
Data File : BN037757.D
Acq On : 17 Sep 2025 21:50
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Quant Time: Sep 18 05:02:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

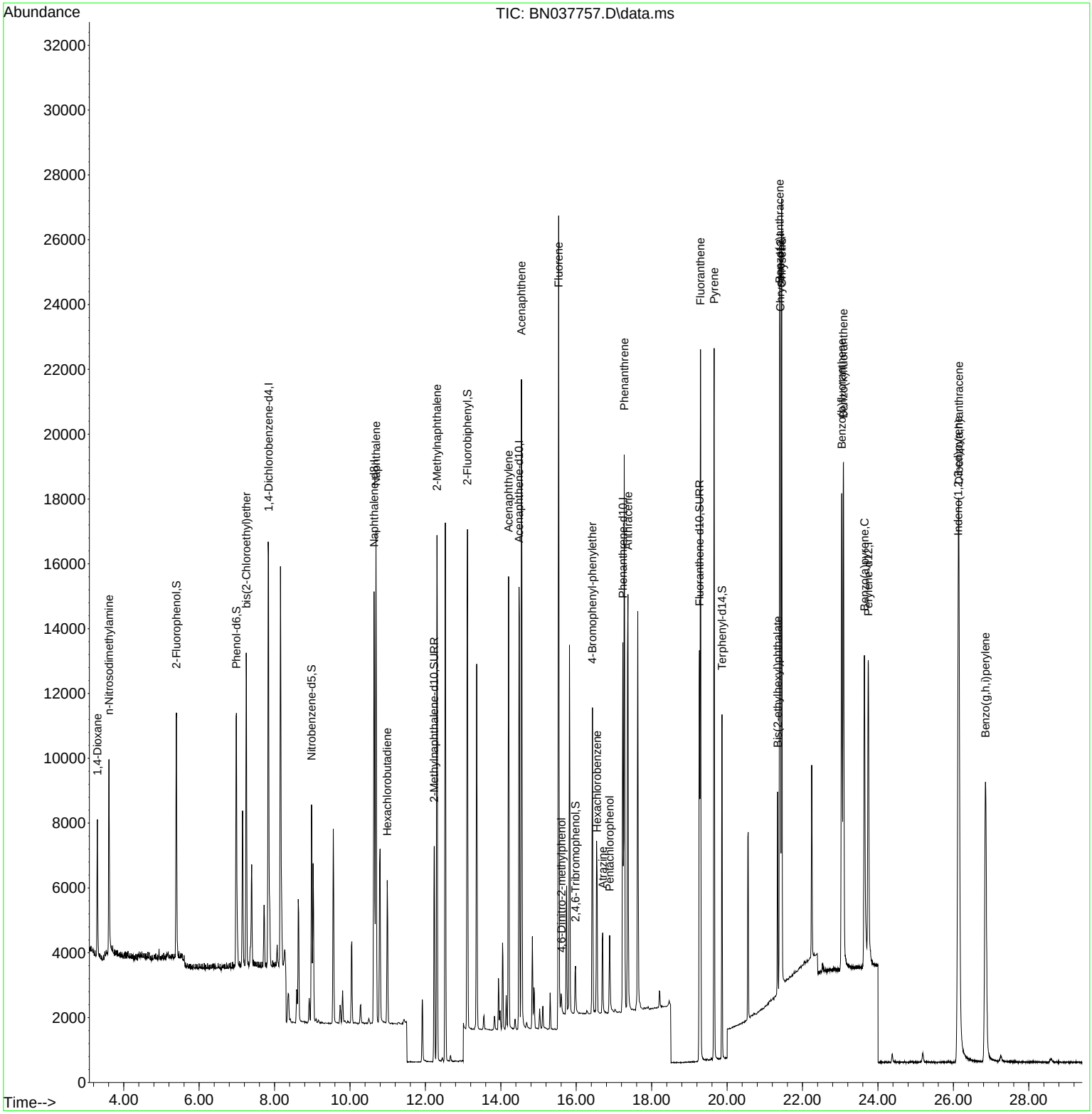
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.840	152	6630	0.400	ng	0.00
7) Naphthalene-d8	10.637	136	17815	0.400	ng	-0.01
13) Acenaphthene-d10	14.484	164	8255	0.400	ng	-0.01
19) Phenanthrene-d10	17.235	188	14702	0.400	ng	# 0.00
29) Chrysene-d12	21.411	240	12983	0.400	ng	# 0.00
35) Perylene-d12	23.744	264	13482	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.399	112	6438	0.423	ng	0.00
5) Phenol-d6	6.988	99	7681	0.389	ng	0.00
8) Nitrobenzene-d5	8.982	82	5036	0.386	ng	-0.01
11) 2-Methylnaphthalene-d10	12.233	152	8966	0.380	ng	-0.01
14) 2,4,6-Tribromophenol	15.982	330	1005	0.467	ng	0.00
15) 2-Fluorobiphenyl	13.115	172	13587	0.394	ng	0.00
27) Fluoranthene-d10	19.266	212	13764	0.373	ng	0.00
31) Terphenyl-d14	19.866	244	9880	0.375	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.304	88	2861	0.414	ng	94
3) n-Nitrosodimethylamine	3.608	42	3465	0.384	ng	# 84
6) bis(2-Chloroethyl)ether	7.248	93	6964	0.395	ng	98
9) Naphthalene	10.690	128	18989	0.390	ng	100
10) Hexachlorobutadiene	10.989	225	3435	0.390	ng	# 100
12) 2-Methylnaphthalene	12.309	142	11595	0.385	ng	98
16) Acenaphthylene	14.206	152	14299	0.378	ng	100
17) Acenaphthene	14.548	154	9779	0.382	ng	98
18) Fluorene	15.535	166	11628	0.375	ng	99
20) 4,6-Dinitro-2-methylph...	15.609	198	458	0.336	ng	91
21) 4-Bromophenyl-phenylether	16.429	248	3725	0.389	ng	# 80
22) Hexachlorobenzene	16.553	284	4478	0.406	ng	98
23) Atrazine	16.702	200	2285	0.375	ng	97
24) Pentachlorophenol	16.888	266	1350	0.422	ng	98
25) Phenanthrene	17.273	178	18027	0.389	ng	100
26) Anthracene	17.372	178	15467	0.377	ng	99
28) Fluoranthene	19.294	202	19235	0.379	ng	100
30) Pyrene	19.657	202	19188	0.378	ng	100
32) Benzo(a)anthracene	21.393	228	16951	0.374	ng	100
33) Chrysene	21.447	228	19181	0.395	ng	98
34) Bis(2-ethylhexyl)phtha...	21.340	149	5358	0.399	ng	98
36) Indeno(1,2,3-cd)pyrene	26.127	276	23784	0.420	ng	99
37) Benzo(b)fluoranthene	23.040	252	20070	0.378	ng	99
38) Benzo(k)fluoranthene	23.087	252	21141	0.391	ng	99
39) Benzo(a)pyrene	23.642	252	15798	0.372	ng	99
40) Dibenzo(a,h)anthracene	26.148	278	19232	0.425	ng	98
41) Benzo(g,h,i)perylene	26.852	276	20047	0.395	ng	99

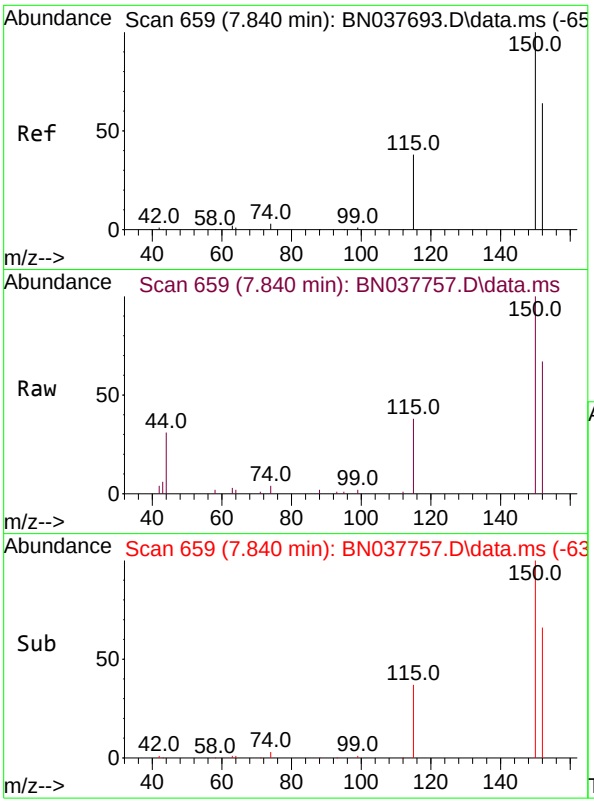
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091725\
Data File : BN037757.D
Acq On : 17 Sep 2025 21:50
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Quant Time: Sep 18 05:02:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration



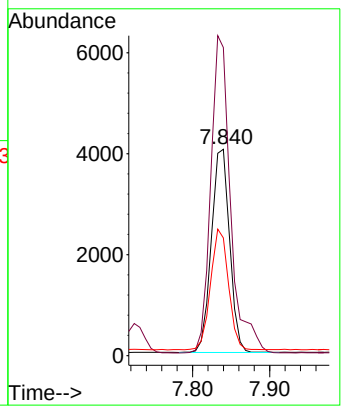


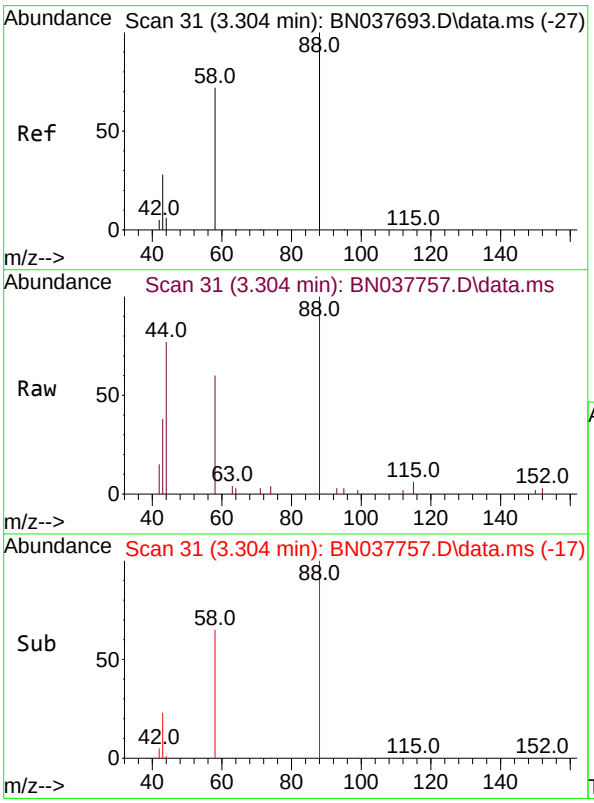
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.840 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN037757.D
Acq: 17 Sep 2025 21:50

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 6630

Ion	Ratio	Lower	Upper
152	100		
150	149.3	124.5	186.7
115	57.0	49.2	73.8

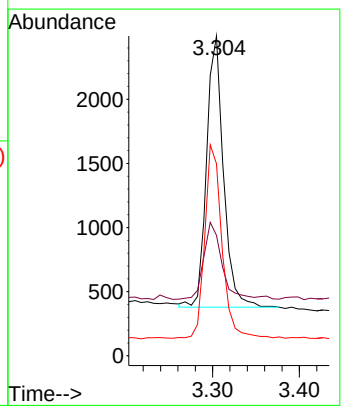


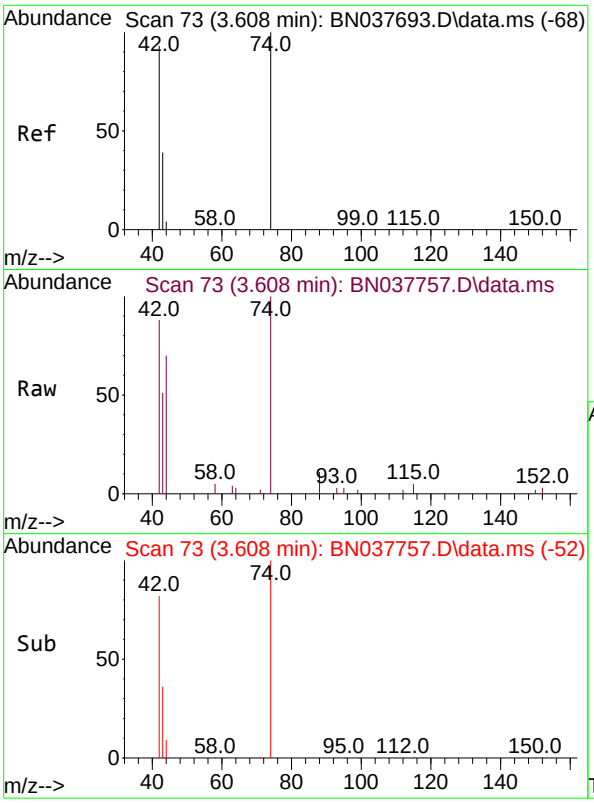


#2
1,4-Dioxane
Concen: 0.414 ng
RT: 3.304 min Scan# 31
Delta R.T. -0.000 min
Lab File: BN037757.D
Acq: 17 Sep 2025 21:50

Tgt Ion: 88 Resp: 2861

Ion	Ratio	Lower	Upper
88	100		
43	29.8	26.8	40.2
58	71.9	61.9	92.9



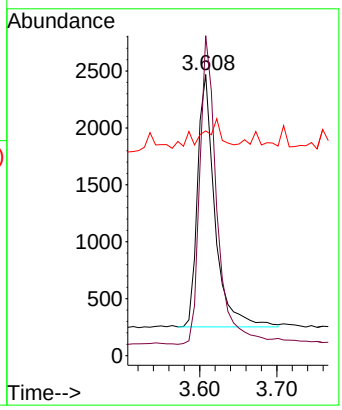


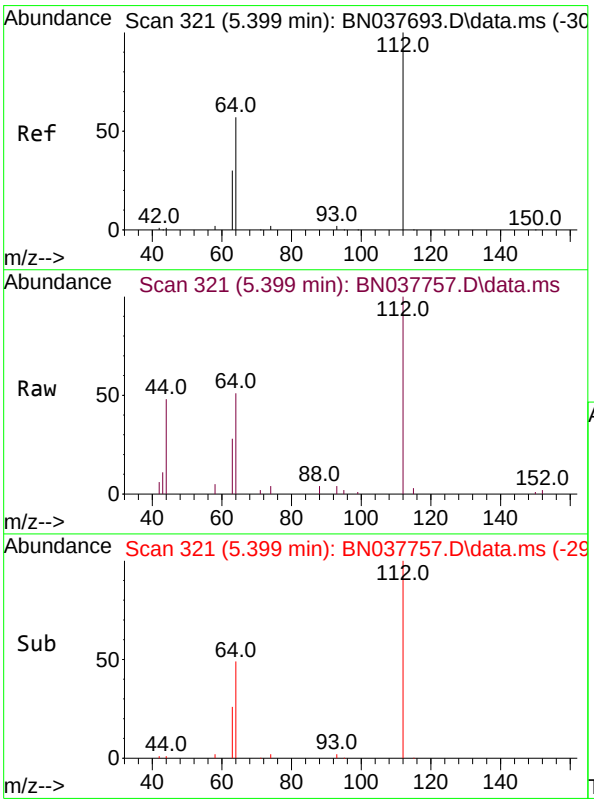
#3
n-Nitrosodimethylamine
Concen: 0.384 ng
RT: 3.608 min Scan# 7
Delta R.T. -0.000 min
Lab File: BN037757.D
Acq: 17 Sep 2025 21:50

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 42 Resp: 3465

Ion	Ratio	Lower	Upper
42	100		
74	123.7	86.0	129.0
44	18.4	8.4	12.6#

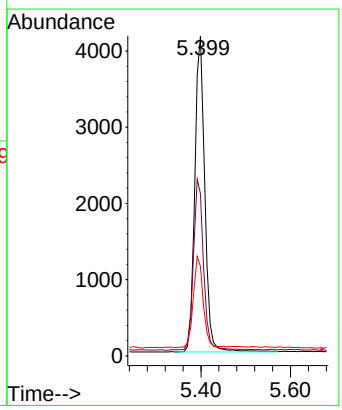


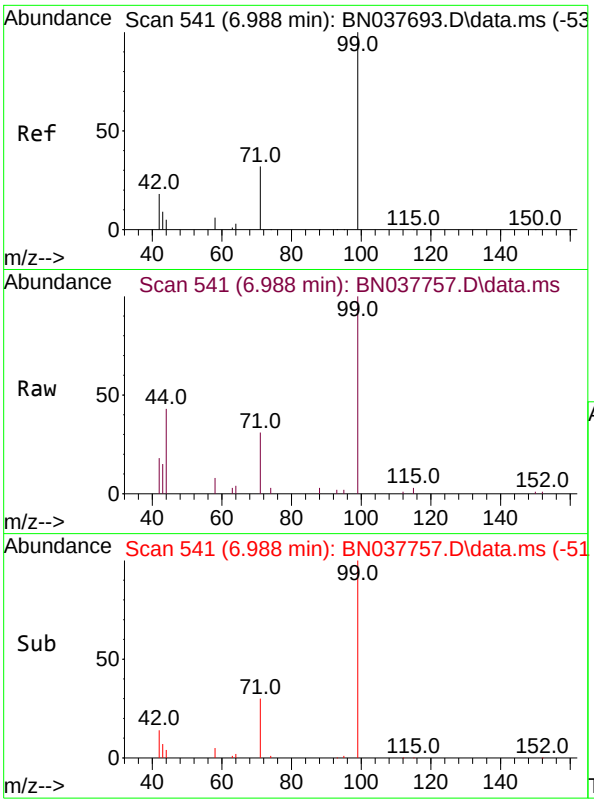


#4
2-Fluorophenol
Concen: 0.423 ng
RT: 5.399 min Scan# 321
Delta R.T. -0.000 min
Lab File: BN037757.D
Acq: 17 Sep 2025 21:50

Tgt Ion:112 Resp: 6438

Ion	Ratio	Lower	Upper
112	100		
64	55.1	44.9	67.3
63	28.7	24.7	37.1



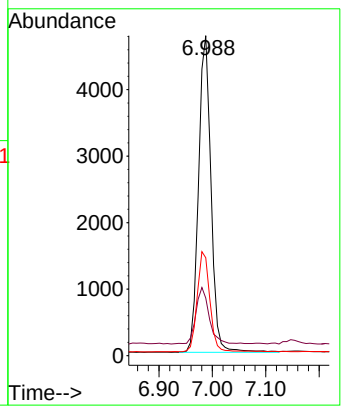


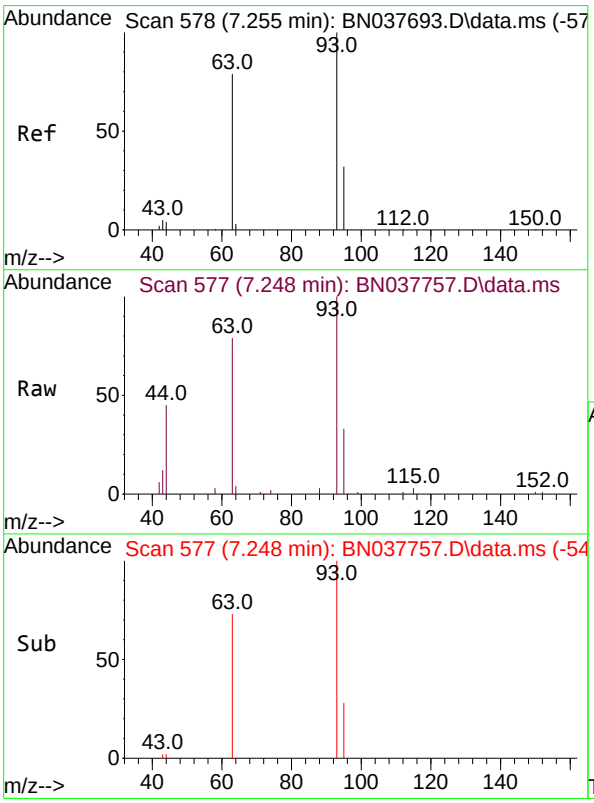
#5
Phenol-d6
Concen: 0.389 ng
RT: 6.988 min Scan# 54
Delta R.T. -0.000 min
Lab File: BN037757.D
Acq: 17 Sep 2025 21:50

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 99 Resp: 7681

Ion	Ratio	Lower	Upper
99	100		
42	19.0	16.6	24.8
71	32.2	26.7	40.1

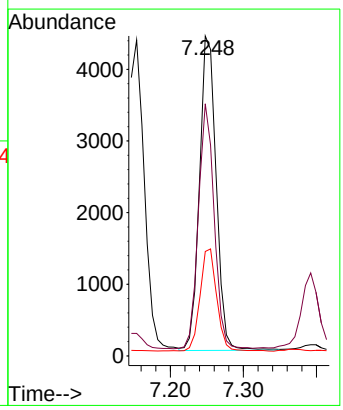


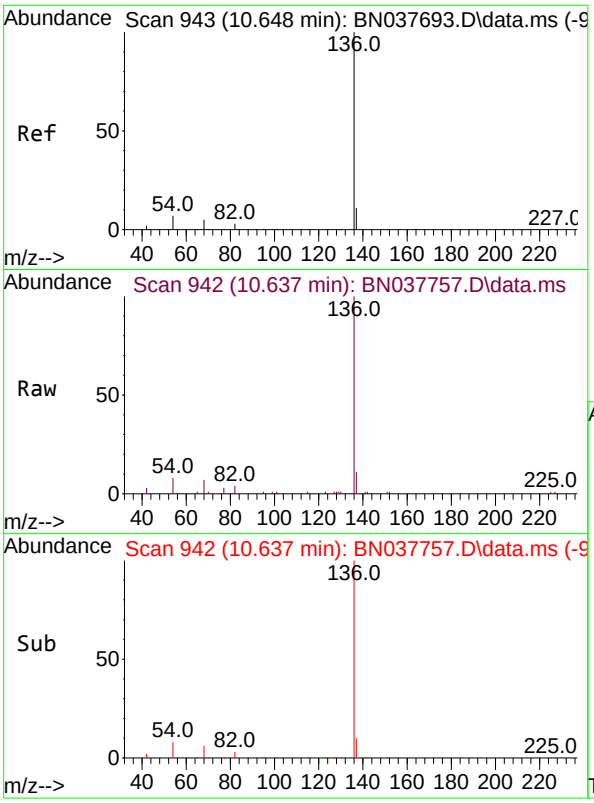


#6
bis(2-Chloroethyl)ether
Concen: 0.395 ng
RT: 7.248 min Scan# 577
Delta R.T. -0.007 min
Lab File: BN037757.D
Acq: 17 Sep 2025 21:50

Tgt Ion: 93 Resp: 6964

Ion	Ratio	Lower	Upper
93	100		
63	73.6	60.6	90.8
95	32.6	26.0	39.0



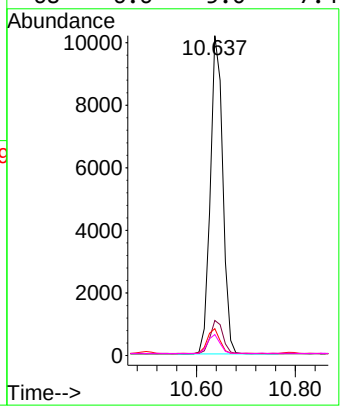


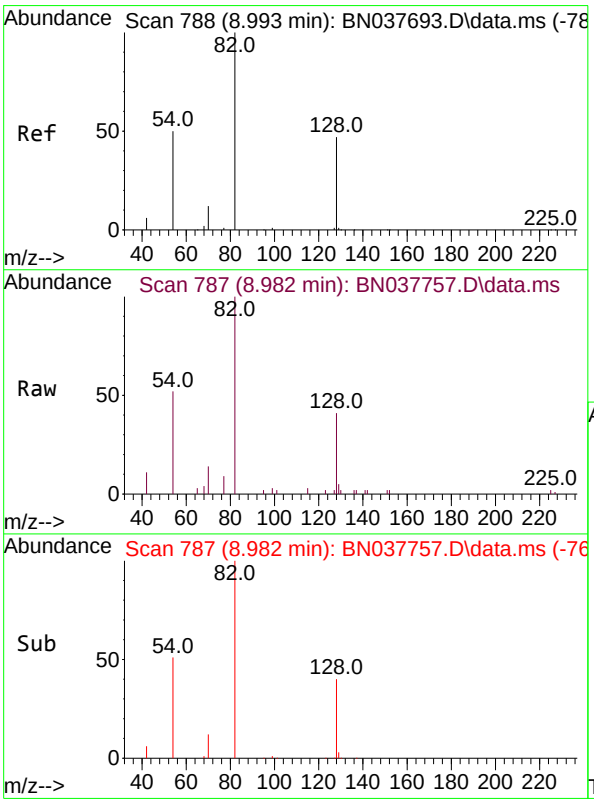
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.637 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037757.D
Acq: 17 Sep 2025 21:50

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:136 Resp: 17815

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.1	13.7
54	8.4	6.3	9.5
68	6.6	5.0	7.4

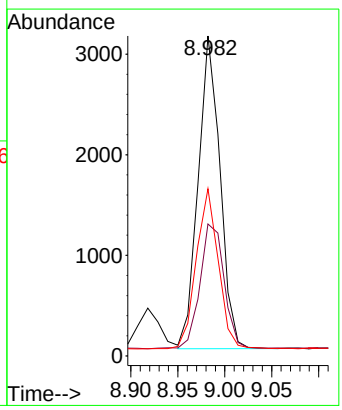


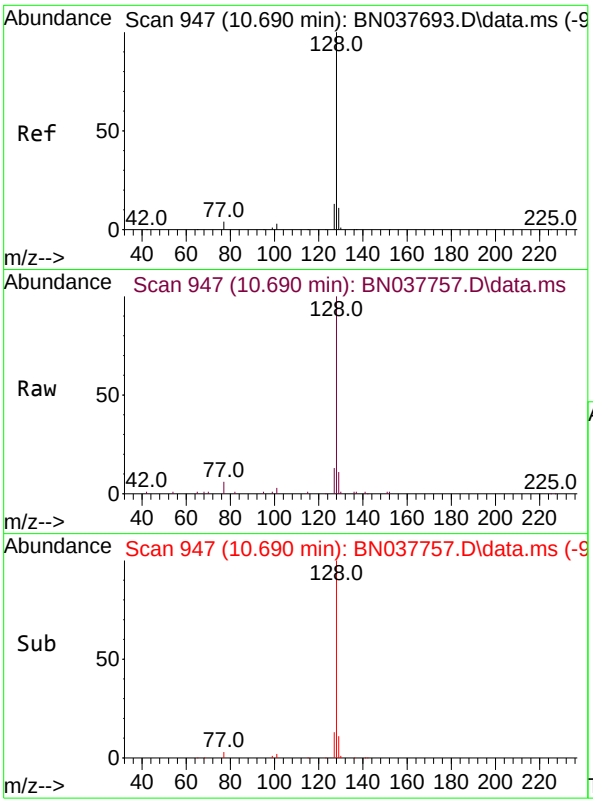


#8
Nitrobenzene-d5
Concen: 0.386 ng
RT: 8.982 min Scan# 787
Delta R.T. -0.011 min
Lab File: BN037757.D
Acq: 17 Sep 2025 21:50

Tgt Ion: 82 Resp: 5036

Ion	Ratio	Lower	Upper
82	100		
128	41.2	38.3	57.5
54	52.2	41.4	62.2



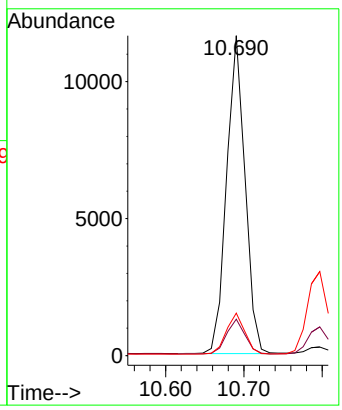


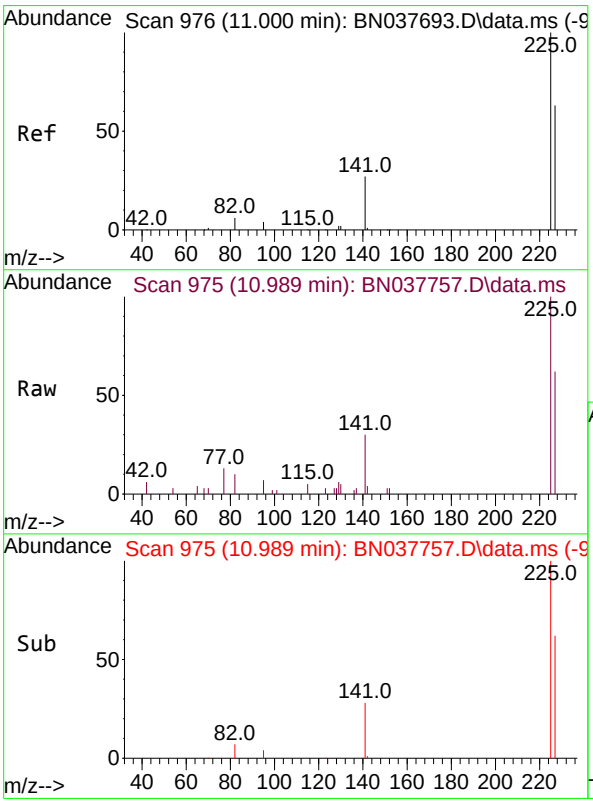
#9
Naphthalene
Concen: 0.390 ng
RT: 10.690 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN037757.D
Acq: 17 Sep 2025 21:50

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:128 Resp: 18989

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.1	13.7
127	13.3	10.9	16.3

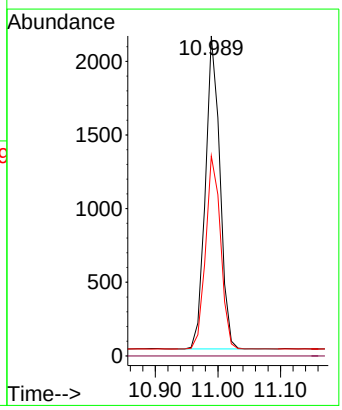


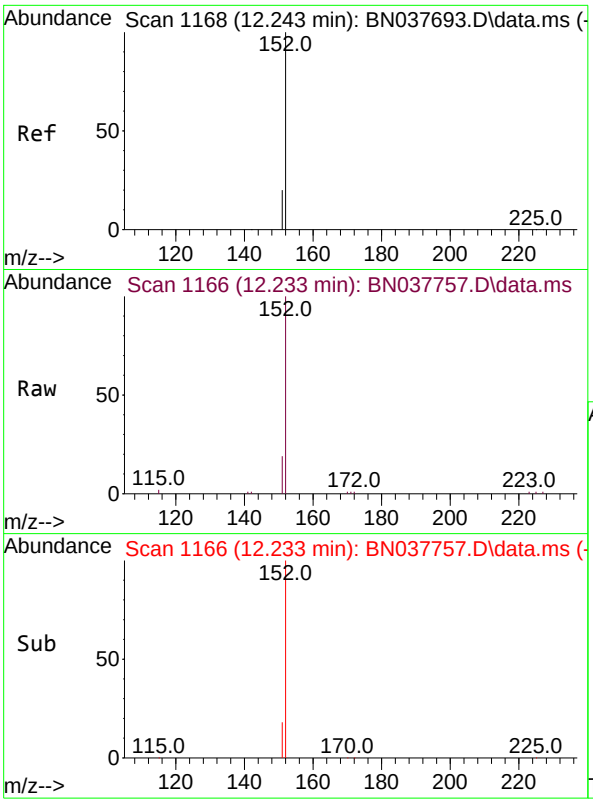


#10
Hexachlorobutadiene
Concen: 0.390 ng
RT: 10.989 min Scan# 975
Delta R.T. -0.011 min
Lab File: BN037757.D
Acq: 17 Sep 2025 21:50

Tgt Ion:225 Resp: 3435

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.7	50.9	76.3



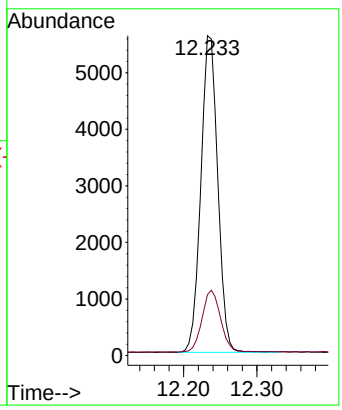


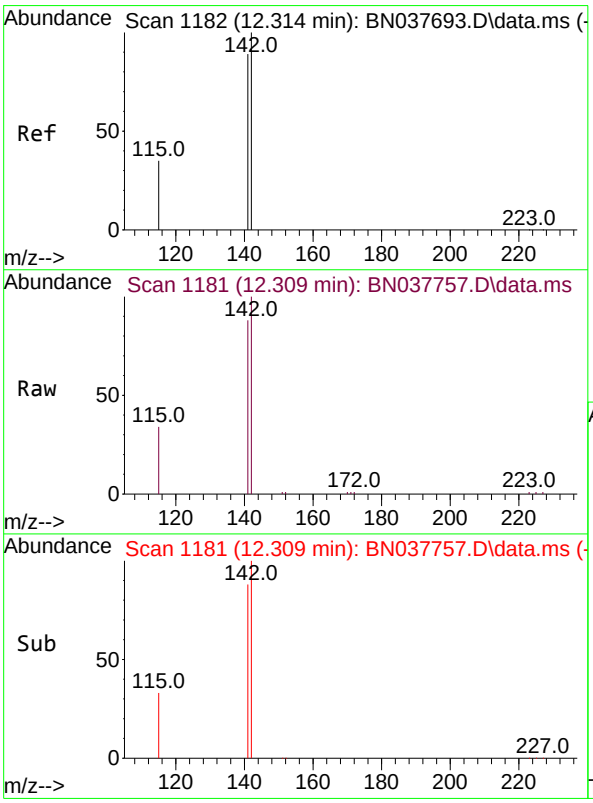
#11
2-Methylnaphthalene-d10
Concen: 0.380 ng
RT: 12.233 min Scan# 11
Delta R.T. -0.010 min
Lab File: BN037757.D
Acq: 17 Sep 2025 21:50

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 8966

Ion	Ratio	Lower	Upper
152	100		
151	21.4	17.0	25.6

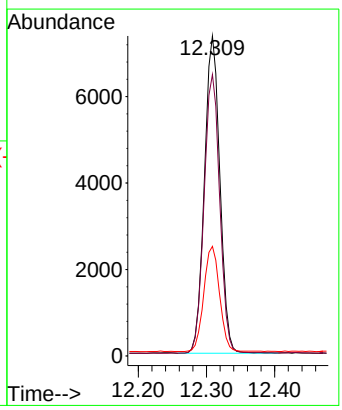


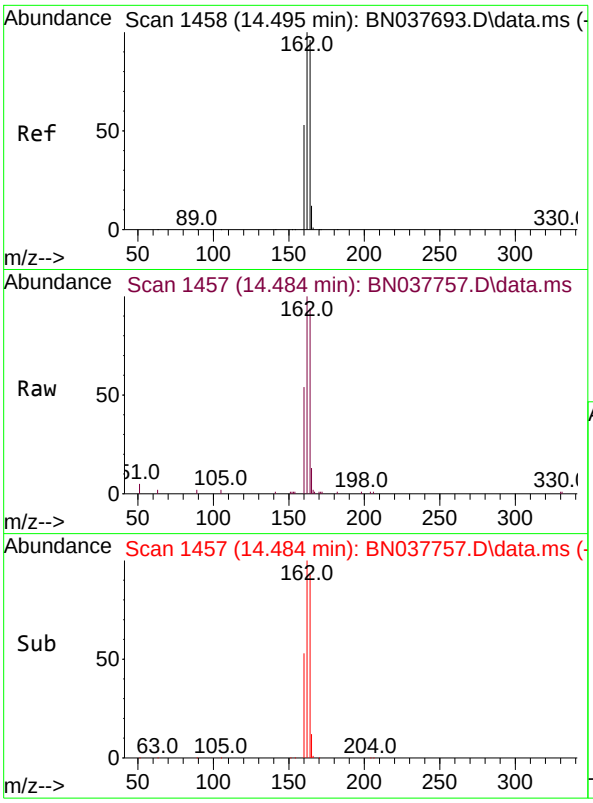


#12
2-Methylnaphthalene
Concen: 0.385 ng
RT: 12.309 min Scan# 1181
Delta R.T. -0.005 min
Lab File: BN037757.D
Acq: 17 Sep 2025 21:50

Tgt Ion:142 Resp: 11595

Ion	Ratio	Lower	Upper
142	100		
141	87.9	71.6	107.4
115	34.2	28.6	43.0



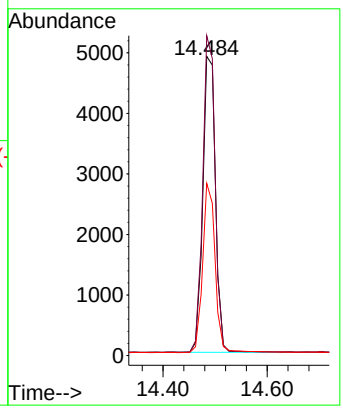


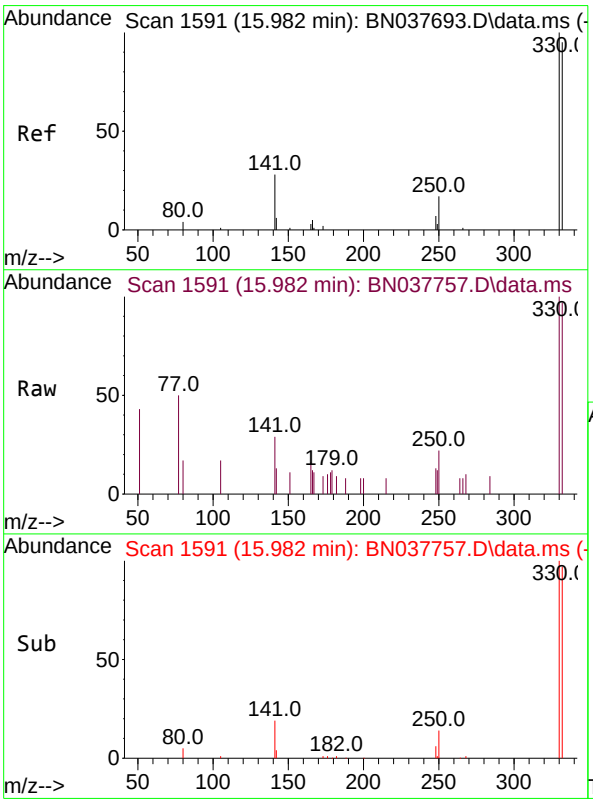
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.484 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN037757.D
Acq: 17 Sep 2025 21:50

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:164 Resp: 8255

Ion	Ratio	Lower	Upper
164	100		
162	106.9	83.1	124.7
160	57.6	44.3	66.5

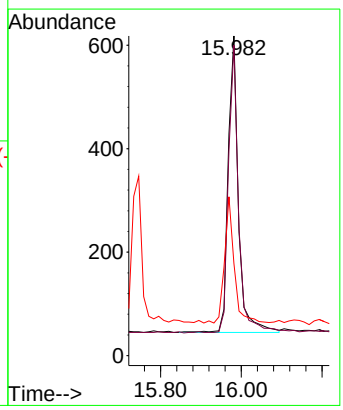


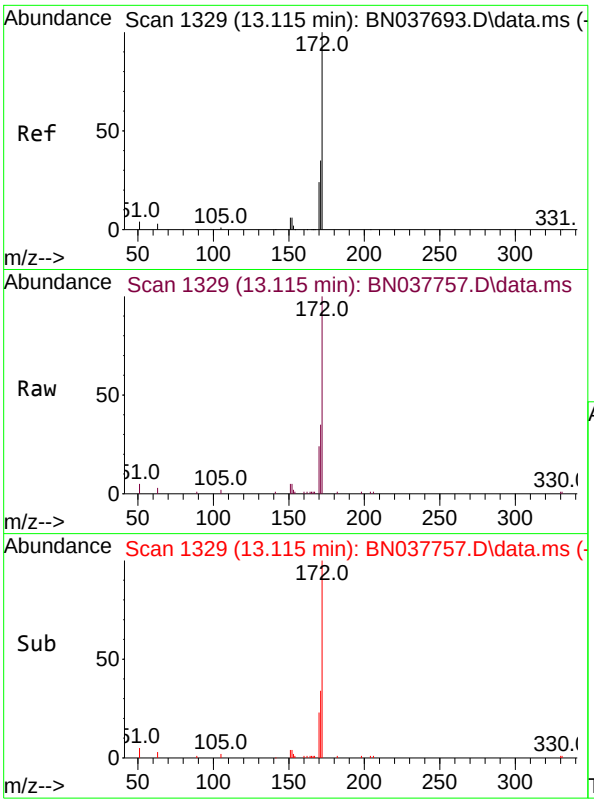


#14
2,4,6-Tribromophenol
Concen: 0.467 ng
RT: 15.982 min Scan# 1591
Delta R.T. -0.000 min
Lab File: BN037757.D
Acq: 17 Sep 2025 21:50

Tgt Ion:330 Resp: 1005

Ion	Ratio	Lower	Upper
330	100		
332	95.2	75.3	112.9
141	40.3	35.0	52.4



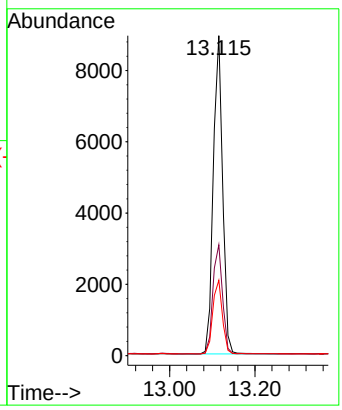


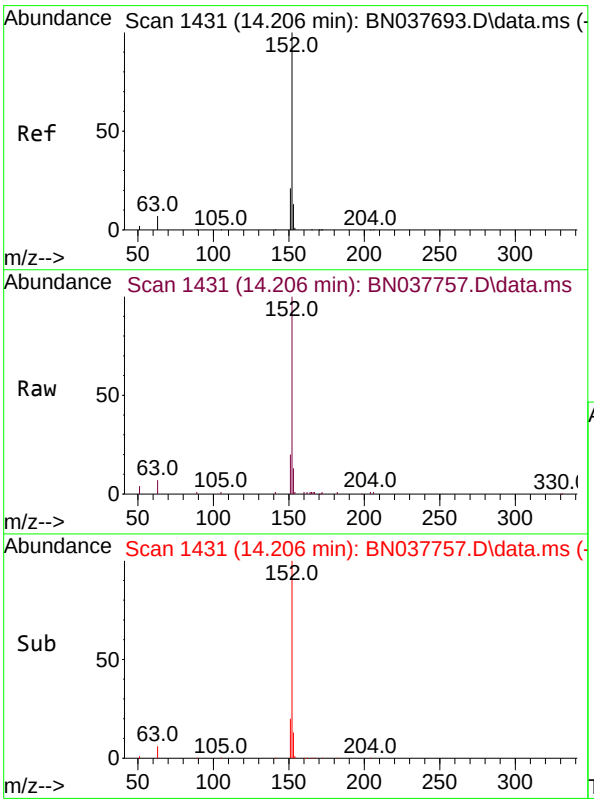
#15
2-Fluorobiphenyl
Concen: 0.394 ng
RT: 13.115 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037757.D
Acq: 17 Sep 2025 21:50

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:172 Resp: 13587

Ion	Ratio	Lower	Upper
172	100		
171	34.6	28.6	43.0
170	23.5	19.8	29.8

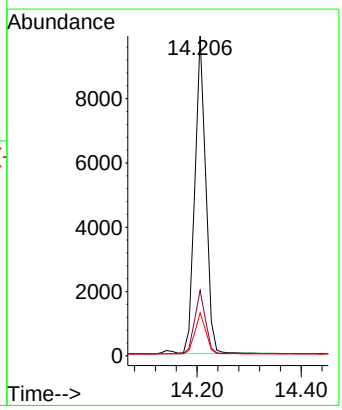


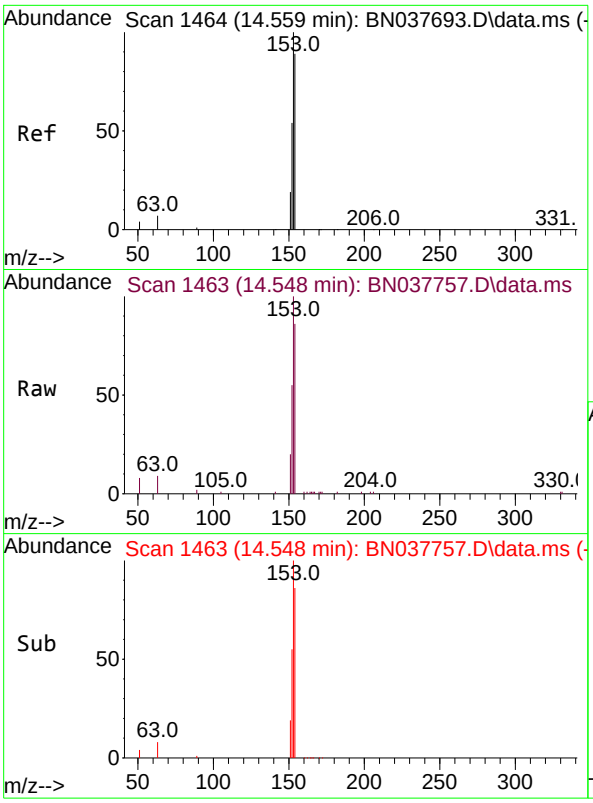


#16
Acenaphthylene
Concen: 0.378 ng
RT: 14.206 min Scan# 1431
Delta R.T. -0.000 min
Lab File: BN037757.D
Acq: 17 Sep 2025 21:50

Tgt Ion:152 Resp: 14299

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.2	24.2
153	13.2	10.4	15.6



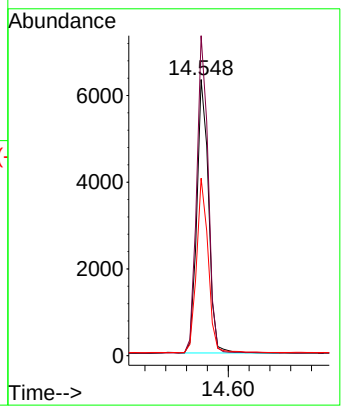


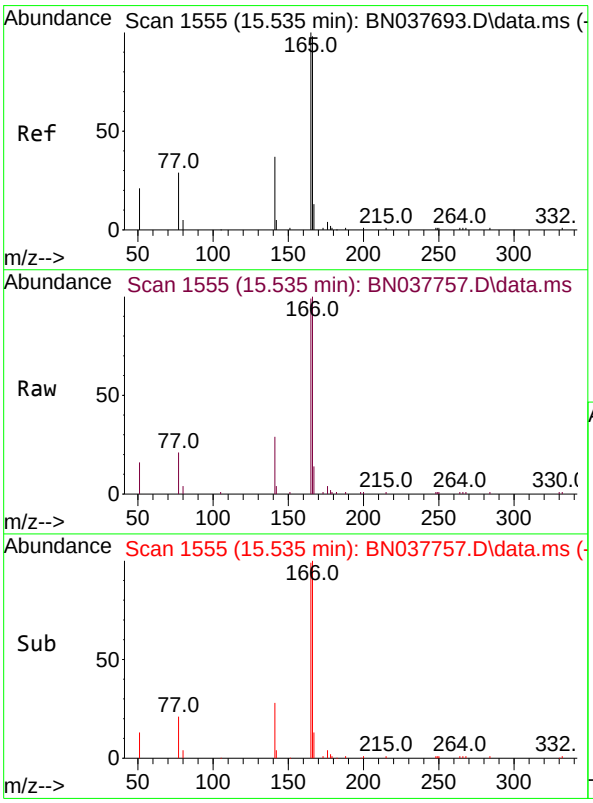
#17
Acenaphthene
Concen: 0.382 ng
RT: 14.548 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN037757.D
Acq: 17 Sep 2025 21:50

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:154 Resp: 9779

Ion	Ratio	Lower	Upper
154	100		
153	114.3	89.8	134.8
152	63.4	50.2	75.2

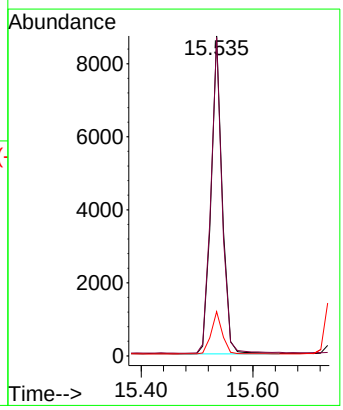


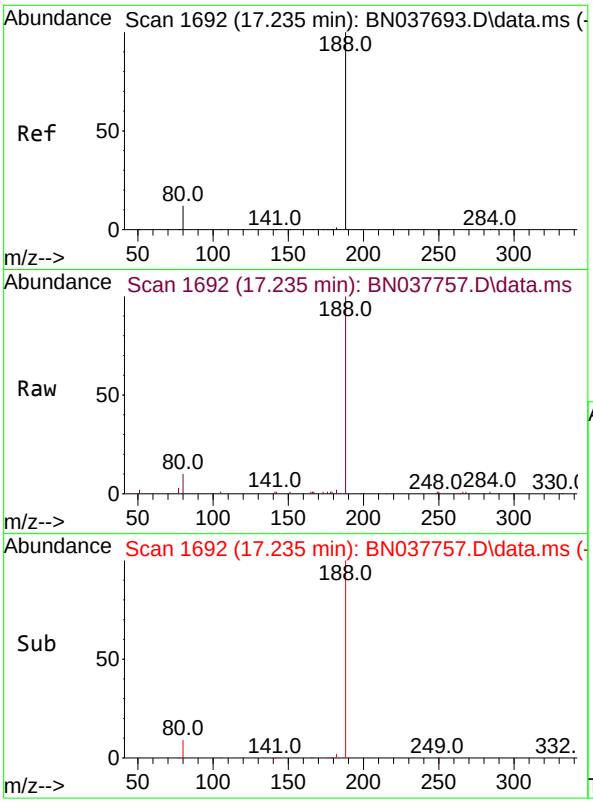


#18
Fluorene
Concen: 0.375 ng
RT: 15.535 min Scan# 1555
Delta R.T. -0.000 min
Lab File: BN037757.D
Acq: 17 Sep 2025 21:50

Tgt Ion:166 Resp: 11628

Ion	Ratio	Lower	Upper
166	100		
165	100.7	79.6	119.4
167	13.5	10.6	16.0



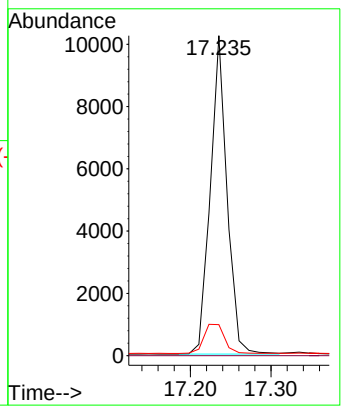


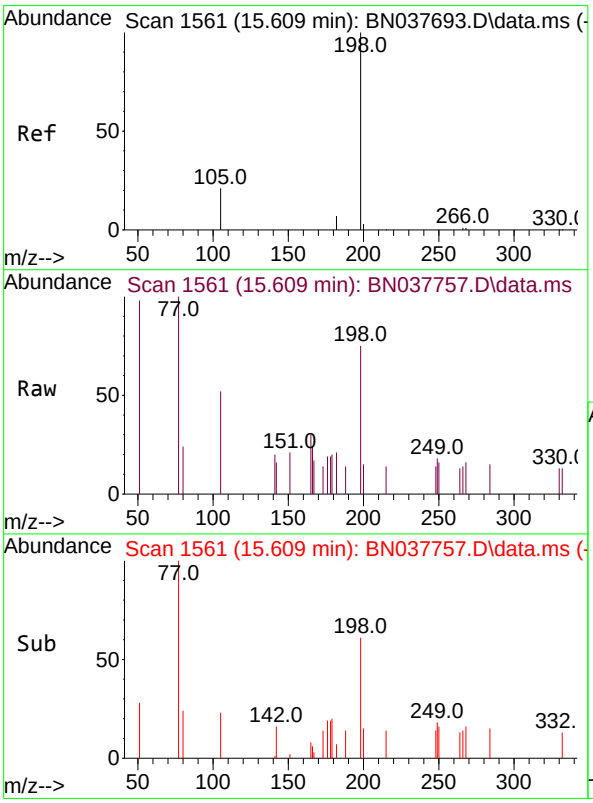
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.235 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037757.D
Acq: 17 Sep 2025 21:50

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:188 Resp: 14702

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.7	10.6	15.8#

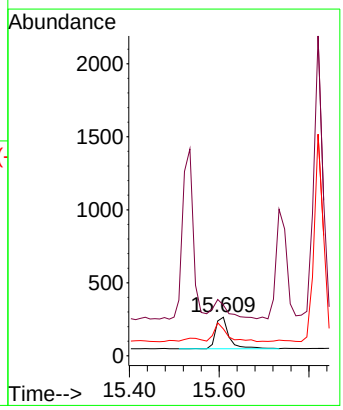


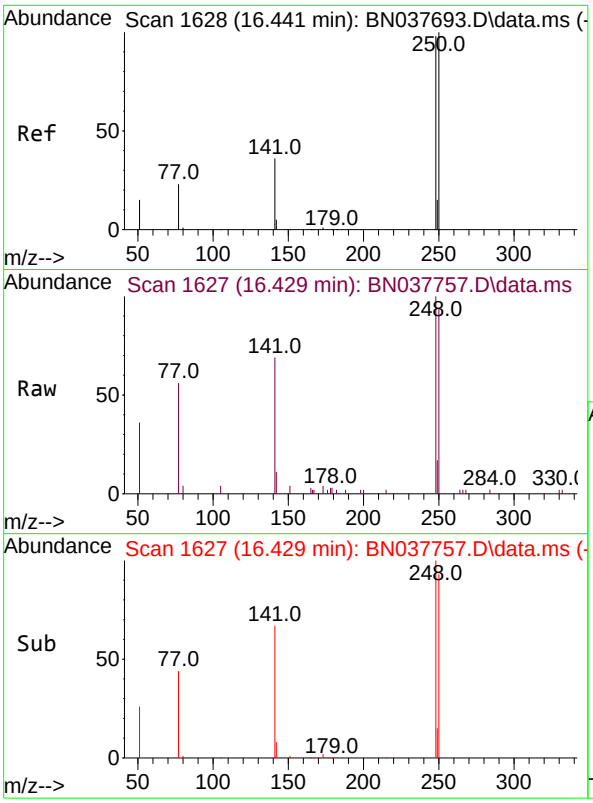


#20
4,6-Dinitro-2-methylphenol
Concen: 0.336 ng
RT: 15.609 min Scan# 1561
Delta R.T. 0.000 min
Lab File: BN037757.D
Acq: 17 Sep 2025 21:50

Tgt Ion:198 Resp: 458

Ion	Ratio	Lower	Upper
198	100		
51	131.8	95.1	142.7
105	69.7	53.8	80.6



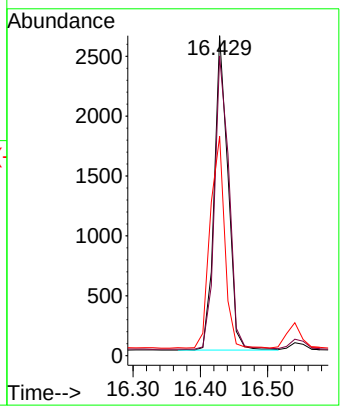


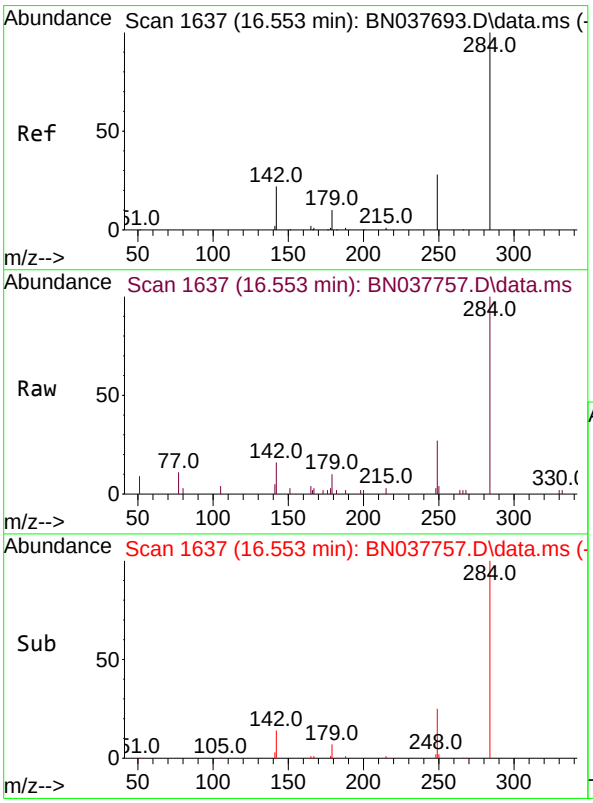
#21
4-Bromophenyl-phenylether
Concen: 0.389 ng
RT: 16.429 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037757.D
Acq: 17 Sep 2025 21:50

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:248 Resp: 3725

Ion	Ratio	Lower	Upper
248	100		
250	93.6	81.5	122.3
141	68.5	30.8	46.2#

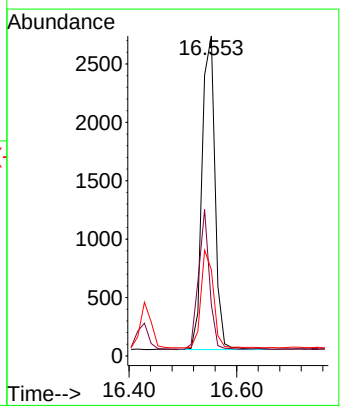


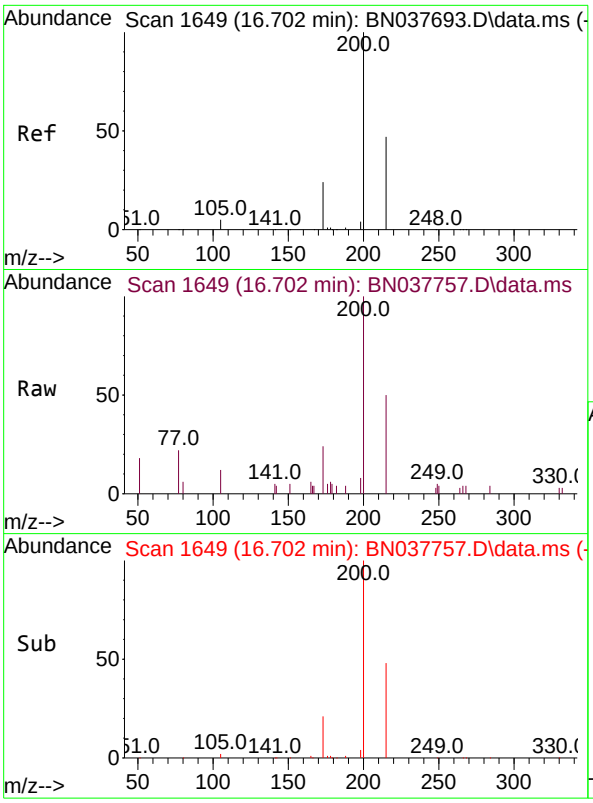


#22
Hexachlorobenzene
Concen: 0.406 ng
RT: 16.553 min Scan# 1637
Delta R.T. -0.000 min
Lab File: BN037757.D
Acq: 17 Sep 2025 21:50

Tgt Ion:284 Resp: 4478

Ion	Ratio	Lower	Upper
284	100		
142	37.5	30.9	46.3
249	29.8	24.8	37.2



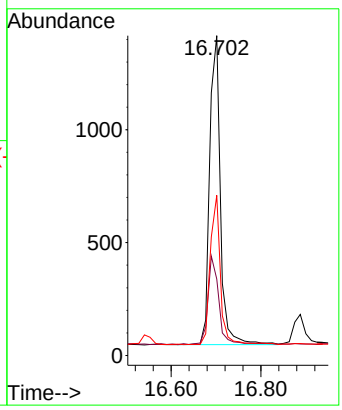


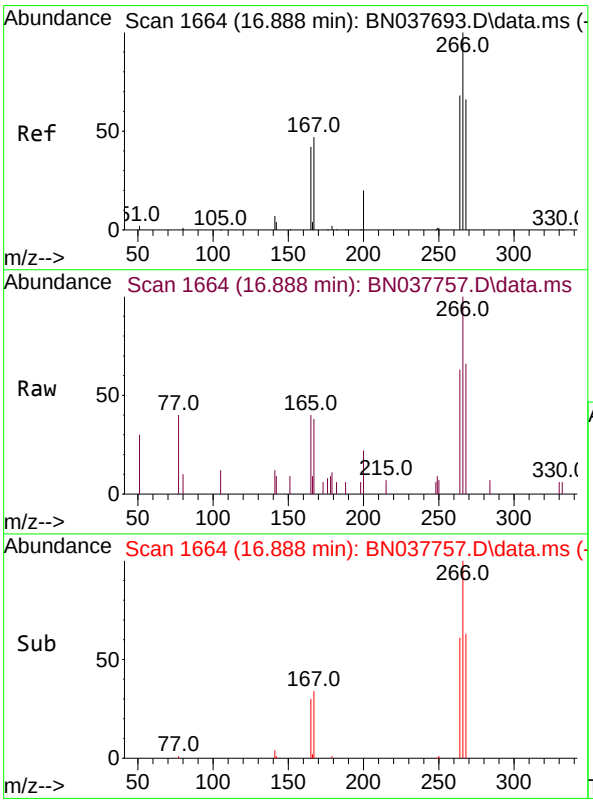
#23
Atrazine
Concen: 0.375 ng
RT: 16.702 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037757.D
Acq: 17 Sep 2025 21:50

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:200 Resp: 2285

Ion	Ratio	Lower	Upper
200	100		
173	23.9	21.4	32.2
215	50.0	39.2	58.8

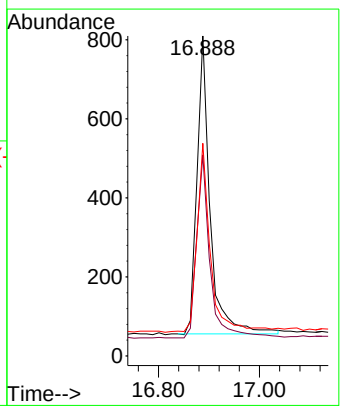


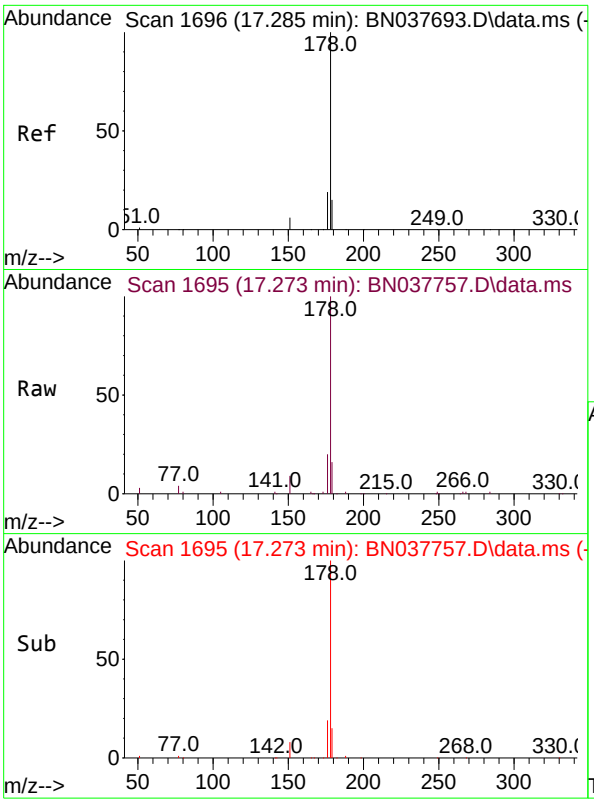


#24
Pentachlorophenol
Concen: 0.422 ng
RT: 16.888 min Scan# 1664
Delta R.T. -0.000 min
Lab File: BN037757.D
Acq: 17 Sep 2025 21:50

Tgt Ion:266 Resp: 1350

Ion	Ratio	Lower	Upper
266	100		
264	62.5	51.6	77.4
268	65.6	53.2	79.8



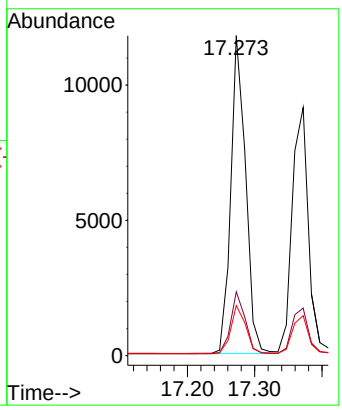


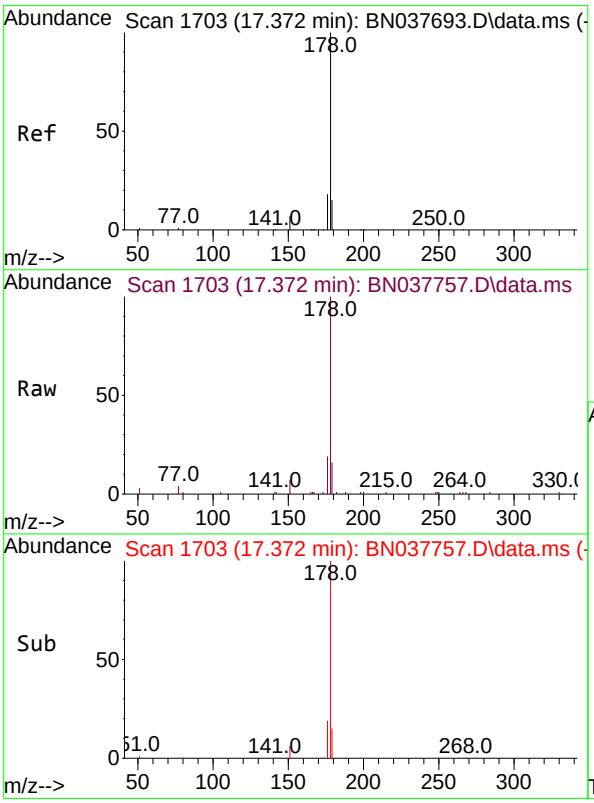
#25
Phenanthrene
Concen: 0.389 ng
RT: 17.273 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037757.D
Acq: 17 Sep 2025 21:50

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:178 Resp: 18027

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.2	12.2	18.2

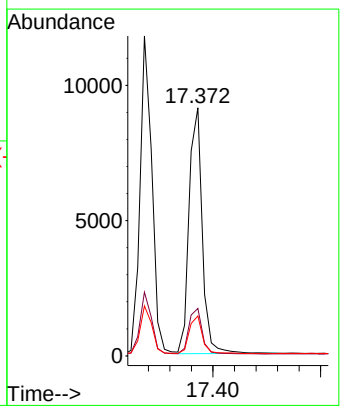


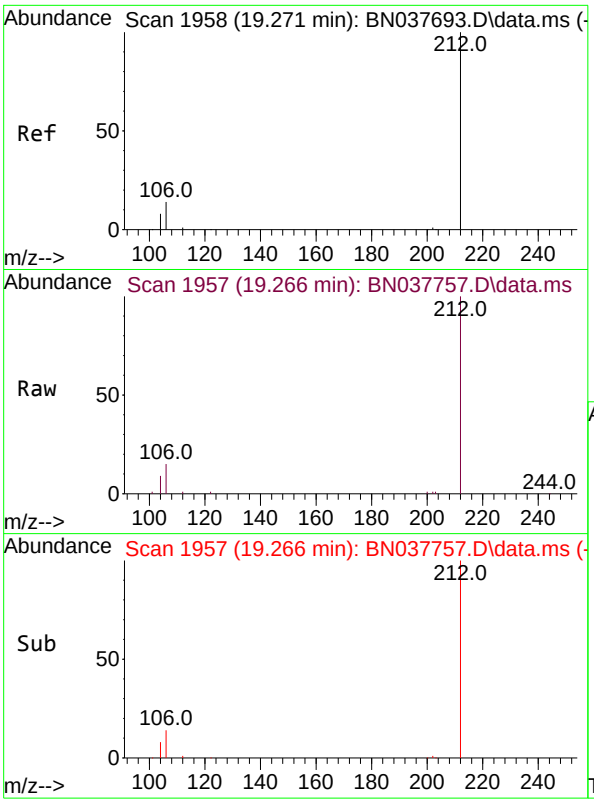


#26
Anthracene
Concen: 0.377 ng
RT: 17.372 min Scan# 1703
Delta R.T. -0.000 min
Lab File: BN037757.D
Acq: 17 Sep 2025 21:50

Tgt Ion:178 Resp: 15467

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.6	22.0
179	15.0	12.2	18.4



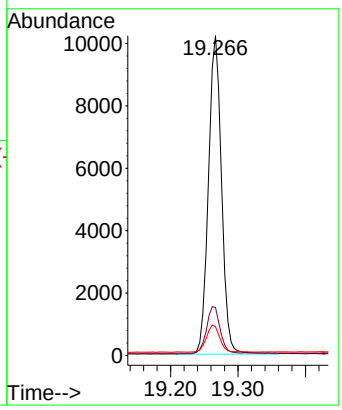


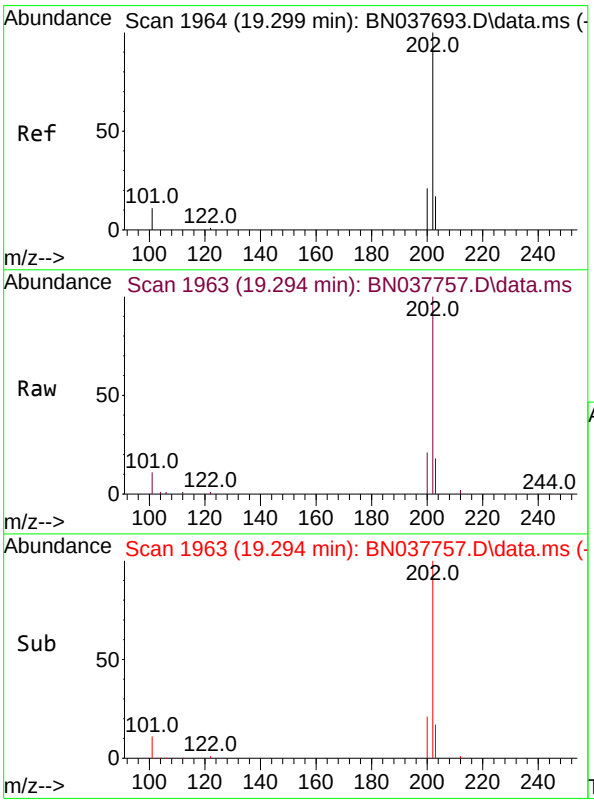
#27
Fluoranthene-d10
Concen: 0.373 ng
RT: 19.266 min Scan# 19
Delta R.T. -0.005 min
Lab File: BN037757.D
Acq: 17 Sep 2025 21:50

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:212 Resp: 13764

Ion	Ratio	Lower	Upper
212	100		
106	15.0	12.2	18.2
104	8.6	6.9	10.3

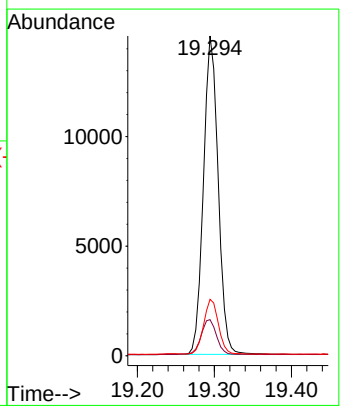


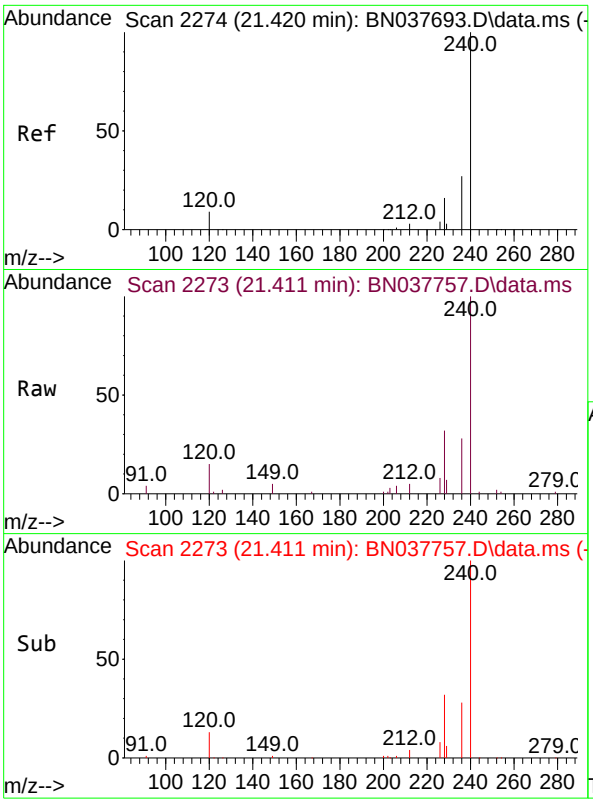


#28
Fluoranthene
Concen: 0.379 ng
RT: 19.294 min Scan# 1963
Delta R.T. -0.005 min
Lab File: BN037757.D
Acq: 17 Sep 2025 21:50

Tgt Ion:202 Resp: 19235

Ion	Ratio	Lower	Upper
202	100		
101	11.7	9.3	13.9
203	17.3	13.7	20.5



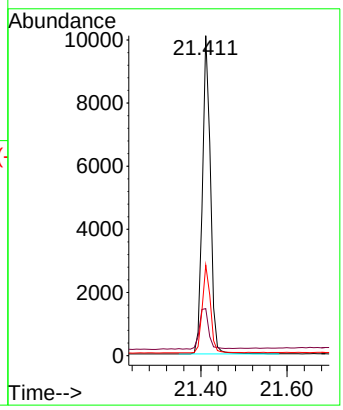


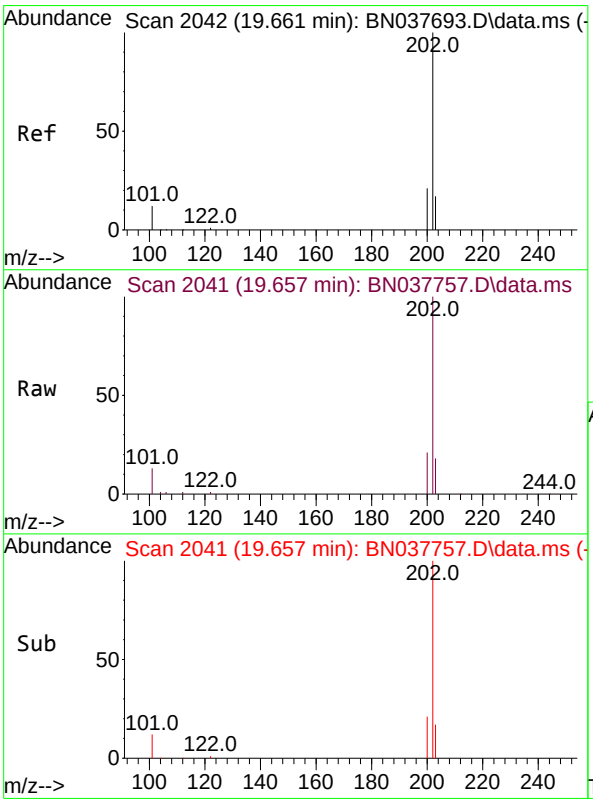
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.411 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN037757.D
Acq: 17 Sep 2025 21:50

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:240 Resp: 12983

Ion	Ratio	Lower	Upper
240	100		
120	14.7	9.2	13.8#
236	28.3	22.6	33.8

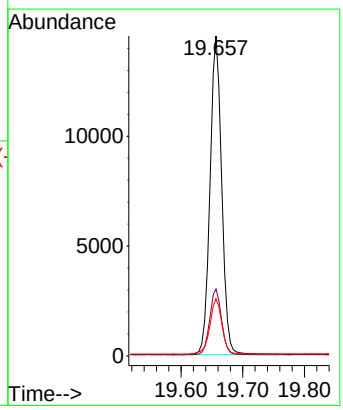


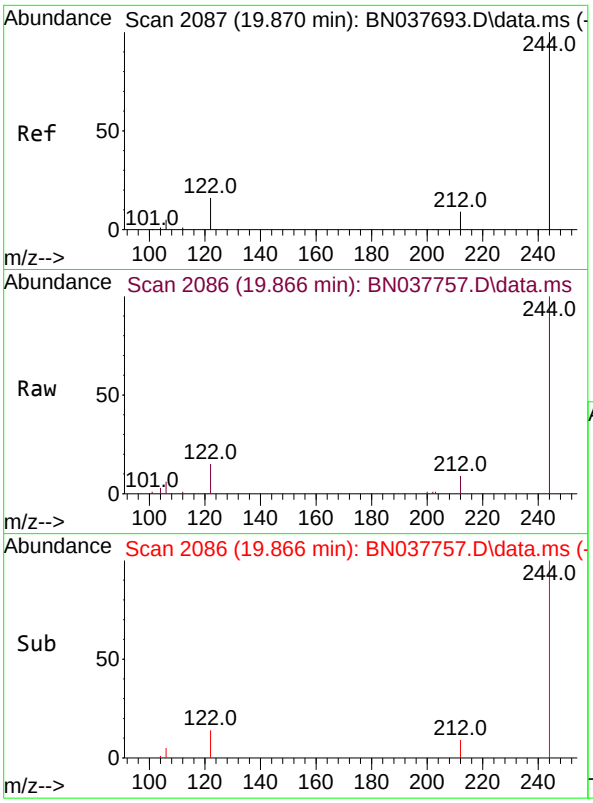


#30
Pyrene
Concen: 0.378 ng
RT: 19.657 min Scan# 2041
Delta R.T. -0.005 min
Lab File: BN037757.D
Acq: 17 Sep 2025 21:50

Tgt Ion:202 Resp: 19188

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.8	25.2
203	17.9	14.3	21.5



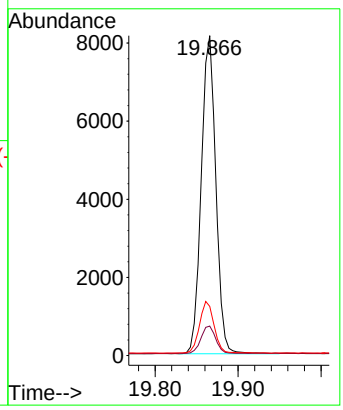


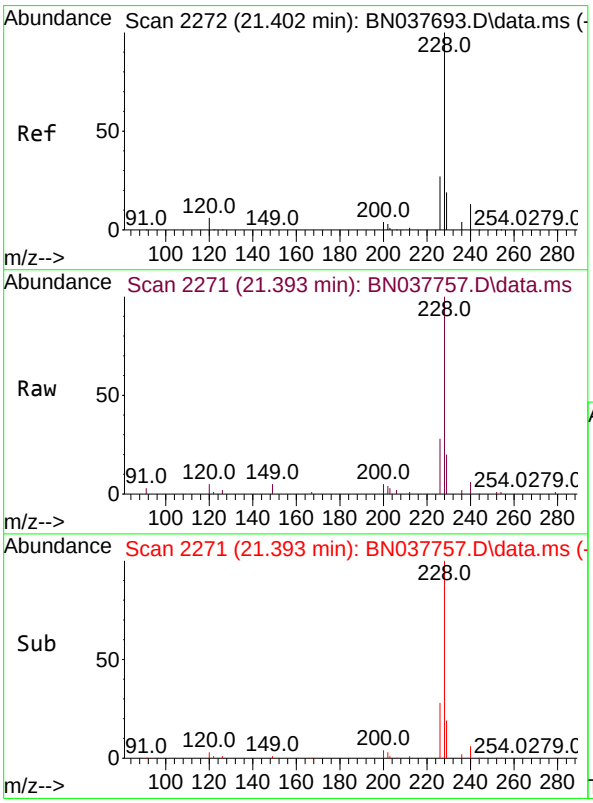
#31
Terphenyl-d14
Concen: 0.375 ng
RT: 19.866 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN037757.D
Acq: 17 Sep 2025 21:50

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:244 Resp: 9880

Ion	Ratio	Lower	Upper
244	100		
212	9.2	7.5	11.3
122	15.4	13.2	19.8

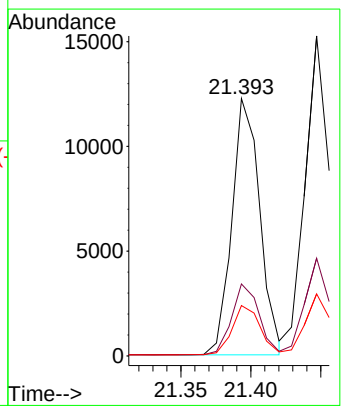


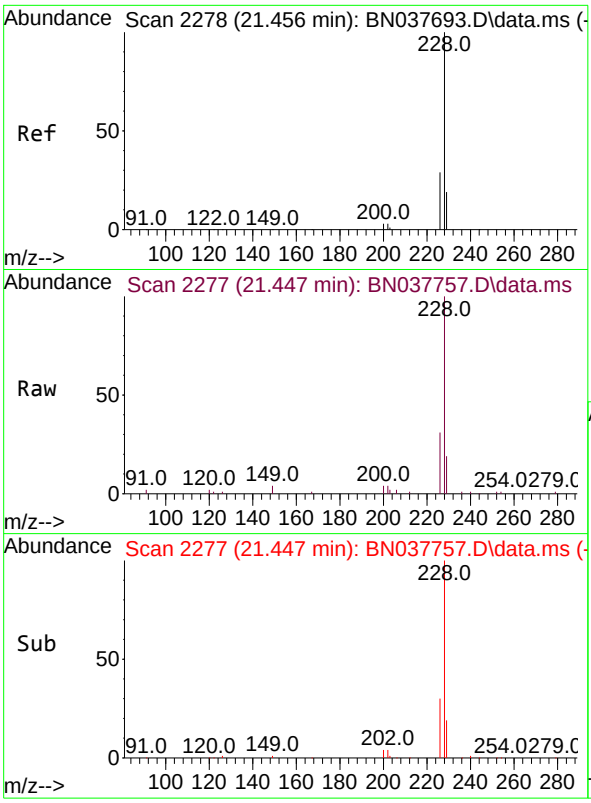


#32
Benzo(a)anthracene
Concen: 0.374 ng
RT: 21.393 min Scan# 2271
Delta R.T. -0.009 min
Lab File: BN037757.D
Acq: 17 Sep 2025 21:50

Tgt Ion:228 Resp: 16951

Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.2	33.2
229	19.6	15.8	23.6



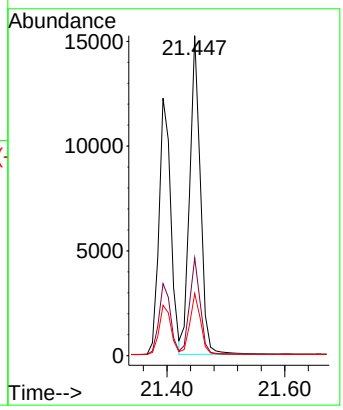


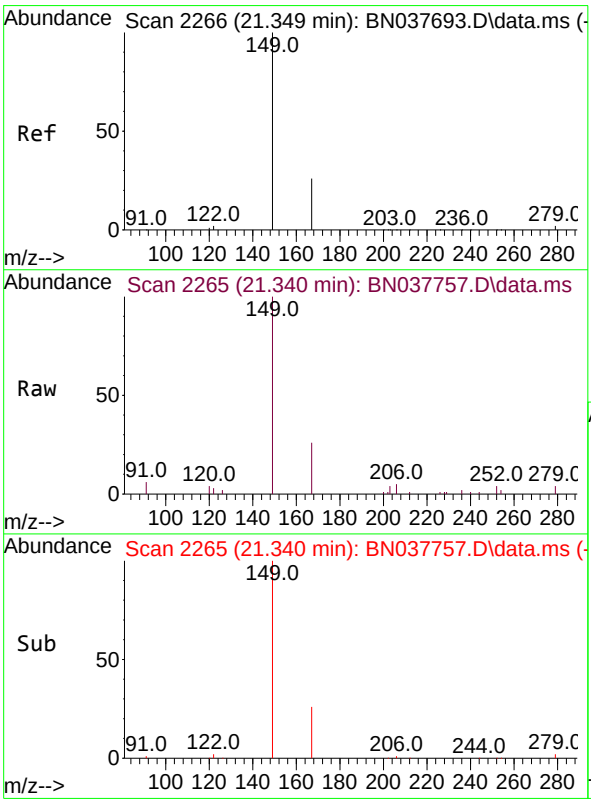
#33
Chrysene
Concen: 0.395 ng
RT: 21.447 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037757.D
Acq: 17 Sep 2025 21:50

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:228 Resp: 19181

Ion	Ratio	Lower	Upper
228	100		
226	30.5	23.5	35.3
229	19.4	15.9	23.9

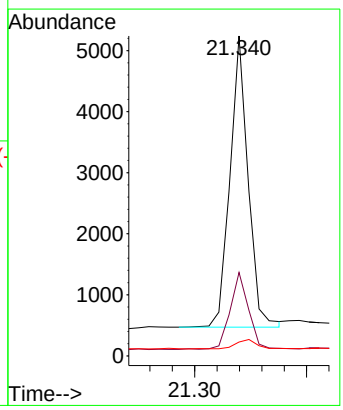


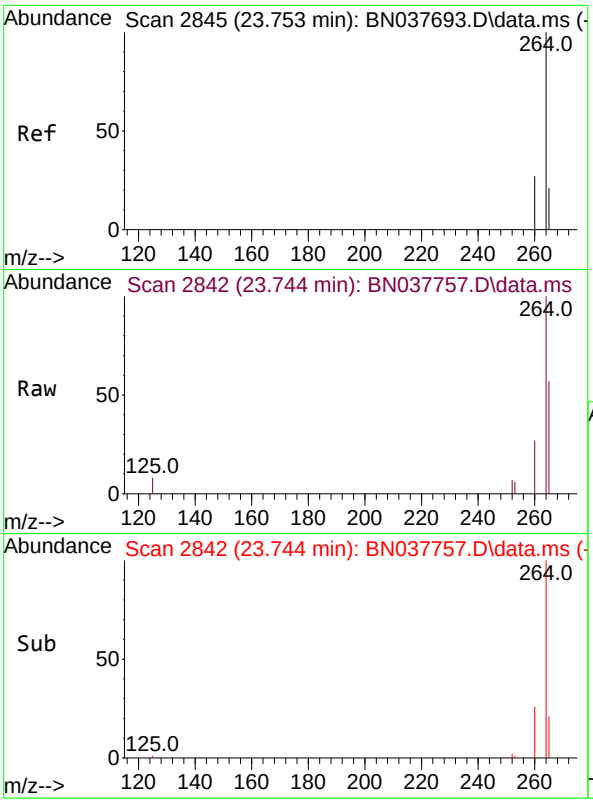


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.399 ng
RT: 21.340 min Scan# 2265
Delta R.T. -0.009 min
Lab File: BN037757.D
Acq: 17 Sep 2025 21:50

Tgt Ion:149 Resp: 5358

Ion	Ratio	Lower	Upper
149	100		
167	26.8	20.8	31.2
279	3.9	3.3	4.9



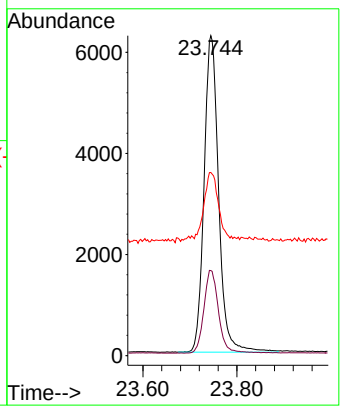


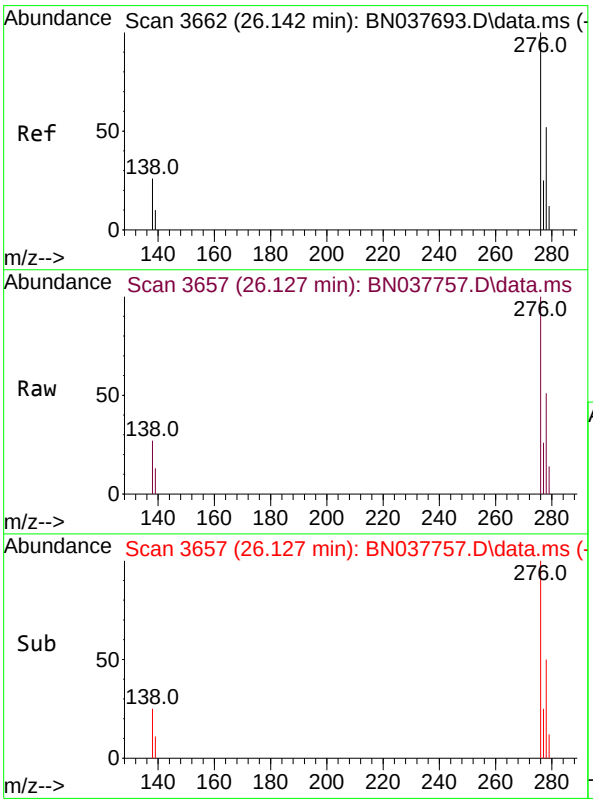
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.744 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037757.D
Acq: 17 Sep 2025 21:50

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:264 Resp: 13482

Ion	Ratio	Lower	Upper
264	100		
260	26.6	21.8	32.8
265	57.2	39.4	59.2

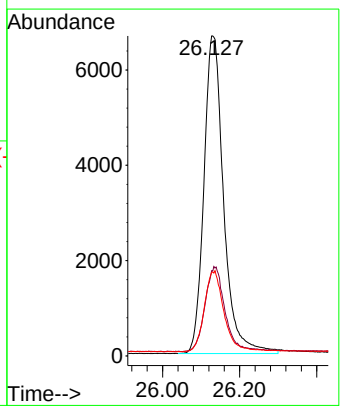


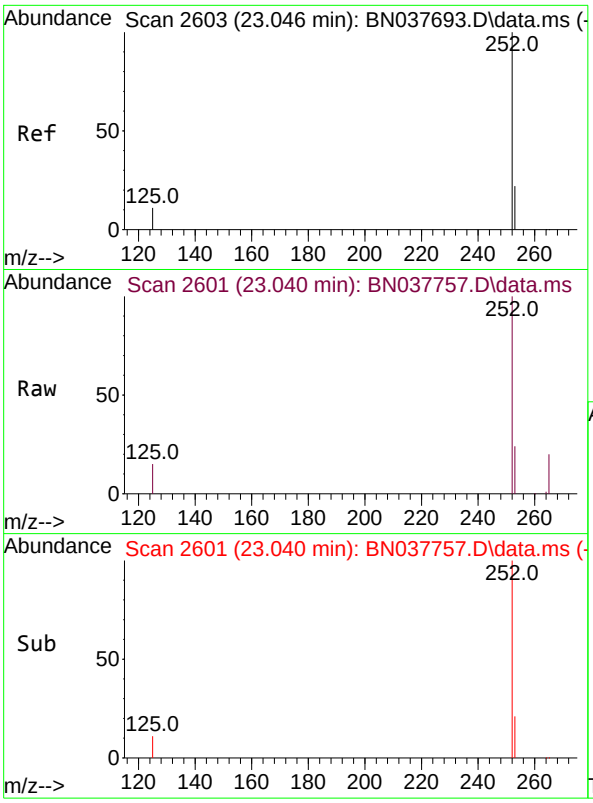


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.420 ng
RT: 26.127 min Scan# 3657
Delta R.T. -0.015 min
Lab File: BN037757.D
Acq: 17 Sep 2025 21:50

Tgt Ion:276 Resp: 23784

Ion	Ratio	Lower	Upper
276	100		
138	27.2	21.9	32.9
277	25.4	20.1	30.1



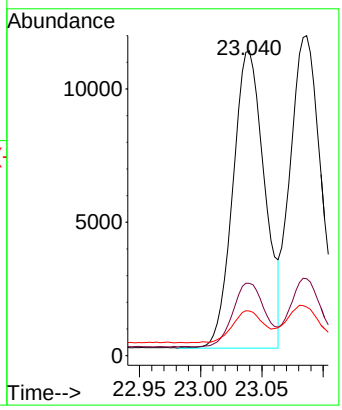


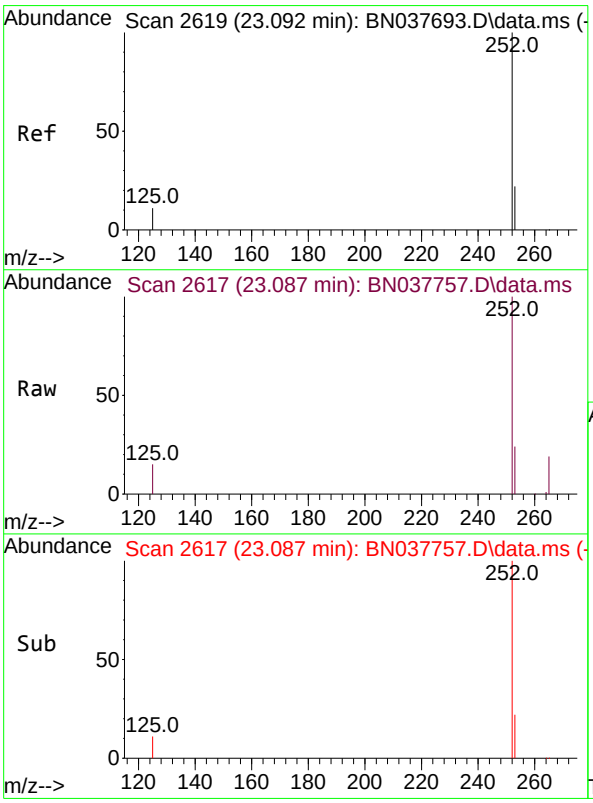
#37
Benzo(b)fluoranthene
Concen: 0.378 ng
RT: 23.040 min Scan# 2
Delta R.T. -0.006 min
Lab File: BN037757.D
Acq: 17 Sep 2025 21:50

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 20070

Ion	Ratio	Lower	Upper
252	100		
253	23.7	19.4	29.2
125	14.6	11.2	16.8

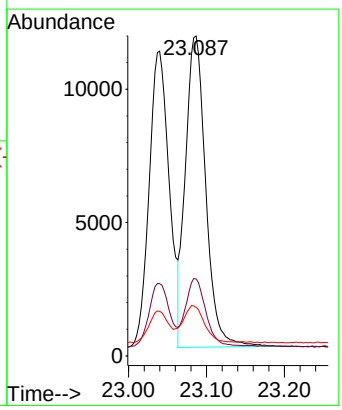


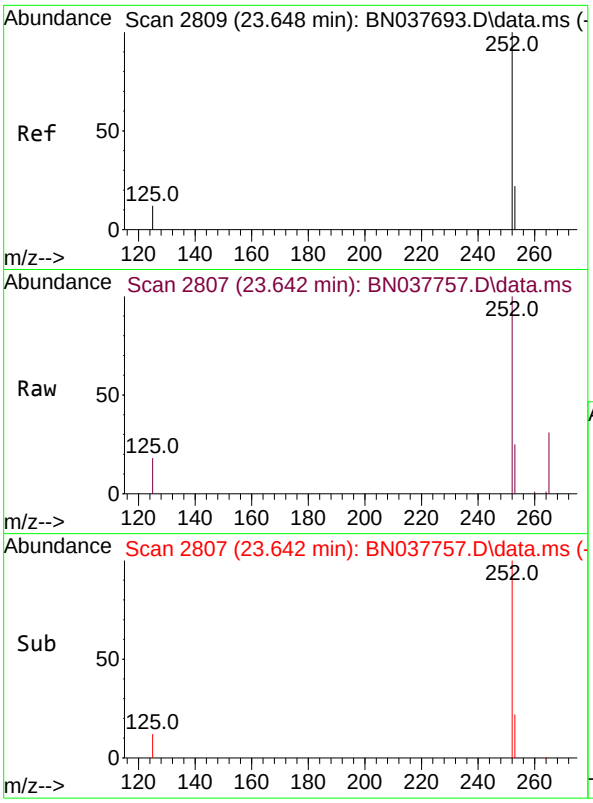


#38
Benzo(k)fluoranthene
Concen: 0.391 ng
RT: 23.087 min Scan# 2617
Delta R.T. -0.006 min
Lab File: BN037757.D
Acq: 17 Sep 2025 21:50

Tgt Ion:252 Resp: 21141

Ion	Ratio	Lower	Upper
252	100		
253	24.0	19.4	29.0
125	15.2	11.6	17.4



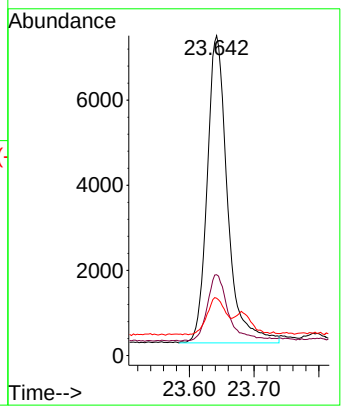


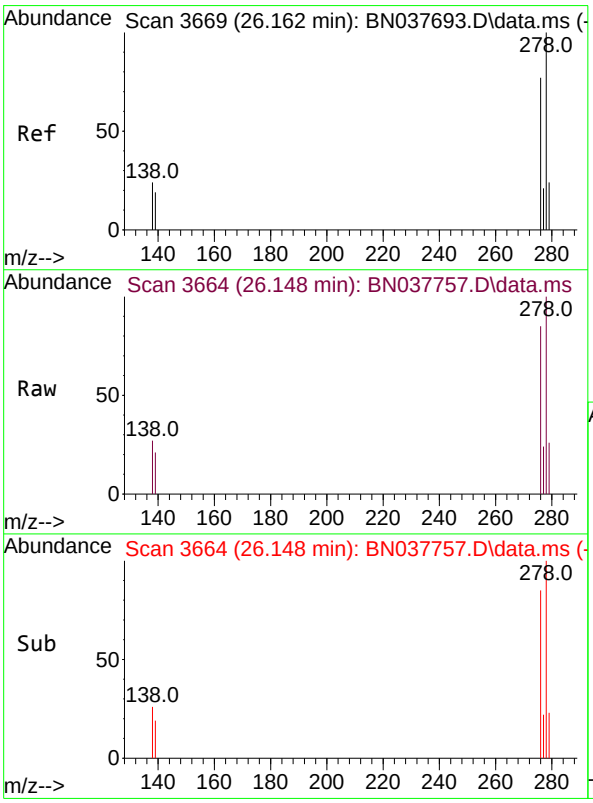
#39
Benzo(a)pyrene
Concen: 0.372 ng
RT: 23.642 min Scan# 28
Delta R.T. -0.006 min
Lab File: BN037757.D
Acq: 17 Sep 2025 21:50

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 15798

Ion	Ratio	Lower	Upper
252	100		
253	25.3	20.8	31.2
125	17.9	13.9	20.9

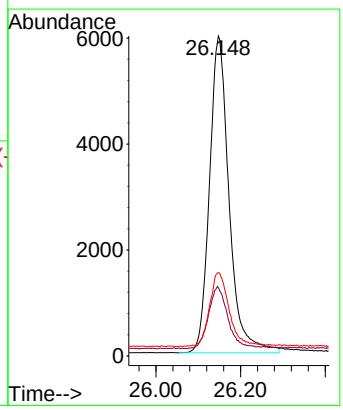


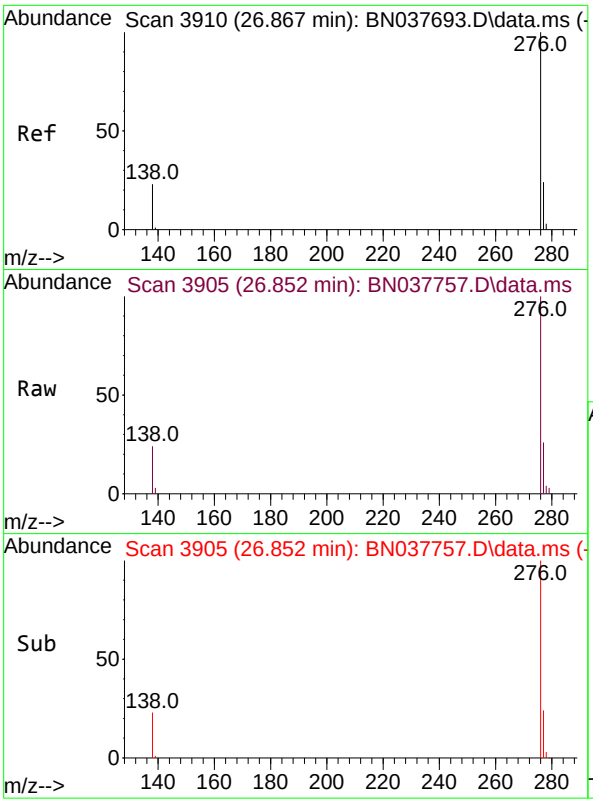


#40
Dibenzo(a,h)anthracene
Concen: 0.425 ng
RT: 26.148 min Scan# 3664
Delta R.T. -0.015 min
Lab File: BN037757.D
Acq: 17 Sep 2025 21:50

Tgt Ion:278 Resp: 19232

Ion	Ratio	Lower	Upper
278	100		
139	21.3	17.8	26.6
279	26.0	22.0	33.0



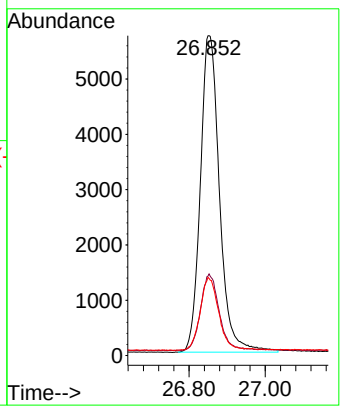


#41
Benzo(g,h,i)perylene
Concen: 0.395 ng
RT: 26.852 min Scan# 3
Delta R.T. -0.015 min
Lab File: BN037757.D
Acq: 17 Sep 2025 21:50

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 20047

Ion	Ratio	Lower	Upper
276	100		
277	25.5	20.6	31.0
138	24.1	20.2	30.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091725\
Data File : BN037757.D
Acq On : 17 Sep 2025 21:50
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Quant Time: Sep 18 05:02:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	133	0.00
2		1,4-Dioxane	0.417	0.432	-3.6	136	0.00
3		n-Nitrosodimethylamine	0.544	0.523	3.9	123	0.00
4	S	2-Fluorophenol	0.918	0.971	-5.8	145	0.00
5	S	Phenol-d6	1.191	1.159	2.7	133	0.00
6		bis(2-Chloroethyl)ether	1.064	1.050	1.3	130	0.00
7	I	Naphthalene-d8	1.000	1.000	0.0	134	-0.01
8	S	Nitrobenzene-d5	0.293	0.283	3.4	134	-0.01
9		Naphthalene	1.093	1.066	2.5	133	0.00
10		Hexachlorobutadiene	0.198	0.193	2.5	131	-0.01
11	SURR	2-Methylnaphthalene-d10	0.530	0.503	5.1	136	-0.01
12		2-Methylnaphthalene	0.676	0.651	3.7	133	0.00
13	I	Acenaphthene-d10	1.000	1.000	0.0	133	-0.01
14	S	2,4,6-Tribromophenol	0.104	0.122	-17.3	161#	0.00
15	S	2-Fluorobiphenyl	1.673	1.646	1.6	133	0.00
16		Acenaphthylene	1.834	1.732	5.6	129	0.00
17		Acenaphthene	1.240	1.185	4.4	130	-0.01
18		Fluorene	1.502	1.409	6.2	130	0.00
19	I	Phenanthrene-d10	1.000	1.000	0.0	131	0.00
20		4,6-Dinitro-2-methylphenol	0.037	0.031	16.2	123	0.00
21		4-Bromophenyl-phenylether	0.261	0.253	3.1	132	-0.01
22		Hexachlorobenzene	0.300	0.305	-1.7	135	0.00
23		Atrazine	0.166	0.155	6.6	134	0.00
24		Pentachlorophenol	0.087	0.092	-5.7	161#	0.00
25		Phenanthrene	1.259	1.226	2.6	131	-0.01
26		Anthracene	1.116	1.052	5.7	128	0.00
27	SURR	Fluoranthene-d10	1.004	0.936	6.8	131	0.00
28		Fluoranthene	1.381	1.308	5.3	130	0.00
29	I	Chrysene-d12	1.000	1.000	0.0	139	0.00
30		Pyrene	1.566	1.478	5.6	132	0.00
31	S	Terphenyl-d14	0.812	0.761	6.3	132	0.00
32		Benzo(a)anthracene	1.395	1.306	6.4	134	0.00
33		Chrysene	1.496	1.477	1.3	137	0.00
34		Bis(2-ethylhexyl)phthalate	0.414	0.413	0.2	152#	0.00
35	I	Perylene-d12	1.000	1.000	0.0	150#	0.00
36		Indeno(1,2,3-cd)pyrene	1.681	1.764	-4.9	172#	-0.01
37		Benzo(b)fluoranthene	1.575	1.489	5.5	144	0.00
38		Benzo(k)fluoranthene	1.606	1.568	2.4	155#	0.00
39	C	Benzo(a)pyrene	1.261	1.172	7.1	147	0.00
40		Dibenzo(a,h)anthracene	1.342	1.426	-6.3	177#	-0.01
41		Benzo(g,h,i)perylene	1.506	1.487	1.3	154#	-0.01

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091725\
Data File : BN037757.D
Acq On : 17 Sep 2025 21:50
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Quant Time: Sep 18 05:02:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	0.400	0.400	0.0	133	0.00
2		1,4-Dioxane	0.400	0.414	-3.5	136	0.00
3		n-Nitrosodimethylamine	0.400	0.384	4.0	123	0.00
4	S	2-Fluorophenol	0.400	0.423	-5.7	145	0.00
5	S	Phenol-d6	0.400	0.389	2.8	133	0.00
6		bis(2-Chloroethyl)ether	0.400	0.395	1.3	130	0.00
7	I	Naphthalene-d8	0.400	0.400	0.0	134	-0.01
8	S	Nitrobenzene-d5	0.400	0.386	3.5	134	-0.01
9		Naphthalene	0.400	0.390	2.5	133	0.00
10		Hexachlorobutadiene	0.400	0.390	2.5	131	-0.01
11	SURR	2-Methylnaphthalene-d10	0.400	0.380	5.0	136	-0.01
12		2-Methylnaphthalene	0.400	0.385	3.8	133	0.00
13	I	Acenaphthene-d10	0.400	0.400	0.0	133	-0.01
14	S	2,4,6-Tribromophenol	0.400	0.467	-16.8	161	0.00
15	S	2-Fluorobiphenyl	0.400	0.394	1.5	133	0.00
16		Acenaphthylene	0.400	0.378	5.5	129	0.00
17		Acenaphthene	0.400	0.382	4.5	130	-0.01
18		Fluorene	0.400	0.375	6.3	130	0.00
19	I	Phenanthrene-d10	0.400	0.400	0.0	131	0.00
20		4,6-Dinitro-2-methylphenol	0.400	0.336	16.0	123	0.00
21		4-Bromophenyl-phenylether	0.400	0.389	2.8	132	-0.01
22		Hexachlorobenzene	0.400	0.406	-1.5	135	0.00
23		Atrazine	0.400	0.375	6.3	134	0.00
24		Pentachlorophenol	0.400	0.422	-5.5	161	0.00
25		Phenanthrene	0.400	0.389	2.8	131	-0.01
26		Anthracene	0.400	0.377	5.8	128	0.00
27	SURR	Fluoranthene-d10	0.400	0.373	6.8	131	0.00
28		Fluoranthene	0.400	0.379	5.3	130	0.00
29	I	Chrysene-d12	0.400	0.400	0.0	139	0.00
30		Pyrene	0.400	0.378	5.5	132	0.00
31	S	Terphenyl-d14	0.400	0.375	6.3	132	0.00
32		Benzo(a)anthracene	0.400	0.374	6.5	134	0.00
33		Chrysene	0.400	0.395	1.3	137	0.00
34		Bis(2-ethylhexyl)phthalate	0.400	0.399	0.3	152	0.00
35	I	Perylene-d12	0.400	0.400	0.0	150	0.00
36		Indeno(1,2,3-cd)pyrene	0.400	0.420	-5.0	172	-0.01
37		Benzo(b)fluoranthene	0.400	0.378	5.5	144	0.00
38		Benzo(k)fluoranthene	0.400	0.391	2.3	155	0.00
39	C	Benzo(a)pyrene	0.400	0.372	7.0	147	0.00
40		Dibenzo(a,h)anthracene	0.400	0.425	-6.2	177	-0.01
41		Benzo(g,h,i)perylene	0.400	0.395	1.3	154	-0.01

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

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO15

Lab Code: ACE SDG No.: Q3095

Instrument ID: BNA_N Calibration Date/Time: 09/18/2025 02:46

Lab File ID: BN037759.D Init. Calib. Date(s): 09/11/2025 09/11/2025

EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 09:56 13:33

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.530	0.511		-3.6	20.0
Fluoranthene-d10	1.004	0.949		-5.5	20.0
2-Fluorophenol	0.918	0.939		2.3	20.0
Phenol-d6	1.191	1.179		-1.0	20.0
Nitrobenzene-d5	0.293	0.286		-2.4	20.0
2-Fluorobiphenyl	1.673	1.646		-1.6	20.0
2,4,6-Tribromophenol	0.104	0.120		15.4	20.0
Terphenyl-d14	0.812	0.735		-9.5	20.0
1,4-Dioxane	0.417	0.432		3.6	20.0

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091725\
Data File : BN037759.D
Acq On : 18 Sep 2025 02:46
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Sep 18 05:02:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

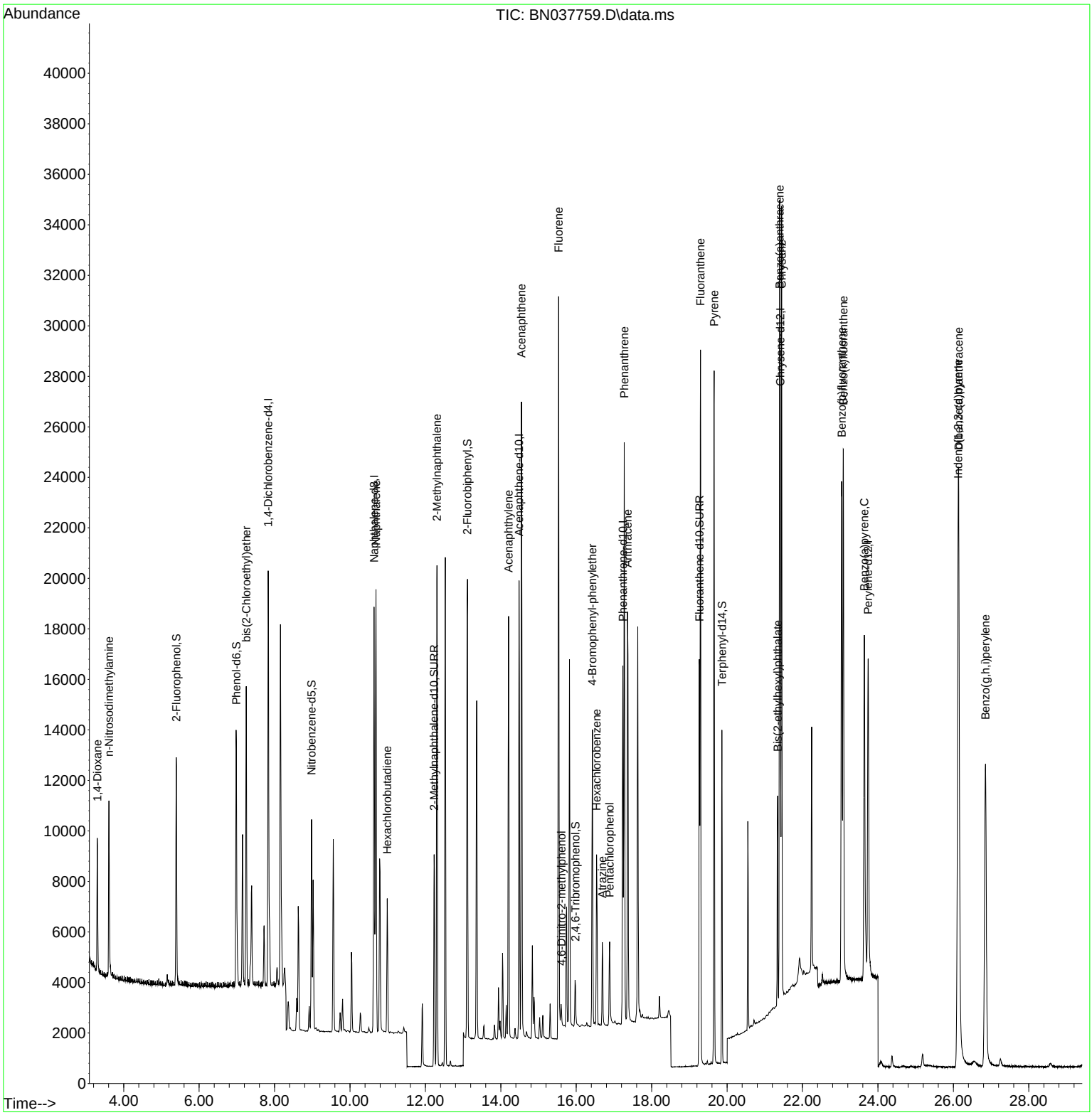
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.833	152	8012	0.400	ng		0.00
7) Naphthalene-d8	10.637	136	21664	0.400	ng		-0.01
13) Acenaphthene-d10	14.484	164	10192	0.400	ng		-0.01
19) Phenanthrene-d10	17.235	188	18613	0.400	ng		# 0.00
29) Chrysene-d12	21.411	240	16797	0.400	ng		0.00
35) Perylene-d12	23.741	264	18043	0.400	ng		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.399	112	7521	0.409	ng		0.00
5) Phenol-d6	6.988	99	9450	0.396	ng		0.00
8) Nitrobenzene-d5	8.982	82	6195	0.391	ng		-0.01
11) 2-Methylnaphthalene-d10	12.233	152	11065	0.386	ng		-0.01
14) 2,4,6-Tribromophenol	15.982	330	1222	0.460	ng		0.00
15) 2-Fluorobiphenyl	13.115	172	16772	0.393	ng		0.00
27) Fluoranthene-d10	19.267	212	17669	0.378	ng		0.00
31) Terphenyl-d14	19.861	244	12341	0.362	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.304	88	3460	0.415	ng		95
3) n-Nitrosodimethylamine	3.608	42	4100	0.376	ng		91
6) bis(2-Chloroethyl)ether	7.248	93	8459	0.397	ng		99
9) Naphthalene	10.690	128	23012	0.389	ng		99
10) Hexachlorobutadiene	10.989	225	4127	0.385	ng	#	99
12) 2-Methylnaphthalene	12.309	142	14242	0.389	ng		98
16) Acenaphthylene	14.206	152	17762	0.380	ng		99
17) Acenaphthene	14.548	154	12273	0.388	ng		99
18) Fluorene	15.535	166	14482	0.378	ng		99
20) 4,6-Dinitro-2-methylph...	15.609	198	576	0.334	ng		95
21) 4-Bromophenyl-phenylether	16.429	248	4671	0.385	ng	#	84
22) Hexachlorobenzene	16.540	284	5435	0.389	ng		99
23) Atrazine	16.689	200	2899	0.375	ng	#	92
24) Pentachlorophenol	16.888	266	1908	0.471	ng		98
25) Phenanthrene	17.273	178	22675	0.387	ng		100
26) Anthracene	17.360	178	19975	0.385	ng		99
28) Fluoranthene	19.294	202	24904	0.387	ng		99
30) Pyrene	19.657	202	24982	0.380	ng		100
32) Benzo(a)anthracene	21.393	228	22983	0.392	ng		100
33) Chrysene	21.447	228	24936	0.397	ng		99
34) Bis(2-ethylhexyl)phtha...	21.340	149	7755	0.446	ng		99
36) Indeno(1,2,3-cd)pyrene	26.124	276	32683	0.431	ng		99
37) Benzo(b)fluoranthene	23.037	252	27058	0.381	ng		99
38) Benzo(k)fluoranthene	23.084	252	28281	0.390	ng		99
39) Benzo(a)pyrene	23.639	252	21959	0.386	ng		98
40) Dibenzo(a,h)anthracene	26.142	278	26135	0.432	ng		97
41) Benzo(g,h,i)perylene	26.852	276	27338	0.403	ng		97

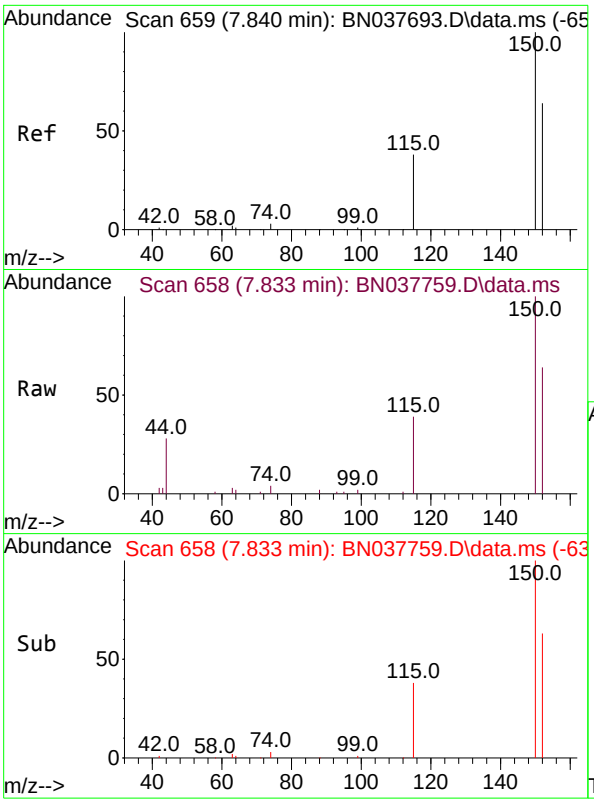
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091725\
Data File : BN037759.D
Acq On : 18 Sep 2025 02:46
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Sep 18 05:02:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration



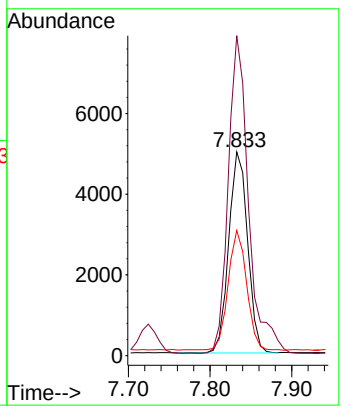


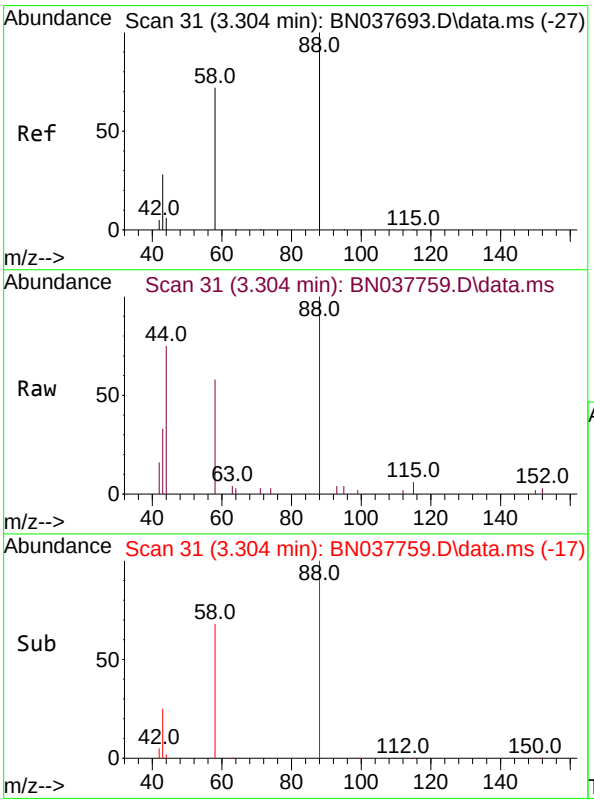
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.833 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN037759.D
Acq: 18 Sep 2025 02:46

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 8012

Ion	Ratio	Lower	Upper
152	100		
150	157.1	124.5	186.7
115	61.4	49.2	73.8

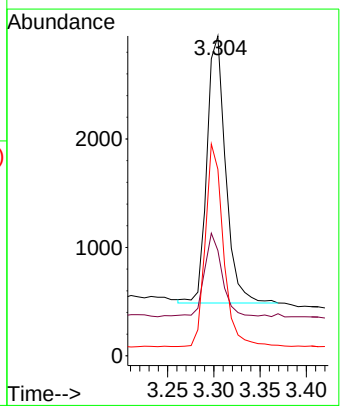


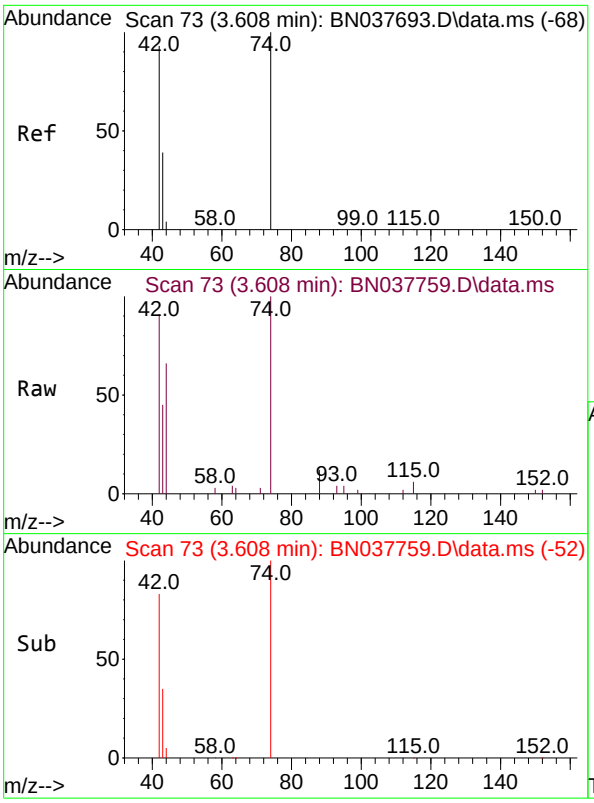


#2
1,4-Dioxane
Concen: 0.415 ng
RT: 3.304 min Scan# 31
Delta R.T. -0.000 min
Lab File: BN037759.D
Acq: 18 Sep 2025 02:46

Tgt Ion: 88 Resp: 3460

Ion	Ratio	Lower	Upper
88	100		
43	29.8	26.8	40.2
58	73.4	61.9	92.9



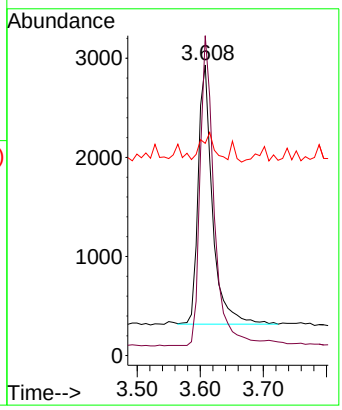


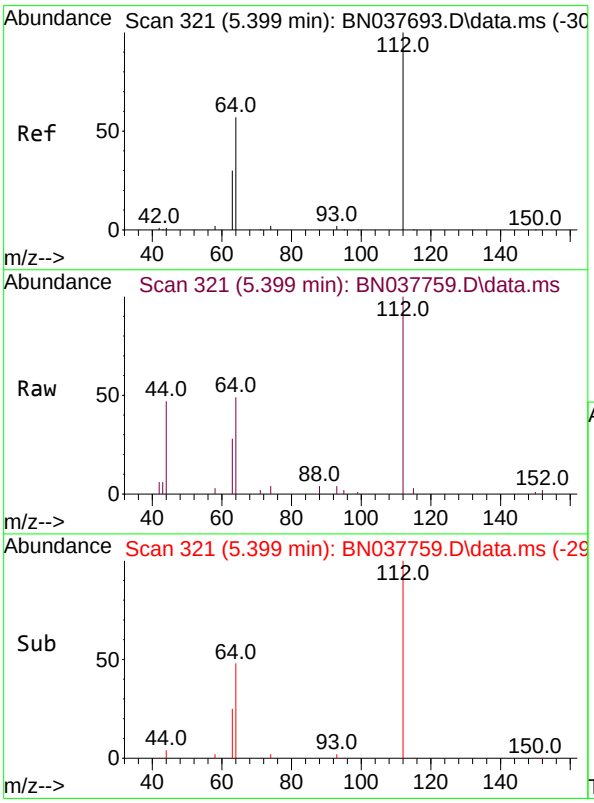
#3
n-Nitrosodimethylamine
Concen: 0.376 ng
RT: 3.608 min Scan# 7
Delta R.T. -0.000 min
Lab File: BN037759.D
Acq: 18 Sep 2025 02:46

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 4100

Ion	Ratio	Lower	Upper
42	100		
74	117.7	86.0	129.0
44	9.8	8.4	12.6

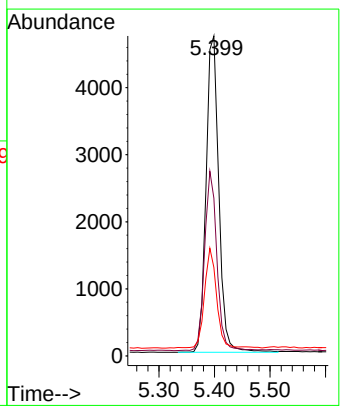


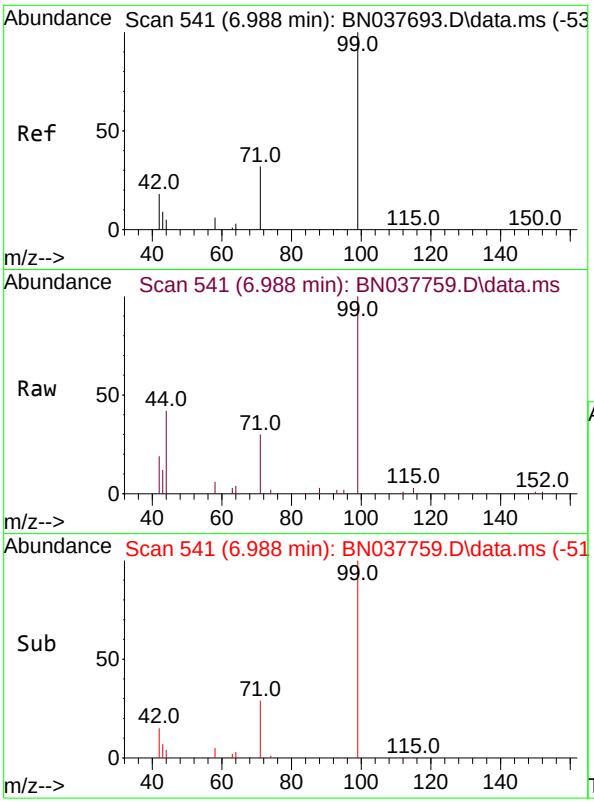


#4
2-Fluorophenol
Concen: 0.409 ng
RT: 5.399 min Scan# 321
Delta R.T. -0.000 min
Lab File: BN037759.D
Acq: 18 Sep 2025 02:46

Tgt Ion:112 Resp: 7521

Ion	Ratio	Lower	Upper
112	100		
64	54.9	44.9	67.3
63	29.9	24.7	37.1



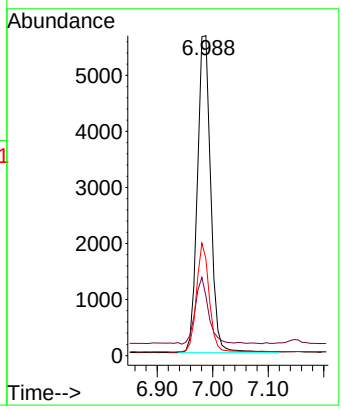


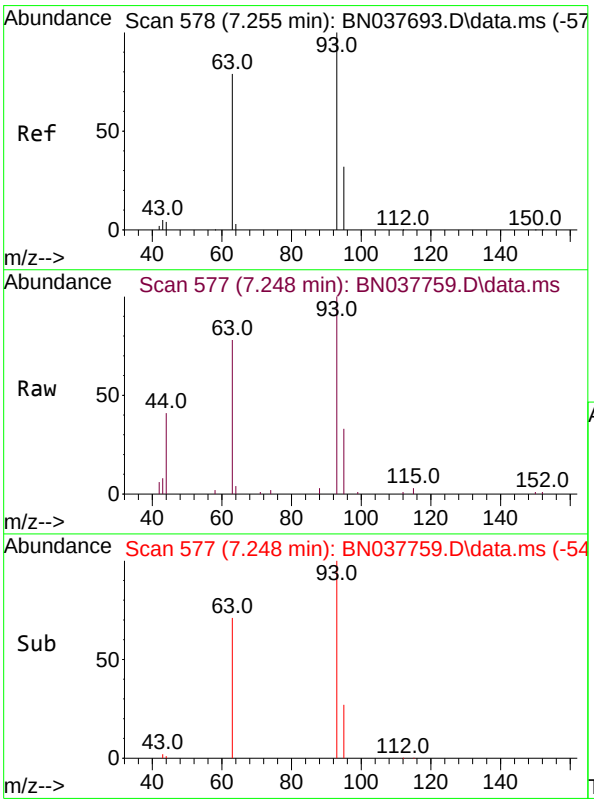
#5
Phenol-d6
Concen: 0.396 ng
RT: 6.988 min Scan# 54
Delta R.T. -0.000 min
Lab File: BN037759.D
Acq: 18 Sep 2025 02:46

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 9450

Ion	Ratio	Lower	Upper
99	100		
42	21.0	16.6	24.8
71	32.7	26.7	40.1

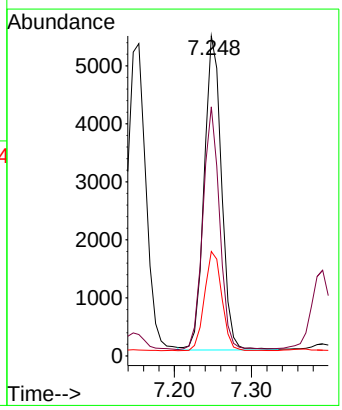


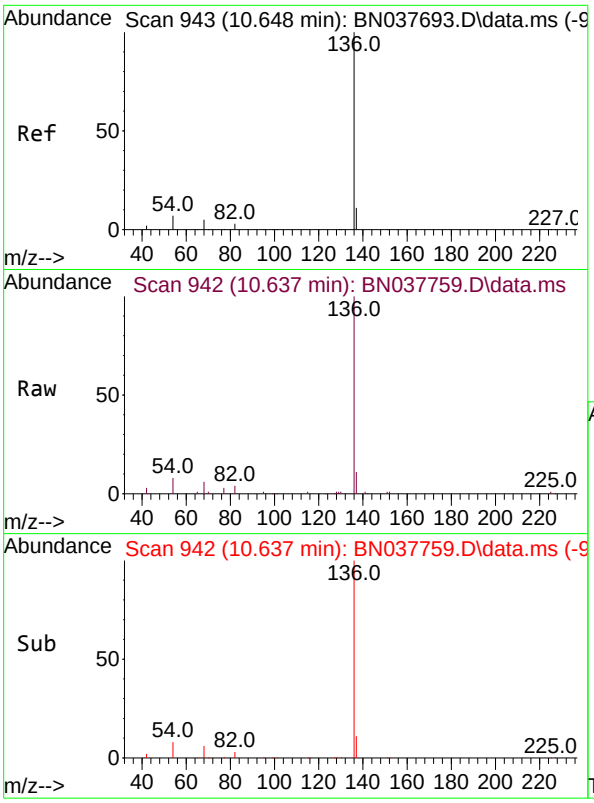


#6
bis(2-Chloroethyl)ether
Concen: 0.397 ng
RT: 7.248 min Scan# 577
Delta R.T. -0.007 min
Lab File: BN037759.D
Acq: 18 Sep 2025 02:46

Tgt Ion: 93 Resp: 8459

Ion	Ratio	Lower	Upper
93	100		
63	74.5	60.6	90.8
95	31.6	26.0	39.0



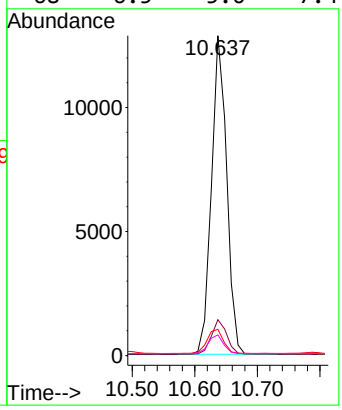


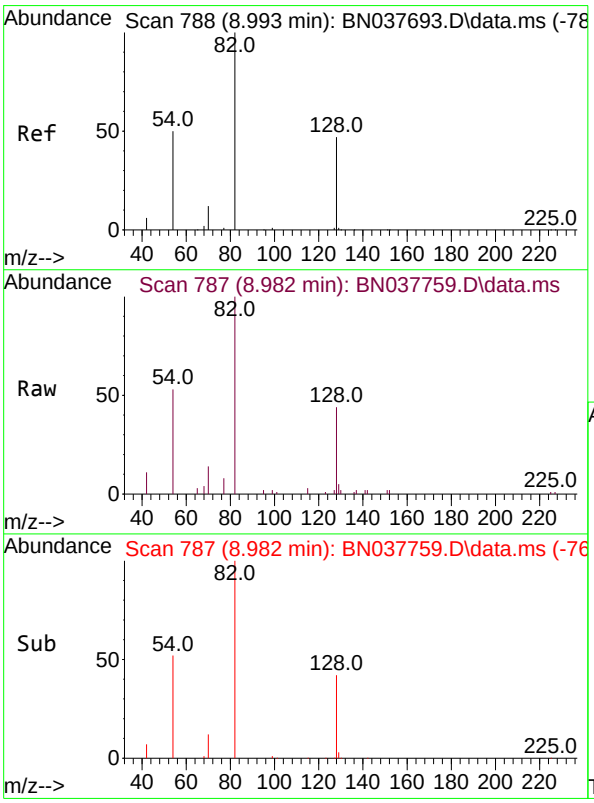
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.637 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037759.D
Acq: 18 Sep 2025 02:46

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 21664

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	8.2	6.3	9.5
68	6.5	5.0	7.4

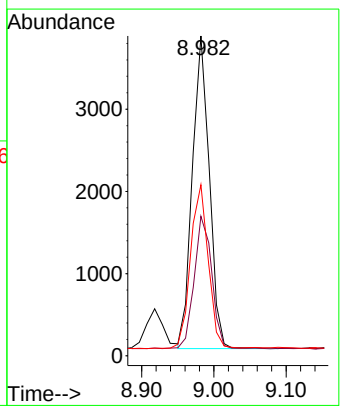


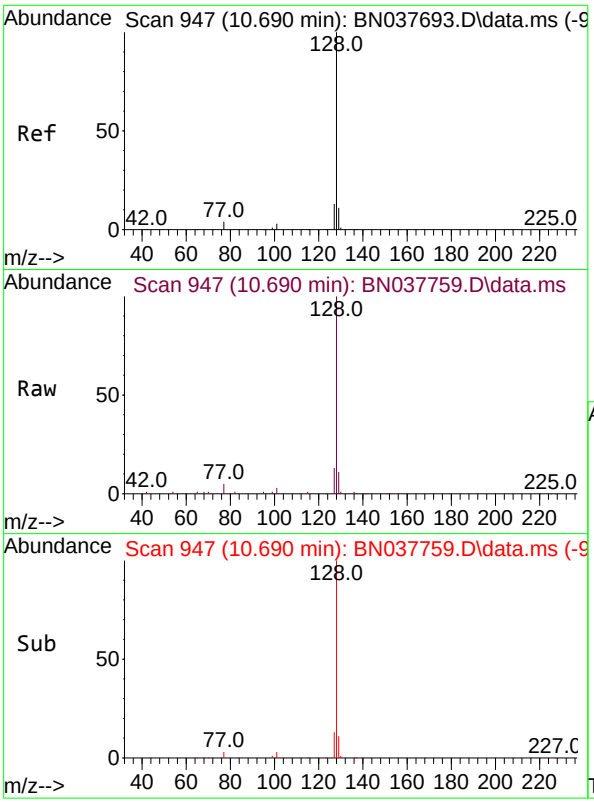


#8
Nitrobenzene-d5
Concen: 0.391 ng
RT: 8.982 min Scan# 787
Delta R.T. -0.011 min
Lab File: BN037759.D
Acq: 18 Sep 2025 02:46

Tgt Ion: 82 Resp: 6195

Ion	Ratio	Lower	Upper
82	100		
128	43.6	38.3	57.5
54	53.5	41.4	62.2



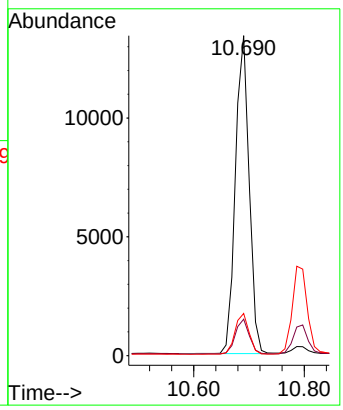


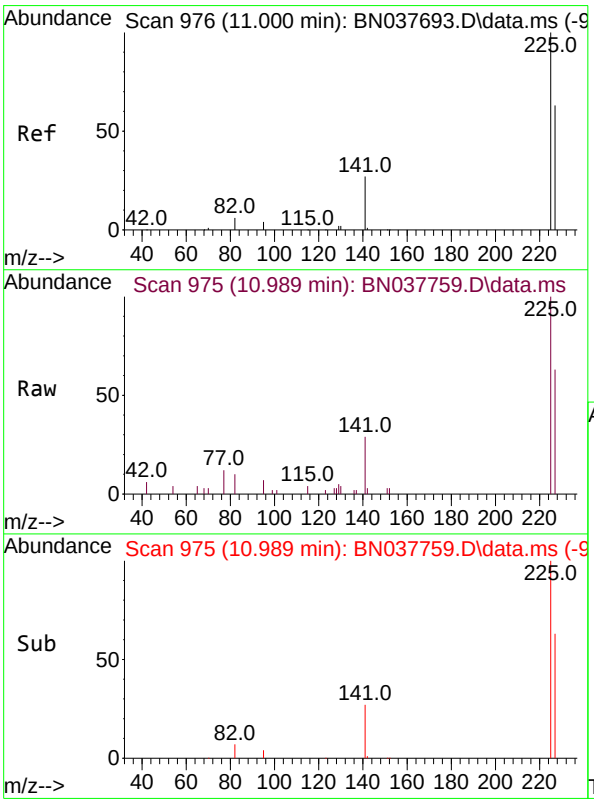
#9
Naphthalene
Concen: 0.389 ng
RT: 10.690 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN037759.D
Acq: 18 Sep 2025 02:46

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 23012

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.1	13.7
127	13.2	10.9	16.3

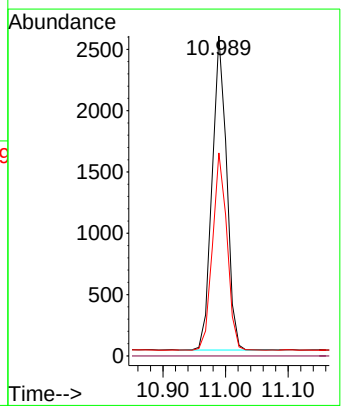


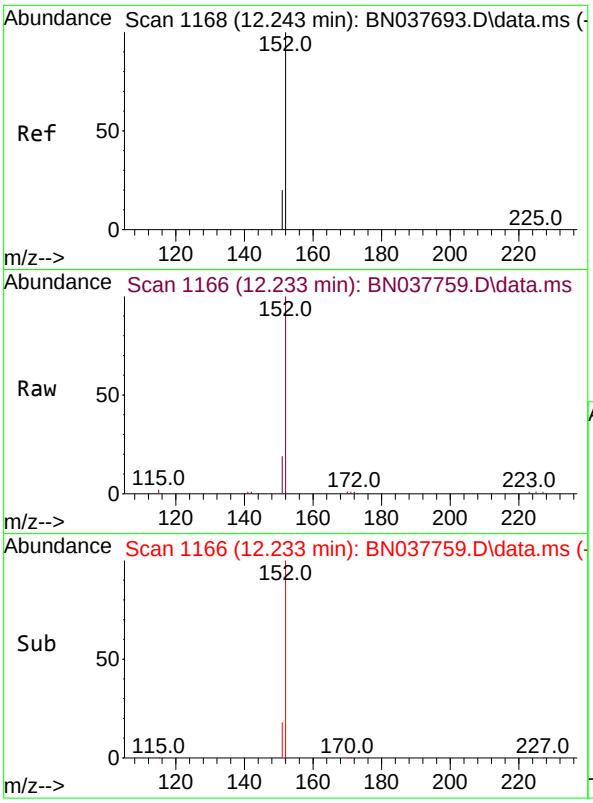


#10
Hexachlorobutadiene
Concen: 0.385 ng
RT: 10.989 min Scan# 975
Delta R.T. -0.011 min
Lab File: BN037759.D
Acq: 18 Sep 2025 02:46

Tgt Ion:225 Resp: 4127

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	62.6	50.9	76.3



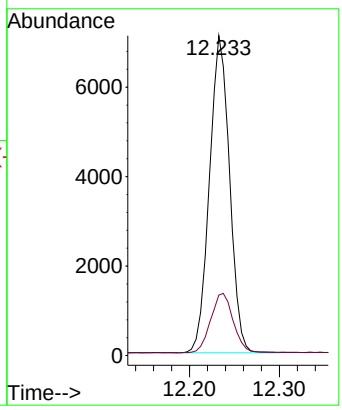


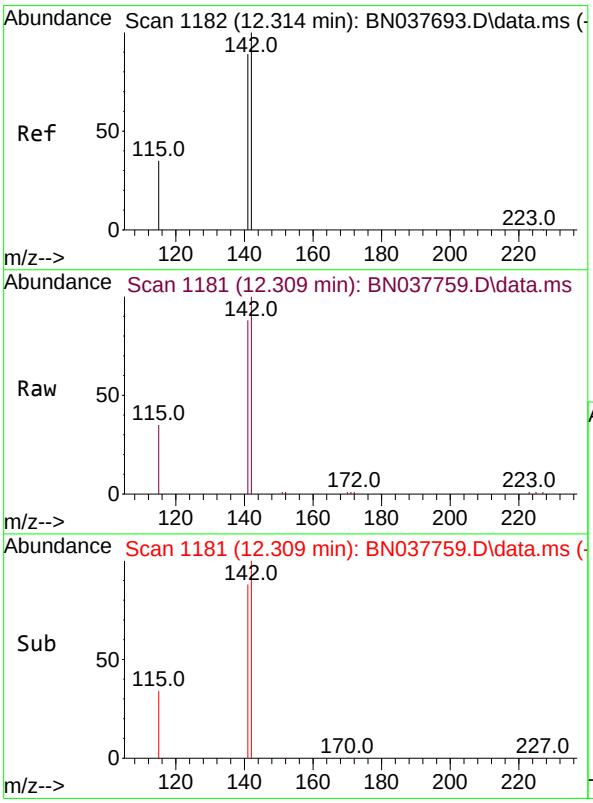
#11
2-Methylnaphthalene-d10
Concen: 0.386 ng
RT: 12.233 min Scan# 11
Delta R.T. -0.010 min
Lab File: BN037759.D
Acq: 18 Sep 2025 02:46

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 11065

Ion	Ratio	Lower	Upper
152	100		
151	20.9	17.0	25.6

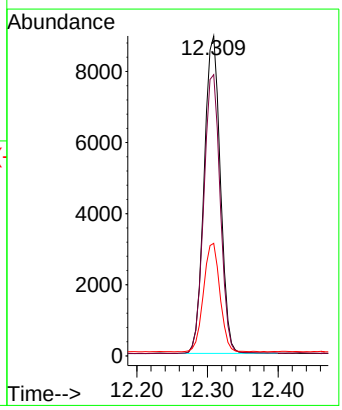


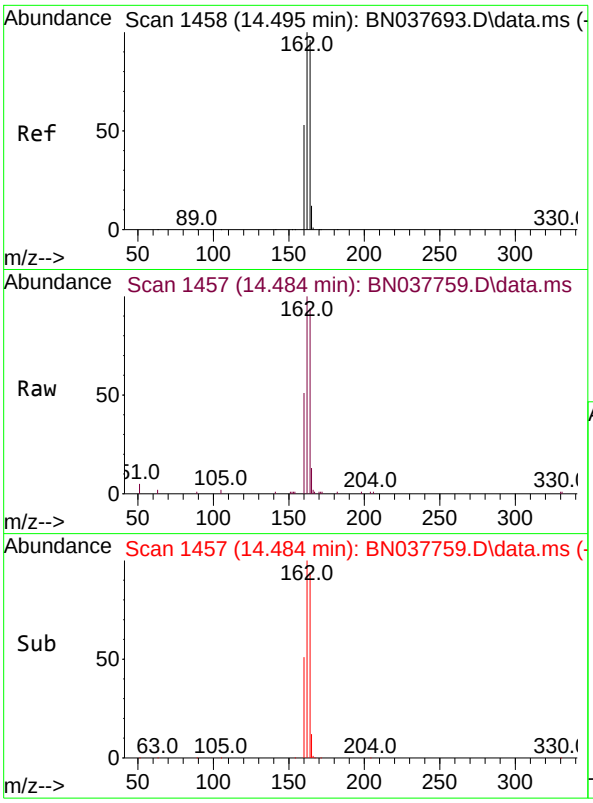


#12
2-Methylnaphthalene
Concen: 0.389 ng
RT: 12.309 min Scan# 1181
Delta R.T. -0.005 min
Lab File: BN037759.D
Acq: 18 Sep 2025 02:46

Tgt Ion:142 Resp: 14242

Ion	Ratio	Lower	Upper
142	100		
141	87.9	71.6	107.4
115	35.2	28.6	43.0



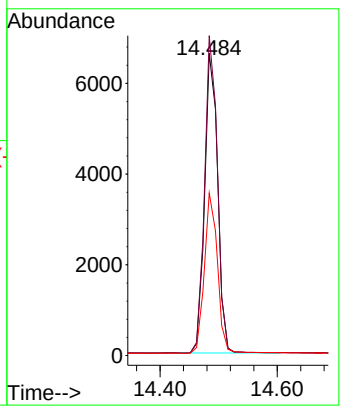


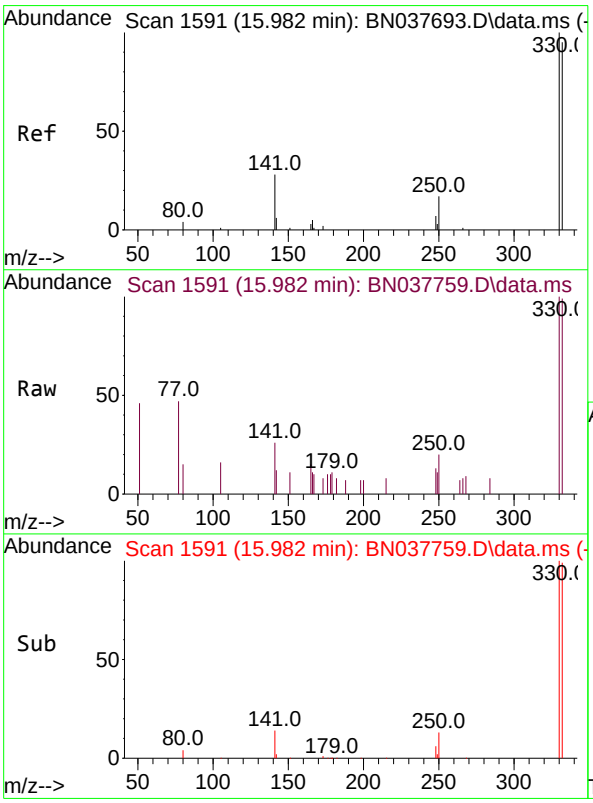
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.484 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN037759.D
Acq: 18 Sep 2025 02:46

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 10192

Ion	Ratio	Lower	Upper
164	100		
162	105.9	83.1	124.7
160	53.8	44.3	66.5

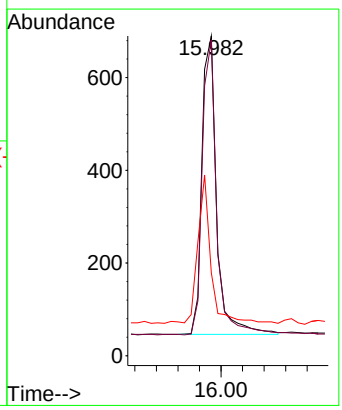


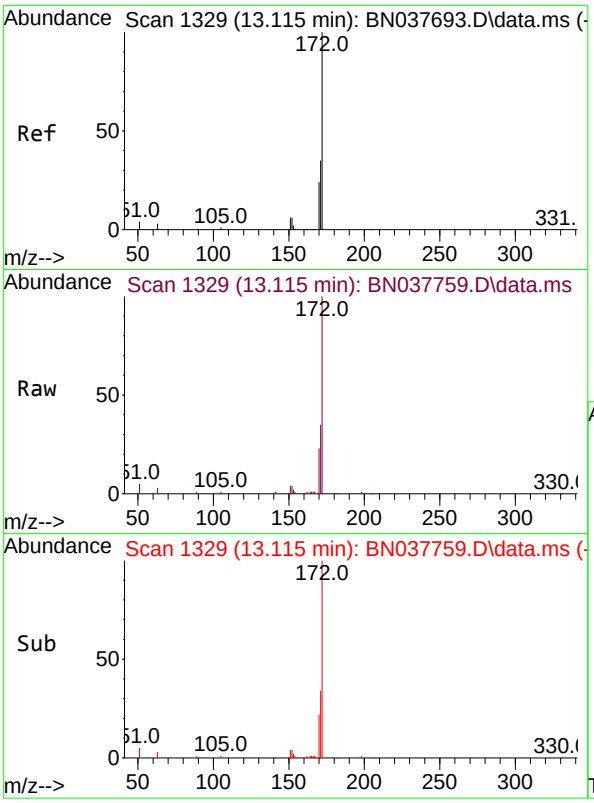


#14
2,4,6-Tribromophenol
Concen: 0.460 ng
RT: 15.982 min Scan# 1591
Delta R.T. -0.000 min
Lab File: BN037759.D
Acq: 18 Sep 2025 02:46

Tgt Ion:330 Resp: 1222

Ion	Ratio	Lower	Upper
330	100		
332	96.4	75.3	112.9
141	43.6	35.0	52.4



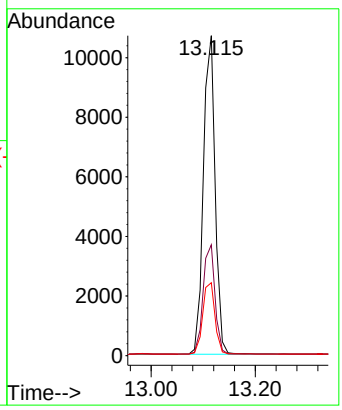


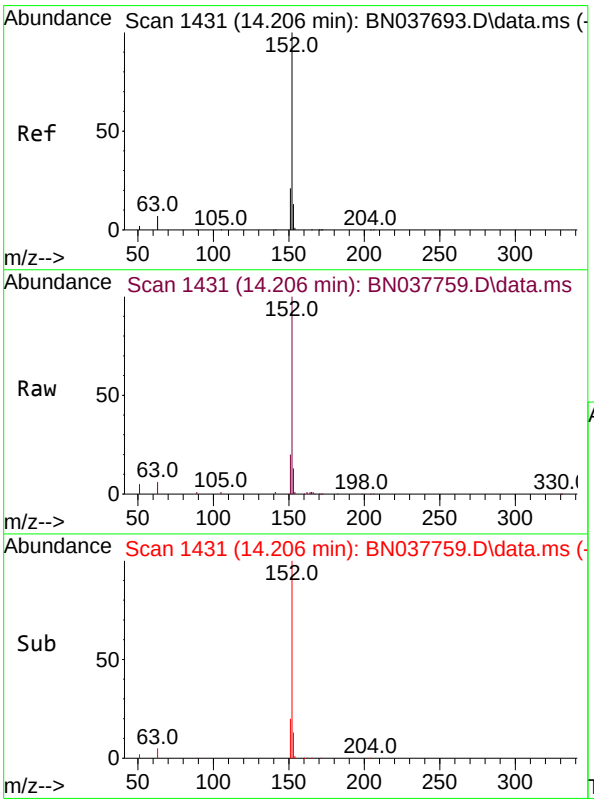
#15
2-Fluorobiphenyl
Concen: 0.393 ng
RT: 13.115 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037759.D
Acq: 18 Sep 2025 02:46

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 16772

Ion	Ratio	Lower	Upper
172	100		
171	34.6	28.6	43.0
170	22.8	19.8	29.8

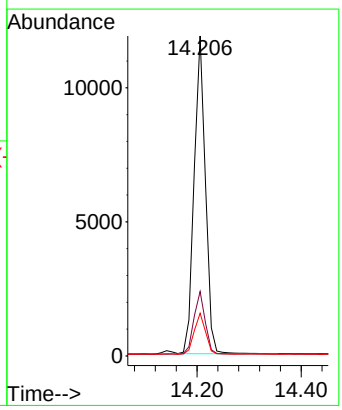


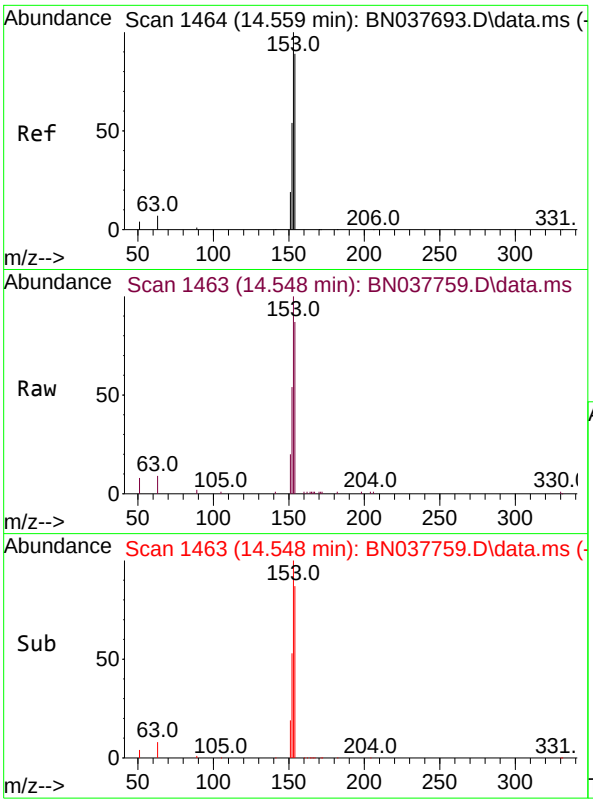


#16
Acenaphthylene
Concen: 0.380 ng
RT: 14.206 min Scan# 1431
Delta R.T. -0.000 min
Lab File: BN037759.D
Acq: 18 Sep 2025 02:46

Tgt Ion:152 Resp: 17762

Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.2	24.2
153	12.9	10.4	15.6



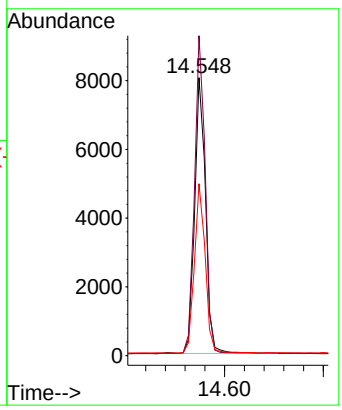


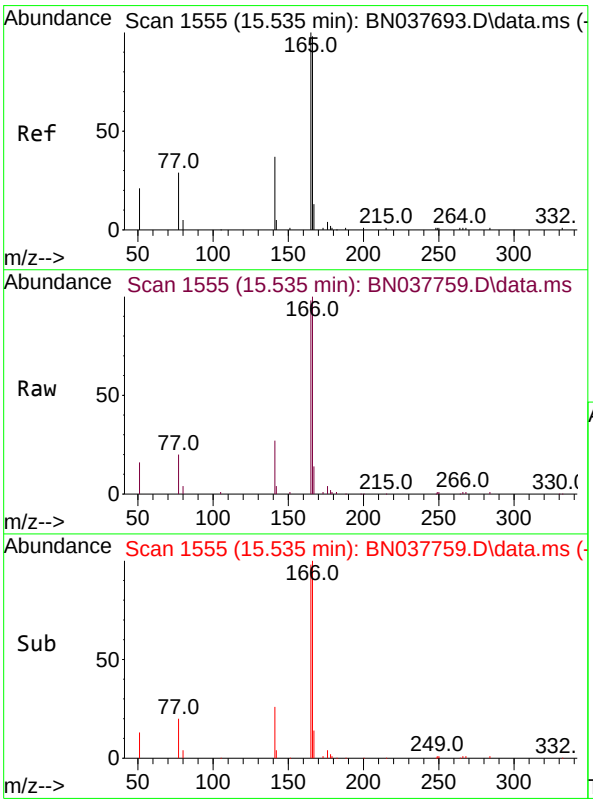
#17
Acenaphthene
Concen: 0.388 ng
RT: 14.548 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN037759.D
Acq: 18 Sep 2025 02:46

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 12273

Ion	Ratio	Lower	Upper
154	100		
153	112.9	89.8	134.8
152	61.6	50.2	75.2

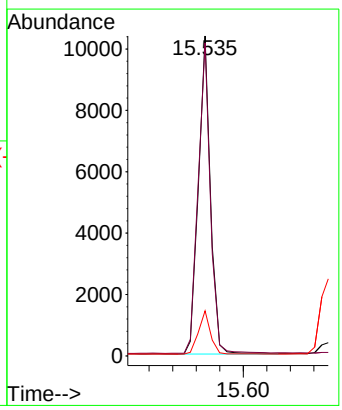


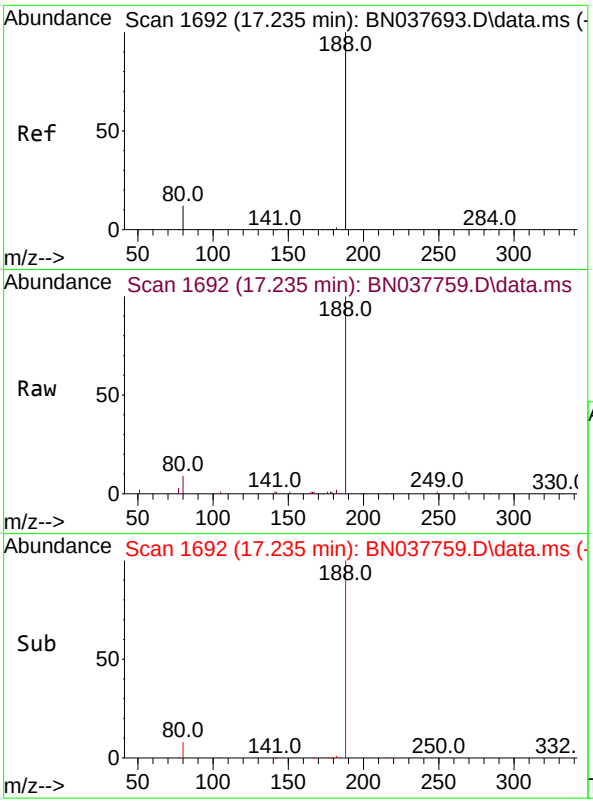


#18
Fluorene
Concen: 0.378 ng
RT: 15.535 min Scan# 1555
Delta R.T. -0.000 min
Lab File: BN037759.D
Acq: 18 Sep 2025 02:46

Tgt Ion:166 Resp: 14482

Ion	Ratio	Lower	Upper
166	100		
165	98.0	79.6	119.4
167	13.5	10.6	16.0



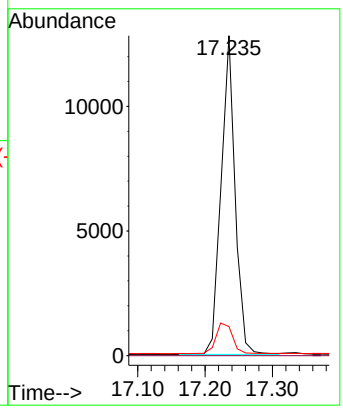


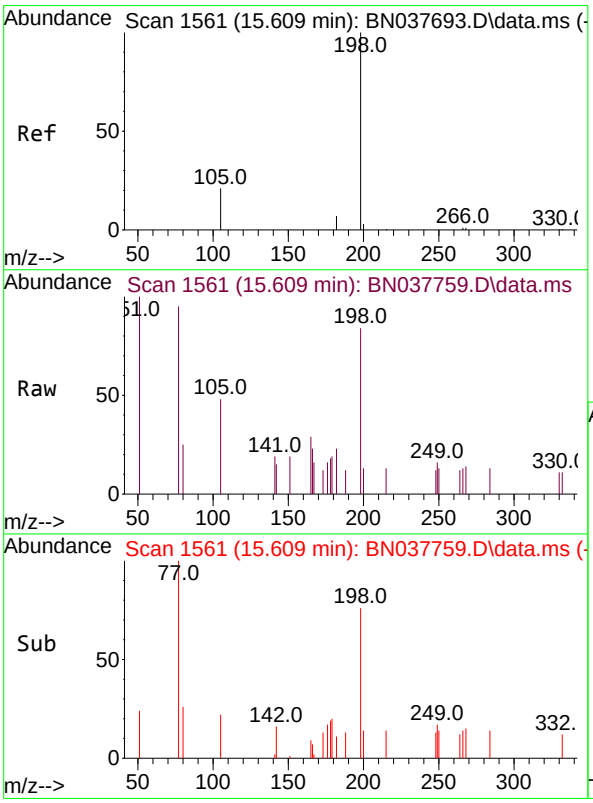
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.235 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037759.D
Acq: 18 Sep 2025 02:46

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 18613

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.1	10.6	15.8#

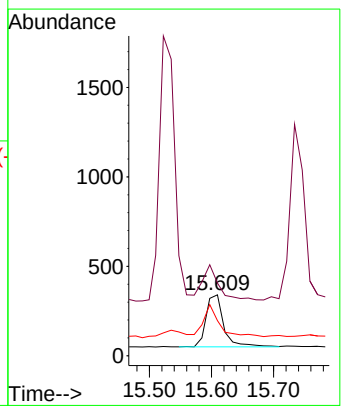


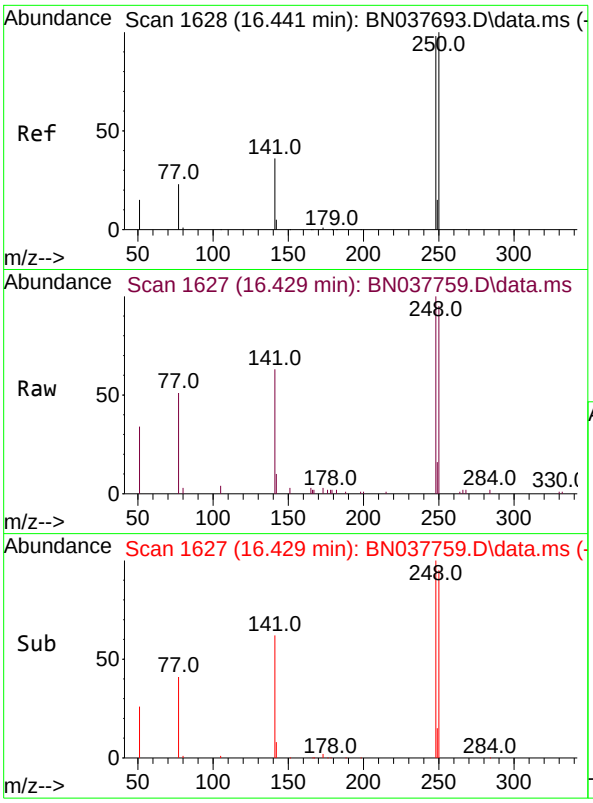


#20
4,6-Dinitro-2-methylphenol
Concen: 0.334 ng
RT: 15.609 min Scan# 1561
Delta R.T. 0.000 min
Lab File: BN037759.D
Acq: 18 Sep 2025 02:46

Tgt Ion:198 Resp: 576

Ion	Ratio	Lower	Upper
198	100		
51	119.4	95.1	142.7
105	57.8	53.8	80.6



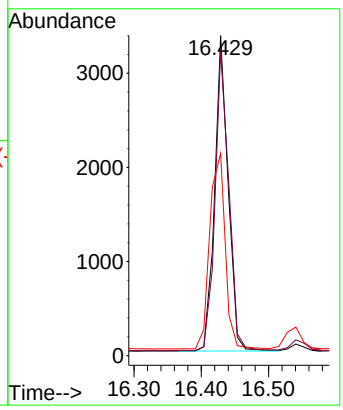


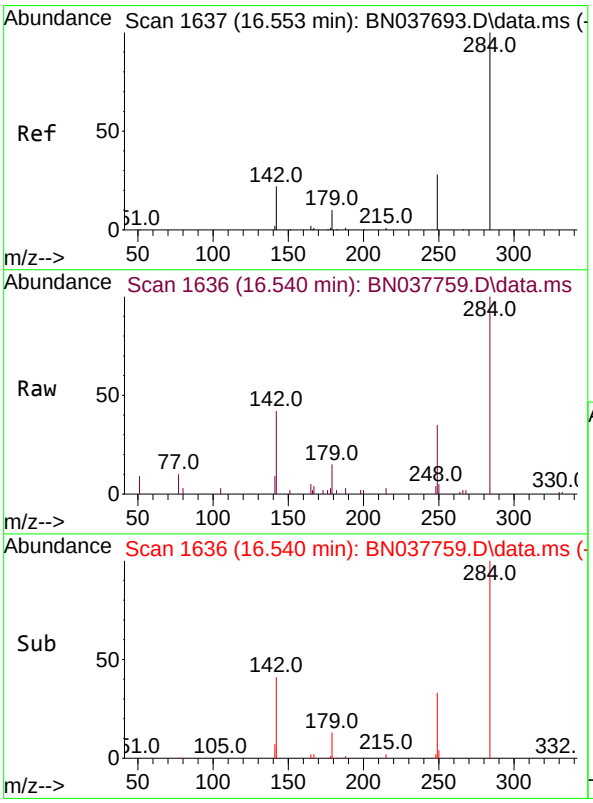
#21
4-Bromophenyl-phenylether
Concen: 0.385 ng
RT: 16.429 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037759.D
Acq: 18 Sep 2025 02:46

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:248 Resp: 4671

Ion	Ratio	Lower	Upper
248	100		
250	95.1	81.5	122.3
141	63.2	30.8	46.2#

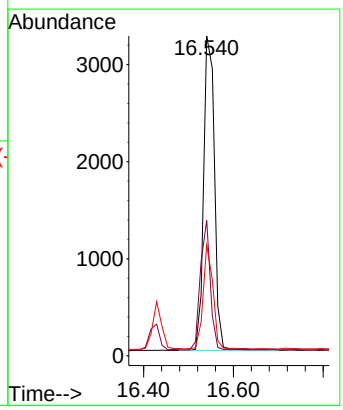


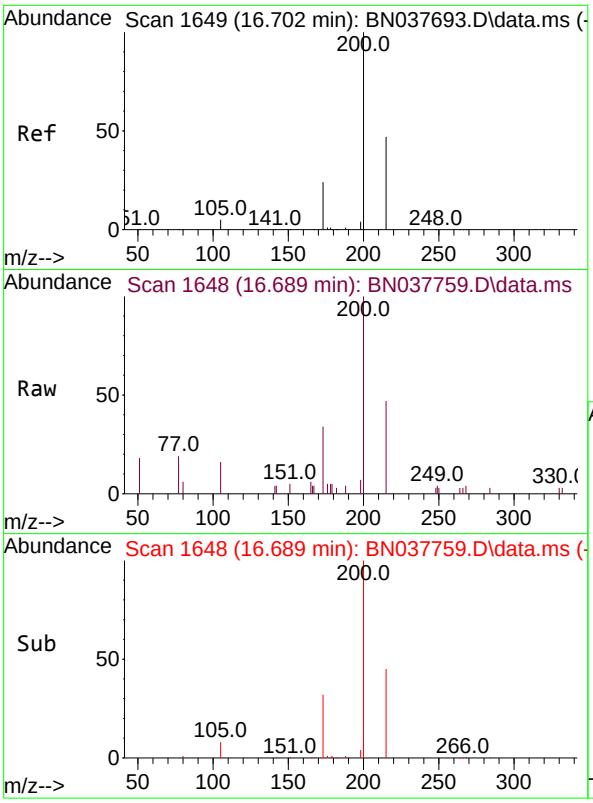


#22
Hexachlorobenzene
Concen: 0.389 ng
RT: 16.540 min Scan# 1636
Delta R.T. -0.012 min
Lab File: BN037759.D
Acq: 18 Sep 2025 02:46

Tgt Ion:284 Resp: 5435

Ion	Ratio	Lower	Upper
284	100		
142	37.7	30.9	46.3
249	30.2	24.8	37.2



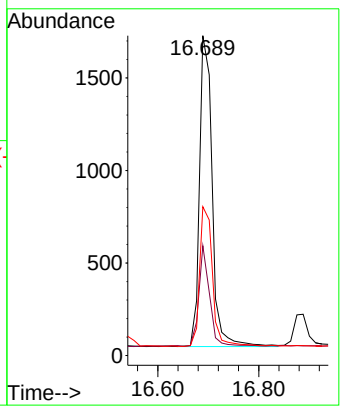


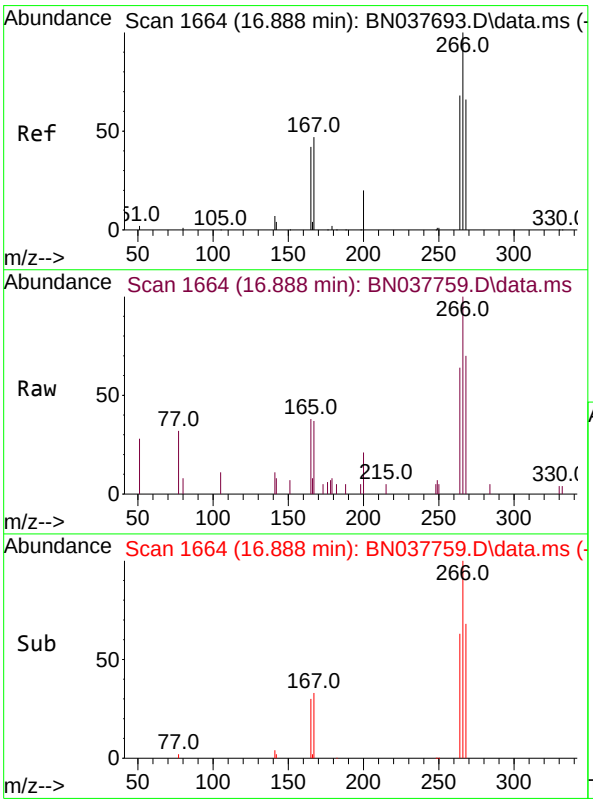
#23
Atrazine
Concen: 0.375 ng
RT: 16.689 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037759.D
Acq: 18 Sep 2025 02:46

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:200 Resp: 2899

Ion	Ratio	Lower	Upper
200	100		
173	34.3	21.4	32.2#
215	46.5	39.2	58.8

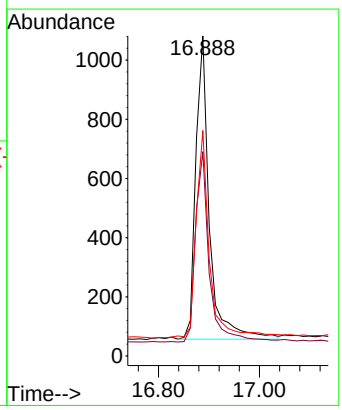


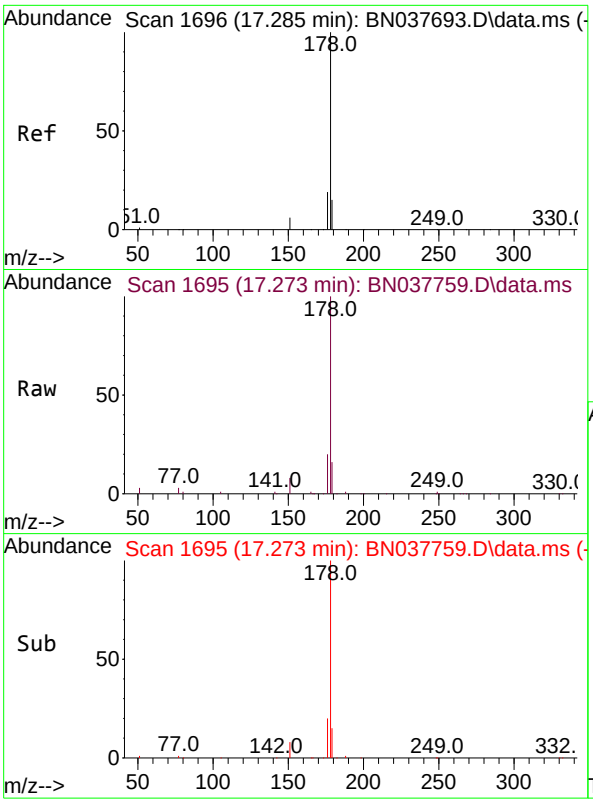


#24
Pentachlorophenol
Concen: 0.471 ng
RT: 16.888 min Scan# 1664
Delta R.T. -0.000 min
Lab File: BN037759.D
Acq: 18 Sep 2025 02:46

Tgt Ion:266 Resp: 1908

Ion	Ratio	Lower	Upper
266	100		
264	63.5	51.6	77.4
268	68.8	53.2	79.8



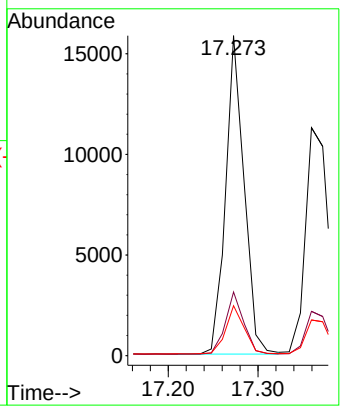


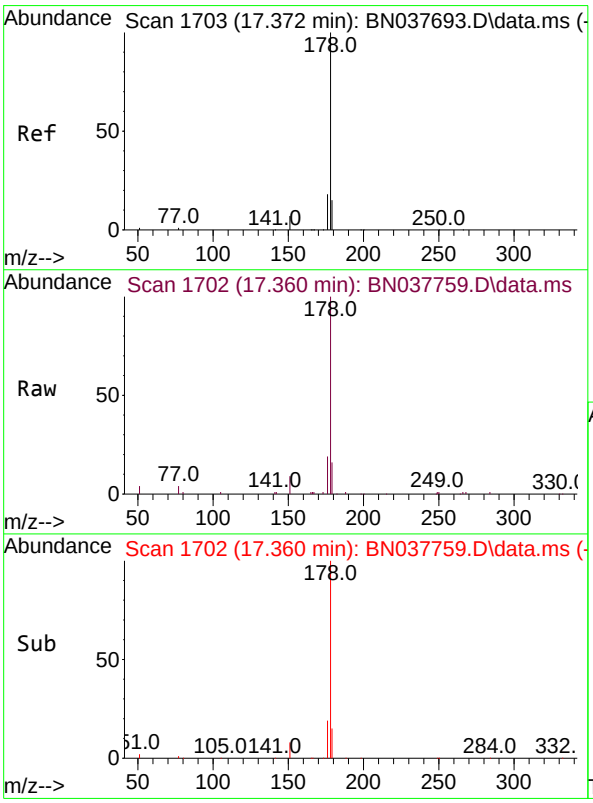
#25
Phenanthrene
Concen: 0.387 ng
RT: 17.273 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037759.D
Acq: 18 Sep 2025 02:46

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 22675

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	15.5	12.2	18.2

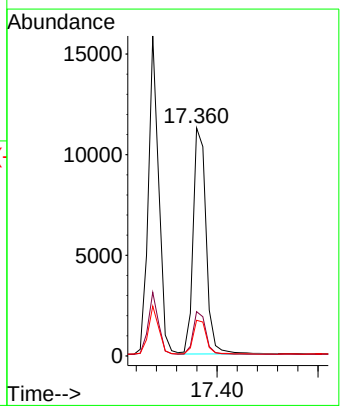


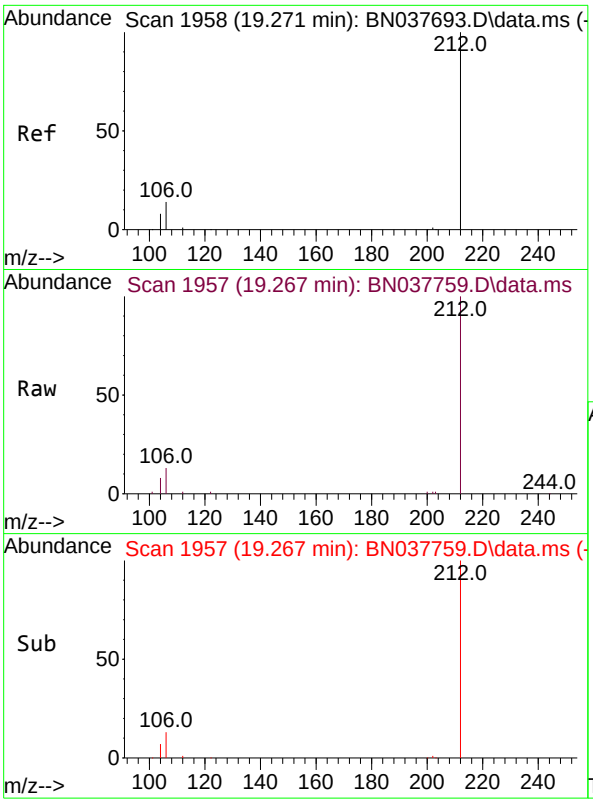


#26
Anthracene
Concen: 0.385 ng
RT: 17.360 min Scan# 1702
Delta R.T. -0.012 min
Lab File: BN037759.D
Acq: 18 Sep 2025 02:46

Tgt Ion:178 Resp: 19975

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.6	22.0
179	15.5	12.2	18.4



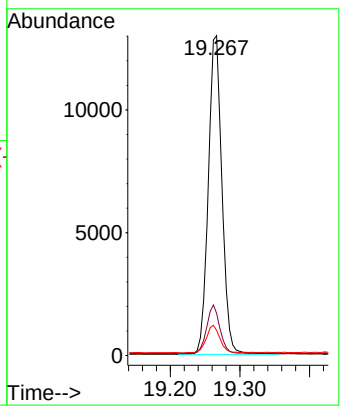


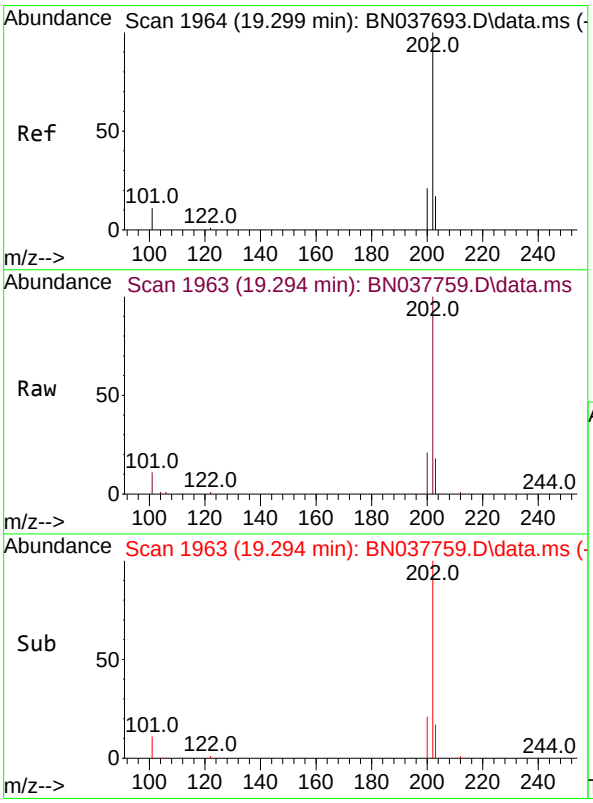
#27
Fluoranthene-d10
Concen: 0.378 ng
RT: 19.267 min Scan# 19
Delta R.T. -0.005 min
Lab File: BN037759.D
Acq: 18 Sep 2025 02:46

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 17669

Ion	Ratio	Lower	Upper
212	100		
106	14.8	12.2	18.2
104	8.6	6.9	10.3

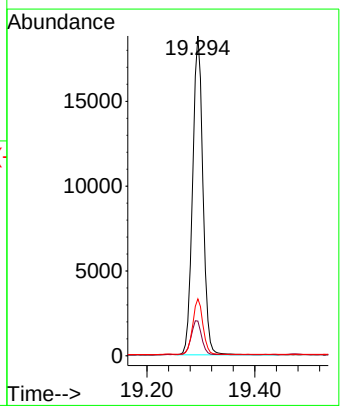


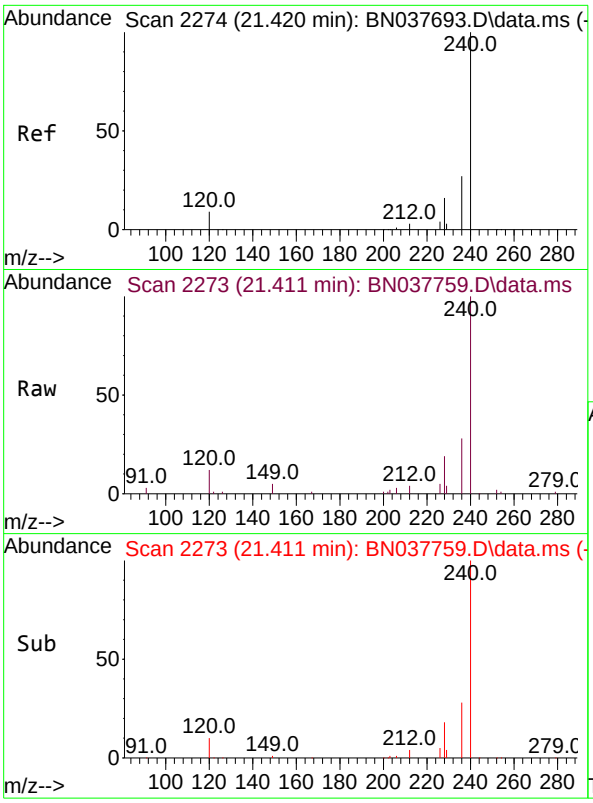


#28
Fluoranthene
Concen: 0.387 ng
RT: 19.294 min Scan# 1963
Delta R.T. -0.005 min
Lab File: BN037759.D
Acq: 18 Sep 2025 02:46

Tgt Ion:202 Resp: 24904

Ion	Ratio	Lower	Upper
202	100		
101	11.1	9.3	13.9
203	17.2	13.7	20.5



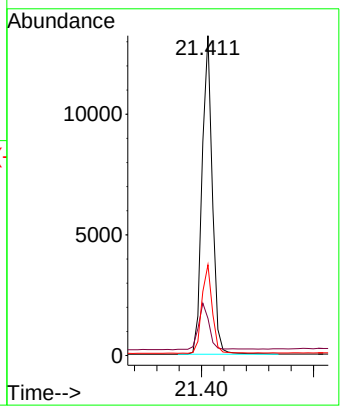


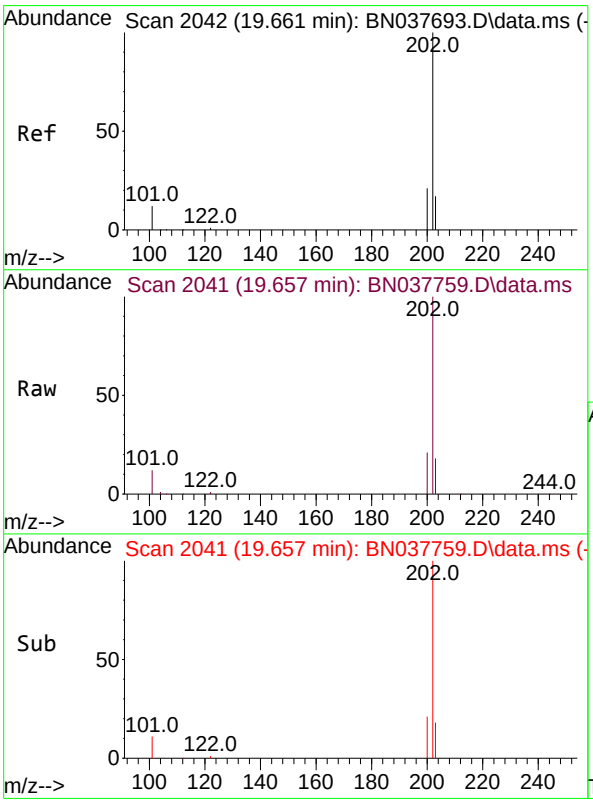
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.411 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN037759.D
Acq: 18 Sep 2025 02:46

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 16797

Ion	Ratio	Lower	Upper
240	100		
120	11.6	9.2	13.8
236	28.4	22.6	33.8

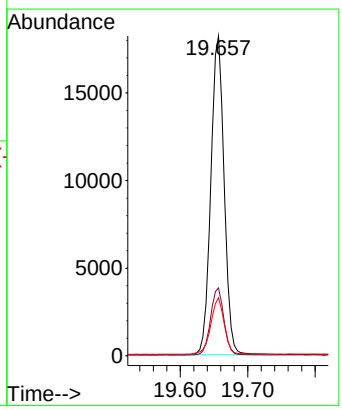


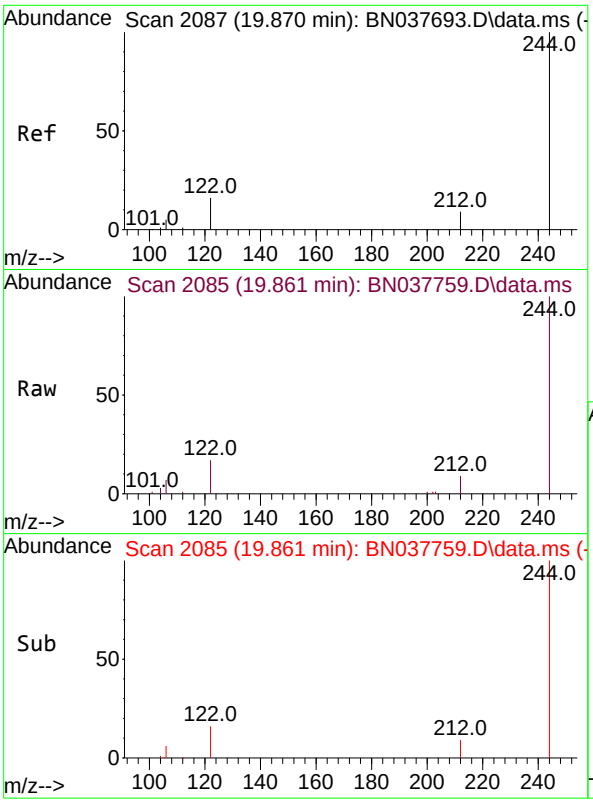


#30
Pyrene
Concen: 0.380 ng
RT: 19.657 min Scan# 2041
Delta R.T. -0.005 min
Lab File: BN037759.D
Acq: 18 Sep 2025 02:46

Tgt Ion:202 Resp: 24982

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.8	25.2
203	17.8	14.3	21.5



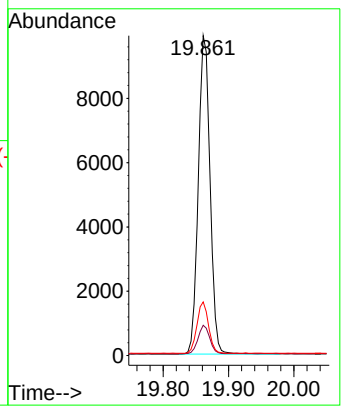


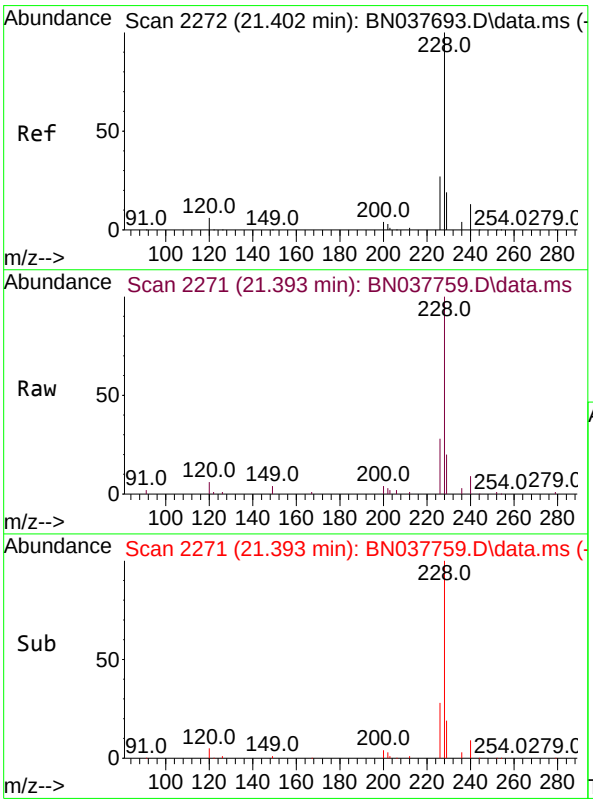
#31
Terphenyl-d14
Concen: 0.362 ng
RT: 19.861 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037759.D
Acq: 18 Sep 2025 02:46

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 12341

Ion	Ratio	Lower	Upper
244	100		
212	9.5	7.5	11.3
122	16.8	13.2	19.8

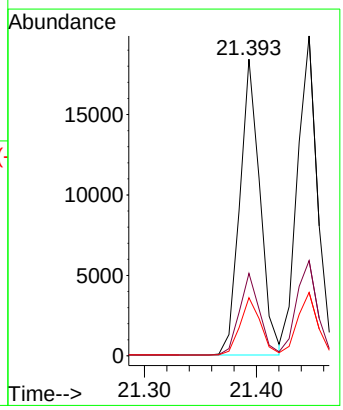


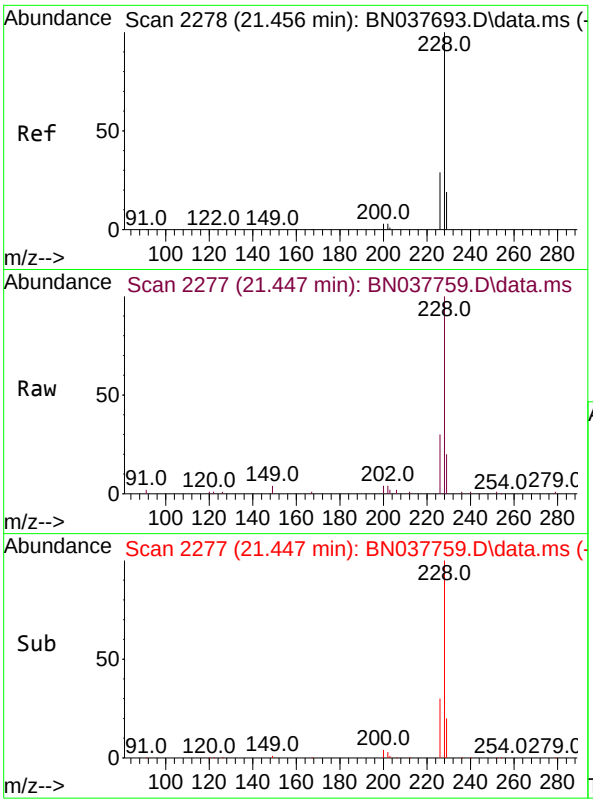


#32
Benzo(a)anthracene
Concen: 0.392 ng
RT: 21.393 min Scan# 2271
Delta R.T. -0.009 min
Lab File: BN037759.D
Acq: 18 Sep 2025 02:46

Tgt Ion:228 Resp: 22983

Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.2	33.2
229	19.6	15.8	23.6



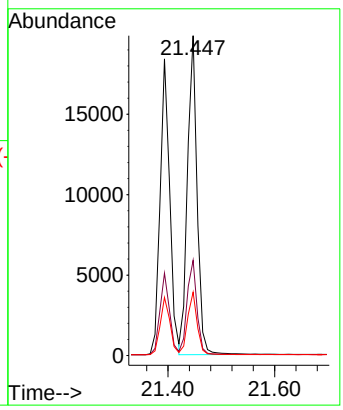


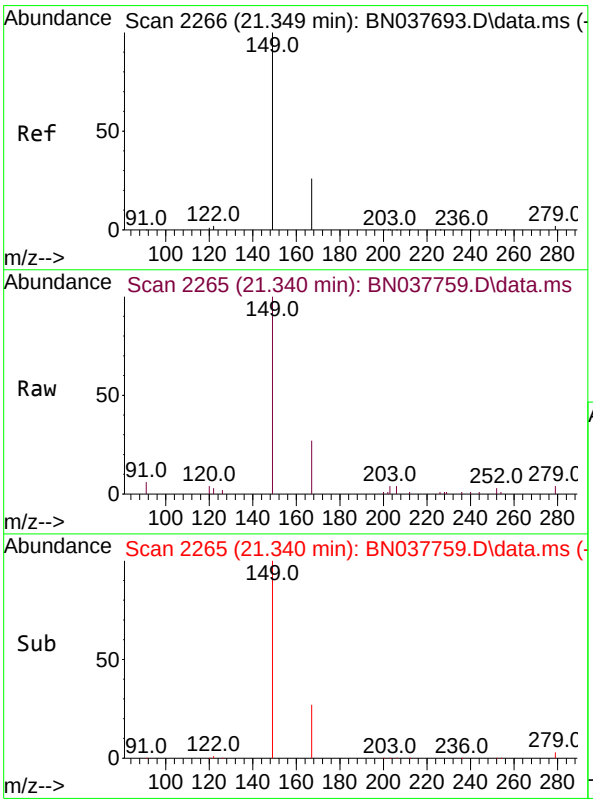
#33
Chrysene
Concen: 0.397 ng
RT: 21.447 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037759.D
Acq: 18 Sep 2025 02:46

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 24936

Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.5	35.3
229	19.8	15.9	23.9

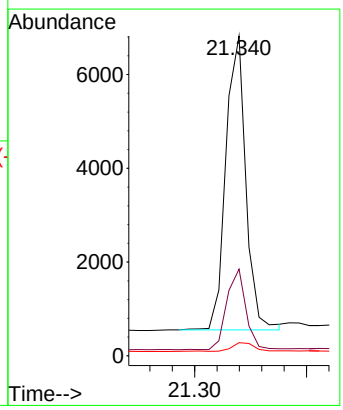


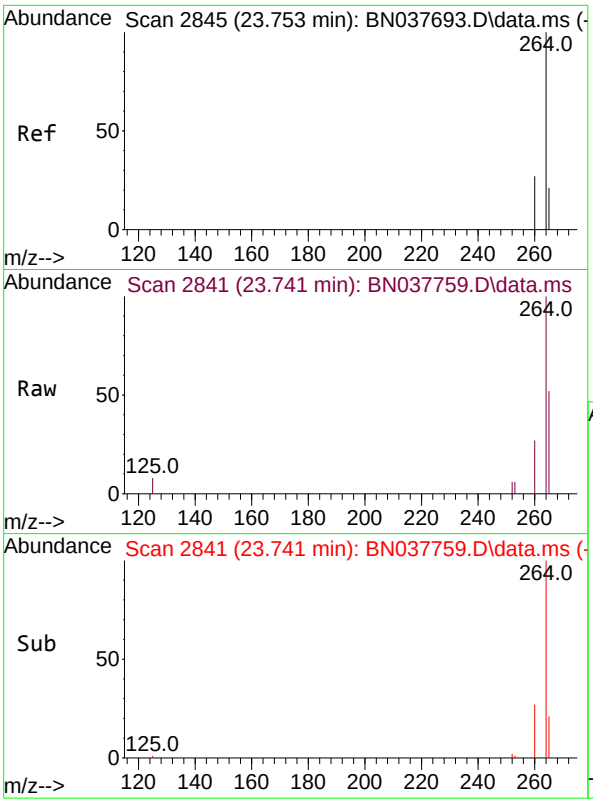


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.446 ng
RT: 21.340 min Scan# 2265
Delta R.T. -0.009 min
Lab File: BN037759.D
Acq: 18 Sep 2025 02:46

Tgt Ion:149 Resp: 7755

Ion	Ratio	Lower	Upper
149	100		
167	26.5	20.8	31.2
279	3.3	3.3	4.9



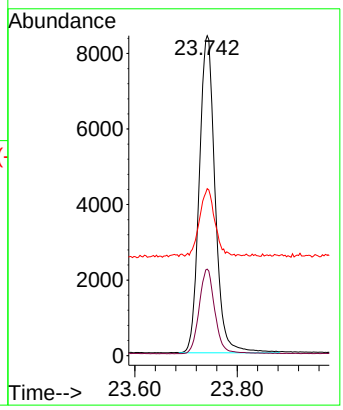


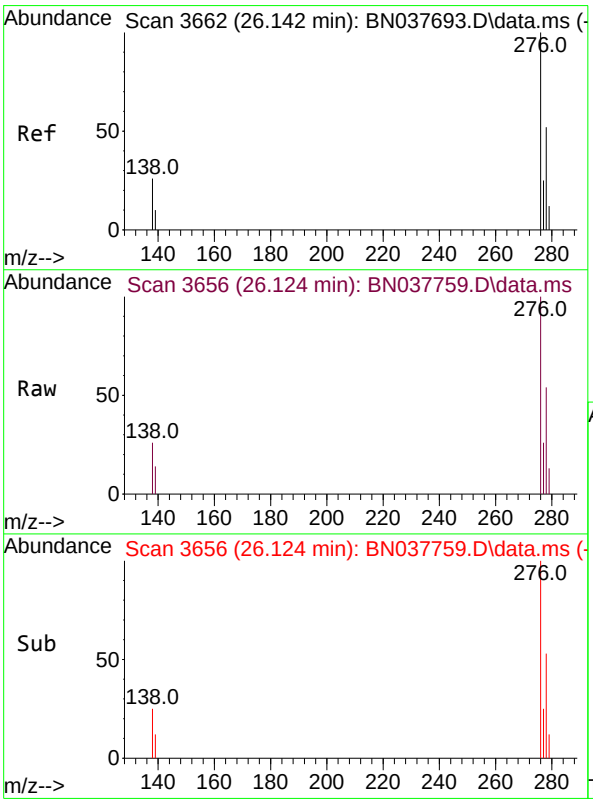
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.741 min Scan# 2
Delta R.T. -0.012 min
Lab File: BN037759.D
Acq: 18 Sep 2025 02:46

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:264 Resp: 18043

Ion	Ratio	Lower	Upper
264	100		
260	27.0	21.8	32.8
265	52.2	39.4	59.2

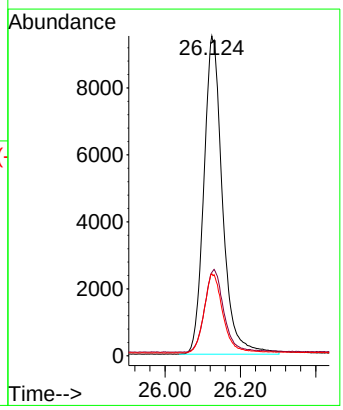


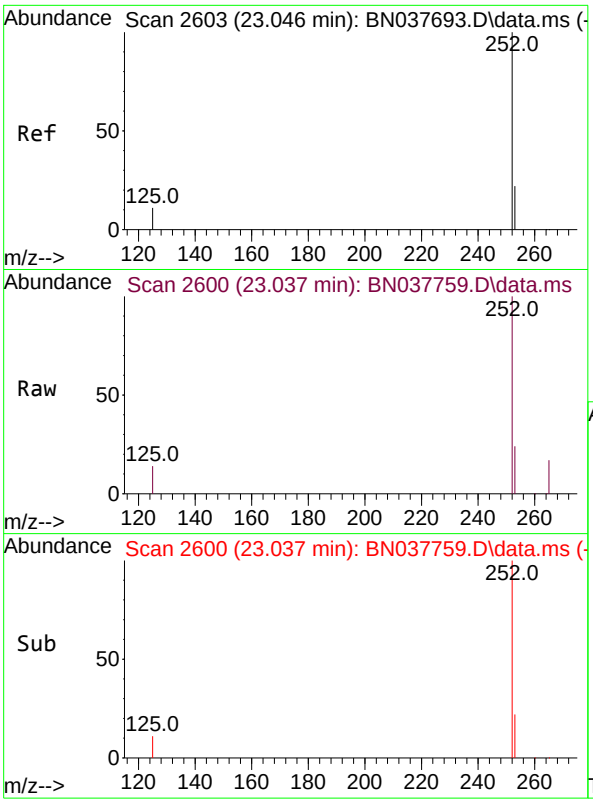


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.431 ng
RT: 26.124 min Scan# 3656
Delta R.T. -0.018 min
Lab File: BN037759.D
Acq: 18 Sep 2025 02:46

Tgt Ion:276 Resp: 32683

Ion	Ratio	Lower	Upper
276	100		
138	26.2	21.9	32.9
277	25.0	20.1	30.1



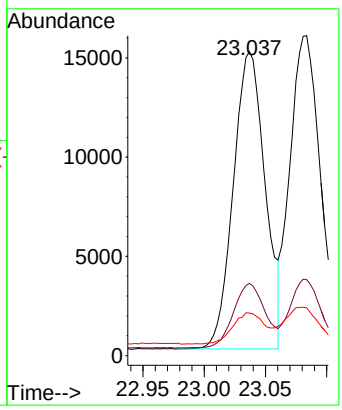


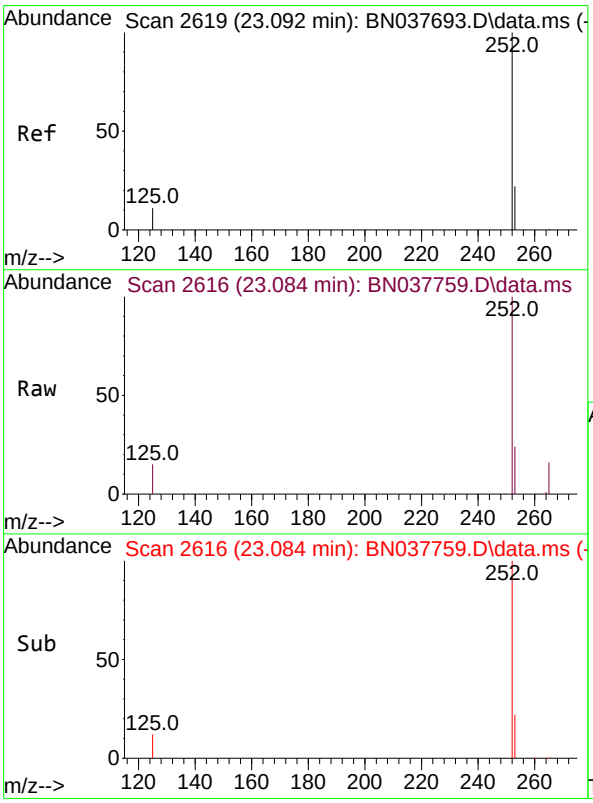
#37
Benzo(b)fluoranthene
Concen: 0.381 ng
RT: 23.037 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037759.D
Acq: 18 Sep 2025 02:46

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 27058

Ion	Ratio	Lower	Upper
252	100		
253	23.8	19.4	29.2
125	14.0	11.2	16.8

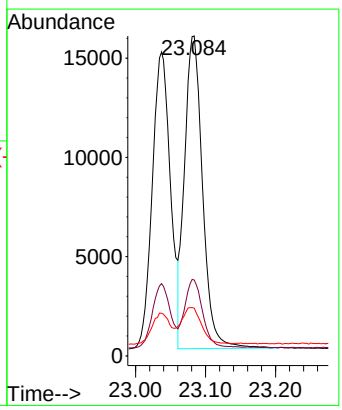


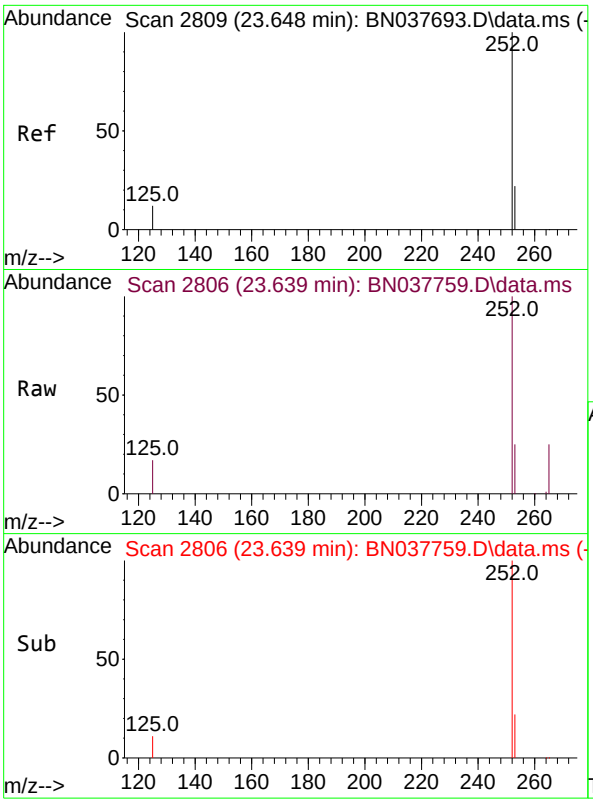


#38
Benzo(k)fluoranthene
Concen: 0.390 ng
RT: 23.084 min Scan# 2616
Delta R.T. -0.009 min
Lab File: BN037759.D
Acq: 18 Sep 2025 02:46

Tgt Ion:252 Resp: 28281

Ion	Ratio	Lower	Upper
252	100		
253	23.7	19.4	29.0
125	14.9	11.6	17.4



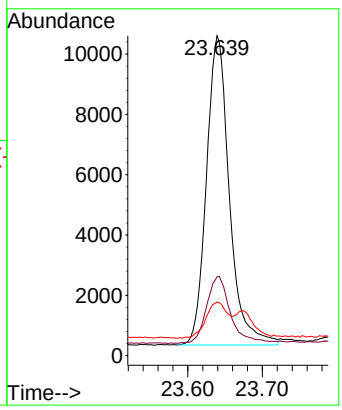


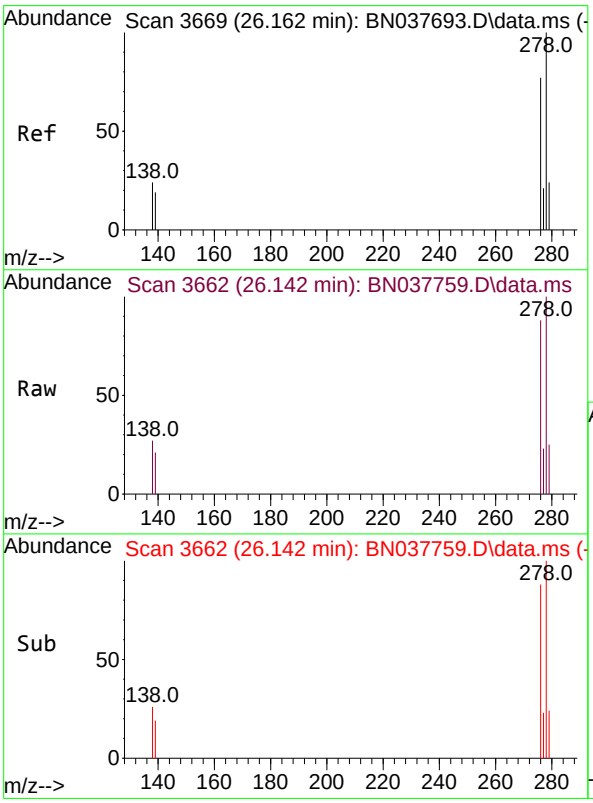
#39
Benzo(a)pyrene
Concen: 0.386 ng
RT: 23.639 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037759.D
Acq: 18 Sep 2025 02:46

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 21959

Ion	Ratio	Lower	Upper
252	100		
253	24.6	20.8	31.2
125	16.8	13.9	20.9

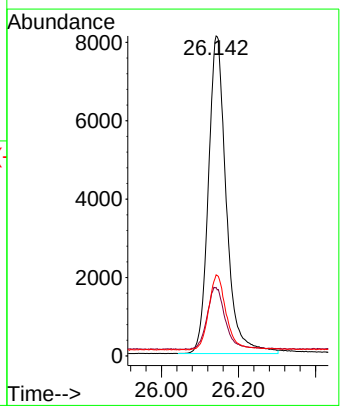


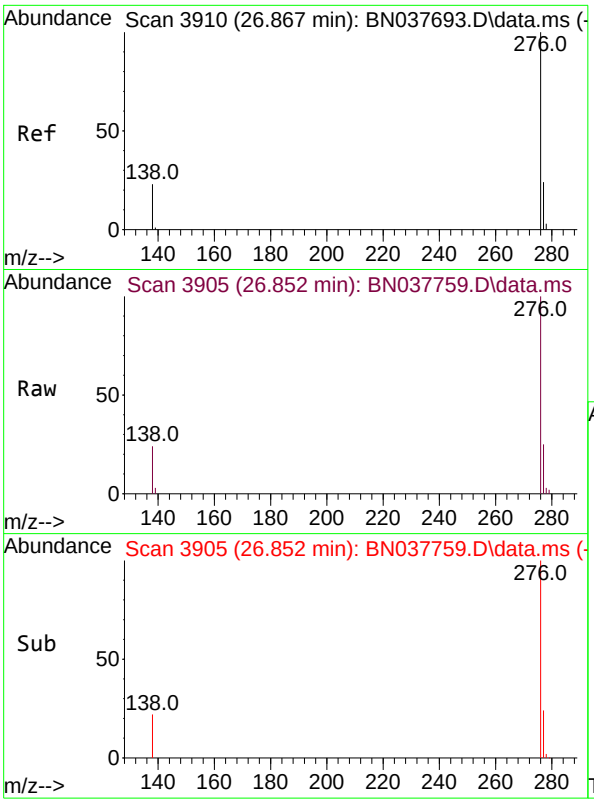


#40
Dibenzo(a,h)anthracene
Concen: 0.432 ng
RT: 26.142 min Scan# 3662
Delta R.T. -0.020 min
Lab File: BN037759.D
Acq: 18 Sep 2025 02:46

Tgt Ion:278 Resp: 26135

Ion	Ratio	Lower	Upper
278	100		
139	21.4	17.8	26.6
279	25.3	22.0	33.0



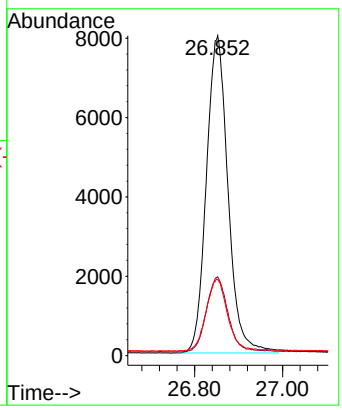


#41
Benzo(g,h,i)perylene
Concen: 0.403 ng
RT: 26.852 min Scan# 3
Delta R.T. -0.015 min
Lab File: BN037759.D
Acq: 18 Sep 2025 02:46

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 27338

Ion	Ratio	Lower	Upper
276	100		
277	24.6	20.6	31.0
138	23.8	20.2	30.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091725\
Data File : BN037759.D
Acq On : 18 Sep 2025 02:46
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Quant Time: Sep 18 05:02:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	160#	0.00
2		1,4-Dioxane	0.417	0.432	-3.6	164#	0.00
3		n-Nitrosodimethylamine	0.544	0.512	5.9	146	0.00
4	S	2-Fluorophenol	0.918	0.939	-2.3	169#	0.00
5	S	Phenol-d6	1.191	1.179	1.0	164#	0.00
6		bis(2-Chloroethyl)ether	1.064	1.056	0.8	158#	0.00
7	I	Naphthalene-d8	1.000	1.000	0.0	164#	-0.01
8	S	Nitrobenzene-d5	0.293	0.286	2.4	164#	-0.01
9		Naphthalene	1.093	1.062	2.8	162#	0.00
10		Hexachlorobutadiene	0.198	0.191	3.5	158#	-0.01
11	SURR	2-Methylnaphthalene-d10	0.530	0.511	3.6	168#	-0.01
12		2-Methylnaphthalene	0.676	0.657	2.8	163#	0.00
13	I	Acenaphthene-d10	1.000	1.000	0.0	164#	-0.01
14	S	2,4,6-Tribromophenol	0.104	0.120	-15.4	196#	0.00
15	S	2-Fluorobiphenyl	1.673	1.646	1.6	164#	0.00
16		Acenaphthylene	1.834	1.743	5.0	161#	0.00
17		Acenaphthene	1.240	1.204	2.9	163#	-0.01
18		Fluorene	1.502	1.421	5.4	162#	0.00
19	I	Phenanthrene-d10	1.000	1.000	0.0	165#	0.00
20		4,6-Dinitro-2-methylphenol	0.037	0.031	16.2	155#	0.00
21		4-Bromophenyl-phenylether	0.261	0.251	3.8	165#	-0.01
22		Hexachlorobenzene	0.300	0.292	2.7	164#	-0.01
23		Atrazine	0.166	0.156	6.0	170#	-0.01
24		Pentachlorophenol	0.087	0.103	-18.4	227#	0.00
25		Phenanthrene	1.259	1.218	3.3	165#	-0.01
26		Anthracene	1.116	1.073	3.9	166#	-0.01
27	SURR	Fluoranthene-d10	1.004	0.949	5.5	168#	0.00
28		Fluoranthene	1.381	1.338	3.1	169#	0.00
29	I	Chrysene-d12	1.000	1.000	0.0	179#	0.00
30		Pyrene	1.566	1.487	5.0	171#	0.00
31	S	Terphenyl-d14	0.812	0.735	9.5	164#	0.00
32		Benzo(a)anthracene	1.395	1.368	1.9	182#	0.00
33		Chrysene	1.496	1.485	0.7	178#	0.00
34		Bis(2-ethylhexyl)phthalate	0.414	0.462	-11.6	220#	0.00
35	I	Perylene-d12	1.000	1.000	0.0	201#	-0.01
36		Indeno(1,2,3-cd)pyrene	1.681	1.811	-7.7	236#	-0.02
37		Benzo(b)fluoranthene	1.575	1.500	4.8	194#	0.00
38		Benzo(k)fluoranthene	1.606	1.567	2.4	207#	0.00
39	C	Benzo(a)pyrene	1.261	1.217	3.5	204#	0.00
40		Dibenzo(a,h)anthracene	1.342	1.448	-7.9	241#	-0.02
41		Benzo(g,h,i)perylene	1.506	1.515	-0.6	210#	-0.01

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091725\
Data File : BN037759.D
Acq On : 18 Sep 2025 02:46
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Quant Time: Sep 18 05:02:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	0.400	0.400	0.0	160	0.00
2		1,4-Dioxane	0.400	0.415	-3.7	164	0.00
3		n-Nitrosodimethylamine	0.400	0.376	6.0	146	0.00
4	S	2-Fluorophenol	0.400	0.409	-2.2	169	0.00
5	S	Phenol-d6	0.400	0.396	1.0	164	0.00
6		bis(2-Chloroethyl)ether	0.400	0.397	0.8	158	0.00
7	I	Naphthalene-d8	0.400	0.400	0.0	164	-0.01
8	S	Nitrobenzene-d5	0.400	0.391	2.3	164	-0.01
9		Naphthalene	0.400	0.389	2.8	162	0.00
10		Hexachlorobutadiene	0.400	0.385	3.8	158	-0.01
11	SURR	2-Methylnaphthalene-d10	0.400	0.386	3.5	168	-0.01
12		2-Methylnaphthalene	0.400	0.389	2.8	163	0.00
13	I	Acenaphthene-d10	0.400	0.400	0.0	164	-0.01
14	S	2,4,6-Tribromophenol	0.400	0.460	-15.0	196	0.00
15	S	2-Fluorobiphenyl	0.400	0.393	1.8	164	0.00
16		Acenaphthylene	0.400	0.380	5.0	161	0.00
17		Acenaphthene	0.400	0.388	3.0	163	-0.01
18		Fluorene	0.400	0.378	5.5	162	0.00
19	I	Phenanthrene-d10	0.400	0.400	0.0	165	0.00
20		4,6-Dinitro-2-methylphenol	0.400	0.334	16.5	155	0.00
21		4-Bromophenyl-phenylether	0.400	0.385	3.8	165	-0.01
22		Hexachlorobenzene	0.400	0.389	2.8	164	-0.01
23		Atrazine	0.400	0.375	6.3	170	-0.01
24		Pentachlorophenol	0.400	0.471	-17.7	227	0.00
25		Phenanthrene	0.400	0.387	3.3	165	-0.01
26		Anthracene	0.400	0.385	3.8	166	-0.01
27	SURR	Fluoranthene-d10	0.400	0.378	5.5	168	0.00
28		Fluoranthene	0.400	0.387	3.3	169	0.00
29	I	Chrysene-d12	0.400	0.400	0.0	179	0.00
30		Pyrene	0.400	0.380	5.0	171	0.00
31	S	Terphenyl-d14	0.400	0.362	9.5	164	0.00
32		Benzo(a)anthracene	0.400	0.392	2.0	182	0.00
33		Chrysene	0.400	0.397	0.8	178	0.00
34		Bis(2-ethylhexyl)phthalate	0.400	0.446	-11.5	220	0.00
35	I	Perylene-d12	0.400	0.400	0.0	201	-0.01
36		Indeno(1,2,3-cd)pyrene	0.400	0.431	-7.7	236	-0.02
37		Benzo(b)fluoranthene	0.400	0.381	4.8	194	0.00
38		Benzo(k)fluoranthene	0.400	0.390	2.5	207	0.00
39	C	Benzo(a)pyrene	0.400	0.386	3.5	204	0.00
40		Dibenzo(a,h)anthracene	0.400	0.432	-8.0	241	-0.02
41		Benzo(g,h,i)perylene	0.400	0.403	-0.8	210	-0.01

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

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO15

Lab Code: ACE SDG No.: Q3095

Instrument ID: BNA_N Calibration Date/Time: 09/18/2025 13:16

Lab File ID: BN037774.D Init. Calib. Date(s): 09/11/2025 09/11/2025

EPA Sample No.: SSTDCCC0.4EC Init. Calib. Time(s): 09:56 13:33

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.530	0.506		-4.5	50.0
Fluoranthene-d10	1.004	0.949		-5.5	50.0
2-Fluorophenol	0.918	0.915		-0.3	50.0
Phenol-d6	1.191	1.160		-2.6	50.0
Nitrobenzene-d5	0.293	0.296		1.0	50.0
2-Fluorobiphenyl	1.673	1.646		-1.6	50.0
2,4,6-Tribromophenol	0.104	0.126		21.2	50.0
Terphenyl-d14	0.812	0.758		-6.7	50.0
1,4-Dioxane	0.417	0.425		1.9	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\BN091725\
Data File : BN037774.D
Acq On : 18 Sep 2025 13:16
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Quant Time: Sep 18 13:43:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

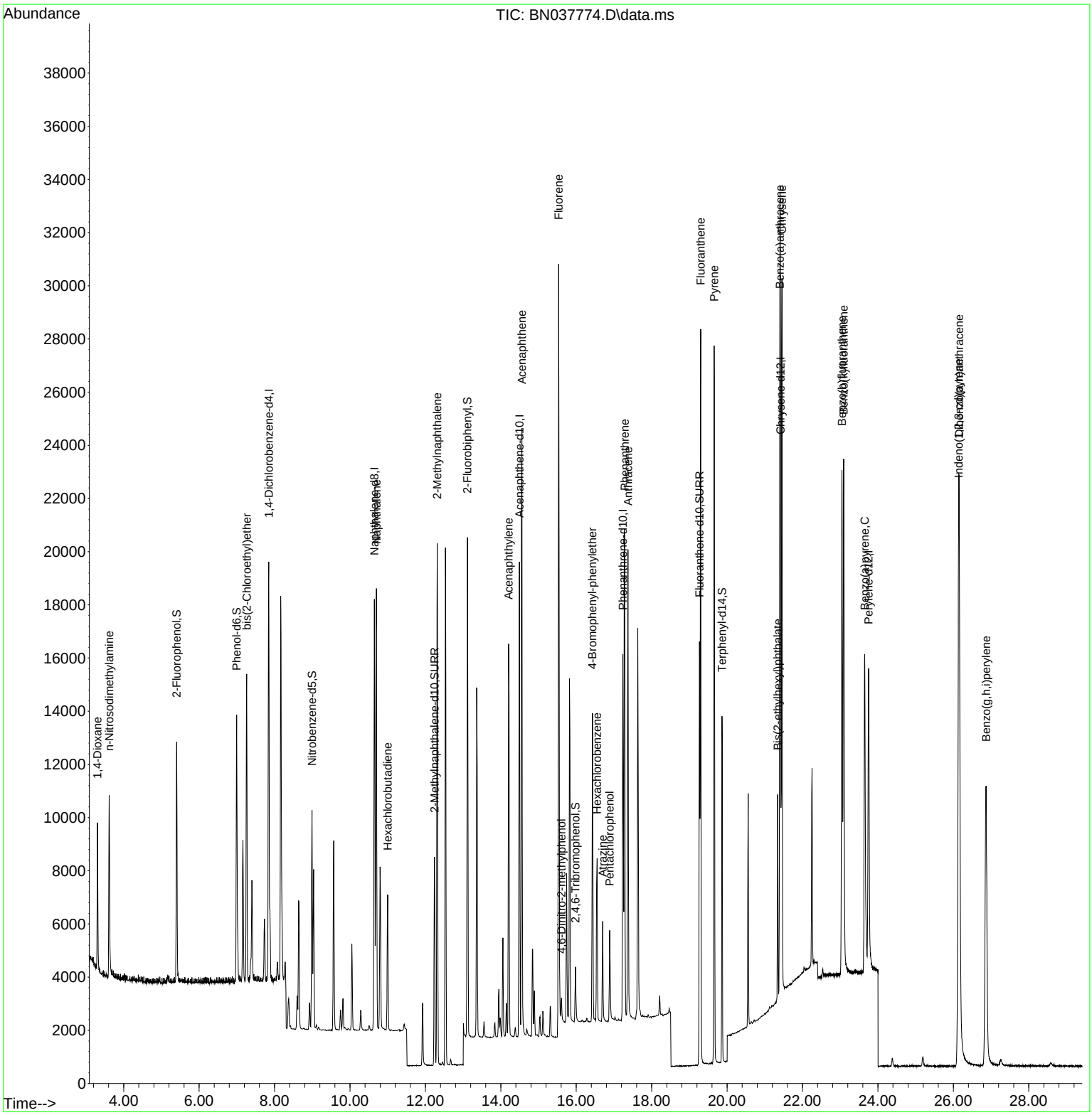
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.847	152	7889	0.400	ng		0.00
7) Naphthalene-d8	10.648	136	20894	0.400	ng		0.00
13) Acenaphthene-d10	14.494	164	9741	0.400	ng		0.00
19) Phenanthrene-d10	17.235	188	18065	0.400	ng		0.00
29) Chrysene-d12	21.420	240	16005	0.400	ng		0.00
35) Perylene-d12	23.753	264	16216	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.406	112	7221	0.399	ng		0.00
5) Phenol-d6	6.995	99	9149	0.390	ng		0.00
8) Nitrobenzene-d5	8.993	82	6183	0.405	ng		0.00
11) 2-Methylnaphthalene-d10	12.243	152	10579	0.382	ng		0.00
14) 2,4,6-Tribromophenol	15.982	330	1232	0.485	ng		0.00
15) 2-Fluorobiphenyl	13.115	172	16033	0.394	ng		0.00
27) Fluoranthene-d10	19.266	212	17138	0.378	ng		0.00
31) Terphenyl-d14	19.866	244	12130	0.373	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.304	88	3351	0.408	ng		96
3) n-Nitrosodimethylamine	3.615	42	4085	0.381	ng		91
6) bis(2-Chloroethyl)ether	7.262	93	8348	0.398	ng		98
9) Naphthalene	10.701	128	22536	0.395	ng		100
10) Hexachlorobutadiene	11.000	225	4013	0.388	ng	#	99
12) 2-Methylnaphthalene	12.314	142	13704	0.388	ng		99
16) Acenaphthylene	14.206	152	16996	0.380	ng		99
17) Acenaphthene	14.559	154	11822	0.391	ng		99
18) Fluorene	15.535	166	14211	0.388	ng		100
20) 4,6-Dinitro-2-methylph...	15.609	198	668	0.399	ng		89
21) 4-Bromophenyl-phenylether	16.429	248	4506	0.383	ng	#	69
22) Hexachlorobenzene	16.553	284	5415	0.400	ng		98
23) Atrazine	16.702	200	2912	0.389	ng		98
24) Pentachlorophenol	16.888	266	1796	0.457	ng		97
25) Phenanthrene	17.285	178	22453	0.395	ng		100
26) Anthracene	17.372	178	19091	0.379	ng		99
28) Fluoranthene	19.299	202	24335	0.390	ng		100
30) Pyrene	19.657	202	24230	0.387	ng		100
32) Benzo(a)anthracene	21.402	228	21339	0.382	ng		99
33) Chrysene	21.456	228	23785	0.397	ng		99
34) Bis(2-ethylhexyl)phtha...	21.339	149	7017	0.424	ng		98
36) Indeno(1,2,3-cd)pyrene	26.139	276	29869	0.438	ng		100
37) Benzo(b)fluoranthene	23.046	252	24782	0.388	ng		98
38) Benzo(k)fluoranthene	23.092	252	26275	0.404	ng		99
39) Benzo(a)pyrene	23.648	252	19411	0.380	ng		98
40) Dibenzo(a,h)anthracene	26.153	278	24050	0.442	ng		97
41) Benzo(g,h,i)perylene	26.867	276	24546	0.402	ng		98

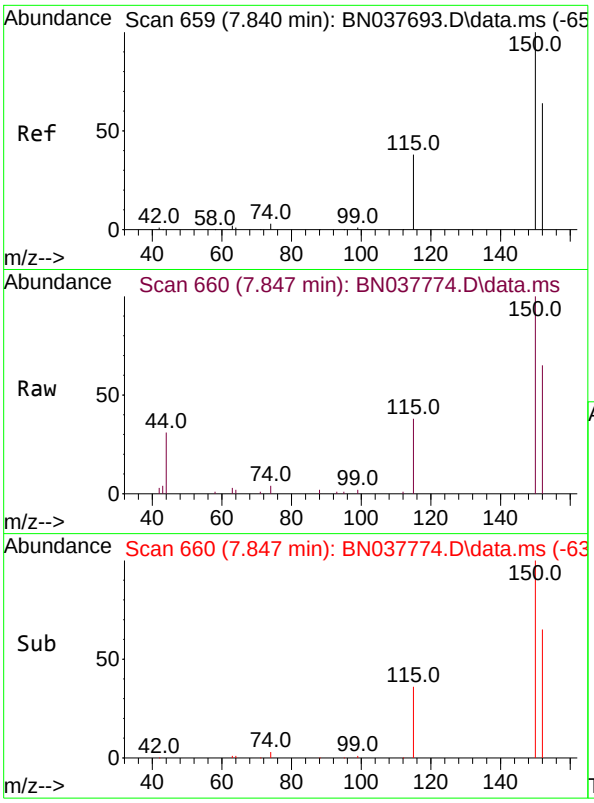
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091725\
Data File : BN037774.D
Acq On : 18 Sep 2025 13:16
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Quant Time: Sep 18 13:43:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration



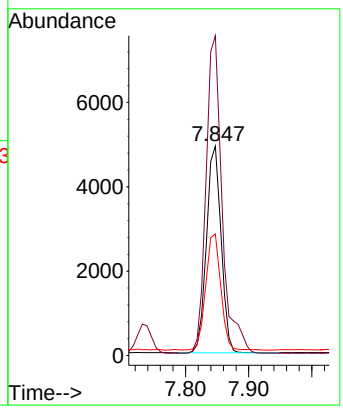


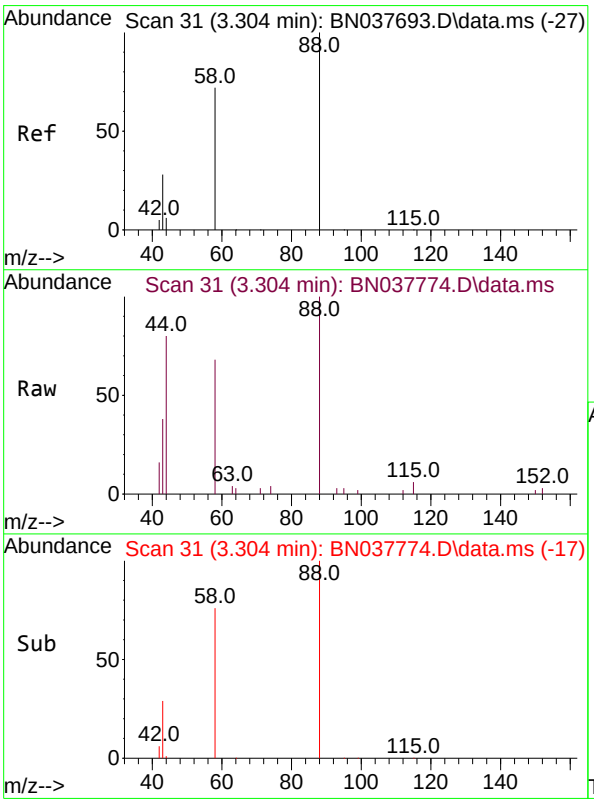
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.847 min Scan# 6
Delta R.T. 0.007 min
Lab File: BN037774.D
Acq: 18 Sep 2025 13:16

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 7889

Ion	Ratio	Lower	Upper
152	100		
150	152.7	124.5	186.7
115	58.1	49.2	73.8

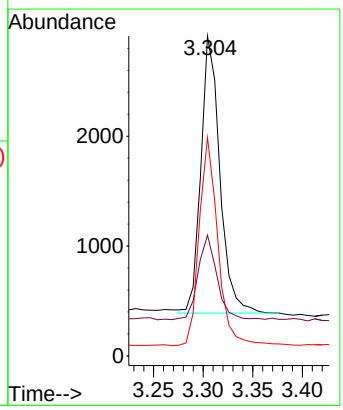


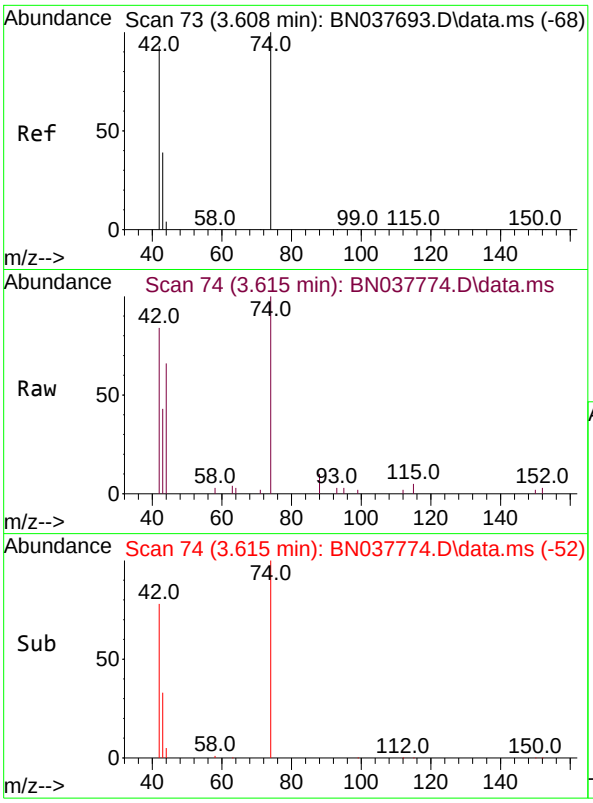


#2
1,4-Dioxane
Concen: 0.408 ng
RT: 3.304 min Scan# 31
Delta R.T. -0.000 min
Lab File: BN037774.D
Acq: 18 Sep 2025 13:16

Tgt Ion: 88 Resp: 3351

Ion	Ratio	Lower	Upper
88	100		
43	30.6	26.8	40.2
58	74.3	61.9	92.9



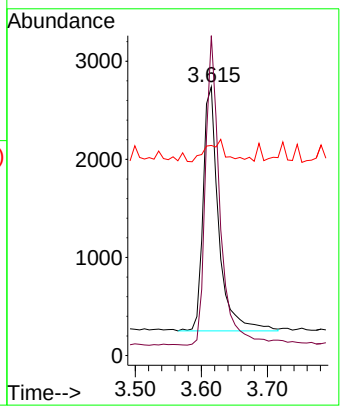


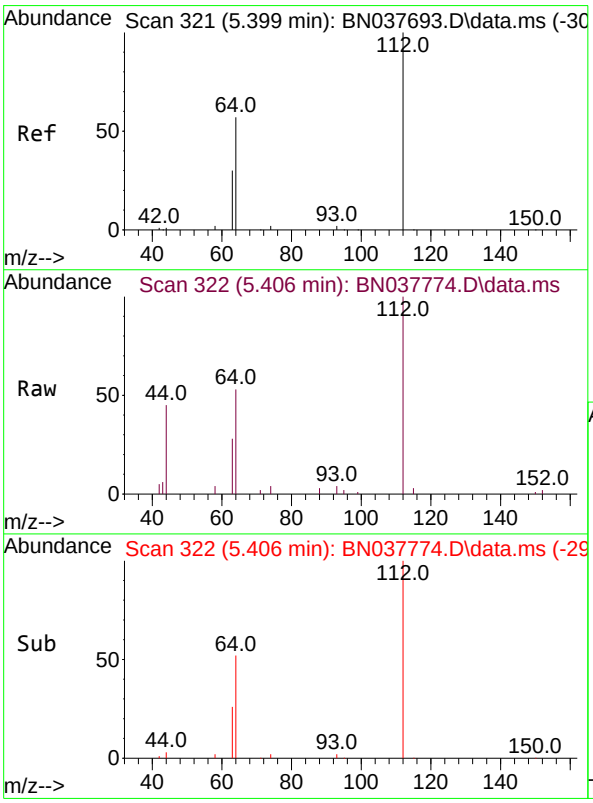
#3
n-Nitrosodimethylamine
Concen: 0.381 ng
RT: 3.615 min Scan# 74
Delta R.T. 0.007 min
Lab File: BN037774.D
Acq: 18 Sep 2025 13:16

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 42 Resp: 4085

Ion	Ratio	Lower	Upper
42	100		
74	118.1	86.0	129.0
44	11.0	8.4	12.6

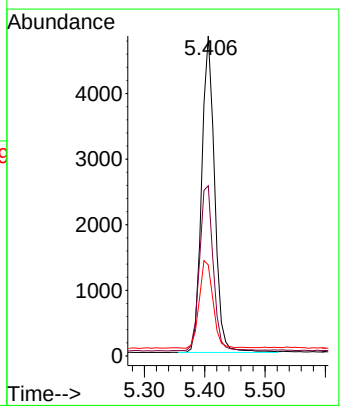


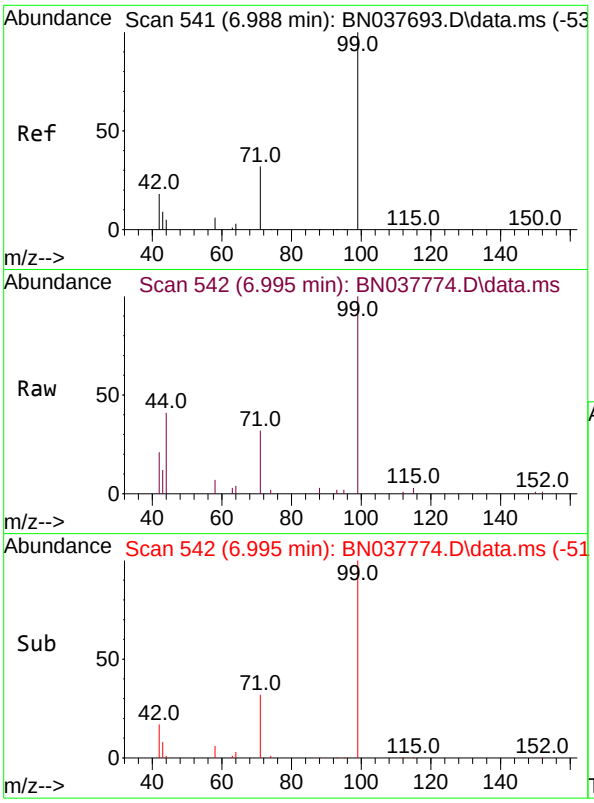


#4
2-Fluorophenol
Concen: 0.399 ng
RT: 5.406 min Scan# 322
Delta R.T. 0.007 min
Lab File: BN037774.D
Acq: 18 Sep 2025 13:16

Tgt Ion:112 Resp: 7221

Ion	Ratio	Lower	Upper
112	100		
64	55.2	44.9	67.3
63	29.2	24.7	37.1



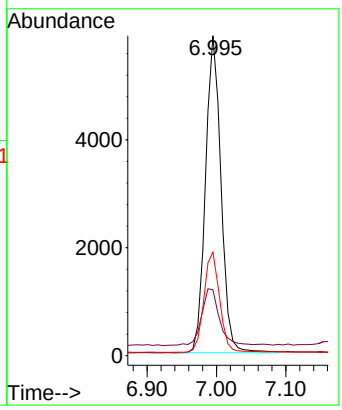


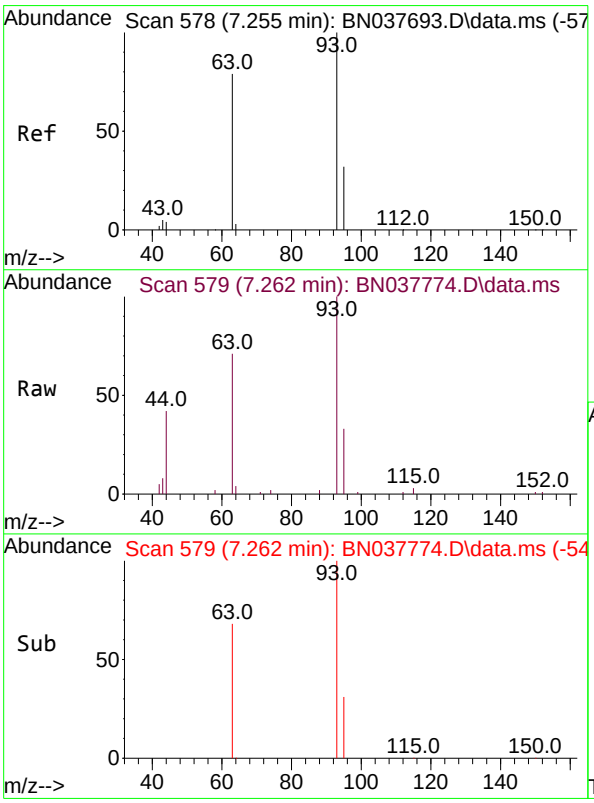
#5
Phenol-d6
Concen: 0.390 ng
RT: 6.995 min Scan# 54
Delta R.T. 0.007 min
Lab File: BN037774.D
Acq: 18 Sep 2025 13:16

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 99 Resp: 9149

Ion	Ratio	Lower	Upper
99	100		
42	20.7	16.6	24.8
71	32.0	26.7	40.1

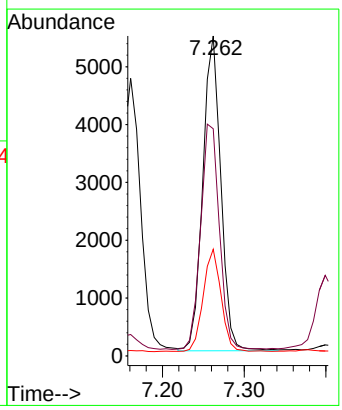


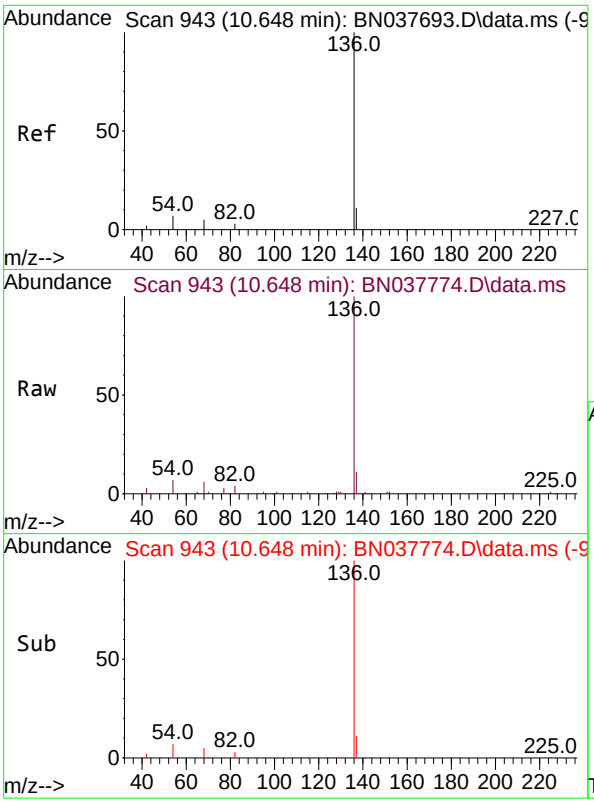


#6
bis(2-Chloroethyl)ether
Concen: 0.398 ng
RT: 7.262 min Scan# 579
Delta R.T. 0.007 min
Lab File: BN037774.D
Acq: 18 Sep 2025 13:16

Tgt Ion: 93 Resp: 8348

Ion	Ratio	Lower	Upper
93	100		
63	74.1	60.6	90.8
95	32.0	26.0	39.0



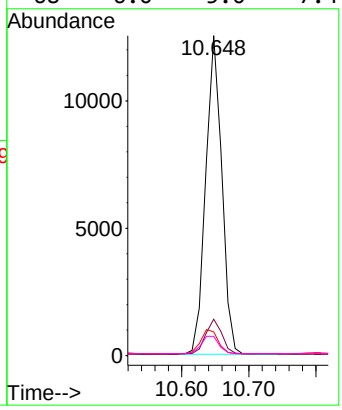


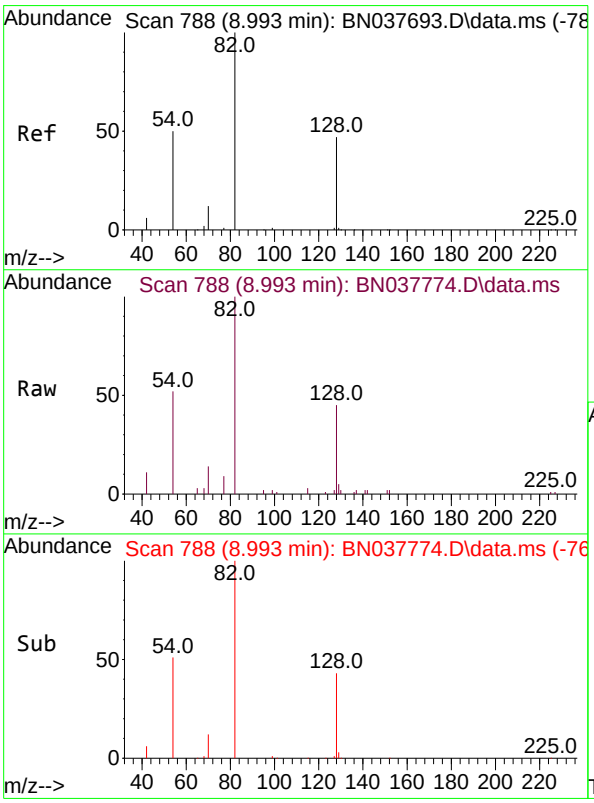
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.648 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN037774.D
Acq: 18 Sep 2025 13:16

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:136 Resp: 20894

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	7.4	6.3	9.5
68	6.0	5.0	7.4

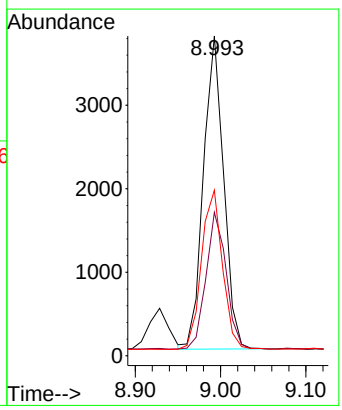


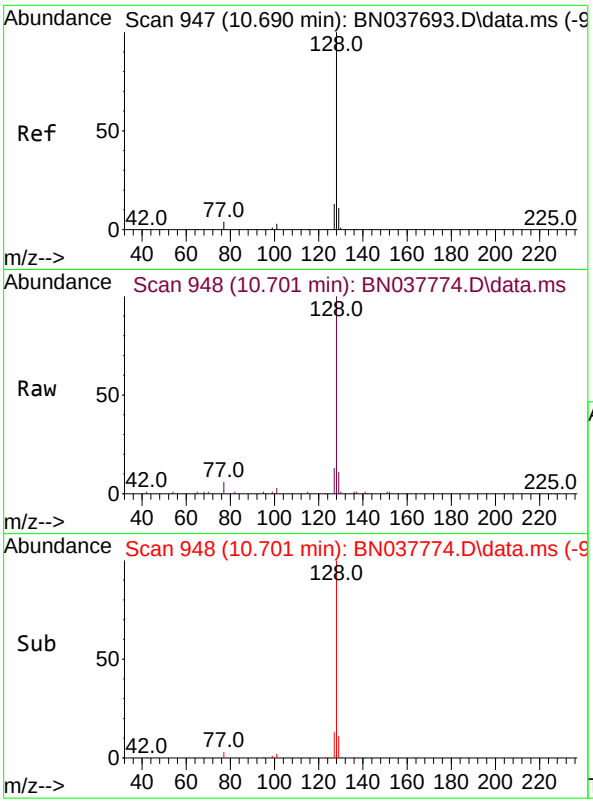


#8
Nitrobenzene-d5
Concen: 0.405 ng
RT: 8.993 min Scan# 788
Delta R.T. -0.000 min
Lab File: BN037774.D
Acq: 18 Sep 2025 13:16

Tgt Ion: 82 Resp: 6183

Ion	Ratio	Lower	Upper
82	100		
128	44.9	38.3	57.5
54	51.8	41.4	62.2



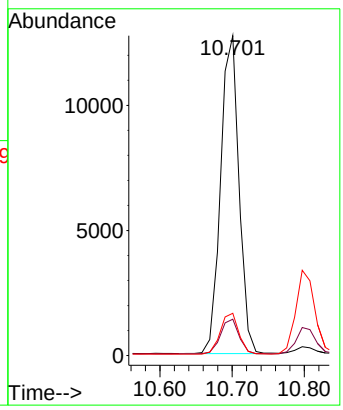


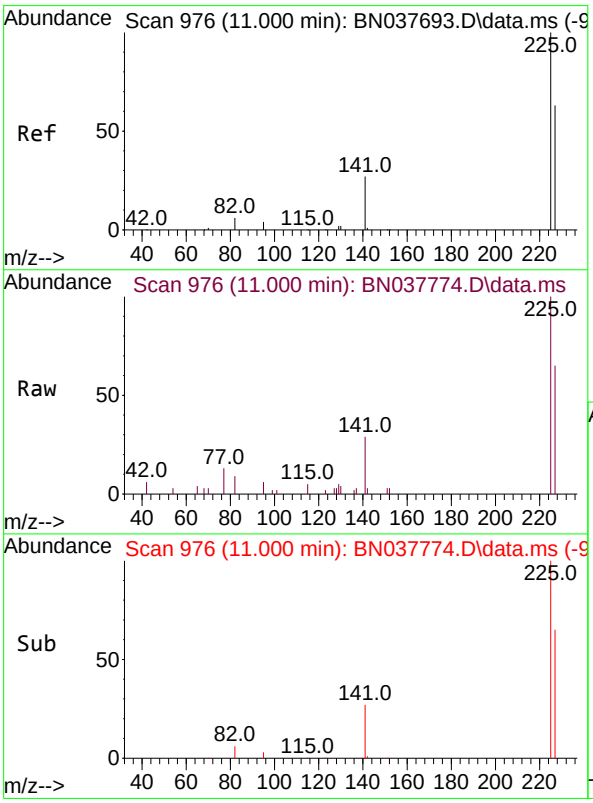
#9
Naphthalene
Concen: 0.395 ng
RT: 10.701 min Scan# 94
Delta R.T. 0.011 min
Lab File: BN037774.D
Acq: 18 Sep 2025 13:16

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:128 Resp: 22536

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.1	13.7
127	13.2	10.9	16.3

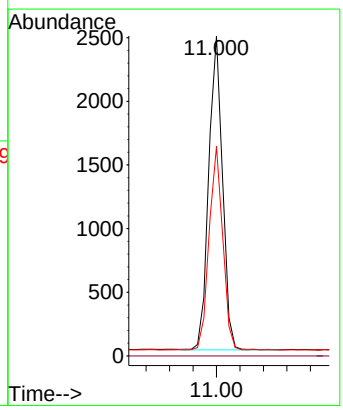


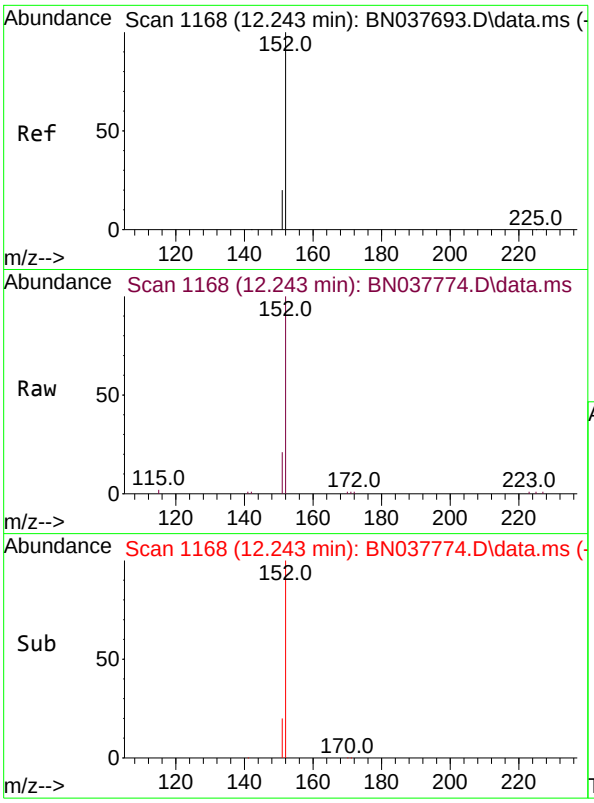


#10
Hexachlorobutadiene
Concen: 0.388 ng
RT: 11.000 min Scan# 976
Delta R.T. -0.000 min
Lab File: BN037774.D
Acq: 18 Sep 2025 13:16

Tgt Ion:225 Resp: 4013

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.4	50.9	76.3



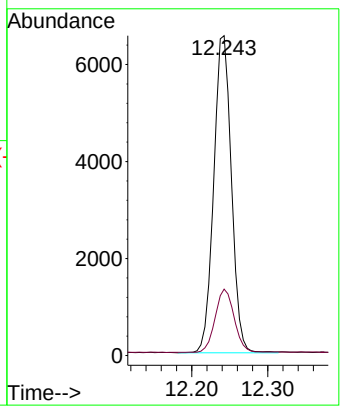


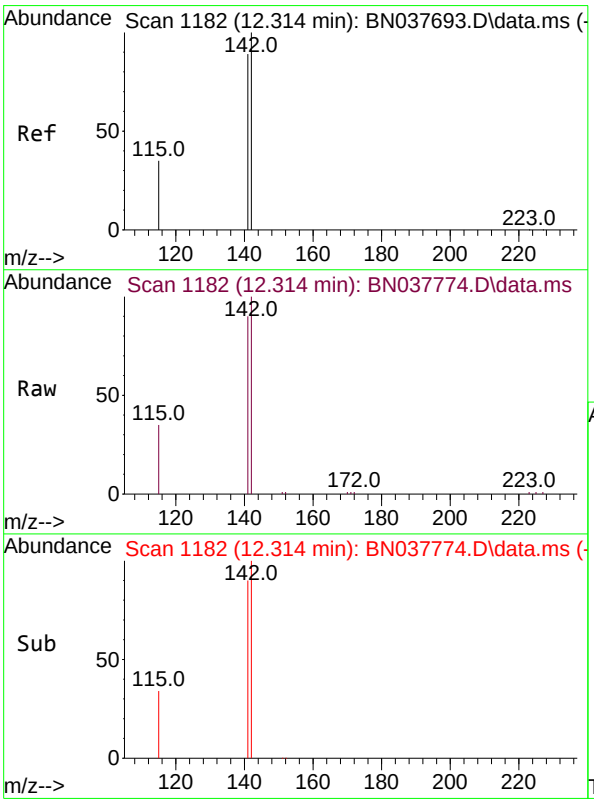
#11
2-Methylnaphthalene-d10
Concen: 0.382 ng
RT: 12.243 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN037774.D
Acq: 18 Sep 2025 13:16

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 10579

Ion	Ratio	Lower	Upper
152	100		
151	21.4	17.0	25.6

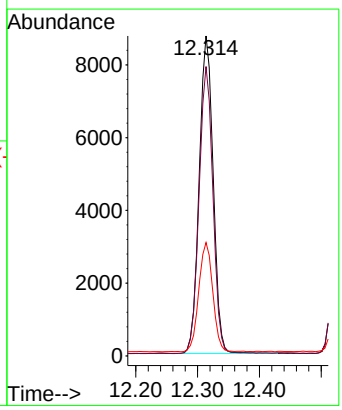


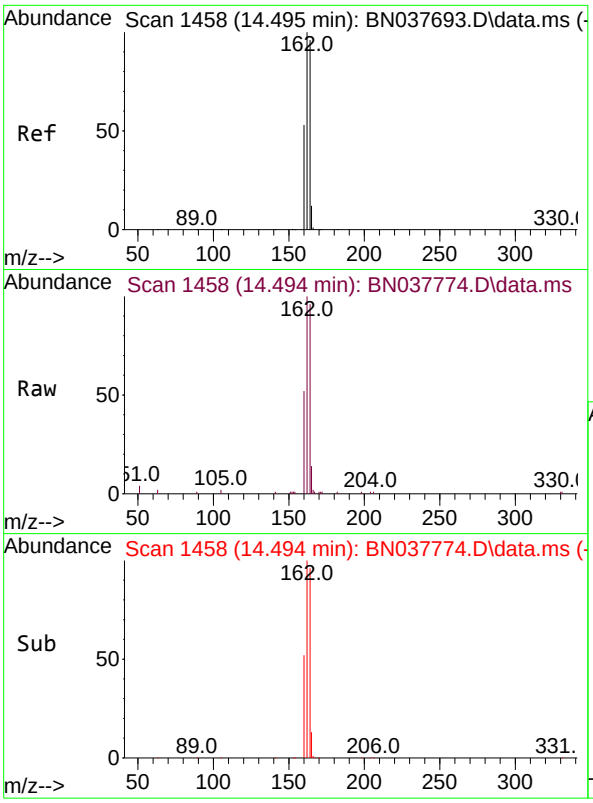


#12
2-Methylnaphthalene
Concen: 0.388 ng
RT: 12.314 min Scan# 1182
Delta R.T. -0.000 min
Lab File: BN037774.D
Acq: 18 Sep 2025 13:16

Tgt Ion:142 Resp: 13704

Ion	Ratio	Lower	Upper
142	100		
141	90.4	71.6	107.4
115	35.4	28.6	43.0



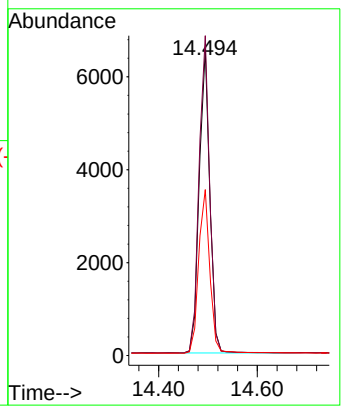


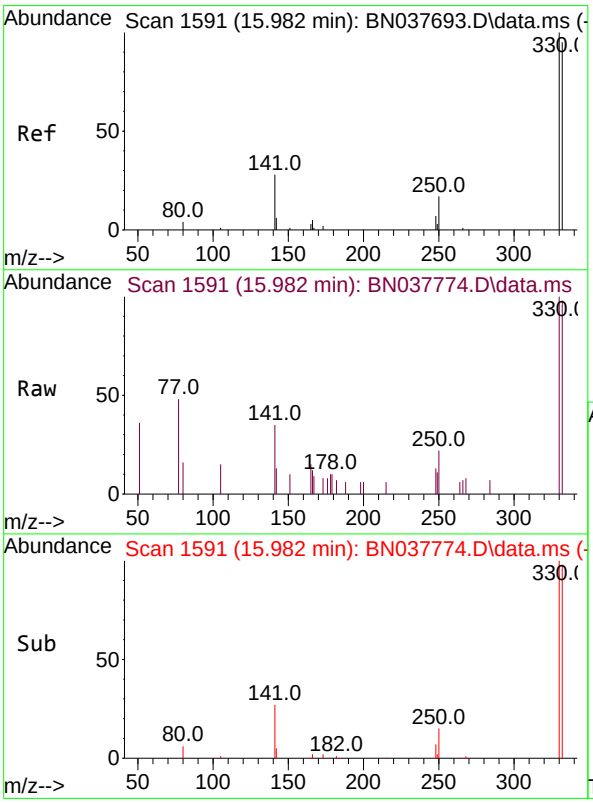
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.494 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN037774.D
Acq: 18 Sep 2025 13:16

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:164 Resp: 9741

Ion	Ratio	Lower	Upper
164	100		
162	104.5	83.1	124.7
160	54.2	44.3	66.5

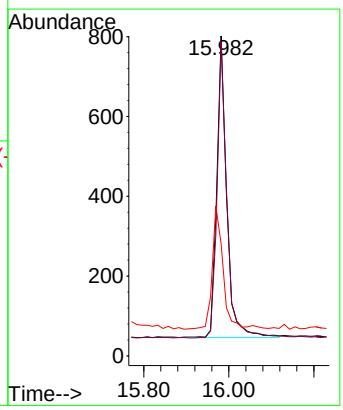


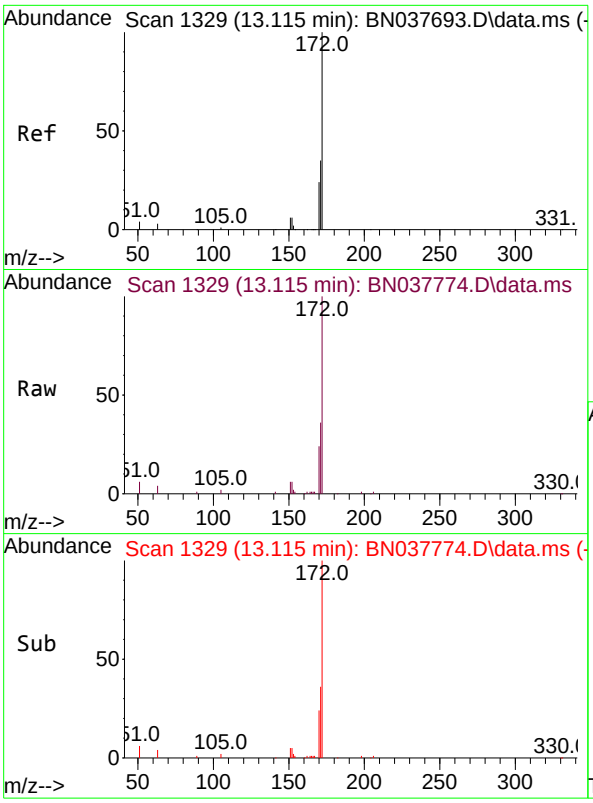


#14
2,4,6-Tribromophenol
Concen: 0.485 ng
RT: 15.982 min Scan# 1591
Delta R.T. -0.000 min
Lab File: BN037774.D
Acq: 18 Sep 2025 13:16

Tgt Ion:330 Resp: 1232

Ion	Ratio	Lower	Upper
330	100		
332	97.6	75.3	112.9
141	43.4	35.0	52.4



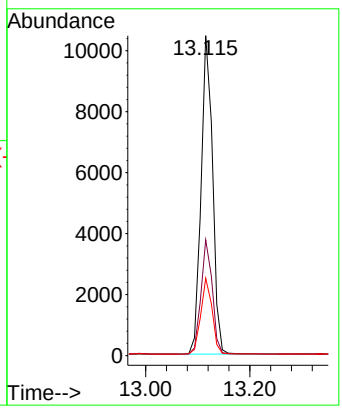


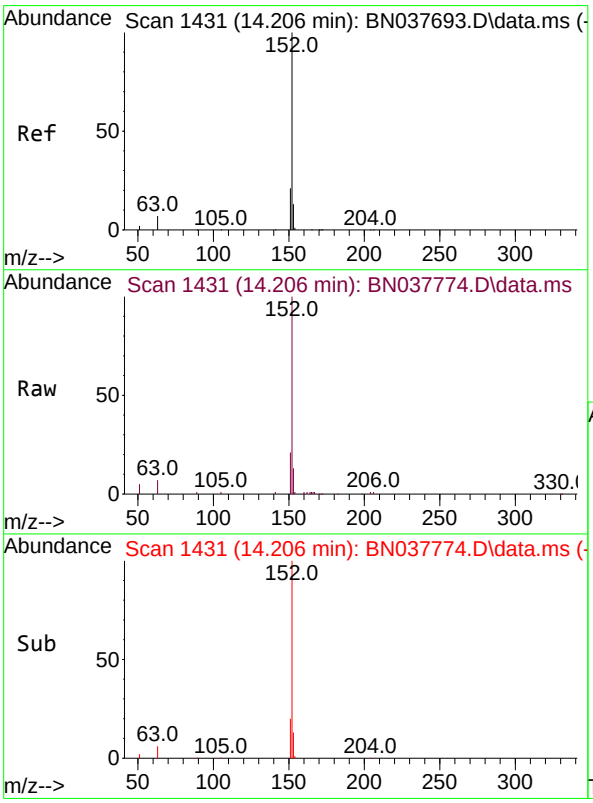
#15
2-Fluorobiphenyl
Concen: 0.394 ng
RT: 13.115 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037774.D
Acq: 18 Sep 2025 13:16

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:172 Resp: 16033

Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.6	43.0
170	24.2	19.8	29.8

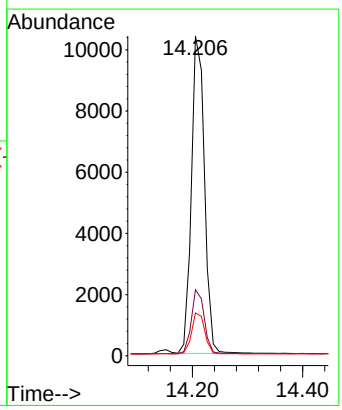


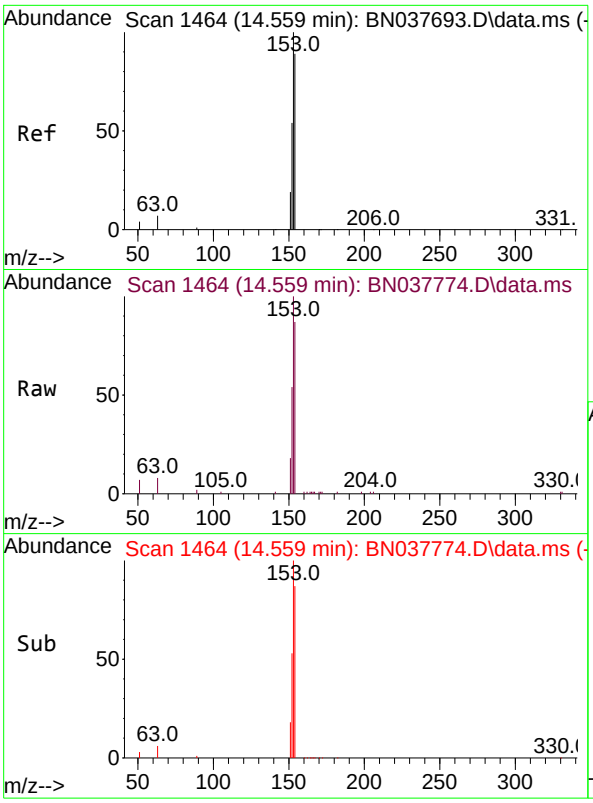


#16
Acenaphthylene
Concen: 0.380 ng
RT: 14.206 min Scan# 1431
Delta R.T. -0.000 min
Lab File: BN037774.D
Acq: 18 Sep 2025 13:16

Tgt Ion:152 Resp: 16996

Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.2	24.2
153	13.2	10.4	15.6



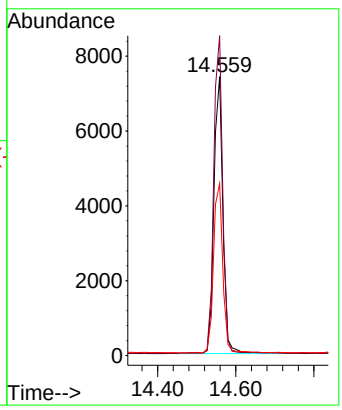


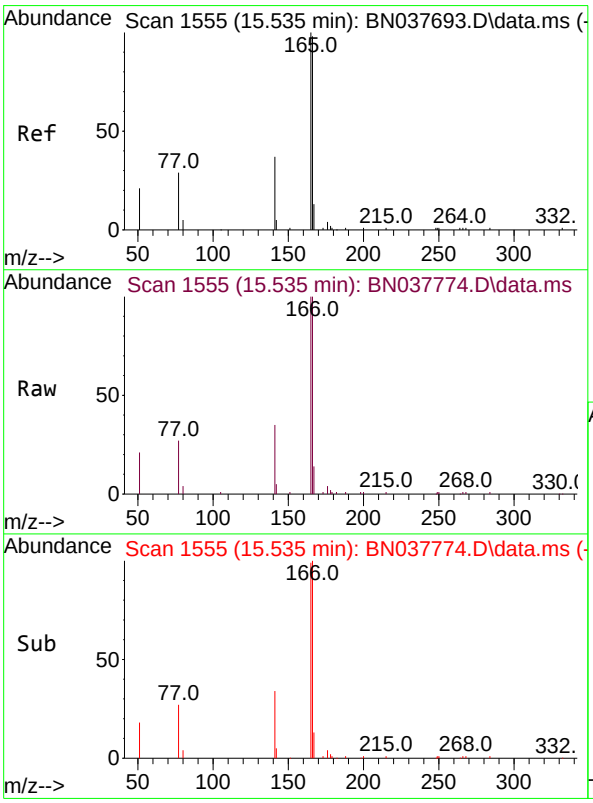
#17
Acenaphthene
Concen: 0.391 ng
RT: 14.559 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN037774.D
Acq: 18 Sep 2025 13:16

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:154 Resp: 11822

Ion	Ratio	Lower	Upper
154	100		
153	113.9	89.8	134.8
152	63.1	50.2	75.2

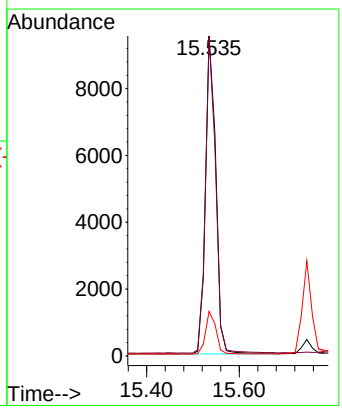


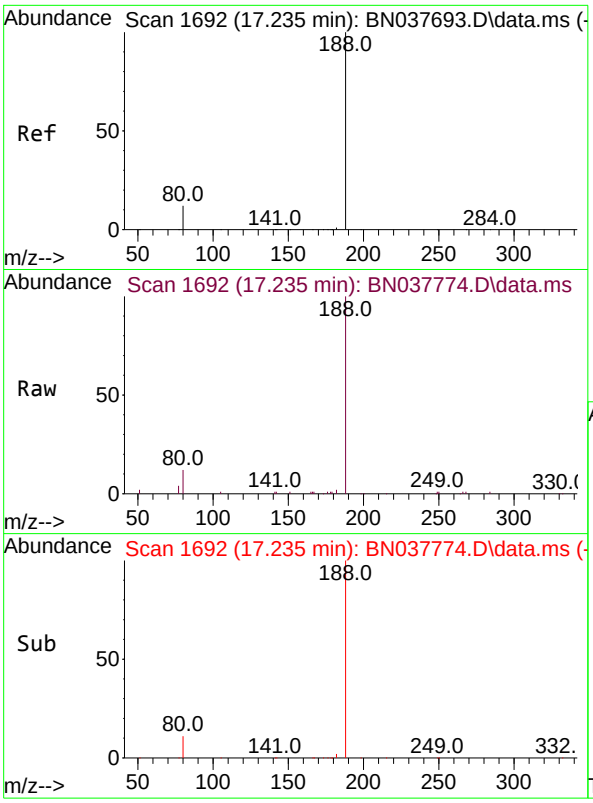


#18
Fluorene
Concen: 0.388 ng
RT: 15.535 min Scan# 1555
Delta R.T. -0.000 min
Lab File: BN037774.D
Acq: 18 Sep 2025 13:16

Tgt Ion:166 Resp: 14211

Ion	Ratio	Lower	Upper
166	100		
165	99.7	79.6	119.4
167	13.7	10.6	16.0



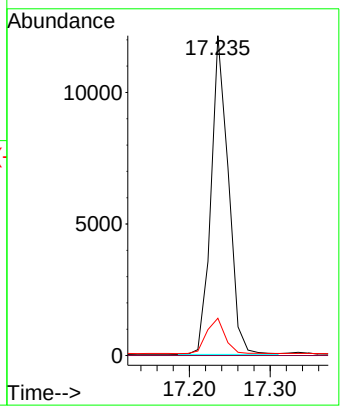


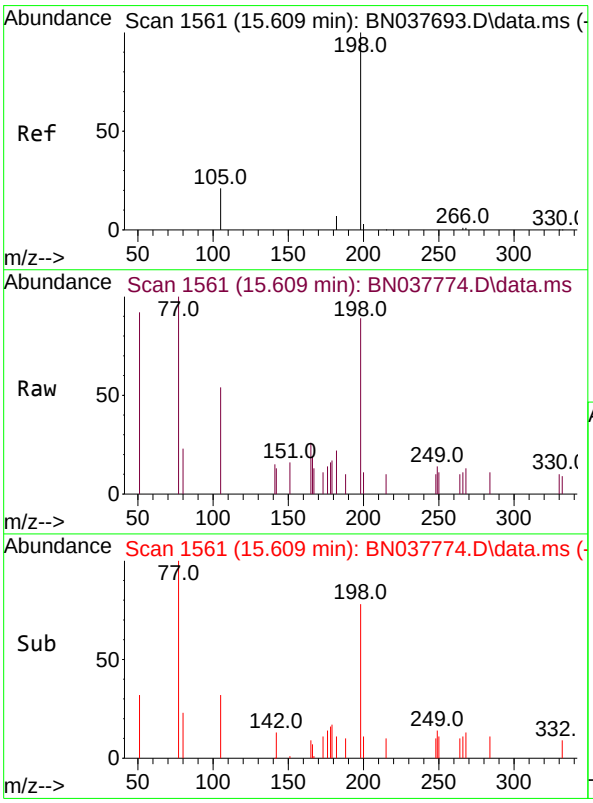
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.235 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037774.D
Acq: 18 Sep 2025 13:16

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:188 Resp: 18065

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.7	10.6	15.8

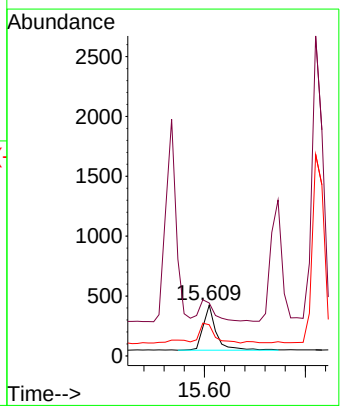


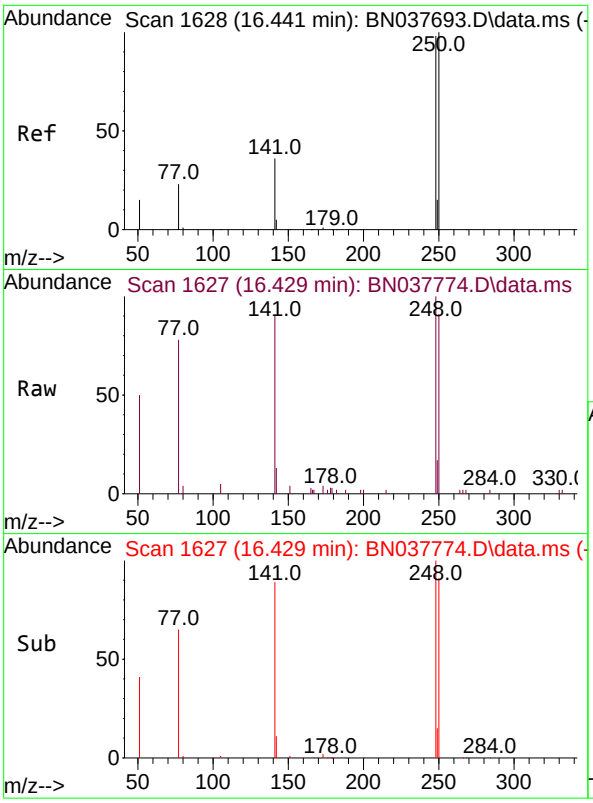


#20
4,6-Dinitro-2-methylphenol
Concen: 0.399 ng
RT: 15.609 min Scan# 1561
Delta R.T. 0.000 min
Lab File: BN037774.D
Acq: 18 Sep 2025 13:16

Tgt Ion:198 Resp: 668

Ion	Ratio	Lower	Upper
198	100		
51	104.0	95.1	142.7
105	61.2	53.8	80.6



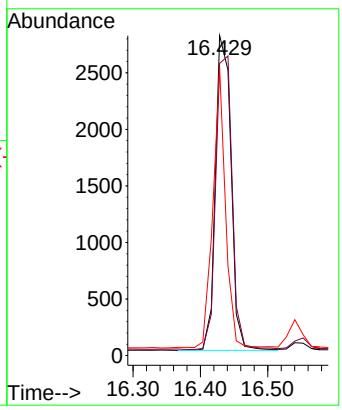


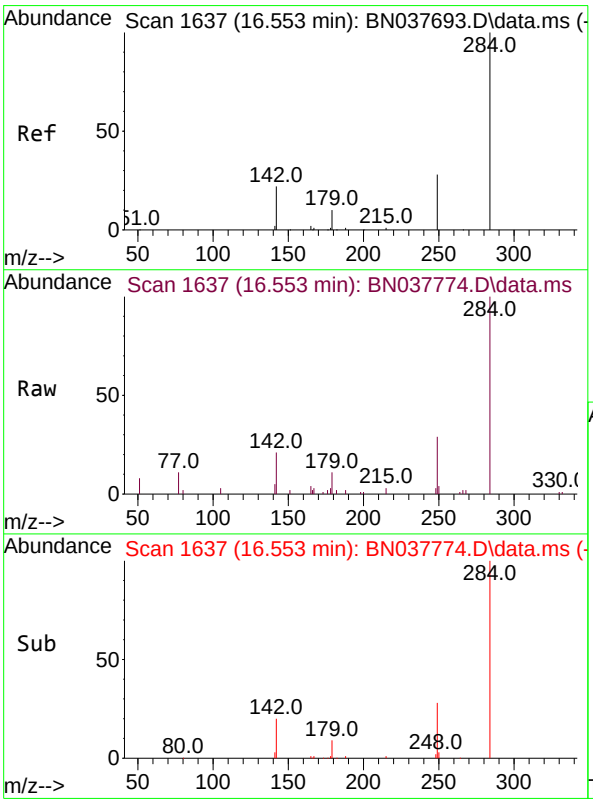
#21
4-Bromophenyl-phenylether
Concen: 0.383 ng
RT: 16.429 min Scan# 1
Delta R.T. -0.013 min
Lab File: BN037774.D
Acq: 18 Sep 2025 13:16

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:248 Resp: 4506

Ion	Ratio	Lower	Upper
248	100		
250	91.3	81.5	122.3
141	90.0	30.8	46.2#

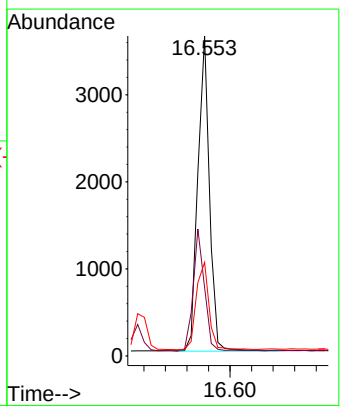


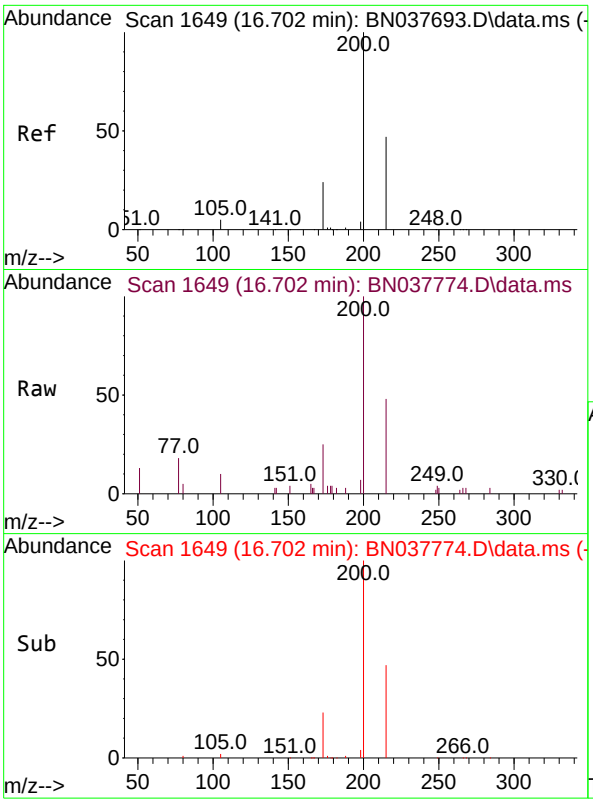


#22
Hexachlorobenzene
Concen: 0.400 ng
RT: 16.553 min Scan# 1637
Delta R.T. -0.000 min
Lab File: BN037774.D
Acq: 18 Sep 2025 13:16

Tgt Ion:284 Resp: 5415

Ion	Ratio	Lower	Upper
284	100		
142	37.4	30.9	46.3
249	30.2	24.8	37.2



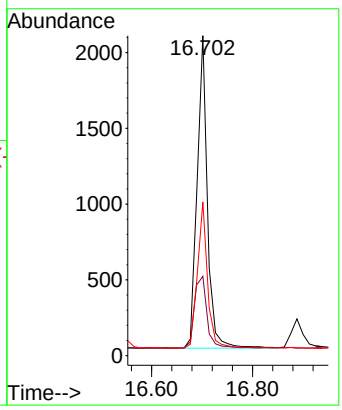


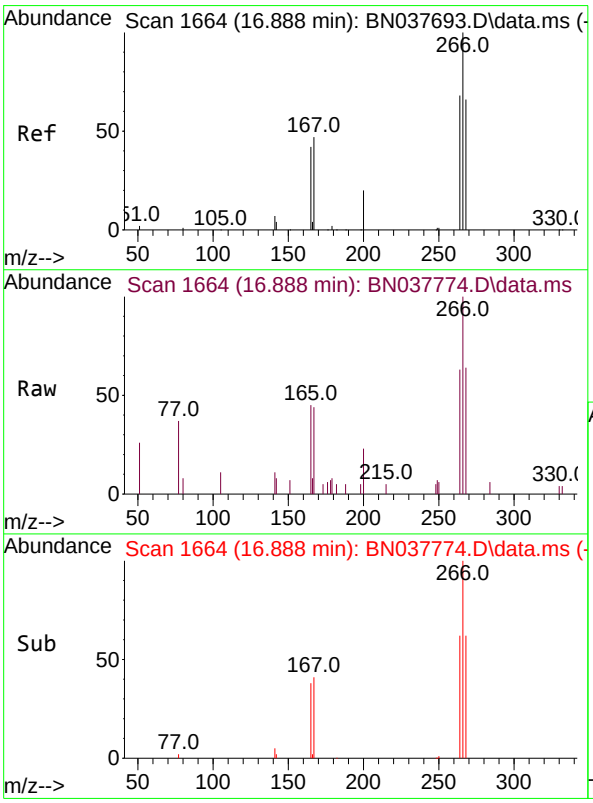
#23
Atrazine
Concen: 0.389 ng
RT: 16.702 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037774.D
Acq: 18 Sep 2025 13:16

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:200 Resp: 2912

Ion	Ratio	Lower	Upper
200	100		
173	24.8	21.4	32.2
215	48.0	39.2	58.8

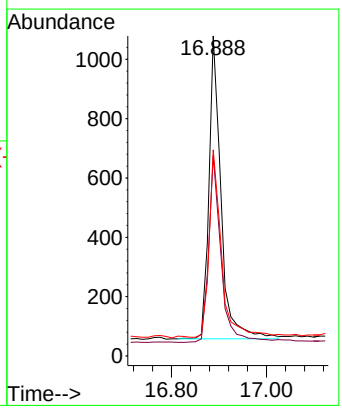


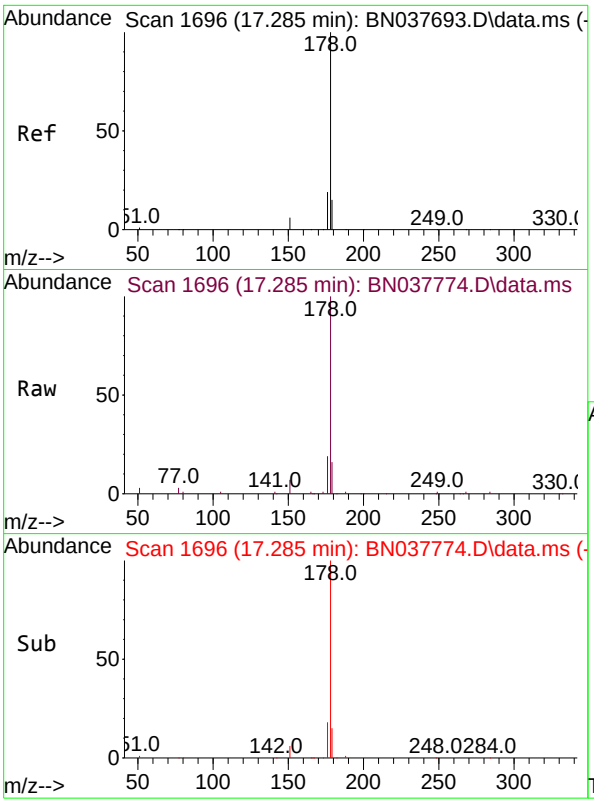


#24
Pentachlorophenol
Concen: 0.457 ng
RT: 16.888 min Scan# 1664
Delta R.T. -0.000 min
Lab File: BN037774.D
Acq: 18 Sep 2025 13:16

Tgt Ion:266 Resp: 1796

Ion	Ratio	Lower	Upper
266	100		
264	63.0	51.6	77.4
268	63.9	53.2	79.8



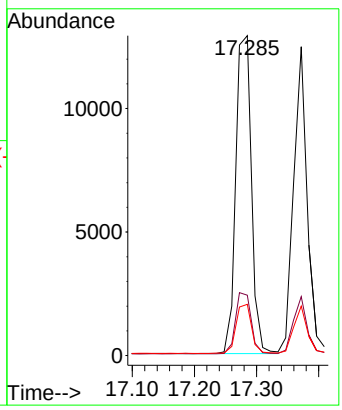


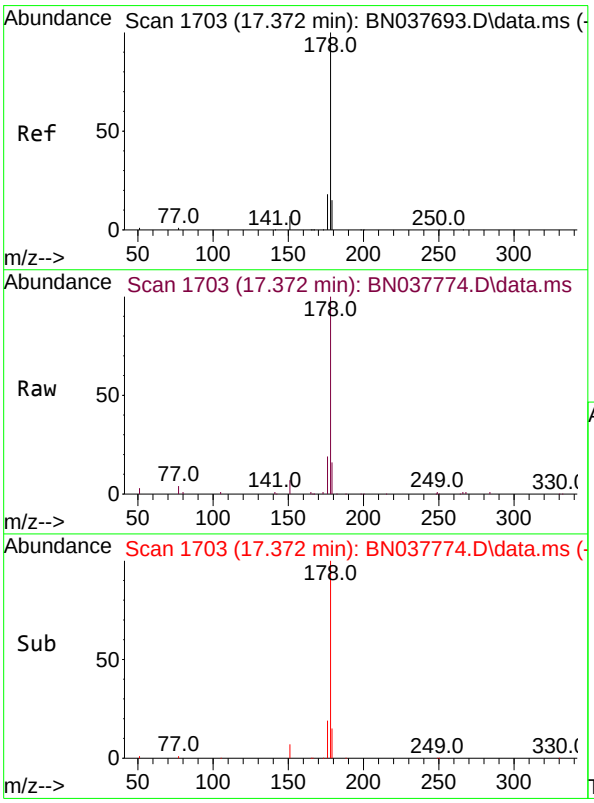
#25
Phenanthrene
Concen: 0.395 ng
RT: 17.285 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037774.D
Acq: 18 Sep 2025 13:16

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:178 Resp: 22453

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.4	12.2	18.2

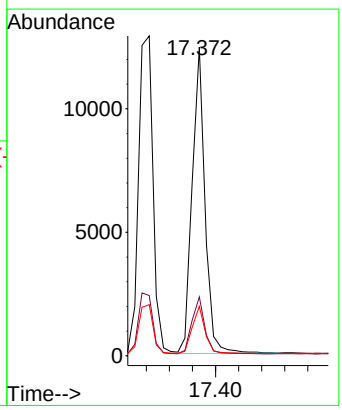


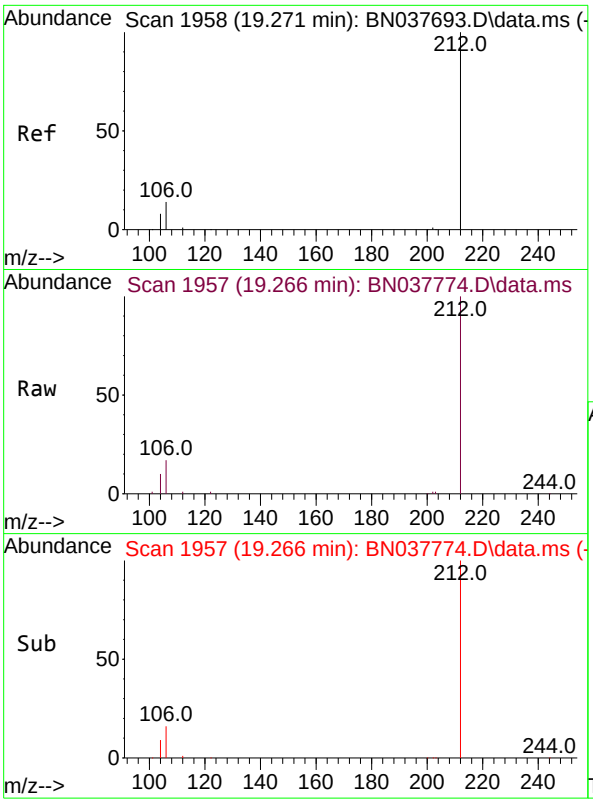


#26
Anthracene
Concen: 0.379 ng
RT: 17.372 min Scan# 1703
Delta R.T. -0.000 min
Lab File: BN037774.D
Acq: 18 Sep 2025 13:16

Tgt Ion:178 Resp: 19091

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.6	22.0
179	15.4	12.2	18.4



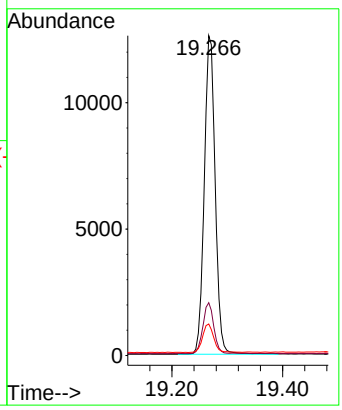


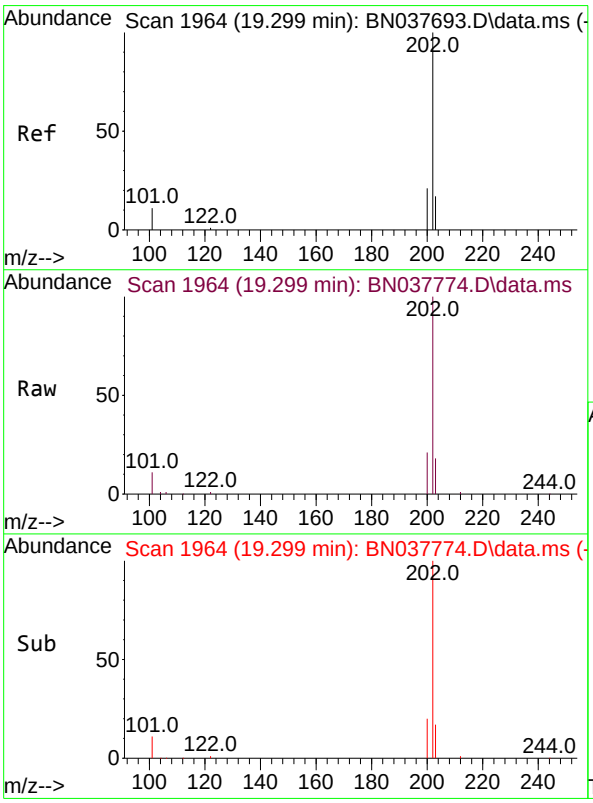
#27
Fluoranthene-d10
Concen: 0.378 ng
RT: 19.266 min Scan# 19
Delta R.T. -0.005 min
Lab File: BN037774.D
Acq: 18 Sep 2025 13:16

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:212 Resp: 17138

Ion	Ratio	Lower	Upper
212	100		
106	15.7	12.2	18.2
104	9.2	6.9	10.3

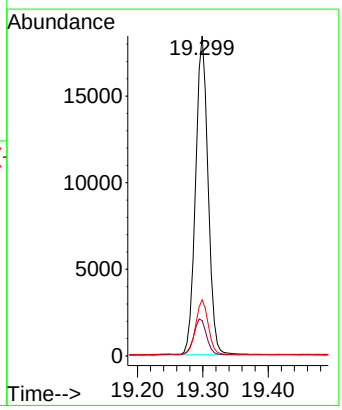


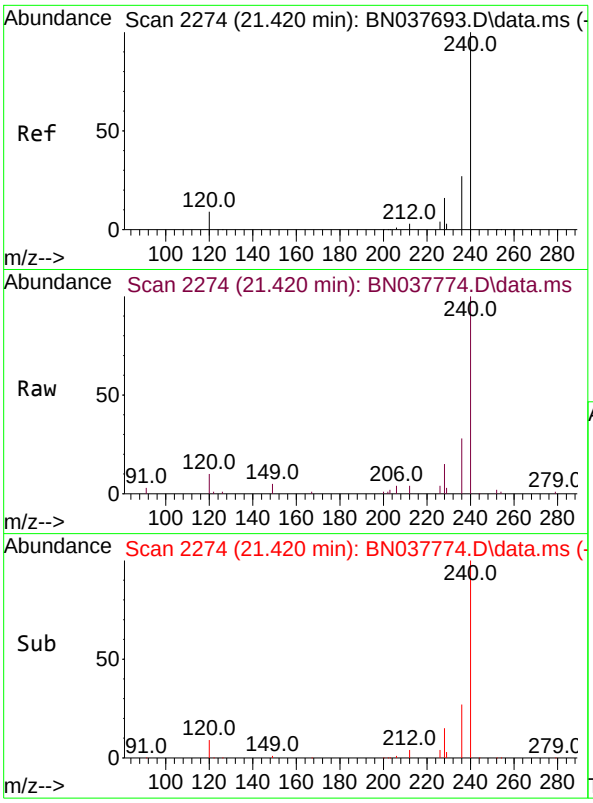


#28
Fluoranthene
Concen: 0.390 ng
RT: 19.299 min Scan# 1964
Delta R.T. -0.000 min
Lab File: BN037774.D
Acq: 18 Sep 2025 13:16

Tgt Ion:202 Resp: 24335

Ion	Ratio	Lower	Upper
202	100		
101	11.7	9.3	13.9
203	17.1	13.7	20.5



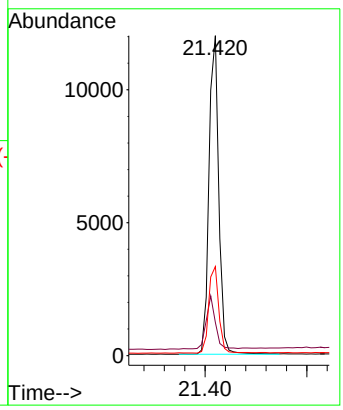


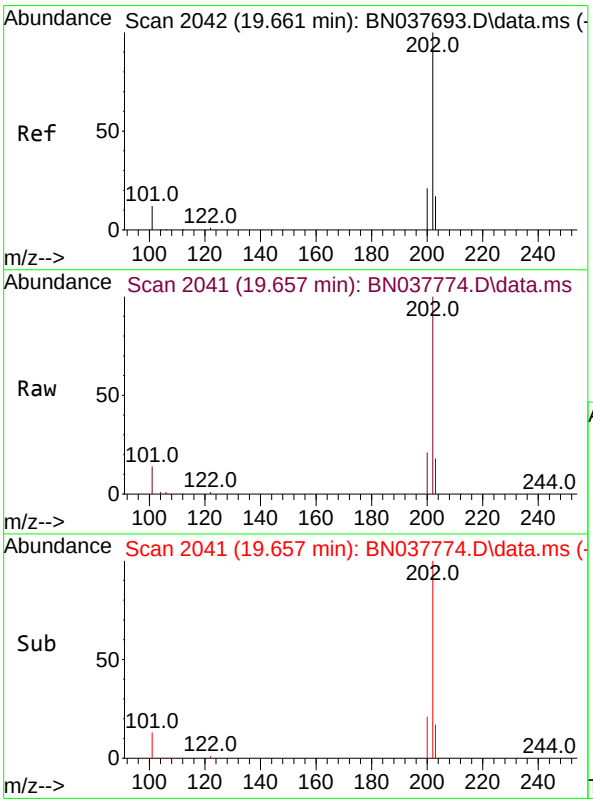
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.420 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN037774.D
Acq: 18 Sep 2025 13:16

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:240 Resp: 16005

Ion	Ratio	Lower	Upper
240	100		
120	10.4	9.2	13.8
236	27.8	22.6	33.8

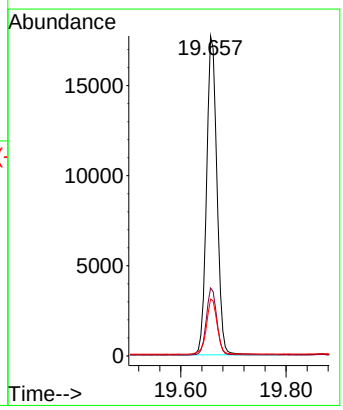


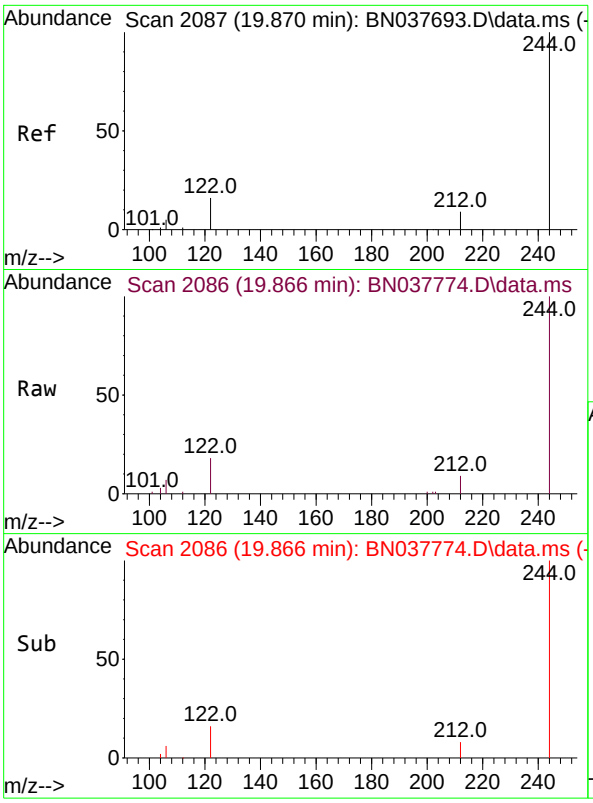


#30
Pyrene
Concen: 0.387 ng
RT: 19.657 min Scan# 2041
Delta R.T. -0.005 min
Lab File: BN037774.D
Acq: 18 Sep 2025 13:16

Tgt Ion:202 Resp: 24230

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.8	25.2
203	17.7	14.3	21.5



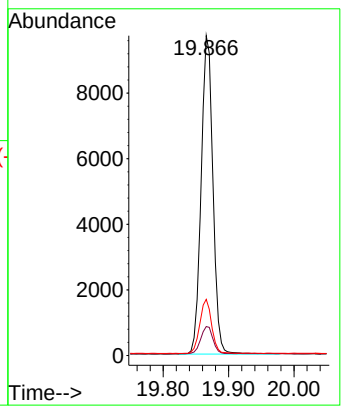


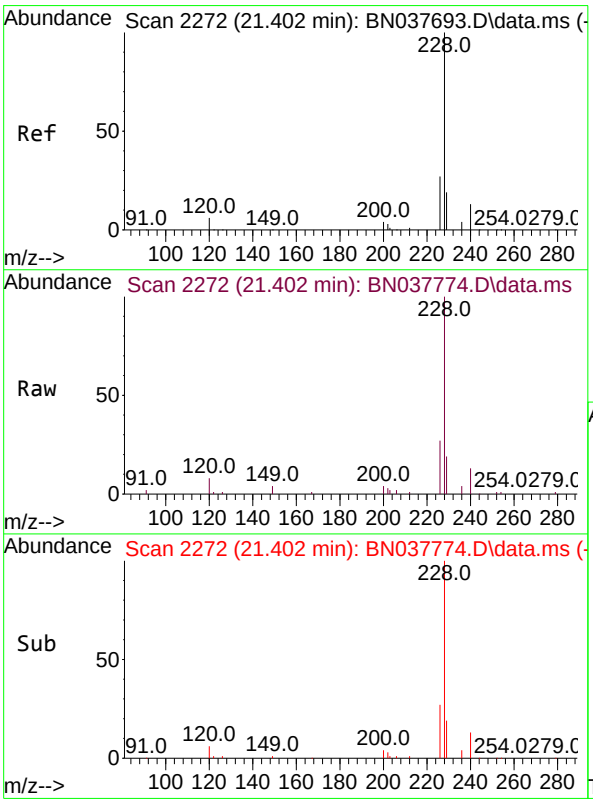
#31
Terphenyl-d14
Concen: 0.373 ng
RT: 19.866 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN037774.D
Acq: 18 Sep 2025 13:16

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:244 Resp: 12130

Ion	Ratio	Lower	Upper
244	100		
212	9.1	7.5	11.3
122	17.6	13.2	19.8

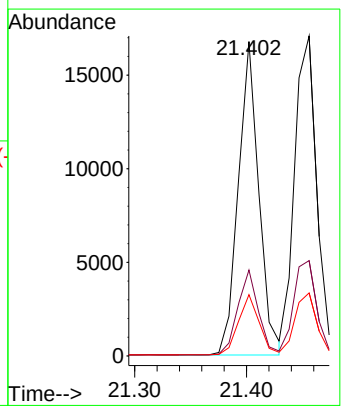


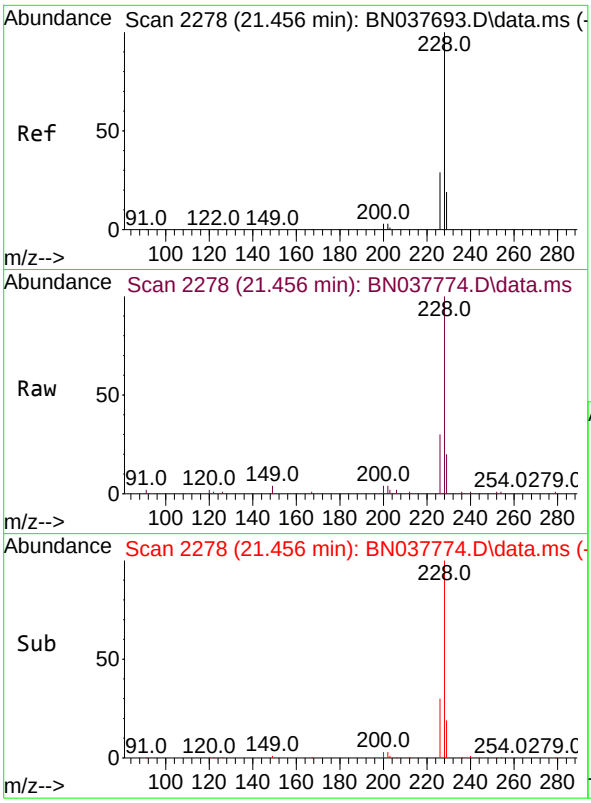


#32
Benzo(a)anthracene
Concen: 0.382 ng
RT: 21.402 min Scan# 2272
Delta R.T. -0.000 min
Lab File: BN037774.D
Acq: 18 Sep 2025 13:16

Tgt Ion:228 Resp: 21339

Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.2	33.2
229	19.5	15.8	23.6



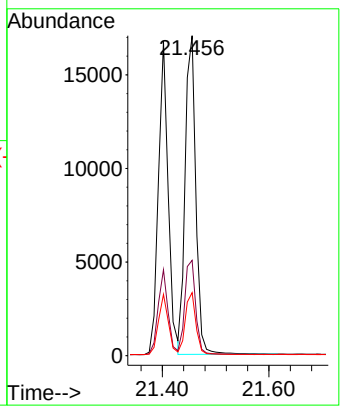


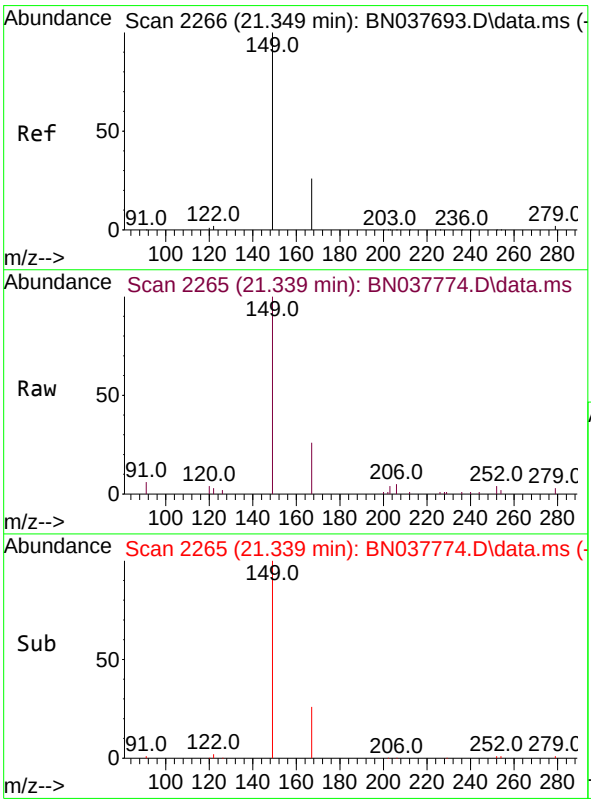
#33
Chrysene
Concen: 0.397 ng
RT: 21.456 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037774.D
Acq: 18 Sep 2025 13:16

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:228 Resp: 23785

Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.5	35.3
229	19.7	15.9	23.9

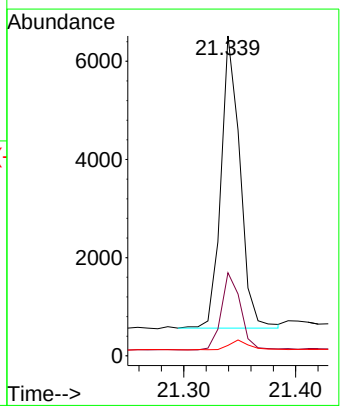


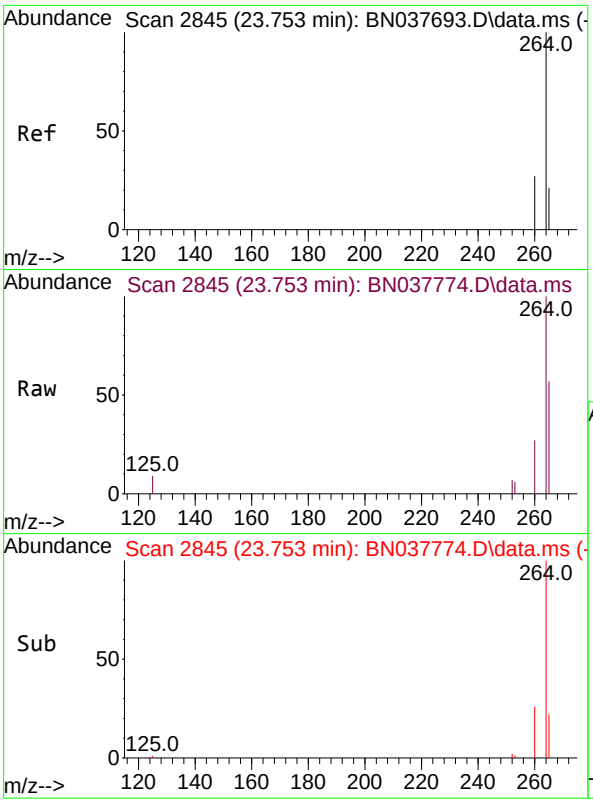


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.424 ng
RT: 21.339 min Scan# 2265
Delta R.T. -0.009 min
Lab File: BN037774.D
Acq: 18 Sep 2025 13:16

Tgt Ion:149 Resp: 7017

Ion	Ratio	Lower	Upper
149	100		
167	27.1	20.8	31.2
279	3.7	3.3	4.9



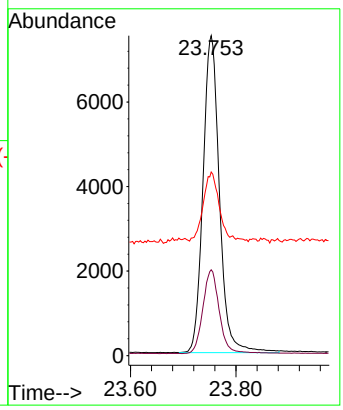


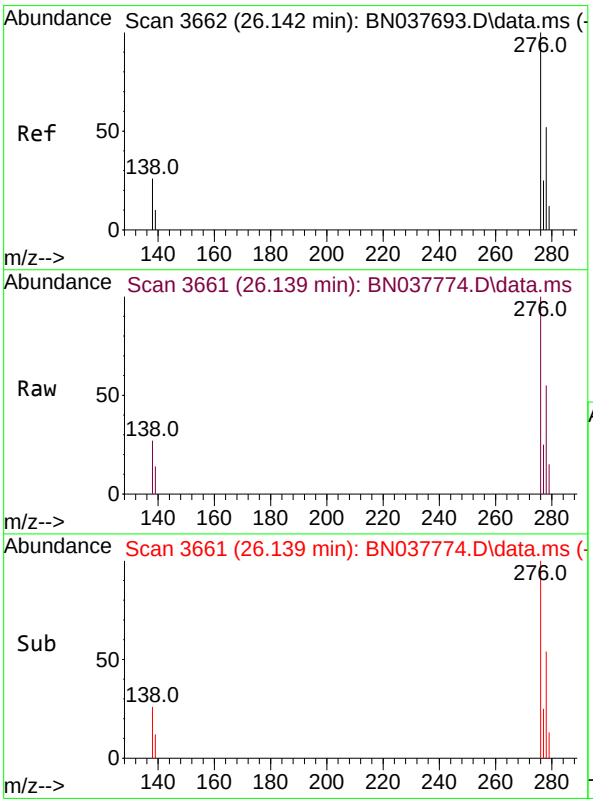
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.753 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037774.D
Acq: 18 Sep 2025 13:16

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:264 Resp: 16216

Ion	Ratio	Lower	Upper
264	100		
260	26.8	21.8	32.8
265	57.4	39.4	59.2

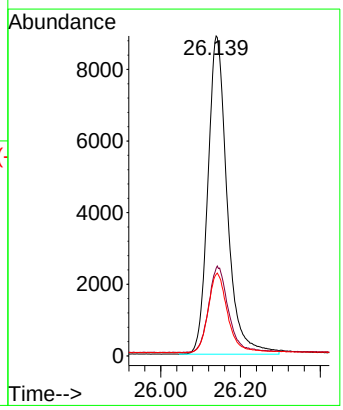


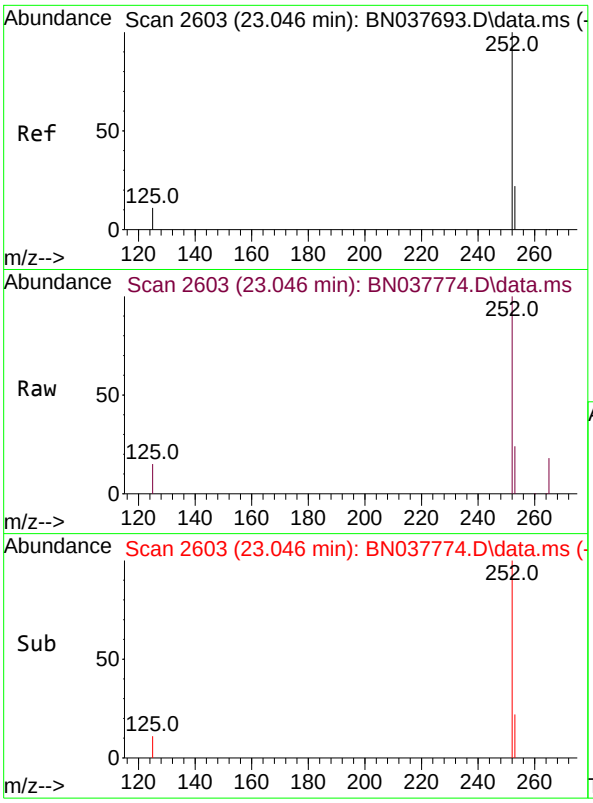


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.438 ng
RT: 26.139 min Scan# 3661
Delta R.T. -0.003 min
Lab File: BN037774.D
Acq: 18 Sep 2025 13:16

Tgt Ion:276 Resp: 29869

Ion	Ratio	Lower	Upper
276	100		
138	27.3	21.9	32.9
277	25.0	20.1	30.1



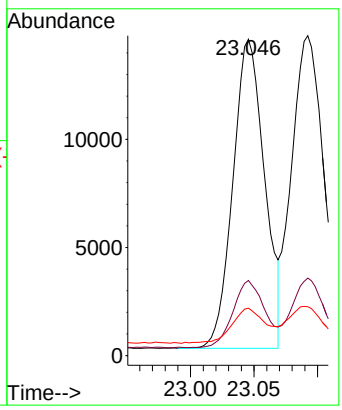


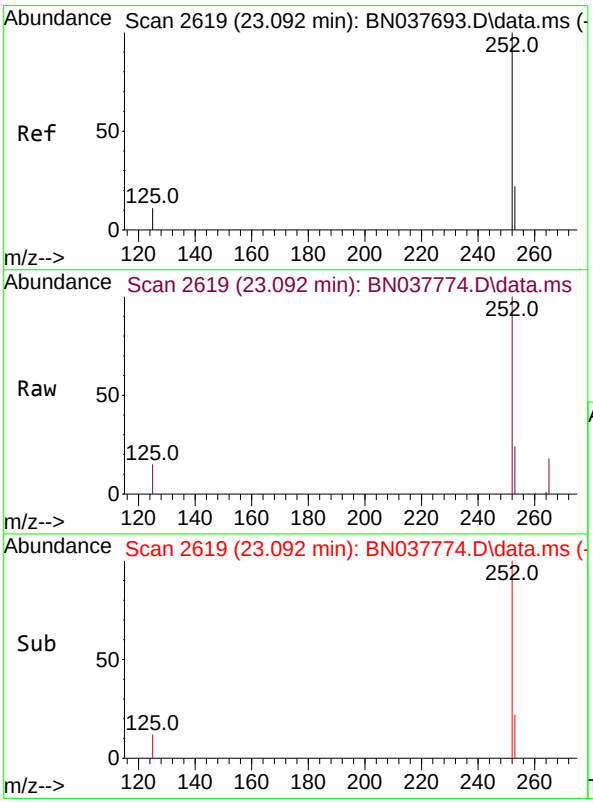
#37
Benzo(b)fluoranthene
Concen: 0.388 ng
RT: 23.046 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037774.D
Acq: 18 Sep 2025 13:16

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 24782

Ion	Ratio	Lower	Upper
252	100		
253	23.7	19.4	29.2
125	15.0	11.2	16.8

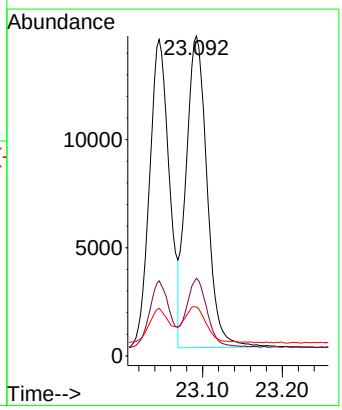


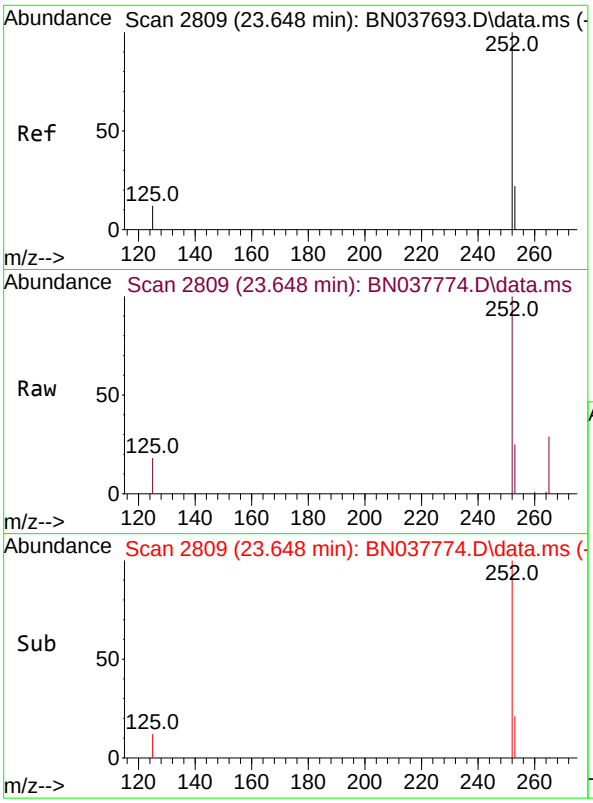


#38
Benzo(k)fluoranthene
Concen: 0.404 ng
RT: 23.092 min Scan# 2619
Delta R.T. -0.000 min
Lab File: BN037774.D
Acq: 18 Sep 2025 13:16

Tgt Ion:252 Resp: 26275

Ion	Ratio	Lower	Upper
252	100		
253	24.2	19.4	29.0
125	15.3	11.6	17.4



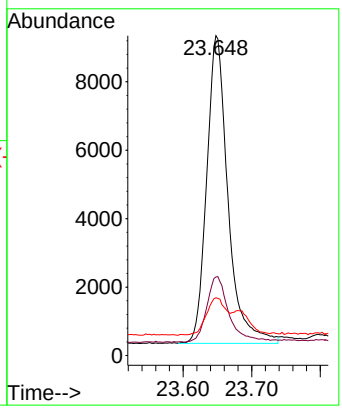


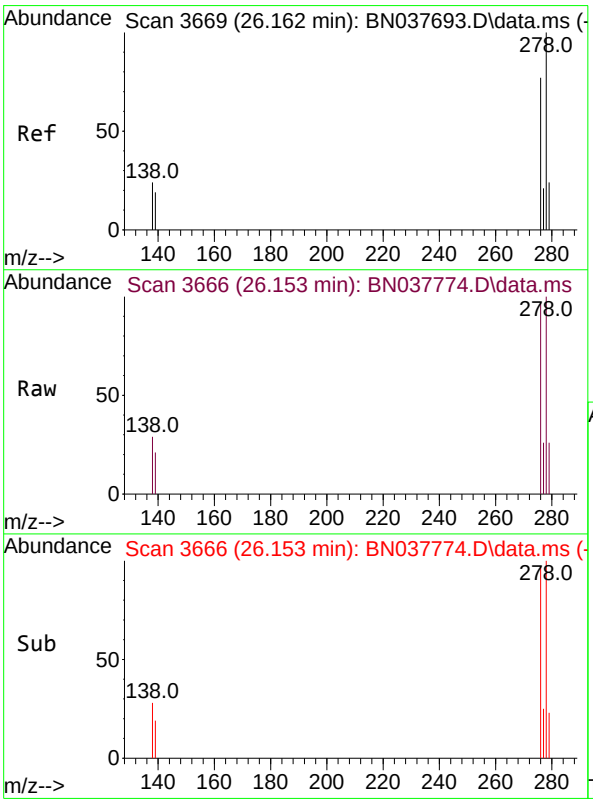
#39
Benzo(a)pyrene
Concen: 0.380 ng
RT: 23.648 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037774.D
Acq: 18 Sep 2025 13:16

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 19411

Ion	Ratio	Lower	Upper
252	100		
253	24.6	20.8	31.2
125	18.1	13.9	20.9

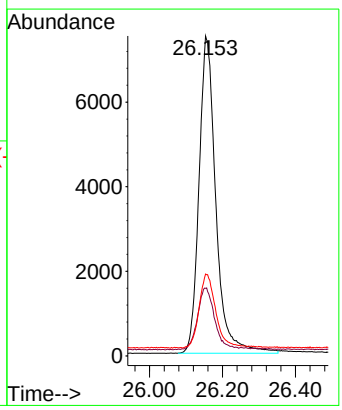


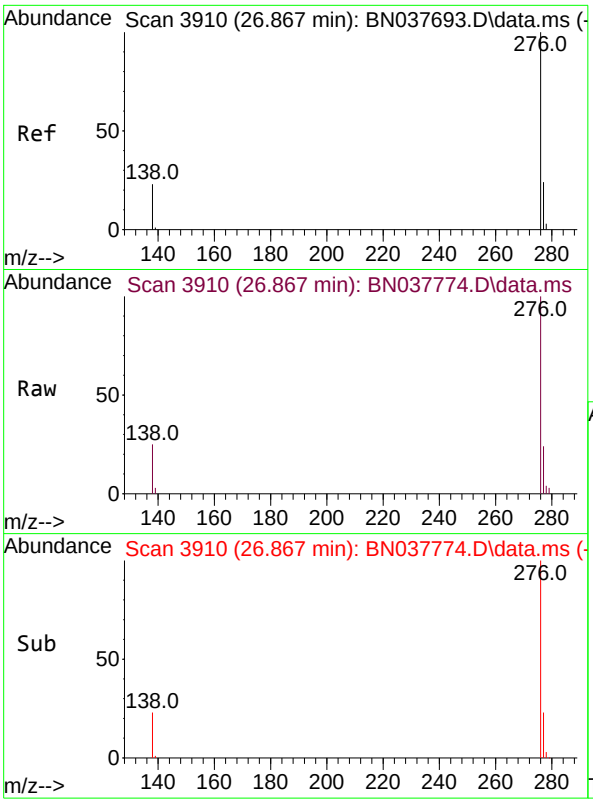


#40
Dibenzo(a,h)anthracene
Concen: 0.442 ng
RT: 26.153 min Scan# 3666
Delta R.T. -0.009 min
Lab File: BN037774.D
Acq: 18 Sep 2025 13:16

Tgt Ion:278 Resp: 24050

Ion	Ratio	Lower	Upper
278	100		
139	21.1	17.8	26.6
279	25.6	22.0	33.0



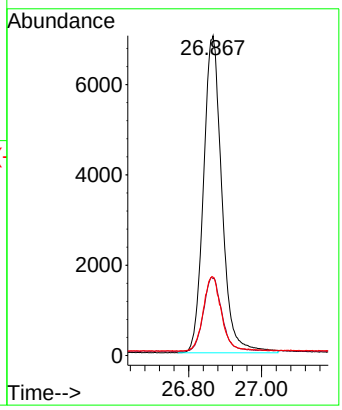


#41
Benzo(g,h,i)perylene
Concen: 0.402 ng
RT: 26.867 min Scan# 3
Delta R.T. -0.000 min
Lab File: BN037774.D
Acq: 18 Sep 2025 13:16

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 24546

Ion	Ratio	Lower	Upper
276	100		
277	24.0	20.6	31.0
138	24.5	20.2	30.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091725\
Data File : BN037774.D
Acq On : 18 Sep 2025 13:16
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Quant Time: Sep 18 13:43:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	158#	0.00
2		1,4-Dioxane	0.417	0.425	-1.9	159#	0.00
3		n-Nitrosodimethylamine	0.544	0.518	4.8	145	0.00
4	S	2-Fluorophenol	0.918	0.915	0.3	162#	0.00
5	S	Phenol-d6	1.191	1.160	2.6	159#	0.00
6		bis(2-Chloroethyl)ether	1.064	1.058	0.6	156#	0.00
7	I	Naphthalene-d8	1.000	1.000	0.0	158#	0.00
8	S	Nitrobenzene-d5	0.293	0.296	-1.0	164#	0.00
9		Naphthalene	1.093	1.079	1.3	158#	0.01
10		Hexachlorobutadiene	0.198	0.192	3.0	153#	0.00
11	SURR	2-Methylnaphthalene-d10	0.530	0.506	4.5	160#	0.00
12		2-Methylnaphthalene	0.676	0.656	3.0	157#	0.00
13	I	Acenaphthene-d10	1.000	1.000	0.0	157#	0.00
14	S	2,4,6-Tribromophenol	0.104	0.126	-21.2	197#	0.00
15	S	2-Fluorobiphenyl	1.673	1.646	1.6	157#	0.00
16		Acenaphthylene	1.834	1.745	4.9	154#	0.00
17		Acenaphthene	1.240	1.214	2.1	157#	0.00
18		Fluorene	1.502	1.459	2.9	159#	0.00
19	I	Phenanthrene-d10	1.000	1.000	0.0	160#	0.00
20		4,6-Dinitro-2-methylphenol	0.037	0.037	0.0	180#	0.00
21		4-Bromophenyl-phenylether	0.261	0.249	4.6	159#	-0.01
22		Hexachlorobenzene	0.300	0.300	0.0	163#	0.00
23		Atrazine	0.166	0.161	3.0	171#	0.00
24		Pentachlorophenol	0.087	0.099	-13.8	214#	0.00
25		Phenanthrene	1.259	1.243	1.3	163#	0.00
26		Anthracene	1.116	1.057	5.3	158#	0.00
27	SURR	Fluoranthene-d10	1.004	0.949	5.5	163#	0.00
28		Fluoranthene	1.381	1.347	2.5	165#	0.00
29	I	Chrysene-d12	1.000	1.000	0.0	171#	0.00
30		Pyrene	1.566	1.514	3.3	166#	0.00
31	S	Terphenyl-d14	0.812	0.758	6.7	162#	0.00
32		Benzo(a)anthracene	1.395	1.333	4.4	169#	0.00
33		Chrysene	1.496	1.486	0.7	170#	0.00
34		Bis(2-ethylhexyl)phthalate	0.414	0.438	-5.8	199#	0.00
35	I	Perylene-d12	1.000	1.000	0.0	181#	0.00
36		Indeno(1,2,3-cd)pyrene	1.681	1.842	-9.6	216#	0.00
37		Benzo(b)fluoranthene	1.575	1.528	3.0	178#	0.00
38		Benzo(k)fluoranthene	1.606	1.620	-0.9	192#	0.00
39	C	Benzo(a)pyrene	1.261	1.197	5.1	180#	0.00
40		Dibenzo(a,h)anthracene	1.342	1.483	-10.5	222#	0.00
41		Benzo(g,h,i)perylene	1.506	1.514	-0.5	189#	0.00

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091725\
Data File : BN037774.D
Acq On : 18 Sep 2025 13:16
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Quant Time: Sep 18 13:43:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	0.400	0.400	0.0	158	0.00
2		1,4-Dioxane	0.400	0.408	-2.0	159	0.00
3		n-Nitrosodimethylamine	0.400	0.381	4.8	145	0.00
4	S	2-Fluorophenol	0.400	0.399	0.3	162	0.00
5	S	Phenol-d6	0.400	0.390	2.5	159	0.00
6		bis(2-Chloroethyl)ether	0.400	0.398	0.5	156	0.00
7	I	Naphthalene-d8	0.400	0.400	0.0	158	0.00
8	S	Nitrobenzene-d5	0.400	0.405	-1.3	164	0.00
9		Naphthalene	0.400	0.395	1.3	158	0.01
10		Hexachlorobutadiene	0.400	0.388	3.0	153	0.00
11	SURR	2-Methylnaphthalene-d10	0.400	0.382	4.5	160	0.00
12		2-Methylnaphthalene	0.400	0.388	3.0	157	0.00
13	I	Acenaphthene-d10	0.400	0.400	0.0	157	0.00
14	S	2,4,6-Tribromophenol	0.400	0.485	-21.2	197	0.00
15	S	2-Fluorobiphenyl	0.400	0.394	1.5	157	0.00
16		Acenaphthylene	0.400	0.380	5.0	154	0.00
17		Acenaphthene	0.400	0.391	2.3	157	0.00
18		Fluorene	0.400	0.388	3.0	159	0.00
19	I	Phenanthrene-d10	0.400	0.400	0.0	160	0.00
20		4,6-Dinitro-2-methylphenol	0.400	0.399	0.3	180	0.00
21		4-Bromophenyl-phenylether	0.400	0.383	4.3	159	-0.01
22		Hexachlorobenzene	0.400	0.400	0.0	163	0.00
23		Atrazine	0.400	0.389	2.8	171	0.00
24		Pentachlorophenol	0.400	0.457	-14.2	214	0.00
25		Phenanthrene	0.400	0.395	1.3	163	0.00
26		Anthracene	0.400	0.379	5.3	158	0.00
27	SURR	Fluoranthene-d10	0.400	0.378	5.5	163	0.00
28		Fluoranthene	0.400	0.390	2.5	165	0.00
29	I	Chrysene-d12	0.400	0.400	0.0	171	0.00
30		Pyrene	0.400	0.387	3.3	166	0.00
31	S	Terphenyl-d14	0.400	0.373	6.8	162	0.00
32		Benzo(a)anthracene	0.400	0.382	4.5	169	0.00
33		Chrysene	0.400	0.397	0.8	170	0.00
34		Bis(2-ethylhexyl)phthalate	0.400	0.424	-6.0	199	0.00
35	I	Perylene-d12	0.400	0.400	0.0	181	0.00
36		Indeno(1,2,3-cd)pyrene	0.400	0.438	-9.5	216	0.00
37		Benzo(b)fluoranthene	0.400	0.388	3.0	178	0.00
38		Benzo(k)fluoranthene	0.400	0.404	-1.0	192	0.00
39	C	Benzo(a)pyrene	0.400	0.380	5.0	180	0.00
40		Dibenzo(a,h)anthracene	0.400	0.442	-10.5	222	0.00
41		Benzo(g,h,i)perylene	0.400	0.402	-0.5	189	0.00

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

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO15

Lab Code: ACE SDG No.: Q3095

Instrument ID: BNA_N Calibration Date/Time: 09/18/2025 14:32

Lab File ID: BN037776.D Init. Calib. Date(s): 09/11/2025 09/11/2025

EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 09:56 13:33

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.530	0.497		-6.2	20.0
Fluoranthene-d10	1.004	0.839		-16.4	20.0
2-Fluorophenol	0.918	0.890		-3.0	20.0
Phenol-d6	1.191	1.130		-5.1	20.0
Nitrobenzene-d5	0.293	0.298		1.7	20.0
2-Fluorobiphenyl	1.673	1.679		0.4	20.0
2,4,6-Tribromophenol	0.104	0.114		9.6	20.0
Terphenyl-d14	0.812	0.801		-1.4	20.0
1,4-Dioxane	0.417	0.428		2.6	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\BN091825\
Data File : BN037776.D
Acq On : 18 Sep 2025 14:32
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Sep 18 15:01:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

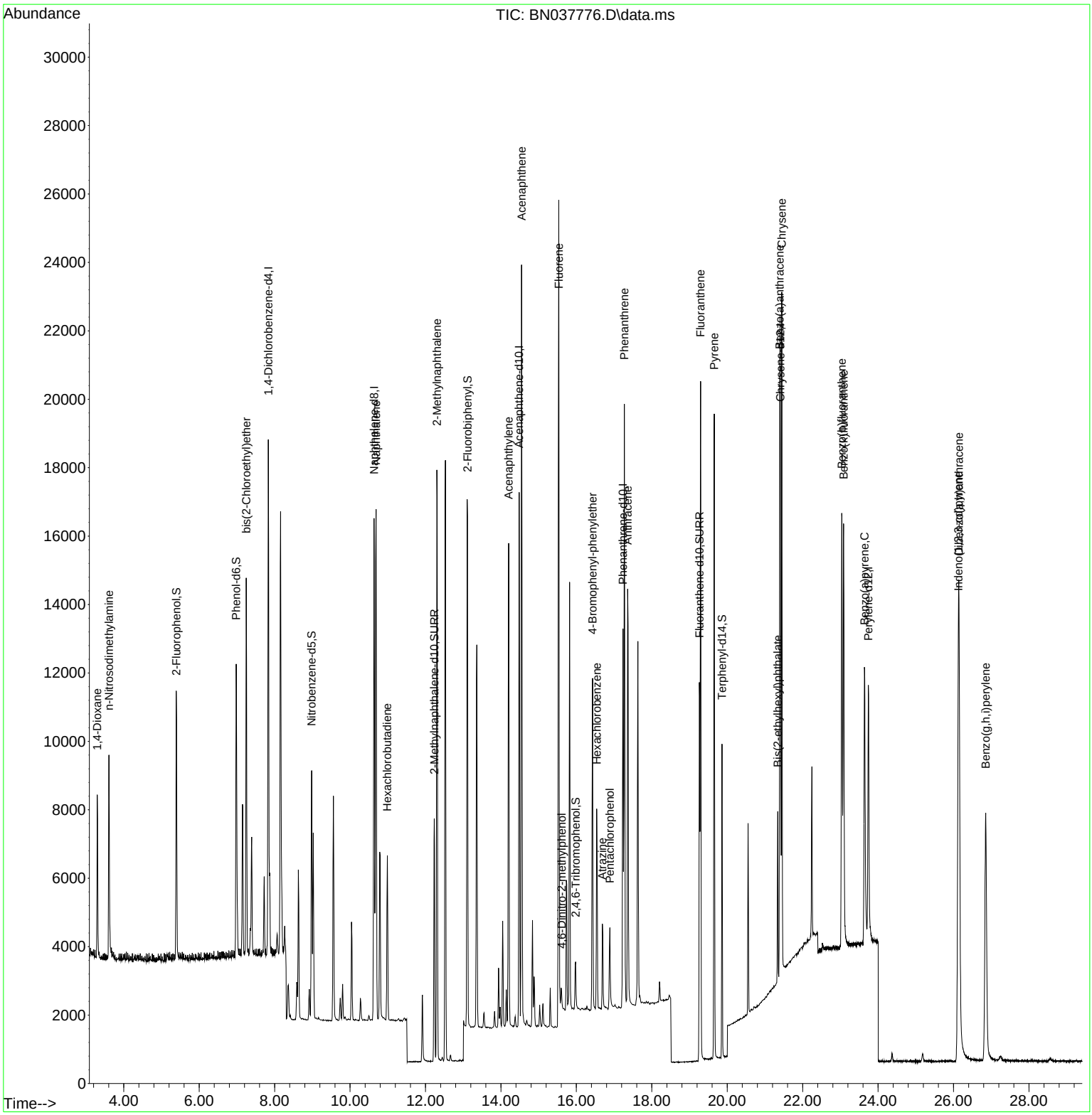
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.833	152	7127	0.400	ng		0.00
7) Naphthalene-d8	10.637	136	18984	0.400	ng		-0.01
13) Acenaphthene-d10	14.484	164	8698	0.400	ng		-0.01
19) Phenanthrene-d10	17.235	188	14526	0.400	ng		# 0.00
29) Chrysene-d12	21.411	240	10438	0.400	ng		# 0.00
35) Perylene-d12	23.744	264	10600	0.400	ng		# 0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.399	112	6346	0.388	ng		0.00
5) Phenol-d6	6.980	99	8055	0.380	ng		0.00
8) Nitrobenzene-d5	8.982	82	5651	0.407	ng		-0.01
11) 2-Methylnaphthalene-d10	12.232	152	9430	0.375	ng		-0.01
14) 2,4,6-Tribromophenol	15.982	330	988	0.436	ng		0.00
15) 2-Fluorobiphenyl	13.115	172	14602	0.401	ng		0.00
27) Fluoranthene-d10	19.262	212	12188	0.334	ng		0.00
31) Terphenyl-d14	19.861	244	8356	0.394	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.297	88	3048	0.411	ng		94
3) n-Nitrosodimethylamine	3.608	42	3658	0.377	ng	#	90
6) bis(2-Chloroethyl)ether	7.248	93	7546	0.398	ng		100
9) Naphthalene	10.690	128	20305	0.391	ng		99
10) Hexachlorobutadiene	10.989	225	3759	0.400	ng	#	100
12) 2-Methylnaphthalene	12.303	142	12427	0.387	ng		99
16) Acenaphthylene	14.206	152	15171	0.380	ng		100
17) Acenaphthene	14.548	154	10490	0.389	ng		97
18) Fluorene	15.535	166	12152	0.372	ng		100
20) 4,6-Dinitro-2-methylph...	15.609	198	454	0.337	ng		96
21) 4-Bromophenyl-phenylether	16.429	248	3832	0.405	ng	#	86
22) Hexachlorobenzene	16.540	284	4737	0.435	ng		99
23) Atrazine	16.689	200	2300	0.382	ng	#	90
24) Pentachlorophenol	16.888	266	1384	0.438	ng		95
25) Phenanthrene	17.273	178	17751	0.388	ng		99
26) Anthracene	17.359	178	15208	0.375	ng		99
28) Fluoranthene	19.294	202	17450	0.348	ng		100
30) Pyrene	19.657	202	17087	0.418	ng		100
32) Benzo(a)anthracene	21.393	228	13864	0.381	ng		99
33) Chrysene	21.447	228	15945	0.408	ng		99
34) Bis(2-ethylhexyl)phtha...	21.339	149	4553	0.422	ng		100
36) Indeno(1,2,3-cd)pyrene	26.127	276	19472	0.437	ng		100
37) Benzo(b)fluoranthene	23.037	252	16161	0.387	ng	#	97
38) Benzo(k)fluoranthene	23.086	252	17089	0.402	ng		97
39) Benzo(a)pyrene	23.642	252	13152	0.394	ng	#	95
40) Dibenzo(a,h)anthracene	26.145	278	15512	0.436	ng		99
41) Benzo(g,h,i)perylene	26.855	276	16486	0.413	ng		99

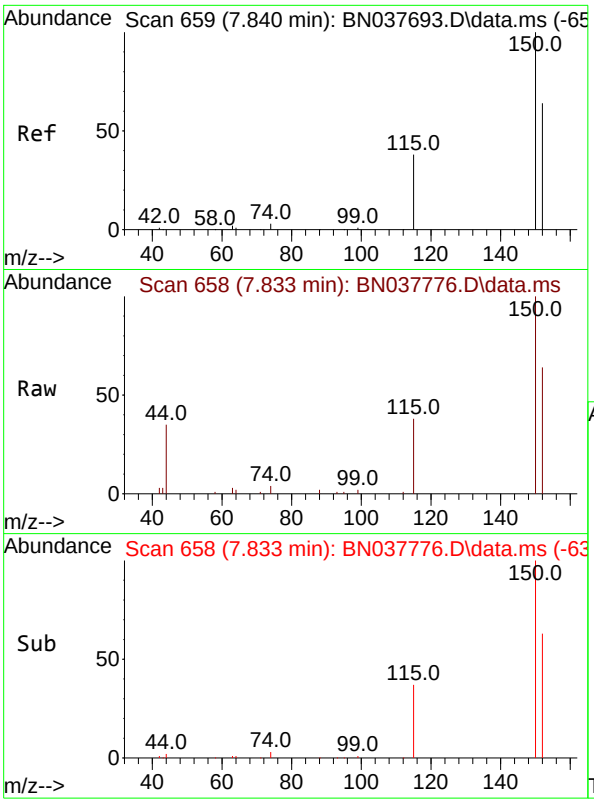
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091825\
Data File : BN037776.D
Acq On : 18 Sep 2025 14:32
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Sep 18 15:01:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration



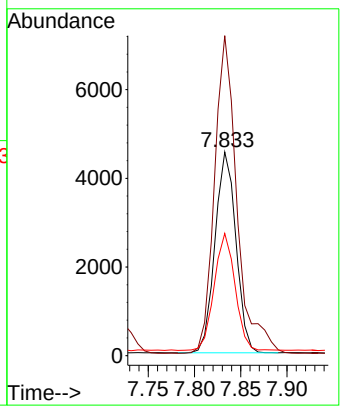


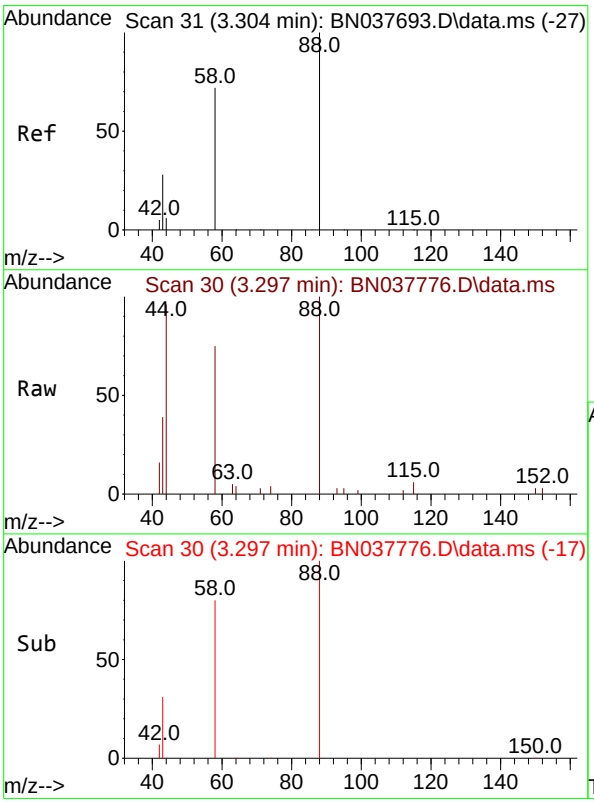
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.833 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN037776.D
Acq: 18 Sep 2025 14:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 7127

Ion	Ratio	Lower	Upper
152	100		
150	157.1	124.5	186.7
115	60.0	49.2	73.8

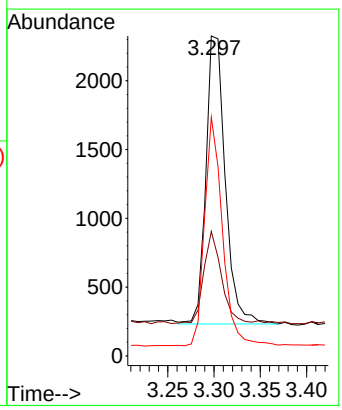


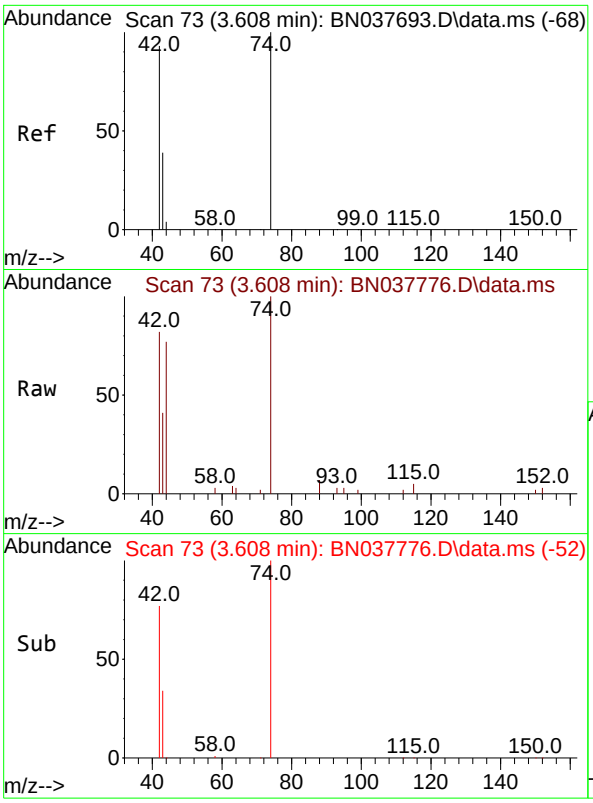


#2
1,4-Dioxane
Concen: 0.411 ng
RT: 3.297 min Scan# 30
Delta R.T. -0.007 min
Lab File: BN037776.D
Acq: 18 Sep 2025 14:32

Tgt Ion: 88 Resp: 3048

Ion	Ratio	Lower	Upper
88	100		
43	29.1	26.8	40.2
58	73.0	61.9	92.9



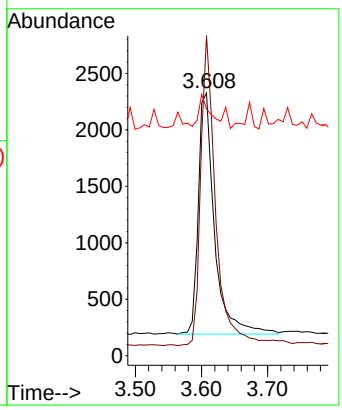


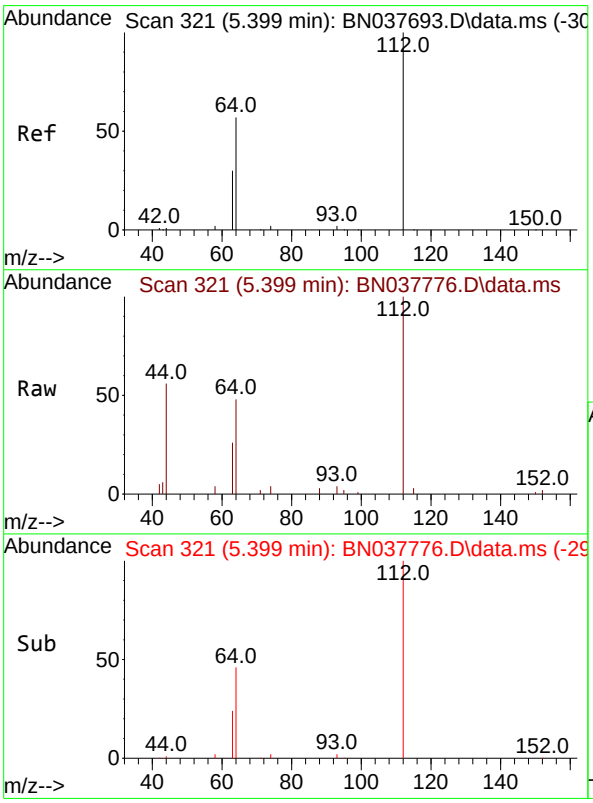
#3
n-Nitrosodimethylamine
Concen: 0.377 ng
RT: 3.608 min Scan# 7
Delta R.T. -0.000 min
Lab File: BN037776.D
Acq: 18 Sep 2025 14:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 3658

Ion	Ratio	Lower	Upper
42	100		
74	118.6	86.0	129.0
44	8.4	8.4	12.6#

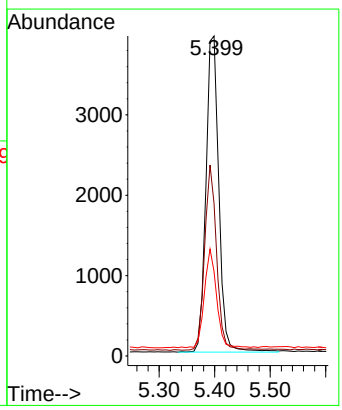


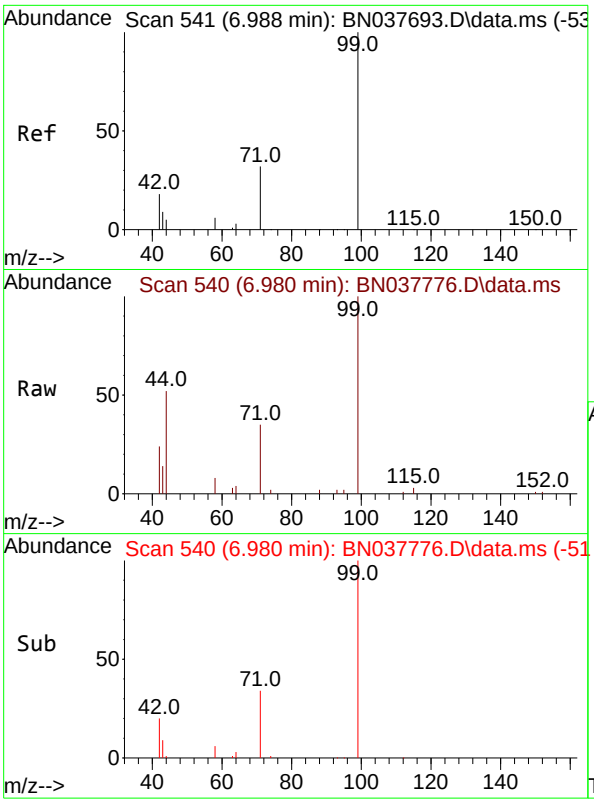


#4
2-Fluorophenol
Concen: 0.388 ng
RT: 5.399 min Scan# 321
Delta R.T. -0.000 min
Lab File: BN037776.D
Acq: 18 Sep 2025 14:32

Tgt Ion:112 Resp: 6346

Ion	Ratio	Lower	Upper
112	100		
64	54.2	44.9	67.3
63	29.2	24.7	37.1



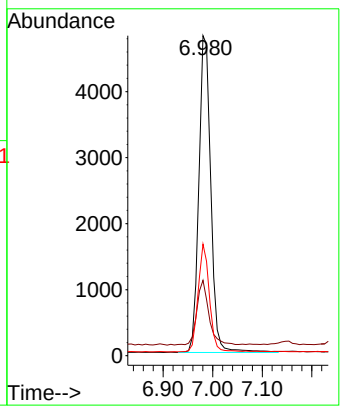


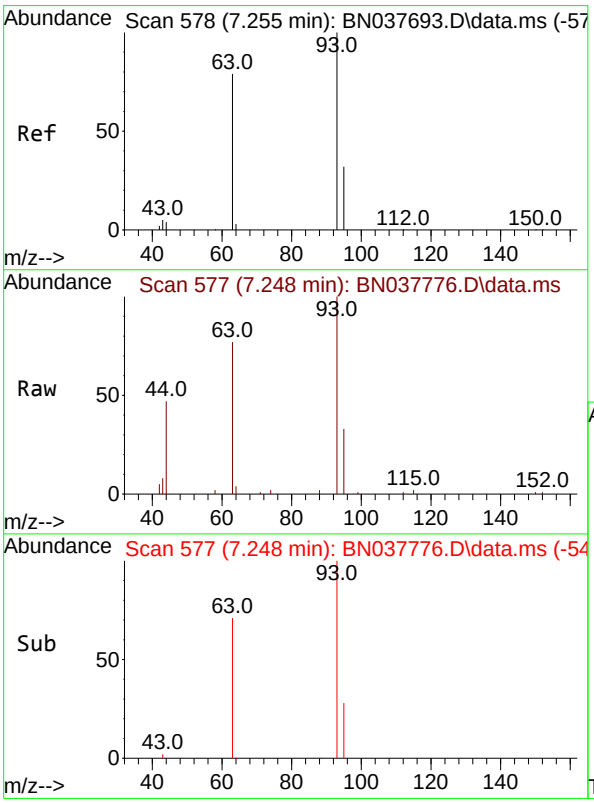
#5
Phenol-d6
Concen: 0.380 ng
RT: 6.980 min Scan# 54
Delta R.T. -0.007 min
Lab File: BN037776.D
Acq: 18 Sep 2025 14:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 8055

Ion	Ratio	Lower	Upper
99	100		
42	20.9	16.6	24.8
71	32.2	26.7	40.1

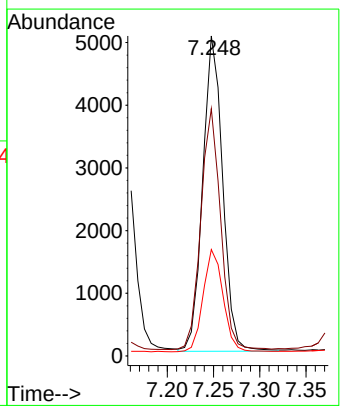


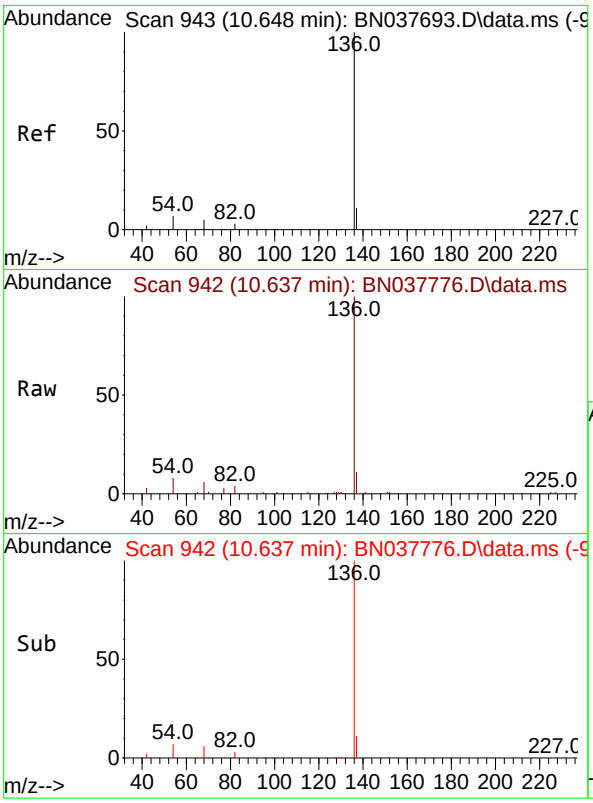


#6
bis(2-Chloroethyl)ether
Concen: 0.398 ng
RT: 7.248 min Scan# 577
Delta R.T. -0.007 min
Lab File: BN037776.D
Acq: 18 Sep 2025 14:32

Tgt Ion: 93 Resp: 7546

Ion	Ratio	Lower	Upper
93	100		
63	75.4	60.6	90.8
95	32.5	26.0	39.0



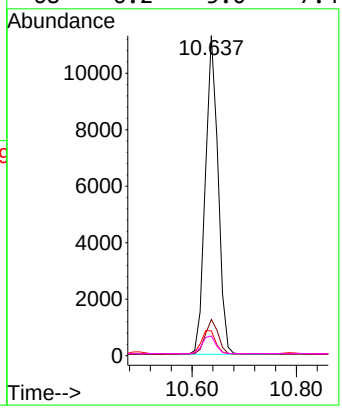


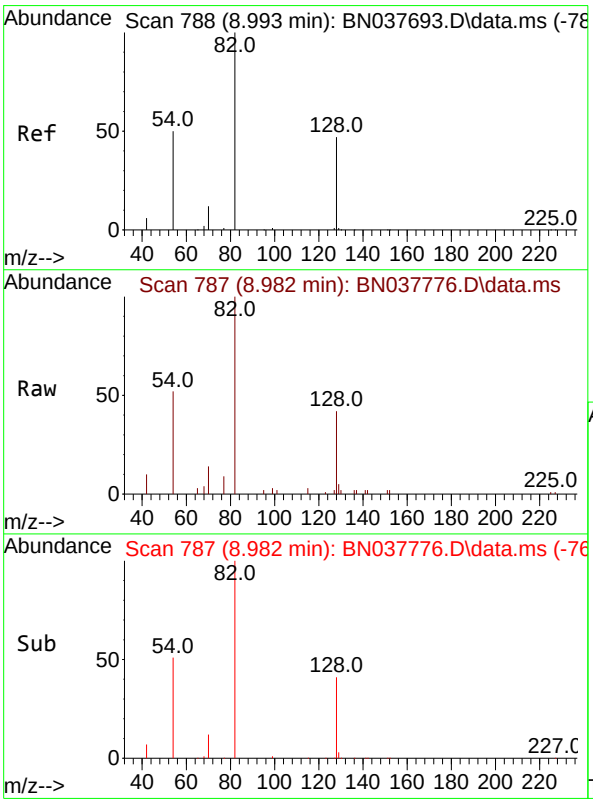
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.637 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037776.D
Acq: 18 Sep 2025 14:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 18984

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	7.7	6.3	9.5
68	6.2	5.0	7.4

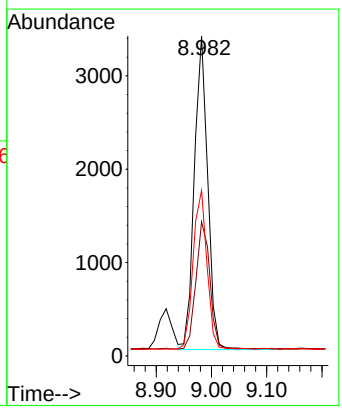


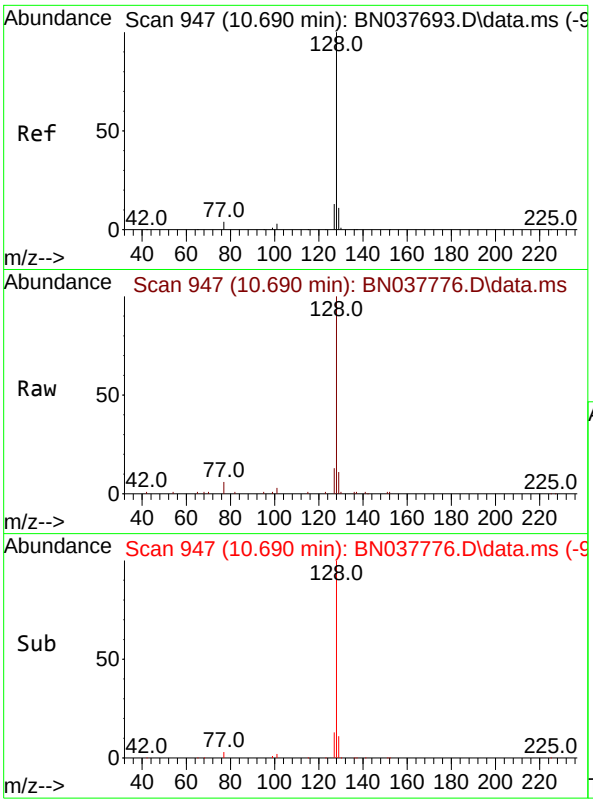


#8
Nitrobenzene-d5
Concen: 0.407 ng
RT: 8.982 min Scan# 787
Delta R.T. -0.011 min
Lab File: BN037776.D
Acq: 18 Sep 2025 14:32

Tgt Ion: 82 Resp: 5651

Ion	Ratio	Lower	Upper
82	100		
128	42.0	38.3	57.5
54	51.8	41.4	62.2



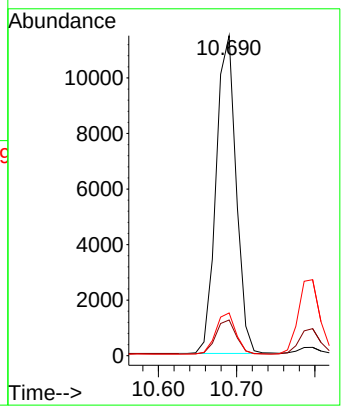


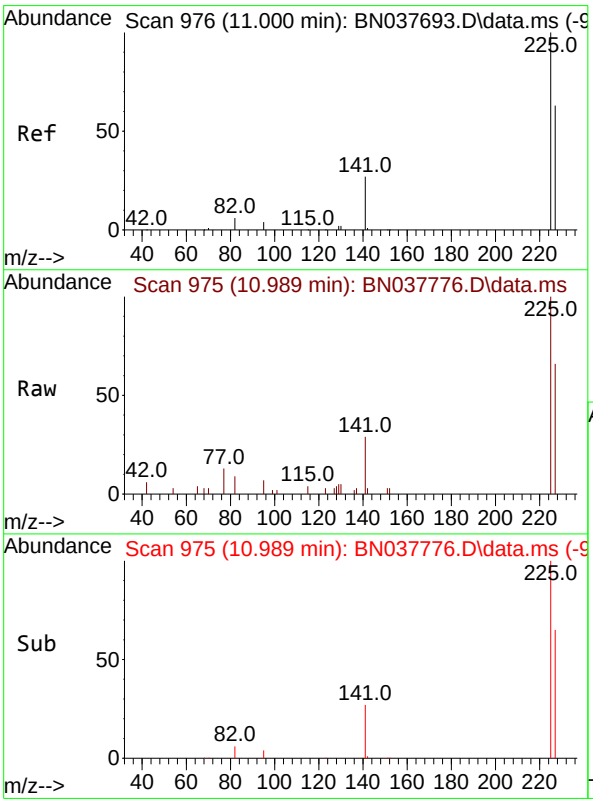
#9
Naphthalene
Concen: 0.391 ng
RT: 10.690 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN037776.D
Acq: 18 Sep 2025 14:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 20305

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.1	13.7
127	13.3	10.9	16.3

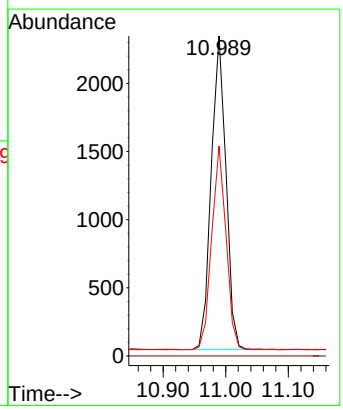


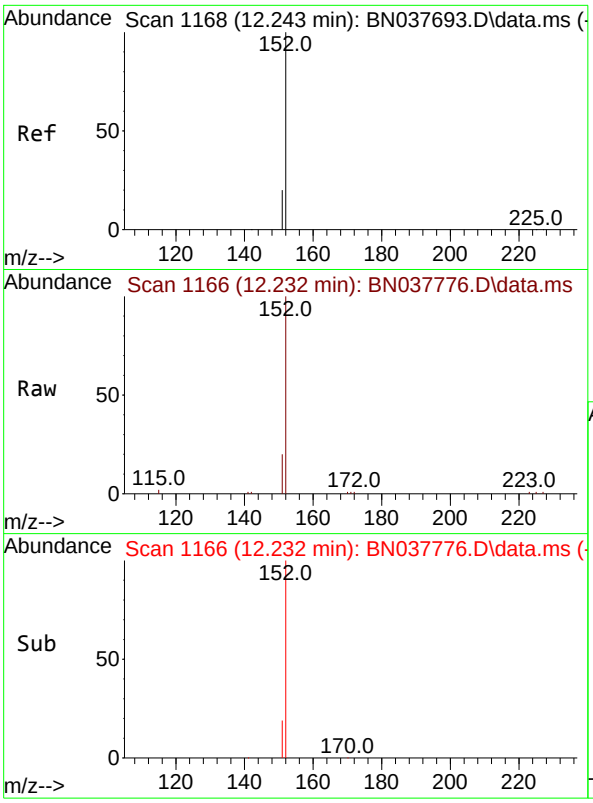


#10
Hexachlorobutadiene
Concen: 0.400 ng
RT: 10.989 min Scan# 975
Delta R.T. -0.011 min
Lab File: BN037776.D
Acq: 18 Sep 2025 14:32

Tgt Ion:225 Resp: 3759

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.4	50.9	76.3



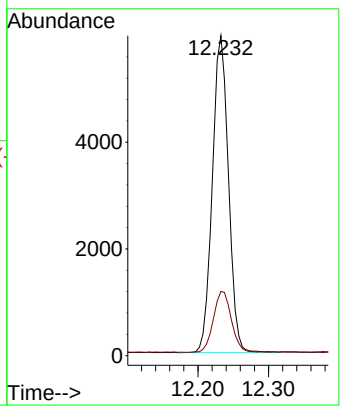


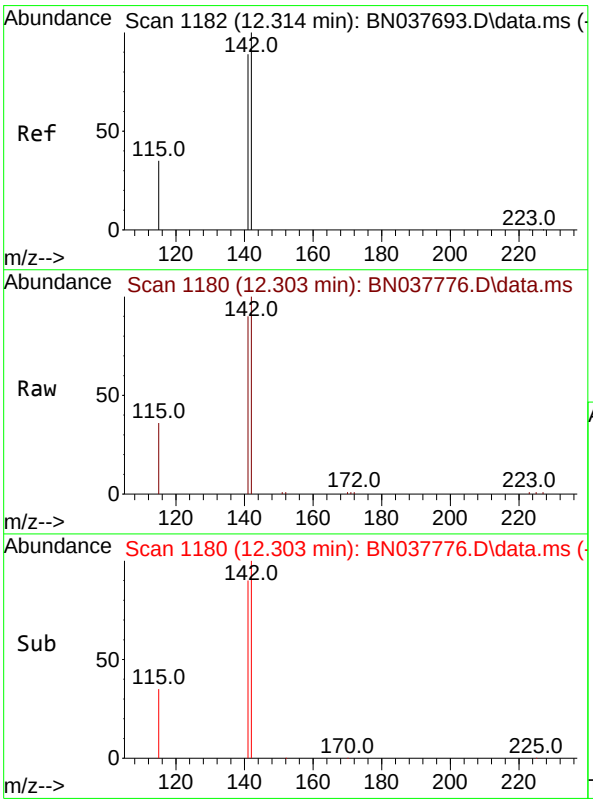
#11
2-Methylnaphthalene-d10
Concen: 0.375 ng
RT: 12.232 min Scan# 11
Delta R.T. -0.010 min
Lab File: BN037776.D
Acq: 18 Sep 2025 14:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 9430

Ion	Ratio	Lower	Upper
152	100		
151	21.3	17.0	25.6

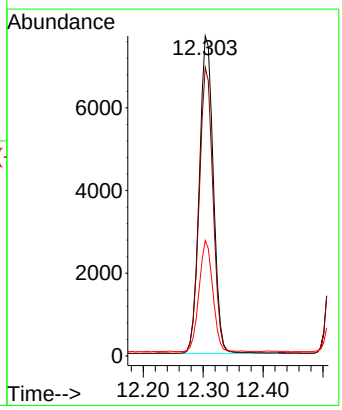


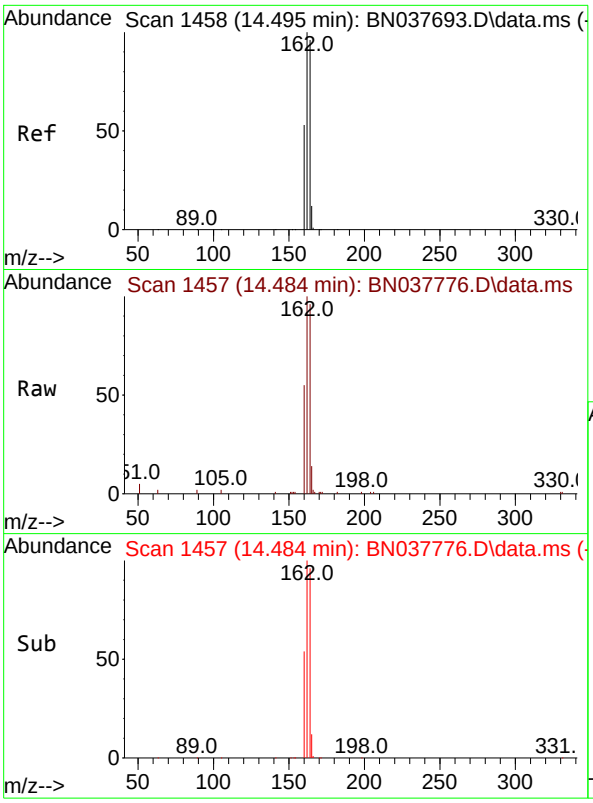


#12
2-Methylnaphthalene
Concen: 0.387 ng
RT: 12.303 min Scan# 1180
Delta R.T. -0.010 min
Lab File: BN037776.D
Acq: 18 Sep 2025 14:32

Tgt Ion:142 Resp: 12427

Ion	Ratio	Lower	Upper
142	100		
141	90.2	71.6	107.4
115	36.1	28.6	43.0



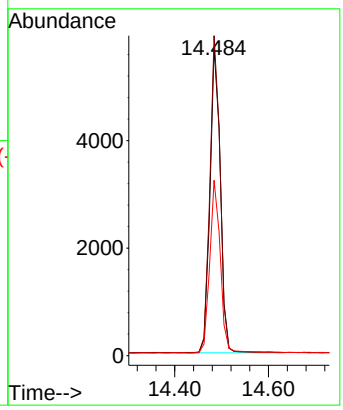


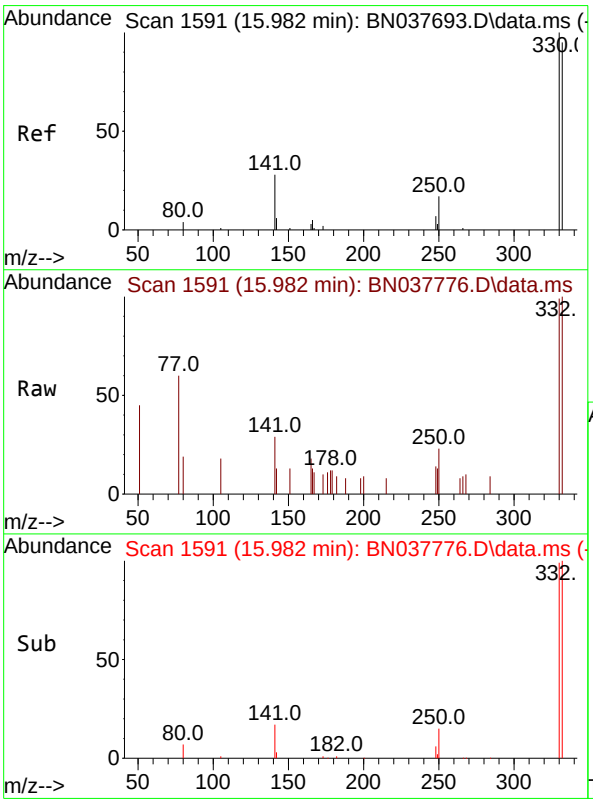
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.484 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN037776.D
Acq: 18 Sep 2025 14:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 8698

Ion	Ratio	Lower	Upper
164	100		
162	103.8	83.1	124.7
160	56.9	44.3	66.5

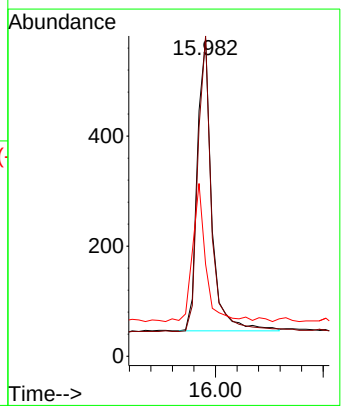


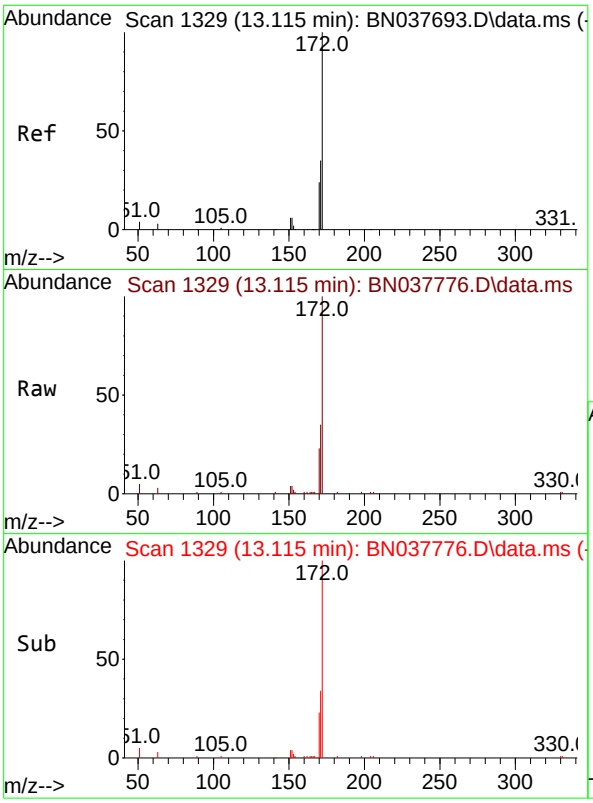


#14
2,4,6-Tribromophenol
Concen: 0.436 ng
RT: 15.982 min Scan# 1591
Delta R.T. -0.000 min
Lab File: BN037776.D
Acq: 18 Sep 2025 14:32

Tgt Ion:330 Resp: 988

Ion	Ratio	Lower	Upper
330	100		
332	96.3	75.3	112.9
141	42.6	35.0	52.4



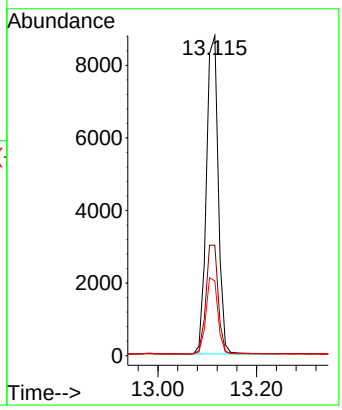


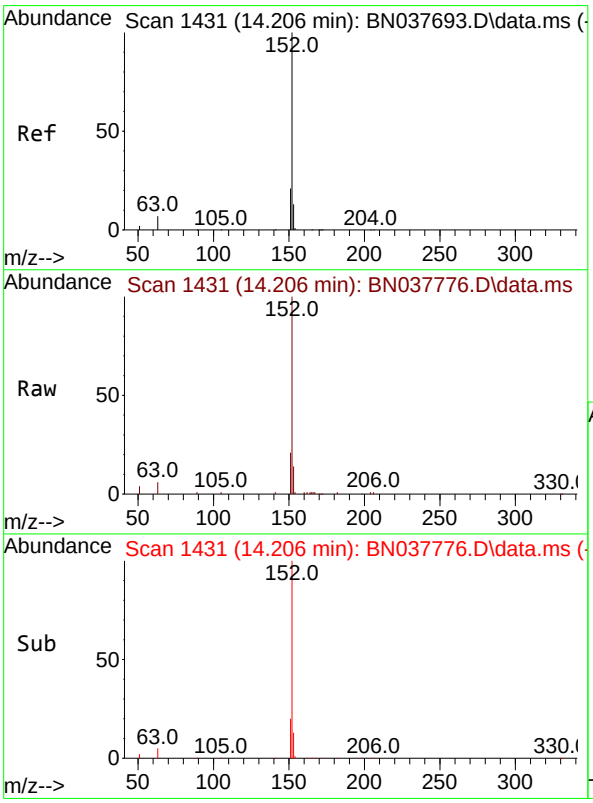
#15
2-Fluorobiphenyl
Concen: 0.401 ng
RT: 13.115 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037776.D
Acq: 18 Sep 2025 14:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 14602

Ion	Ratio	Lower	Upper
172	100		
171	34.6	28.6	43.0
170	23.3	19.8	29.8

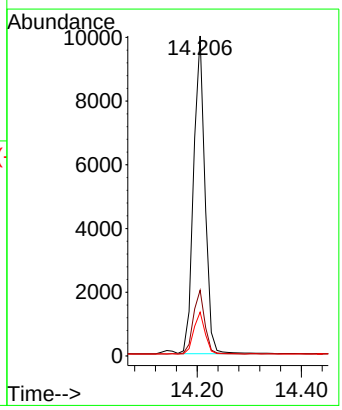


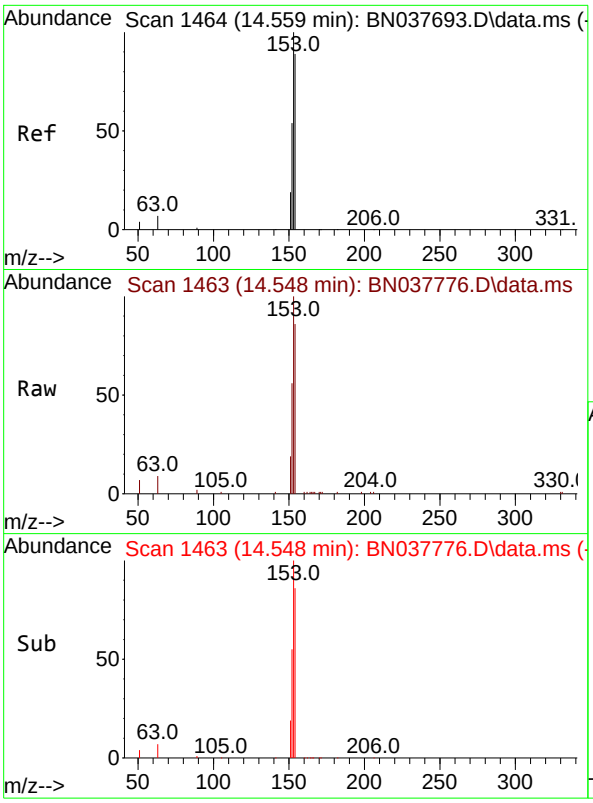


#16
Acenaphthylene
Concen: 0.380 ng
RT: 14.206 min Scan# 1431
Delta R.T. -0.000 min
Lab File: BN037776.D
Acq: 18 Sep 2025 14:32

Tgt Ion:152 Resp: 15171

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.2	24.2
153	13.1	10.4	15.6



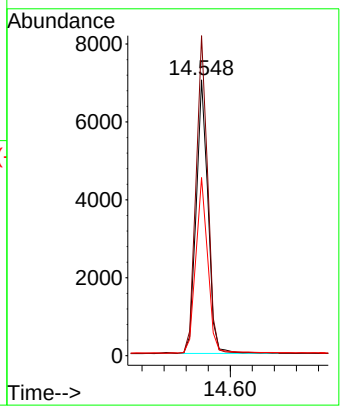


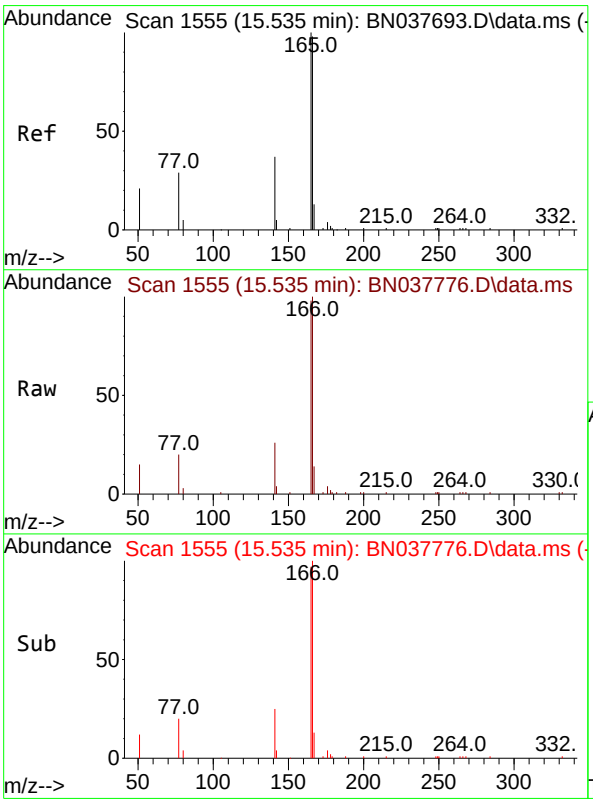
#17
Acenaphthene
Concen: 0.389 ng
RT: 14.548 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN037776.D
Acq: 18 Sep 2025 14:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 10490

Ion	Ratio	Lower	Upper
154	100		
153	115.3	89.8	134.8
152	65.9	50.2	75.2

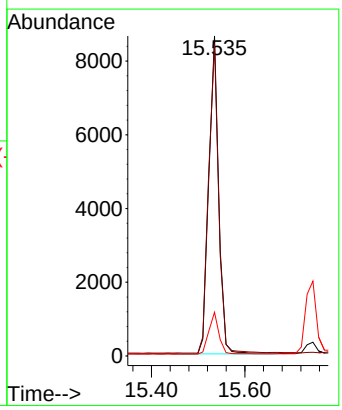


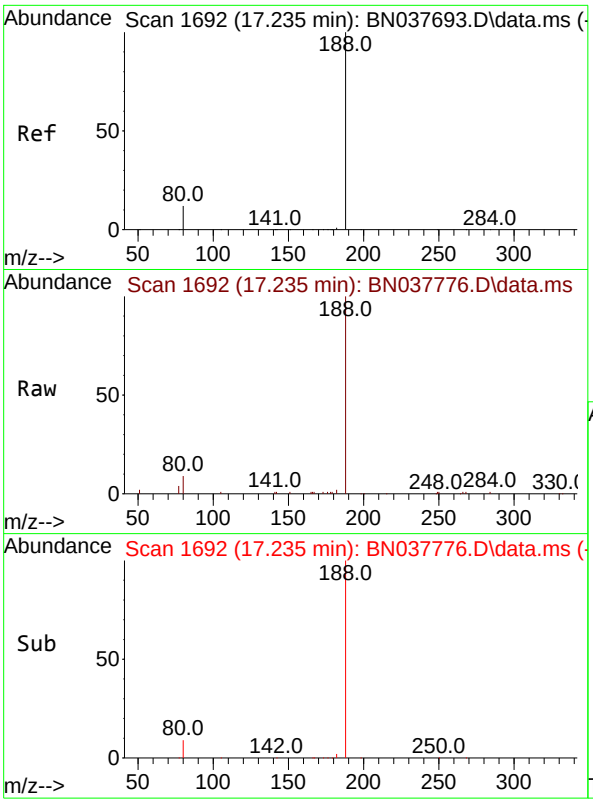


#18
Fluorene
Concen: 0.372 ng
RT: 15.535 min Scan# 1555
Delta R.T. -0.000 min
Lab File: BN037776.D
Acq: 18 Sep 2025 14:32

Tgt Ion:166 Resp: 12152

Ion	Ratio	Lower	Upper
166	100		
165	99.6	79.6	119.4
167	13.5	10.6	16.0



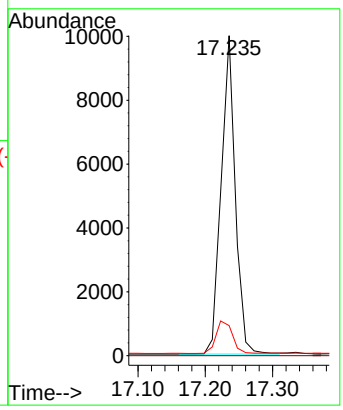


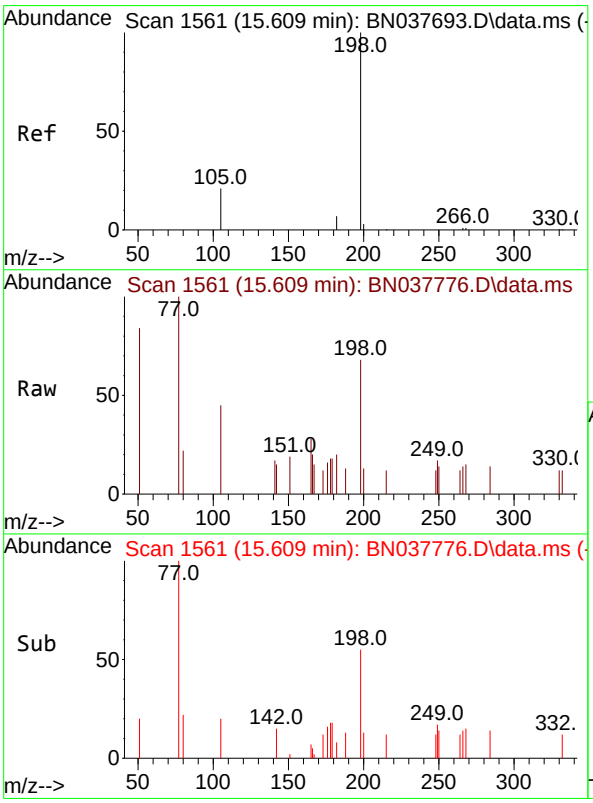
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.235 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN037776.D
Acq: 18 Sep 2025 14:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 14526

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.4	10.6	15.8#

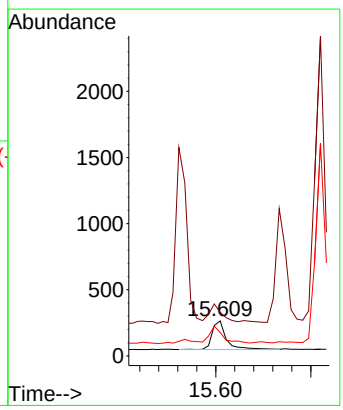


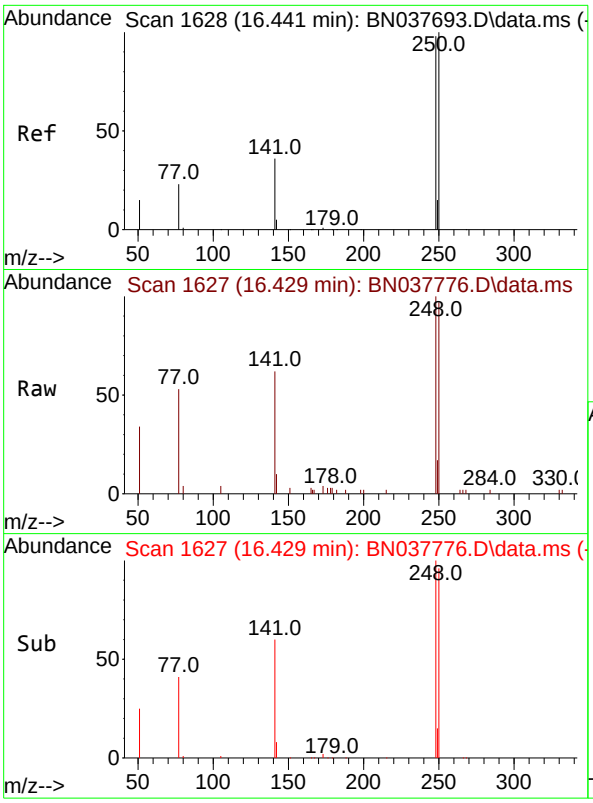


#20
4,6-Dinitro-2-methylphenol
Concen: 0.337 ng
RT: 15.609 min Scan# 1561
Delta R.T. 0.000 min
Lab File: BN037776.D
Acq: 18 Sep 2025 14:32

Tgt Ion:198 Resp: 454

Ion	Ratio	Lower	Upper
198	100		
51	125.0	95.1	142.7
105	67.0	53.8	80.6



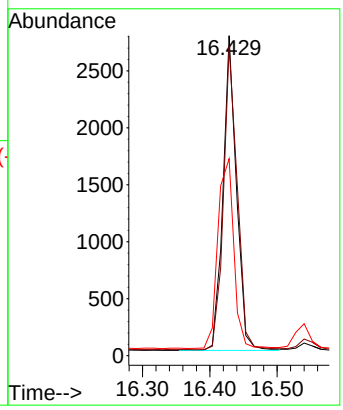


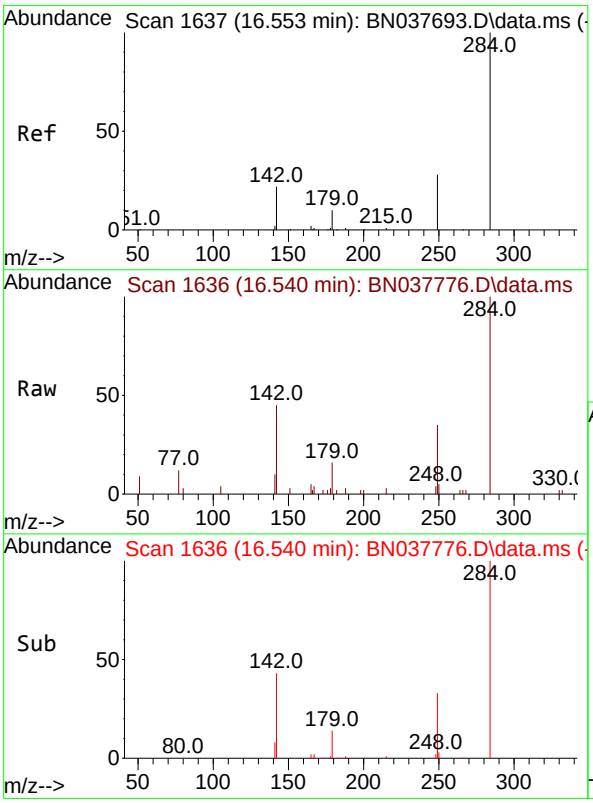
#21
4-Bromophenyl-phenylether
Concen: 0.405 ng
RT: 16.429 min Scan# 1
Delta R.T. -0.013 min
Lab File: BN037776.D
Acq: 18 Sep 2025 14:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:248 Resp: 3832

Ion	Ratio	Lower	Upper
248	100		
250	96.7	81.5	122.3
141	61.6	30.8	46.2#

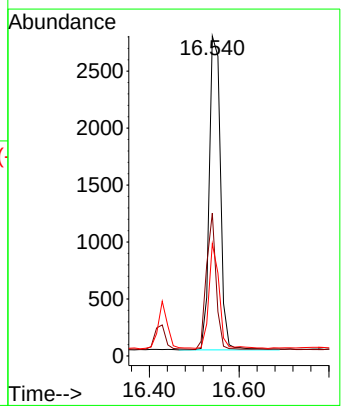


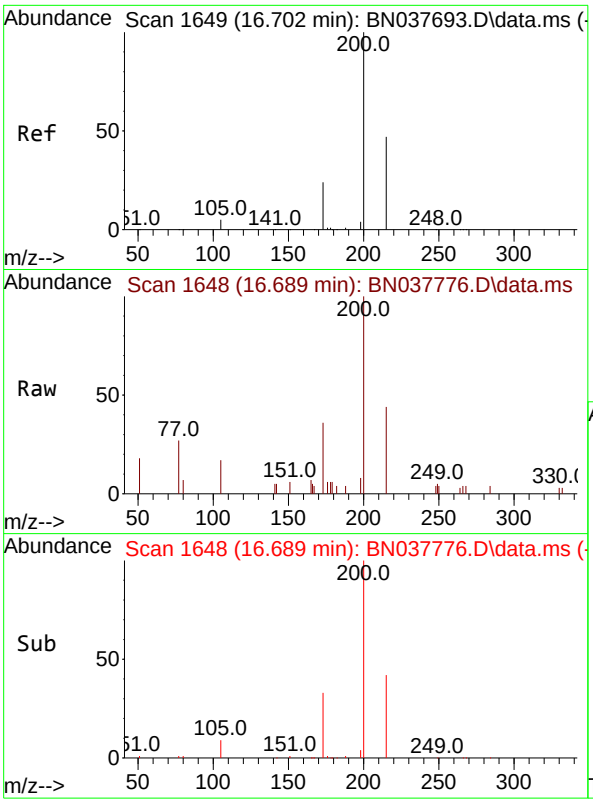


#22
Hexachlorobenzene
Concen: 0.435 ng
RT: 16.540 min Scan# 1636
Delta R.T. -0.013 min
Lab File: BN037776.D
Acq: 18 Sep 2025 14:32

Tgt Ion:284 Resp: 4737

Ion	Ratio	Lower	Upper
284	100		
142	37.4	30.9	46.3
249	31.0	24.8	37.2



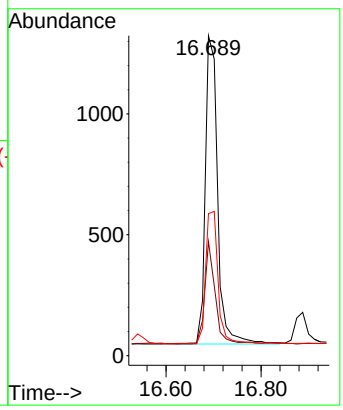


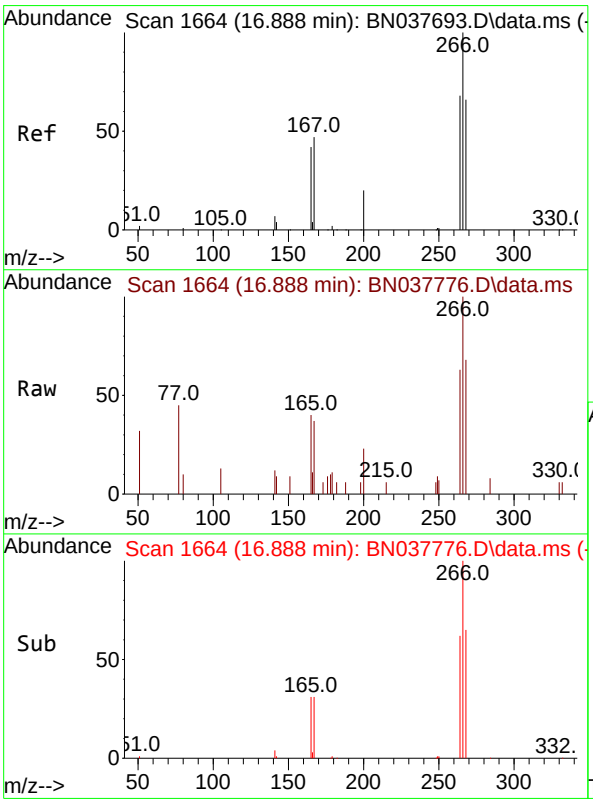
#23
Atrazine
Concen: 0.382 ng
RT: 16.689 min Scan# 1
Delta R.T. -0.013 min
Lab File: BN037776.D
Acq: 18 Sep 2025 14:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:200 Resp: 2300

Ion	Ratio	Lower	Upper
200	100		
173	35.6	21.4	32.2#
215	44.4	39.2	58.8

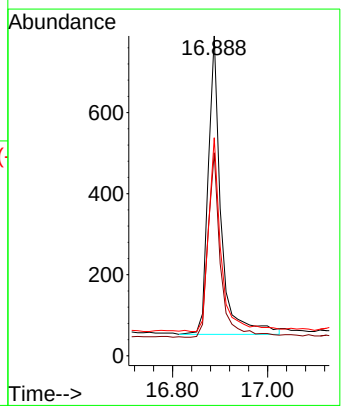


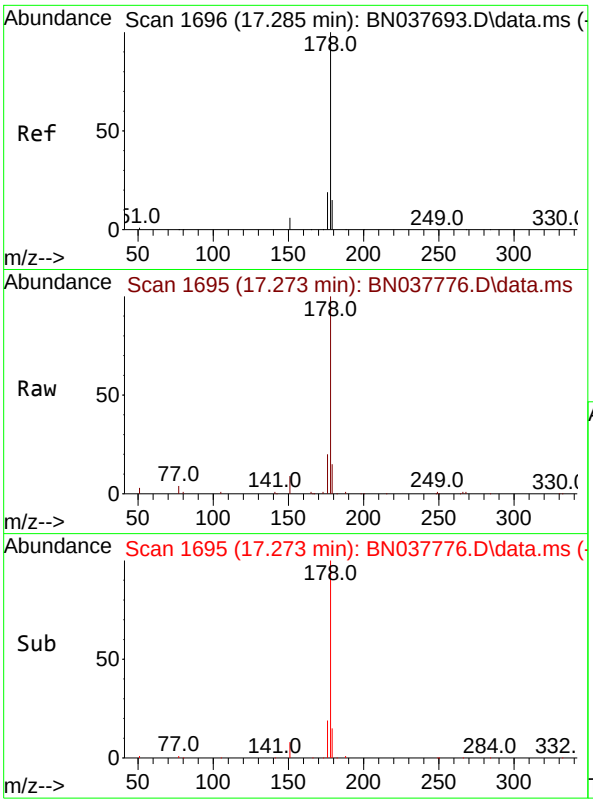


#24
Pentachlorophenol
Concen: 0.438 ng
RT: 16.888 min Scan# 1664
Delta R.T. -0.000 min
Lab File: BN037776.D
Acq: 18 Sep 2025 14:32

Tgt Ion:266 Resp: 1384

Ion	Ratio	Lower	Upper
266	100		
264	60.4	51.6	77.4
268	63.2	53.2	79.8



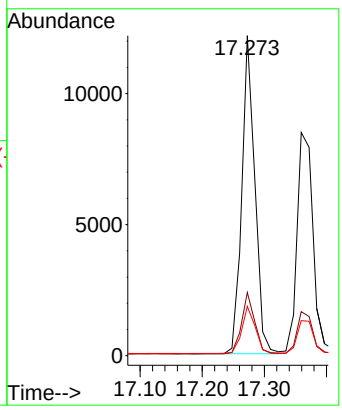


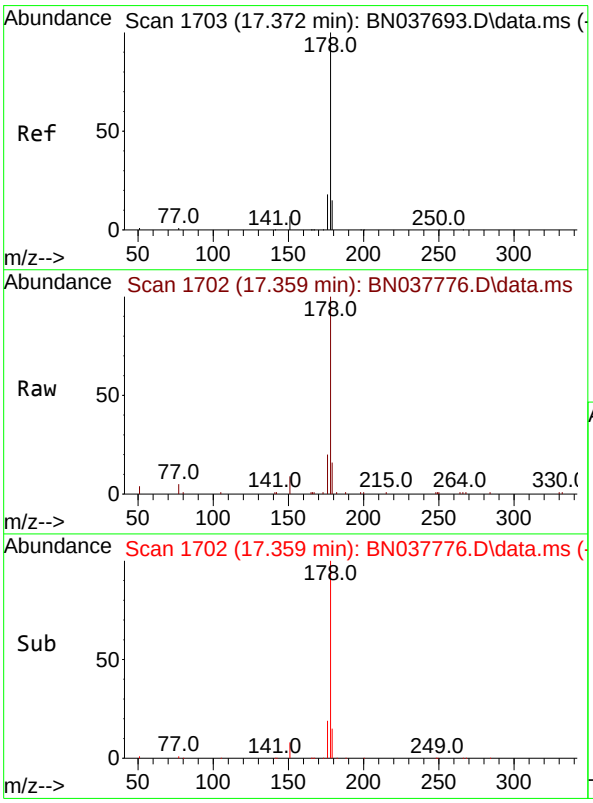
#25
Phenanthrene
Concen: 0.388 ng
RT: 17.273 min Scan# 1
Delta R.T. -0.013 min
Lab File: BN037776.D
Acq: 18 Sep 2025 14:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 17751

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	15.5	12.2	18.2

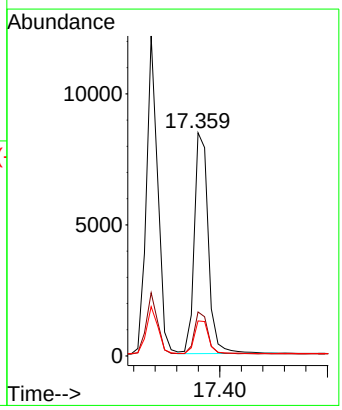


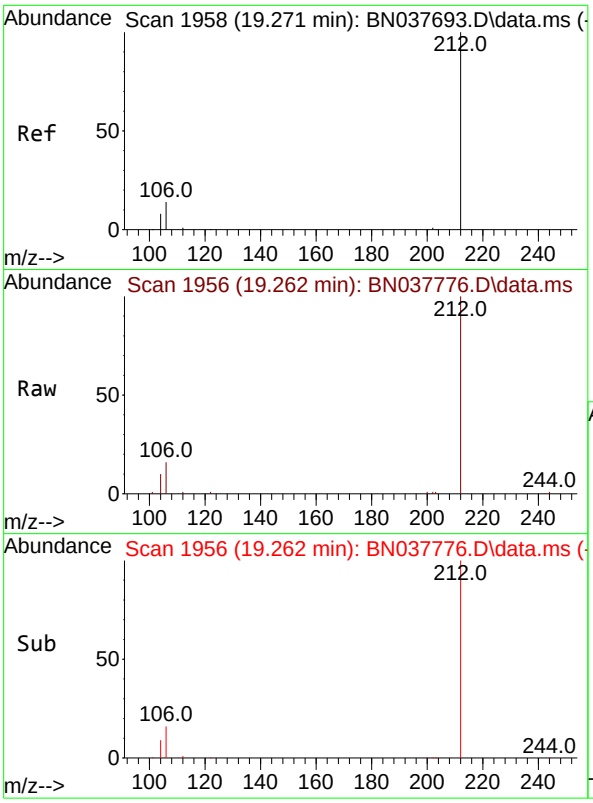


#26
Anthracene
Concen: 0.375 ng
RT: 17.359 min Scan# 1702
Delta R.T. -0.013 min
Lab File: BN037776.D
Acq: 18 Sep 2025 14:32

Tgt Ion:178 Resp: 15208

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.6	22.0
179	15.4	12.2	18.4



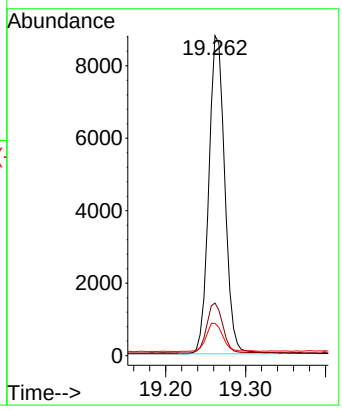


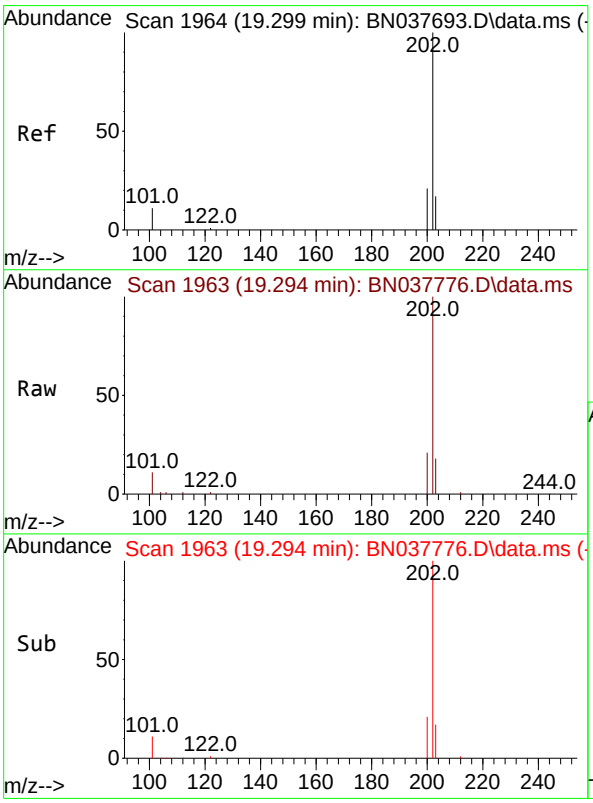
#27
Fluoranthene-d10
Concen: 0.334 ng
RT: 19.262 min Scan# 1
Delta R.T. -0.009 min
Lab File: BN037776.D
Acq: 18 Sep 2025 14:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 12188

Ion	Ratio	Lower	Upper
212	100		
106	15.9	12.2	18.2
104	9.7	6.9	10.3

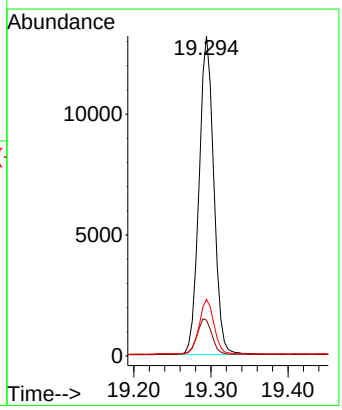


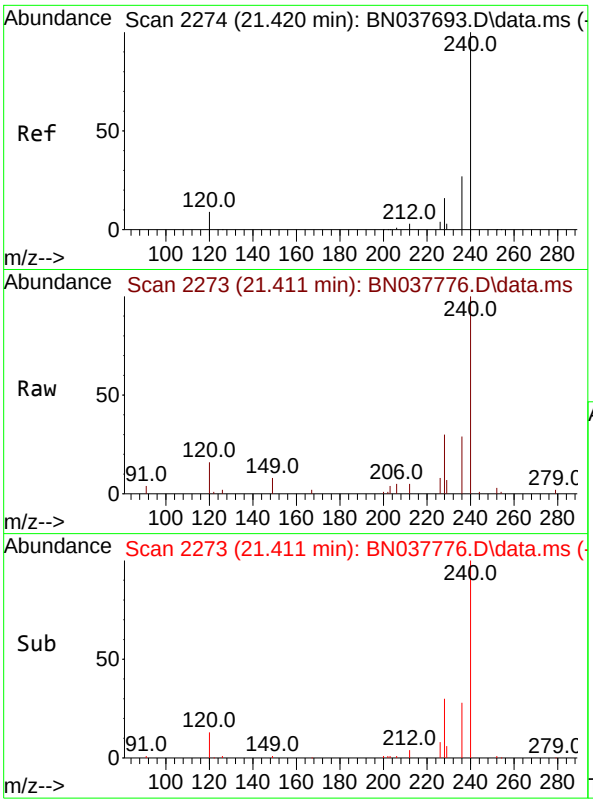


#28
Fluoranthene
Concen: 0.348 ng
RT: 19.294 min Scan# 1963
Delta R.T. -0.005 min
Lab File: BN037776.D
Acq: 18 Sep 2025 14:32

Tgt Ion:202 Resp: 17450

Ion	Ratio	Lower	Upper
202	100		
101	11.7	9.3	13.9
203	17.1	13.7	20.5



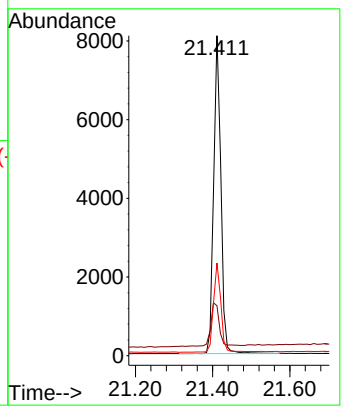


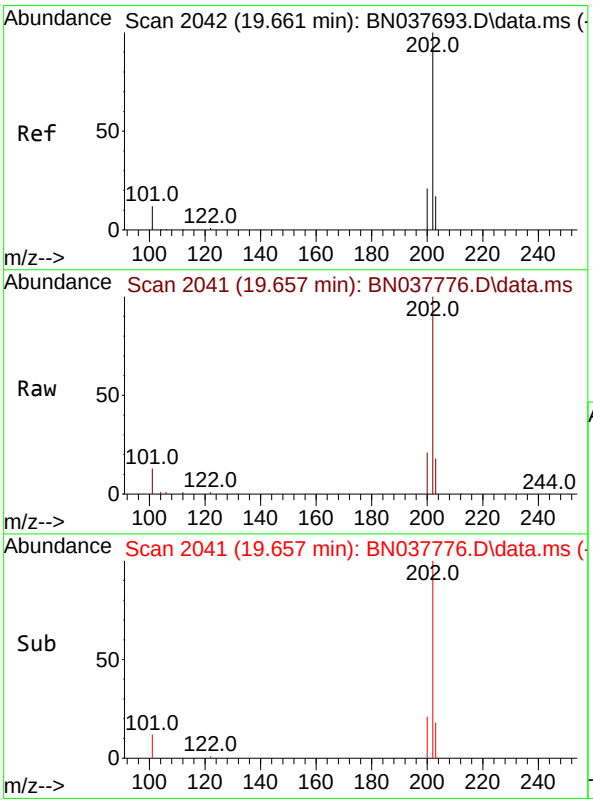
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.411 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037776.D
Acq: 18 Sep 2025 14:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 10438

Ion	Ratio	Lower	Upper
240	100		
120	15.6	9.2	13.8#
236	28.9	22.6	33.8

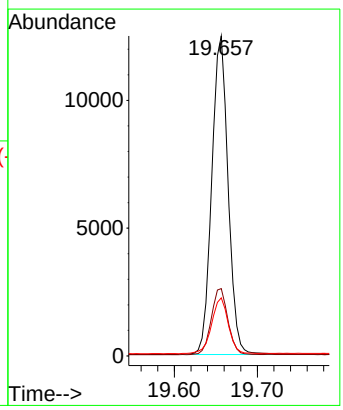


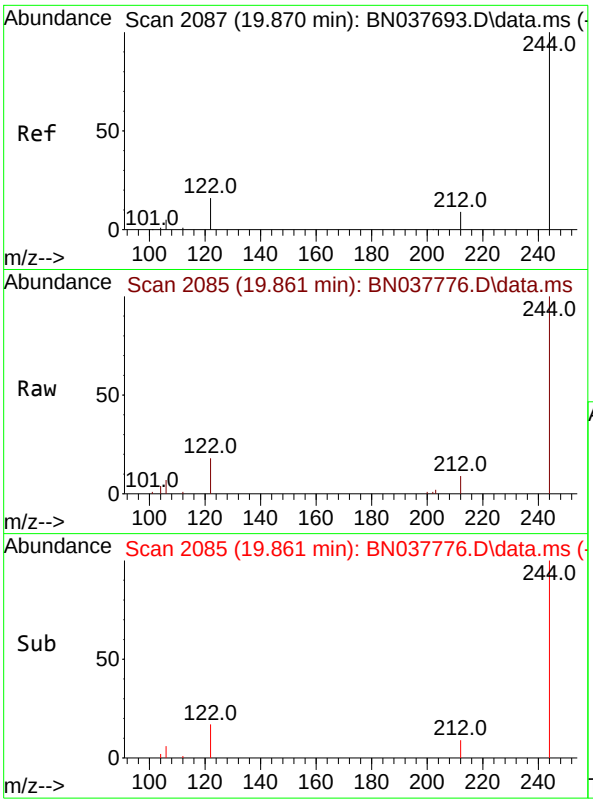


#30
Pyrene
Concen: 0.418 ng
RT: 19.657 min Scan# 2041
Delta R.T. -0.005 min
Lab File: BN037776.D
Acq: 18 Sep 2025 14:32

Tgt Ion:202 Resp: 17087

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.8	25.2
203	17.9	14.3	21.5



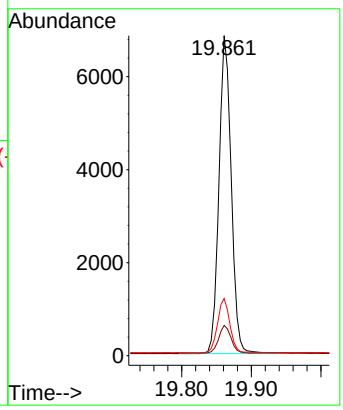


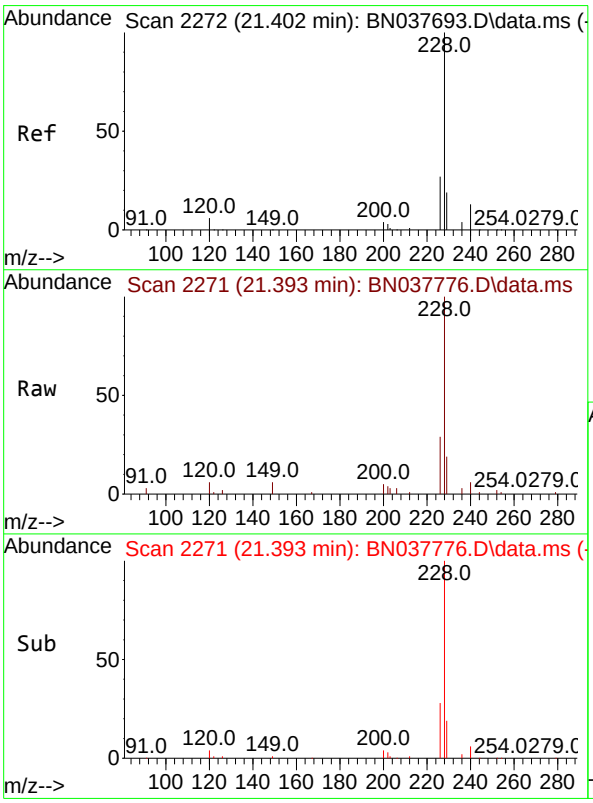
#31
Terphenyl-d14
Concen: 0.394 ng
RT: 19.861 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037776.D
Acq: 18 Sep 2025 14:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 8356

Ion	Ratio	Lower	Upper
244	100		
212	9.5	7.5	11.3
122	17.8	13.2	19.8

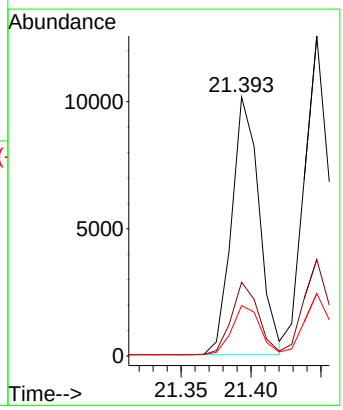


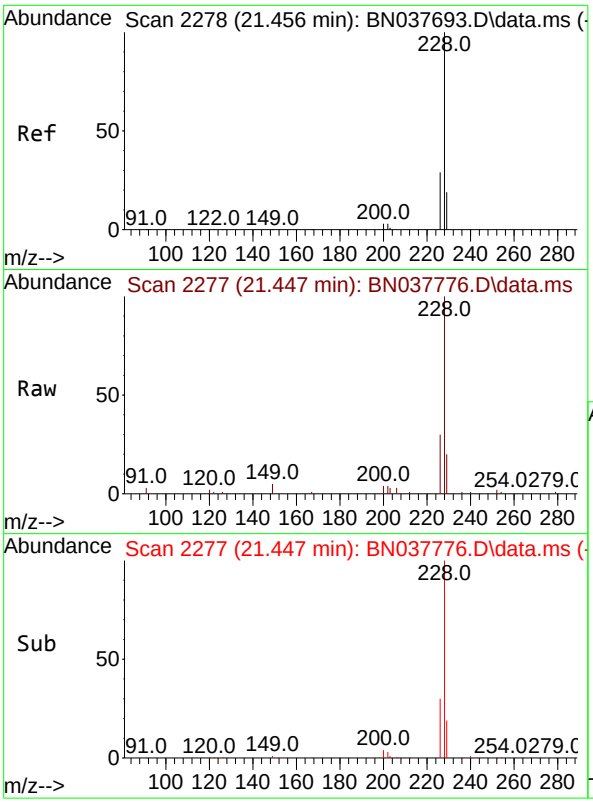


#32
Benzo(a)anthracene
Concen: 0.381 ng
RT: 21.393 min Scan# 2271
Delta R.T. -0.009 min
Lab File: BN037776.D
Acq: 18 Sep 2025 14:32

Tgt Ion:228 Resp: 13864

Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.2	33.2
229	19.4	15.8	23.6



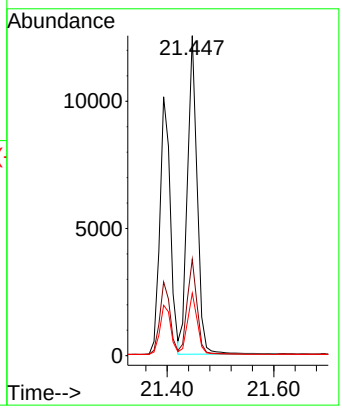


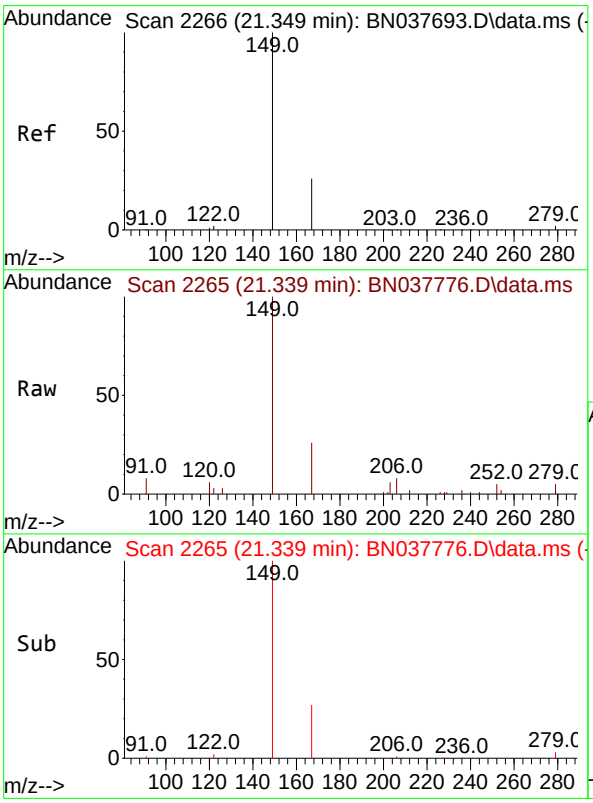
#33
Chrysene
Concen: 0.408 ng
RT: 21.447 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037776.D
Acq: 18 Sep 2025 14:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 15945

Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.5	35.3
229	19.6	15.9	23.9

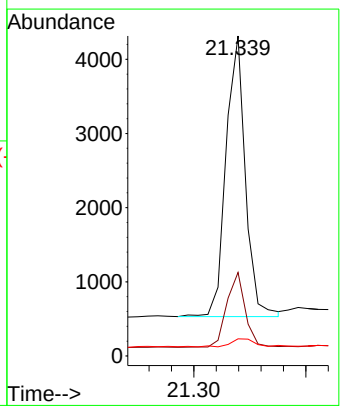


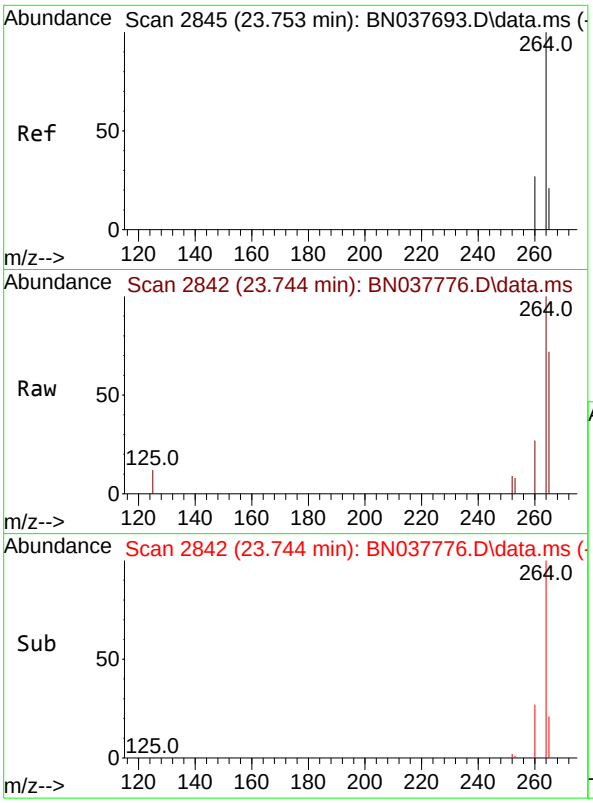


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.422 ng
RT: 21.339 min Scan# 2265
Delta R.T. -0.009 min
Lab File: BN037776.D
Acq: 18 Sep 2025 14:32

Tgt Ion:149 Resp: 4553

Ion	Ratio	Lower	Upper
149	100		
167	26.0	20.8	31.2
279	3.6	3.3	4.9



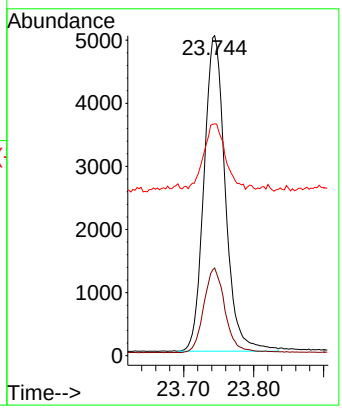


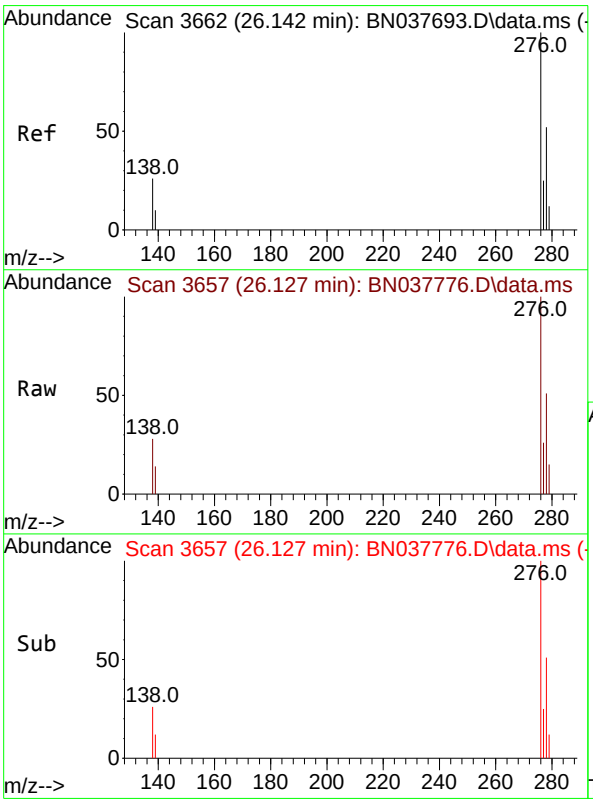
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.744 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037776.D
Acq: 18 Sep 2025 14:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:264 Resp: 10600

Ion	Ratio	Lower	Upper
264	100		
260	27.4	21.8	32.8
265	72.4	39.4	59.2#

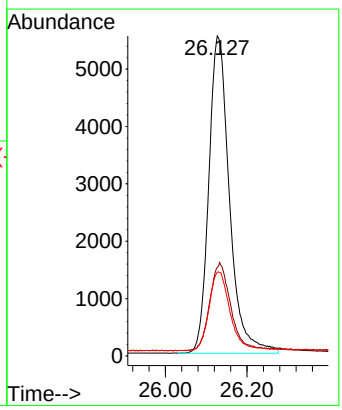


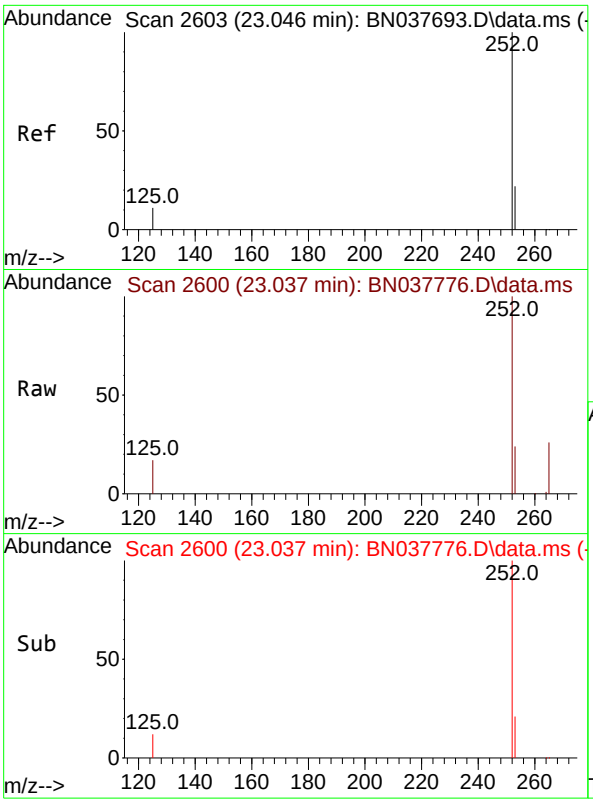


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.437 ng
RT: 26.127 min Scan# 3657
Delta R.T. -0.015 min
Lab File: BN037776.D
Acq: 18 Sep 2025 14:32

Tgt Ion:276 Resp: 19472

Ion	Ratio	Lower	Upper
276	100		
138	27.6	21.9	32.9
277	25.3	20.1	30.1



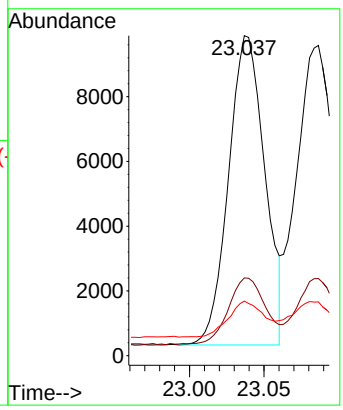


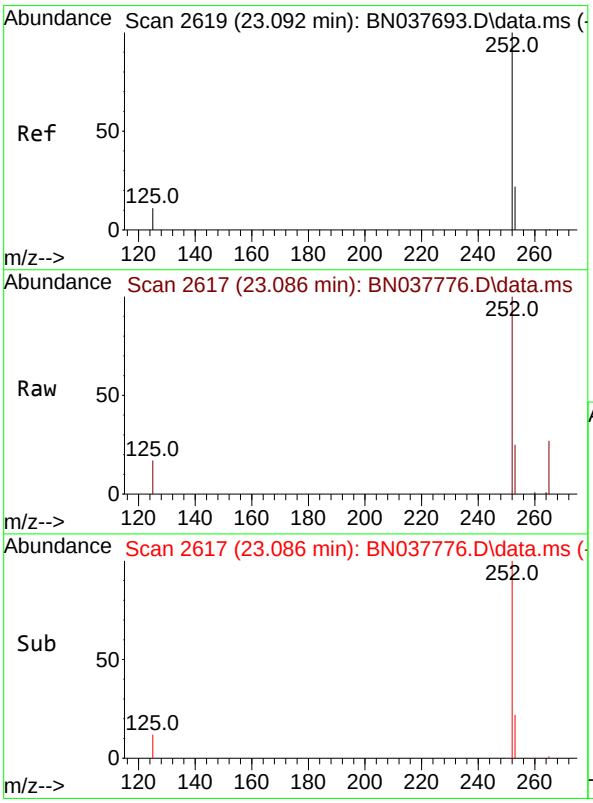
#37
Benzo(b)fluoranthene
Concen: 0.387 ng
RT: 23.037 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037776.D
Acq: 18 Sep 2025 14:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 16161

Ion	Ratio	Lower	Upper
252	100		
253	24.3	19.4	29.2
125	17.1	11.2	16.8#

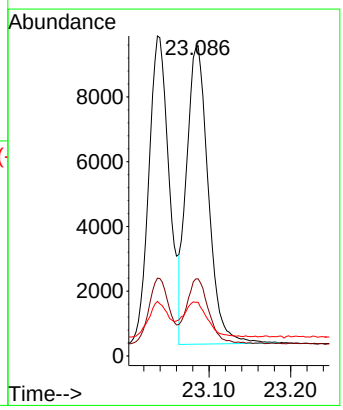


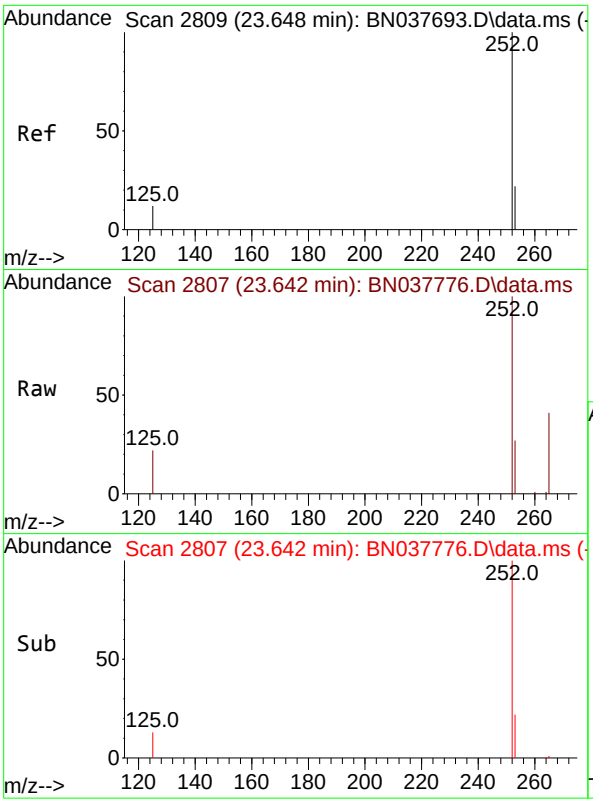


#38
Benzo(k)fluoranthene
Concen: 0.402 ng
RT: 23.086 min Scan# 2617
Delta R.T. -0.006 min
Lab File: BN037776.D
Acq: 18 Sep 2025 14:32

Tgt Ion:252 Resp: 17089

Ion	Ratio	Lower	Upper
252	100		
253	24.9	19.4	29.0
125	17.3	11.6	17.4



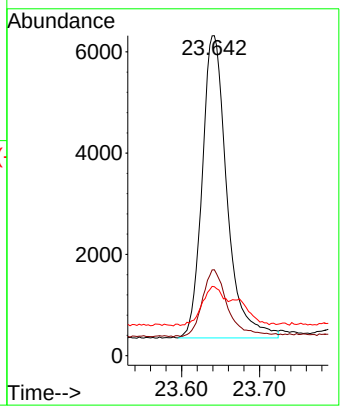


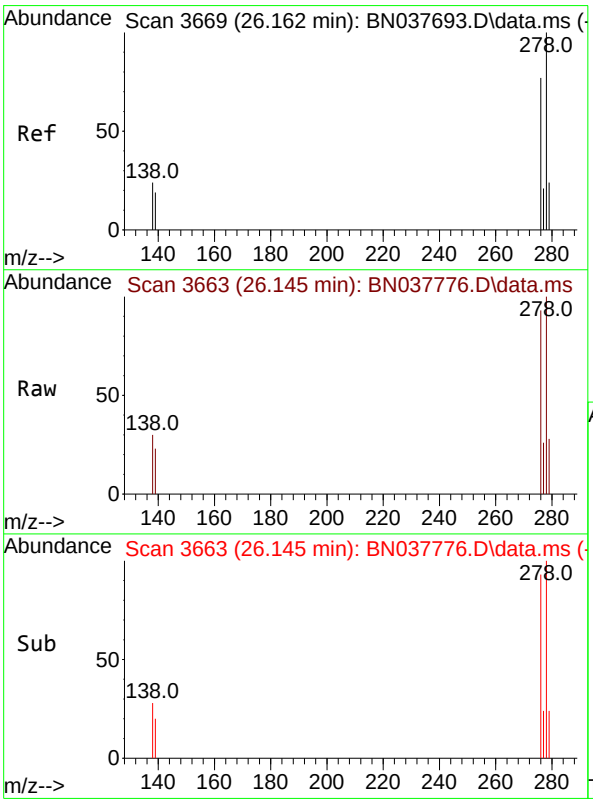
#39
Benzo(a)pyrene
Concen: 0.394 ng
RT: 23.642 min Scan# 2
Delta R.T. -0.006 min
Lab File: BN037776.D
Acq: 18 Sep 2025 14:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 13152

Ion	Ratio	Lower	Upper
252	100		
253	26.9	20.8	31.2
125	21.6	13.9	20.9#

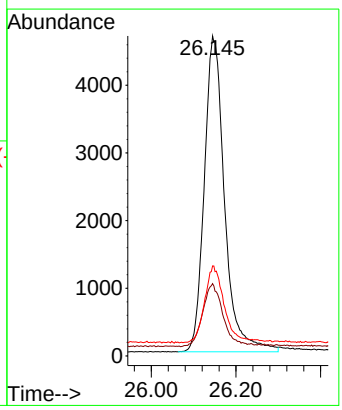


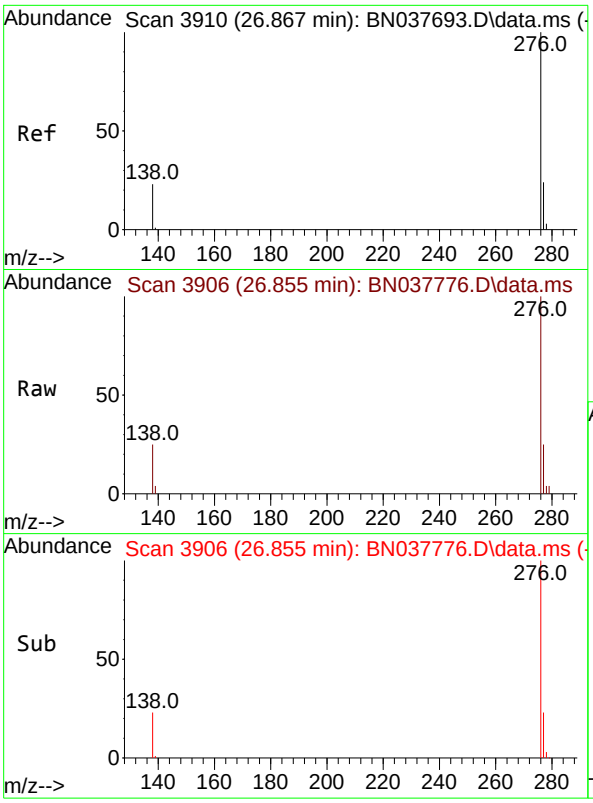


#40
Dibenzo(a,h)anthracene
Concen: 0.436 ng
RT: 26.145 min Scan# 3663
Delta R.T. -0.018 min
Lab File: BN037776.D
Acq: 18 Sep 2025 14:32

Tgt Ion:278 Resp: 15512

Ion	Ratio	Lower	Upper
278	100		
139	22.6	17.8	26.6
279	28.2	22.0	33.0



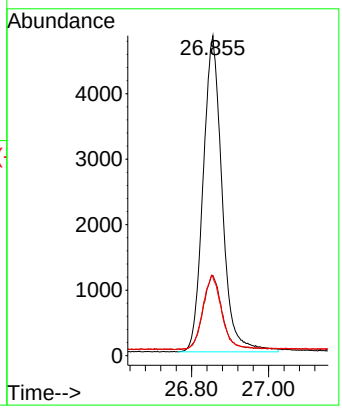


#41
Benzo(g,h,i)perylene
Concen: 0.413 ng
RT: 26.855 min Scan# 3
Delta R.T. -0.012 min
Lab File: BN037776.D
Acq: 18 Sep 2025 14:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 16486

Ion	Ratio	Lower	Upper
276	100		
277	25.1	20.6	31.0
138	24.5	20.2	30.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091825\
Data File : BN037776.D
Acq On : 18 Sep 2025 14:32
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Quant Time: Sep 18 15:01:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	143	0.00
2		1,4-Dioxane	0.417	0.428	-2.6	145	0.00
3		n-Nitrosodimethylamine	0.544	0.513	5.7	130	0.00
4	S	2-Fluorophenol	0.918	0.890	3.1	143	0.00
5	S	Phenol-d6	1.191	1.130	5.1	140	0.00
6		bis(2-Chloroethyl)ether	1.064	1.059	0.5	141	0.00
7	I	Naphthalene-d8	1.000	1.000	0.0	143	-0.01
8	S	Nitrobenzene-d5	0.293	0.298	-1.7	150	-0.01
9		Naphthalene	1.093	1.070	2.1	143	0.00
10		Hexachlorobutadiene	0.198	0.198	0.0	144	-0.01
11	SURR	2-Methylnaphthalene-d10	0.530	0.497	6.2	143	-0.01
12		2-Methylnaphthalene	0.676	0.655	3.1	142	-0.01
13	I	Acenaphthene-d10	1.000	1.000	0.0	140	-0.01
14	S	2,4,6-Tribromophenol	0.104	0.114	-9.6	158#	0.00
15	S	2-Fluorobiphenyl	1.673	1.679	-0.4	143	0.00
16		Acenaphthylene	1.834	1.744	4.9	137	0.00
17		Acenaphthene	1.240	1.206	2.7	139	-0.01
18		Fluorene	1.502	1.397	7.0	136	0.00
19	I	Phenanthrene-d10	1.000	1.000	0.0	129	0.00
20		4,6-Dinitro-2-methylphenol	0.037	0.031	16.2	122	0.00
21		4-Bromophenyl-phenylether	0.261	0.264	-1.1	136	-0.01
22		Hexachlorobenzene	0.300	0.326	-8.7	143	-0.01
23		Atrazine	0.166	0.158	4.8	135	-0.01
24		Pentachlorophenol	0.087	0.095	-9.2	165#	0.00
25		Phenanthrene	1.259	1.222	2.9	129	-0.01
26		Anthracene	1.116	1.047	6.2	126	-0.01
27	SURR	Fluoranthene-d10	1.004	0.839	16.4	116	0.00
28		Fluoranthene	1.381	1.201	13.0	118	0.00
29	I	Chrysene-d12	1.000	1.000	0.0	111	0.00
30		Pyrene	1.566	1.637	-4.5	117	0.00
31	S	Terphenyl-d14	0.812	0.801	1.4	111	0.00
32		Benzo(a)anthracene	1.395	1.328	4.8	110	0.00
33		Chrysene	1.496	1.528	-2.1	114	0.00
34		Bis(2-ethylhexyl)phthalate	0.414	0.436	-5.3	129	0.00
35	I	Perylene-d12	1.000	1.000	0.0	118	0.00
36		Indeno(1,2,3-cd)pyrene	1.681	1.837	-9.3	141	-0.01
37		Benzo(b)fluoranthene	1.575	1.525	3.2	116	0.00
38		Benzo(k)fluoranthene	1.606	1.612	-0.4	125	0.00
39	C	Benzo(a)pyrene	1.261	1.241	1.6	122	0.00
40		Dibenzo(a,h)anthracene	1.342	1.463	-9.0	143	-0.02
41		Benzo(g,h,i)perylene	1.506	1.555	-3.3	127	-0.01

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091825\
Data File : BN037776.D
Acq On : 18 Sep 2025 14:32
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Quant Time: Sep 18 15:01:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	0.400	0.400	0.0	143	0.00
2		1,4-Dioxane	0.400	0.411	-2.7	145	0.00
3		n-Nitrosodimethylamine	0.400	0.377	5.8	130	0.00
4	S	2-Fluorophenol	0.400	0.388	3.0	143	0.00
5	S	Phenol-d6	0.400	0.380	5.0	140	0.00
6		bis(2-Chloroethyl)ether	0.400	0.398	0.5	141	0.00
7	I	Naphthalene-d8	0.400	0.400	0.0	143	-0.01
8	S	Nitrobenzene-d5	0.400	0.407	-1.7	150	-0.01
9		Naphthalene	0.400	0.391	2.3	143	0.00
10		Hexachlorobutadiene	0.400	0.400	0.0	144	-0.01
11	SURR	2-Methylnaphthalene-d10	0.400	0.375	6.3	143	-0.01
12		2-Methylnaphthalene	0.400	0.387	3.3	142	-0.01
13	I	Acenaphthene-d10	0.400	0.400	0.0	140	-0.01
14	S	2,4,6-Tribromophenol	0.400	0.436	-9.0	158	0.00
15	S	2-Fluorobiphenyl	0.400	0.401	-0.3	143	0.00
16		Acenaphthylene	0.400	0.380	5.0	137	0.00
17		Acenaphthene	0.400	0.389	2.8	139	-0.01
18		Fluorene	0.400	0.372	7.0	136	0.00
19	I	Phenanthrene-d10	0.400	0.400	0.0	129	0.00
20		4,6-Dinitro-2-methylphenol	0.400	0.337	15.8	122	0.00
21		4-Bromophenyl-phenylether	0.400	0.405	-1.3	136	-0.01
22		Hexachlorobenzene	0.400	0.435	-8.7	143	-0.01
23		Atrazine	0.400	0.382	4.5	135	-0.01
24		Pentachlorophenol	0.400	0.438	-9.5	165	0.00
25		Phenanthrene	0.400	0.388	3.0	129	-0.01
26		Anthracene	0.400	0.375	6.3	126	-0.01
27	SURR	Fluoranthene-d10	0.400	0.334	16.5	116	0.00
28		Fluoranthene	0.400	0.348	13.0	118	0.00
29	I	Chrysene-d12	0.400	0.400	0.0	111	0.00
30		Pyrene	0.400	0.418	-4.5	117	0.00
31	S	Terphenyl-d14	0.400	0.394	1.5	111	0.00
32		Benzo(a)anthracene	0.400	0.381	4.8	110	0.00
33		Chrysene	0.400	0.408	-2.0	114	0.00
34		Bis(2-ethylhexyl)phthalate	0.400	0.422	-5.5	129	0.00
35	I	Perylene-d12	0.400	0.400	0.0	118	0.00
36		Indeno(1,2,3-cd)pyrene	0.400	0.437	-9.2	141	-0.01
37		Benzo(b)fluoranthene	0.400	0.387	3.3	116	0.00
38		Benzo(k)fluoranthene	0.400	0.402	-0.5	125	0.00
39	C	Benzo(a)pyrene	0.400	0.394	1.5	122	0.00
40		Dibenzo(a,h)anthracene	0.400	0.436	-9.0	143	-0.02
41		Benzo(g,h,i)perylene	0.400	0.413	-3.2	127	-0.01

(#) = 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:	Alliance	Contract:	AECO15
Lab Code:	ACE	SDG No.:	Q3095
Instrument ID:	BNA_N	Calibration Date/Time:	09/19/2025 00:52
Lab File ID:	BN037793.D	Init. Calib. Date(s):	09/11/2025 09/11/2025
EPA Sample No.:	SSTDCCC0.4EC	Init. Calib. Time(s):	09:56 13:33

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.530	0.496		-6.4	50.0
Fluoranthene-d10	1.004	0.954		-5.0	50.0
2-Fluorophenol	0.918	0.923		0.5	50.0
Phenol-d6	1.191	1.148		-3.6	50.0
Nitrobenzene-d5	0.293	0.295		0.7	50.0
2-Fluorobiphenyl	1.673	1.632		-2.5	50.0
2,4,6-Tribromophenol	0.104	0.127		22.1	50.0
Terphenyl-d14	0.812	0.785		-3.3	50.0
1,4-Dioxane	0.417	0.436		4.6	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\BN091825\
Data File : BN037793.D
Acq On : 19 Sep 2025 00:52
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Quant Time: Sep 19 04:13:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

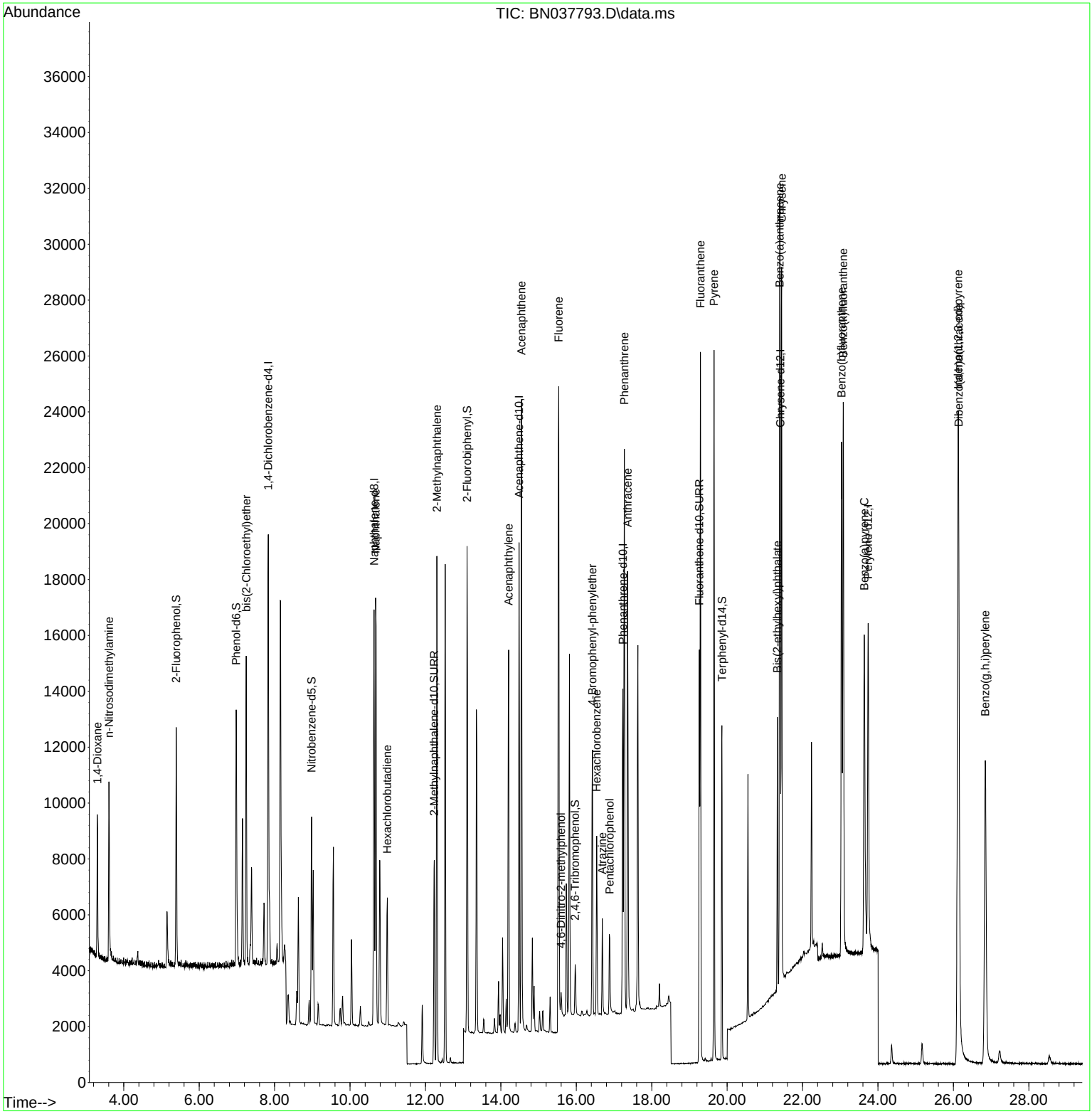
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.833	152	7441	0.400	ng		0.00
7) Naphthalene-d8	10.637	136	19492	0.400	ng		-0.01
13) Acenaphthene-d10	14.484	164	9091	0.400	ng		-0.01
19) Phenanthrene-d10	17.235	188	16806	0.400	ng	#	0.00
29) Chrysene-d12	21.411	240	15128	0.400	ng		0.00
35) Perylene-d12	23.739	264	15864	0.400	ng	#	-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.392	112	6868	0.402	ng		0.00
5) Phenol-d6	6.981	99	8539	0.386	ng		0.00
8) Nitrobenzene-d5	8.982	82	5756	0.404	ng		-0.01
11) 2-Methylnaphthalene-d10	12.233	152	9662	0.374	ng		-0.01
14) 2,4,6-Tribromophenol	15.969	330	1156	0.488	ng		-0.01
15) 2-Fluorobiphenyl	13.105	172	14833	0.390	ng		-0.01
27) Fluoranthene-d10	19.262	212	16028	0.380	ng		0.00
31) Terphenyl-d14	19.861	244	11883	0.387	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.304	88	3241	0.418	ng		98
3) n-Nitrosodimethylamine	3.608	42	3766	0.372	ng		88
6) bis(2-Chloroethyl)ether	7.248	93	7648	0.386	ng		100
9) Naphthalene	10.680	128	20919	0.393	ng		100
10) Hexachlorobutadiene	10.989	225	3750	0.389	ng	#	100
12) 2-Methylnaphthalene	12.304	142	12695	0.385	ng		99
16) Acenaphthylene	14.206	152	15704	0.377	ng		99
17) Acenaphthene	14.548	154	10816	0.384	ng		98
18) Fluorene	15.535	166	13166	0.386	ng		98
20) 4,6-Dinitro-2-methylph...	15.597	198	563	0.362	ng	#	81
21) 4-Bromophenyl-phenylether	16.429	248	4194	0.383	ng	#	94
22) Hexachlorobenzene	16.540	284	5004	0.397	ng		98
23) Atrazine	16.689	200	2701	0.387	ng		95
24) Pentachlorophenol	16.888	266	1719	0.470	ng		99
25) Phenanthrene	17.273	178	20559	0.389	ng		100
26) Anthracene	17.360	178	17722	0.378	ng		100
28) Fluoranthene	19.294	202	22839	0.394	ng		100
30) Pyrene	19.652	202	22743	0.384	ng		100
32) Benzo(a)anthracene	21.393	228	20290	0.385	ng		100
33) Chrysene	21.447	228	22567	0.399	ng		100
34) Bis(2-ethylhexyl)phtha...	21.331	149	8520	0.545	ng		99
36) Indeno(1,2,3-cd)pyrene	26.124	276	31159	0.467	ng		99
37) Benzo(b)fluoranthene	23.034	252	24537	0.393	ng		99
38) Benzo(k)fluoranthene	23.078	252	26227	0.412	ng		99
39) Benzo(a)pyrene	23.636	252	19199	0.384	ng		98
40) Dibenzo(a,h)anthracene	26.139	278	24445	0.459	ng		98
41) Benzo(g,h,i)perylene	26.846	276	24646	0.413	ng		97

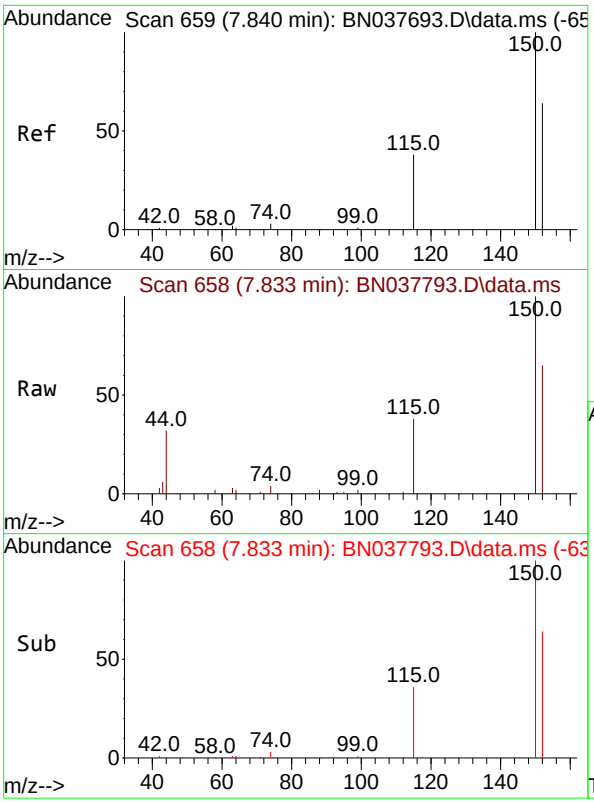
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091825\
Data File : BN037793.D
Acq On : 19 Sep 2025 00:52
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Quant Time: Sep 19 04:13:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration



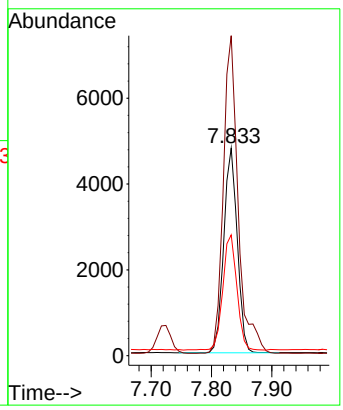


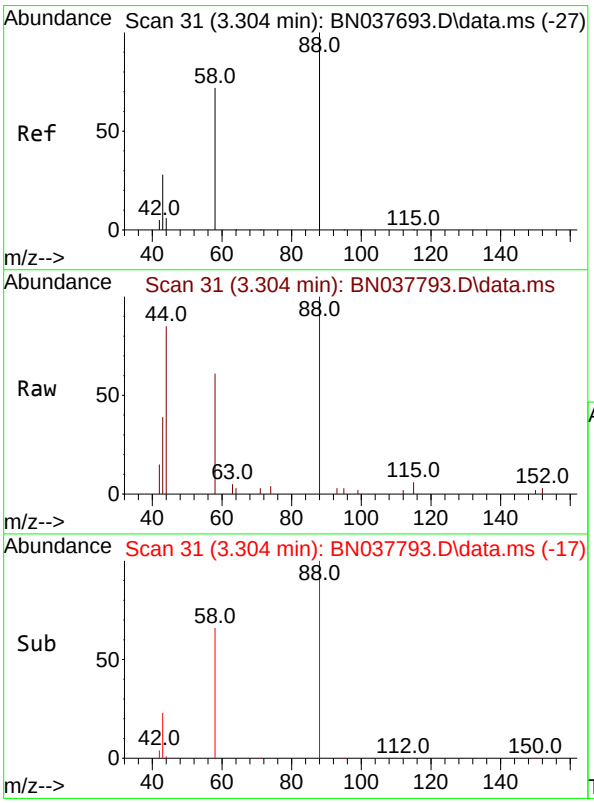
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.833 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN037793.D
Acq: 19 Sep 2025 00:52

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 7441

Ion	Ratio	Lower	Upper
152	100		
150	154.3	124.5	186.7
115	58.3	49.2	73.8

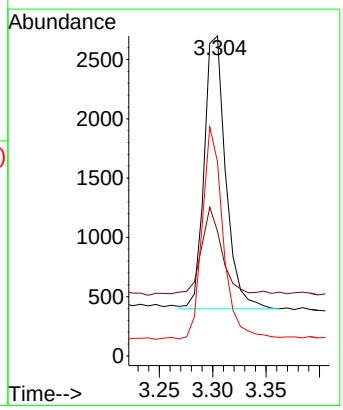


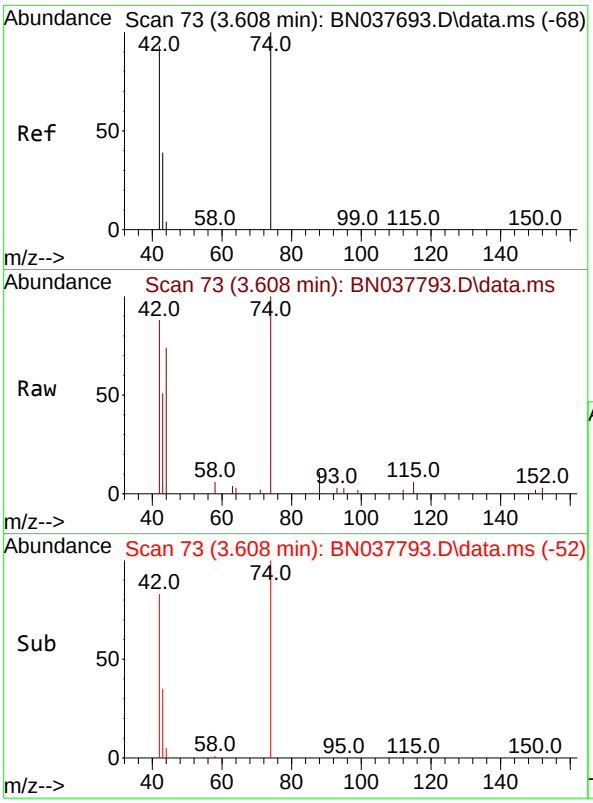


#2
1,4-Dioxane
Concen: 0.418 ng
RT: 3.304 min Scan# 31
Delta R.T. -0.000 min
Lab File: BN037793.D
Acq: 19 Sep 2025 00:52

Tgt Ion: 88 Resp: 3241

Ion	Ratio	Lower	Upper
88	100		
43	31.9	26.8	40.2
58	76.1	61.9	92.9



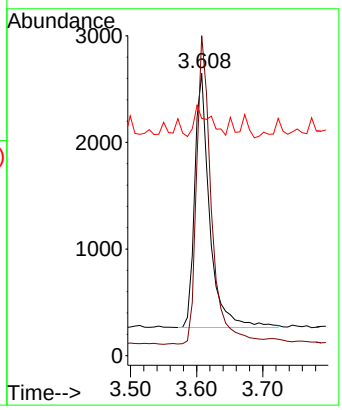


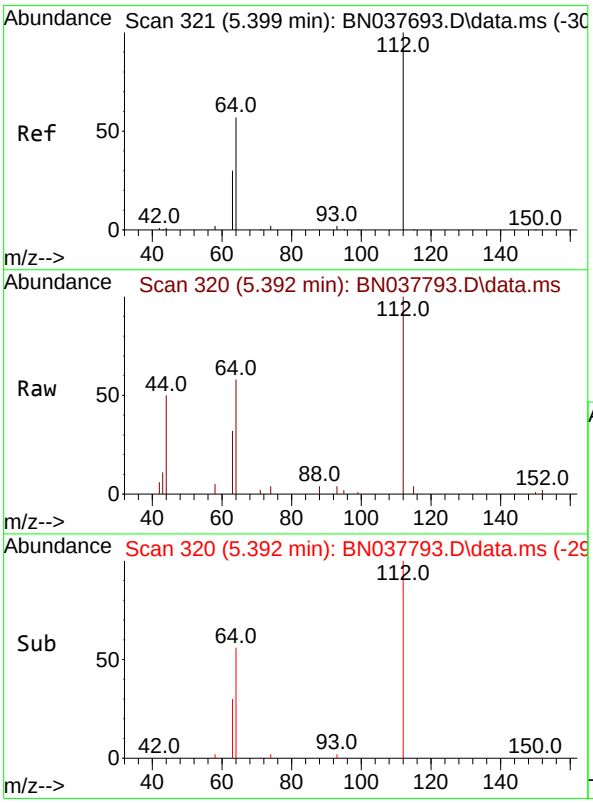
#3
n-Nitrosodimethylamine
Concen: 0.372 ng
RT: 3.608 min Scan# 7
Delta R.T. -0.000 min
Lab File: BN037793.D
Acq: 19 Sep 2025 00:52

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 42 Resp: 3766

Ion	Ratio	Lower	Upper
42	100		
74	120.8	86.0	129.0
44	12.6	8.4	12.6

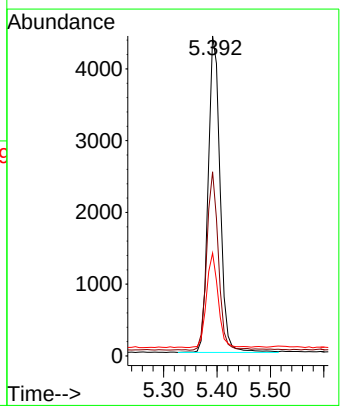


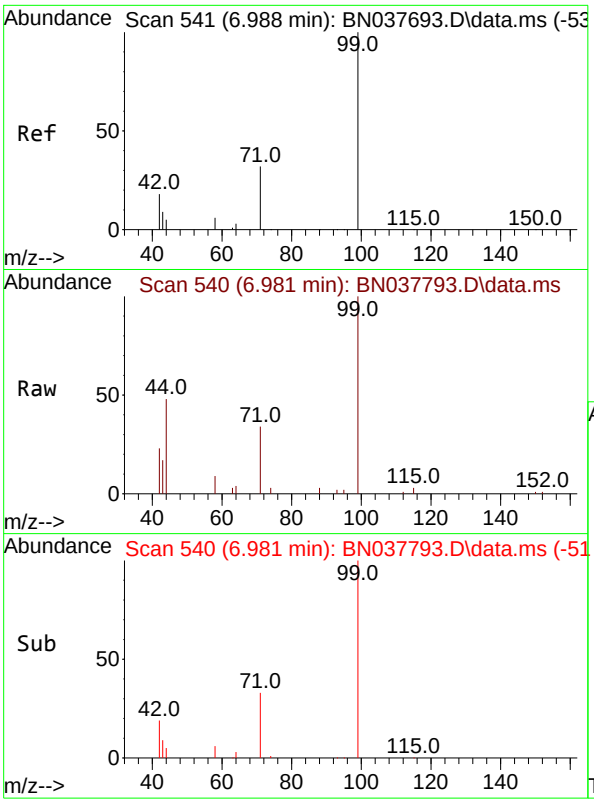


#4
2-Fluorophenol
Concen: 0.402 ng
RT: 5.392 min Scan# 320
Delta R.T. -0.007 min
Lab File: BN037793.D
Acq: 19 Sep 2025 00:52

Tgt Ion:112 Resp: 6868

Ion	Ratio	Lower	Upper
112	100		
64	55.9	44.9	67.3
63	29.2	24.7	37.1



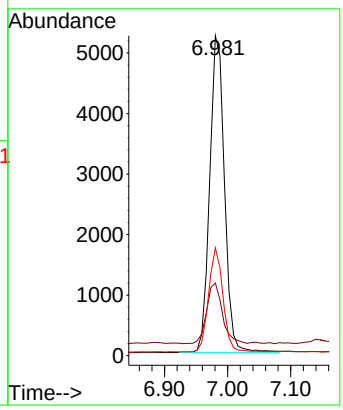


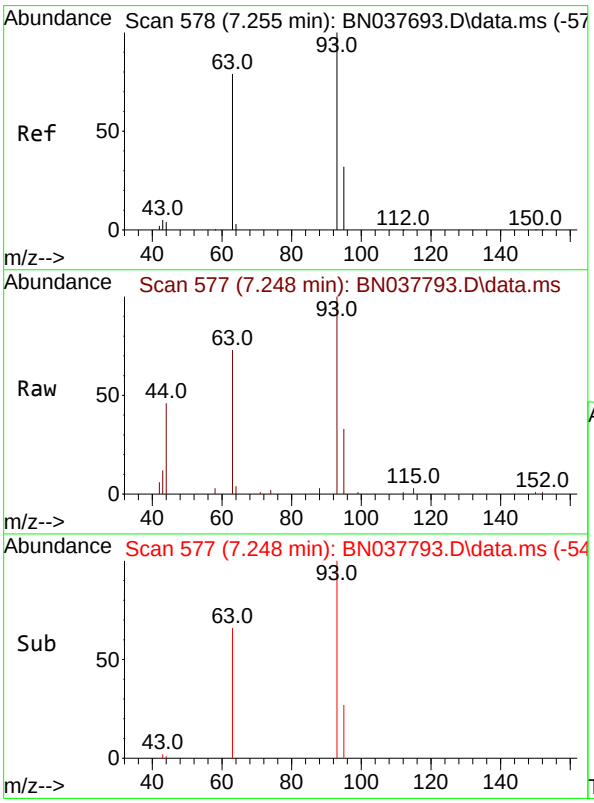
#5
Phenol-d6
Concen: 0.386 ng
RT: 6.981 min Scan# 54
Delta R.T. -0.007 min
Lab File: BN037793.D
Acq: 19 Sep 2025 00:52

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 99 Resp: 8539

Ion	Ratio	Lower	Upper
99	100		
42	20.3	16.6	24.8
71	32.6	26.7	40.1

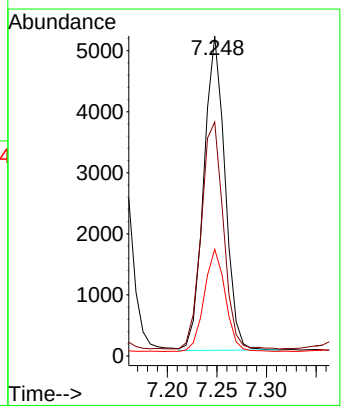


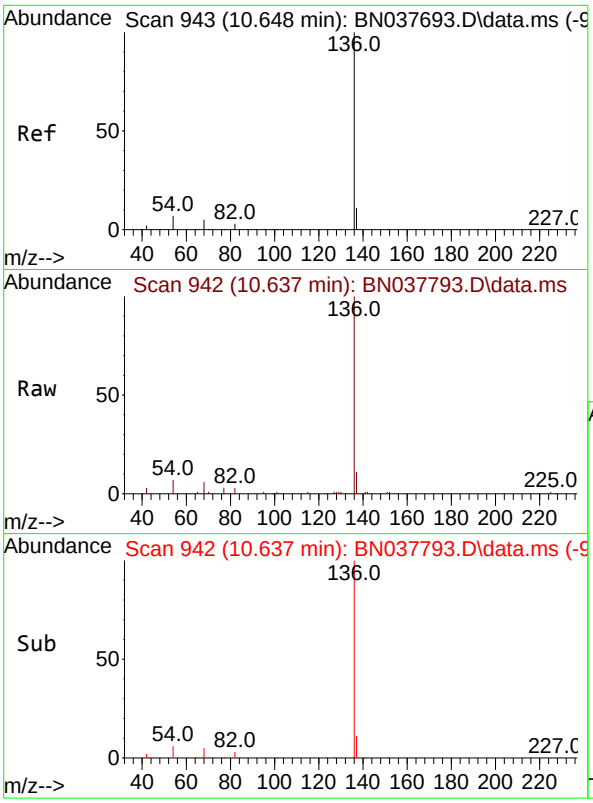


#6
bis(2-Chloroethyl)ether
Concen: 0.386 ng
RT: 7.248 min Scan# 577
Delta R.T. -0.007 min
Lab File: BN037793.D
Acq: 19 Sep 2025 00:52

Tgt Ion: 93 Resp: 7648

Ion	Ratio	Lower	Upper
93	100		
63	75.3	60.6	90.8
95	32.6	26.0	39.0



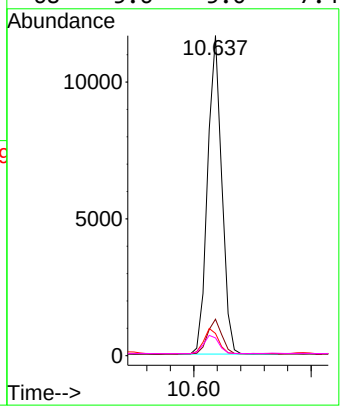


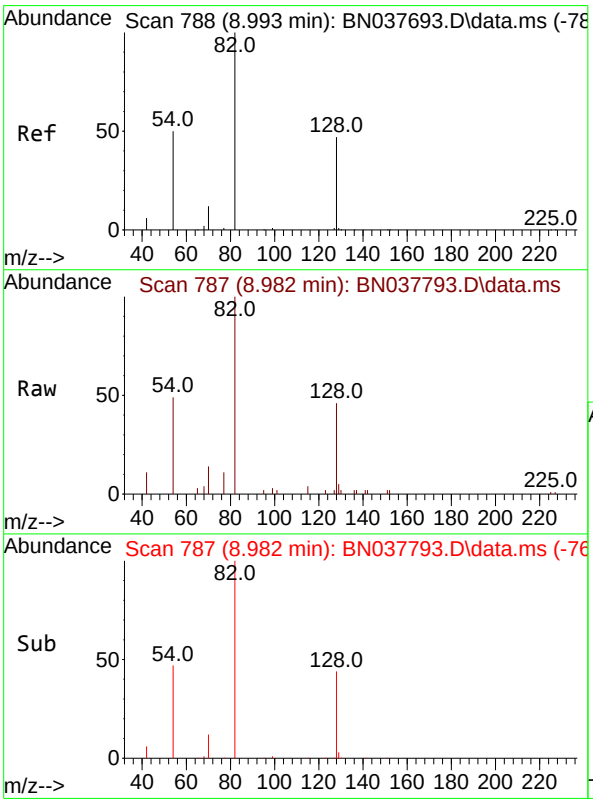
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.637 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037793.D
Acq: 19 Sep 2025 00:52

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:136 Resp: 19492

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	6.9	6.3	9.5
68	5.6	5.0	7.4

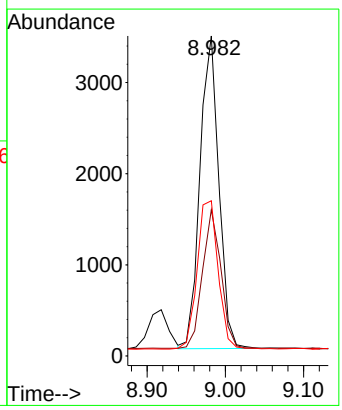


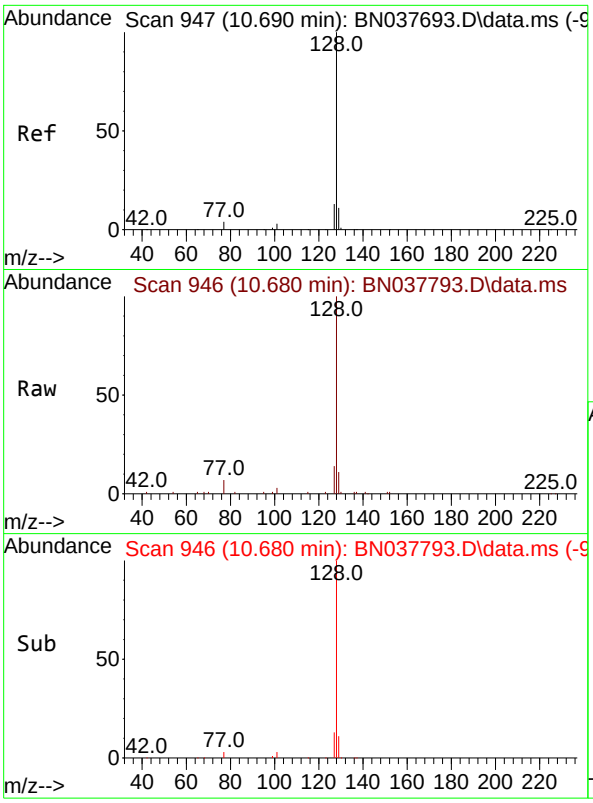


#8
Nitrobenzene-d5
Concen: 0.404 ng
RT: 8.982 min Scan# 787
Delta R.T. -0.011 min
Lab File: BN037793.D
Acq: 19 Sep 2025 00:52

Tgt Ion: 82 Resp: 5756

Ion	Ratio	Lower	Upper
82	100		
128	45.7	38.3	57.5
54	48.5	41.4	62.2



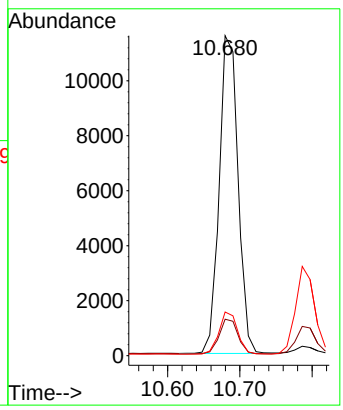


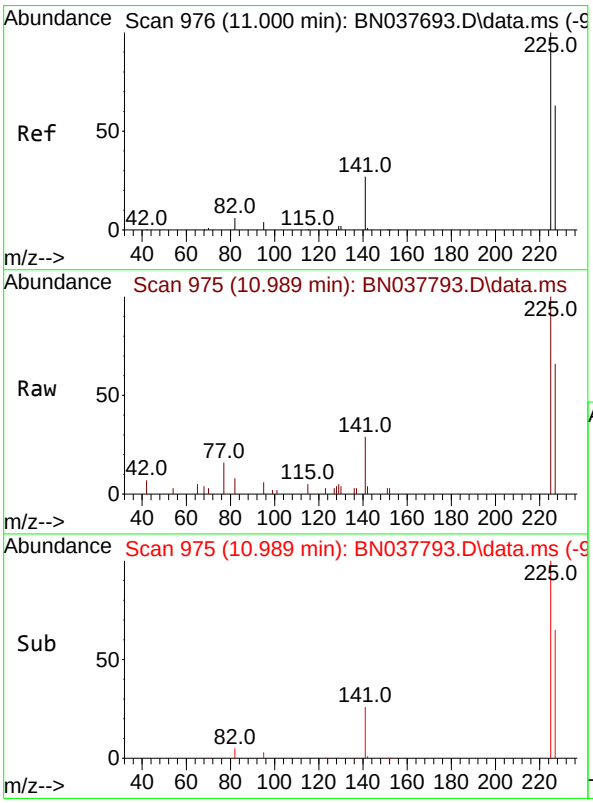
#9
Naphthalene
Concen: 0.393 ng
RT: 10.680 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037793.D
Acq: 19 Sep 2025 00:52

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:128 Resp: 20919

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.1	13.7
127	13.7	10.9	16.3

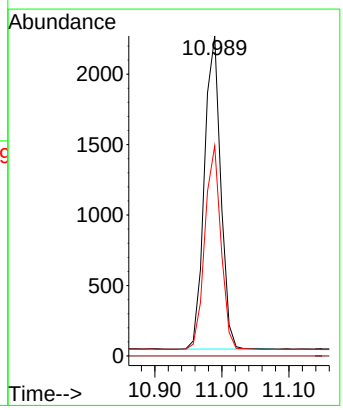


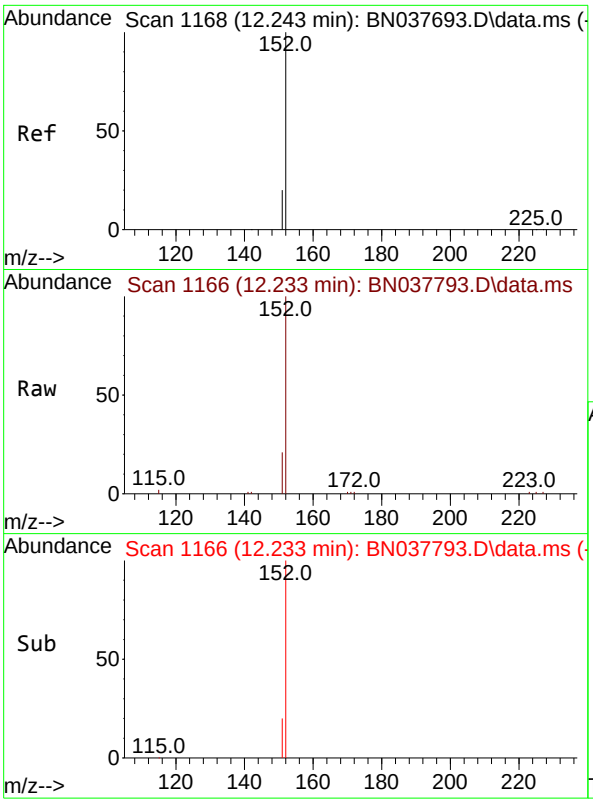


#10
Hexachlorobutadiene
Concen: 0.389 ng
RT: 10.989 min Scan# 975
Delta R.T. -0.011 min
Lab File: BN037793.D
Acq: 19 Sep 2025 00:52

Tgt Ion:225 Resp: 3750

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.9	50.9	76.3



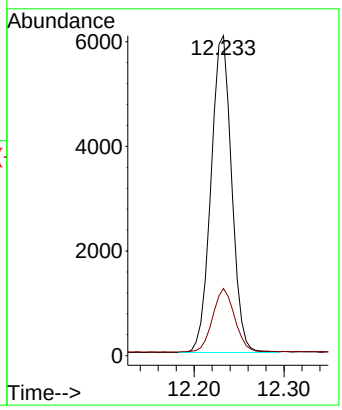


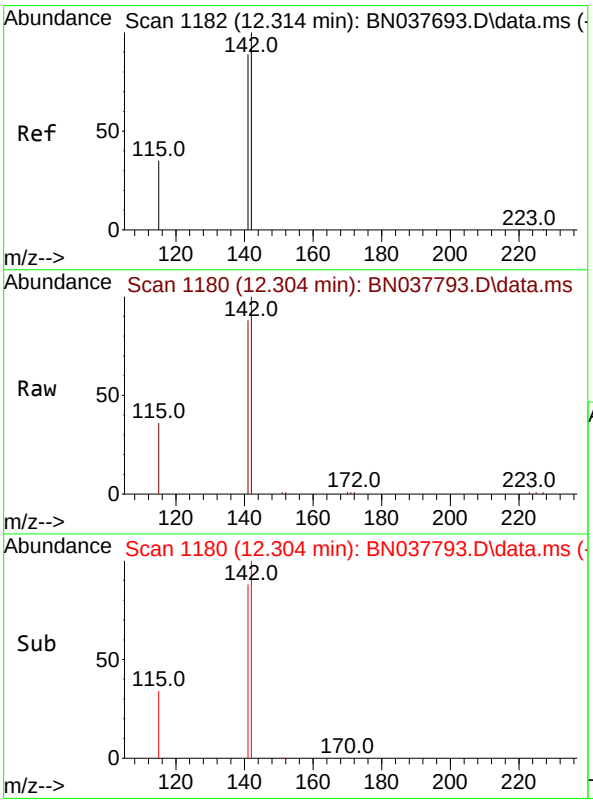
#11
2-Methylnaphthalene-d10
Concen: 0.374 ng
RT: 12.233 min Scan# 11
Delta R.T. -0.010 min
Lab File: BN037793.D
Acq: 19 Sep 2025 00:52

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 9662

Ion	Ratio	Lower	Upper
152	100		
151	21.4	17.0	25.6

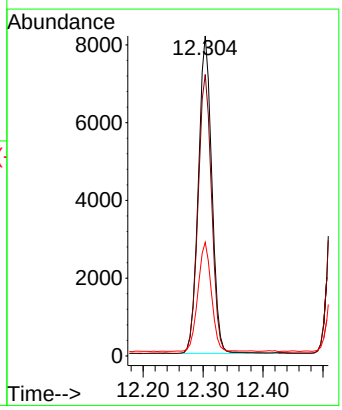


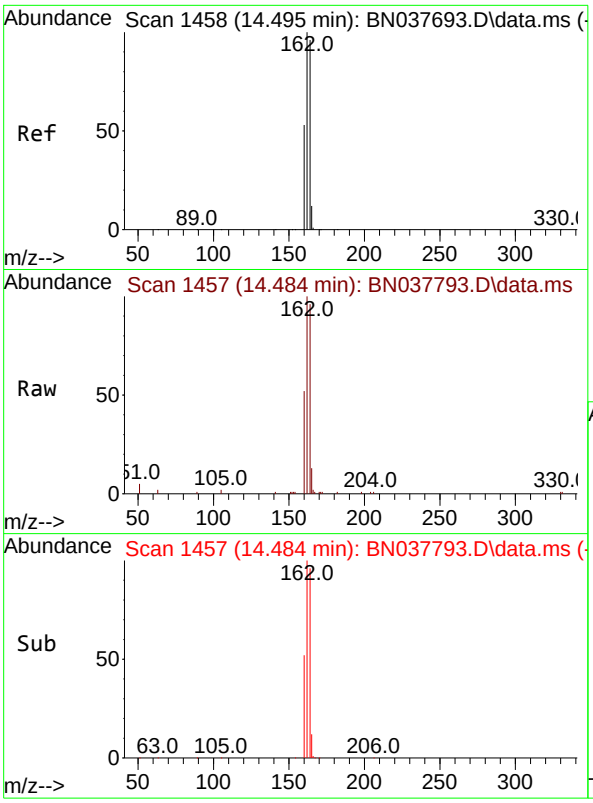


#12
2-Methylnaphthalene
Concen: 0.385 ng
RT: 12.304 min Scan# 1180
Delta R.T. -0.010 min
Lab File: BN037793.D
Acq: 19 Sep 2025 00:52

Tgt Ion:142 Resp: 12695

Ion	Ratio	Lower	Upper
142	100		
141	87.9	71.6	107.4
115	35.5	28.6	43.0



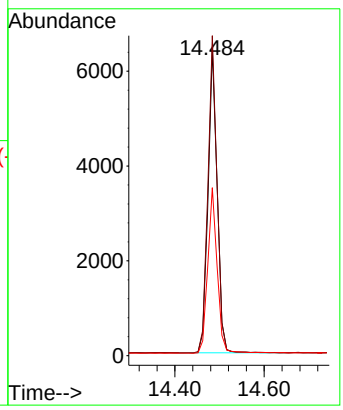


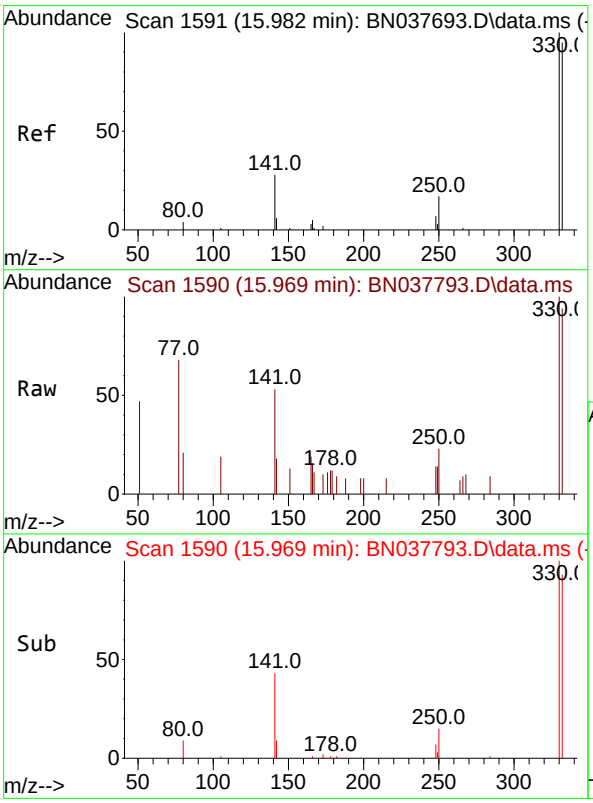
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.484 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN037793.D
Acq: 19 Sep 2025 00:52

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:164 Resp: 9091

Ion	Ratio	Lower	Upper
164	100		
162	104.3	83.1	124.7
160	54.7	44.3	66.5

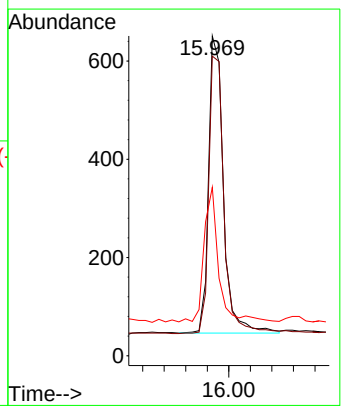


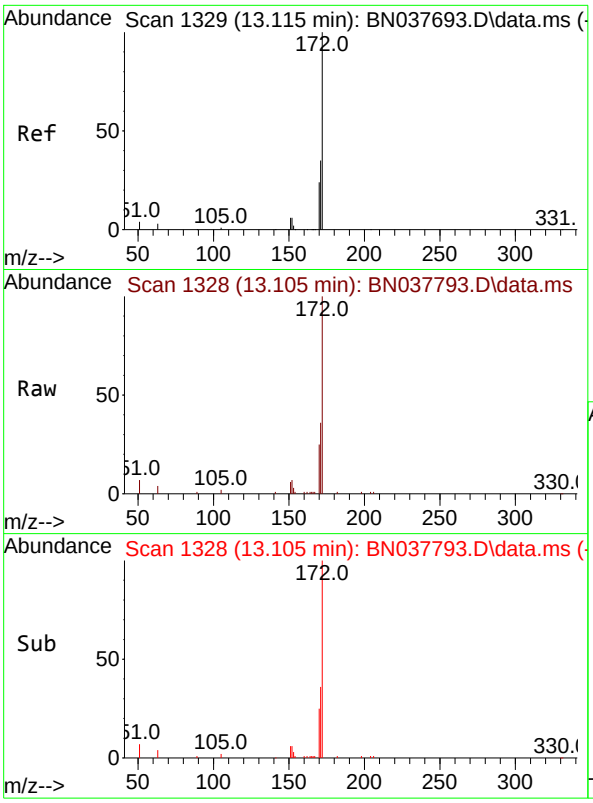


#14
2,4,6-Tribromophenol
Concen: 0.488 ng
RT: 15.969 min Scan# 1590
Delta R.T. -0.013 min
Lab File: BN037793.D
Acq: 19 Sep 2025 00:52

Tgt Ion:330 Resp: 1156

Ion	Ratio	Lower	Upper
330	100		
332	96.0	75.3	112.9
141	44.0	35.0	52.4



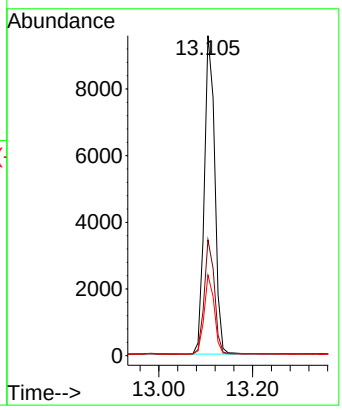


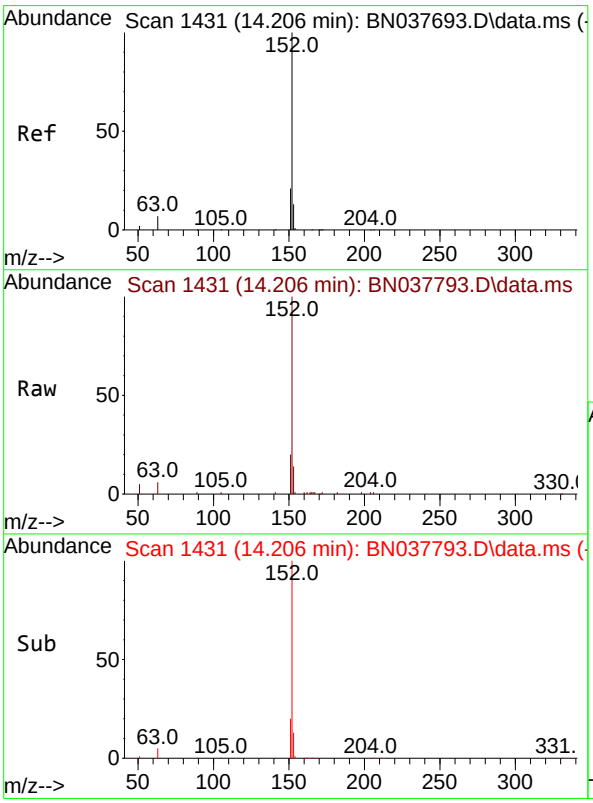
#15
2-Fluorobiphenyl
Concen: 0.390 ng
RT: 13.105 min Scan# 1
Delta R.T. -0.011 min
Lab File: BN037793.D
Acq: 19 Sep 2025 00:52

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:172 Resp: 14833

Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.6	43.0
170	25.2	19.8	29.8

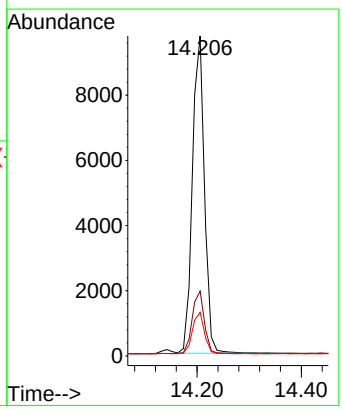


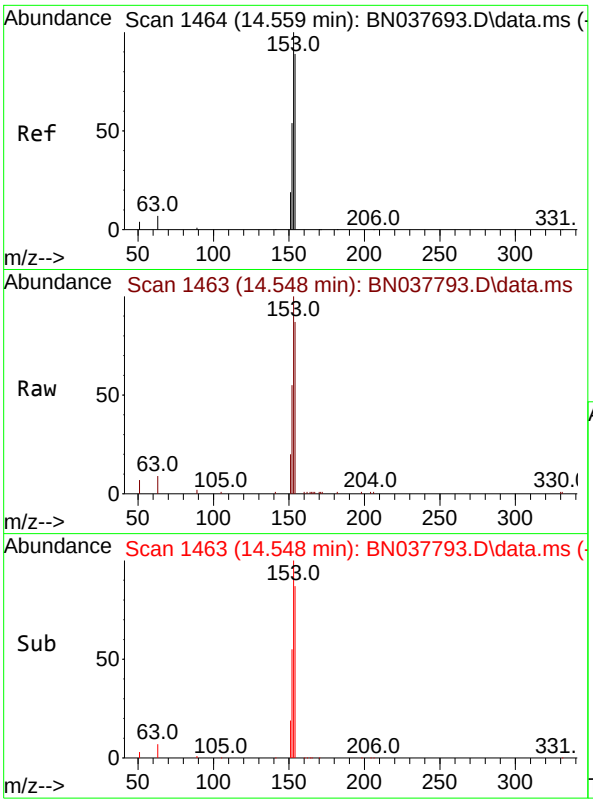


#16
Acenaphthylene
Concen: 0.377 ng
RT: 14.206 min Scan# 1431
Delta R.T. -0.000 min
Lab File: BN037793.D
Acq: 19 Sep 2025 00:52

Tgt Ion:152 Resp: 15704

Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.2	24.2
153	13.2	10.4	15.6



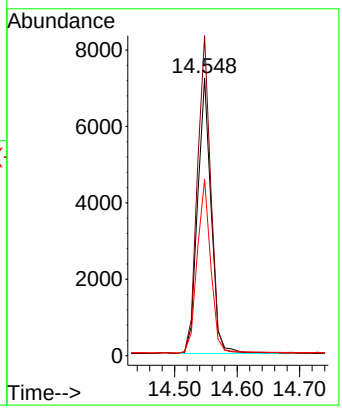


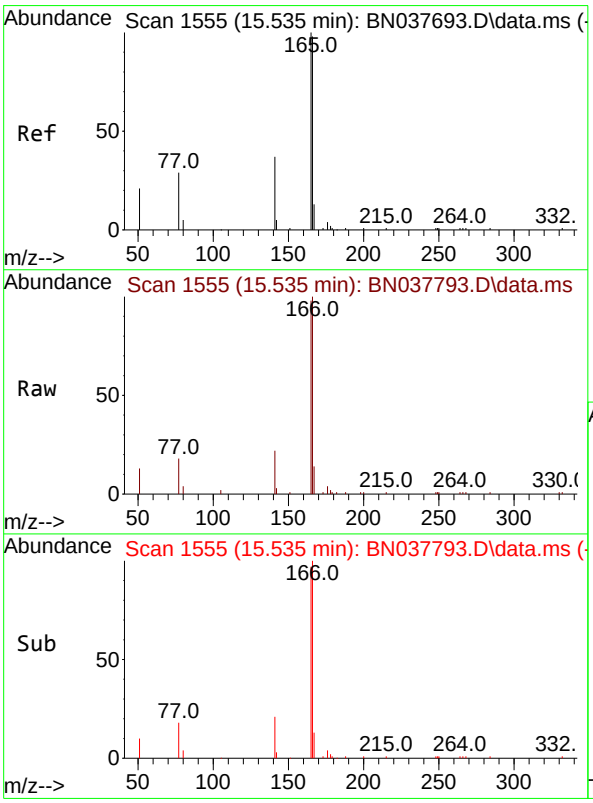
#17
Acenaphthene
Concen: 0.384 ng
RT: 14.548 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN037793.D
Acq: 19 Sep 2025 00:52

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:154 Resp: 10816

Ion	Ratio	Lower	Upper
154	100		
153	114.7	89.8	134.8
152	63.7	50.2	75.2

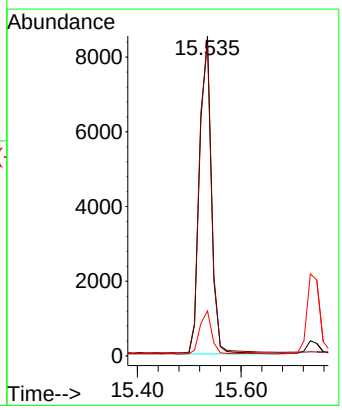


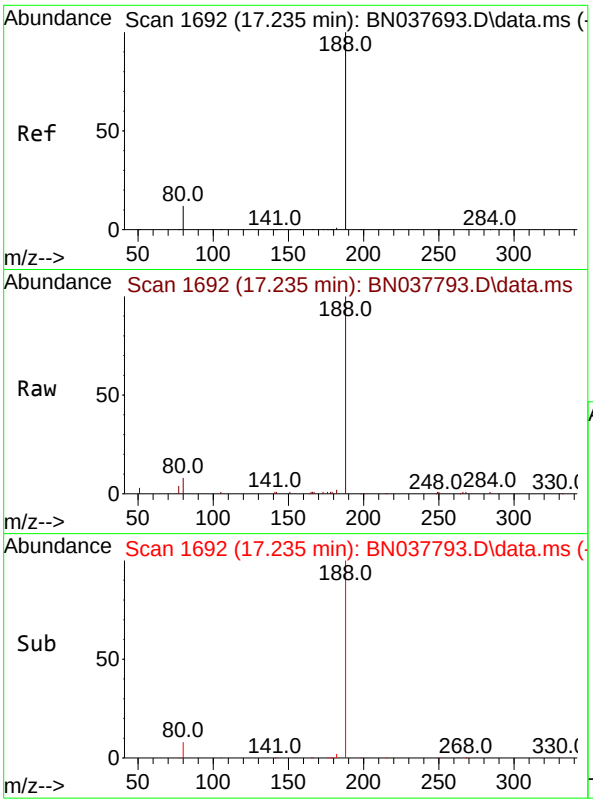


#18
Fluorene
Concen: 0.386 ng
RT: 15.535 min Scan# 1555
Delta R.T. -0.000 min
Lab File: BN037793.D
Acq: 19 Sep 2025 00:52

Tgt Ion:166 Resp: 13166

Ion	Ratio	Lower	Upper
166	100		
165	97.1	79.6	119.4
167	13.2	10.6	16.0



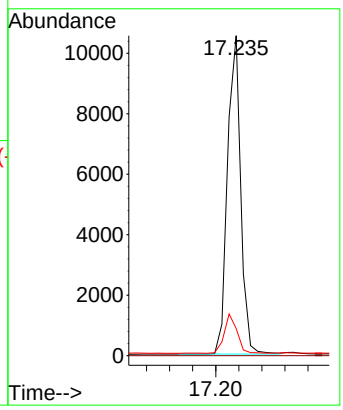


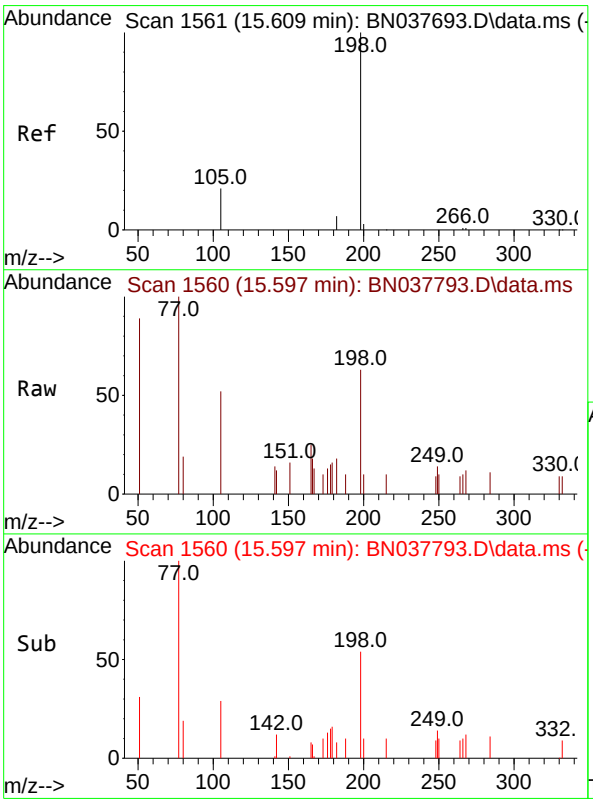
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.235 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037793.D
Acq: 19 Sep 2025 00:52

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:188 Resp: 16806

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.5	10.6	15.8#

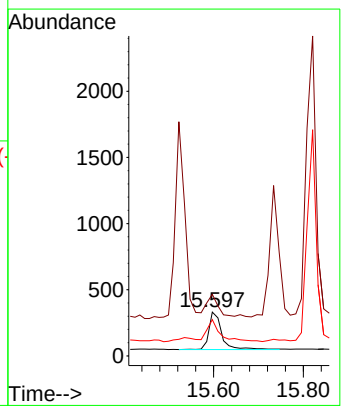


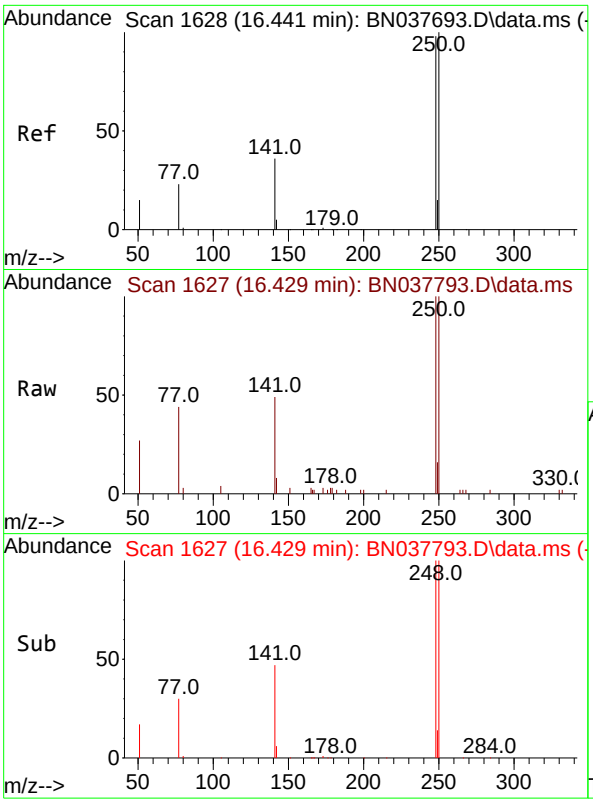


#20
4,6-Dinitro-2-methylphenol
Concen: 0.362 ng
RT: 15.597 min Scan# 1560
Delta R.T. -0.012 min
Lab File: BN037793.D
Acq: 19 Sep 2025 00:52

Tgt Ion:198 Resp: 563

Ion	Ratio	Lower	Upper
198	100		
51	140.5	95.1	142.7
105	82.8	53.8	80.6#



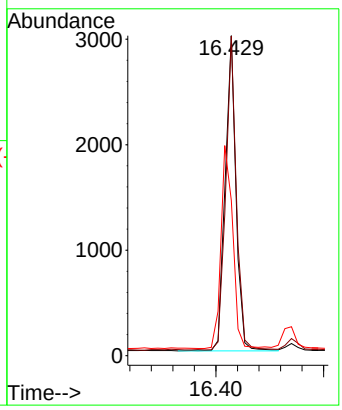


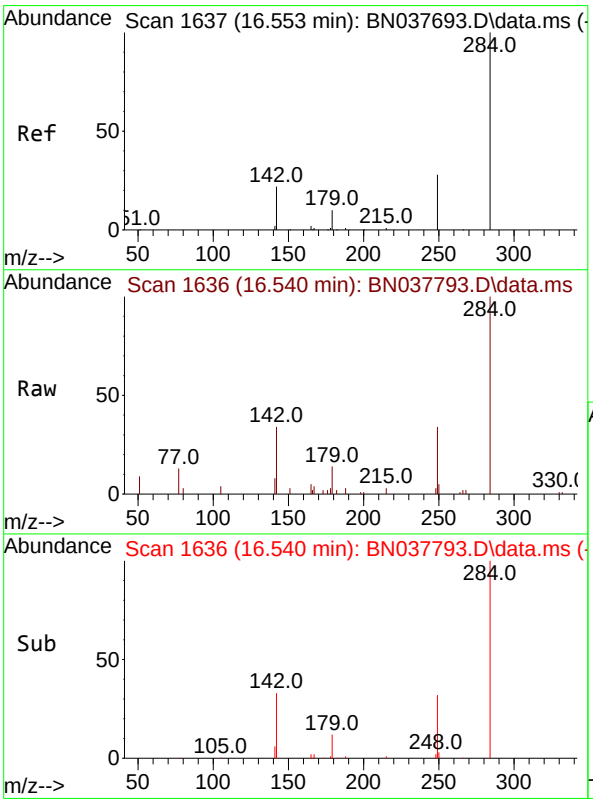
#21
4-Bromophenyl-phenylether
Concen: 0.383 ng
RT: 16.429 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037793.D
Acq: 19 Sep 2025 00:52

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:248 Resp: 4194

Ion	Ratio	Lower	Upper
248	100		
250	99.9	81.5	122.3
141	48.5	30.8	46.2#

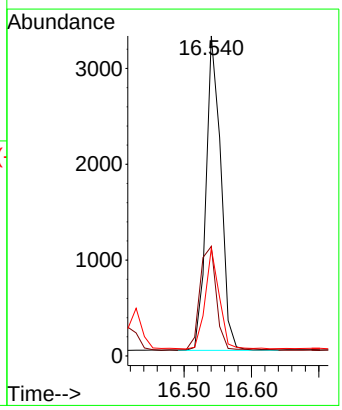


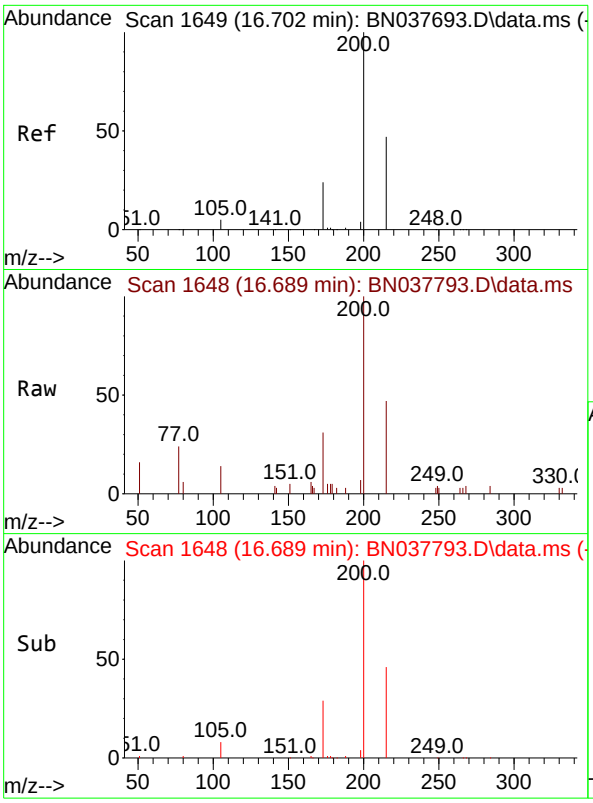


#22
Hexachlorobenzene
Concen: 0.397 ng
RT: 16.540 min Scan# 1636
Delta R.T. -0.012 min
Lab File: BN037793.D
Acq: 19 Sep 2025 00:52

Tgt Ion:284 Resp: 5004

Ion	Ratio	Lower	Upper
284	100		
142	37.2	30.9	46.3
249	30.4	24.8	37.2



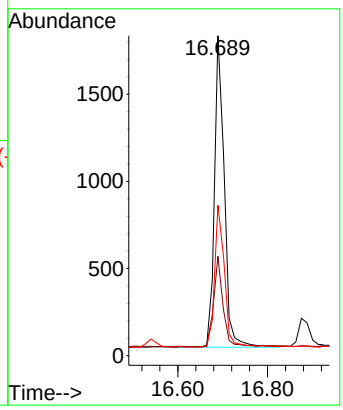


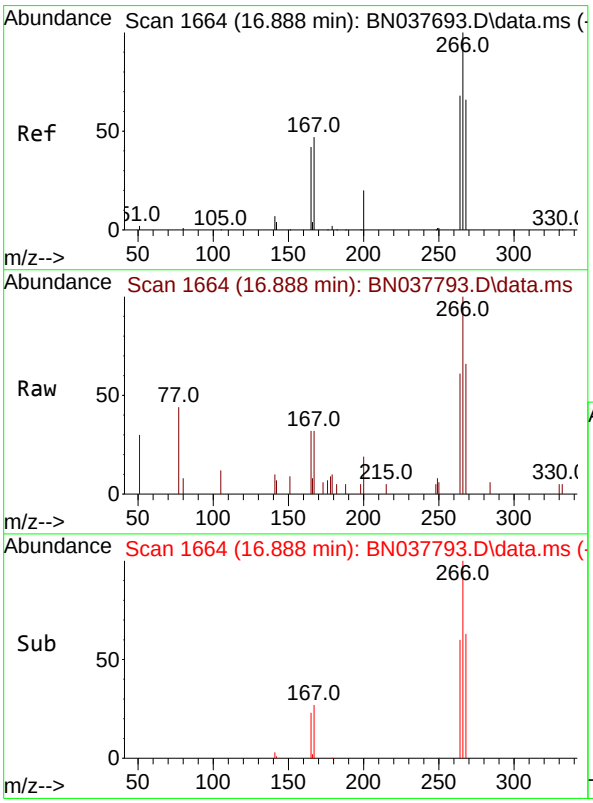
#23
Atrazine
Concen: 0.387 ng
RT: 16.689 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037793.D
Acq: 19 Sep 2025 00:52

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:200 Resp: 2701

Ion	Ratio	Lower	Upper
200	100		
173	31.0	21.4	32.2
215	47.0	39.2	58.8

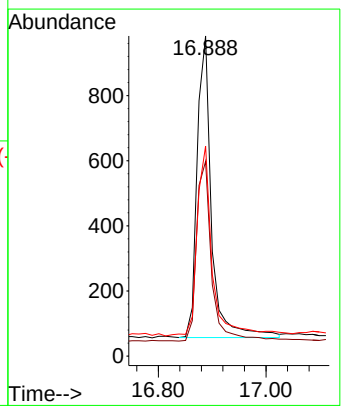


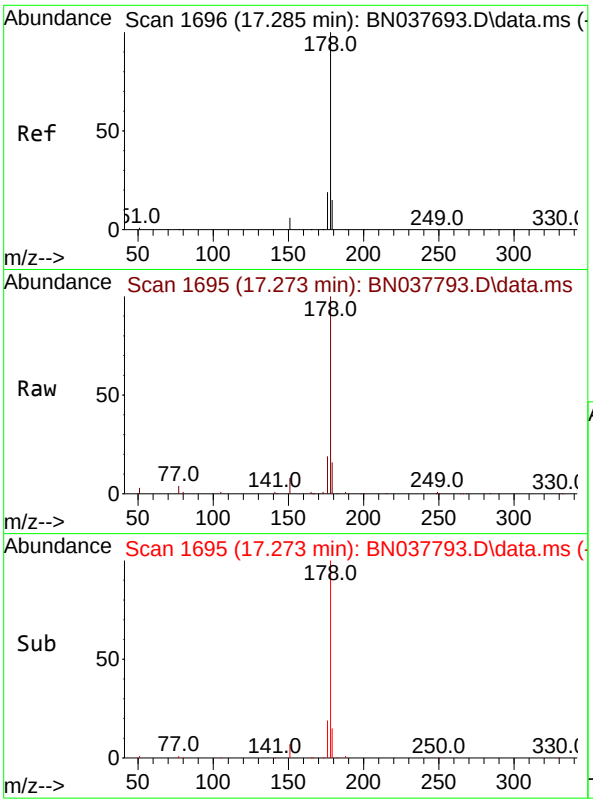


#24
Pentachlorophenol
Concen: 0.470 ng
RT: 16.888 min Scan# 1664
Delta R.T. -0.000 min
Lab File: BN037793.D
Acq: 19 Sep 2025 00:52

Tgt Ion:266 Resp: 1719

Ion	Ratio	Lower	Upper
266	100		
264	62.7	51.6	77.4
268	67.0	53.2	79.8



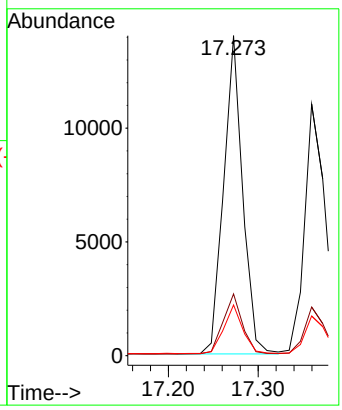


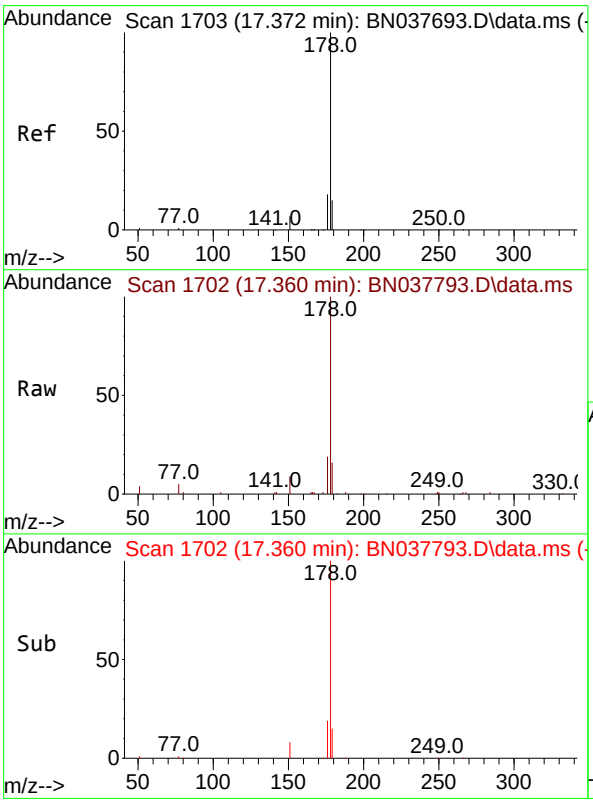
#25
Phenanthrene
Concen: 0.389 ng
RT: 17.273 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037793.D
Acq: 19 Sep 2025 00:52

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:178 Resp: 20559

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.4	12.2	18.2

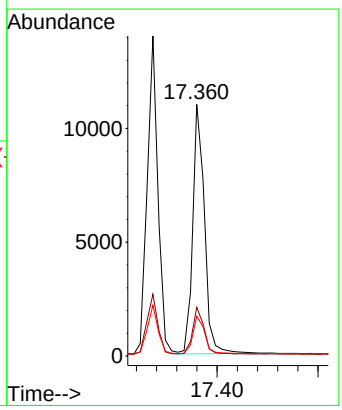


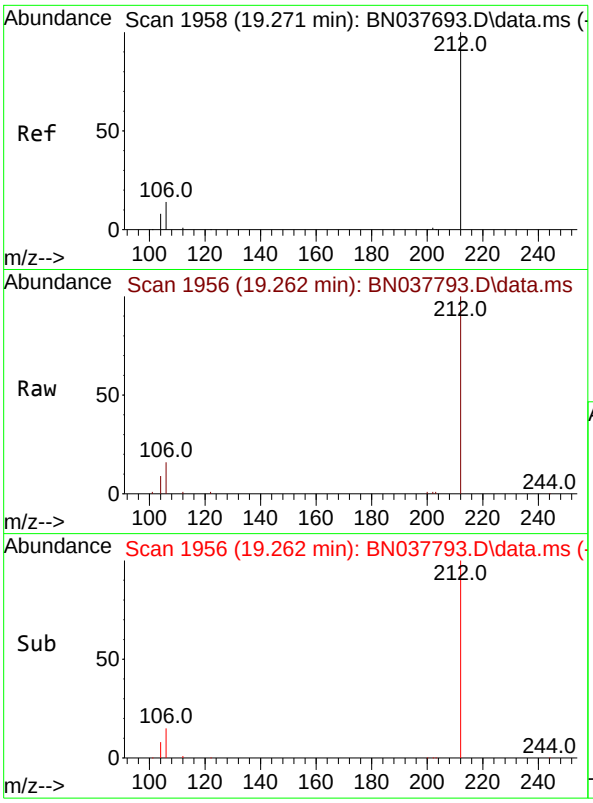


#26
Anthracene
Concen: 0.378 ng
RT: 17.360 min Scan# 1702
Delta R.T. -0.012 min
Lab File: BN037793.D
Acq: 19 Sep 2025 00:52

Tgt Ion:178 Resp: 17722

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.6	22.0
179	15.2	12.2	18.4



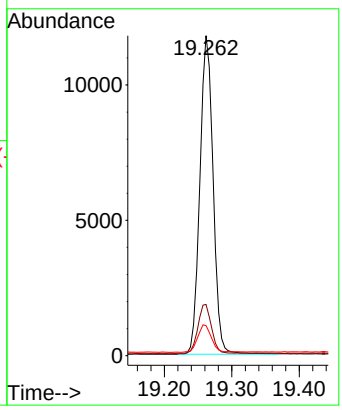


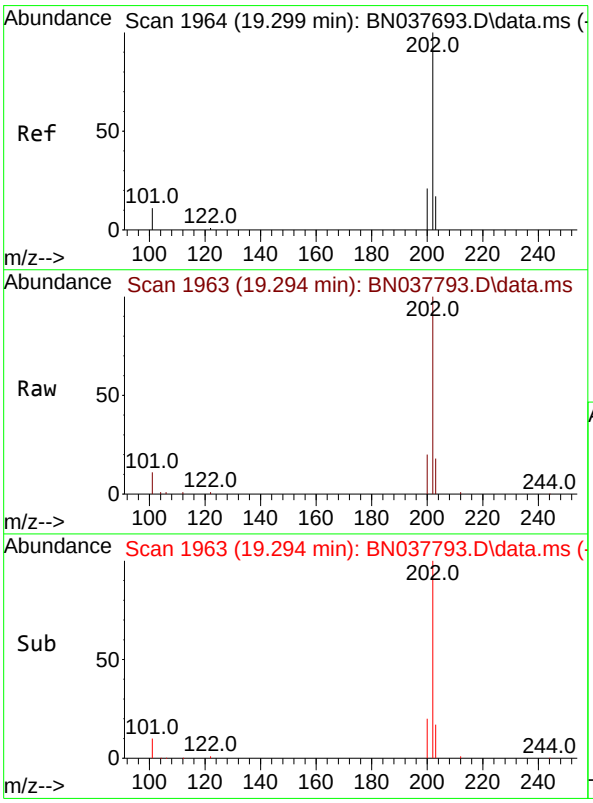
#27
Fluoranthene-d10
Concen: 0.380 ng
RT: 19.262 min Scan# 1
Delta R.T. -0.009 min
Lab File: BN037793.D
Acq: 19 Sep 2025 00:52

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:212 Resp: 16028

Ion	Ratio	Lower	Upper
212	100		
106	15.6	12.2	18.2
104	9.0	6.9	10.3

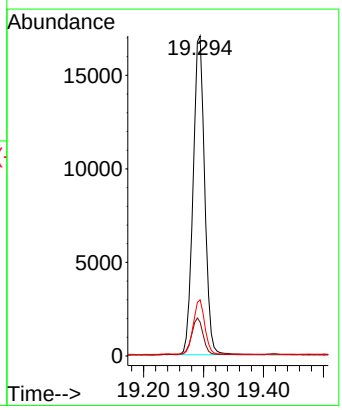


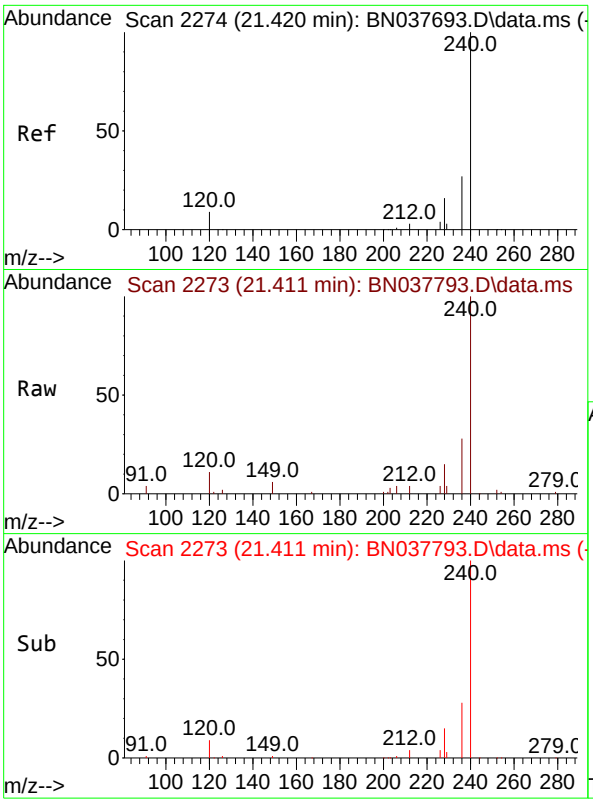


#28
Fluoranthene
Concen: 0.394 ng
RT: 19.294 min Scan# 1963
Delta R.T. -0.005 min
Lab File: BN037793.D
Acq: 19 Sep 2025 00:52

Tgt Ion:202 Resp: 22839

Ion	Ratio	Lower	Upper
202	100		
101	11.7	9.3	13.9
203	16.9	13.7	20.5



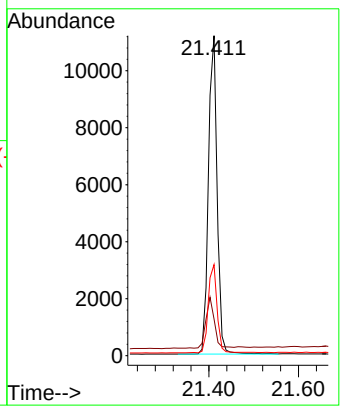


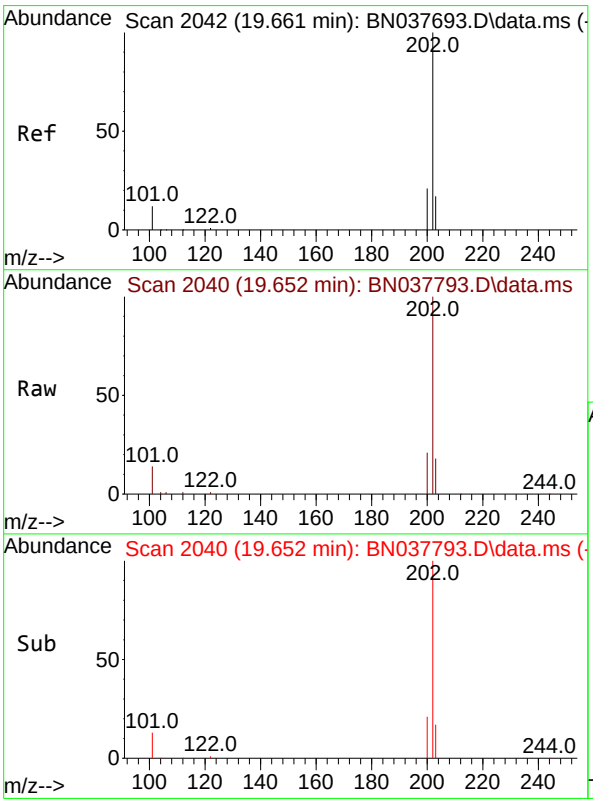
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.411 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037793.D
Acq: 19 Sep 2025 00:52

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:240 Resp: 15128

Ion	Ratio	Lower	Upper
240	100		
120	11.5	9.2	13.8
236	28.5	22.6	33.8

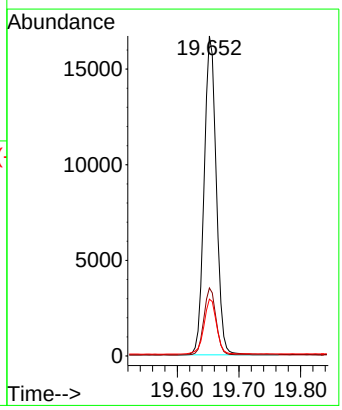


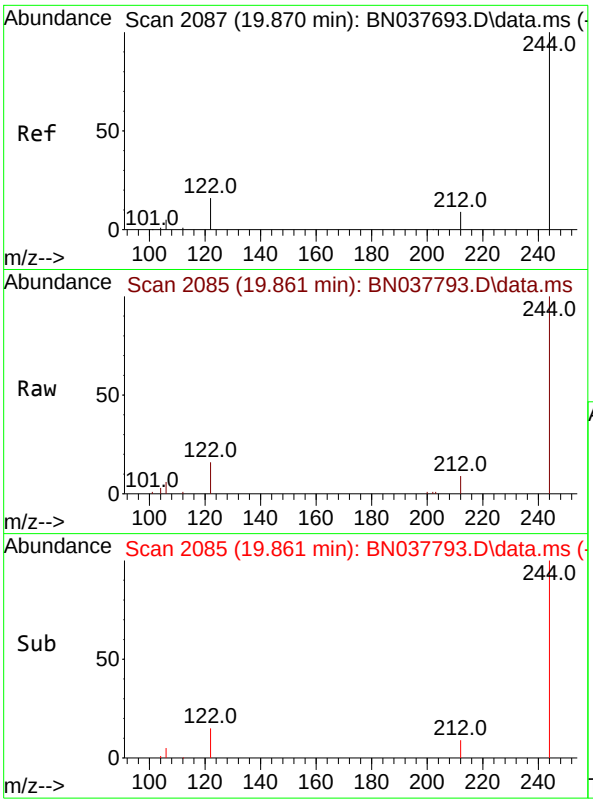


#30
Pyrene
Concen: 0.384 ng
RT: 19.652 min Scan# 2040
Delta R.T. -0.009 min
Lab File: BN037793.D
Acq: 19 Sep 2025 00:52

Tgt Ion:202 Resp: 22743

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.8	25.2
203	18.0	14.3	21.5



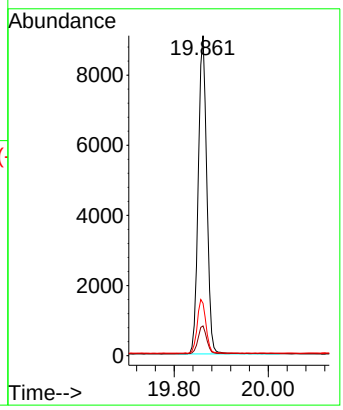


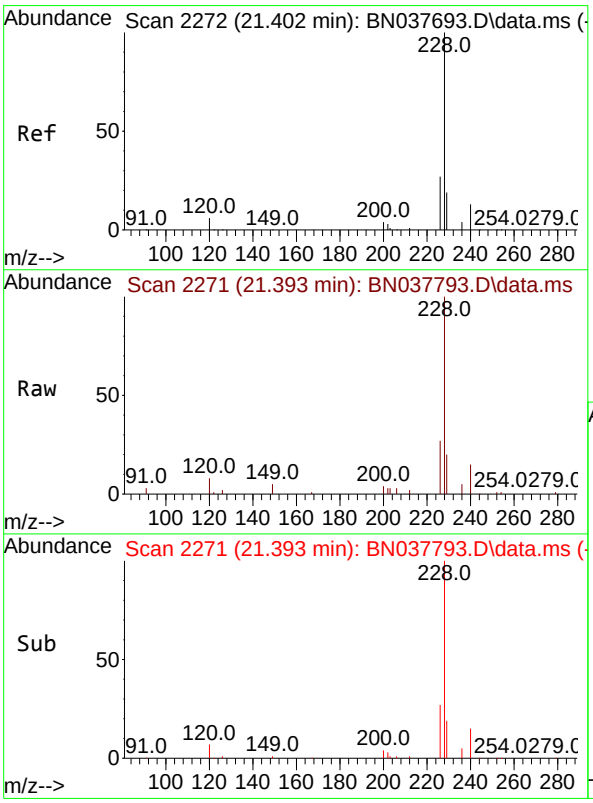
#31
Terphenyl-d14
Concen: 0.387 ng
RT: 19.861 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037793.D
Acq: 19 Sep 2025 00:52

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:244 Resp: 11883

Ion	Ratio	Lower	Upper
244	100		
212	9.3	7.5	11.3
122	16.4	13.2	19.8

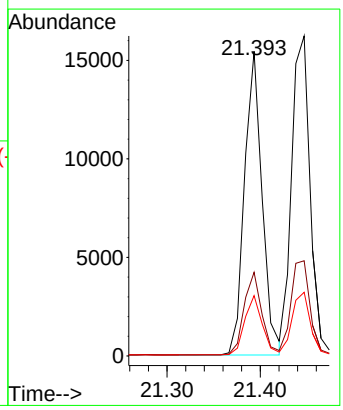


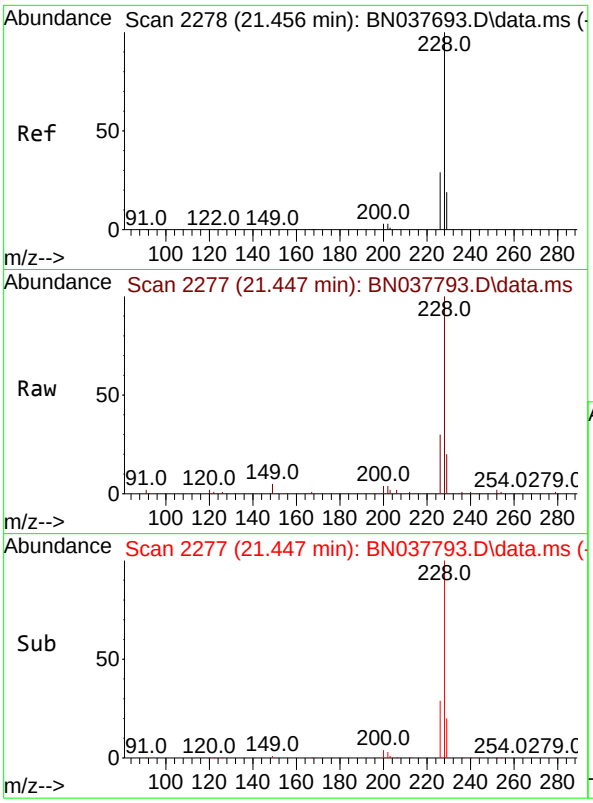


#32
Benzo(a)anthracene
Concen: 0.385 ng
RT: 21.393 min Scan# 2271
Delta R.T. -0.009 min
Lab File: BN037793.D
Acq: 19 Sep 2025 00:52

Tgt Ion:228 Resp: 20290

Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.2	33.2
229	19.8	15.8	23.6



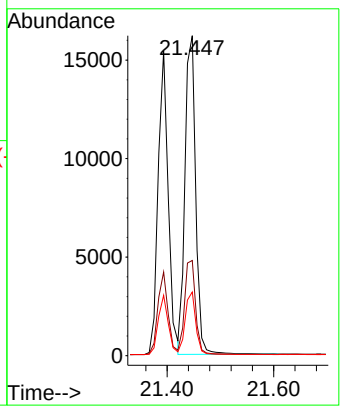


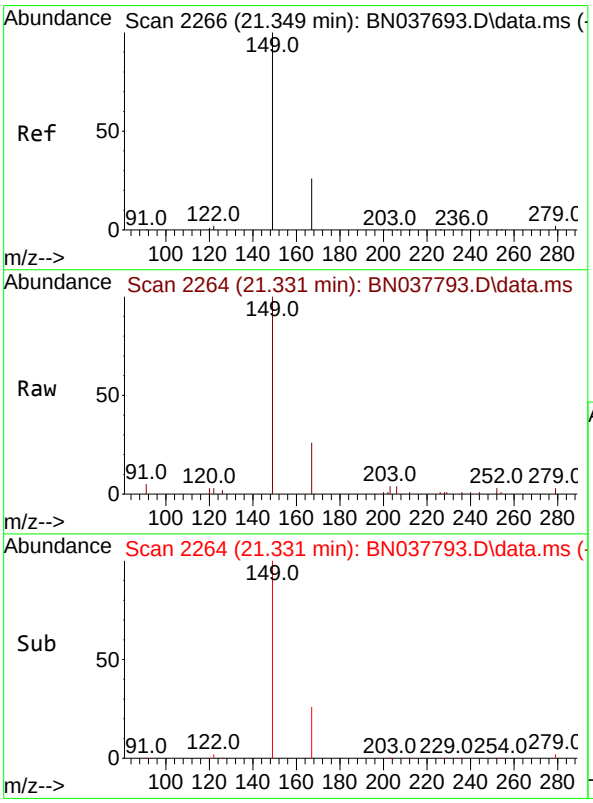
#33
Chrysene
Concen: 0.399 ng
RT: 21.447 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037793.D
Acq: 19 Sep 2025 00:52

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:228 Resp: 22567

Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.5	35.3
229	19.9	15.9	23.9

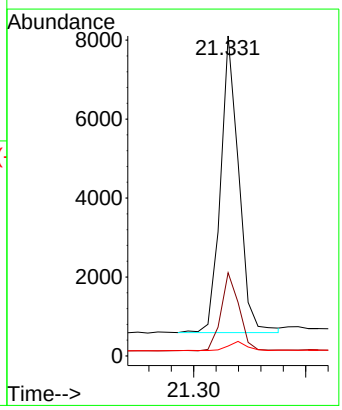


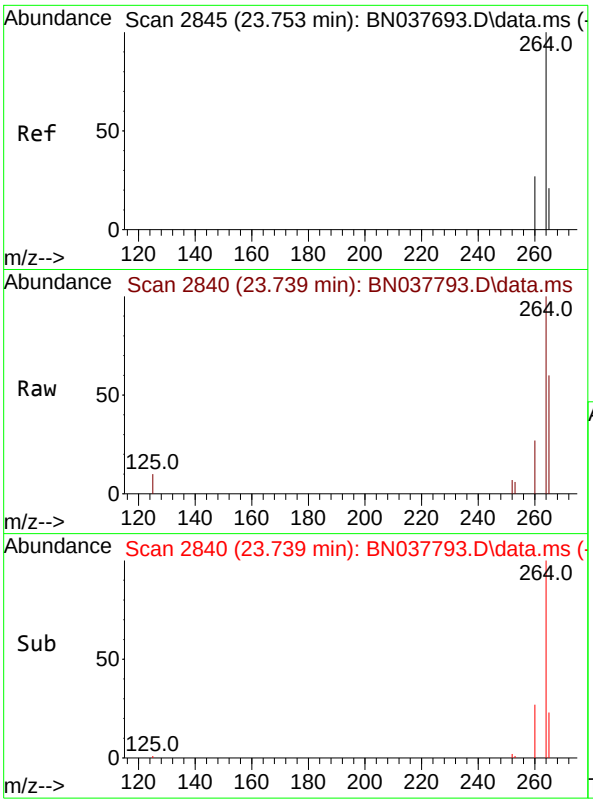


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.545 ng
RT: 21.331 min Scan# 2264
Delta R.T. -0.018 min
Lab File: BN037793.D
Acq: 19 Sep 2025 00:52

Tgt Ion:149 Resp: 8520

Ion	Ratio	Lower	Upper
149	100		
167	25.7	20.8	31.2
279	3.3	3.3	4.9



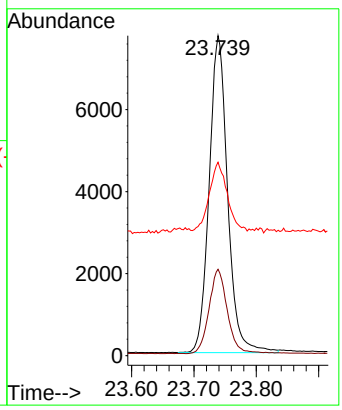


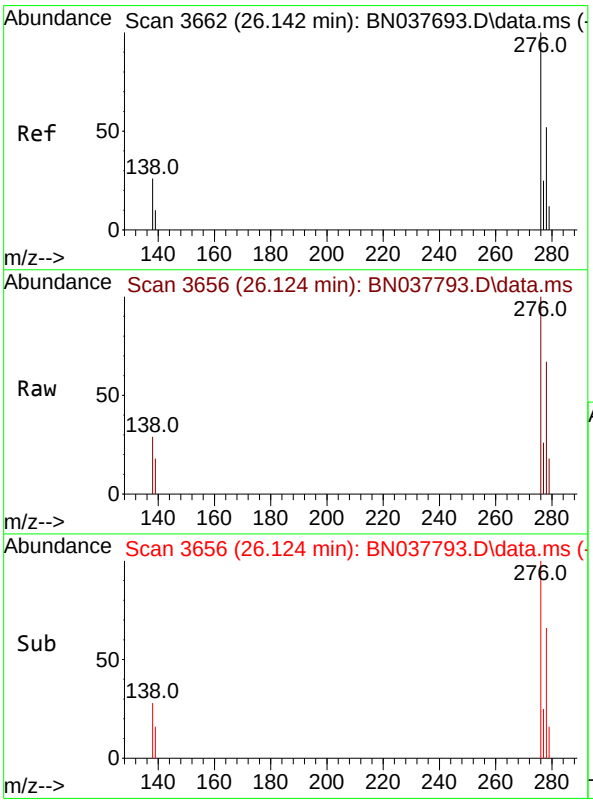
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.739 min Scan# 2
Delta R.T. -0.015 min
Lab File: BN037793.D
Acq: 19 Sep 2025 00:52

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:264 Resp: 15864

Ion	Ratio	Lower	Upper
264	100		
260	27.0	21.8	32.8
265	60.5	39.4	59.2#

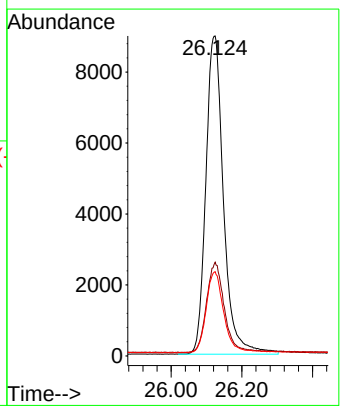


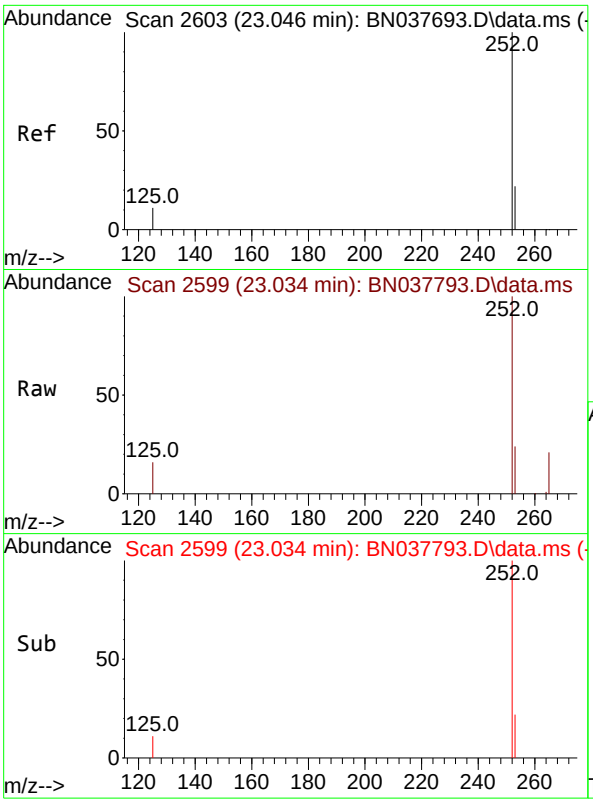


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.467 ng
RT: 26.124 min Scan# 3656
Delta R.T. -0.018 min
Lab File: BN037793.D
Acq: 19 Sep 2025 00:52

Tgt Ion:276 Resp: 31159

Ion	Ratio	Lower	Upper
276	100		
138	28.2	21.9	32.9
277	25.3	20.1	30.1



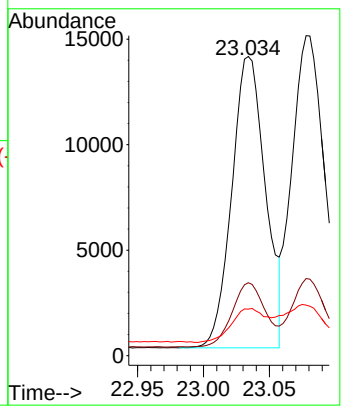


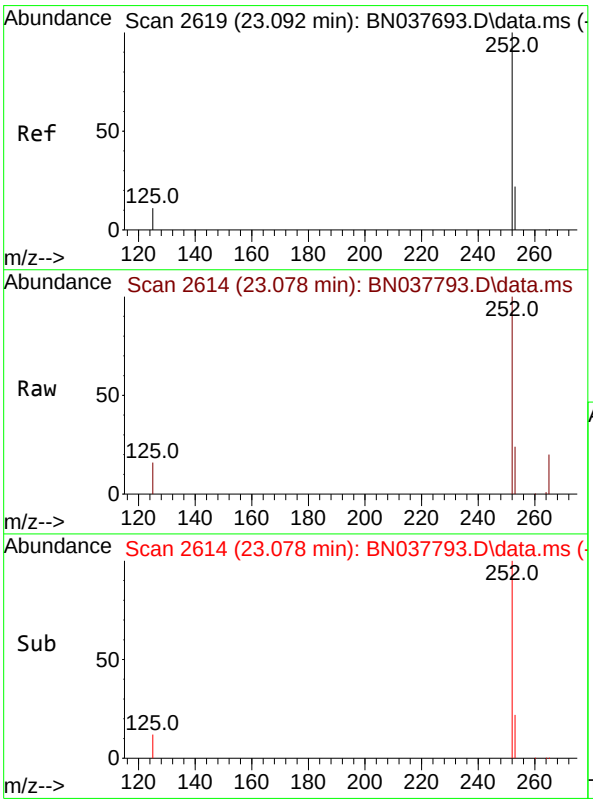
#37
Benzo(b)fluoranthene
Concen: 0.393 ng
RT: 23.034 min Scan# 2
Delta R.T. -0.012 min
Lab File: BN037793.D
Acq: 19 Sep 2025 00:52

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 24537

Ion	Ratio	Lower	Upper
252	100		
253	24.4	19.4	29.2
125	15.6	11.2	16.8

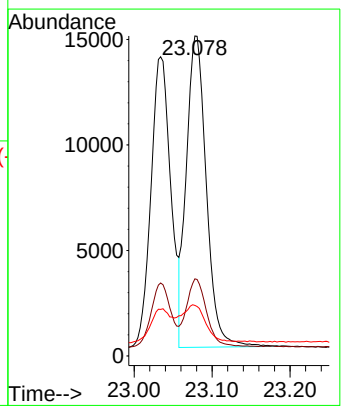


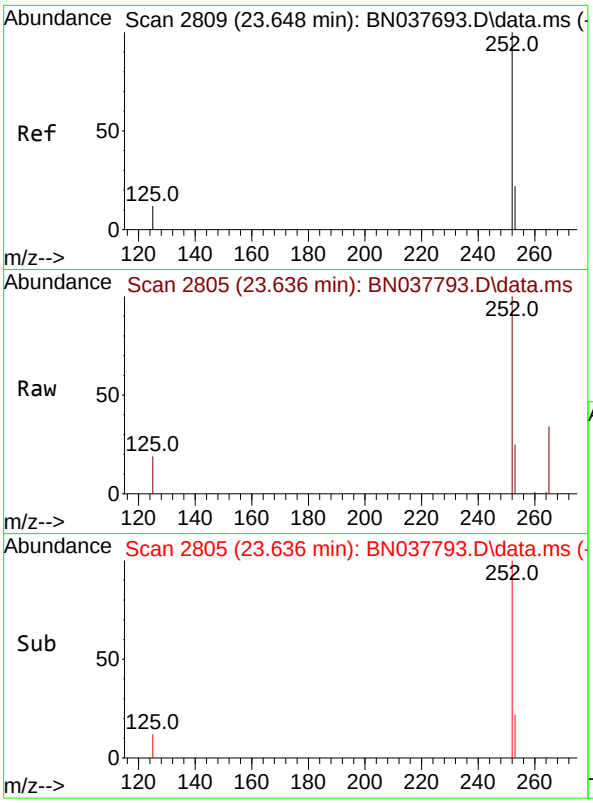


#38
Benzo(k)fluoranthene
Concen: 0.412 ng
RT: 23.078 min Scan# 2614
Delta R.T. -0.015 min
Lab File: BN037793.D
Acq: 19 Sep 2025 00:52

Tgt Ion:252 Resp: 26227

Ion	Ratio	Lower	Upper
252	100		
253	24.1	19.4	29.0
125	15.8	11.6	17.4



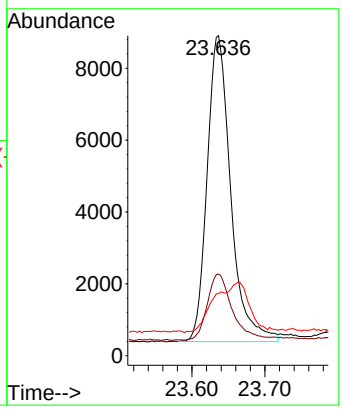


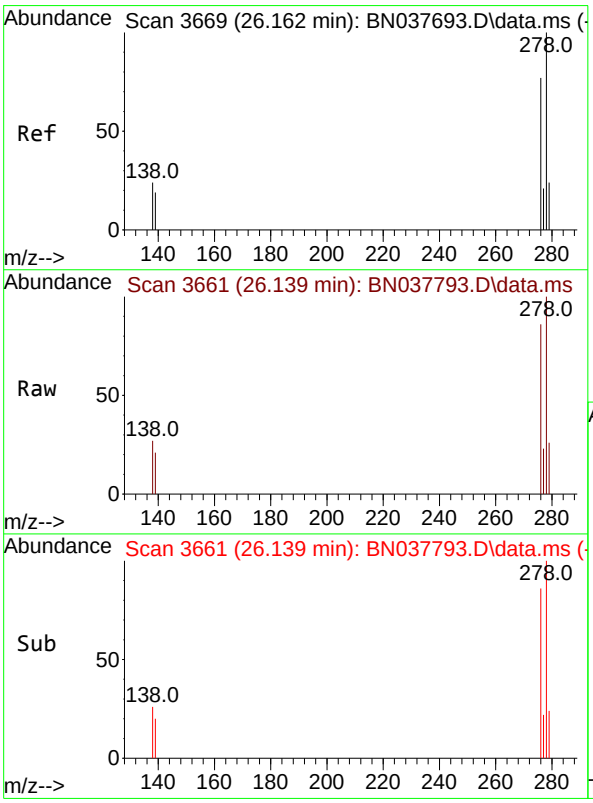
#39
Benzo(a)pyrene
Concen: 0.384 ng
RT: 23.636 min Scan# 2
Delta R.T. -0.012 min
Lab File: BN037793.D
Acq: 19 Sep 2025 00:52

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 19199

Ion	Ratio	Lower	Upper
252	100		
253	25.5	20.8	31.2
125	19.4	13.9	20.9

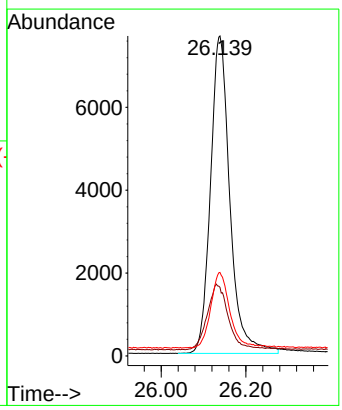


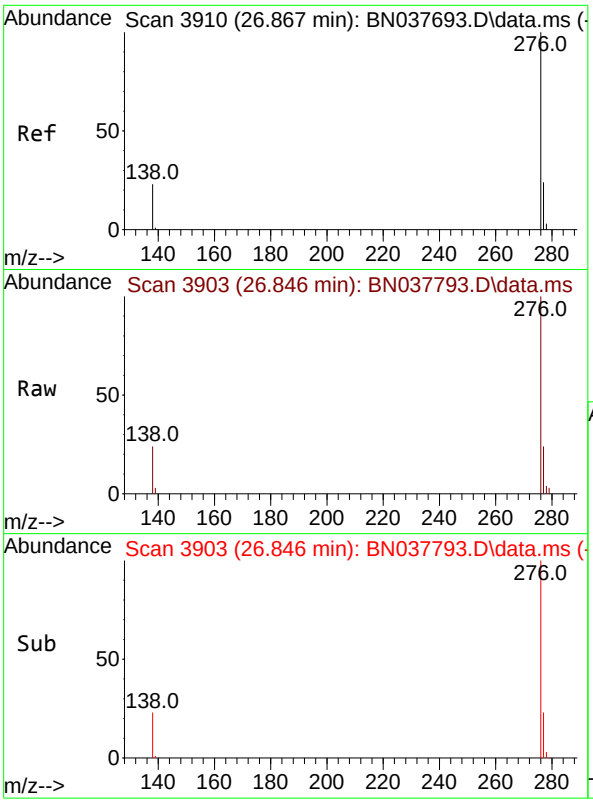


#40
Dibenzo(a,h)anthracene
Concen: 0.459 ng
RT: 26.139 min Scan# 3661
Delta R.T. -0.023 min
Lab File: BN037793.D
Acq: 19 Sep 2025 00:52

Tgt Ion:278 Resp: 24445

Ion	Ratio	Lower	Upper
278	100		
139	21.4	17.8	26.6
279	26.1	22.0	33.0



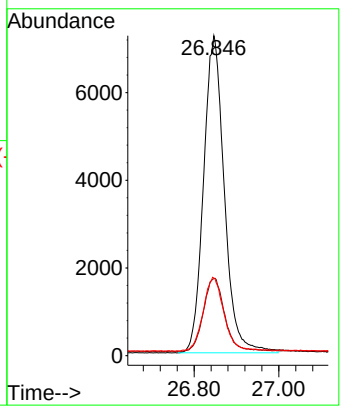


#41
Benzo(g,h,i)perylene
Concen: 0.413 ng
RT: 26.846 min Scan# 3
Delta R.T. -0.021 min
Lab File: BN037793.D
Acq: 19 Sep 2025 00:52

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 24646

Ion	Ratio	Lower	Upper
276	100		
277	24.1	20.6	31.0
138	24.2	20.2	30.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091825\
Data File : BN037793.D
Acq On : 19 Sep 2025 00:52
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Quant Time: Sep 19 04:13:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	149	0.00
2		1,4-Dioxane	0.417	0.436	-4.6	154#	0.00
3		n-Nitrosodimethylamine	0.544	0.506	7.0	134	0.00
4	S	2-Fluorophenol	0.918	0.923	-0.5	154#	0.00
5	S	Phenol-d6	1.191	1.148	3.6	148	0.00
6		bis(2-Chloroethyl)ether	1.064	1.028	3.4	143	0.00
7	I	Naphthalene-d8	1.000	1.000	0.0	147	-0.01
8	S	Nitrobenzene-d5	0.293	0.295	-0.7	153#	-0.01
9		Naphthalene	1.093	1.073	1.8	147	-0.01
10		Hexachlorobutadiene	0.198	0.192	3.0	143	-0.01
11	SURR	2-Methylnaphthalene-d10	0.530	0.496	6.4	146	-0.01
12		2-Methylnaphthalene	0.676	0.651	3.7	145	-0.01
13	I	Acenaphthene-d10	1.000	1.000	0.0	147	-0.01
14	S	2,4,6-Tribromophenol	0.104	0.127	-22.1	185#	-0.01
15	S	2-Fluorobiphenyl	1.673	1.632	2.5	145	-0.01
16		Acenaphthylene	1.834	1.727	5.8	142	0.00
17		Acenaphthene	1.240	1.190	4.0	143	-0.01
18		Fluorene	1.502	1.448	3.6	147	0.00
19	I	Phenanthrene-d10	1.000	1.000	0.0	149	0.00
20		4,6-Dinitro-2-methylphenol	0.037	0.033	10.8	151#	-0.01
21		4-Bromophenyl-phenylether	0.261	0.250	4.2	148	-0.01
22		Hexachlorobenzene	0.300	0.298	0.7	151#	-0.01
23		Atrazine	0.166	0.161	3.0	158#	-0.01
24		Pentachlorophenol	0.087	0.102	-17.2	205#	0.00
25		Phenanthrene	1.259	1.223	2.9	149	-0.01
26		Anthracene	1.116	1.055	5.5	147	-0.01
27	SURR	Fluoranthene-d10	1.004	0.954	5.0	152#	0.00
28		Fluoranthene	1.381	1.359	1.6	155#	0.00
29	I	Chrysene-d12	1.000	1.000	0.0	161#	0.00
30		Pyrene	1.566	1.503	4.0	156#	0.00
31	S	Terphenyl-d14	0.812	0.785	3.3	158#	0.00
32		Benzo(a)anthracene	1.395	1.341	3.9	161#	0.00
33		Chrysene	1.496	1.492	0.3	161#	0.00
34		Bis(2-ethylhexyl)phthalate	0.414	0.563	-36.0#	242#	-0.02
35	I	Perylene-d12	1.000	1.000	0.0	177#	-0.01
36		Indeno(1,2,3-cd)pyrene	1.681	1.964	-16.8	225#	-0.02
37		Benzo(b)fluoranthene	1.575	1.547	1.8	176#	-0.01
38		Benzo(k)fluoranthene	1.606	1.653	-2.9	192#	-0.01
39	C	Benzo(a)pyrene	1.261	1.210	4.0	178#	-0.01
40		Dibenzo(a,h)anthracene	1.342	1.541	-14.8	225#	-0.02
41		Benzo(g,h,i)perylene	1.506	1.554	-3.2	189#	-0.02

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091825\
Data File : BN037793.D
Acq On : 19 Sep 2025 00:52
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Quant Time: Sep 19 04:13:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	0.400	0.400	0.0	149	0.00
2		1,4-Dioxane	0.400	0.418	-4.5	154	0.00
3		n-Nitrosodimethylamine	0.400	0.372	7.0	134	0.00
4	S	2-Fluorophenol	0.400	0.402	-0.5	154	0.00
5	S	Phenol-d6	0.400	0.386	3.5	148	0.00
6		bis(2-Chloroethyl)ether	0.400	0.386	3.5	143	0.00
7	I	Naphthalene-d8	0.400	0.400	0.0	147	-0.01
8	S	Nitrobenzene-d5	0.400	0.404	-1.0	153	-0.01
9		Naphthalene	0.400	0.393	1.8	147	-0.01
10		Hexachlorobutadiene	0.400	0.389	2.8	143	-0.01
11	SURR	2-Methylnaphthalene-d10	0.400	0.374	6.5	146	-0.01
12		2-Methylnaphthalene	0.400	0.385	3.8	145	-0.01
13	I	Acenaphthene-d10	0.400	0.400	0.0	147	-0.01
14	S	2,4,6-Tribromophenol	0.400	0.488	-22.0	185	-0.01
15	S	2-Fluorobiphenyl	0.400	0.390	2.5	145	-0.01
16		Acenaphthylene	0.400	0.377	5.8	142	0.00
17		Acenaphthene	0.400	0.384	4.0	143	-0.01
18		Fluorene	0.400	0.386	3.5	147	0.00
19	I	Phenanthrene-d10	0.400	0.400	0.0	149	0.00
20		4,6-Dinitro-2-methylphenol	0.400	0.362	9.5	151	-0.01
21		4-Bromophenyl-phenylether	0.400	0.383	4.3	148	-0.01
22		Hexachlorobenzene	0.400	0.397	0.8	151	-0.01
23		Atrazine	0.400	0.387	3.3	158	-0.01
24		Pentachlorophenol	0.400	0.470	-17.5	205	0.00
25		Phenanthrene	0.400	0.389	2.8	149	-0.01
26		Anthracene	0.400	0.378	5.5	147	-0.01
27	SURR	Fluoranthene-d10	0.400	0.380	5.0	152	0.00
28		Fluoranthene	0.400	0.394	1.5	155	0.00
29	I	Chrysene-d12	0.400	0.400	0.0	161	0.00
30		Pyrene	0.400	0.384	4.0	156	0.00
31	S	Terphenyl-d14	0.400	0.387	3.3	158	0.00
32		Benzo(a)anthracene	0.400	0.385	3.8	161	0.00
33		Chrysene	0.400	0.399	0.3	161	0.00
34		Bis(2-ethylhexyl)phthalate	0.400	0.545	-36.3#	242	-0.02
35	I	Perylene-d12	0.400	0.400	0.0	177	-0.01
36		Indeno(1,2,3-cd)pyrene	0.400	0.467	-16.8	225	-0.02
37		Benzo(b)fluoranthene	0.400	0.393	1.8	176	-0.01
38		Benzo(k)fluoranthene	0.400	0.412	-3.0	192	-0.01
39	C	Benzo(a)pyrene	0.400	0.384	4.0	178	-0.01
40		Dibenzo(a,h)anthracene	0.400	0.459	-14.8	225	-0.02
41		Benzo(g,h,i)perylene	0.400	0.413	-3.2	189	-0.02

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

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO15

Lab Code: ACE SDG No.: Q3095

Instrument ID: BNA_N Calibration Date/Time: 09/19/2025 02:47

Lab File ID: BN037795.D Init. Calib. Date(s): 09/11/2025 09/11/2025

EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 09:56 13:33

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.530	0.490		-7.5	20.0
Fluoranthene-d10	1.004	0.858		-14.5	20.0
2-Fluorophenol	0.918	0.830		-9.6	20.0
Phenol-d6	1.191	1.152		-3.3	20.0
Nitrobenzene-d5	0.293	0.308		5.1	20.0
2-Fluorobiphenyl	1.673	1.696		1.4	20.0
2,4,6-Tribromophenol	0.104	0.120		15.4	20.0
Terphenyl-d14	0.812	0.771		-5.0	20.0
1,4-Dioxane	0.417	0.391		-6.2	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\BN091825\
Data File : BN037795.D
Acq On : 19 Sep 2025 02:47
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Sep 19 04:13:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

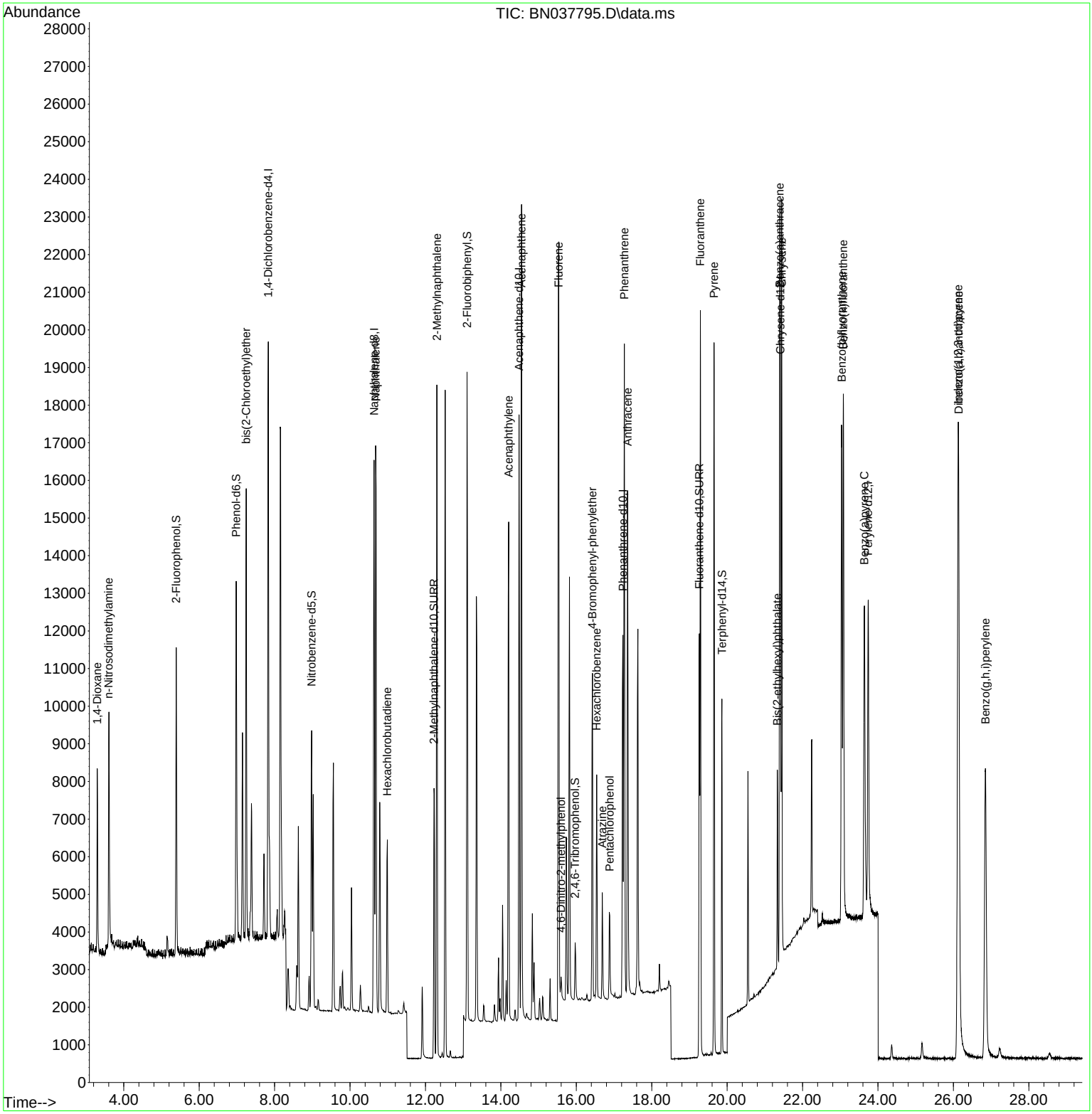
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.833	152	7724	0.400	ng		0.00
7) Naphthalene-d8	10.637	136	19361	0.400	ng		-0.01
13) Acenaphthene-d10	14.484	164	8621	0.400	ng		-0.01
19) Phenanthrene-d10	17.235	188	14380	0.400	ng	#	0.00
29) Chrysene-d12	21.411	240	11169	0.400	ng		0.00
35) Perylene-d12	23.742	264	11840	0.400	ng	#	-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.392	112	6414	0.362	ng		0.00
5) Phenol-d6	6.981	99	8898	0.387	ng		0.00
8) Nitrobenzene-d5	8.982	82	5961	0.421	ng		-0.01
11) 2-Methylnaphthalene-d10	12.228	152	9493	0.370	ng		-0.02
14) 2,4,6-Tribromophenol	15.969	330	1034	0.460	ng		-0.01
15) 2-Fluorobiphenyl	13.105	172	14625	0.406	ng		-0.01
27) Fluoranthene-d10	19.262	212	12337	0.342	ng		0.00
31) Terphenyl-d14	19.861	244	8607	0.380	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.297	88	3022	0.376	ng		95
3) n-Nitrosodimethylamine	3.601	42	3835	0.365	ng	#	90
6) bis(2-Chloroethyl)ether	7.248	93	8278	0.403	ng		99
9) Naphthalene	10.680	128	20623	0.390	ng		100
10) Hexachlorobutadiene	10.989	225	3796	0.396	ng	#	99
12) 2-Methylnaphthalene	12.304	142	12533	0.383	ng		99
16) Acenaphthylene	14.206	152	14987	0.379	ng		100
17) Acenaphthene	14.548	154	10387	0.389	ng		97
18) Fluorene	15.535	166	11958	0.369	ng		99
20) 4,6-Dinitro-2-methylph...	15.597	198	430	0.323	ng	#	74
21) 4-Bromophenyl-phenylether	16.429	248	3726	0.397	ng	#	96
22) Hexachlorobenzene	16.540	284	4695	0.435	ng		98
23) Atrazine	16.689	200	2195	0.368	ng	#	95
24) Pentachlorophenol	16.888	266	1416	0.452	ng		96
25) Phenanthrene	17.273	178	17514	0.387	ng		99
26) Anthracene	17.360	178	14982	0.374	ng		100
28) Fluoranthene	19.290	202	17532	0.353	ng		100
30) Pyrene	19.652	202	17441	0.399	ng		100
32) Benzo(a)anthracene	21.393	228	14838	0.381	ng		100
33) Chrysene	21.447	228	16770	0.401	ng		99
34) Bis(2-ethylhexyl)phtha...	21.331	149	4946	0.428	ng		99
36) Indeno(1,2,3-cd)pyrene	26.124	276	22723	0.457	ng		99
37) Benzo(b)fluoranthene	23.037	252	17698	0.380	ng		98
38) Benzo(k)fluoranthene	23.081	252	18956	0.399	ng		97
39) Benzo(a)pyrene	23.636	252	14490	0.388	ng		97
40) Dibenzo(a,h)anthracene	26.139	278	17796	0.448	ng		98
41) Benzo(g,h,i)perylene	26.849	276	18357	0.412	ng		97

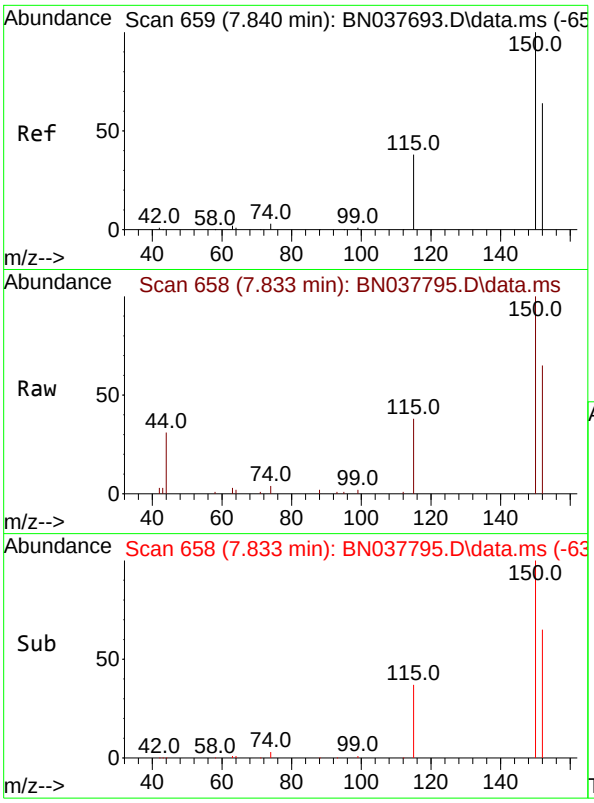
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091825\
Data File : BN037795.D
Acq On : 19 Sep 2025 02:47
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Sep 19 04:13:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration



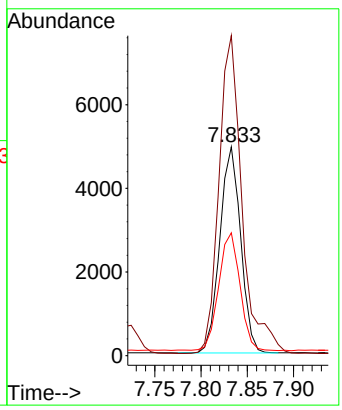


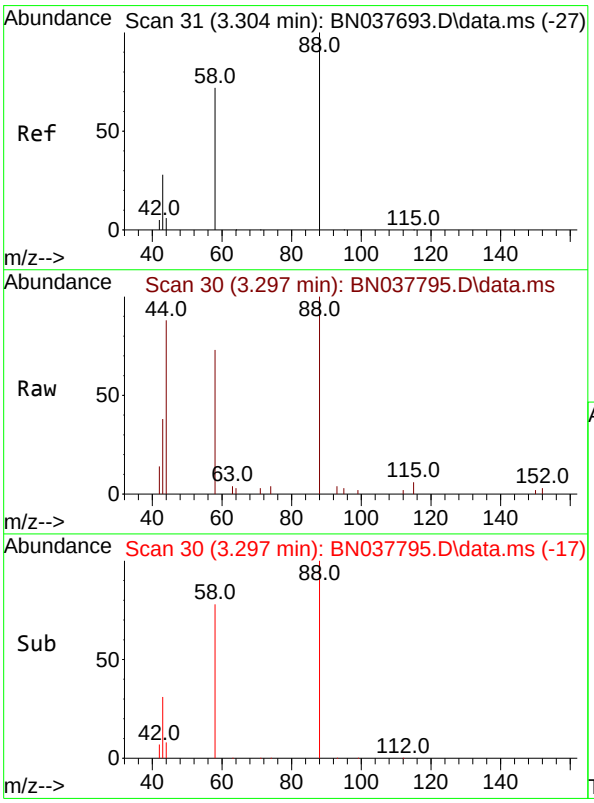
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.833 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN037795.D
Acq: 19 Sep 2025 02:47

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 7724

Ion	Ratio	Lower	Upper
152	100		
150	153.2	124.5	186.7
115	58.8	49.2	73.8

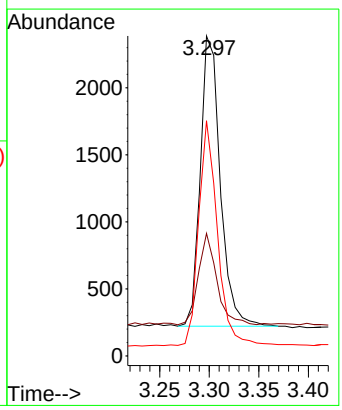


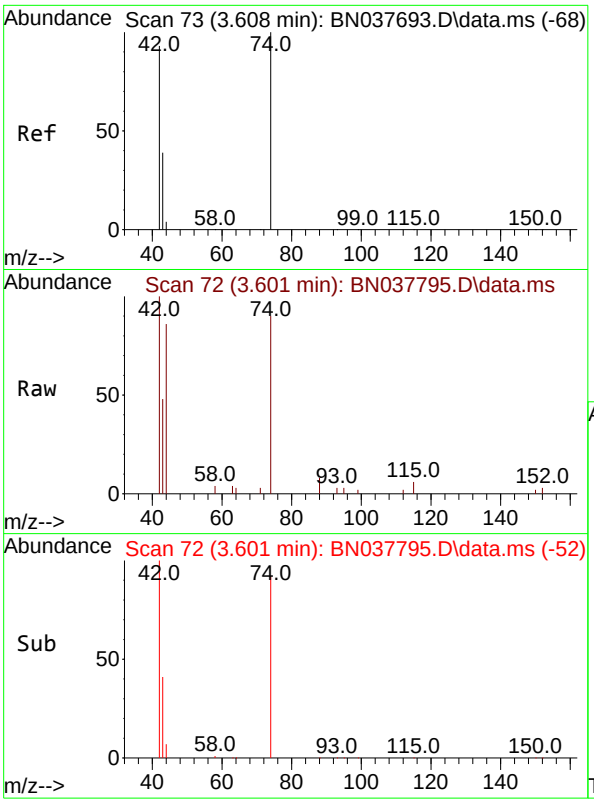


#2
1,4-Dioxane
Concen: 0.376 ng
RT: 3.297 min Scan# 30
Delta R.T. -0.007 min
Lab File: BN037795.D
Acq: 19 Sep 2025 02:47

Tgt Ion: 88 Resp: 3022

Ion	Ratio	Lower	Upper
88	100		
43	29.0	26.8	40.2
58	73.9	61.9	92.9



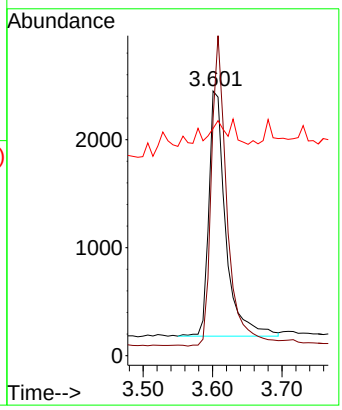


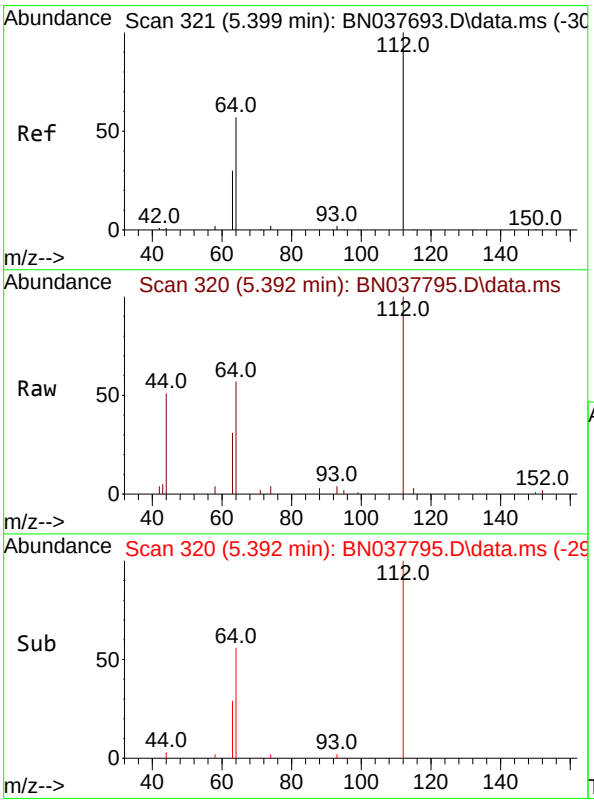
#3
n-Nitrosodimethylamine
Concen: 0.365 ng
RT: 3.601 min Scan# 7
Delta R.T. -0.007 min
Lab File: BN037795.D
Acq: 19 Sep 2025 02:47

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 3835

Ion	Ratio	Lower	Upper
42	100		
74	117.9	86.0	129.0
44	5.8	8.4	12.6#

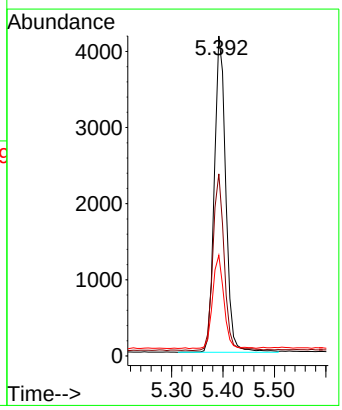


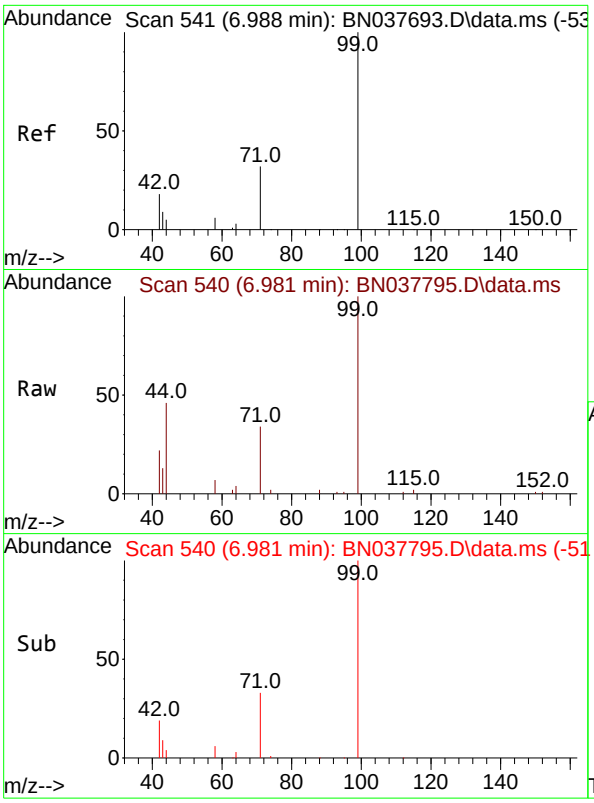


#4
2-Fluorophenol
Concen: 0.362 ng
RT: 5.392 min Scan# 320
Delta R.T. -0.007 min
Lab File: BN037795.D
Acq: 19 Sep 2025 02:47

Tgt Ion:112 Resp: 6414

Ion	Ratio	Lower	Upper
112	100		
64	55.5	44.9	67.3
63	28.9	24.7	37.1



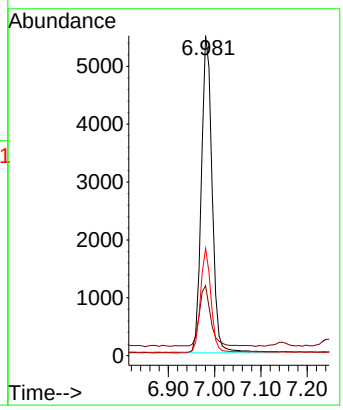


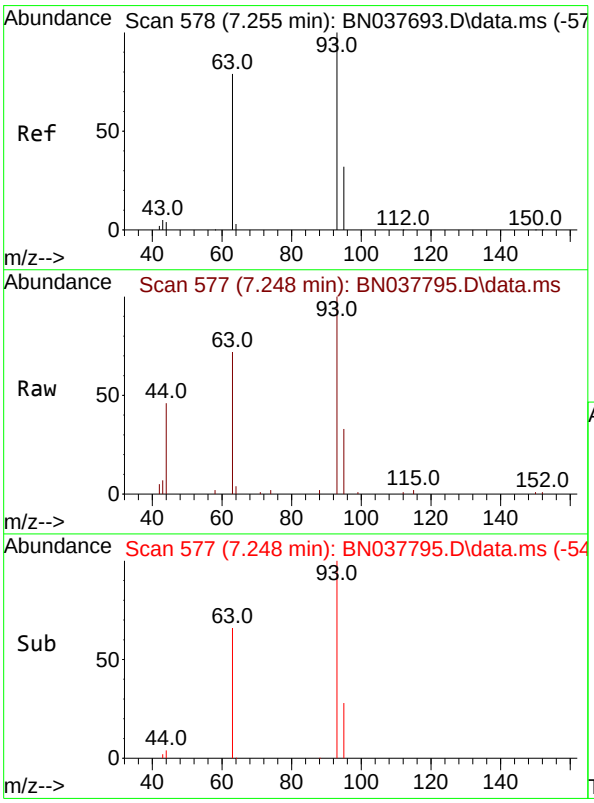
#5
Phenol-d6
Concen: 0.387 ng
RT: 6.981 min Scan# 54
Delta R.T. -0.007 min
Lab File: BN037795.D
Acq: 19 Sep 2025 02:47

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 8898

Ion	Ratio	Lower	Upper
99	100		
42	20.3	16.6	24.8
71	31.9	26.7	40.1

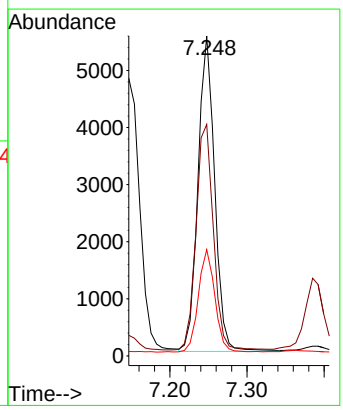


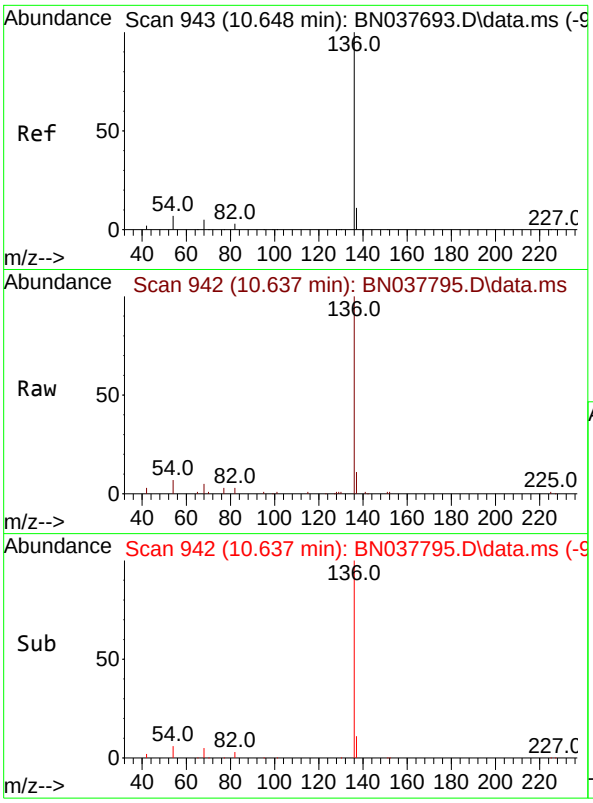


#6
bis(2-Chloroethyl)ether
Concen: 0.403 ng
RT: 7.248 min Scan# 577
Delta R.T. -0.007 min
Lab File: BN037795.D
Acq: 19 Sep 2025 02:47

Tgt Ion: 93 Resp: 8278

Ion	Ratio	Lower	Upper
93	100		
63	74.3	60.6	90.8
95	32.5	26.0	39.0



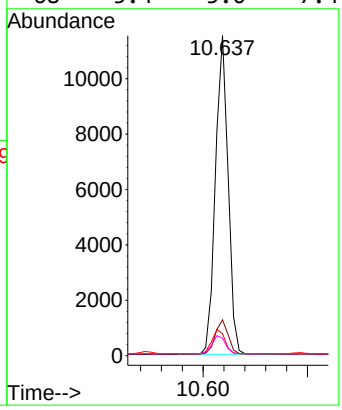


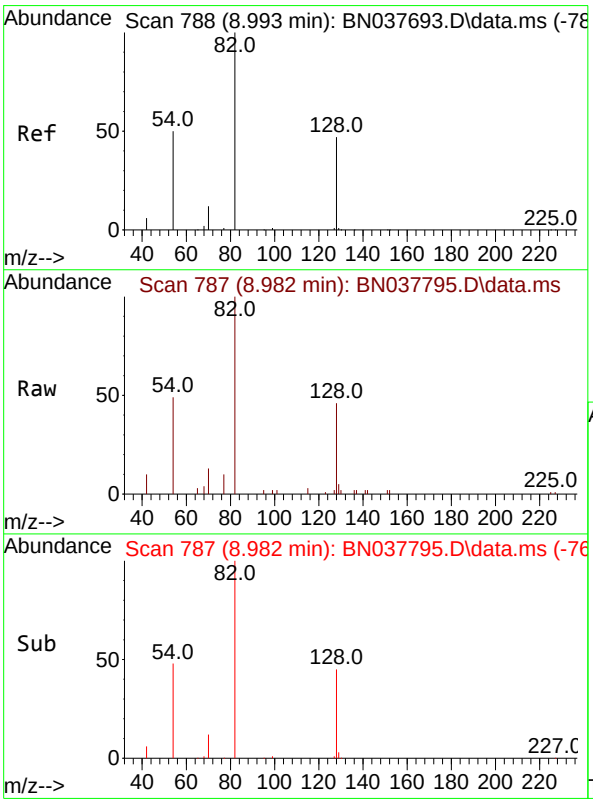
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.637 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037795.D
Acq: 19 Sep 2025 02:47

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 19361

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	6.9	6.3	9.5
68	5.4	5.0	7.4

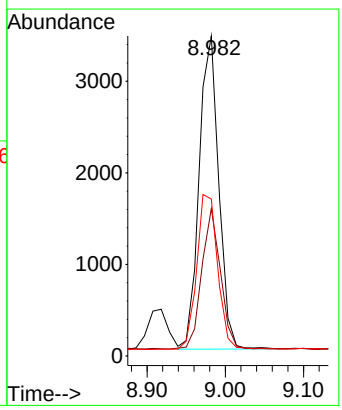


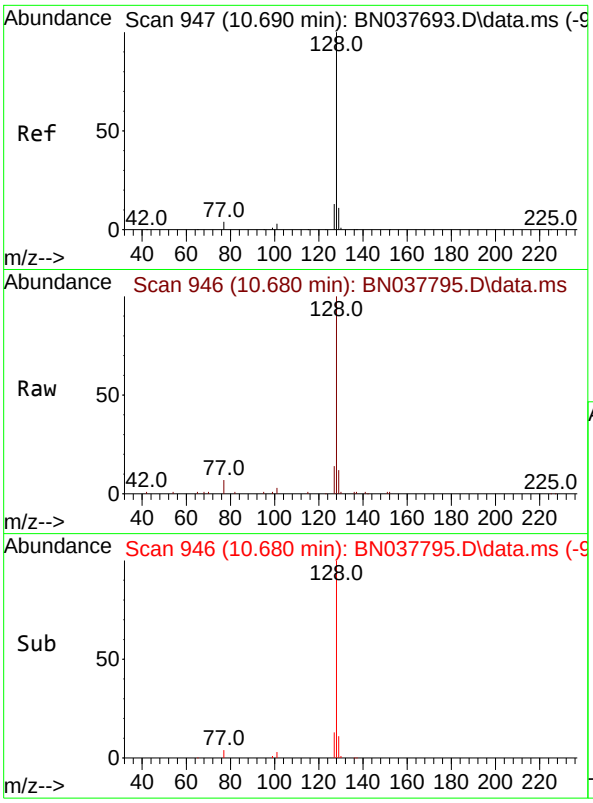


#8
Nitrobenzene-d5
Concen: 0.421 ng
RT: 8.982 min Scan# 787
Delta R.T. -0.011 min
Lab File: BN037795.D
Acq: 19 Sep 2025 02:47

Tgt Ion: 82 Resp: 5961

Ion	Ratio	Lower	Upper
82	100		
128	46.0	38.3	57.5
54	49.1	41.4	62.2



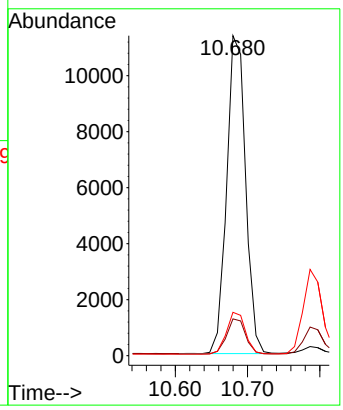


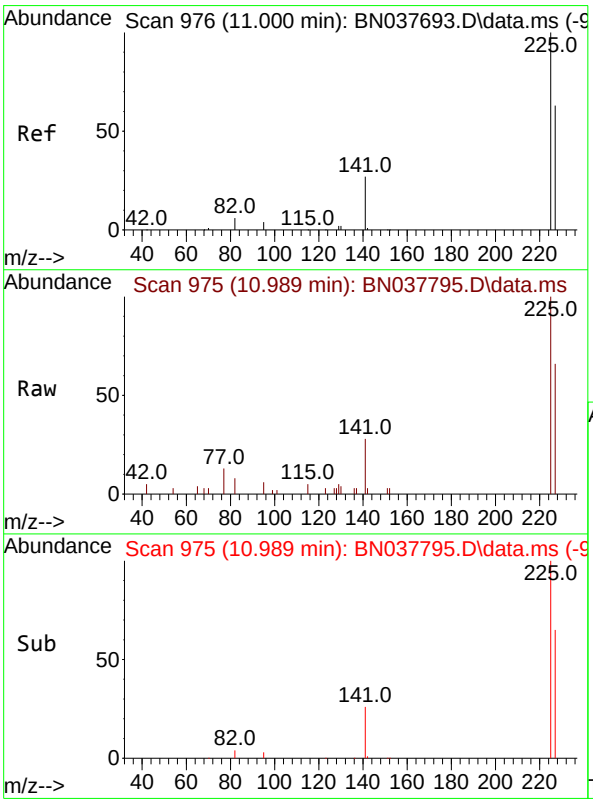
#9
Naphthalene
Concen: 0.390 ng
RT: 10.680 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037795.D
Acq: 19 Sep 2025 02:47

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 20623

Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.1	13.7
127	13.6	10.9	16.3

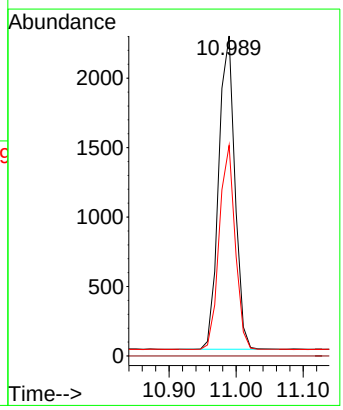


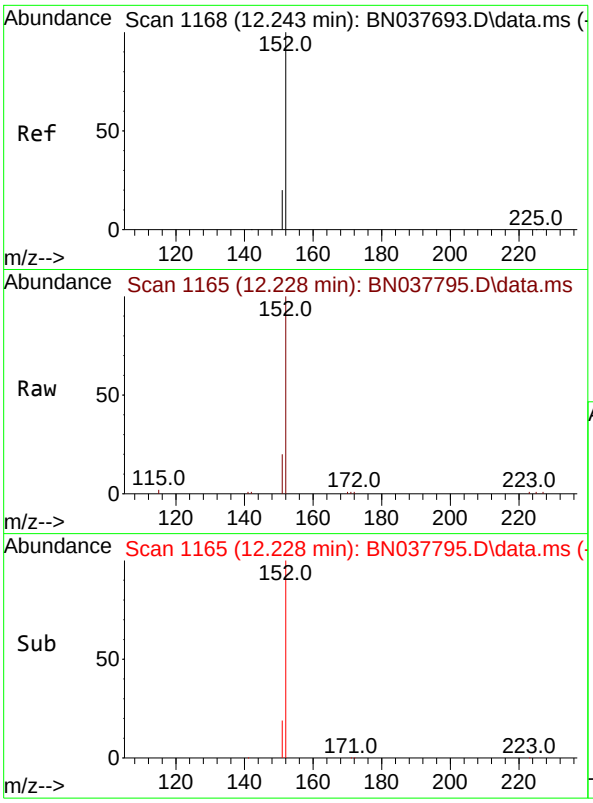


#10
Hexachlorobutadiene
Concen: 0.396 ng
RT: 10.989 min Scan# 975
Delta R.T. -0.011 min
Lab File: BN037795.D
Acq: 19 Sep 2025 02:47

Tgt Ion:225 Resp: 3796

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.1	50.9	76.3



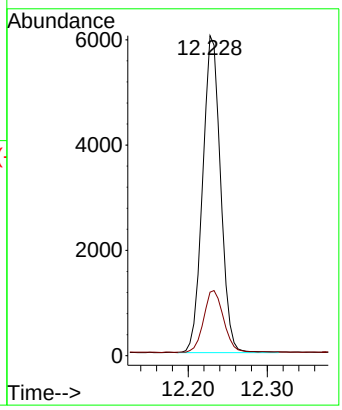


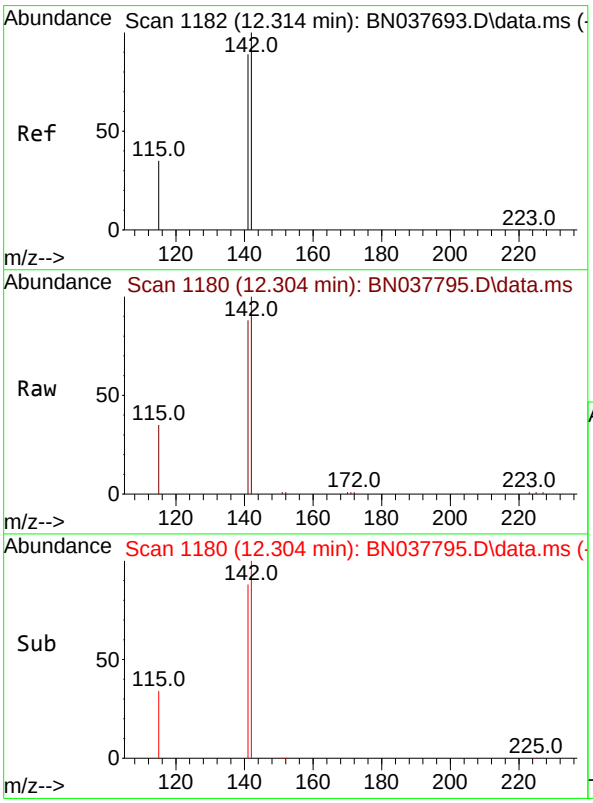
#11
2-Methylnaphthalene-d10
Concen: 0.370 ng
RT: 12.228 min Scan# 11
Delta R.T. -0.015 min
Lab File: BN037795.D
Acq: 19 Sep 2025 02:47

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 9493

Ion	Ratio	Lower	Upper
152	100		
151	21.8	17.0	25.6

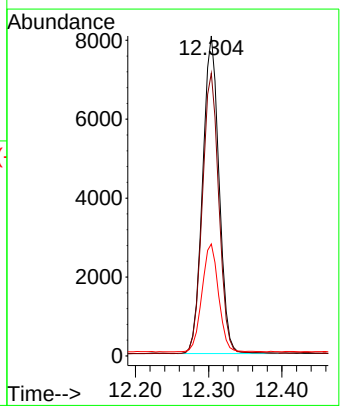


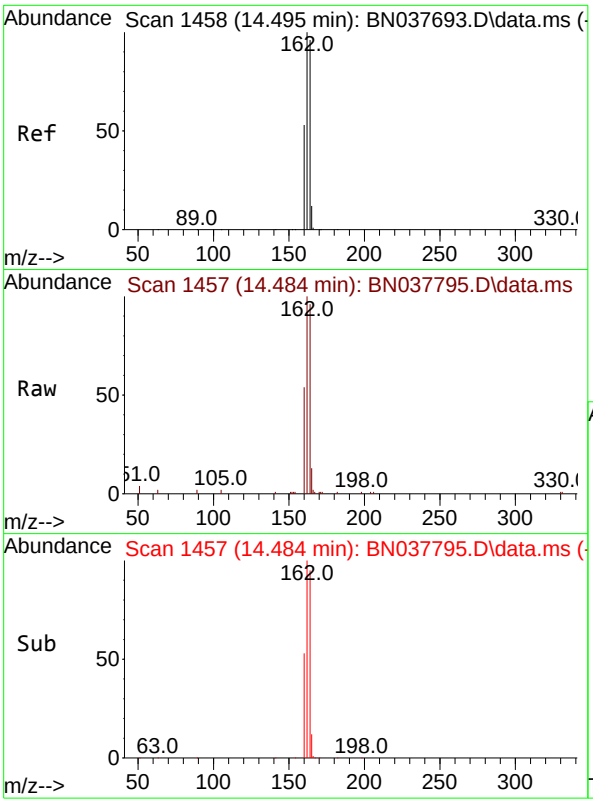


#12
2-Methylnaphthalene
Concen: 0.383 ng
RT: 12.304 min Scan# 1180
Delta R.T. -0.010 min
Lab File: BN037795.D
Acq: 19 Sep 2025 02:47

Tgt Ion:142 Resp: 12533

Ion	Ratio	Lower	Upper
142	100		
141	88.4	71.6	107.4
115	35.0	28.6	43.0



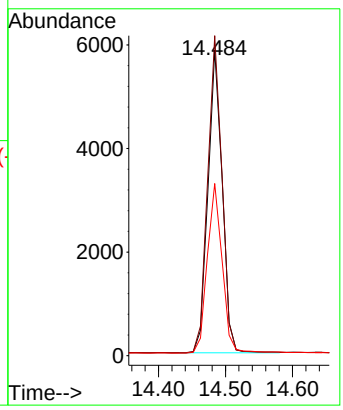


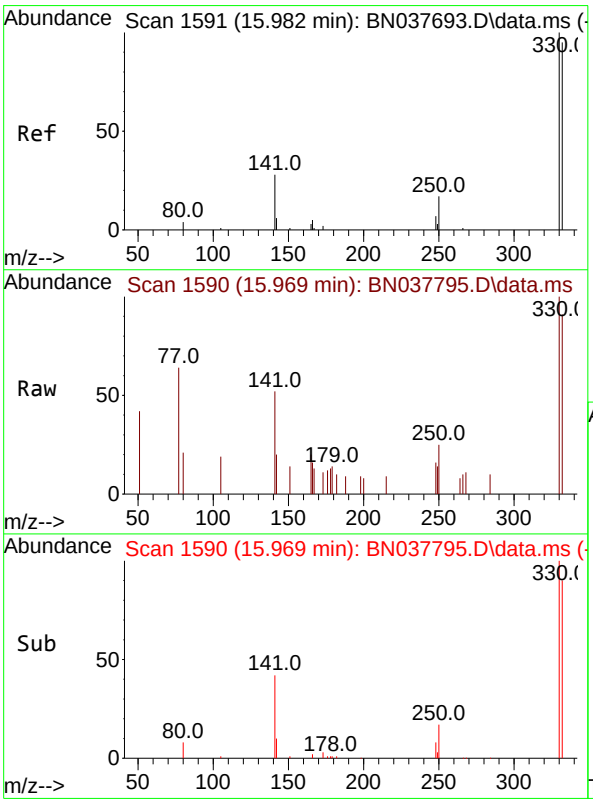
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.484 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN037795.D
Acq: 19 Sep 2025 02:47

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 8621

Ion	Ratio	Lower	Upper
164	100		
162	104.7	83.1	124.7
160	56.3	44.3	66.5

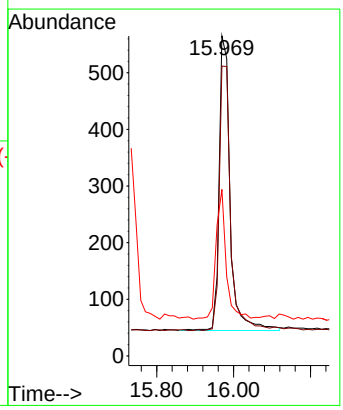


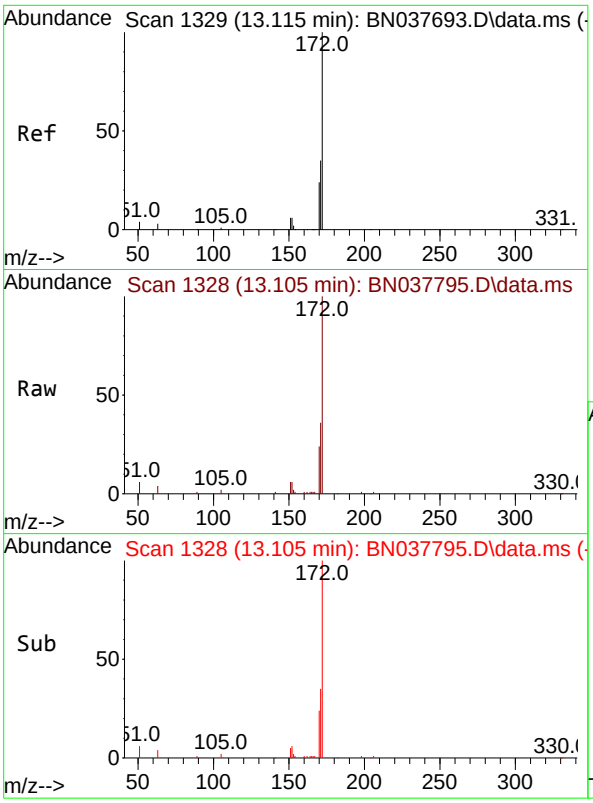


#14
2,4,6-Tribromophenol
Concen: 0.460 ng
RT: 15.969 min Scan# 1590
Delta R.T. -0.013 min
Lab File: BN037795.D
Acq: 19 Sep 2025 02:47

Tgt Ion:330 Resp: 1034

Ion	Ratio	Lower	Upper
330	100		
332	92.1	75.3	112.9
141	40.2	35.0	52.4



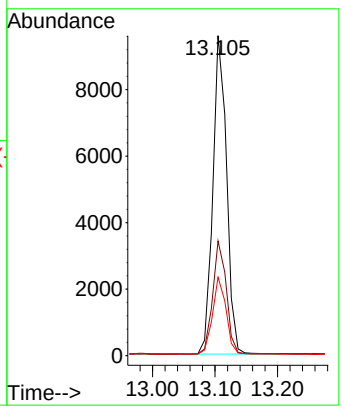


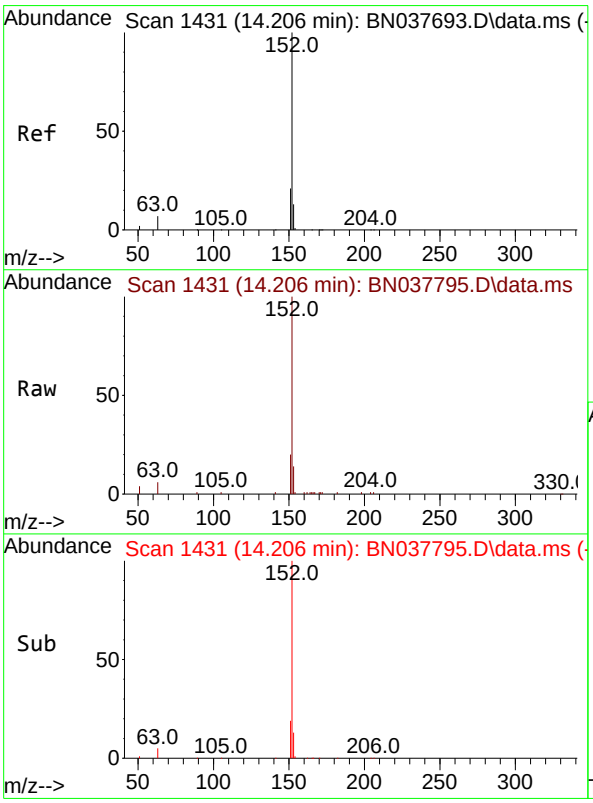
#15
2-Fluorobiphenyl
Concen: 0.406 ng
RT: 13.105 min Scan# 1
Delta R.T. -0.011 min
Lab File: BN037795.D
Acq: 19 Sep 2025 02:47

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 14625

Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.6	43.0
170	24.5	19.8	29.8

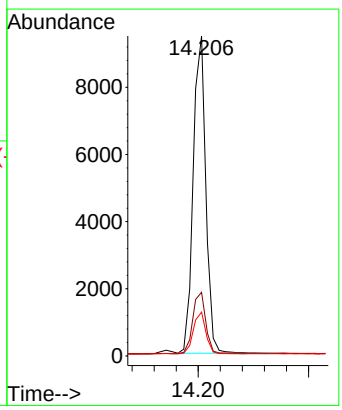


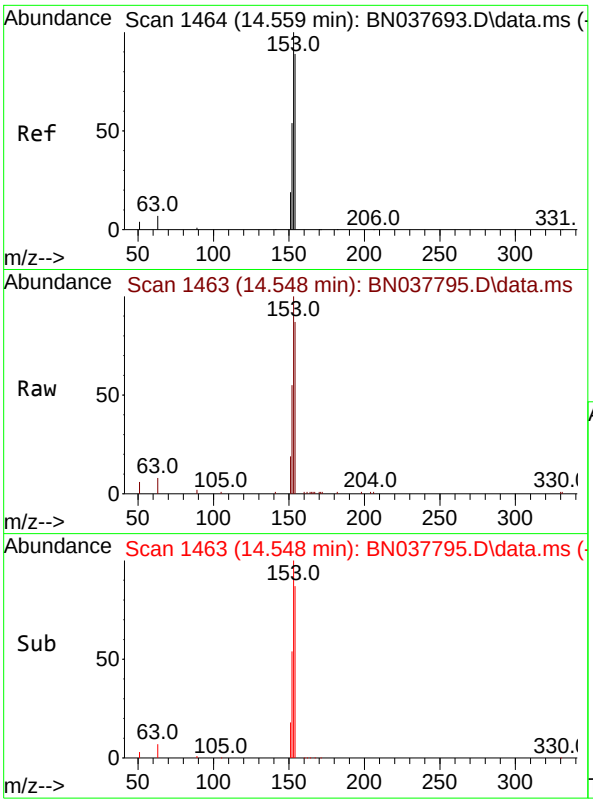


#16
Acenaphthylene
Concen: 0.379 ng
RT: 14.206 min Scan# 1431
Delta R.T. 0.000 min
Lab File: BN037795.D
Acq: 19 Sep 2025 02:47

Tgt Ion:152 Resp: 14987

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.2	24.2
153	13.0	10.4	15.6



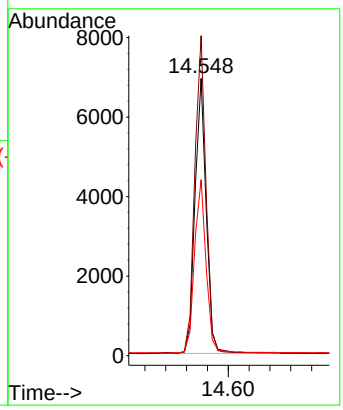


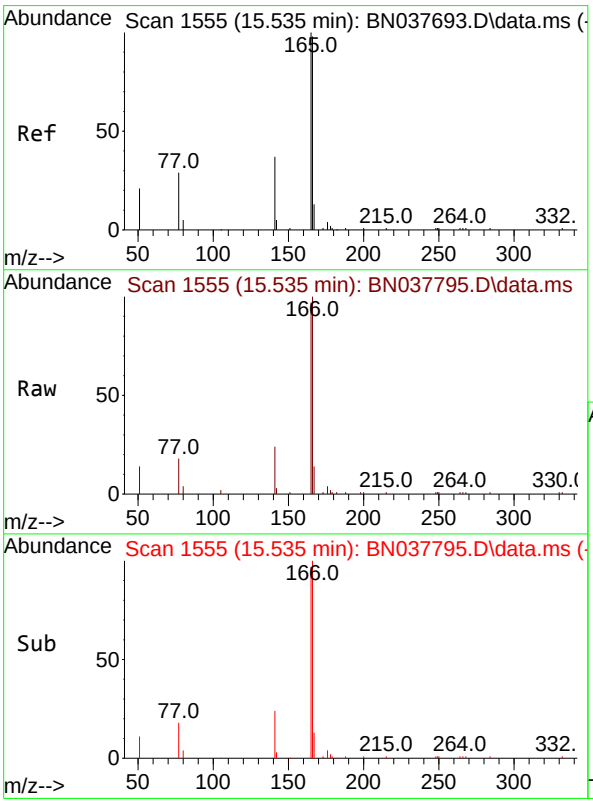
#17
Acenaphthene
Concen: 0.389 ng
RT: 14.548 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN037795.D
Acq: 19 Sep 2025 02:47

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 10387

Ion	Ratio	Lower	Upper
154	100		
153	115.4	89.8	134.8
152	65.2	50.2	75.2

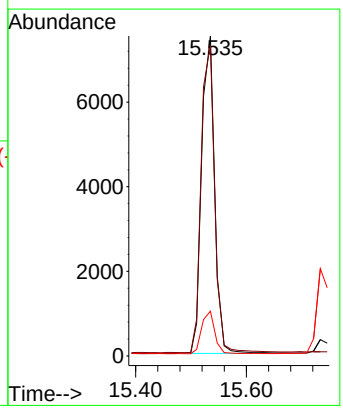


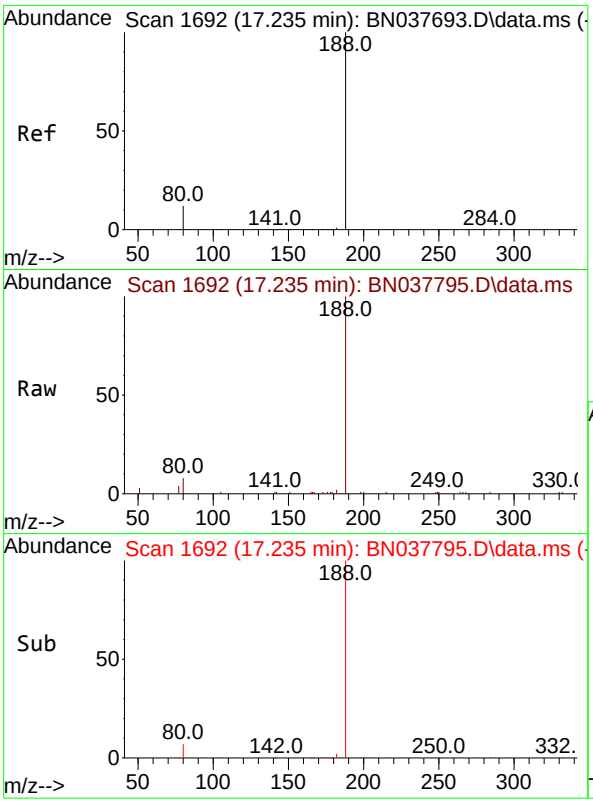


#18
Fluorene
Concen: 0.369 ng
RT: 15.535 min Scan# 1555
Delta R.T. 0.000 min
Lab File: BN037795.D
Acq: 19 Sep 2025 02:47

Tgt Ion:166 Resp: 11958

Ion	Ratio	Lower	Upper
166	100		
165	100.3	79.6	119.4
167	13.3	10.6	16.0



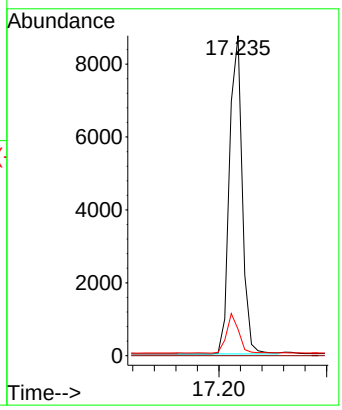


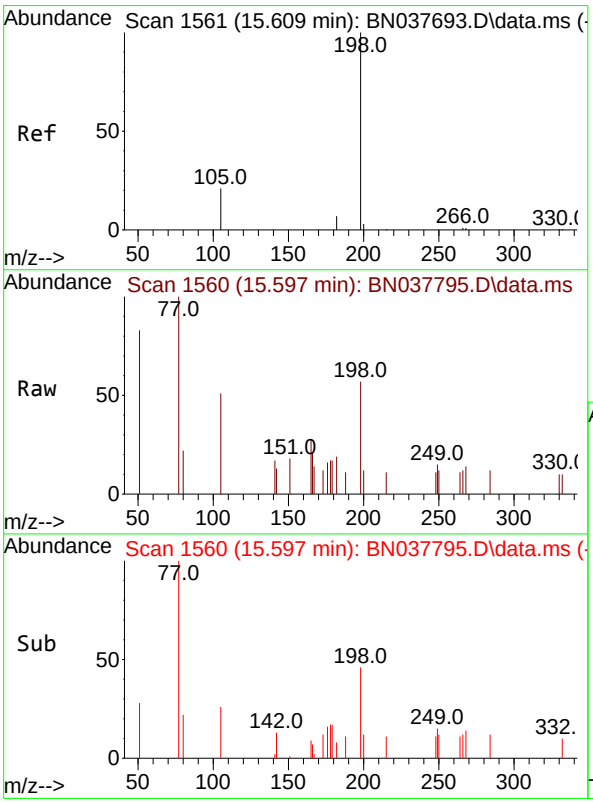
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.235 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037795.D
Acq: 19 Sep 2025 02:47

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 14380

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.3	10.6	15.8#

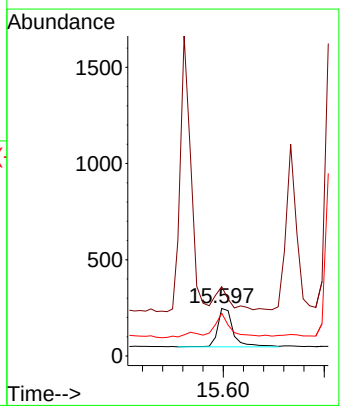


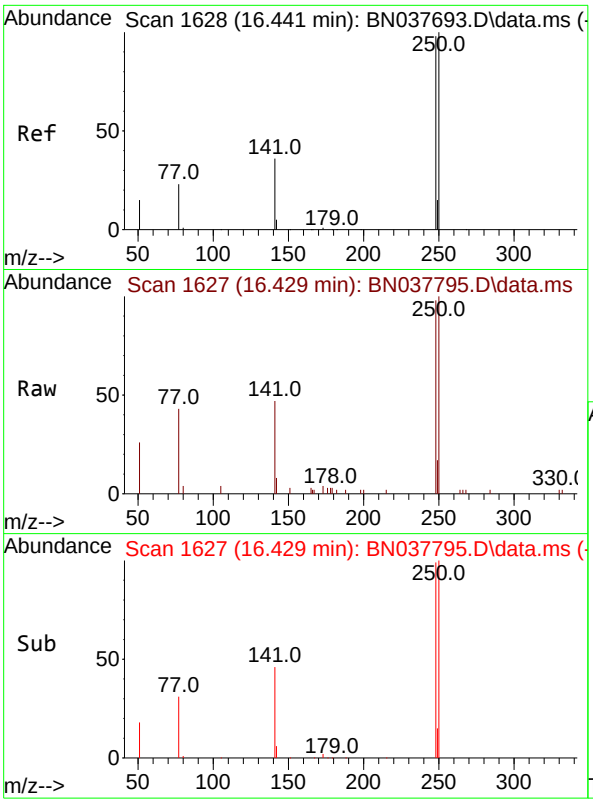


#20
4,6-Dinitro-2-methylphenol
Concen: 0.323 ng
RT: 15.597 min Scan# 1560
Delta R.T. -0.012 min
Lab File: BN037795.D
Acq: 19 Sep 2025 02:47

Tgt Ion:198 Resp: 430

Ion	Ratio	Lower	Upper
198	100		
51	145.7	95.1	142.7#
105	89.9	53.8	80.6#



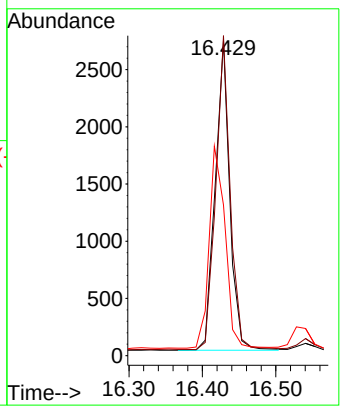


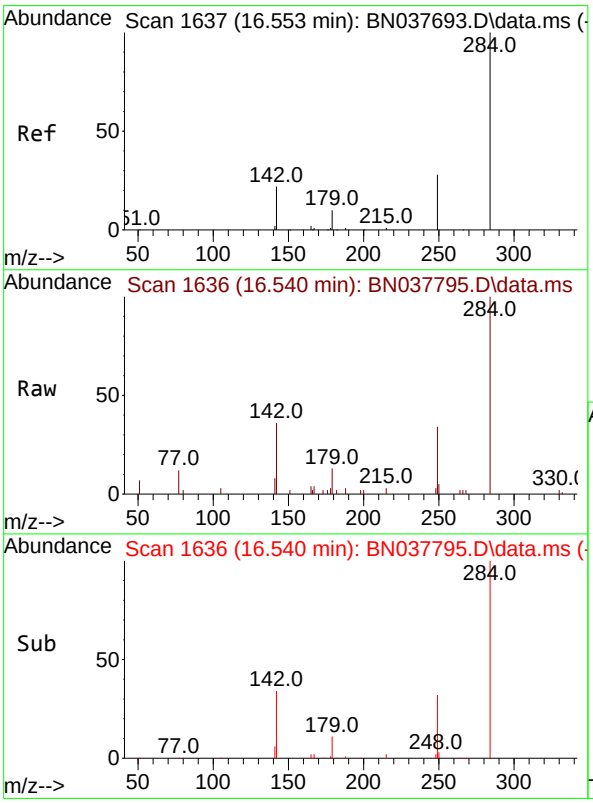
#21
4-Bromophenyl-phenylether
Concen: 0.397 ng
RT: 16.429 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037795.D
Acq: 19 Sep 2025 02:47

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:248 Resp: 3726

Ion	Ratio	Lower	Upper
248	100		
250	101.6	81.5	122.3
141	47.8	30.8	46.2#

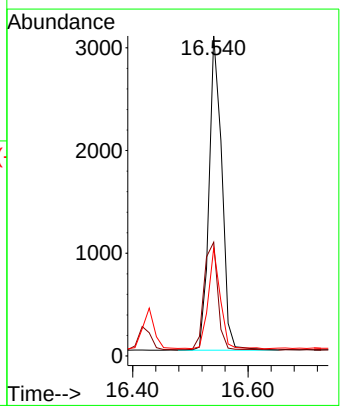


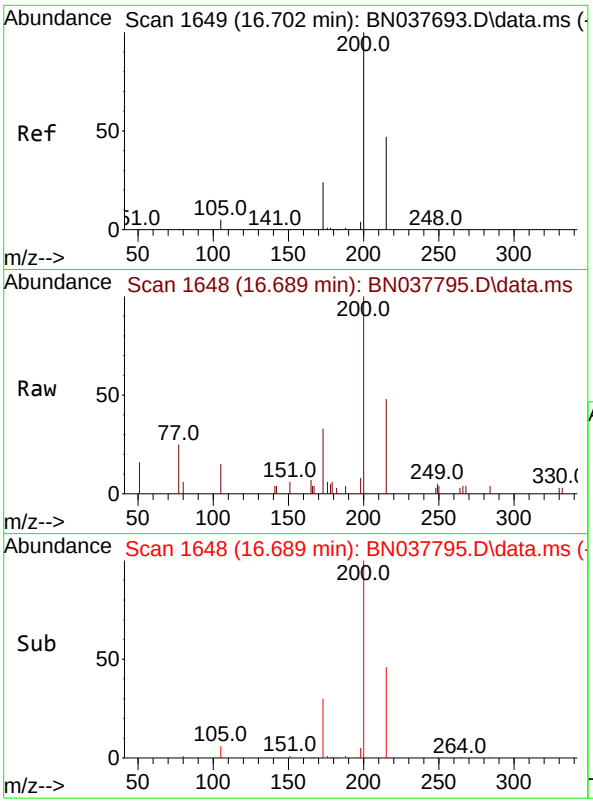


#22
Hexachlorobenzene
Concen: 0.435 ng
RT: 16.540 min Scan# 1636
Delta R.T. -0.012 min
Lab File: BN037795.D
Acq: 19 Sep 2025 02:47

Tgt Ion:284 Resp: 4695

Ion	Ratio	Lower	Upper
284	100		
142	37.2	30.9	46.3
249	30.1	24.8	37.2



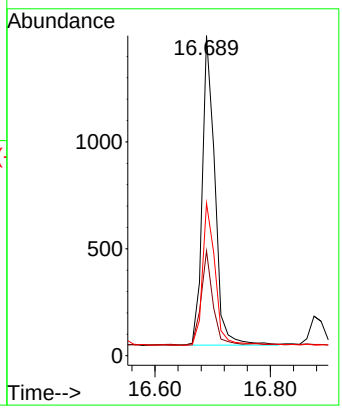


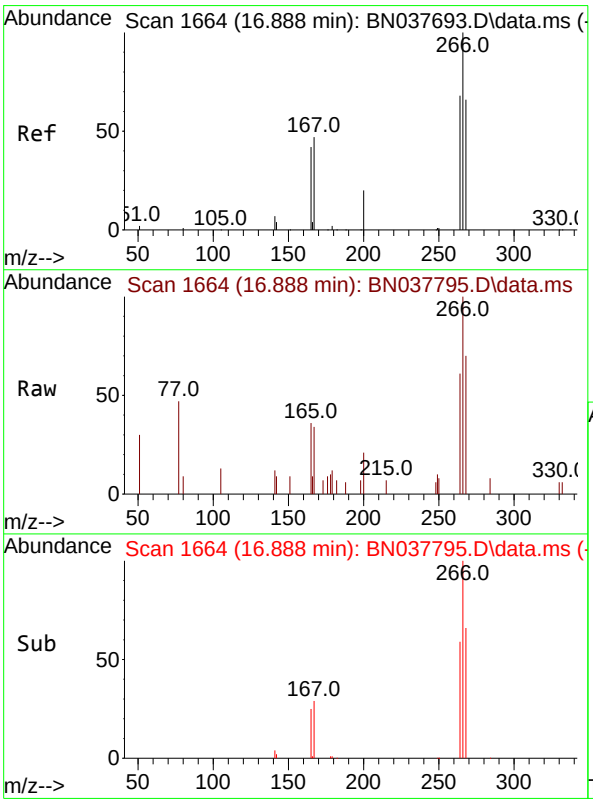
#23
Atrazine
Concen: 0.368 ng
RT: 16.689 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037795.D
Acq: 19 Sep 2025 02:47

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:200 Resp: 2195

Ion	Ratio	Lower	Upper
200	100		
173	32.7	21.4	32.2#
215	47.6	39.2	58.8

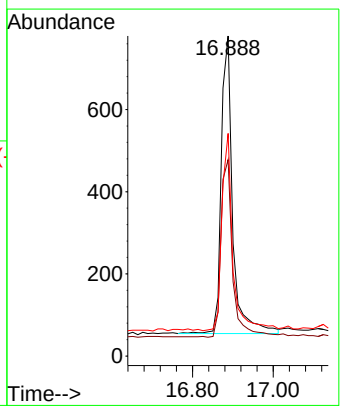


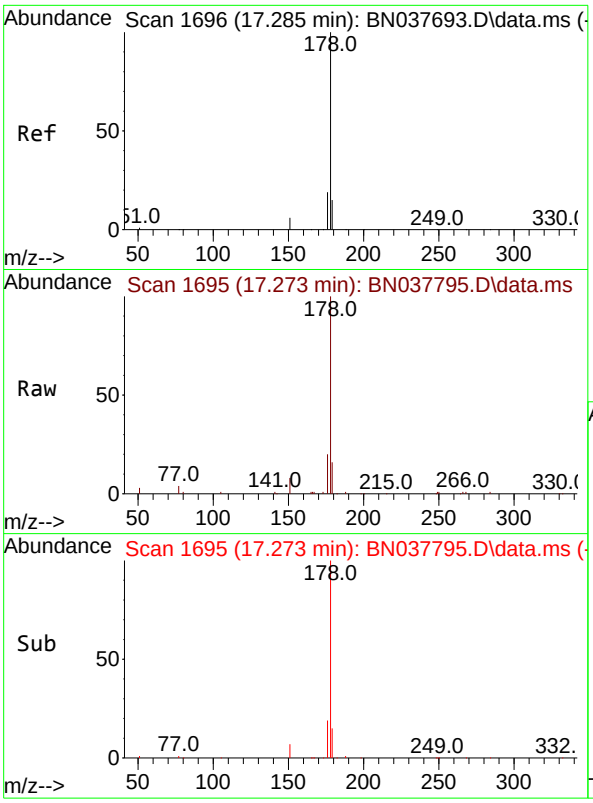


#24
Pentachlorophenol
Concen: 0.452 ng
RT: 16.888 min Scan# 1664
Delta R.T. 0.000 min
Lab File: BN037795.D
Acq: 19 Sep 2025 02:47

Tgt Ion:266 Resp: 1416

Ion	Ratio	Lower	Upper
266	100		
264	61.1	51.6	77.4
268	64.3	53.2	79.8



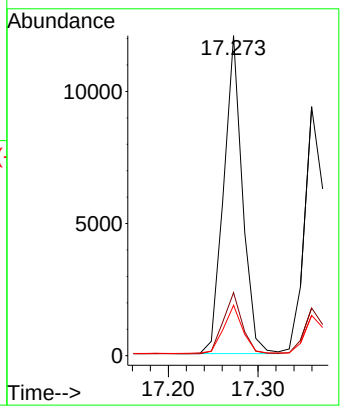


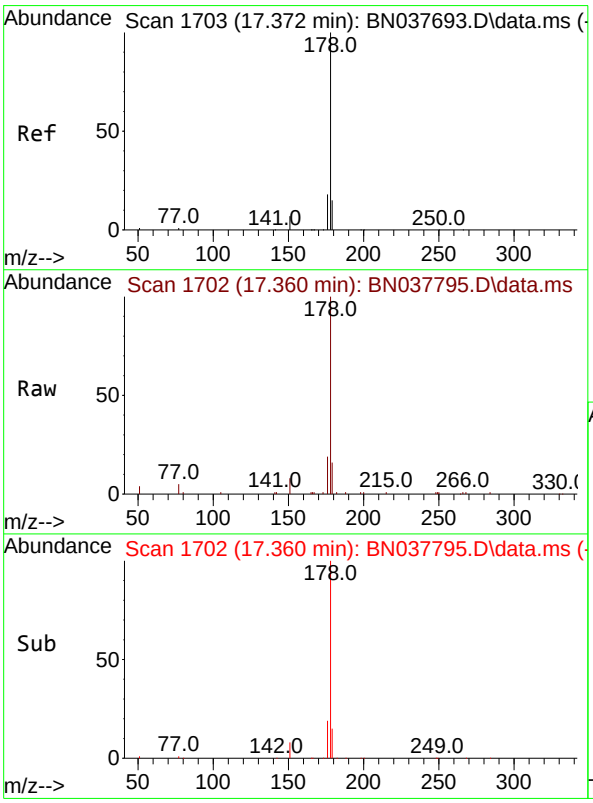
#25
Phenanthrene
Concen: 0.387 ng
RT: 17.273 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037795.D
Acq: 19 Sep 2025 02:47

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 17514

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	15.6	12.2	18.2

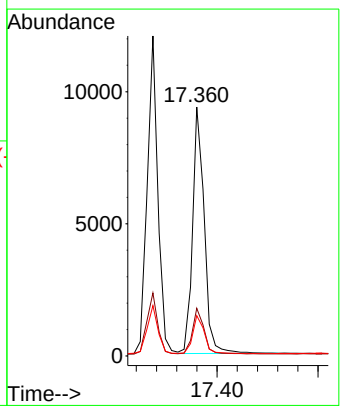


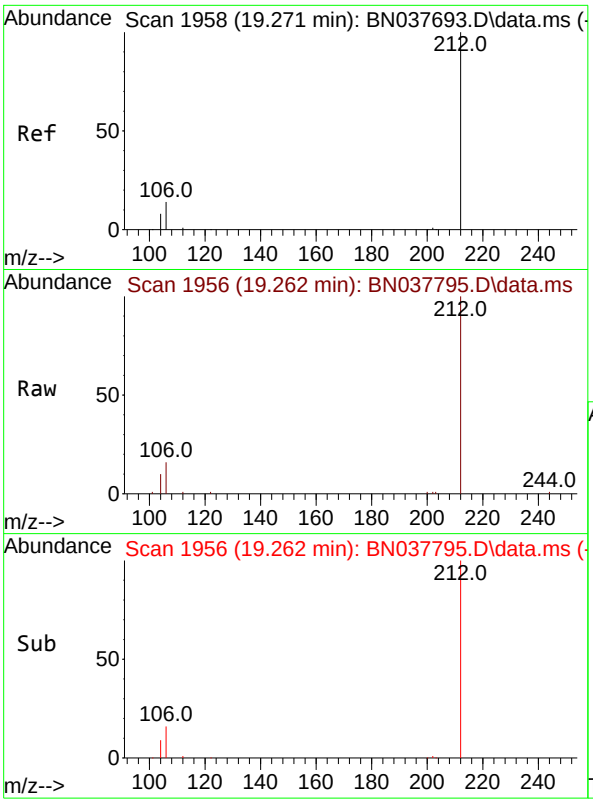


#26
Anthracene
Concen: 0.374 ng
RT: 17.360 min Scan# 1702
Delta R.T. -0.012 min
Lab File: BN037795.D
Acq: 19 Sep 2025 02:47

Tgt Ion:178 Resp: 14982

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.6	22.0
179	15.3	12.2	18.4



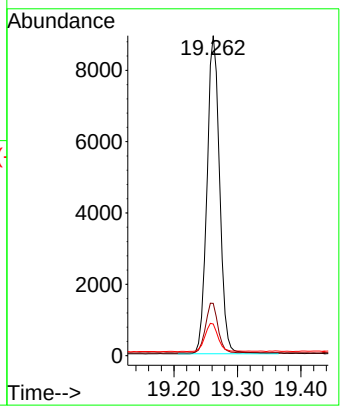


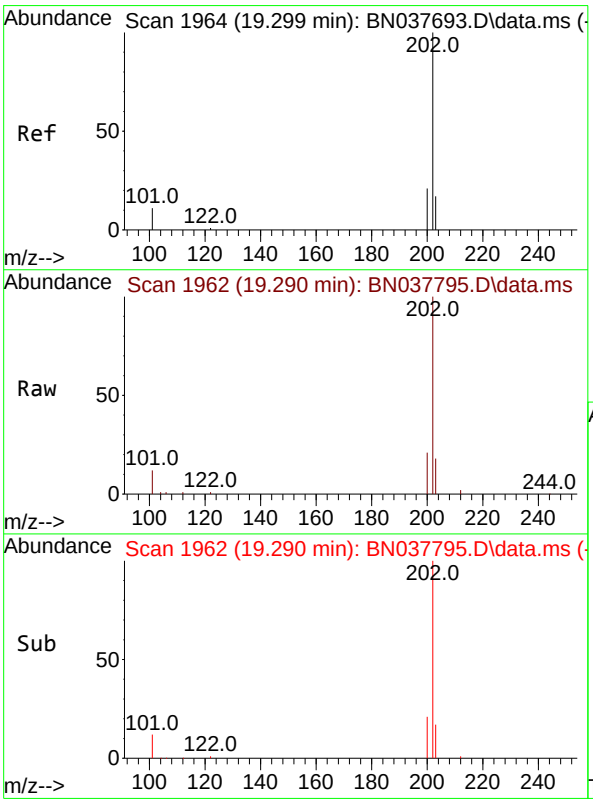
#27
Fluoranthene-d10
Concen: 0.342 ng
RT: 19.262 min Scan# 1
Delta R.T. -0.009 min
Lab File: BN037795.D
Acq: 19 Sep 2025 02:47

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 12337

Ion	Ratio	Lower	Upper
212	100		
106	15.5	12.2	18.2
104	9.0	6.9	10.3

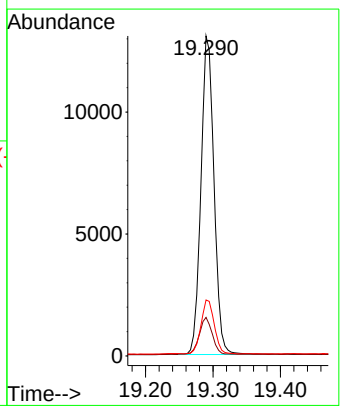


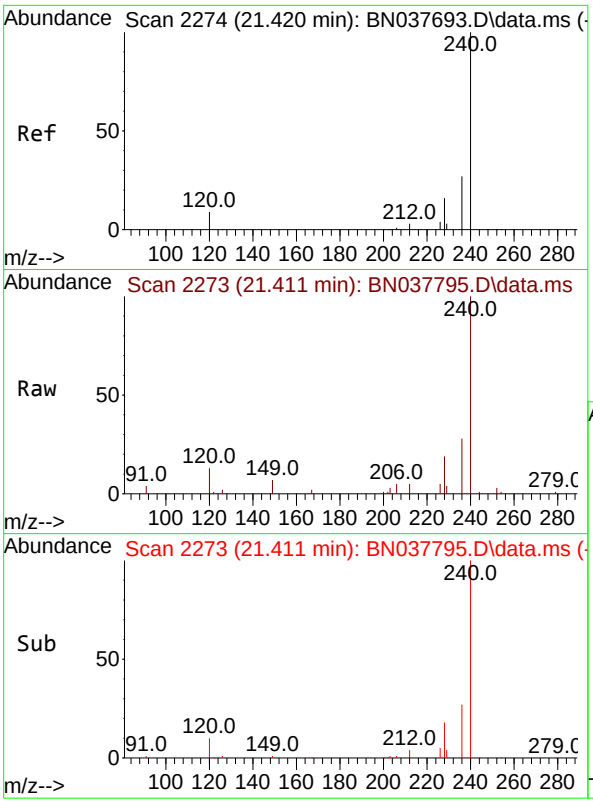


#28
Fluoranthene
Concen: 0.353 ng
RT: 19.290 min Scan# 1962
Delta R.T. -0.009 min
Lab File: BN037795.D
Acq: 19 Sep 2025 02:47

Tgt Ion:202 Resp: 17532

Ion	Ratio	Lower	Upper
202	100		
101	11.7	9.3	13.9
203	17.1	13.7	20.5



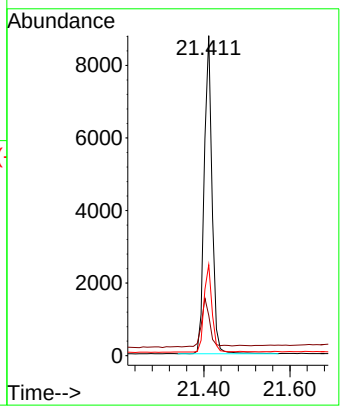


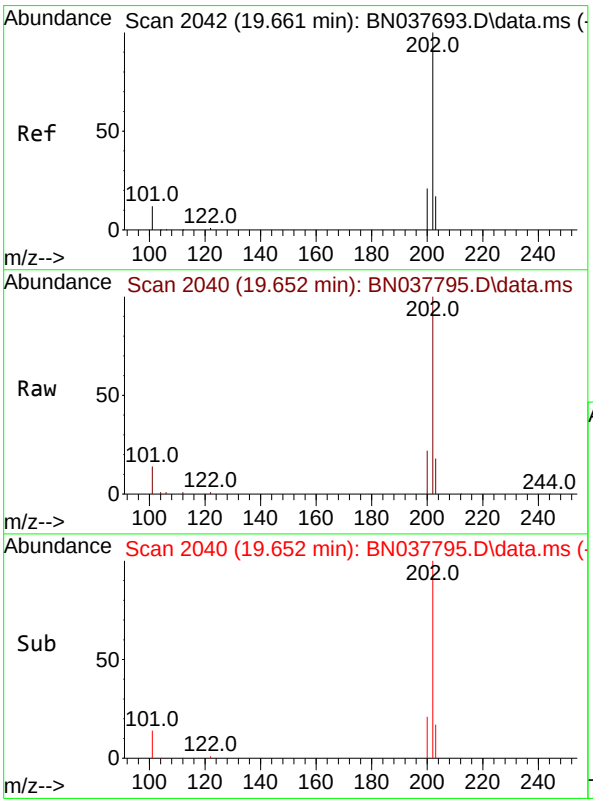
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.411 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037795.D
Acq: 19 Sep 2025 02:47

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 11169

Ion	Ratio	Lower	Upper
240	100		
120	12.6	9.2	13.8
236	28.4	22.6	33.8

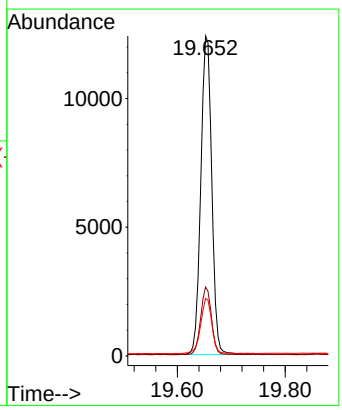


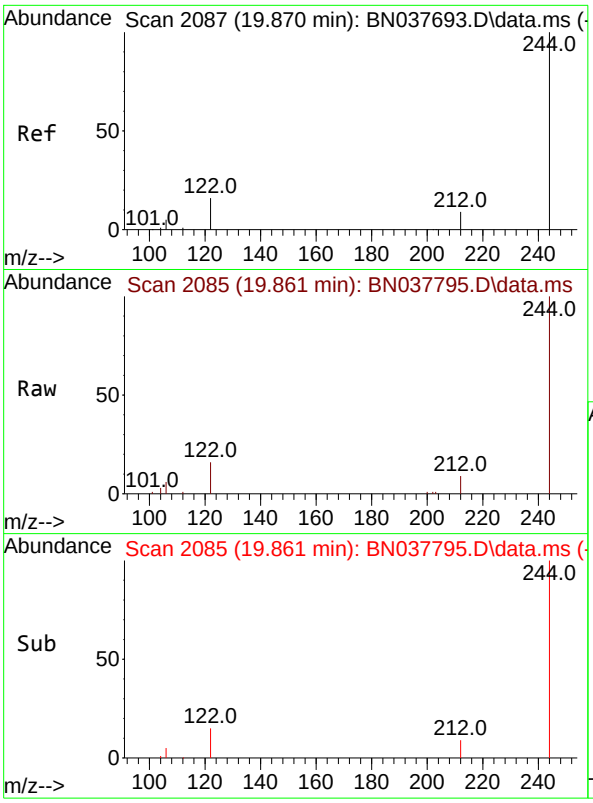


#30
Pyrene
Concen: 0.399 ng
RT: 19.652 min Scan# 2040
Delta R.T. -0.009 min
Lab File: BN037795.D
Acq: 19 Sep 2025 02:47

Tgt Ion:202 Resp: 17441

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.8	25.2
203	17.6	14.3	21.5



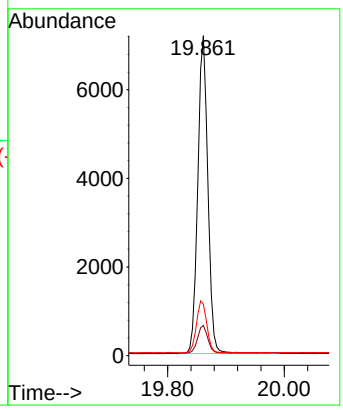


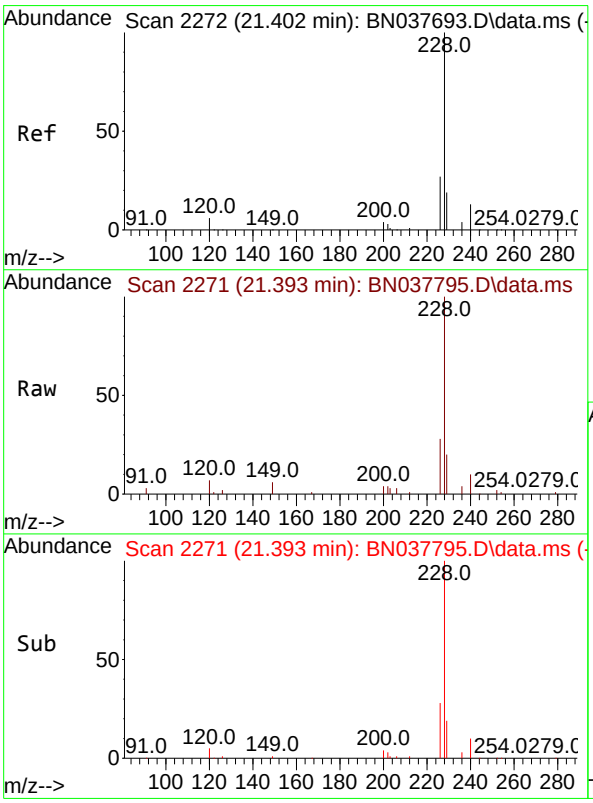
#31
Terphenyl-d14
Concen: 0.380 ng
RT: 19.861 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037795.D
Acq: 19 Sep 2025 02:47

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 8607

Ion	Ratio	Lower	Upper
244	100		
212	9.4	7.5	11.3
122	16.1	13.2	19.8

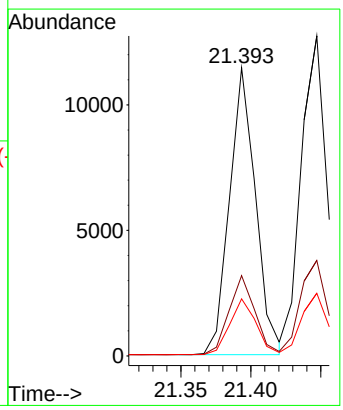


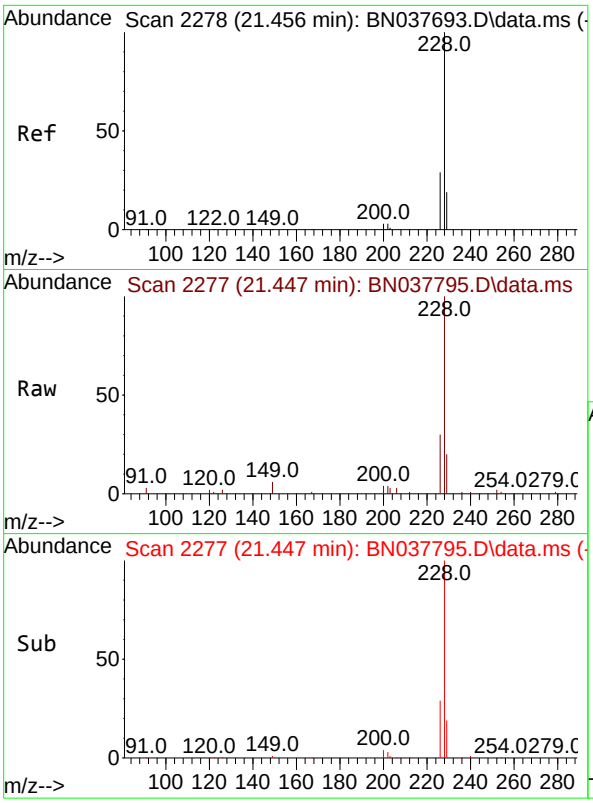


#32
Benzo(a)anthracene
Concen: 0.381 ng
RT: 21.393 min Scan# 2271
Delta R.T. -0.009 min
Lab File: BN037795.D
Acq: 19 Sep 2025 02:47

Tgt Ion:228 Resp: 14838

Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.2	33.2
229	19.8	15.8	23.6



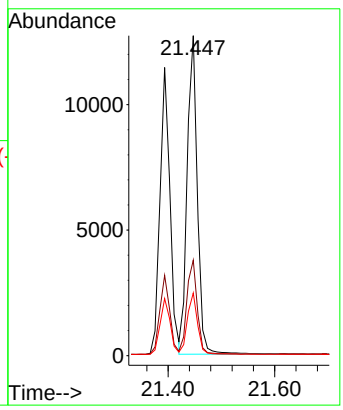


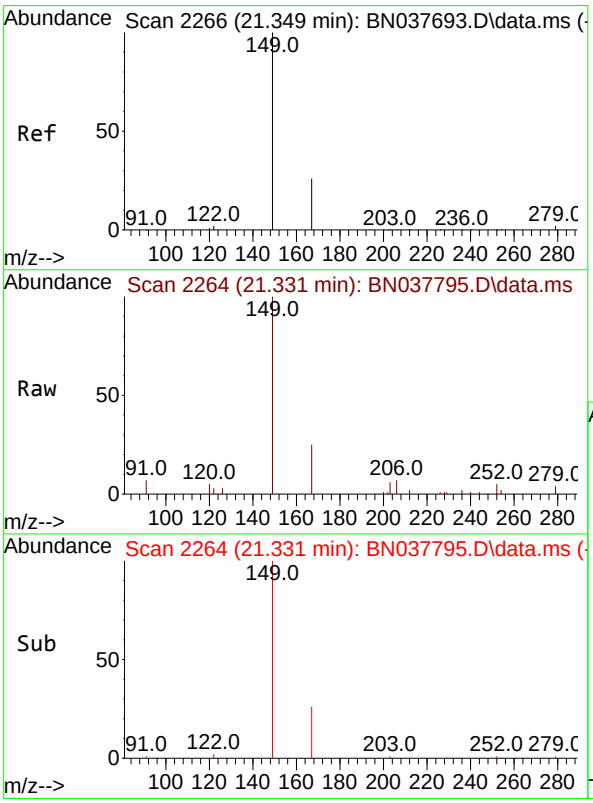
#33
Chrysene
Concen: 0.401 ng
RT: 21.447 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037795.D
Acq: 19 Sep 2025 02:47

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 16770

Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.5	35.3
229	19.6	15.9	23.9

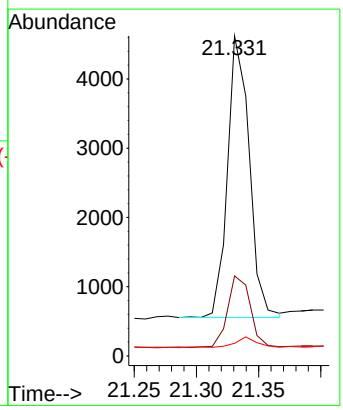


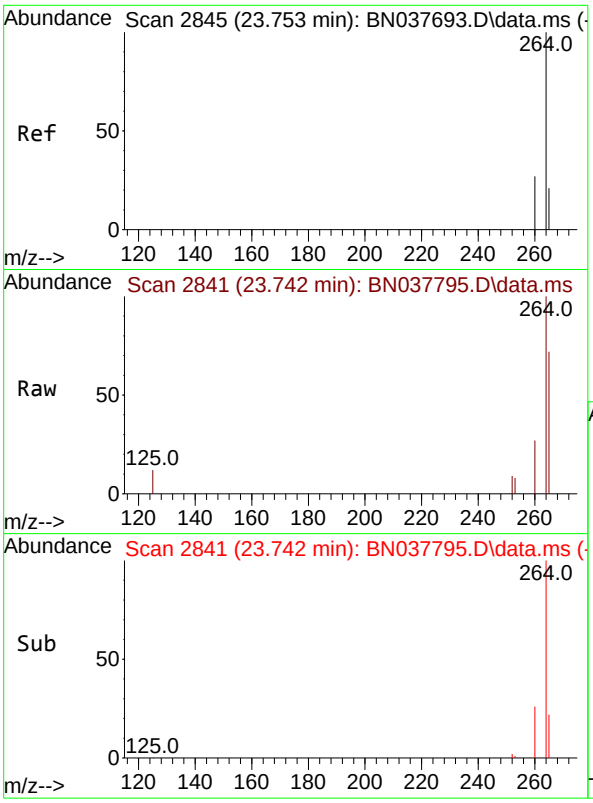


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.428 ng
RT: 21.331 min Scan# 2264
Delta R.T. -0.018 min
Lab File: BN037795.D
Acq: 19 Sep 2025 02:47

Tgt Ion:149 Resp: 4946

Ion	Ratio	Lower	Upper
149	100		
167	26.7	20.8	31.2
279	4.1	3.3	4.9



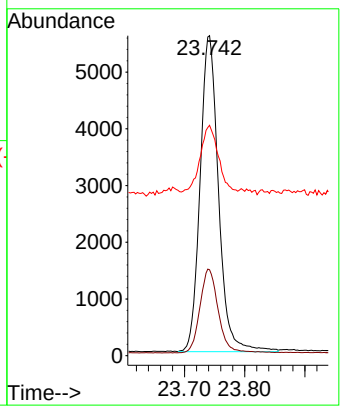


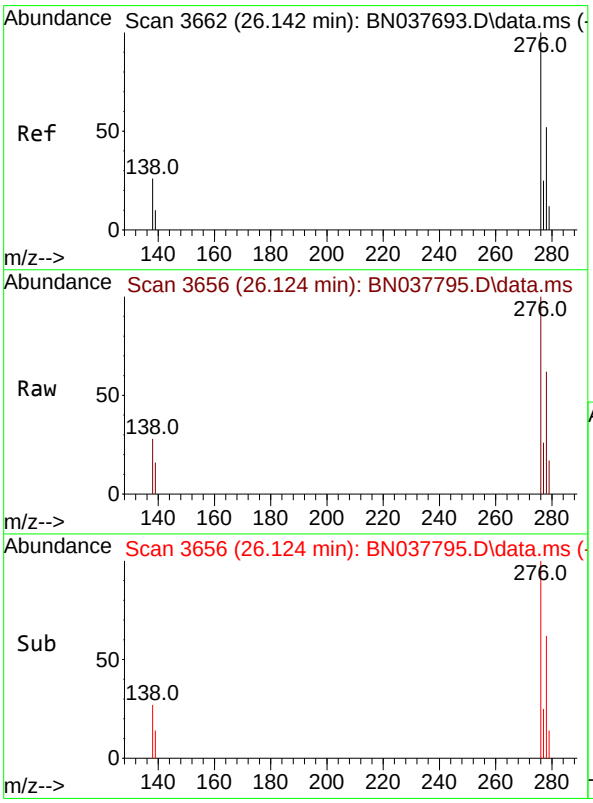
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.742 min Scan# 2
Delta R.T. -0.012 min
Lab File: BN037795.D
Acq: 19 Sep 2025 02:47

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:264 Resp: 11840

Ion	Ratio	Lower	Upper
264	100		
260	26.8	21.8	32.8
265	72.0	39.4	59.2#

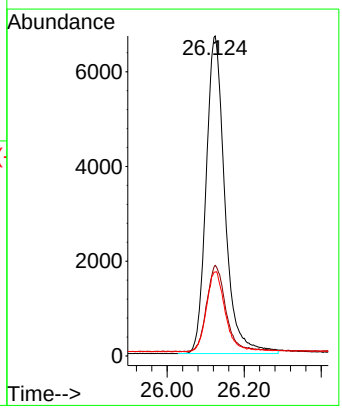


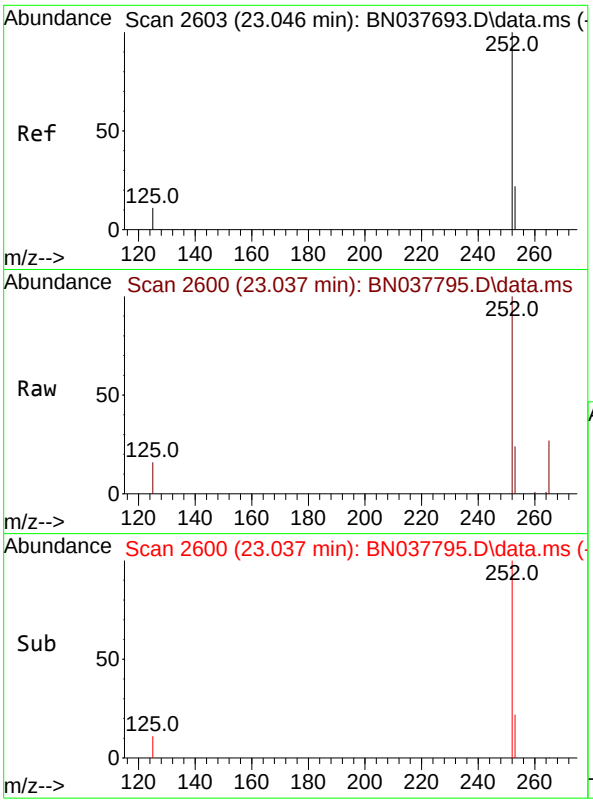


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.457 ng
RT: 26.124 min Scan# 3656
Delta R.T. -0.018 min
Lab File: BN037795.D
Acq: 19 Sep 2025 02:47

Tgt Ion:276 Resp: 22723

Ion	Ratio	Lower	Upper
276	100		
138	27.5	21.9	32.9
277	24.7	20.1	30.1



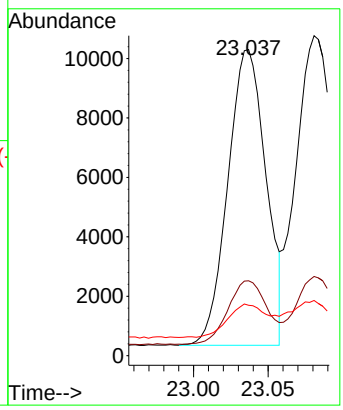


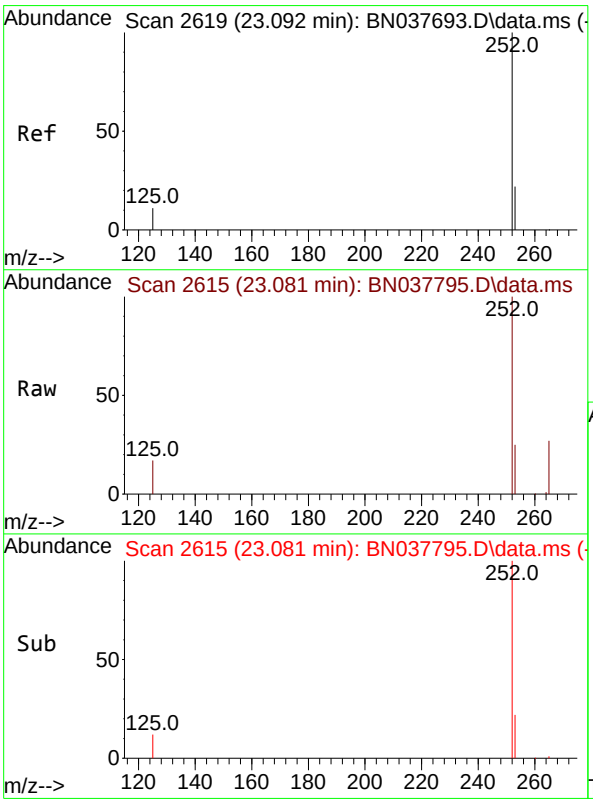
#37
Benzo(b)fluoranthene
Concen: 0.380 ng
RT: 23.037 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037795.D
Acq: 19 Sep 2025 02:47

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 17698

Ion	Ratio	Lower	Upper
252	100		
253	24.5	19.4	29.2
125	16.5	11.2	16.8

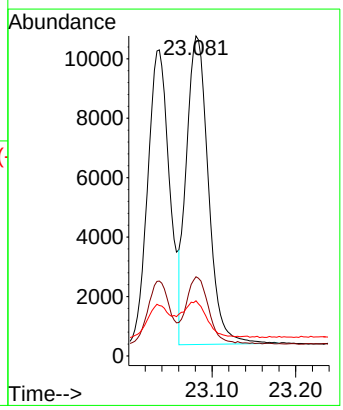


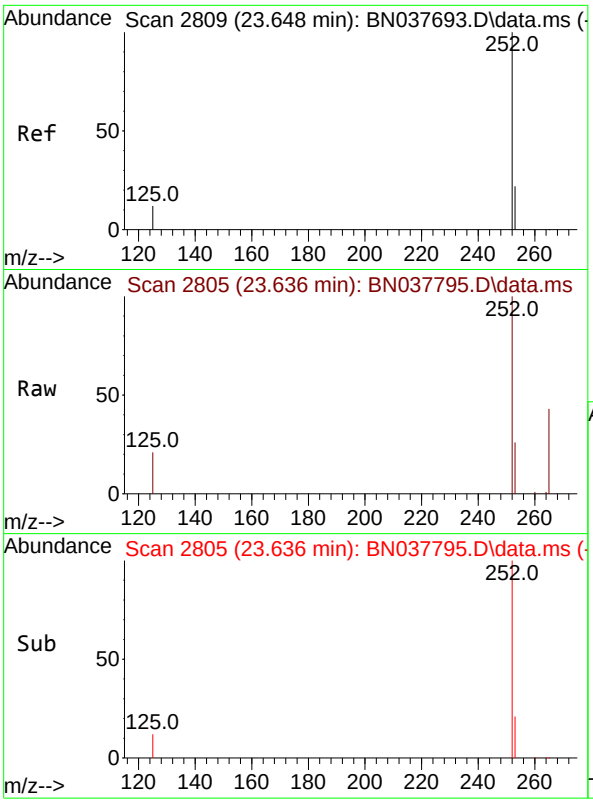


#38
Benzo(k)fluoranthene
Concen: 0.399 ng
RT: 23.081 min Scan# 2615
Delta R.T. -0.012 min
Lab File: BN037795.D
Acq: 19 Sep 2025 02:47

Tgt Ion:252 Resp: 18956

Ion	Ratio	Lower	Upper
252	100		
253	24.7	19.4	29.0
125	17.3	11.6	17.4



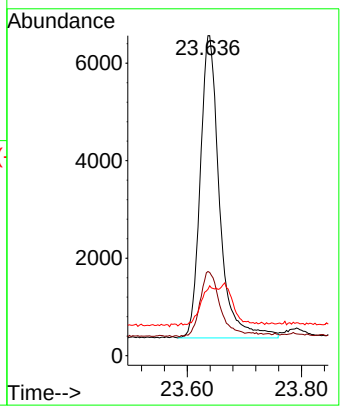


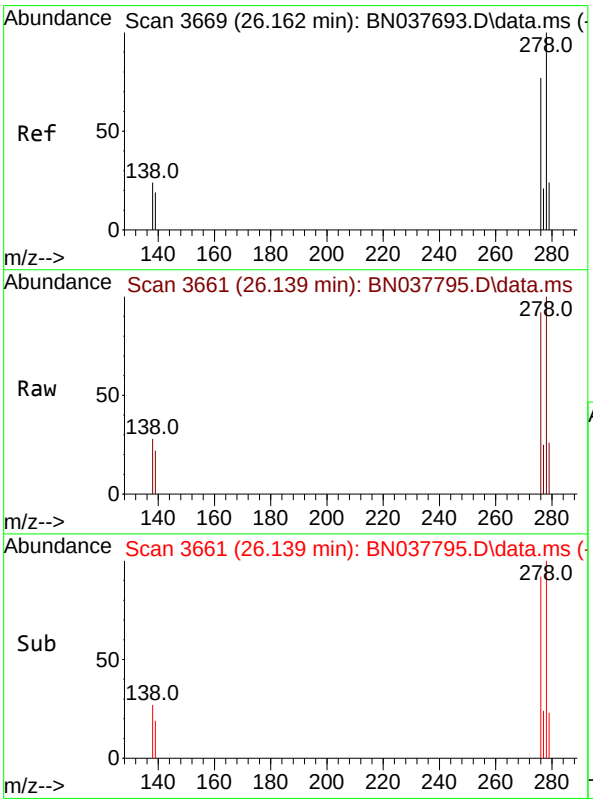
#39
Benzo(a)pyrene
Concen: 0.388 ng
RT: 23.636 min Scan# 2
Delta R.T. -0.012 min
Lab File: BN037795.D
Acq: 19 Sep 2025 02:47

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 14490

Ion	Ratio	Lower	Upper
252	100		
253	26.3	20.8	31.2
125	20.7	13.9	20.9

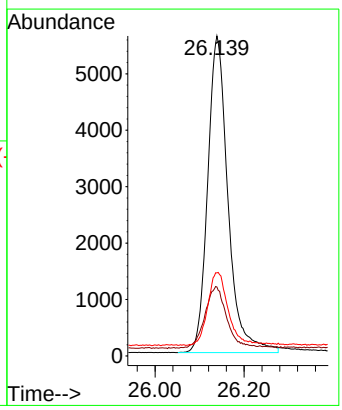


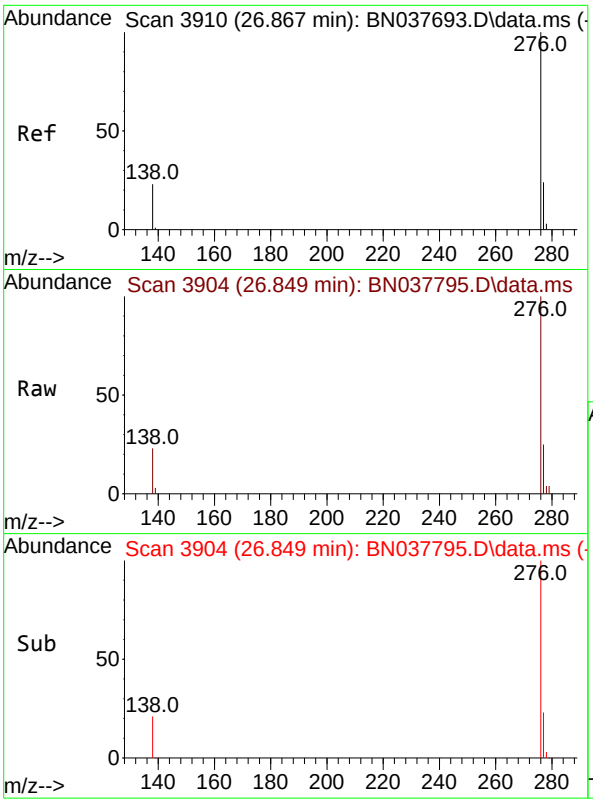


#40
Dibenzo(a,h)anthracene
Concen: 0.448 ng
RT: 26.139 min Scan# 3661
Delta R.T. -0.023 min
Lab File: BN037795.D
Acq: 19 Sep 2025 02:47

Tgt Ion:278 Resp: 17796

Ion	Ratio	Lower	Upper
278	100		
139	21.5	17.8	26.6
279	26.0	22.0	33.0



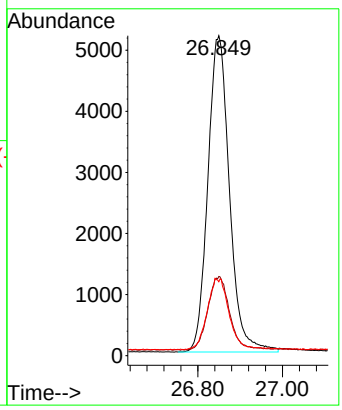


#41
Benzo(g,h,i)perylene
Concen: 0.412 ng
RT: 26.849 min Scan# 3
Delta R.T. -0.018 min
Lab File: BN037795.D
Acq: 19 Sep 2025 02:47

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 18357

Ion	Ratio	Lower	Upper
276	100		
277	24.8	20.6	31.0
138	23.1	20.2	30.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091825\
Data File : BN037795.D
Acq On : 19 Sep 2025 02:47
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Quant Time: Sep 19 04:13:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	155#	0.00
2		1,4-Dioxane	0.417	0.391	6.2	143	0.00
3		n-Nitrosodimethylamine	0.544	0.497	8.6	136	0.00
4	S	2-Fluorophenol	0.918	0.830	9.6	144	0.00
5	S	Phenol-d6	1.191	1.152	3.3	154#	0.00
6		bis(2-Chloroethyl)ether	1.064	1.072	-0.8	155#	0.00
7	I	Naphthalene-d8	1.000	1.000	0.0	146	-0.01
8	S	Nitrobenzene-d5	0.293	0.308	-5.1	158#	-0.01
9		Naphthalene	1.093	1.065	2.6	145	-0.01
10		Hexachlorobutadiene	0.198	0.196	1.0	145	-0.01
11	SURR	2-Methylnaphthalene-d10	0.530	0.490	7.5	144	-0.02
12		2-Methylnaphthalene	0.676	0.647	4.3	144	-0.01
13	I	Acenaphthene-d10	1.000	1.000	0.0	139	-0.01
14	S	2,4,6-Tribromophenol	0.104	0.120	-15.4	165#	-0.01
15	S	2-Fluorobiphenyl	1.673	1.696	-1.4	143	-0.01
16		Acenaphthylene	1.834	1.738	5.2	135	0.00
17		Acenaphthene	1.240	1.205	2.8	138	-0.01
18		Fluorene	1.502	1.387	7.7	134	0.00
19	I	Phenanthrene-d10	1.000	1.000	0.0	128	0.00
20		4,6-Dinitro-2-methylphenol	0.037	0.030	18.9	116	-0.01
21		4-Bromophenyl-phenylether	0.261	0.259	0.8	132	-0.01
22		Hexachlorobenzene	0.300	0.326	-8.7	142	-0.01
23		Atrazine	0.166	0.153	7.8	129	-0.01
24		Pentachlorophenol	0.087	0.098	-12.6	169#	0.00
25		Phenanthrene	1.259	1.218	3.3	127	-0.01
26		Anthracene	1.116	1.042	6.6	124	-0.01
27	SURR	Fluoranthene-d10	1.004	0.858	14.5	117	0.00
28		Fluoranthene	1.381	1.219	11.7	119	0.00
29	I	Chrysene-d12	1.000	1.000	0.0	119	0.00
30		Pyrene	1.566	1.562	0.3	120	0.00
31	S	Terphenyl-d14	0.812	0.771	5.0	115	0.00
32		Benzo(a)anthracene	1.395	1.328	4.8	118	0.00
33		Chrysene	1.496	1.501	-0.3	120	0.00
34		Bis(2-ethylhexyl)phthalate	0.414	0.443	-7.0	141	-0.02
35	I	Perylene-d12	1.000	1.000	0.0	132	-0.01
36		Indeno(1,2,3-cd)pyrene	1.681	1.919	-14.2	164#	-0.02
37		Benzo(b)fluoranthene	1.575	1.495	5.1	127	0.00
38		Benzo(k)fluoranthene	1.606	1.601	0.3	139	-0.01
39	C	Benzo(a)pyrene	1.261	1.224	2.9	135	-0.01
40		Dibenzo(a,h)anthracene	1.342	1.503	-12.0	164#	-0.02
41		Benzo(g,h,i)perylene	1.506	1.550	-2.9	141	-0.02

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091825\
Data File : BN037795.D
Acq On : 19 Sep 2025 02:47
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Quant Time: Sep 19 04:13:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	0.400	0.400	0.0	155	0.00
2		1,4-Dioxane	0.400	0.376	6.0	143	0.00
3		n-Nitrosodimethylamine	0.400	0.365	8.8	136	0.00
4	S	2-Fluorophenol	0.400	0.362	9.5	144	0.00
5	S	Phenol-d6	0.400	0.387	3.3	154	0.00
6		bis(2-Chloroethyl)ether	0.400	0.403	-0.8	155	0.00
7	I	Naphthalene-d8	0.400	0.400	0.0	146	-0.01
8	S	Nitrobenzene-d5	0.400	0.421	-5.2	158	-0.01
9		Naphthalene	0.400	0.390	2.5	145	-0.01
10		Hexachlorobutadiene	0.400	0.396	1.0	145	-0.01
11	SURR	2-Methylnaphthalene-d10	0.400	0.370	7.5	144	-0.02
12		2-Methylnaphthalene	0.400	0.383	4.3	144	-0.01
13	I	Acenaphthene-d10	0.400	0.400	0.0	139	-0.01
14	S	2,4,6-Tribromophenol	0.400	0.460	-15.0	165	-0.01
15	S	2-Fluorobiphenyl	0.400	0.406	-1.5	143	-0.01
16		Acenaphthylene	0.400	0.379	5.3	135	0.00
17		Acenaphthene	0.400	0.389	2.8	138	-0.01
18		Fluorene	0.400	0.369	7.8	134	0.00
19	I	Phenanthrene-d10	0.400	0.400	0.0	128	0.00
20		4,6-Dinitro-2-methylphenol	0.400	0.323	19.3	116	-0.01
21		4-Bromophenyl-phenylether	0.400	0.397	0.8	132	-0.01
22		Hexachlorobenzene	0.400	0.435	-8.7	142	-0.01
23		Atrazine	0.400	0.368	8.0	129	-0.01
24		Pentachlorophenol	0.400	0.452	-13.0	169	0.00
25		Phenanthrene	0.400	0.387	3.3	127	-0.01
26		Anthracene	0.400	0.374	6.5	124	-0.01
27	SURR	Fluoranthene-d10	0.400	0.342	14.5	117	0.00
28		Fluoranthene	0.400	0.353	11.8	119	0.00
29	I	Chrysene-d12	0.400	0.400	0.0	119	0.00
30		Pyrene	0.400	0.399	0.3	120	0.00
31	S	Terphenyl-d14	0.400	0.380	5.0	115	0.00
32		Benzo(a)anthracene	0.400	0.381	4.8	118	0.00
33		Chrysene	0.400	0.401	-0.3	120	0.00
34		Bis(2-ethylhexyl)phthalate	0.400	0.428	-7.0	141	-0.02
35	I	Perylene-d12	0.400	0.400	0.0	132	-0.01
36		Indeno(1,2,3-cd)pyrene	0.400	0.457	-14.2	164	-0.02
37		Benzo(b)fluoranthene	0.400	0.380	5.0	127	0.00
38		Benzo(k)fluoranthene	0.400	0.399	0.3	139	-0.01
39	C	Benzo(a)pyrene	0.400	0.388	3.0	135	-0.01
40		Dibenzo(a,h)anthracene	0.400	0.448	-12.0	164	-0.02
41		Benzo(g,h,i)perylene	0.400	0.412	-3.0	141	-0.02

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

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO15

Lab Code: ACE SDG No.: Q3095

Instrument ID: BNA_N Calibration Date/Time: 09/19/2025 13:03

Lab File ID: BN037811.D Init. Calib. Date(s): 09/11/2025 09/11/2025

EPA Sample No.: SSTDCCC0.4EC Init. Calib. Time(s): 09:56 13:33

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.530	0.497		-6.2	50.0
Fluoranthene-d10	1.004	0.957		-4.7	50.0
2-Fluorophenol	0.918	1.044		13.7	50.0
Phenol-d6	1.191	1.176		-1.3	50.0
Nitrobenzene-d5	0.293	0.292		-0.3	50.0
2-Fluorobiphenyl	1.673	1.615		-3.5	50.0
2,4,6-Tribromophenol	0.104	0.131		26.0	50.0
Terphenyl-d14	0.812	0.765		-5.8	50.0
1,4-Dioxane	0.417	0.424		1.7	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\BN091825\
Data File : BN037811.D
Acq On : 19 Sep 2025 13:03
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Quant Time: Sep 19 13:27:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

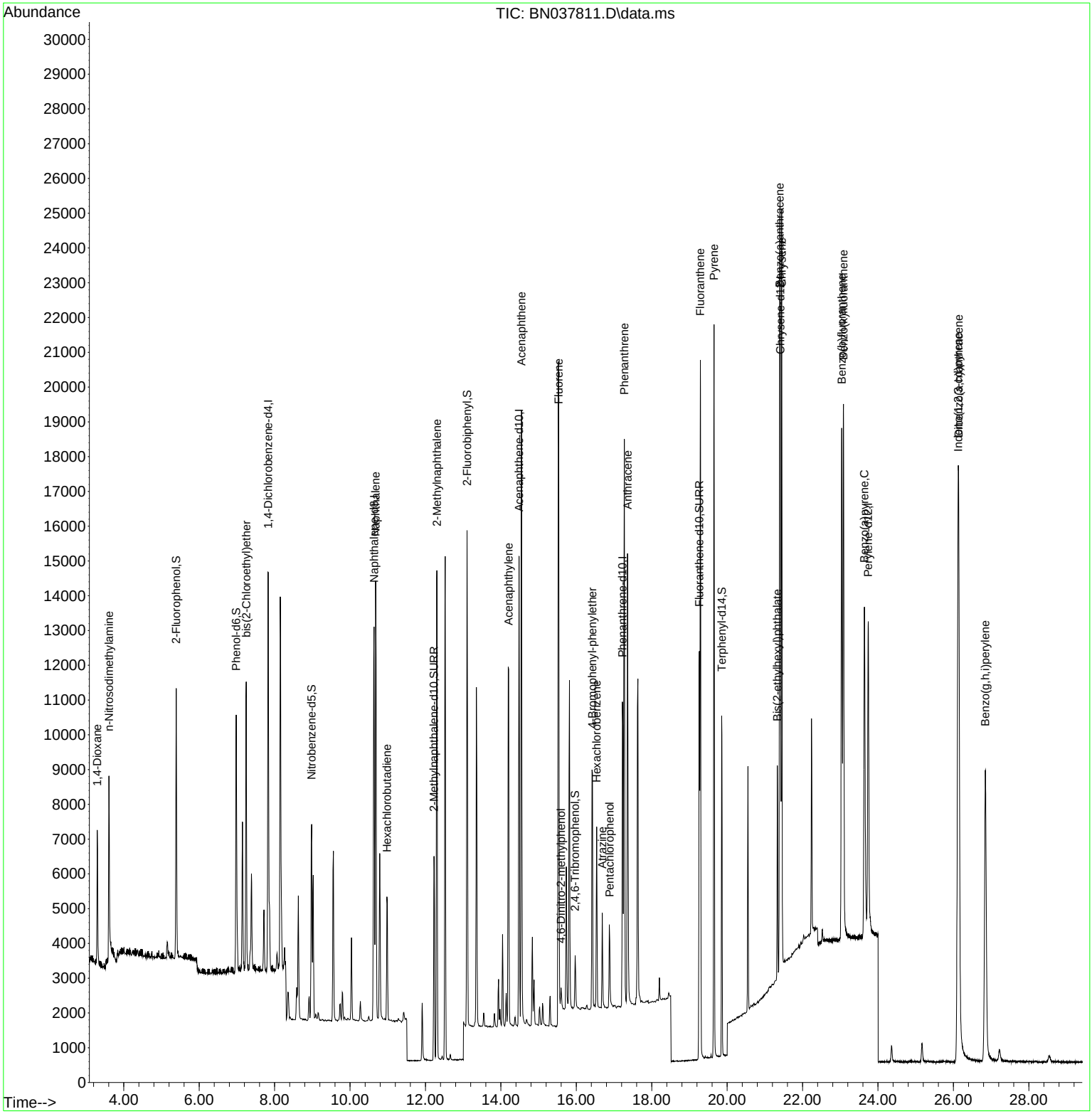
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.833	152	5811	0.400	ng		0.00
7) Naphthalene-d8	10.637	136	15706	0.400	ng		#-0.01
13) Acenaphthene-d10	14.484	164	7363	0.400	ng		-0.01
19) Phenanthrene-d10	17.223	188	13521	0.400	ng		-0.01
29) Chrysene-d12	21.411	240	12361	0.400	ng		0.00
35) Perylene-d12	23.741	264	12915	0.400	ng		#-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.392	112	6068	0.455	ng		0.00
5) Phenol-d6	6.980	99	6833	0.395	ng		0.00
8) Nitrobenzene-d5	8.982	82	4585	0.399	ng		-0.01
11) 2-Methylnaphthalene-d10	12.227	152	7805	0.375	ng		-0.02
14) 2,4,6-Tribromophenol	15.969	330	963	0.501	ng		-0.01
15) 2-Fluorobiphenyl	13.105	172	11890	0.386	ng		-0.01
27) Fluoranthene-d10	19.262	212	12937	0.381	ng		0.00
31) Terphenyl-d14	19.856	244	9455	0.377	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.297	88	2462	0.407	ng		95
3) n-Nitrosodimethylamine	3.608	42	3283	0.415	ng		93
6) bis(2-Chloroethyl)ether	7.248	93	6036	0.391	ng		99
9) Naphthalene	10.680	128	16766	0.391	ng		100
10) Hexachlorobutadiene	10.979	225	3007	0.387	ng	#	100
12) 2-Methylnaphthalene	12.303	142	10188	0.384	ng		99
16) Acenaphthylene	14.206	152	12502	0.370	ng		99
17) Acenaphthene	14.548	154	8660	0.379	ng		98
18) Fluorene	15.535	166	10559	0.382	ng		99
20) 4,6-Dinitro-2-methylph...	15.597	198	416	0.332	ng	#	84
21) 4-Bromophenyl-phenylether	16.429	248	3252	0.369	ng		97
22) Hexachlorobenzene	16.540	284	4063	0.401	ng		99
23) Atrazine	16.689	200	2102	0.375	ng		95
24) Pentachlorophenol	16.888	266	1388	0.471	ng		93
25) Phenanthrene	17.273	178	16630	0.391	ng		100
26) Anthracene	17.359	178	14242	0.378	ng		100
28) Fluoranthene	19.290	202	18266	0.391	ng		100
30) Pyrene	19.652	202	18234	0.377	ng		100
32) Benzo(a)anthracene	21.393	228	16344	0.379	ng		100
33) Chrysene	21.447	228	18321	0.396	ng		99
34) Bis(2-ethylhexyl)phtha...	21.331	149	5701	0.446	ng		99
36) Indeno(1,2,3-cd)pyrene	26.124	276	24237	0.447	ng		100
37) Benzo(b)fluoranthene	23.037	252	19797	0.389	ng		98
38) Benzo(k)fluoranthene	23.084	252	20862	0.402	ng		99
39) Benzo(a)pyrene	23.639	252	15816	0.388	ng		97
40) Dibenzo(a,h)anthracene	26.139	278	18950	0.437	ng		97
41) Benzo(g,h,i)perylene	26.846	276	18988	0.391	ng		97

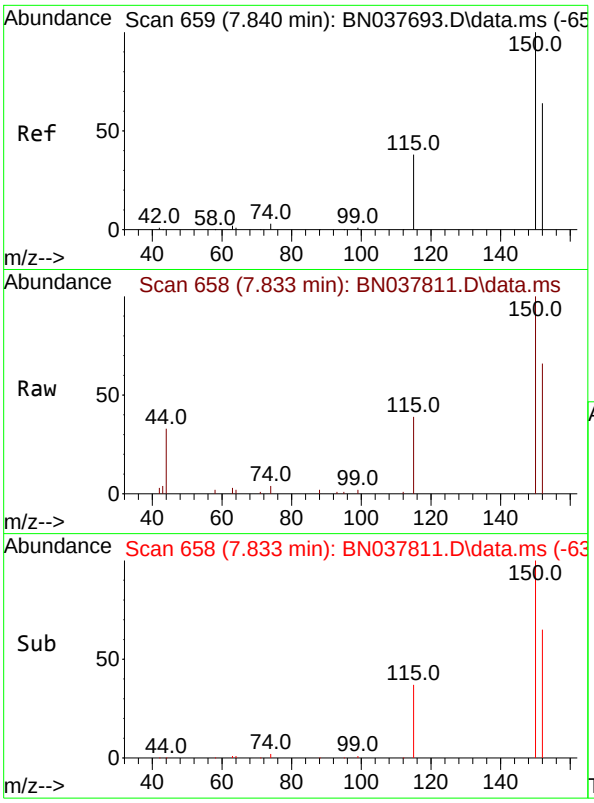
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091825\
Data File : BN037811.D
Acq On : 19 Sep 2025 13:03
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Quant Time: Sep 19 13:27:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration



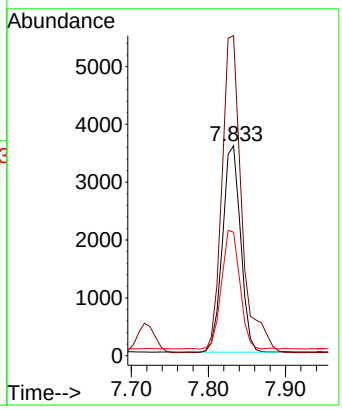


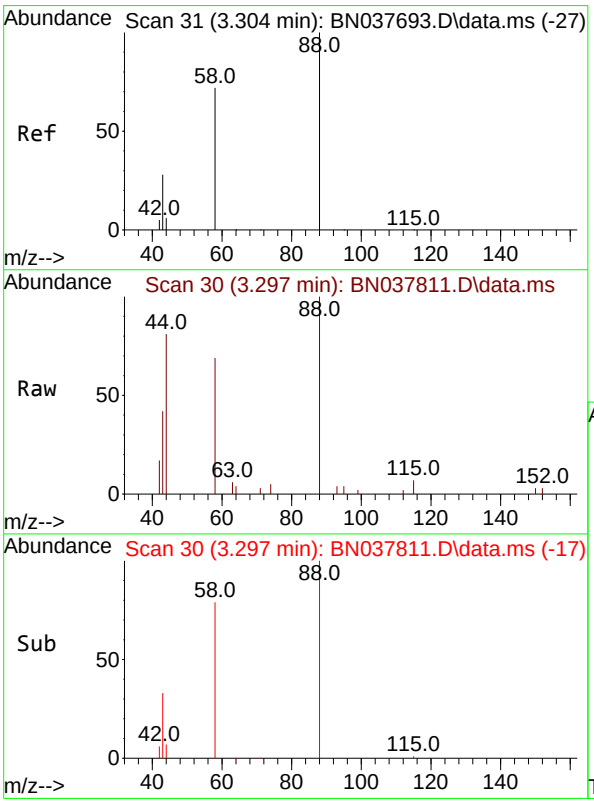
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.833 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN037811.D
Acq: 19 Sep 2025 13:03

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 5811

Ion	Ratio	Lower	Upper
152	100		
150	152.5	124.5	186.7
115	58.8	49.2	73.8

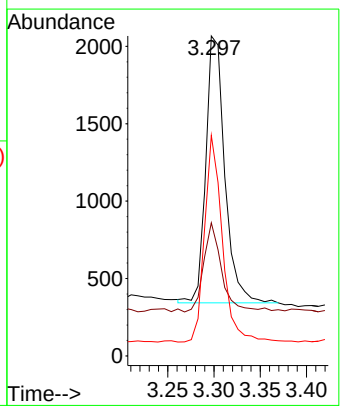


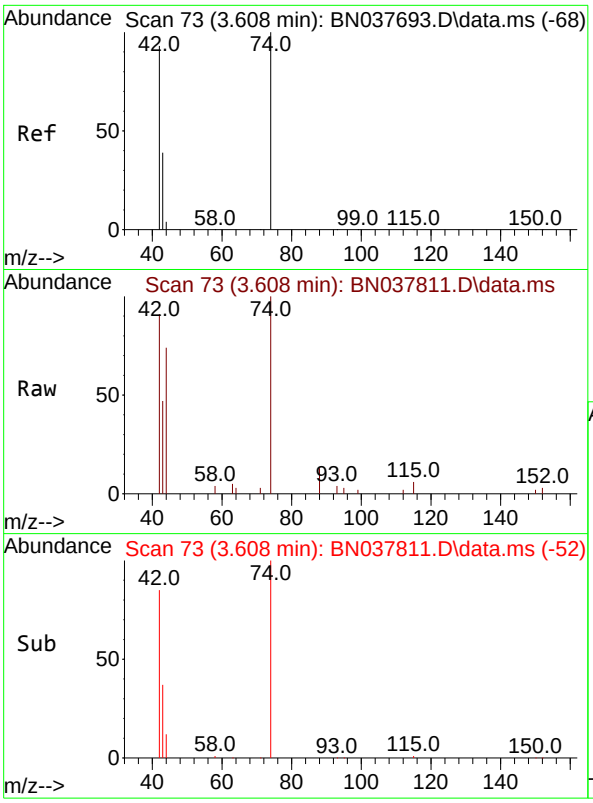


#2
1,4-Dioxane
Concen: 0.407 ng
RT: 3.297 min Scan# 30
Delta R.T. -0.007 min
Lab File: BN037811.D
Acq: 19 Sep 2025 13:03

Tgt Ion: 88 Resp: 2462

Ion	Ratio	Lower	Upper
88	100		
43	32.0	26.8	40.2
58	72.4	61.9	92.9



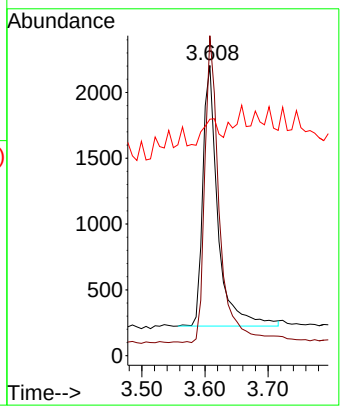


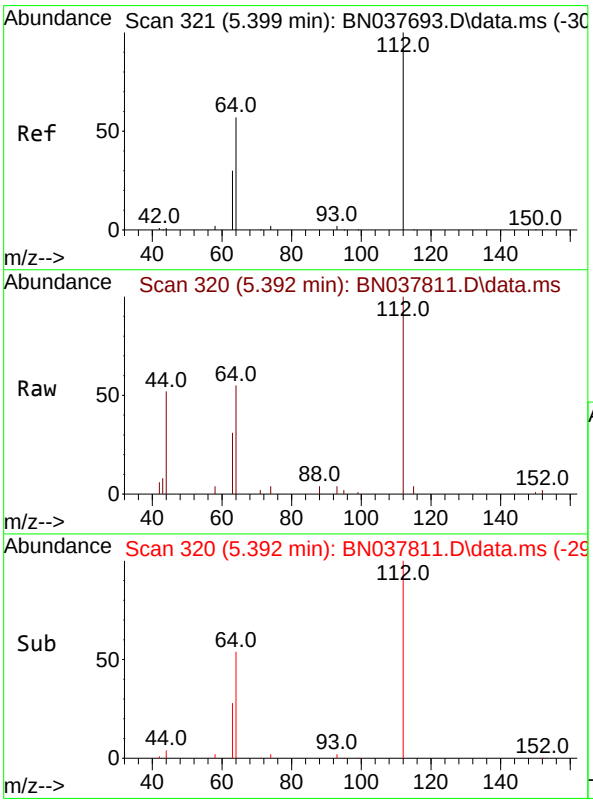
#3
n-Nitrosodimethylamine
Concen: 0.415 ng
RT: 3.608 min Scan# 7
Delta R.T. -0.000 min
Lab File: BN037811.D
Acq: 19 Sep 2025 13:03

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 42 Resp: 3283

Ion	Ratio	Lower	Upper
42	100		
74	115.6	86.0	129.0
44	10.4	8.4	12.6

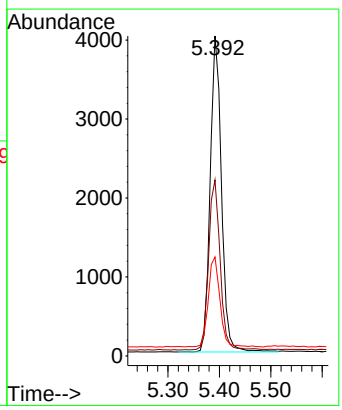


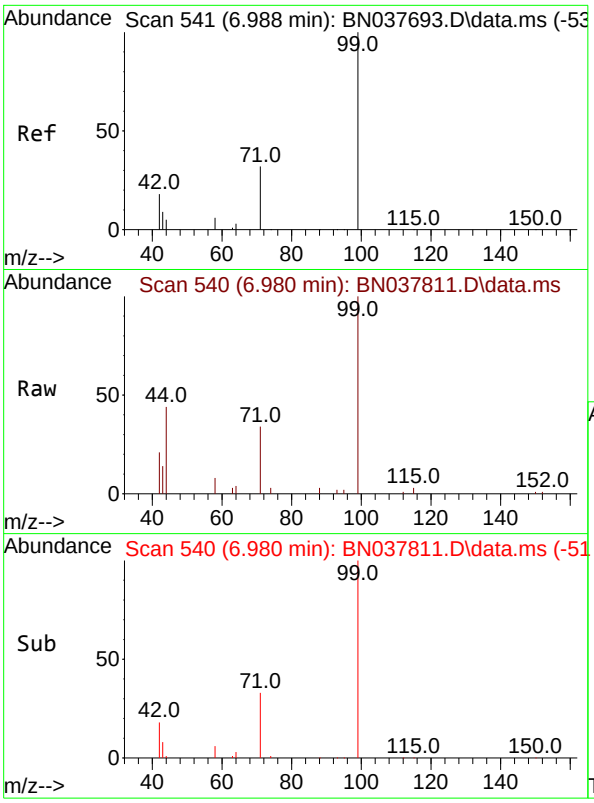


#4
2-Fluorophenol
Concen: 0.455 ng
RT: 5.392 min Scan# 320
Delta R.T. -0.007 min
Lab File: BN037811.D
Acq: 19 Sep 2025 13:03

Tgt Ion:112 Resp: 6068

Ion	Ratio	Lower	Upper
112	100		
64	54.8	44.9	67.3
63	29.3	24.7	37.1



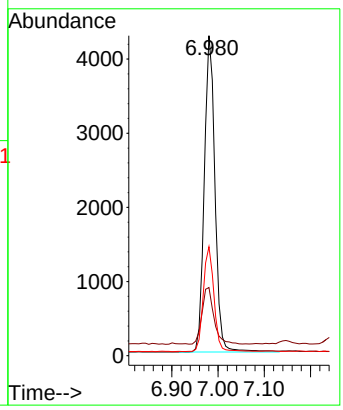


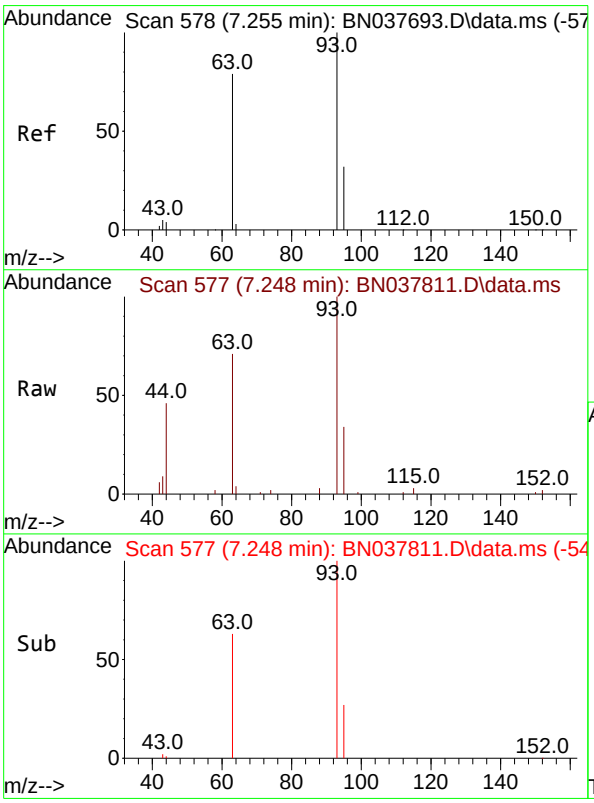
#5
Phenol-d6
Concen: 0.395 ng
RT: 6.980 min Scan# 54
Delta R.T. -0.007 min
Lab File: BN037811.D
Acq: 19 Sep 2025 13:03

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 99 Resp: 6833

Ion	Ratio	Lower	Upper
99	100		
42	20.0	16.6	24.8
71	33.2	26.7	40.1

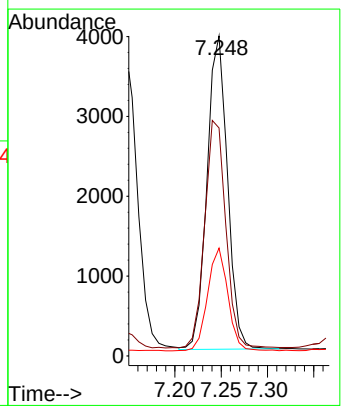


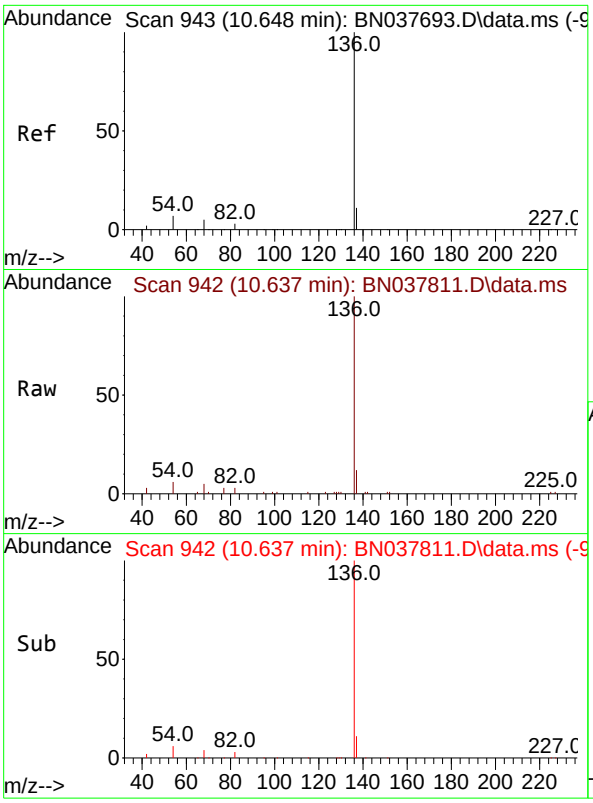


#6
bis(2-Chloroethyl)ether
Concen: 0.391 ng
RT: 7.248 min Scan# 577
Delta R.T. -0.007 min
Lab File: BN037811.D
Acq: 19 Sep 2025 13:03

Tgt Ion: 93 Resp: 6036

Ion	Ratio	Lower	Upper
93	100		
63	75.0	60.6	90.8
95	32.6	26.0	39.0



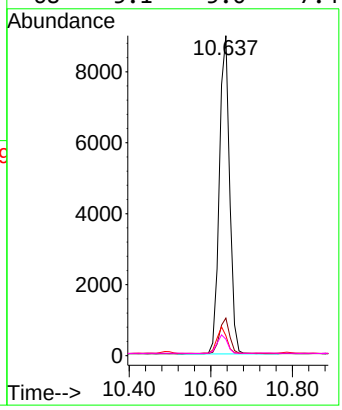


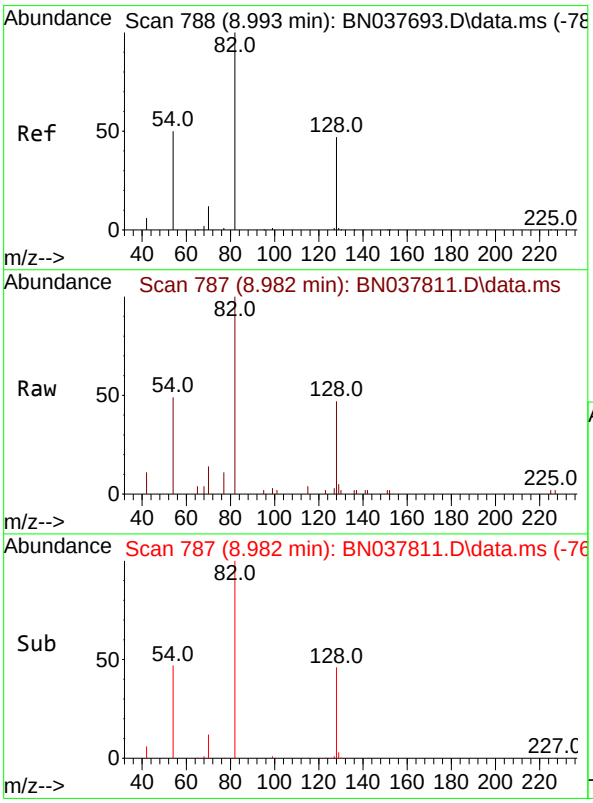
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.637 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037811.D
Acq: 19 Sep 2025 13:03

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:136 Resp: 15706

Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.1	13.7
54	6.3	6.3	9.5#
68	5.1	5.0	7.4

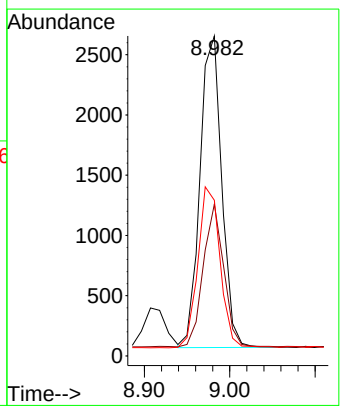


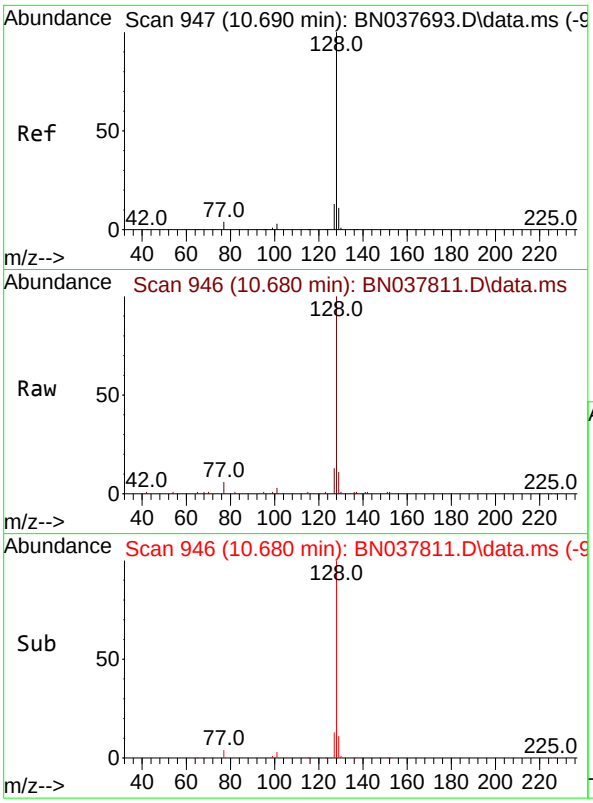


#8
Nitrobenzene-d5
Concen: 0.399 ng
RT: 8.982 min Scan# 787
Delta R.T. -0.011 min
Lab File: BN037811.D
Acq: 19 Sep 2025 13:03

Tgt Ion: 82 Resp: 4585

Ion	Ratio	Lower	Upper
82	100		
128	47.4	38.3	57.5
54	48.6	41.4	62.2



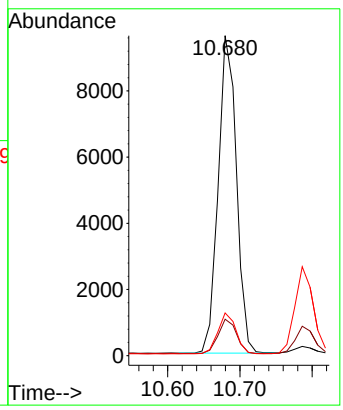


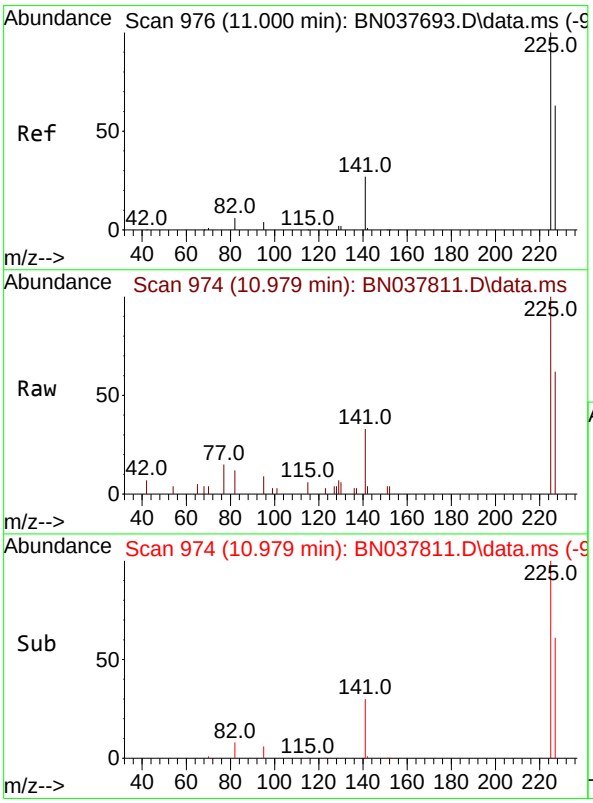
#9
Naphthalene
Concen: 0.391 ng
RT: 10.680 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037811.D
Acq: 19 Sep 2025 13:03

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:128 Resp: 16766

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.1	13.7
127	13.4	10.9	16.3

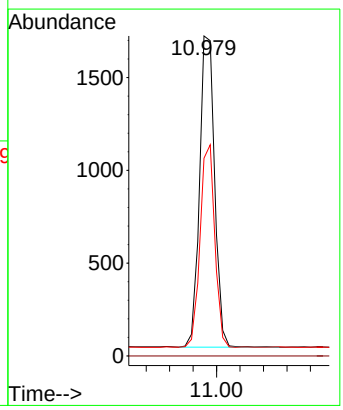


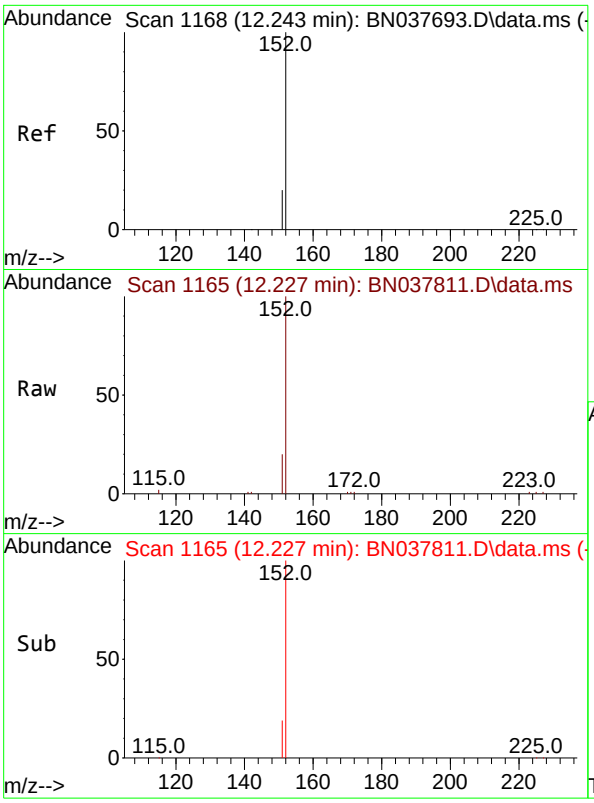


#10
Hexachlorobutadiene
Concen: 0.387 ng
RT: 10.979 min Scan# 974
Delta R.T. -0.021 min
Lab File: BN037811.D
Acq: 19 Sep 2025 13:03

Tgt Ion:225 Resp: 3007

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.4	50.9	76.3



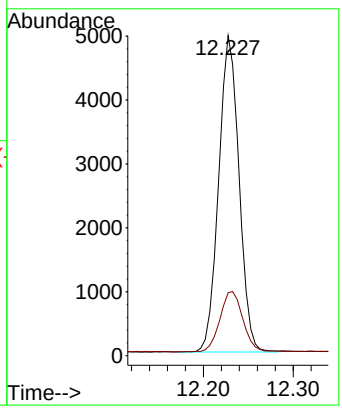


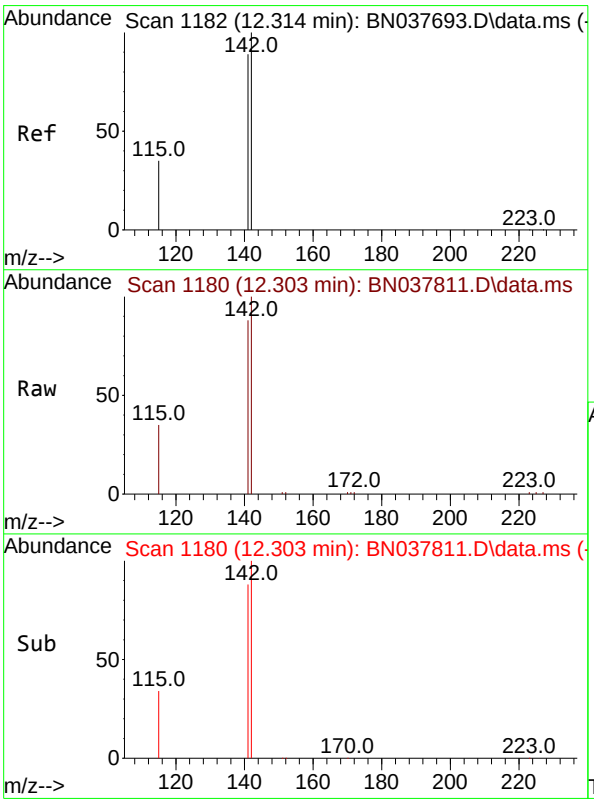
#11
2-Methylnaphthalene-d10
Concen: 0.375 ng
RT: 12.227 min Scan# 11
Delta R.T. -0.015 min
Lab File: BN037811.D
Acq: 19 Sep 2025 13:03

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 7805

Ion	Ratio	Lower	Upper
152	100		
151	21.7	17.0	25.6

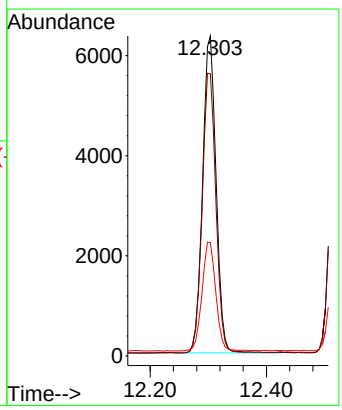


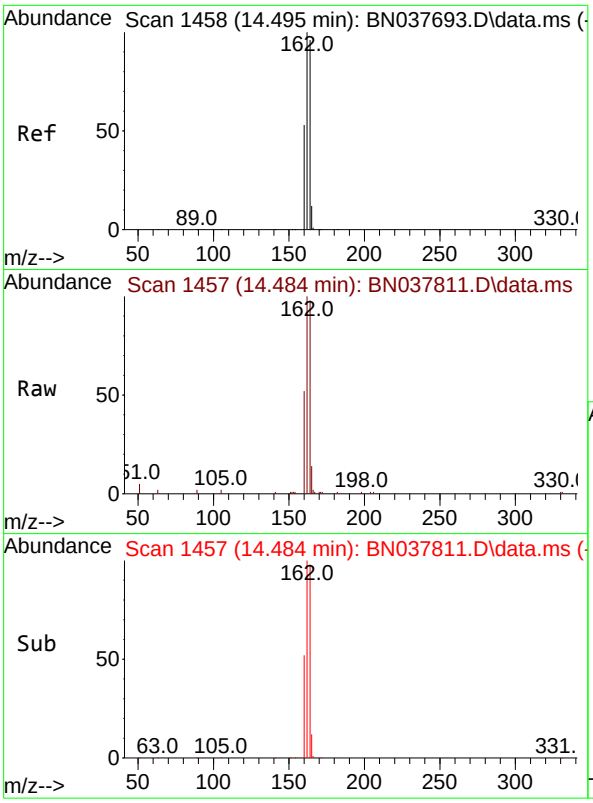


#12
2-Methylnaphthalene
Concen: 0.384 ng
RT: 12.303 min Scan# 1180
Delta R.T. -0.010 min
Lab File: BN037811.D
Acq: 19 Sep 2025 13:03

Tgt Ion:142 Resp: 10188

Ion	Ratio	Lower	Upper
142	100		
141	88.2	71.6	107.4
115	35.5	28.6	43.0



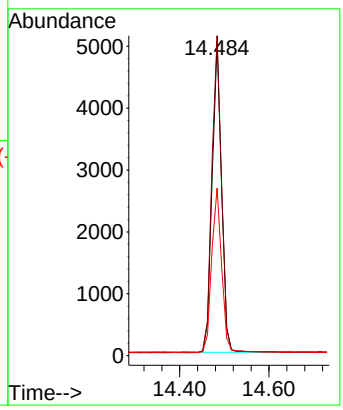


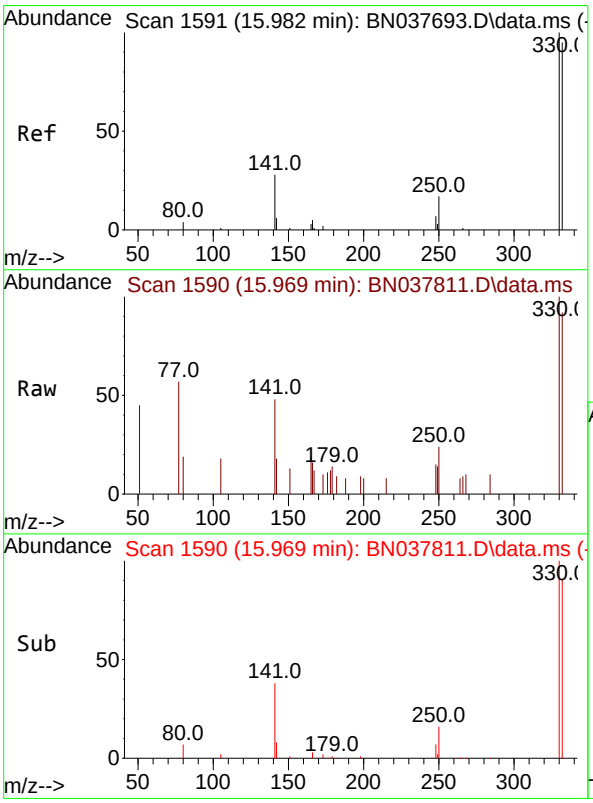
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.484 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN037811.D
Acq: 19 Sep 2025 13:03

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:164 Resp: 7363

Ion	Ratio	Lower	Upper
164	100		
162	101.9	83.1	124.7
160	53.4	44.3	66.5

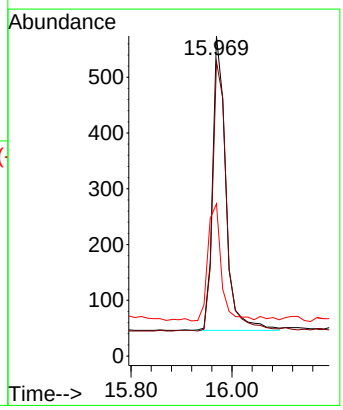


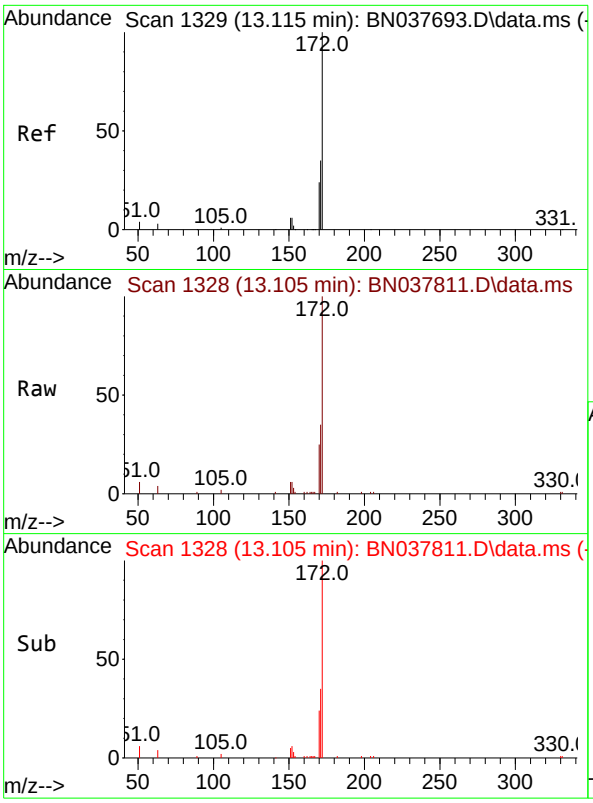


#14
2,4,6-Tribromophenol
Concen: 0.501 ng
RT: 15.969 min Scan# 1590
Delta R.T. -0.013 min
Lab File: BN037811.D
Acq: 19 Sep 2025 13:03

Tgt Ion:330 Resp: 963

Ion	Ratio	Lower	Upper
330	100		
332	96.7	75.3	112.9
141	40.4	35.0	52.4



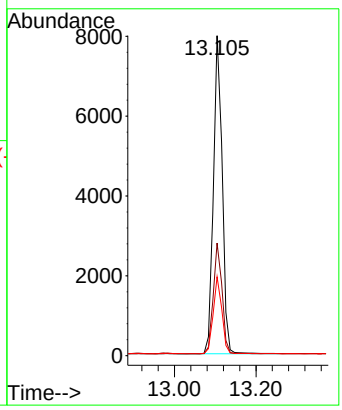


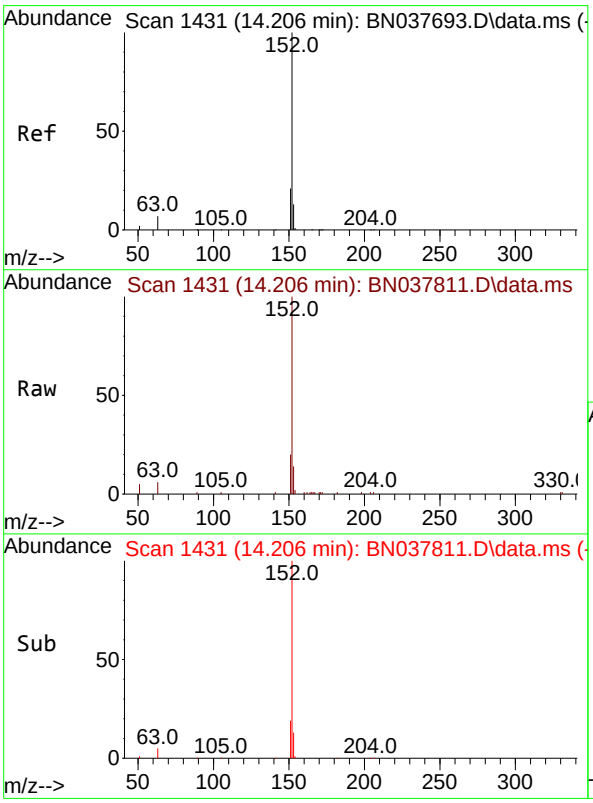
#15
2-Fluorobiphenyl
Concen: 0.386 ng
RT: 13.105 min Scan# 1
Delta R.T. -0.011 min
Lab File: BN037811.D
Acq: 19 Sep 2025 13:03

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:172 Resp: 11890

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.6	43.0
170	24.6	19.8	29.8

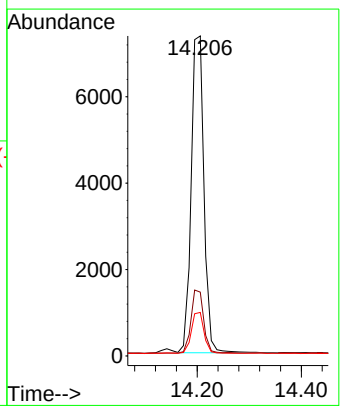


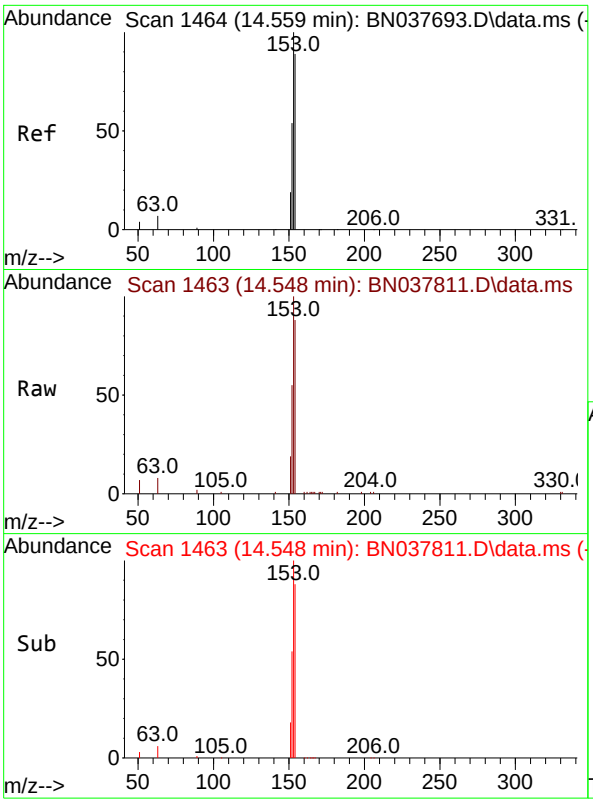


#16
Acenaphthylene
Concen: 0.370 ng
RT: 14.206 min Scan# 1431
Delta R.T. -0.000 min
Lab File: BN037811.D
Acq: 19 Sep 2025 13:03

Tgt Ion:152 Resp: 12502

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.2	24.2
153	13.3	10.4	15.6



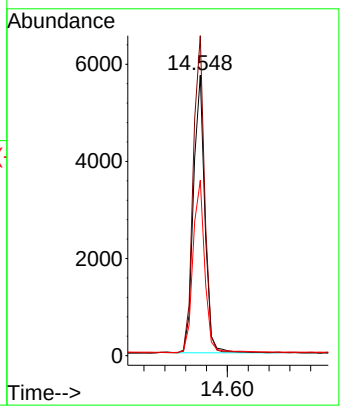


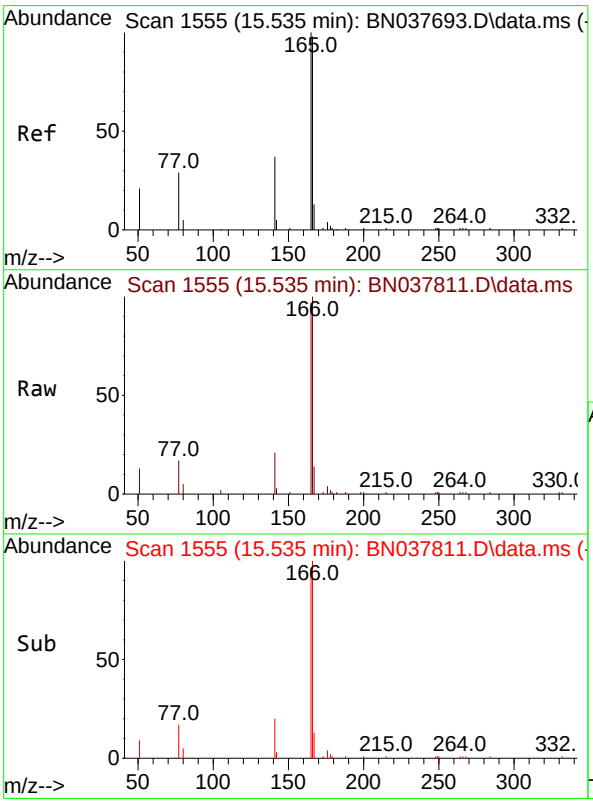
#17
Acenaphthene
Concen: 0.379 ng
RT: 14.548 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN037811.D
Acq: 19 Sep 2025 13:03

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:154 Resp: 8660

Ion	Ratio	Lower	Upper
154	100		
153	114.7	89.8	134.8
152	64.6	50.2	75.2

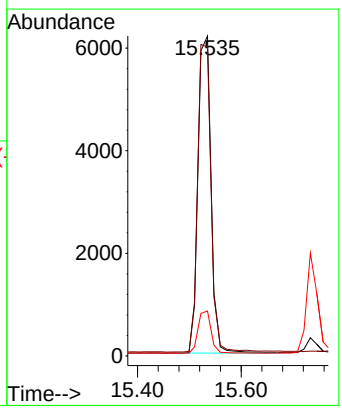


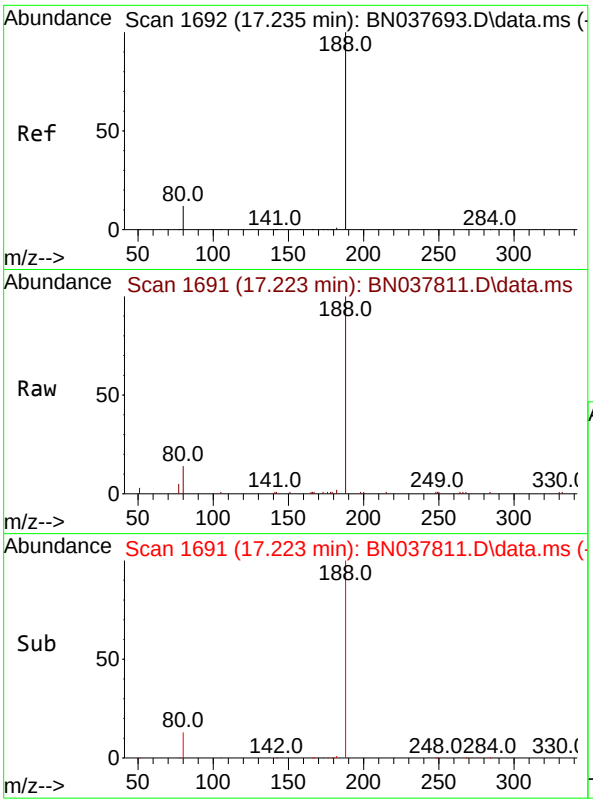


#18
Fluorene
Concen: 0.382 ng
RT: 15.535 min Scan# 1555
Delta R.T. -0.000 min
Lab File: BN037811.D
Acq: 19 Sep 2025 13:03

Tgt Ion:166 Resp: 10559

Ion	Ratio	Lower	Upper
166	100		
165	97.9	79.6	119.4
167	13.4	10.6	16.0



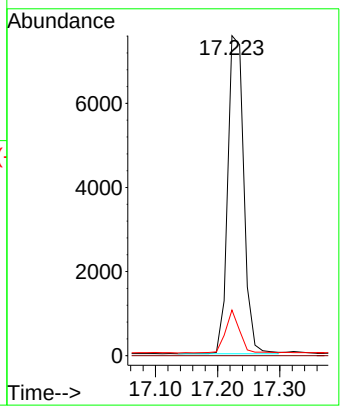


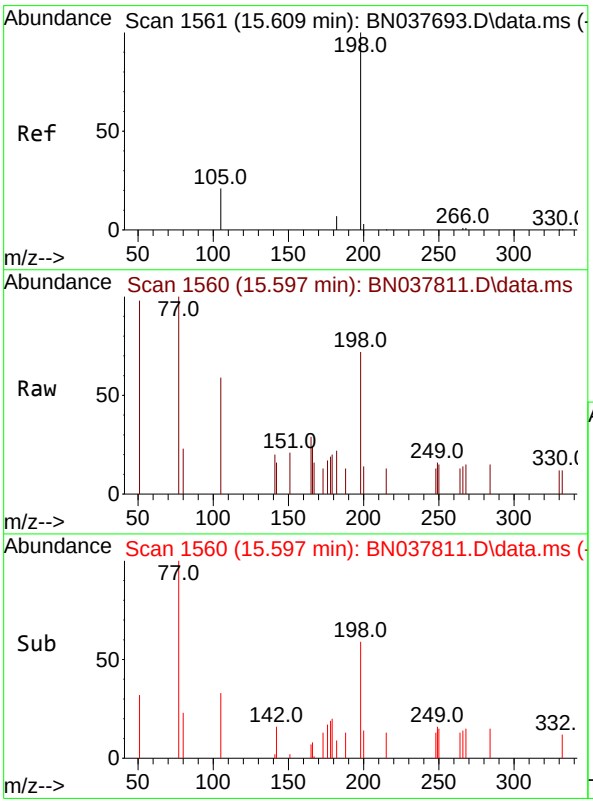
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.223 min Scan# 1
Delta R.T. -0.013 min
Lab File: BN037811.D
Acq: 19 Sep 2025 13:03

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:188 Resp: 13521

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	14.3	10.6	15.8

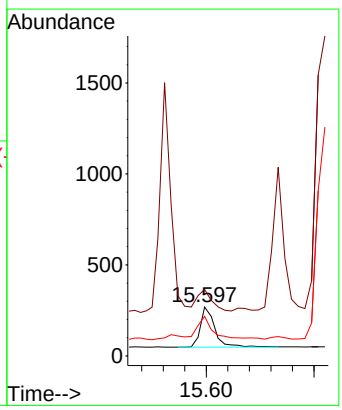


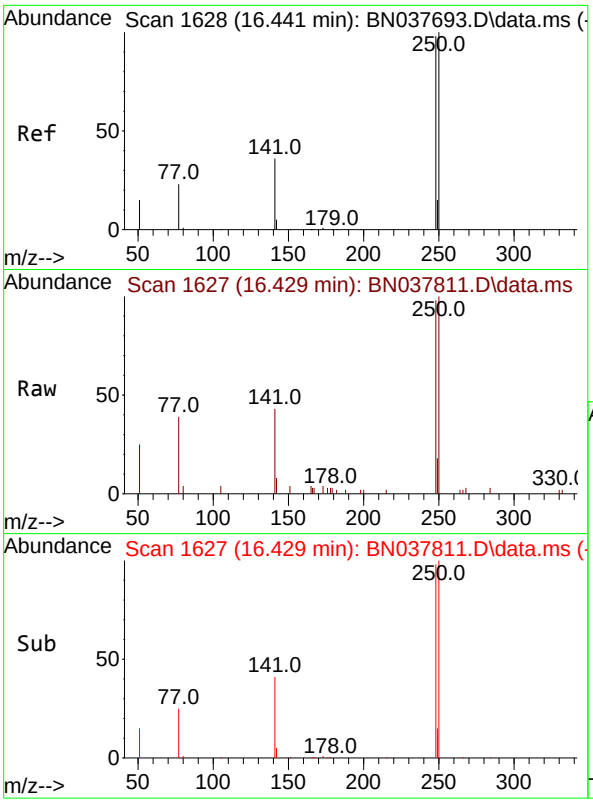


#20
4,6-Dinitro-2-methylphenol
Concen: 0.332 ng
RT: 15.597 min Scan# 1560
Delta R.T. -0.012 min
Lab File: BN037811.D
Acq: 19 Sep 2025 13:03

Tgt Ion:198 Resp: 416

Ion	Ratio	Lower	Upper
198	100		
51	135.7	95.1	142.7
105	81.0	53.8	80.6#



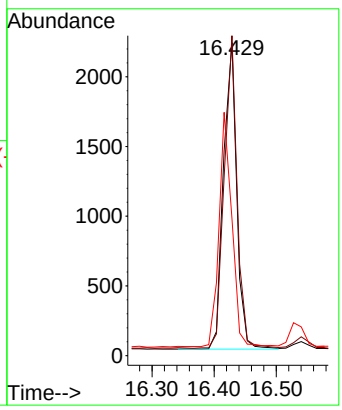


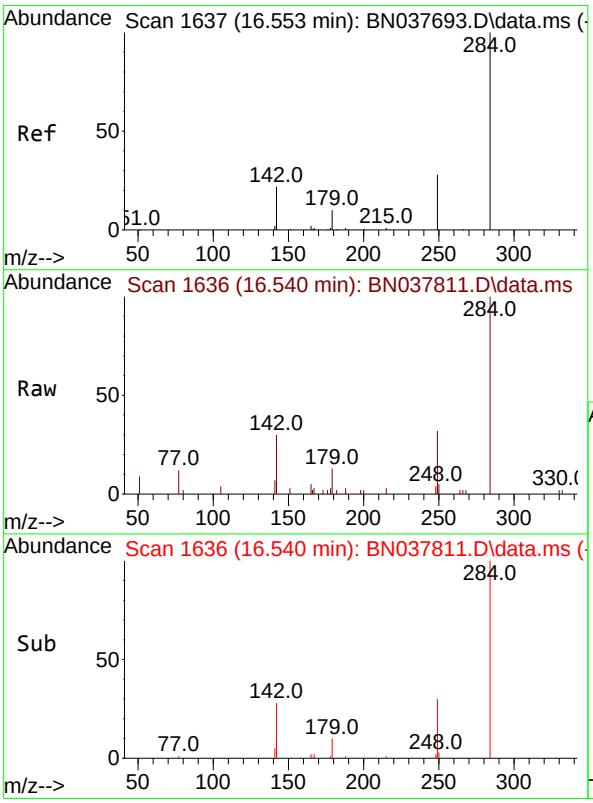
#21
4-Bromophenyl-phenylether
Concen: 0.369 ng
RT: 16.429 min Scan# 1
Delta R.T. -0.013 min
Lab File: BN037811.D
Acq: 19 Sep 2025 13:03

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:248 Resp: 3252

Ion	Ratio	Lower	Upper
248	100		
250	102.2	81.5	122.3
141	43.8	30.8	46.2

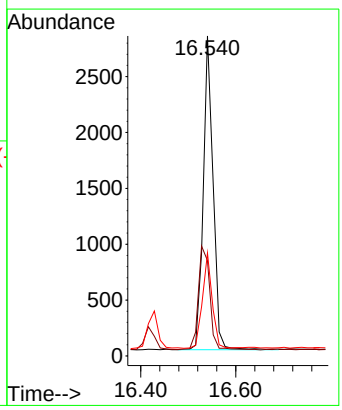


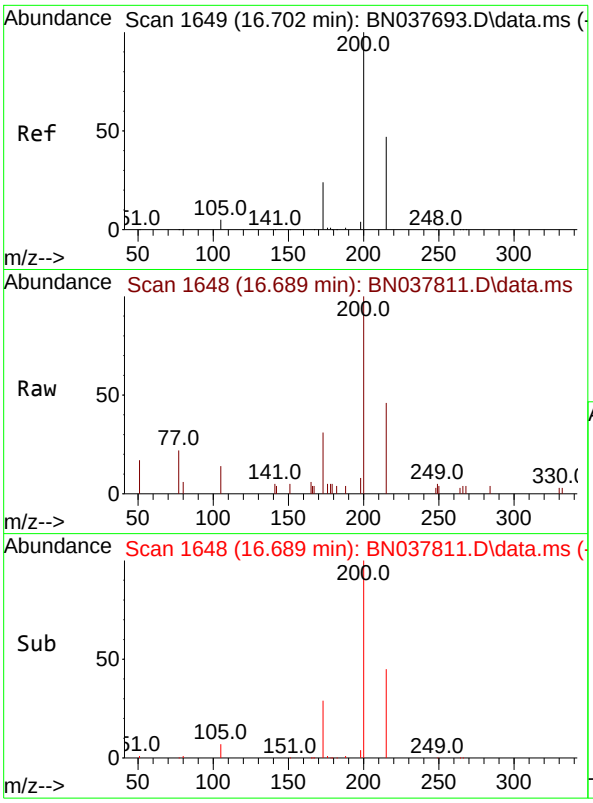


#22
Hexachlorobenzene
Concen: 0.401 ng
RT: 16.540 min Scan# 1636
Delta R.T. -0.013 min
Lab File: BN037811.D
Acq: 19 Sep 2025 13:03

Tgt Ion:284 Resp: 4063

Ion	Ratio	Lower	Upper
284	100		
142	38.3	30.9	46.3
249	30.0	24.8	37.2



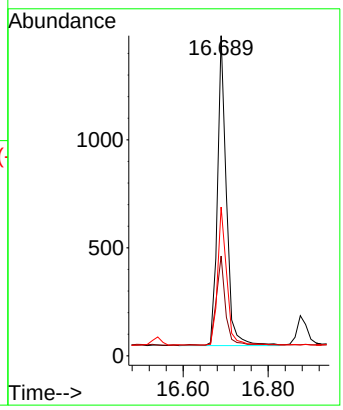


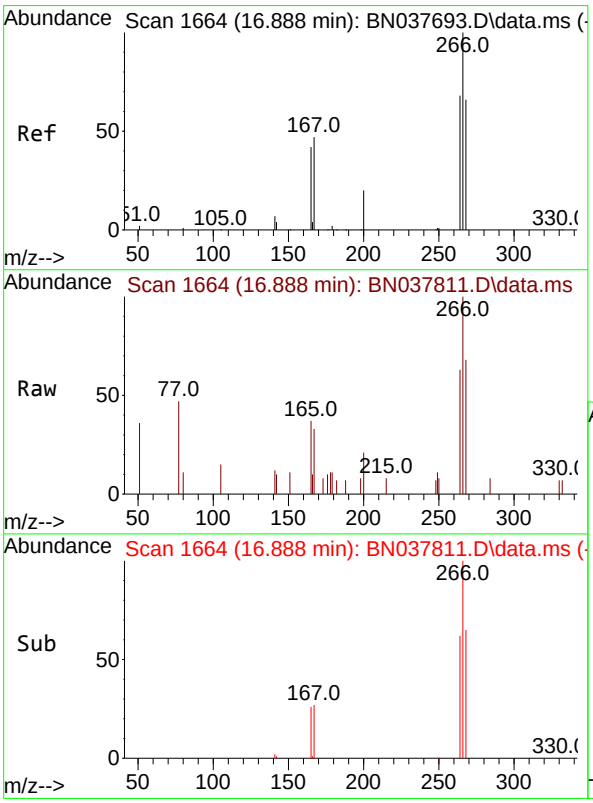
#23
Atrazine
Concen: 0.375 ng
RT: 16.689 min Scan# 1
Delta R.T. -0.013 min
Lab File: BN037811.D
Acq: 19 Sep 2025 13:03

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:200 Resp: 2102

Ion	Ratio	Lower	Upper
200	100		
173	31.2	21.4	32.2
215	46.5	39.2	58.8

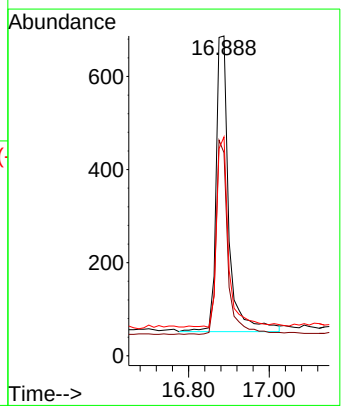


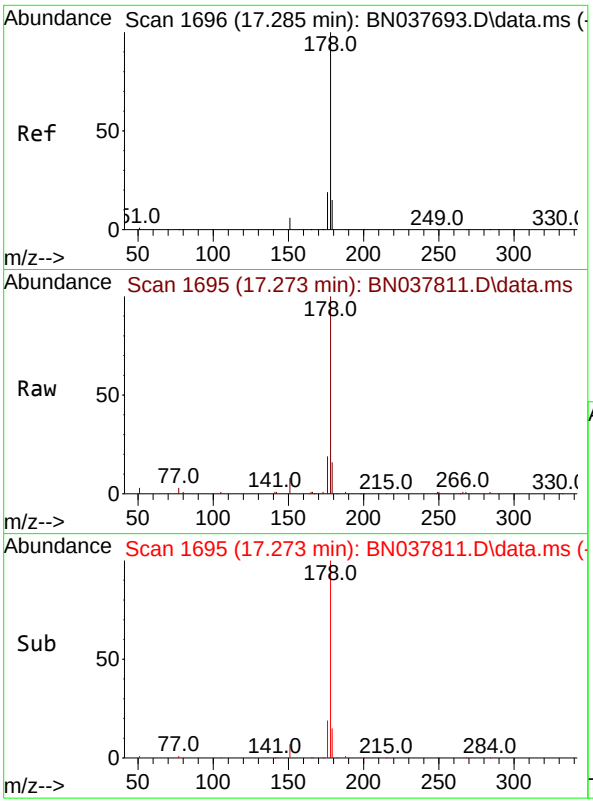


#24
Pentachlorophenol
Concen: 0.471 ng
RT: 16.888 min Scan# 1664
Delta R.T. -0.000 min
Lab File: BN037811.D
Acq: 19 Sep 2025 13:03

Tgt Ion:266 Resp: 1388

Ion	Ratio	Lower	Upper
266	100		
264	60.5	51.6	77.4
268	59.4	53.2	79.8



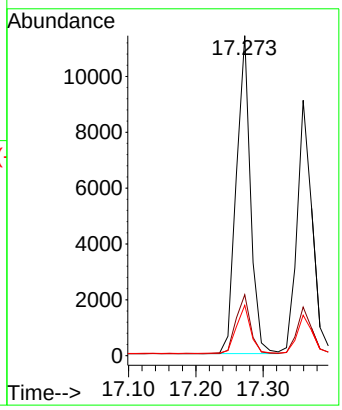


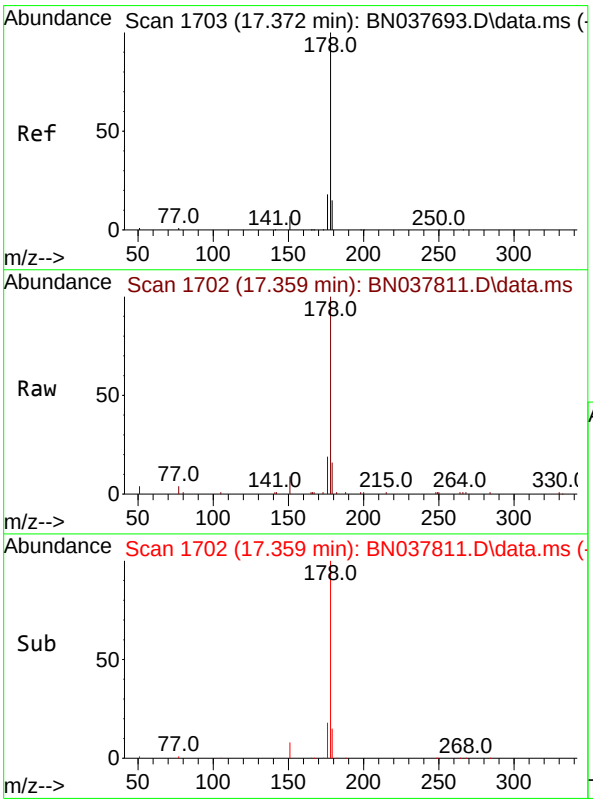
#25
Phenanthrene
Concen: 0.391 ng
RT: 17.273 min Scan# 1
Delta R.T. -0.013 min
Lab File: BN037811.D
Acq: 19 Sep 2025 13:03

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:178 Resp: 16630

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.3	22.9
179	15.4	12.2	18.2

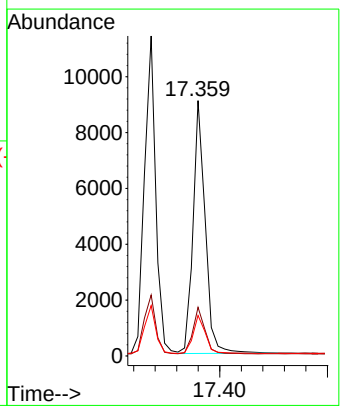


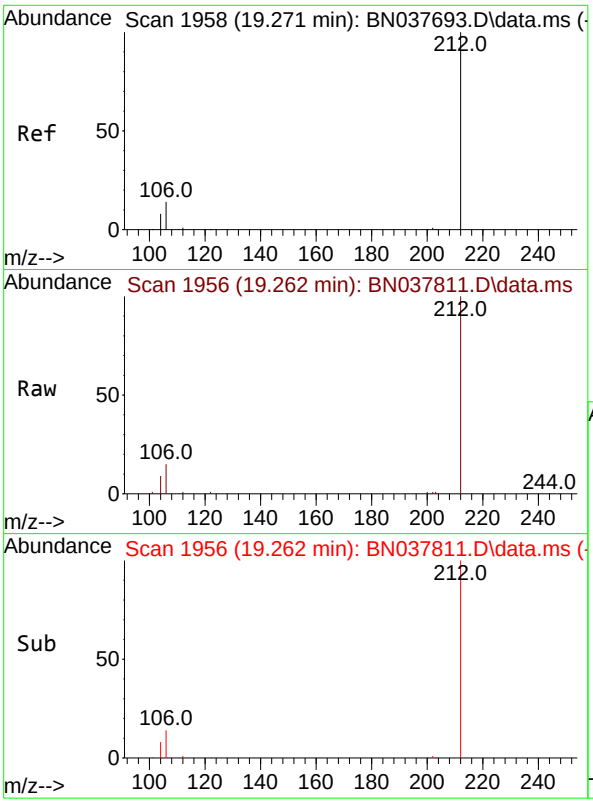


#26
Anthracene
Concen: 0.378 ng
RT: 17.359 min Scan# 1702
Delta R.T. -0.013 min
Lab File: BN037811.D
Acq: 19 Sep 2025 13:03

Tgt Ion:178 Resp: 14242

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.6	22.0
179	15.4	12.2	18.4



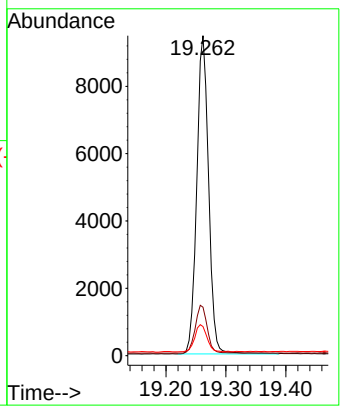


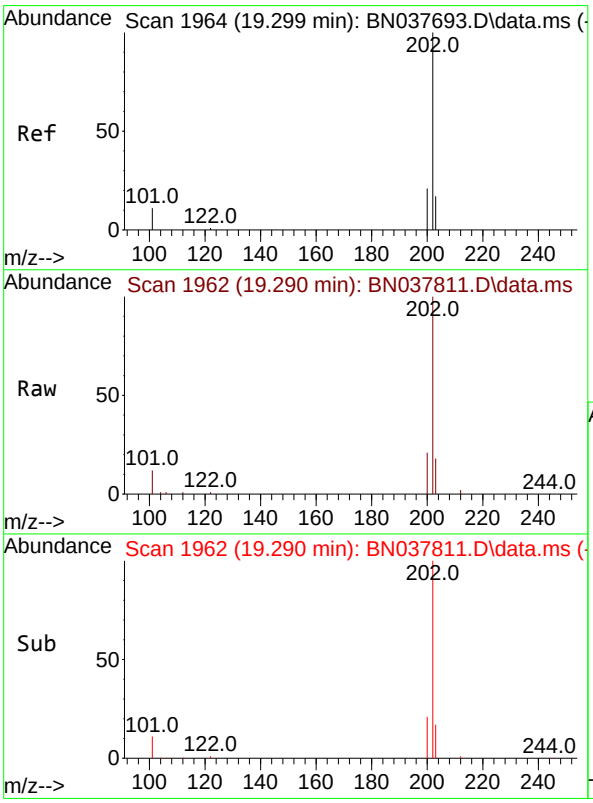
#27
Fluoranthene-d10
Concen: 0.381 ng
RT: 19.262 min Scan# 1
Delta R.T. -0.009 min
Lab File: BN037811.D
Acq: 19 Sep 2025 13:03

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:212 Resp: 12937

Ion	Ratio	Lower	Upper
212	100		
106	15.2	12.2	18.2
104	8.8	6.9	10.3

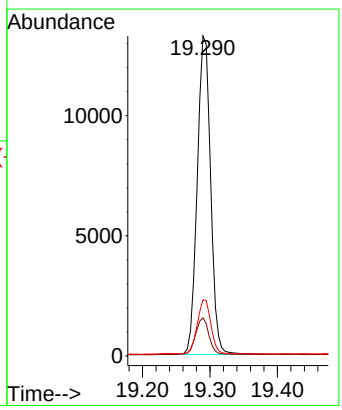


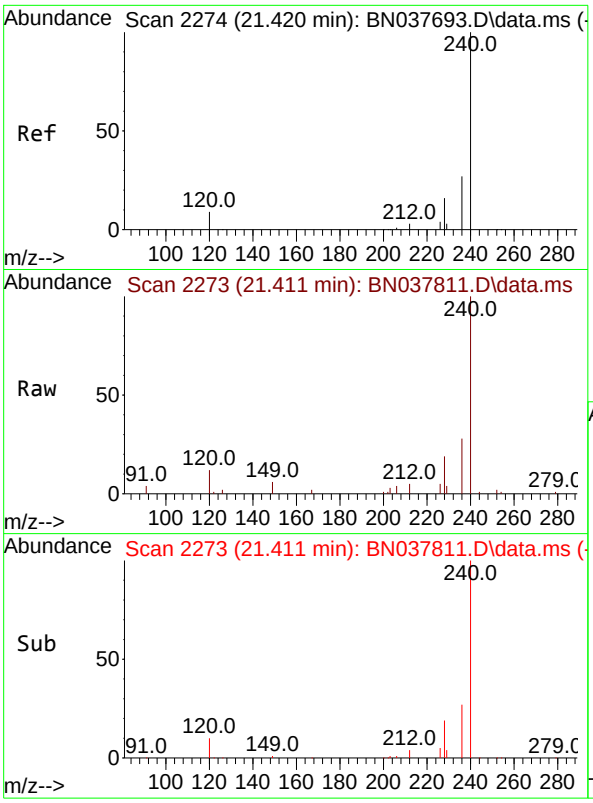


#28
Fluoranthene
Concen: 0.391 ng
RT: 19.290 min Scan# 1962
Delta R.T. -0.009 min
Lab File: BN037811.D
Acq: 19 Sep 2025 13:03

Tgt Ion:202 Resp: 18266

Ion	Ratio	Lower	Upper
202	100		
101	11.4	9.3	13.9
203	17.2	13.7	20.5



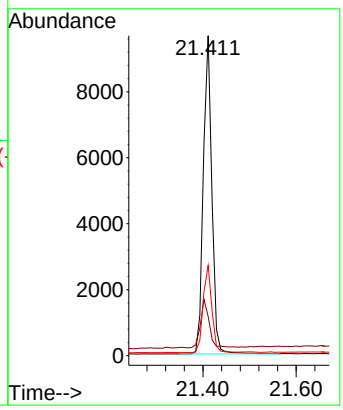


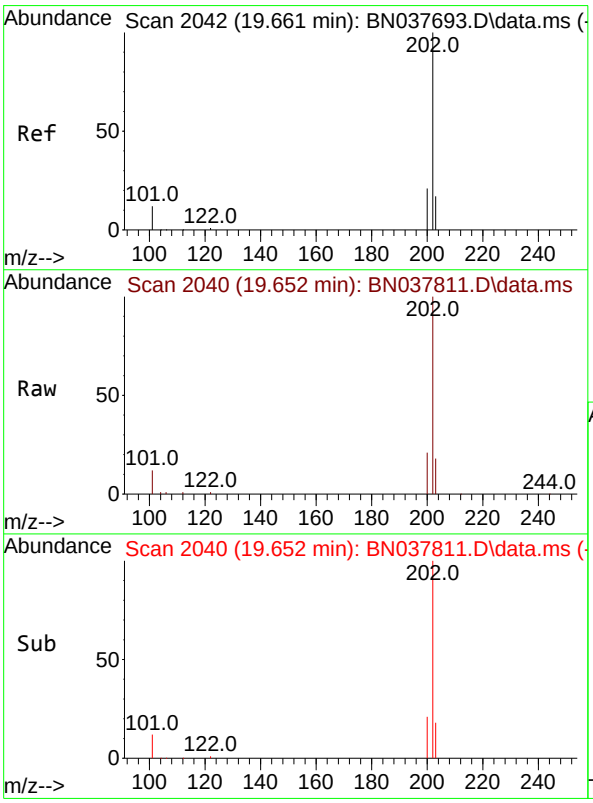
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.411 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037811.D
Acq: 19 Sep 2025 13:03

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:240 Resp: 12361

Ion	Ratio	Lower	Upper
240	100		
120	12.3	9.2	13.8
236	28.2	22.6	33.8

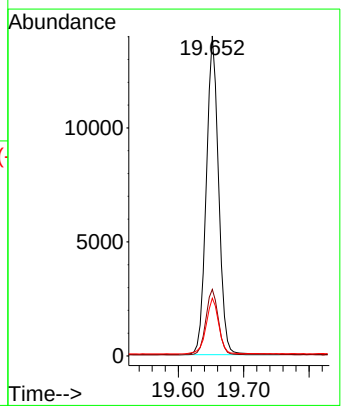


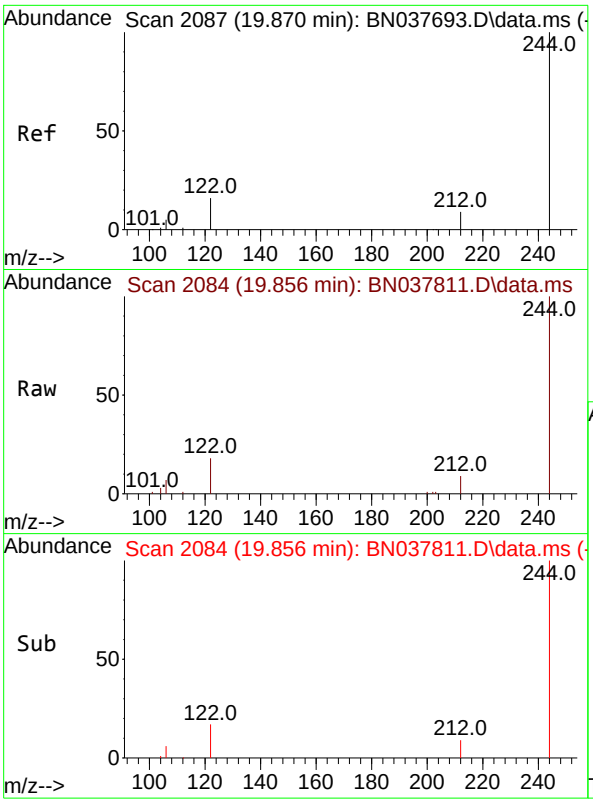


#30
Pyrene
Concen: 0.377 ng
RT: 19.652 min Scan# 2040
Delta R.T. -0.009 min
Lab File: BN037811.D
Acq: 19 Sep 2025 13:03

Tgt Ion:202 Resp: 18234

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.8	25.2
203	17.8	14.3	21.5



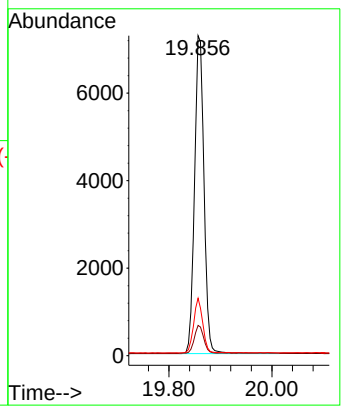


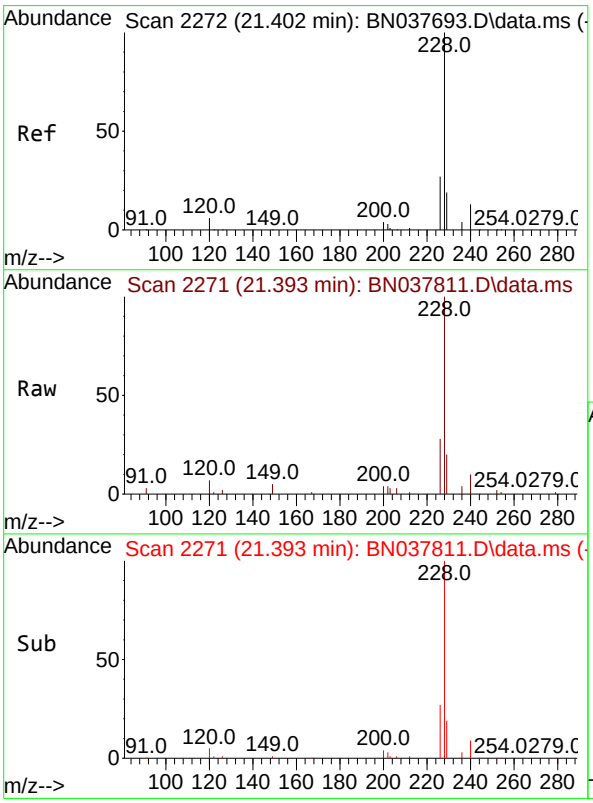
#31
Terphenyl-d14
Concen: 0.377 ng
RT: 19.856 min Scan# 2
Delta R.T. -0.014 min
Lab File: BN037811.D
Acq: 19 Sep 2025 13:03

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:244 Resp: 9455

Ion	Ratio	Lower	Upper
244	100		
212	9.5	7.5	11.3
122	18.0	13.2	19.8

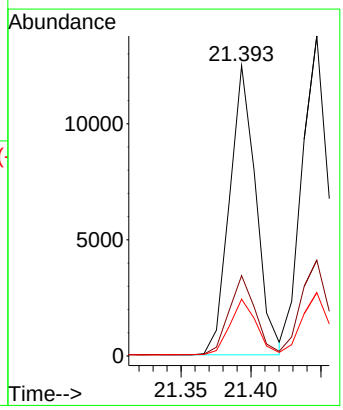


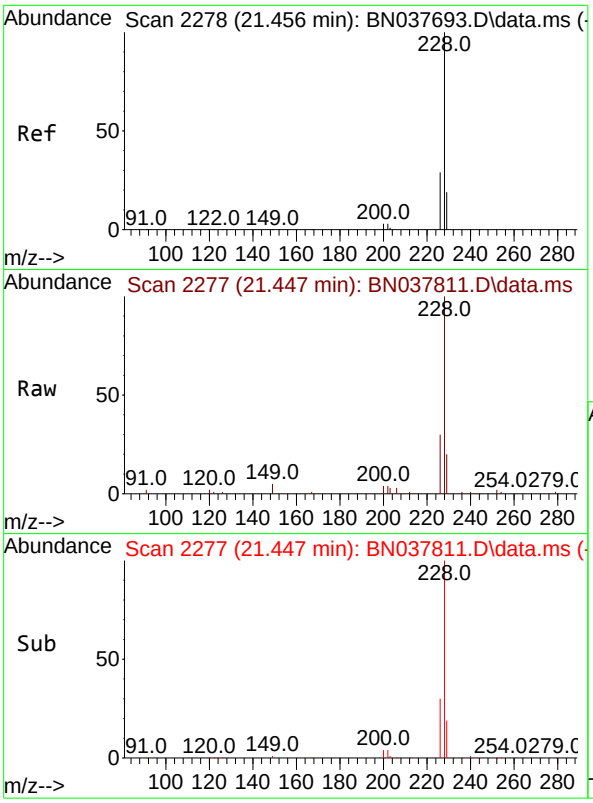


#32
Benzo(a)anthracene
Concen: 0.379 ng
RT: 21.393 min Scan# 2271
Delta R.T. -0.009 min
Lab File: BN037811.D
Acq: 19 Sep 2025 13:03

Tgt Ion:228 Resp: 16344

Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.2	33.2
229	19.6	15.8	23.6



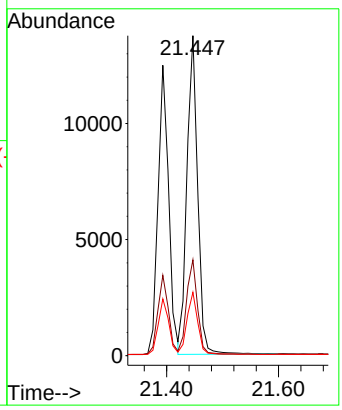


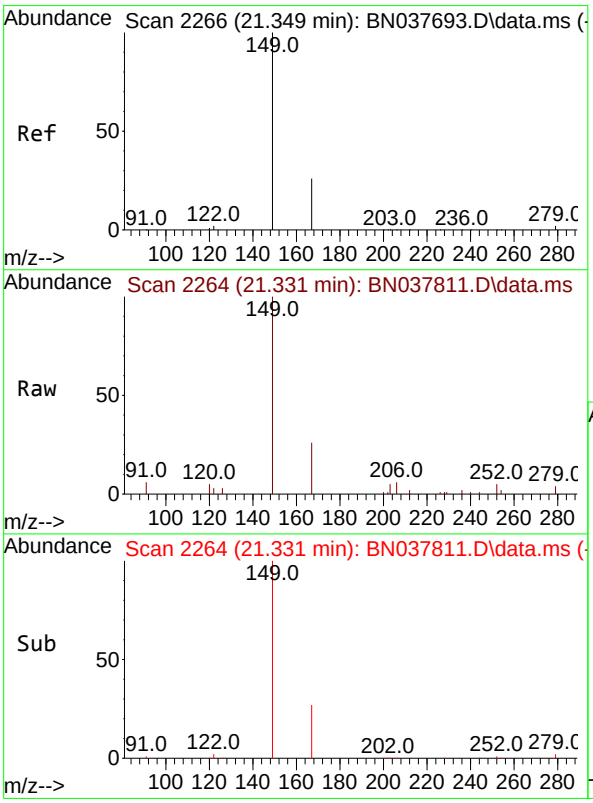
#33
Chrysene
Concen: 0.396 ng
RT: 21.447 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037811.D
Acq: 19 Sep 2025 13:03

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:228 Resp: 18321

Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.5	35.3
229	19.8	15.9	23.9

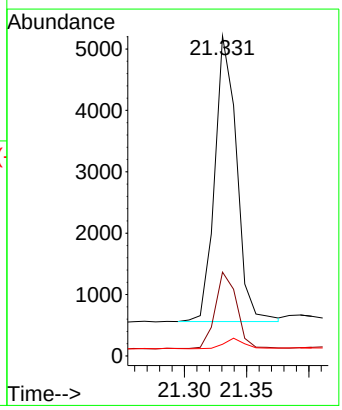


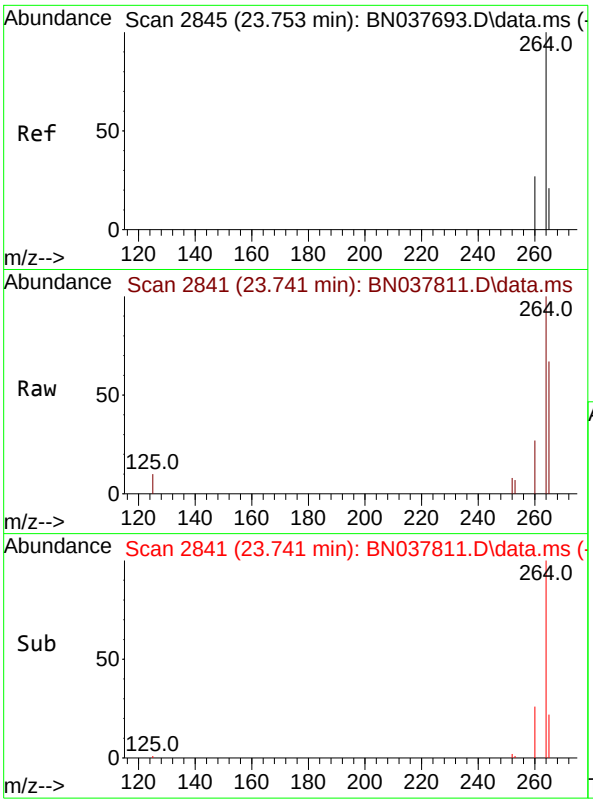


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.446 ng
RT: 21.331 min Scan# 2264
Delta R.T. -0.018 min
Lab File: BN037811.D
Acq: 19 Sep 2025 13:03

Tgt Ion:149 Resp: 5701

Ion	Ratio	Lower	Upper
149	100		
167	26.3	20.8	31.2
279	3.6	3.3	4.9



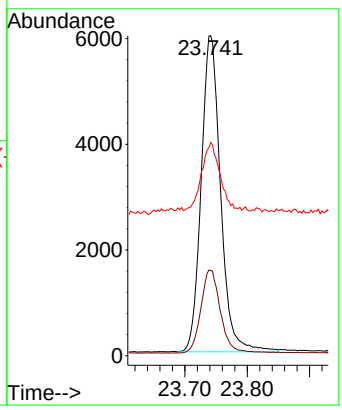


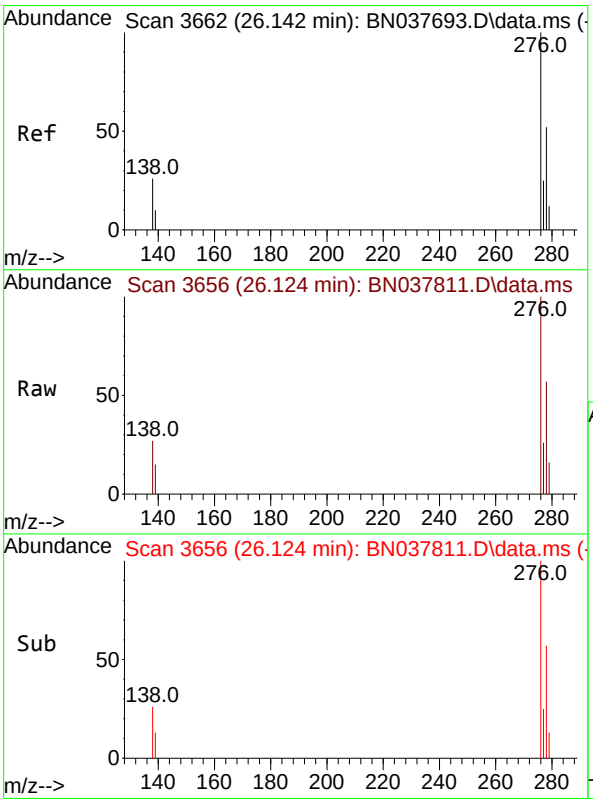
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.741 min Scan# 2
Delta R.T. -0.012 min
Lab File: BN037811.D
Acq: 19 Sep 2025 13:03

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:264 Resp: 12915

Ion	Ratio	Lower	Upper
264	100		
260	26.7	21.8	32.8
265	66.6	39.4	59.2#

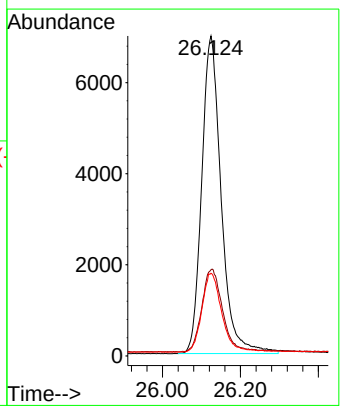


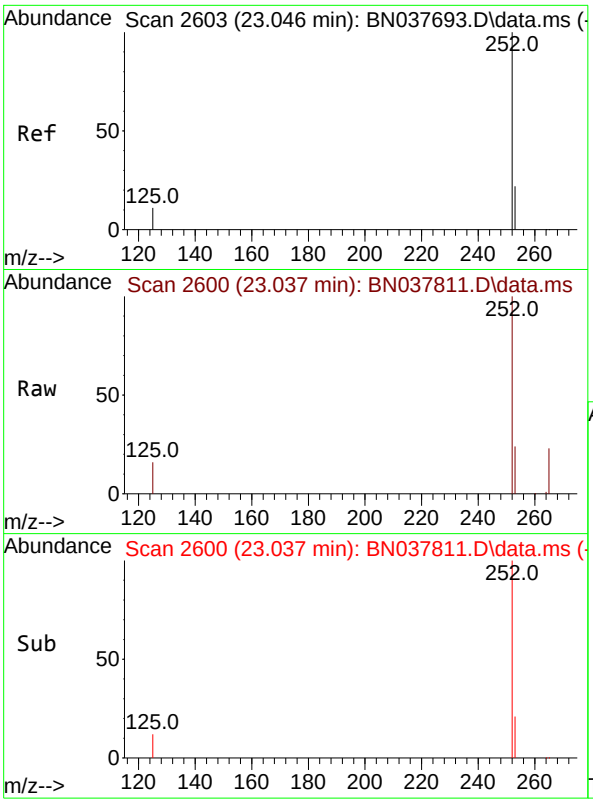


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.447 ng
RT: 26.124 min Scan# 3656
Delta R.T. -0.018 min
Lab File: BN037811.D
Acq: 19 Sep 2025 13:03

Tgt Ion:276 Resp: 24237

Ion	Ratio	Lower	Upper
276	100		
138	27.3	21.9	32.9
277	25.1	20.1	30.1



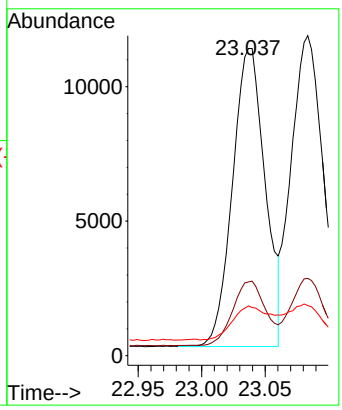


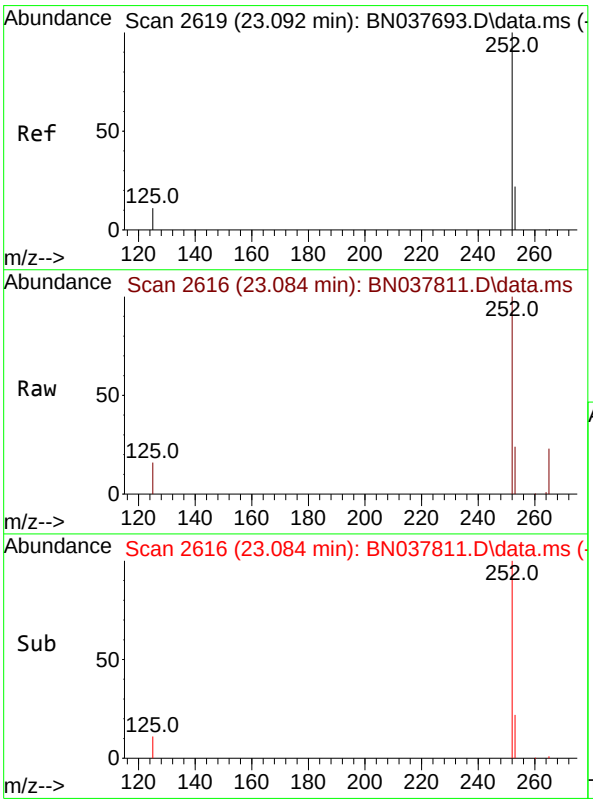
#37
Benzo(b)fluoranthene
Concen: 0.389 ng
RT: 23.037 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037811.D
Acq: 19 Sep 2025 13:03

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 19797

Ion	Ratio	Lower	Upper
252	100		
253	24.0	19.4	29.2
125	16.2	11.2	16.8

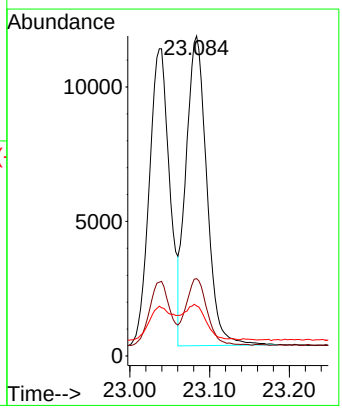


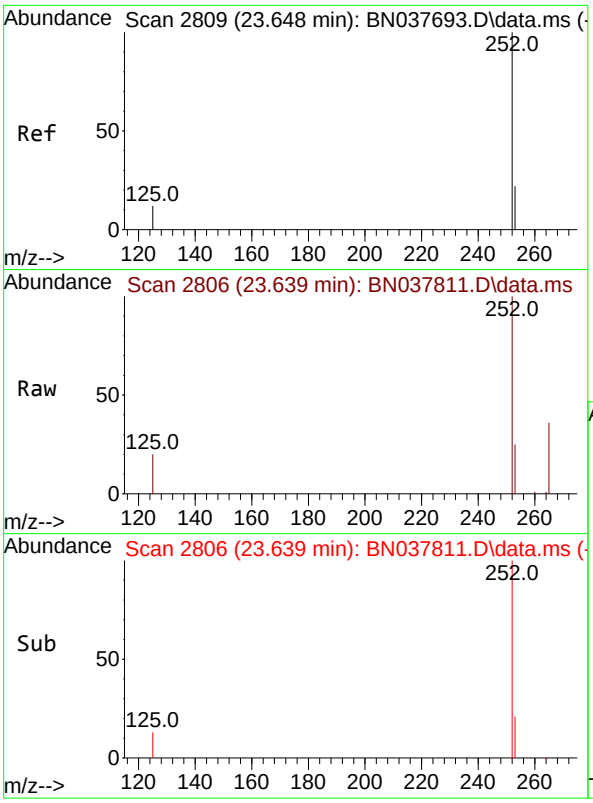


#38
Benzo(k)fluoranthene
Concen: 0.402 ng
RT: 23.084 min Scan# 2616
Delta R.T. -0.009 min
Lab File: BN037811.D
Acq: 19 Sep 2025 13:03

Tgt Ion:252 Resp: 20862

Ion	Ratio	Lower	Upper
252	100		
253	24.2	19.4	29.0
125	15.7	11.6	17.4



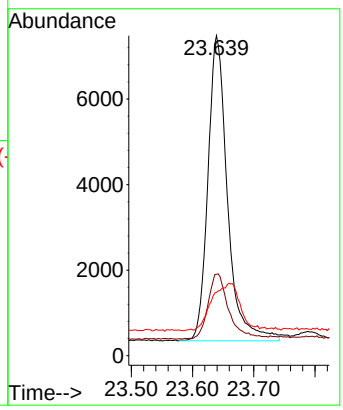


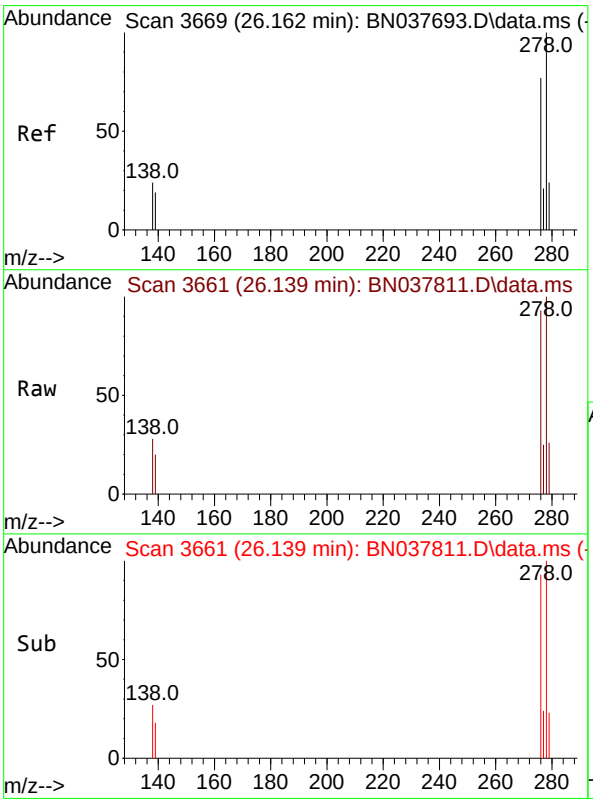
#39
Benzo(a)pyrene
Concen: 0.388 ng
RT: 23.639 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037811.D
Acq: 19 Sep 2025 13:03

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 15816

Ion	Ratio	Lower	Upper
252	100		
253	25.4	20.8	31.2
125	19.8	13.9	20.9

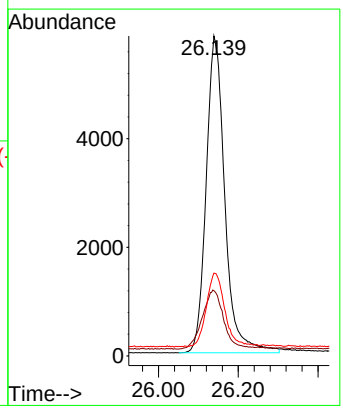


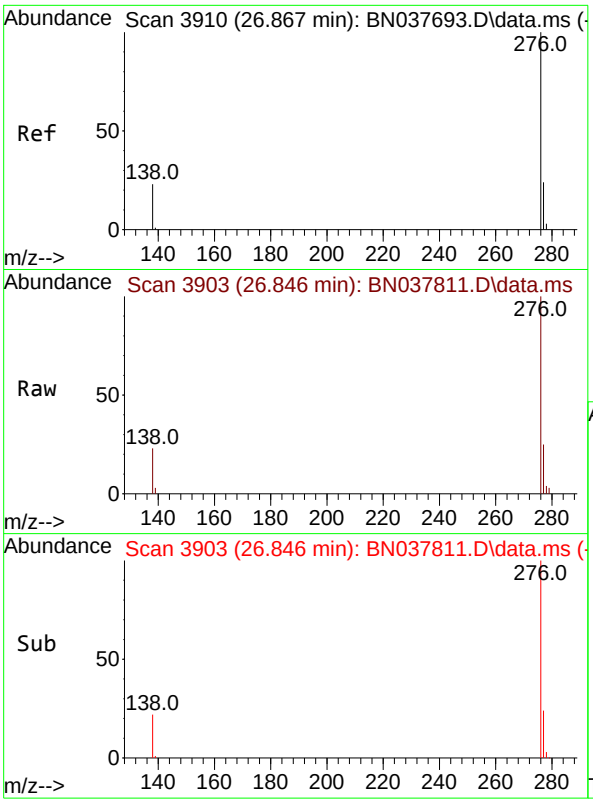


#40
Dibenzo(a,h)anthracene
Concen: 0.437 ng
RT: 26.139 min Scan# 3661
Delta R.T. -0.024 min
Lab File: BN037811.D
Acq: 19 Sep 2025 13:03

Tgt Ion:278 Resp: 18950

Ion	Ratio	Lower	Upper
278	100		
139	20.4	17.8	26.6
279	25.9	22.0	33.0



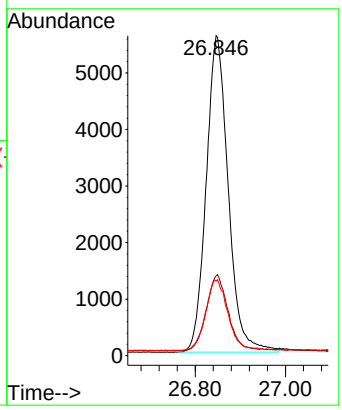


#41
Benzo(g,h,i)perylene
Concen: 0.391 ng
RT: 26.846 min Scan# 3
Delta R.T. -0.021 min
Lab File: BN037811.D
Acq: 19 Sep 2025 13:03

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 18988

Ion	Ratio	Lower	Upper
276	100		
277	24.9	20.6	31.0
138	23.3	20.2	30.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091825\
Data File : BN037811.D
Acq On : 19 Sep 2025 13:03
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Quant Time: Sep 19 13:27:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	116	0.00
2		1,4-Dioxane	0.417	0.424	-1.7	117	0.00
3		n-Nitrosodimethylamine	0.544	0.565	-3.9	117	0.00
4	S	2-Fluorophenol	0.918	1.044	-13.7	136	0.00
5	S	Phenol-d6	1.191	1.176	1.3	118	0.00
6		bis(2-Chloroethyl)ether	1.064	1.039	2.3	113	0.00
7	I	Naphthalene-d8	1.000	1.000	0.0	119	-0.01
8	S	Nitrobenzene-d5	0.293	0.292	0.3	122	-0.01
9		Naphthalene	1.093	1.067	2.4	118	-0.01
10		Hexachlorobutadiene	0.198	0.191	3.5	115	-0.02
11	SURR	2-Methylnaphthalene-d10	0.530	0.497	6.2	118	-0.02
12		2-Methylnaphthalene	0.676	0.649	4.0	117	-0.01
13	I	Acenaphthene-d10	1.000	1.000	0.0	119	-0.01
14	S	2,4,6-Tribromophenol	0.104	0.131	-26.0#	154#	-0.01
15	S	2-Fluorobiphenyl	1.673	1.615	3.5	116	-0.01
16		Acenaphthylene	1.834	1.698	7.4	113	0.00
17		Acenaphthene	1.240	1.176	5.2	115	-0.01
18		Fluorene	1.502	1.434	4.5	118	0.00
19	I	Phenanthrene-d10	1.000	1.000	0.0	120	-0.01
20		4,6-Dinitro-2-methylphenol	0.037	0.031	16.2	112	-0.01
21		4-Bromophenyl-phenylether	0.261	0.241	7.7	115	-0.01
22		Hexachlorobenzene	0.300	0.300	0.0	123	-0.01
23		Atrazine	0.166	0.155	6.6	123	-0.01
24		Pentachlorophenol	0.087	0.103	-18.4	165#	0.00
25		Phenanthrene	1.259	1.230	2.3	121	-0.01
26		Anthracene	1.116	1.053	5.6	118	-0.01
27	SURR	Fluoranthene-d10	1.004	0.957	4.7	123	0.00
28		Fluoranthene	1.381	1.351	2.2	124	0.00
29	I	Chrysene-d12	1.000	1.000	0.0	132	0.00
30		Pyrene	1.566	1.475	5.8	125	0.00
31	S	Terphenyl-d14	0.812	0.765	5.8	126	-0.01
32		Benzo(a)anthracene	1.395	1.322	5.2	129	0.00
33		Chrysene	1.496	1.482	0.9	131	0.00
34		Bis(2-ethylhexyl)phthalate	0.414	0.461	-11.4	162#	-0.02
35	I	Perylene-d12	1.000	1.000	0.0	144	-0.01
36		Indeno(1,2,3-cd)pyrene	1.681	1.877	-11.7	175#	-0.02
37		Benzo(b)fluoranthene	1.575	1.533	2.7	142	0.00
38		Benzo(k)fluoranthene	1.606	1.615	-0.6	153#	0.00
39	C	Benzo(a)pyrene	1.261	1.225	2.9	147	0.00
40		Dibenzo(a,h)anthracene	1.342	1.467	-9.3	175#	-0.02
41		Benzo(g,h,i)perylene	1.506	1.470	2.4	146	-0.02

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091825\
Data File : BN037811.D
Acq On : 19 Sep 2025 13:03
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Quant Time: Sep 19 13:27:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	0.400	0.400	0.0	116	0.00
2		1,4-Dioxane	0.400	0.407	-1.7	117	0.00
3		n-Nitrosodimethylamine	0.400	0.415	-3.7	117	0.00
4	S	2-Fluorophenol	0.400	0.455	-13.7	136	0.00
5	S	Phenol-d6	0.400	0.395	1.3	118	0.00
6		bis(2-Chloroethyl)ether	0.400	0.391	2.3	113	0.00
7	I	Naphthalene-d8	0.400	0.400	0.0	119	-0.01
8	S	Nitrobenzene-d5	0.400	0.399	0.3	122	-0.01
9		Naphthalene	0.400	0.391	2.3	118	-0.01
10		Hexachlorobutadiene	0.400	0.387	3.3	115	-0.02
11	SURR	2-Methylnaphthalene-d10	0.400	0.375	6.3	118	-0.02
12		2-Methylnaphthalene	0.400	0.384	4.0	117	-0.01
13	I	Acenaphthene-d10	0.400	0.400	0.0	119	-0.01
14	S	2,4,6-Tribromophenol	0.400	0.501	-25.2#	154	-0.01
15	S	2-Fluorobiphenyl	0.400	0.386	3.5	116	-0.01
16		Acenaphthylene	0.400	0.370	7.5	113	0.00
17		Acenaphthene	0.400	0.379	5.3	115	-0.01
18		Fluorene	0.400	0.382	4.5	118	0.00
19	I	Phenanthrene-d10	0.400	0.400	0.0	120	-0.01
20		4,6-Dinitro-2-methylphenol	0.400	0.332	17.0	112	-0.01
21		4-Bromophenyl-phenylether	0.400	0.369	7.8	115	-0.01
22		Hexachlorobenzene	0.400	0.401	-0.3	123	-0.01
23		Atrazine	0.400	0.375	6.3	123	-0.01
24		Pentachlorophenol	0.400	0.471	-17.7	165	0.00
25		Phenanthrene	0.400	0.391	2.3	121	-0.01
26		Anthracene	0.400	0.378	5.5	118	-0.01
27	SURR	Fluoranthene-d10	0.400	0.381	4.8	123	0.00
28		Fluoranthene	0.400	0.391	2.3	124	0.00
29	I	Chrysene-d12	0.400	0.400	0.0	132	0.00
30		Pyrene	0.400	0.377	5.8	125	0.00
31	S	Terphenyl-d14	0.400	0.377	5.8	126	-0.01
32		Benzo(a)anthracene	0.400	0.379	5.3	129	0.00
33		Chrysene	0.400	0.396	1.0	131	0.00
34		Bis(2-ethylhexyl)phthalate	0.400	0.446	-11.5	162	-0.02
35	I	Perylene-d12	0.400	0.400	0.0	144	-0.01
36		Indeno(1,2,3-cd)pyrene	0.400	0.447	-11.7	175	-0.02
37		Benzo(b)fluoranthene	0.400	0.389	2.8	142	0.00
38		Benzo(k)fluoranthene	0.400	0.402	-0.5	153	0.00
39	C	Benzo(a)pyrene	0.400	0.388	3.0	147	0.00
40		Dibenzo(a,h)anthracene	0.400	0.437	-9.2	175	-0.02
41		Benzo(g,h,i)perylene	0.400	0.391	2.3	146	-0.02

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

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO15

Lab Code: ACE SDG No.: Q3095

Instrument ID: BNA_N Calibration Date/Time: 09/19/2025 14:19

Lab File ID: BN037813.D Init. Calib. Date(s): 09/11/2025 09/11/2025

EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 09:56 13:33

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.530	0.473		-10.8	20.0
Fluoranthene-d10	1.004	0.897		-10.7	20.0
2-Fluorophenol	0.918	0.947		3.2	20.0
Phenol-d6	1.191	1.079		-9.4	20.0
Nitrobenzene-d5	0.293	0.284		-3.1	20.0
2-Fluorobiphenyl	1.673	1.589		-5.0	20.0
2,4,6-Tribromophenol	0.104	0.121		16.3	20.0
Terphenyl-d14	0.812	0.730		-10.1	20.0
1,4-Dioxane	0.417	0.410		-1.7	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\BN091925\
Data File : BN037813.D
Acq On : 19 Sep 2025 14:19
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Sep 19 15:09:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

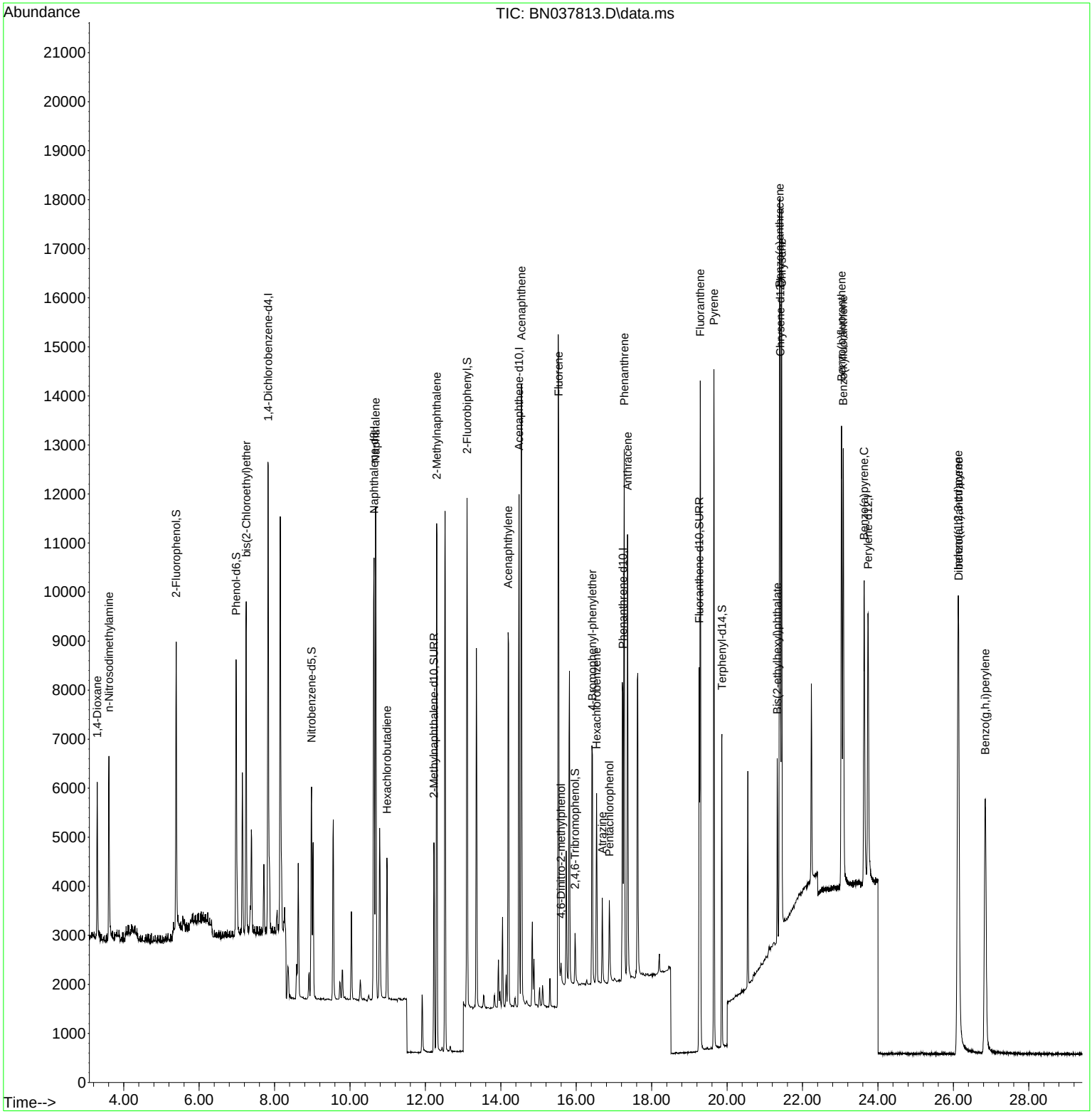
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.833	152	4812	0.400	ng		0.00
7) Naphthalene-d8	10.637	136	12410	0.400	ng		-0.01
13) Acenaphthene-d10	14.484	164	5585	0.400	ng		-0.01
19) Phenanthrene-d10	17.235	188	9638	0.400	ng	#	0.00
29) Chrysene-d12	21.411	240	8466	0.400	ng		0.00
35) Perylene-d12	23.739	264	8084	0.400	ng	#	-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.392	112	4556	0.412	ng		0.00
5) Phenol-d6	6.981	99	5192	0.362	ng		0.00
8) Nitrobenzene-d5	8.982	82	3525	0.388	ng		-0.01
11) 2-Methylnaphthalene-d10	12.228	152	5866	0.357	ng		-0.02
14) 2,4,6-Tribromophenol	15.969	330	674	0.463	ng		-0.01
15) 2-Fluorobiphenyl	13.105	172	8872	0.380	ng		-0.01
27) Fluoranthene-d10	19.262	212	8646	0.357	ng		0.00
31) Terphenyl-d14	19.861	244	6183	0.360	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.297	88	1973	0.394	ng		96
3) n-Nitrosodimethylamine	3.608	42	2320	0.354	ng		92
6) bis(2-Chloroethyl)ether	7.248	93	4798	0.375	ng		99
9) Naphthalene	10.680	128	13094	0.386	ng		99
10) Hexachlorobutadiene	10.979	225	2398	0.391	ng	#	100
12) 2-Methylnaphthalene	12.299	142	7752	0.369	ng		98
16) Acenaphthylene	14.195	152	9175	0.358	ng		100
17) Acenaphthene	14.548	154	6415	0.370	ng		97
18) Fluorene	15.535	166	7451	0.355	ng		100
20) 4,6-Dinitro-2-methylph...	15.597	198	309	0.346	ng	#	73
21) 4-Bromophenyl-phenylether	16.429	248	2295	0.365	ng	#	95
22) Hexachlorobenzene	16.540	284	3006	0.416	ng		98
23) Atrazine	16.689	200	1460	0.365	ng		96
24) Pentachlorophenol	16.876	266	969	0.462	ng		96
25) Phenanthrene	17.273	178	11575	0.381	ng		100
26) Anthracene	17.360	178	9951	0.370	ng		99
28) Fluoranthene	19.290	202	12394	0.372	ng		100
30) Pyrene	19.652	202	12322	0.372	ng		100
32) Benzo(a)anthracene	21.393	228	10829	0.367	ng		99
33) Chrysene	21.447	228	12256	0.387	ng		99
34) Bis(2-ethylhexyl)phtha...	21.331	149	3318	0.379	ng		99
36) Indeno(1,2,3-cd)pyrene	26.124	276	13502	0.398	ng		98
37) Benzo(b)fluoranthene	23.034	252	12627	0.397	ng	#	95
38) Benzo(k)fluoranthene	23.081	252	12470	0.384	ng	#	95
39) Benzo(a)pyrene	23.633	252	9793	0.384	ng	#	93
40) Dibenzo(a,h)anthracene	26.139	278	10208	0.376	ng		98
41) Benzo(g,h,i)perylene	26.846	276	12010	0.395	ng		99

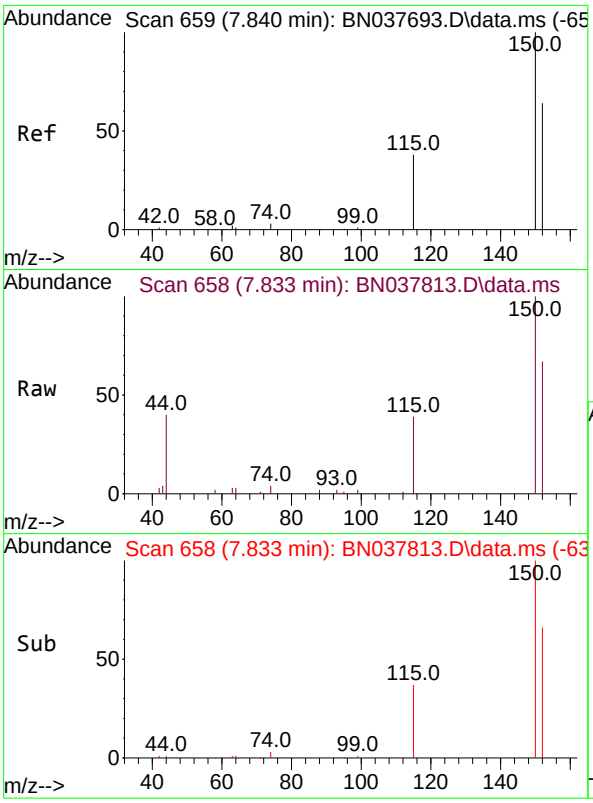
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091925\
Data File : BN037813.D
Acq On : 19 Sep 2025 14:19
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Sep 19 15:09:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration



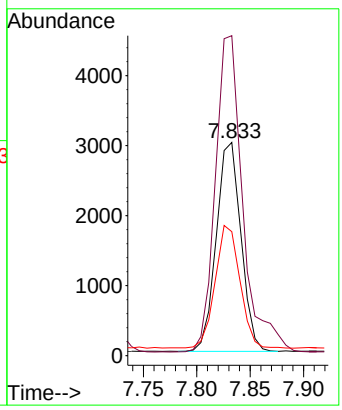


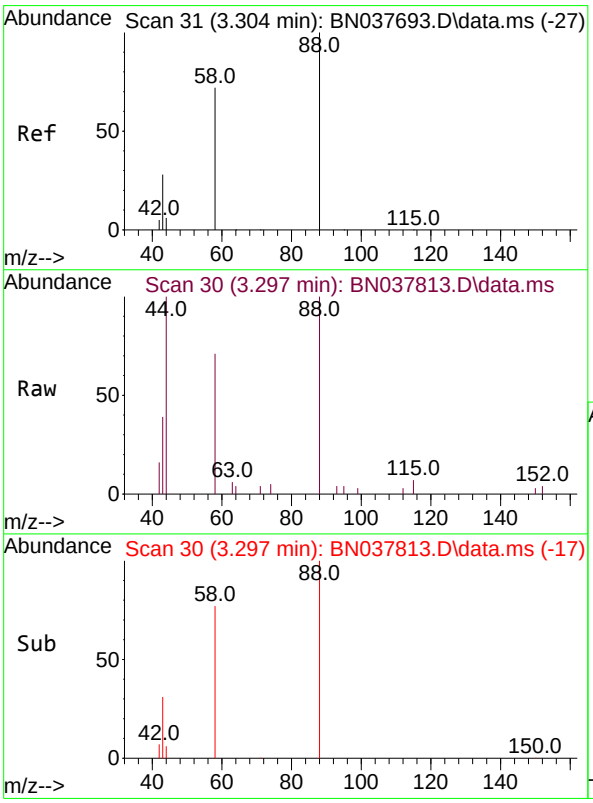
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.833 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN037813.D
Acq: 19 Sep 2025 14:19

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 4812

Ion	Ratio	Lower	Upper
152	100		
150	150.0	124.5	186.7
115	58.1	49.2	73.8

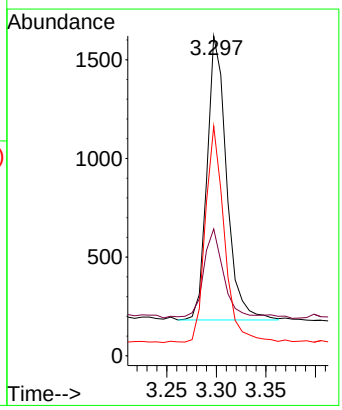


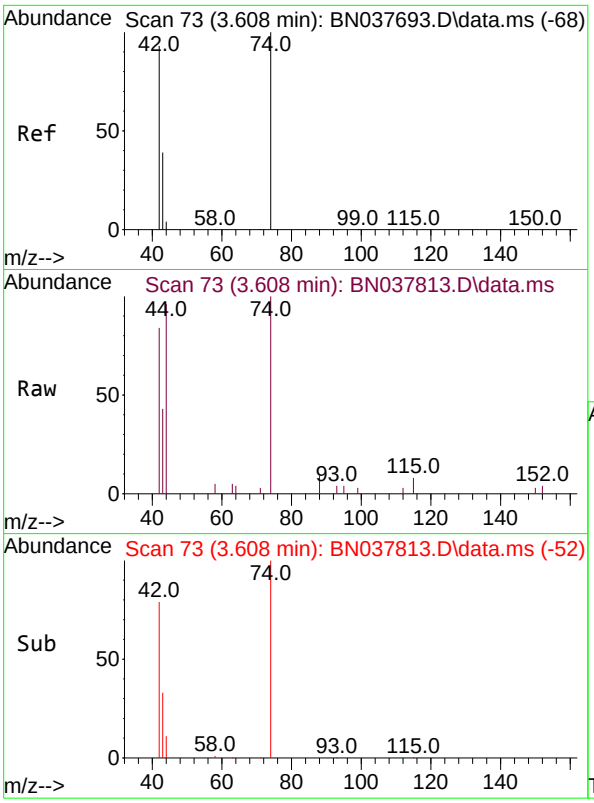


#2
1,4-Dioxane
Concen: 0.394 ng
RT: 3.297 min Scan# 30
Delta R.T. -0.007 min
Lab File: BN037813.D
Acq: 19 Sep 2025 14:19

Tgt Ion: 88 Resp: 1973

Ion	Ratio	Lower	Upper
88	100		
43	30.5	26.8	40.2
58	74.5	61.9	92.9



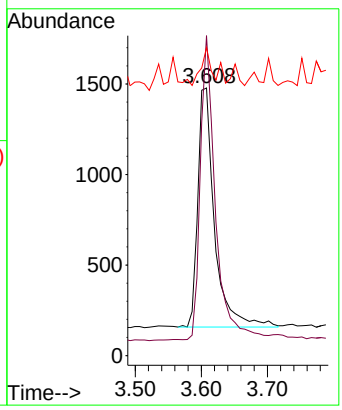


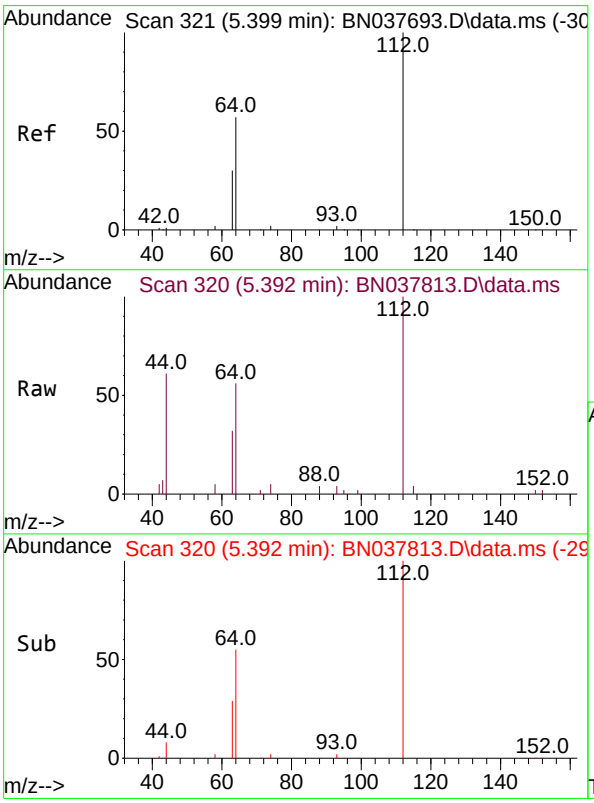
#3
n-Nitrosodimethylamine
Concen: 0.354 ng
RT: 3.608 min Scan# 7
Delta R.T. 0.000 min
Lab File: BN037813.D
Acq: 19 Sep 2025 14:19

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 2320

Ion	Ratio	Lower	Upper
42	100		
74	116.8	86.0	129.0
44	10.1	8.4	12.6

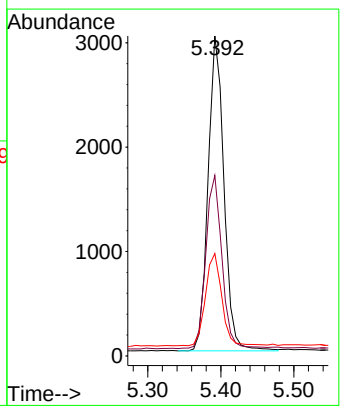


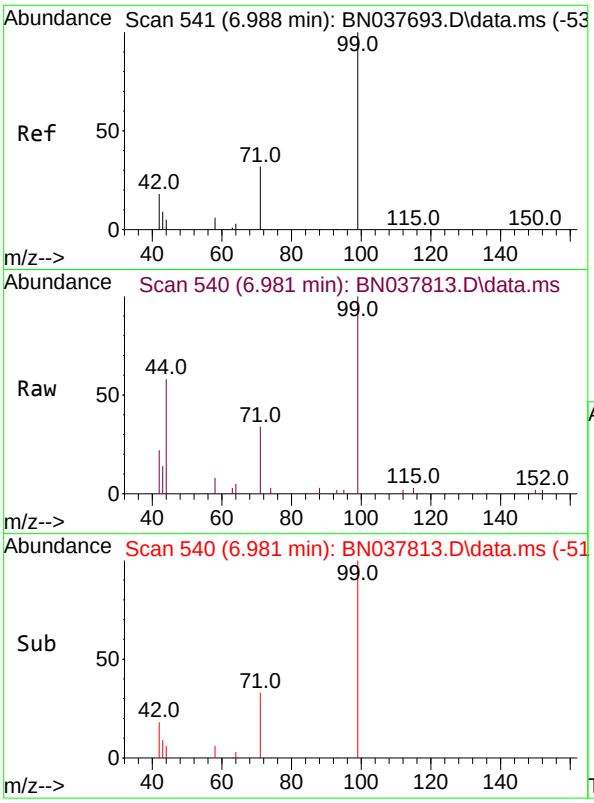


#4
2-Fluorophenol
Concen: 0.412 ng
RT: 5.392 min Scan# 320
Delta R.T. -0.007 min
Lab File: BN037813.D
Acq: 19 Sep 2025 14:19

Tgt Ion:112 Resp: 4556

Ion	Ratio	Lower	Upper
112	100		
64	55.9	44.9	67.3
63	30.0	24.7	37.1



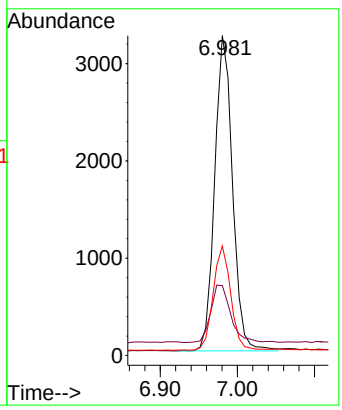


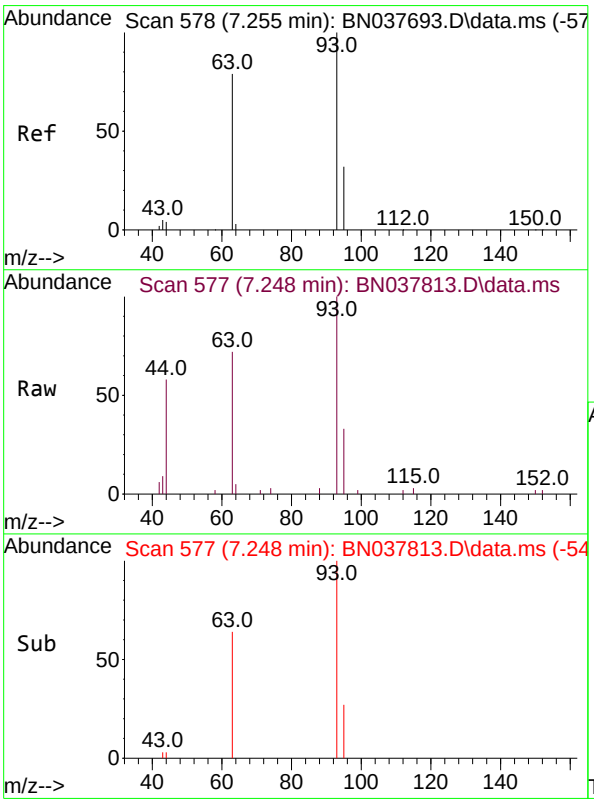
#5
Phenol-d6
Concen: 0.362 ng
RT: 6.981 min Scan# 54
Delta R.T. -0.007 min
Lab File: BN037813.D
Acq: 19 Sep 2025 14:19

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 5192

Ion	Ratio	Lower	Upper
99	100		
42	20.6	16.6	24.8
71	33.1	26.7	40.1

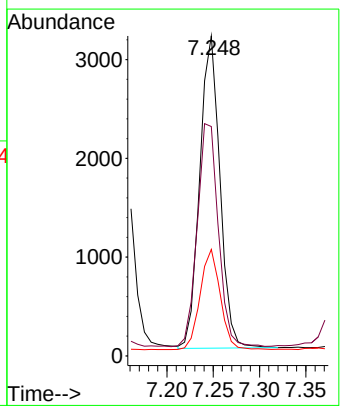


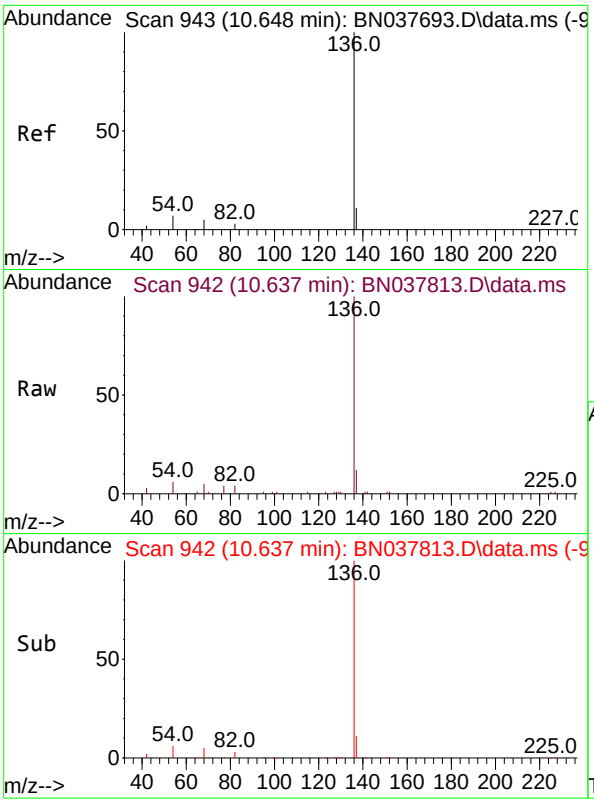


#6
bis(2-Chloroethyl)ether
Concen: 0.375 ng
RT: 7.248 min Scan# 577
Delta R.T. -0.007 min
Lab File: BN037813.D
Acq: 19 Sep 2025 14:19

Tgt Ion: 93 Resp: 4798

Ion	Ratio	Lower	Upper
93	100		
63	74.7	60.6	90.8
95	32.1	26.0	39.0



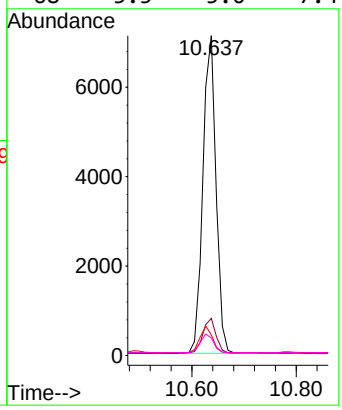


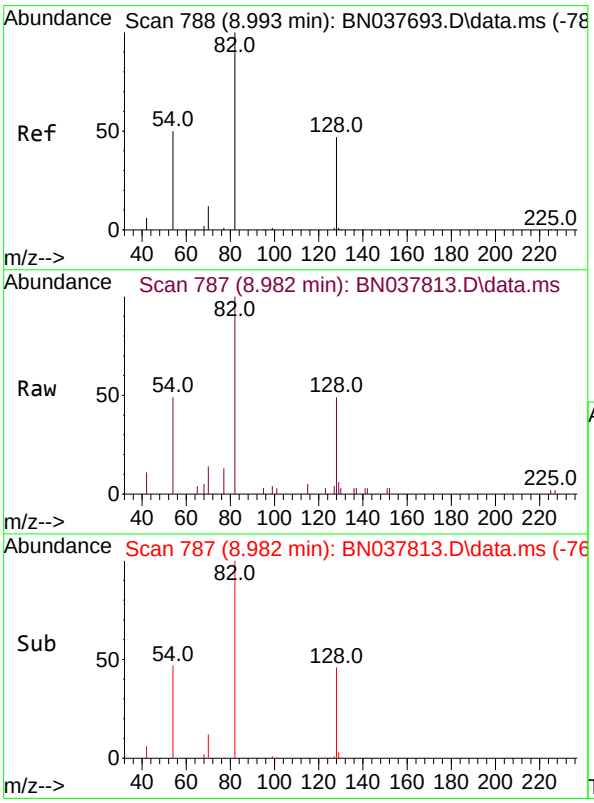
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.637 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037813.D
Acq: 19 Sep 2025 14:19

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 12410

Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.1	13.7
54	6.4	6.3	9.5
68	5.5	5.0	7.4

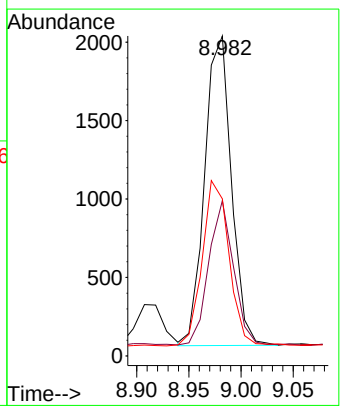


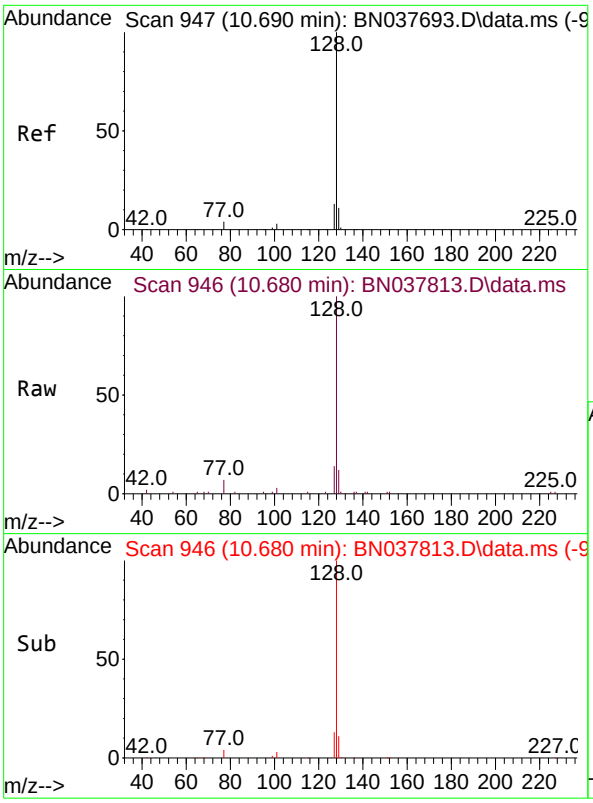


#8
Nitrobenzene-d5
Concen: 0.388 ng
RT: 8.982 min Scan# 787
Delta R.T. -0.011 min
Lab File: BN037813.D
Acq: 19 Sep 2025 14:19

Tgt Ion: 82 Resp: 3525

Ion	Ratio	Lower	Upper
82	100		
128	48.5	38.3	57.5
54	49.1	41.4	62.2



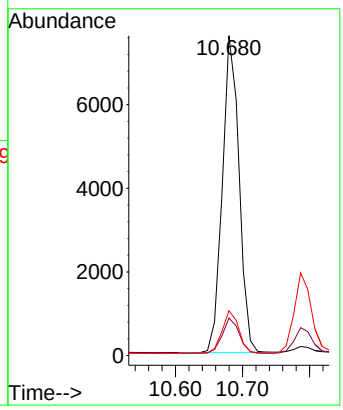


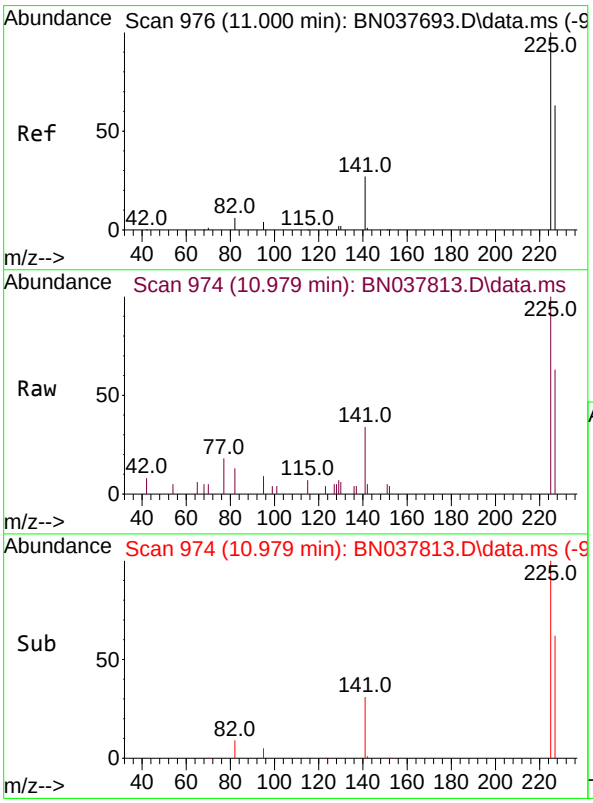
#9
Naphthalene
Concen: 0.386 ng
RT: 10.680 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037813.D
Acq: 19 Sep 2025 14:19

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 13094

Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.1	13.7
127	14.0	10.9	16.3

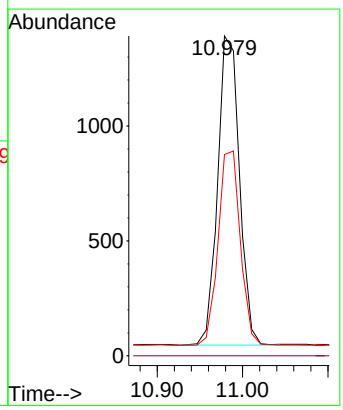


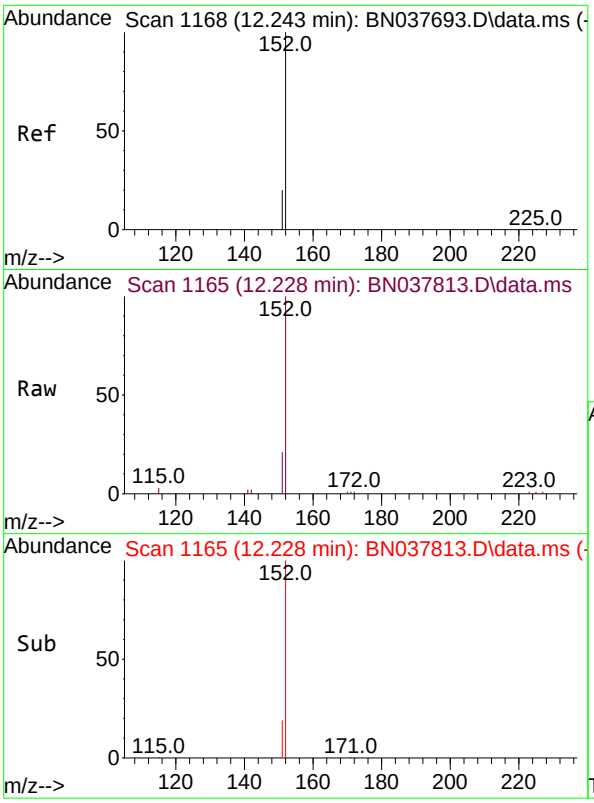


#10
Hexachlorobutadiene
Concen: 0.391 ng
RT: 10.979 min Scan# 974
Delta R.T. -0.021 min
Lab File: BN037813.D
Acq: 19 Sep 2025 14:19

Tgt Ion:225 Resp: 2398

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.0	50.9	76.3



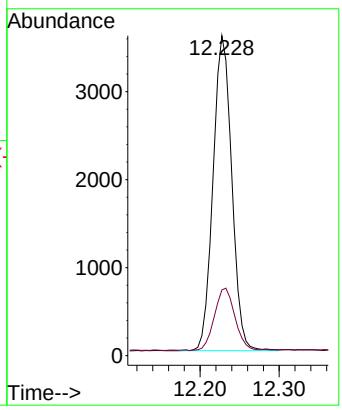


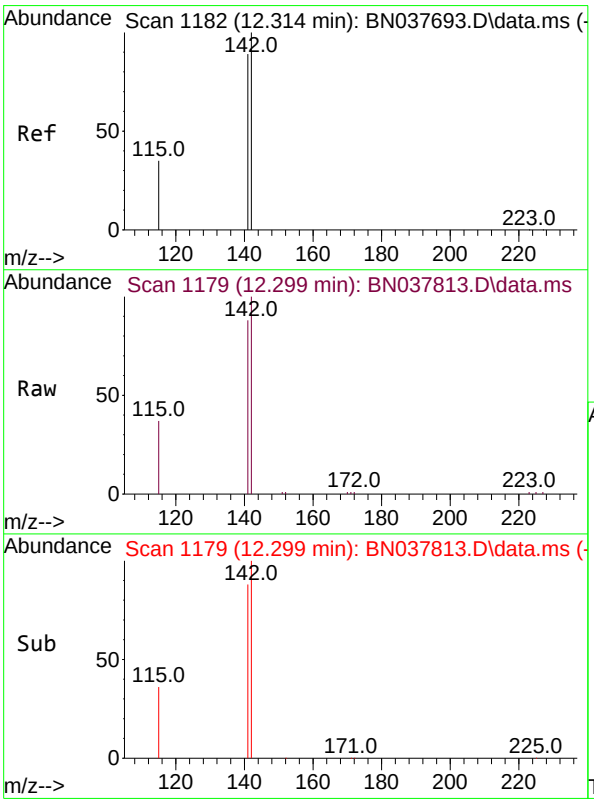
#11
2-Methylnaphthalene-d10
Concen: 0.357 ng
RT: 12.228 min Scan# 11
Delta R.T. -0.015 min
Lab File: BN037813.D
Acq: 19 Sep 2025 14:19

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 5866

Ion	Ratio	Lower	Upper
152	100		
151	21.8	17.0	25.6

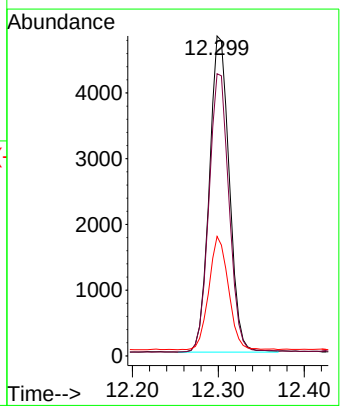


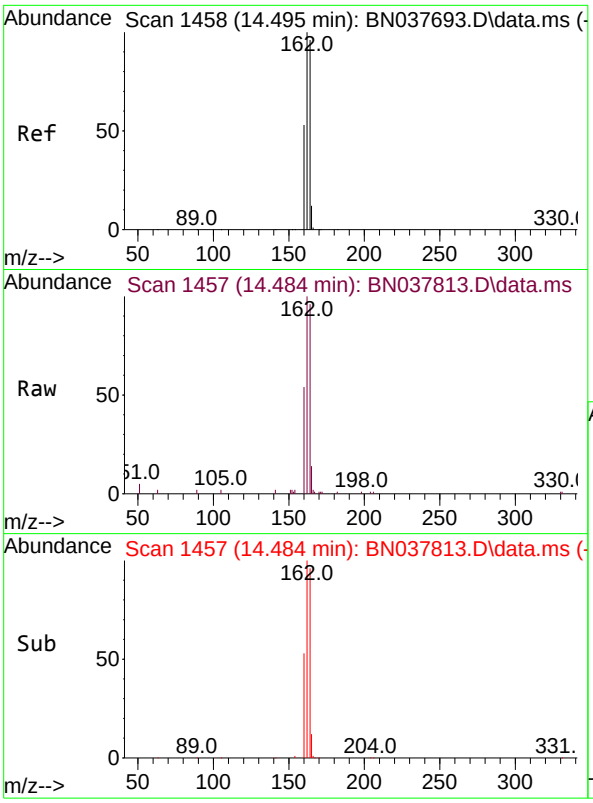


#12
2-Methylnaphthalene
Concen: 0.369 ng
RT: 12.299 min Scan# 1179
Delta R.T. -0.015 min
Lab File: BN037813.D
Acq: 19 Sep 2025 14:19

Tgt Ion:142 Resp: 7752

Ion	Ratio	Lower	Upper
142	100		
141	88.2	71.6	107.4
115	37.3	28.6	43.0



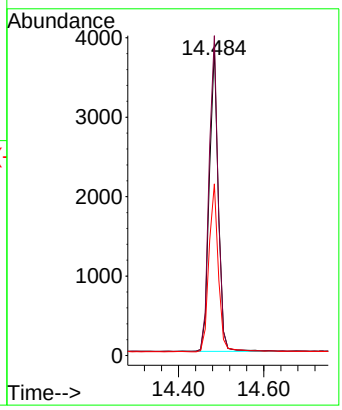


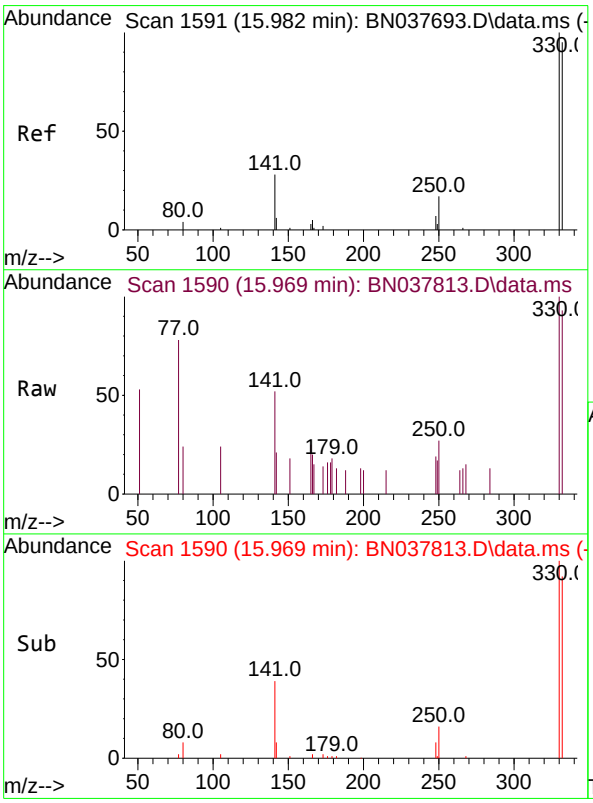
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.484 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN037813.D
Acq: 19 Sep 2025 14:19

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 5585

Ion	Ratio	Lower	Upper
164	100		
162	104.0	83.1	124.7
160	55.8	44.3	66.5

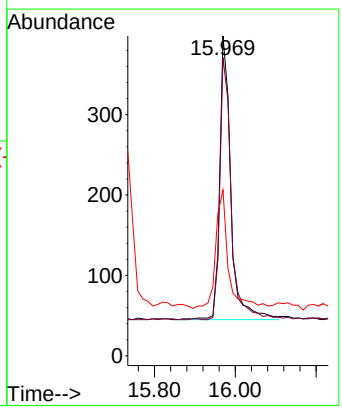


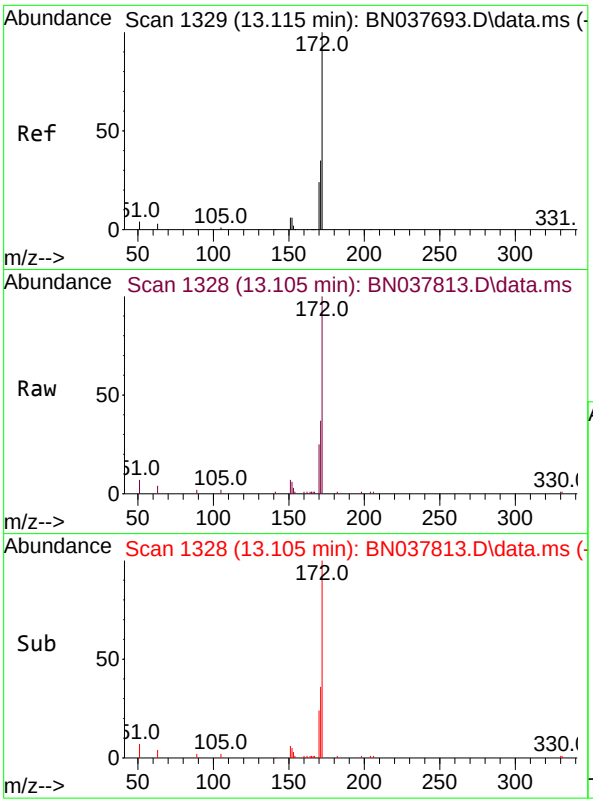


#14
2,4,6-Tribromophenol
Concen: 0.463 ng
RT: 15.969 min Scan# 1590
Delta R.T. -0.013 min
Lab File: BN037813.D
Acq: 19 Sep 2025 14:19

Tgt Ion:330 Resp: 674

Ion	Ratio	Lower	Upper
330	100		
332	94.2	75.3	112.9
141	47.2	35.0	52.4



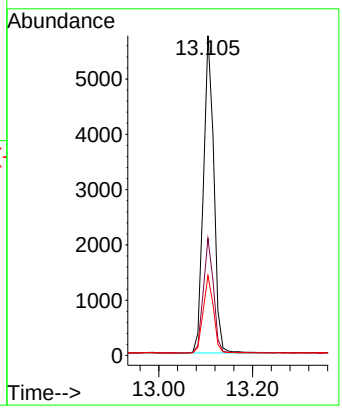


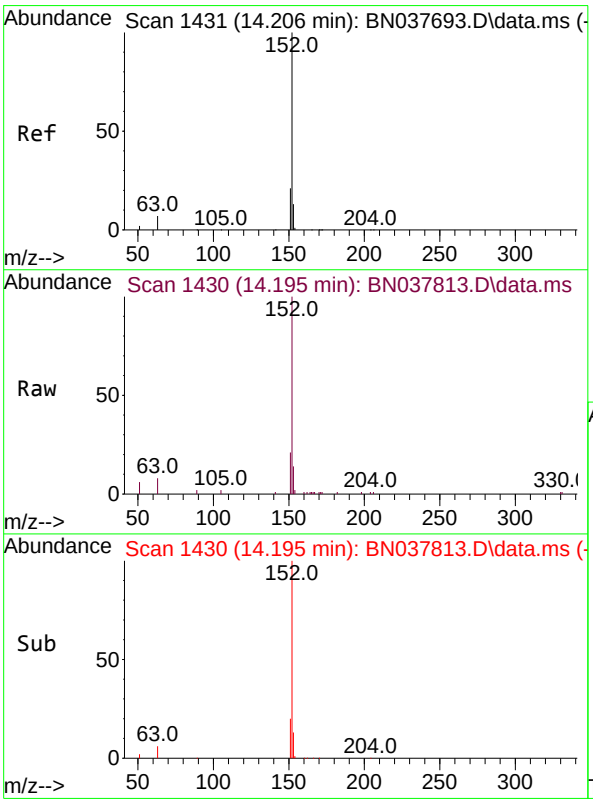
#15
2-Fluorobiphenyl
Concen: 0.380 ng
RT: 13.105 min Scan# 1
Delta R.T. -0.011 min
Lab File: BN037813.D
Acq: 19 Sep 2025 14:19

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 8872

Ion	Ratio	Lower	Upper
172	100		
171	36.6	28.6	43.0
170	25.0	19.8	29.8

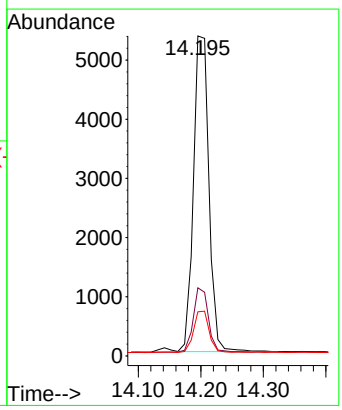


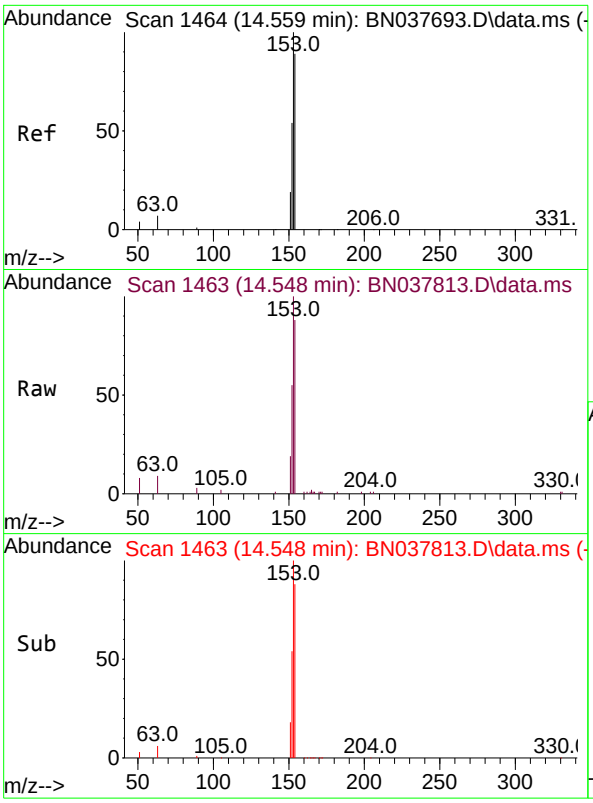


#16
Acenaphthylene
Concen: 0.358 ng
RT: 14.195 min Scan# 1430
Delta R.T. -0.011 min
Lab File: BN037813.D
Acq: 19 Sep 2025 14:19

Tgt Ion:152 Resp: 9175

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.2	24.2
153	13.4	10.4	15.6



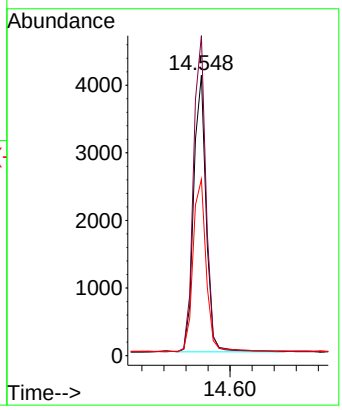


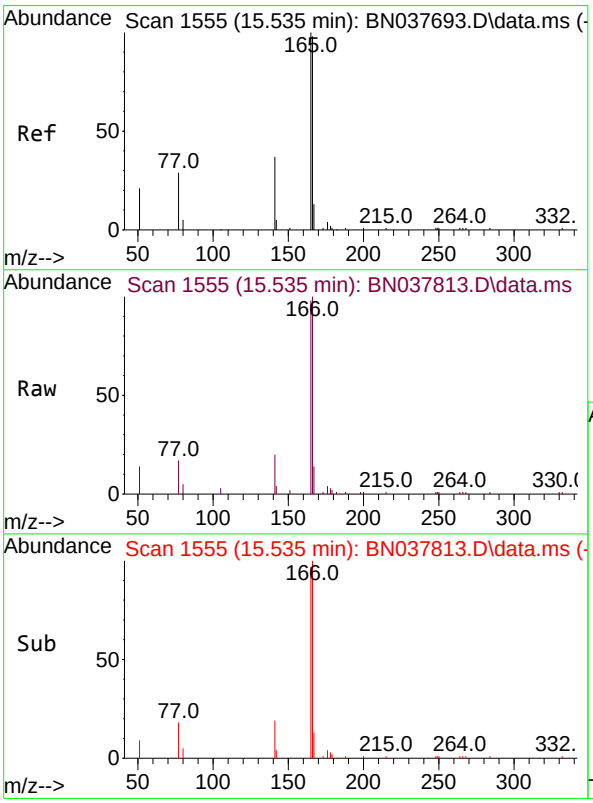
#17
Acenaphthene
Concen: 0.370 ng
RT: 14.548 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN037813.D
Acq: 19 Sep 2025 14:19

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 6415

Ion	Ratio	Lower	Upper
154	100		
153	115.7	89.8	134.8
152	65.5	50.2	75.2

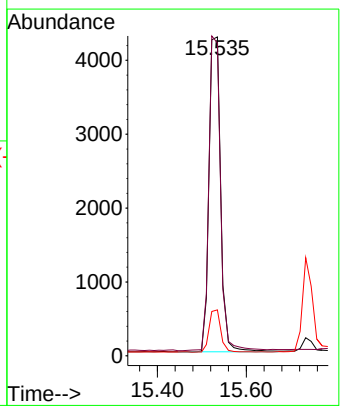


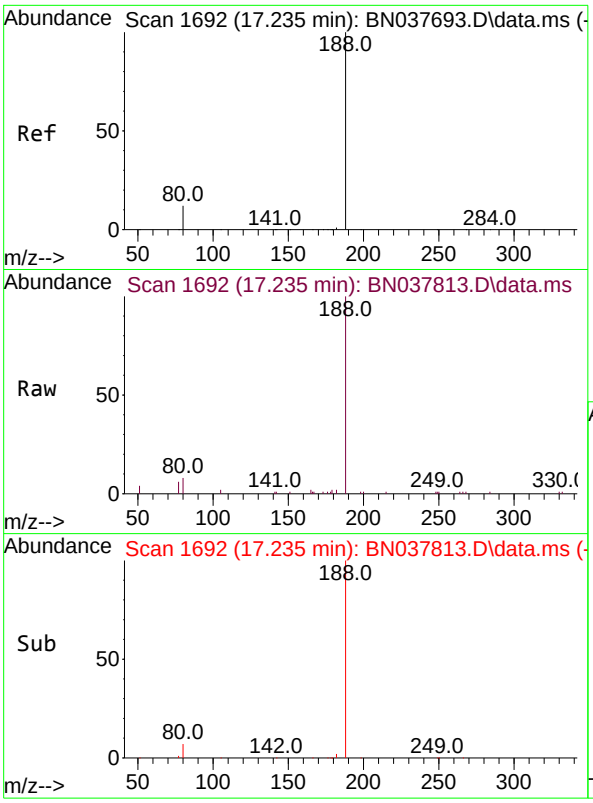


#18
Fluorene
Concen: 0.355 ng
RT: 15.535 min Scan# 1555
Delta R.T. 0.000 min
Lab File: BN037813.D
Acq: 19 Sep 2025 14:19

Tgt Ion:166 Resp: 7451

Ion	Ratio	Lower	Upper
166	100		
165	99.6	79.6	119.4
167	13.8	10.6	16.0



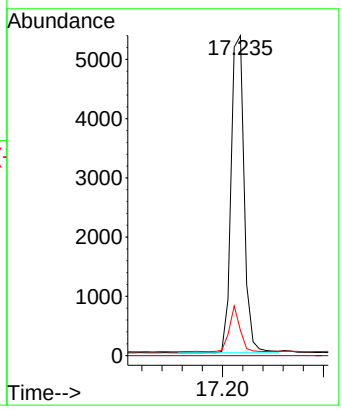


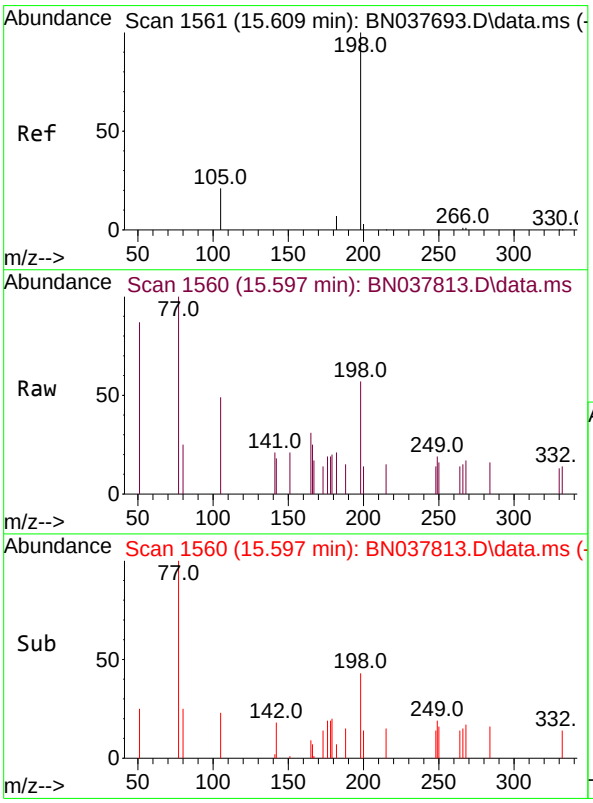
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.235 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037813.D
Acq: 19 Sep 2025 14:19

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 9638

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.9	10.6	15.8#

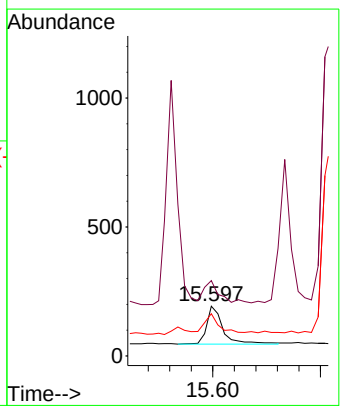


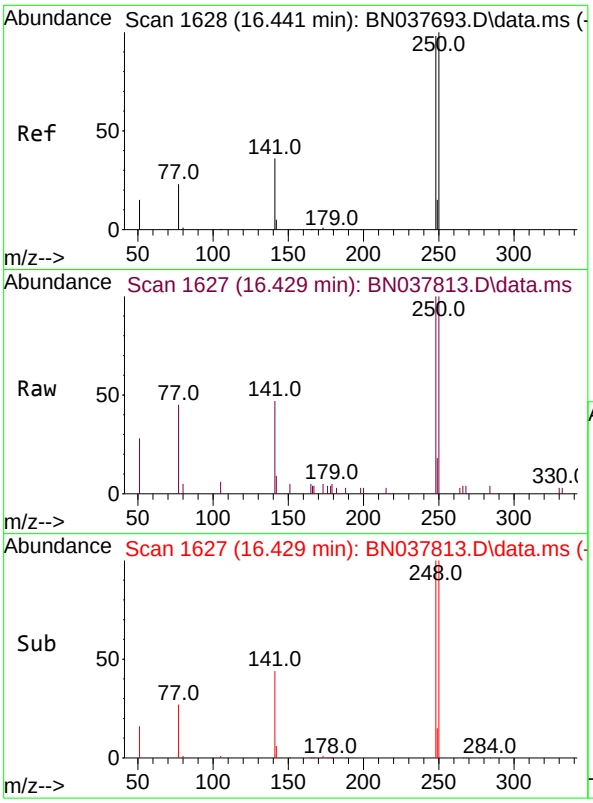


#20
4,6-Dinitro-2-methylphenol
Concen: 0.346 ng
RT: 15.597 min Scan# 1560
Delta R.T. -0.012 min
Lab File: BN037813.D
Acq: 19 Sep 2025 14:19

Tgt Ion:198 Resp: 309

Ion	Ratio	Lower	Upper
198	100		
51	151.3	95.1	142.7#
105	85.0	53.8	80.6#



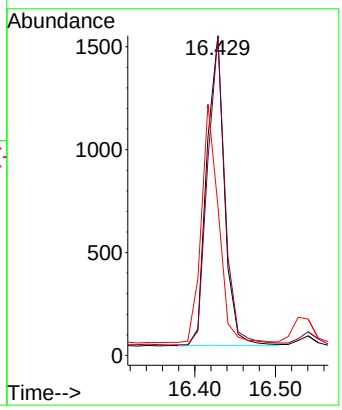


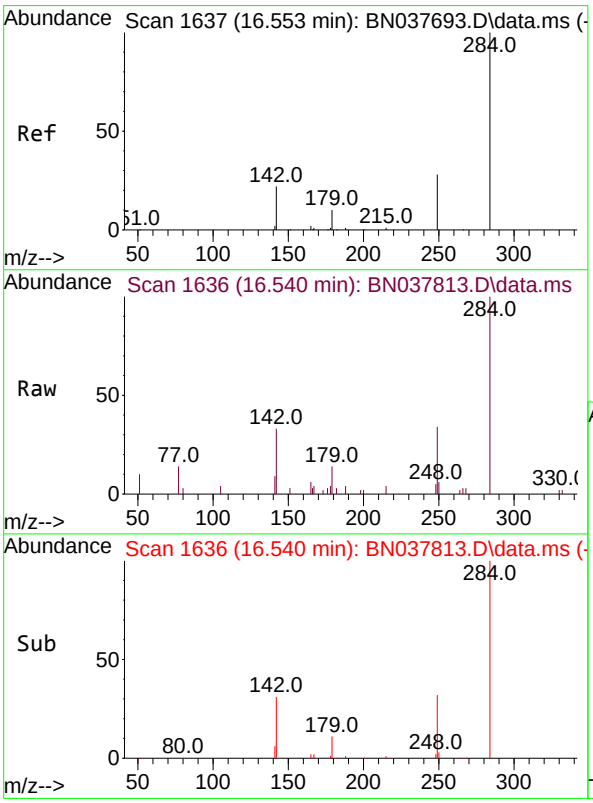
#21
4-Bromophenyl-phenylether
Concen: 0.365 ng
RT: 16.429 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037813.D
Acq: 19 Sep 2025 14:19

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:248 Resp: 2295

Ion	Ratio	Lower	Upper
248	100		
250	100.1	81.5	122.3
141	46.9	30.8	46.2#

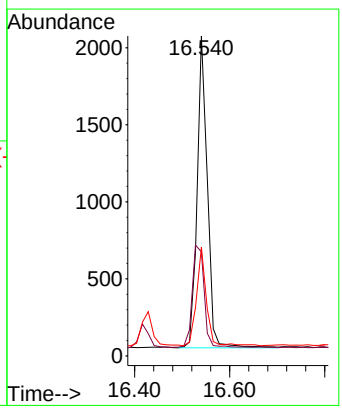


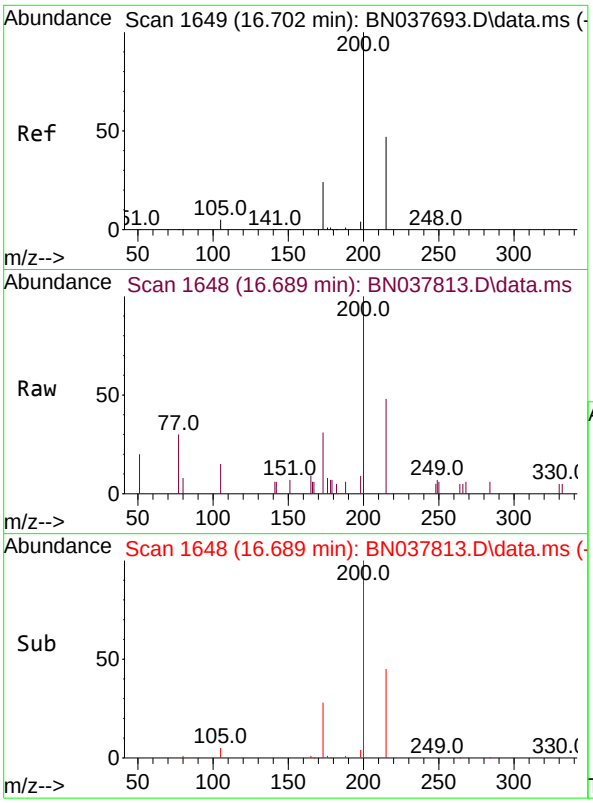


#22
Hexachlorobenzene
Concen: 0.416 ng
RT: 16.540 min Scan# 1636
Delta R.T. -0.012 min
Lab File: BN037813.D
Acq: 19 Sep 2025 14:19

Tgt Ion:284 Resp: 3006

Ion	Ratio	Lower	Upper
284	100		
142	38.9	30.9	46.3
249	28.8	24.8	37.2



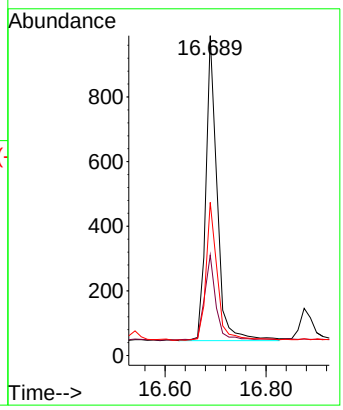


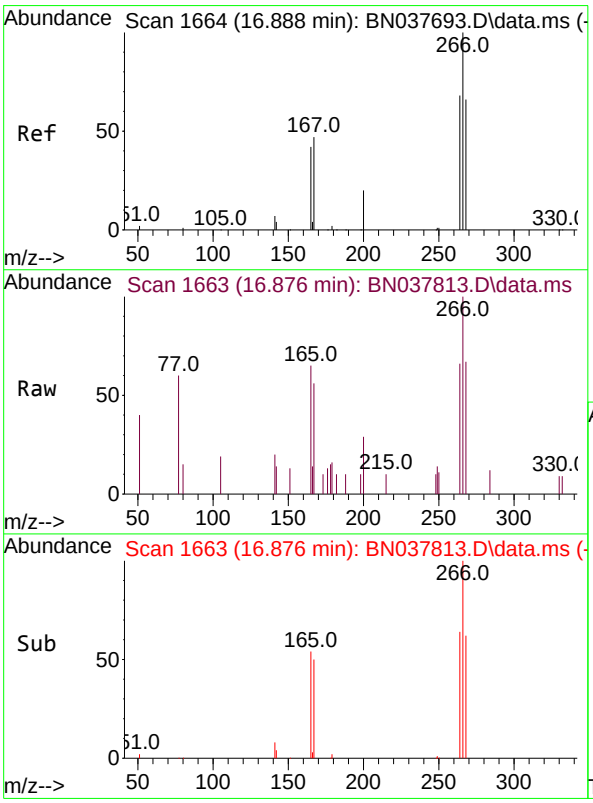
#23
Atrazine
Concen: 0.365 ng
RT: 16.689 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037813.D
Acq: 19 Sep 2025 14:19

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:200 Resp: 1460

Ion	Ratio	Lower	Upper
200	100		
173	31.4	21.4	32.2
215	47.9	39.2	58.8

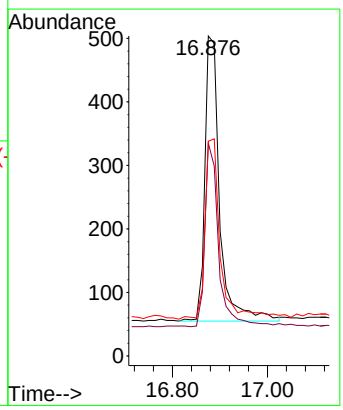


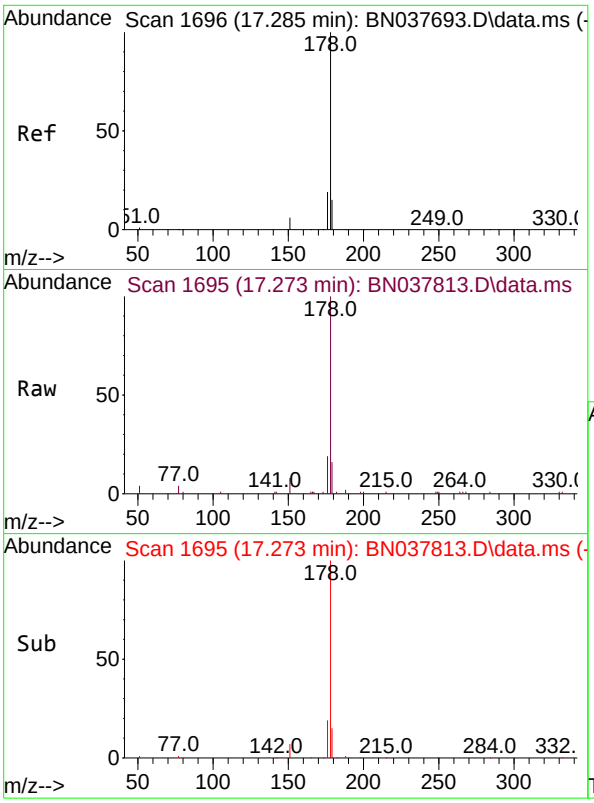


#24
Pentachlorophenol
Concen: 0.462 ng
RT: 16.876 min Scan# 1663
Delta R.T. -0.012 min
Lab File: BN037813.D
Acq: 19 Sep 2025 14:19

Tgt Ion:266 Resp: 969

Ion	Ratio	Lower	Upper
266	100		
264	59.3	51.6	77.4
268	65.4	53.2	79.8



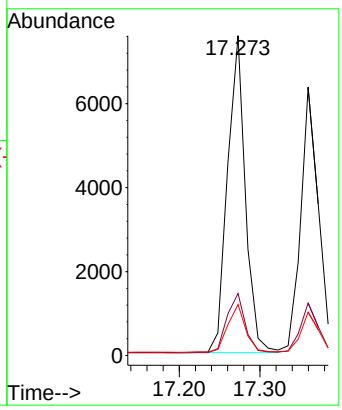


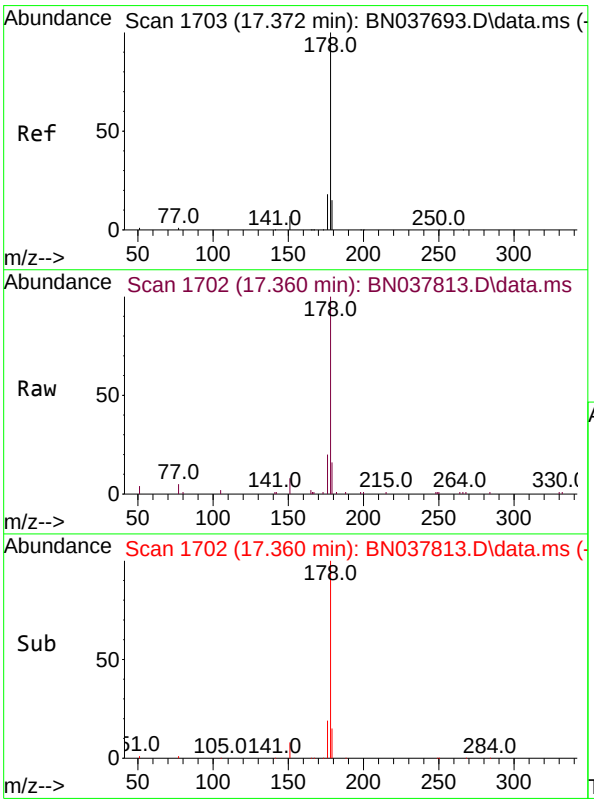
#25
Phenanthrene
Concen: 0.381 ng
RT: 17.273 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037813.D
Acq: 19 Sep 2025 14:19

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 11575

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	15.3	12.2	18.2

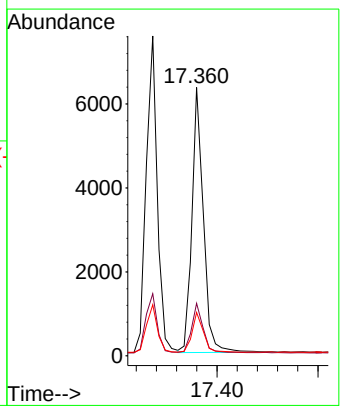


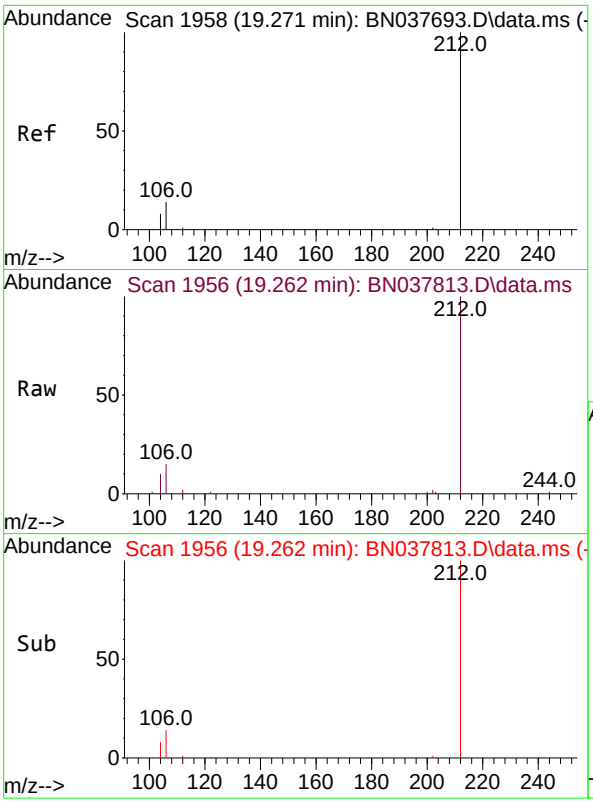


#26
Anthracene
Concen: 0.370 ng
RT: 17.360 min Scan# 1702
Delta R.T. -0.012 min
Lab File: BN037813.D
Acq: 19 Sep 2025 14:19

Tgt Ion:178 Resp: 9951

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.6	22.0
179	14.9	12.2	18.4



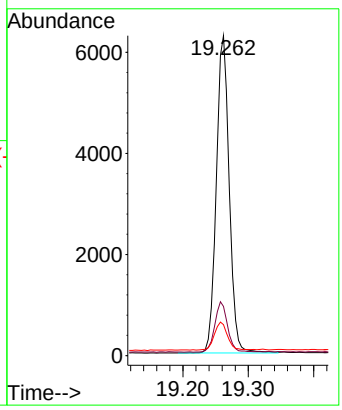


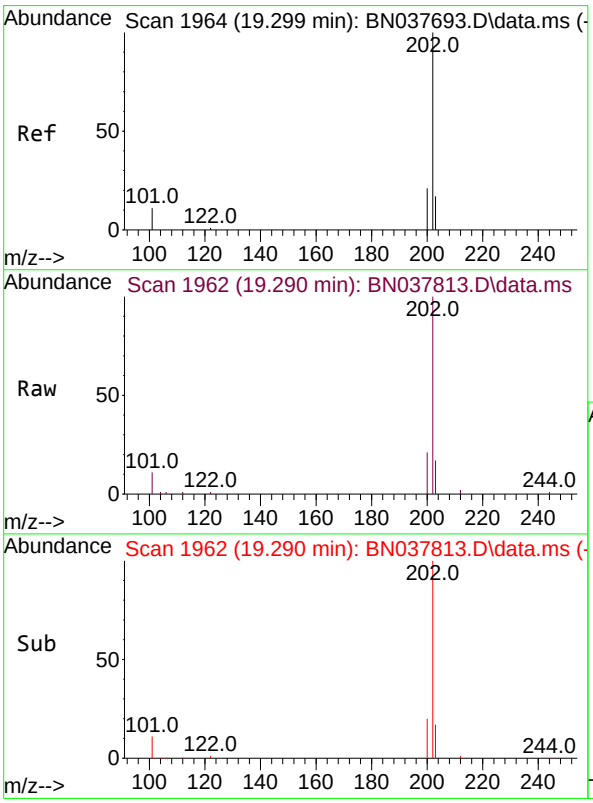
#27
Fluoranthene-d10
Concen: 0.357 ng
RT: 19.262 min Scan# 19
Delta R.T. -0.009 min
Lab File: BN037813.D
Acq: 19 Sep 2025 14:19

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 8646

Ion	Ratio	Lower	Upper
212	100		
106	15.8	12.2	18.2
104	8.9	6.9	10.3

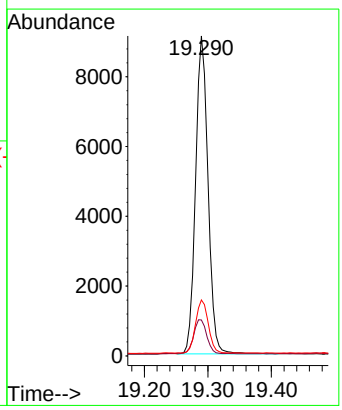


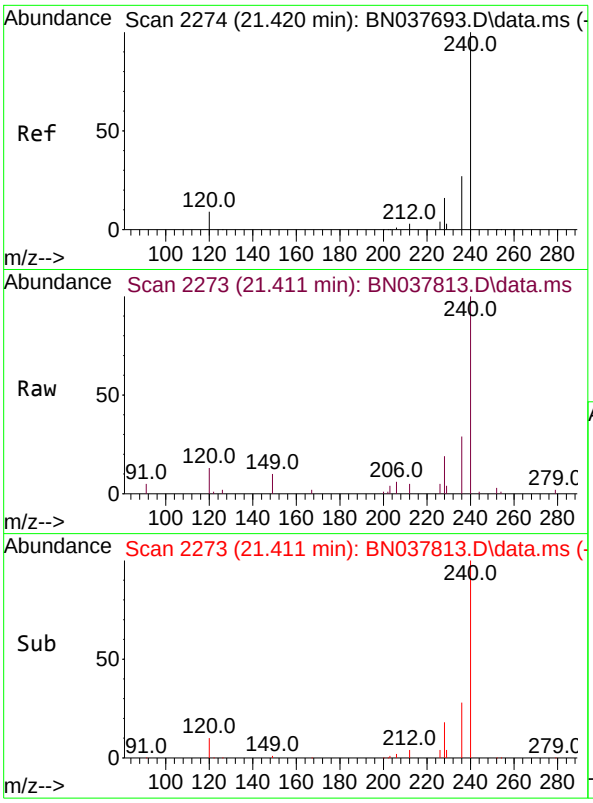


#28
Fluoranthene
Concen: 0.372 ng
RT: 19.290 min Scan# 1962
Delta R.T. -0.009 min
Lab File: BN037813.D
Acq: 19 Sep 2025 14:19

Tgt Ion:202 Resp: 12394

Ion	Ratio	Lower	Upper
202	100		
101	11.4	9.3	13.9
203	17.0	13.7	20.5



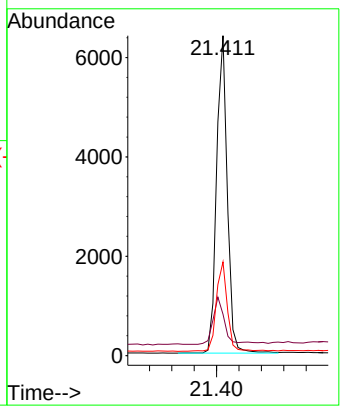


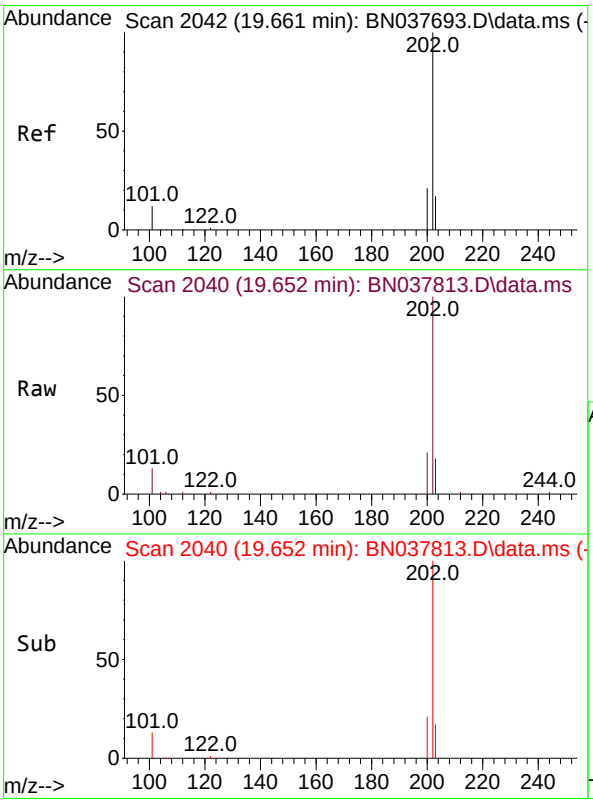
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.411 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN037813.D
Acq: 19 Sep 2025 14:19

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 8466

Ion	Ratio	Lower	Upper
240	100		
120	12.9	9.2	13.8
236	29.3	22.6	33.8

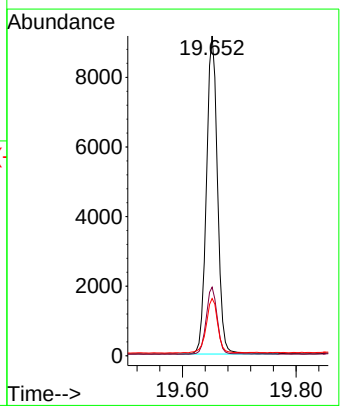


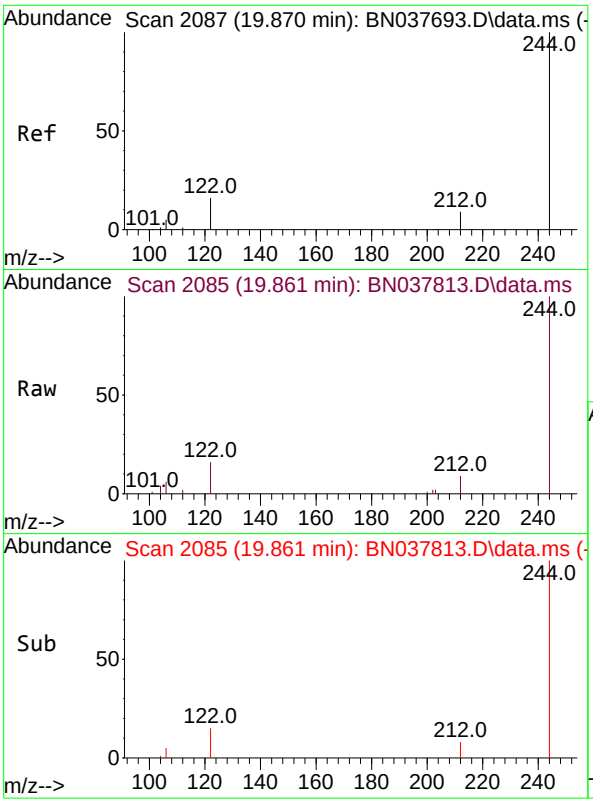


#30
Pyrene
Concen: 0.372 ng
RT: 19.652 min Scan# 2040
Delta R.T. -0.009 min
Lab File: BN037813.D
Acq: 19 Sep 2025 14:19

Tgt Ion:202 Resp: 12322

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.8	25.2
203	17.6	14.3	21.5



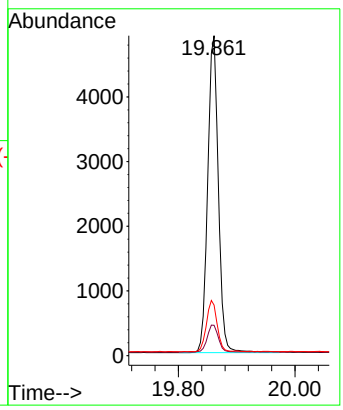


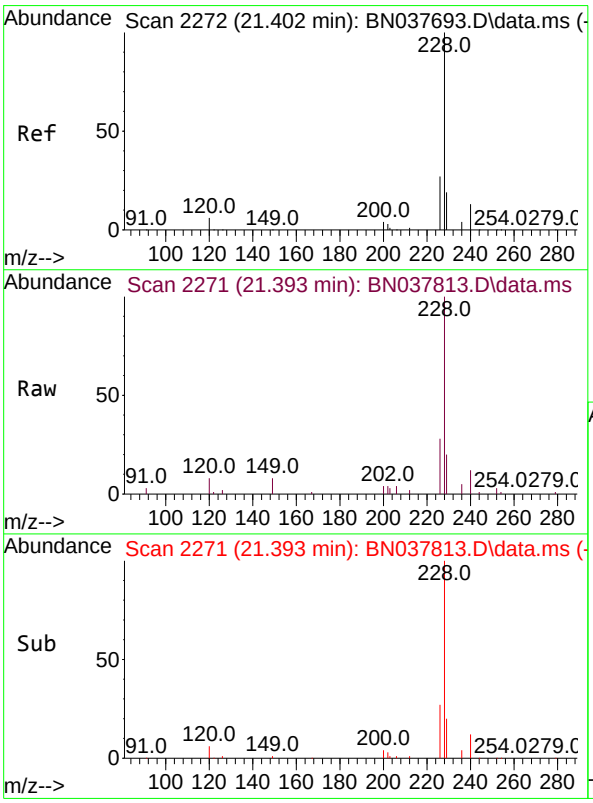
#31
Terphenyl-d14
Concen: 0.360 ng
RT: 19.861 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037813.D
Acq: 19 Sep 2025 14:19

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 6183

Ion	Ratio	Lower	Upper
244	100		
212	9.5	7.5	11.3
122	15.8	13.2	19.8

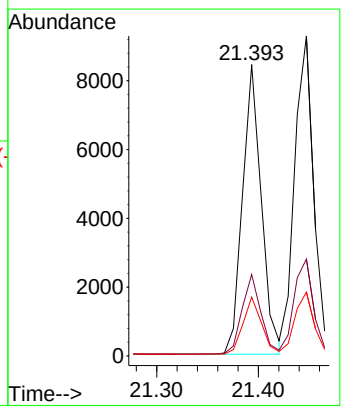


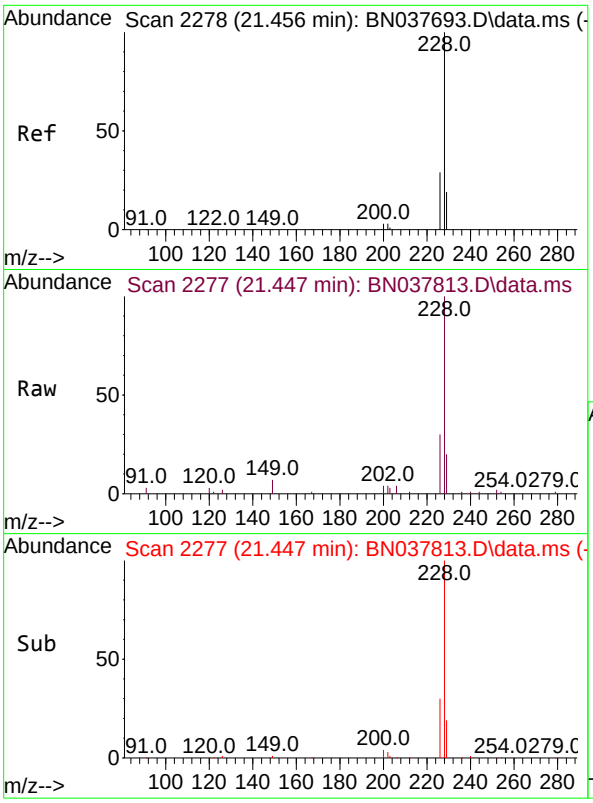


#32
Benzo(a)anthracene
Concen: 0.367 ng
RT: 21.393 min Scan# 2271
Delta R.T. -0.009 min
Lab File: BN037813.D
Acq: 19 Sep 2025 14:19

Tgt Ion:228 Resp: 10829

Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.2	33.2
229	20.2	15.8	23.6



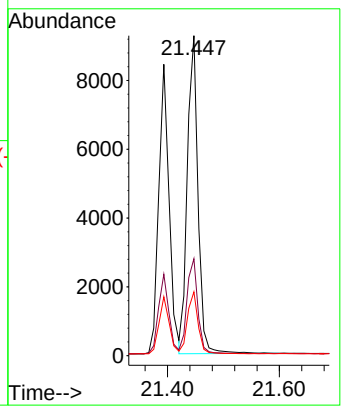


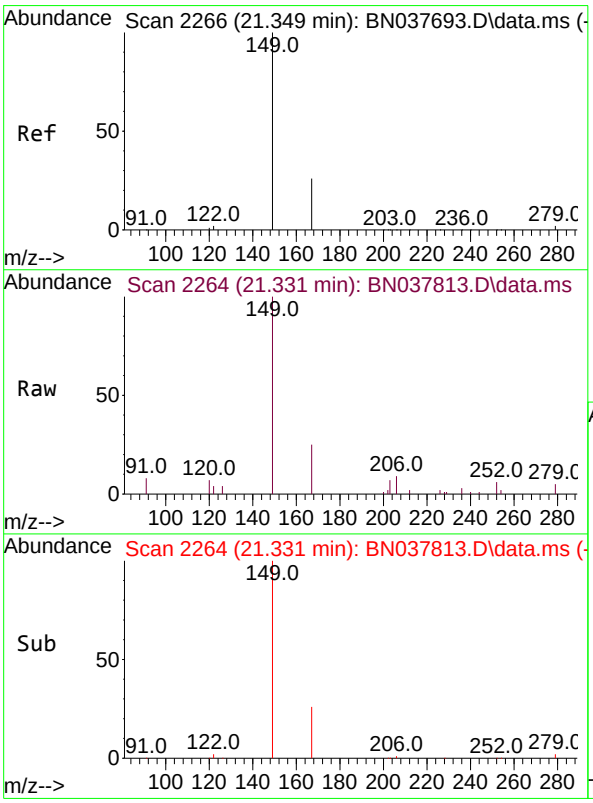
#33
Chrysene
Concen: 0.387 ng
RT: 21.447 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037813.D
Acq: 19 Sep 2025 14:19

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 12256

Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.5	35.3
229	19.9	15.9	23.9

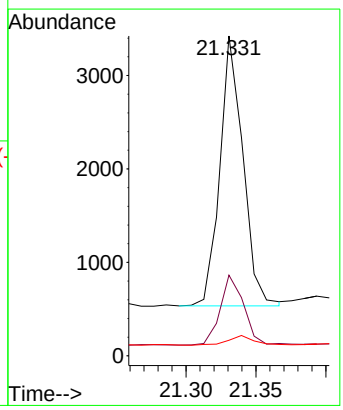


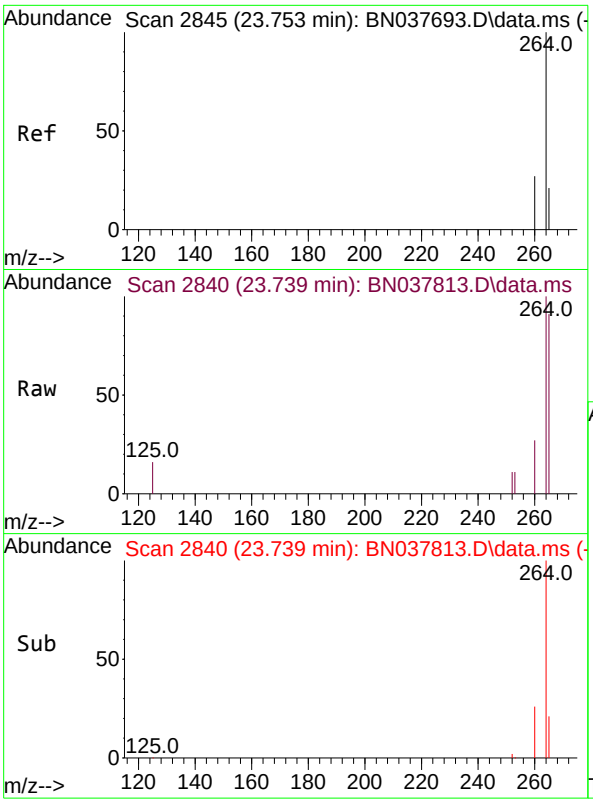


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.379 ng
RT: 21.331 min Scan# 2264
Delta R.T. -0.018 min
Lab File: BN037813.D
Acq: 19 Sep 2025 14:19

Tgt Ion:149 Resp: 3318

Ion	Ratio	Lower	Upper
149	100		
167	26.8	20.8	31.2
279	4.2	3.3	4.9



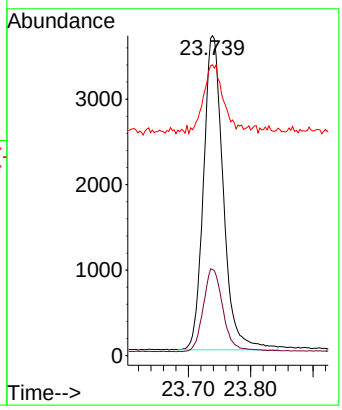


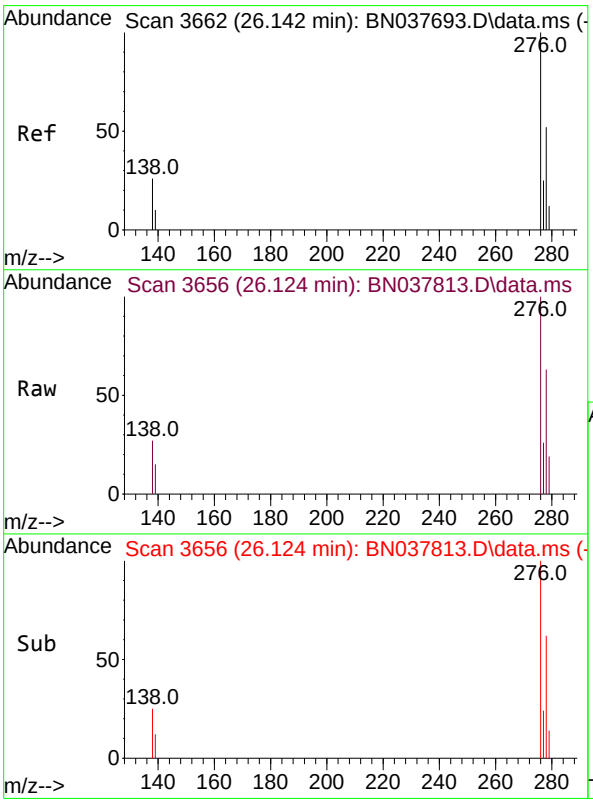
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.739 min Scan# 28
Delta R.T. -0.015 min
Lab File: BN037813.D
Acq: 19 Sep 2025 14:19

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:264 Resp: 8084

Ion	Ratio	Lower	Upper
264	100		
260	26.9	21.8	32.8
265	90.9	39.4	59.2#

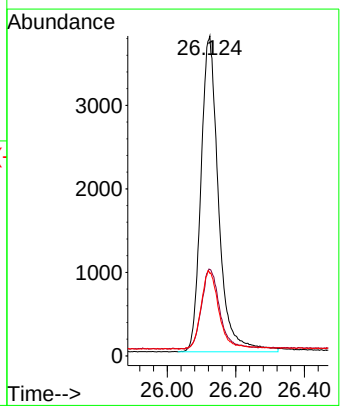


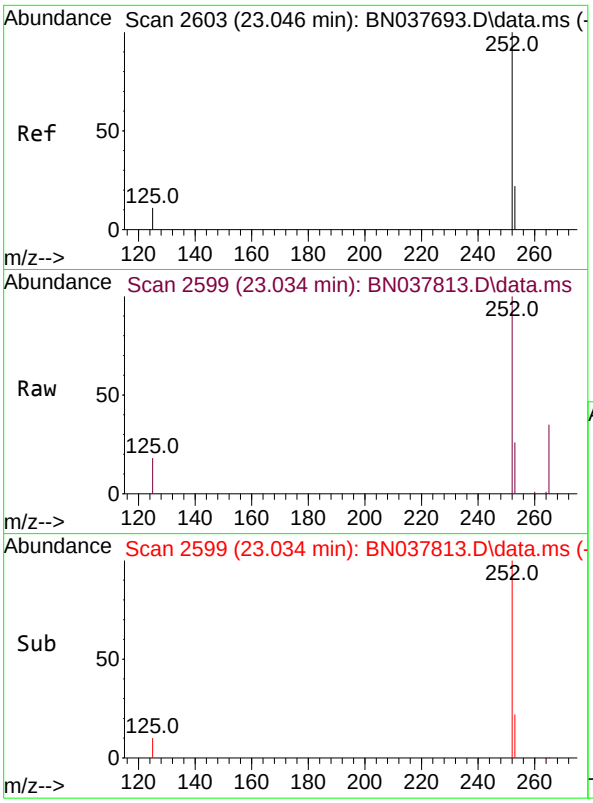


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.398 ng
RT: 26.124 min Scan# 3656
Delta R.T. -0.018 min
Lab File: BN037813.D
Acq: 19 Sep 2025 14:19

Tgt Ion:276 Resp: 13502

Ion	Ratio	Lower	Upper
276	100		
138	26.0	21.9	32.9
277	24.9	20.1	30.1



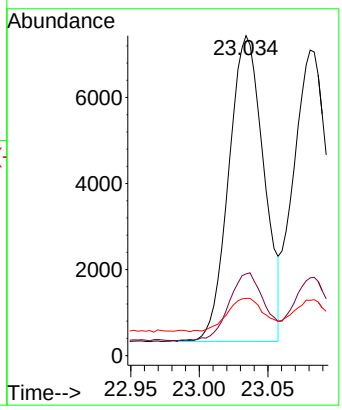


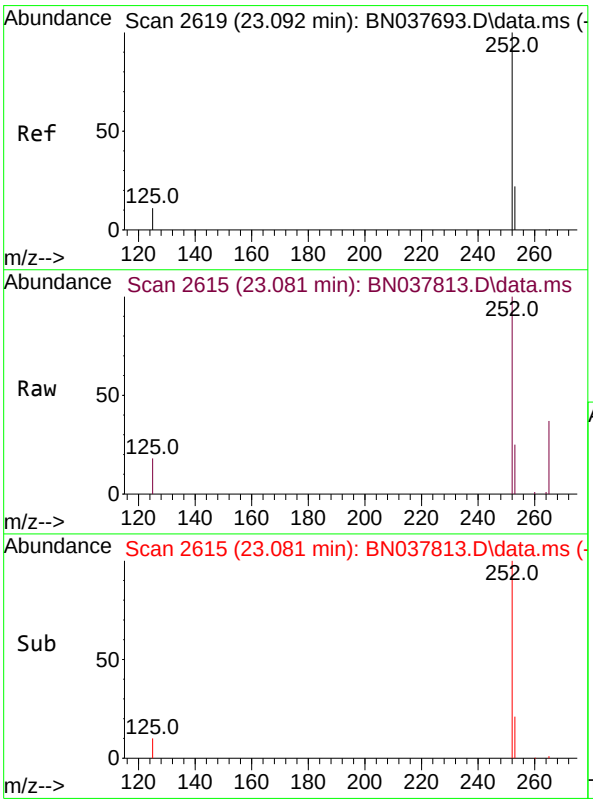
#37
Benzo(b)fluoranthene
Concen: 0.397 ng
RT: 23.034 min Scan# 2
Delta R.T. -0.012 min
Lab File: BN037813.D
Acq: 19 Sep 2025 14:19

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 12627

Ion	Ratio	Lower	Upper
252	100		
253	25.5	19.4	29.2
125	17.9	11.2	16.8#

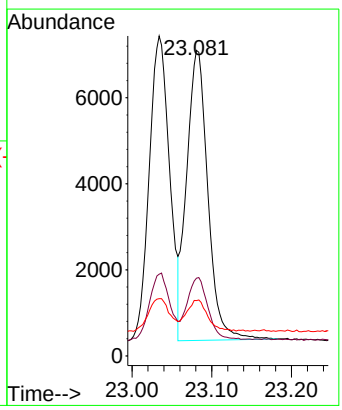


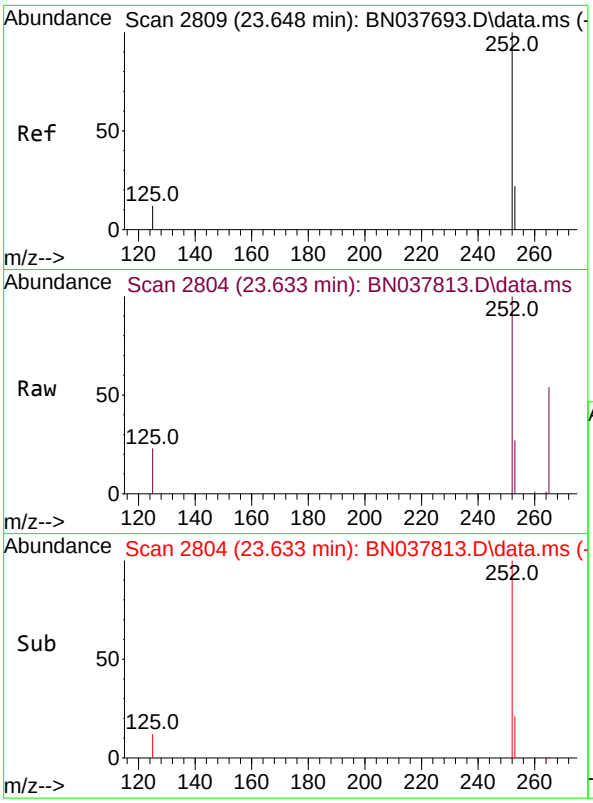


#38
Benzo(k)fluoranthene
Concen: 0.384 ng
RT: 23.081 min Scan# 2615
Delta R.T. -0.012 min
Lab File: BN037813.D
Acq: 19 Sep 2025 14:19

Tgt Ion:252 Resp: 12470

Ion	Ratio	Lower	Upper
252	100		
253	25.4	19.4	29.0
125	18.1	11.6	17.4#



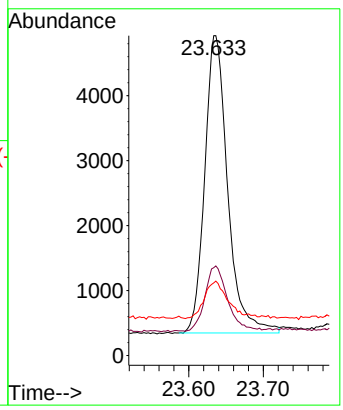


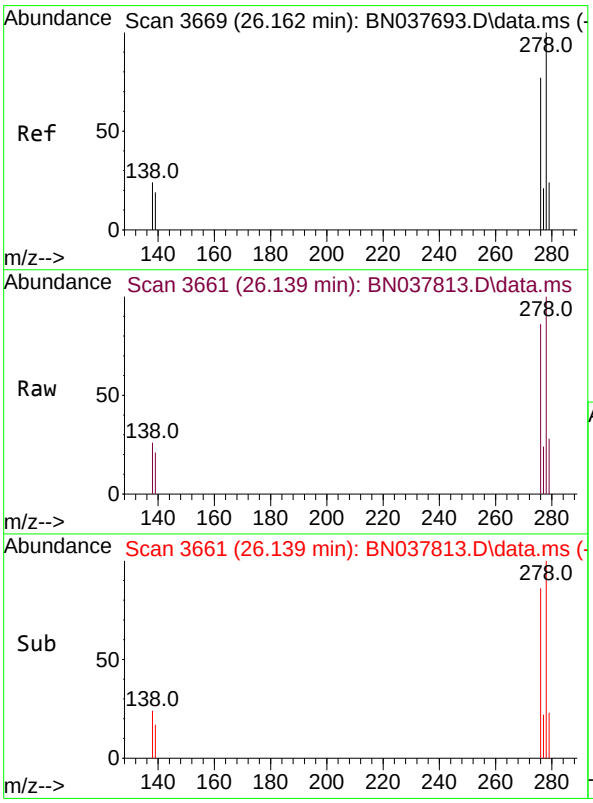
#39
Benzo(a)pyrene
Concen: 0.384 ng
RT: 23.633 min Scan# 28
Delta R.T. -0.015 min
Lab File: BN037813.D
Acq: 19 Sep 2025 14:19

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 9793

Ion	Ratio	Lower	Upper
252	100		
253	27.5	20.8	31.2
125	22.7	13.9	20.9#

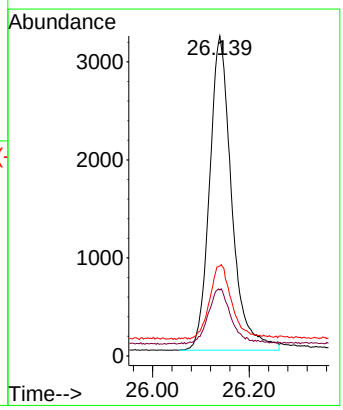


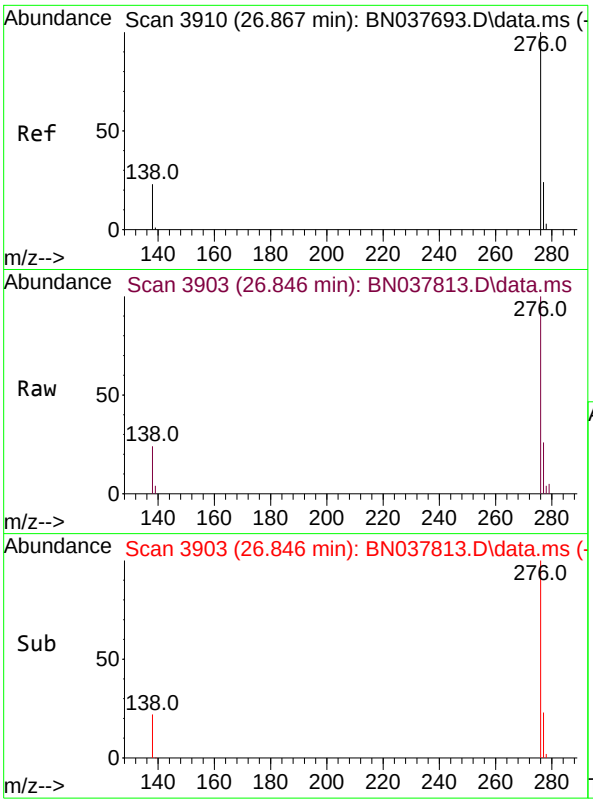


#40
Dibenzo(a,h)anthracene
Concen: 0.376 ng
RT: 26.139 min Scan# 3661
Delta R.T. -0.023 min
Lab File: BN037813.D
Acq: 19 Sep 2025 14:19

Tgt Ion:278 Resp: 10208

Ion	Ratio	Lower	Upper
278	100		
139	20.6	17.8	26.6
279	28.1	22.0	33.0



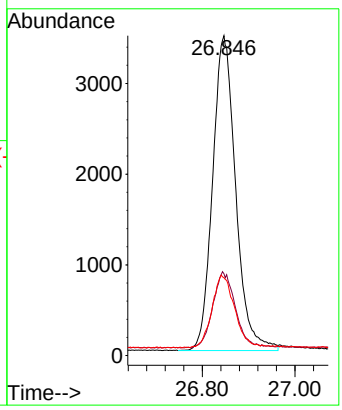


#41
Benzo(g,h,i)perylene
Concen: 0.395 ng
RT: 26.846 min Scan# 3
Delta R.T. -0.020 min
Lab File: BN037813.D
Acq: 19 Sep 2025 14:19

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 12010

Ion	Ratio	Lower	Upper
276	100		
277	25.6	20.6	31.0
138	24.3	20.2	30.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091925\
Data File : BN037813.D
Acq On : 19 Sep 2025 14:19
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Quant Time: Sep 19 15:09:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	96	0.00
2		1,4-Dioxane	0.417	0.410	1.7	94	0.00
3		n-Nitrosodimethylamine	0.544	0.482	11.4	82	0.00
4	S	2-Fluorophenol	0.918	0.947	-3.2	102	0.00
5	S	Phenol-d6	1.191	1.079	9.4	90	0.00
6		bis(2-Chloroethyl)ether	1.064	0.997	6.3	90	0.00
7	I	Naphthalene-d8	1.000	1.000	0.0	94	-0.01
8	S	Nitrobenzene-d5	0.293	0.284	3.1	94	-0.01
9		Naphthalene	1.093	1.055	3.5	92	-0.01
10		Hexachlorobutadiene	0.198	0.193	2.5	92	-0.02
11	SURR	2-Methylnaphthalene-d10	0.530	0.473	10.8	89	-0.02
12		2-Methylnaphthalene	0.676	0.625	7.5	89	-0.02
13	I	Acenaphthene-d10	1.000	1.000	0.0	90	-0.01
14	S	2,4,6-Tribromophenol	0.104	0.121	-16.3	108	-0.01
15	S	2-Fluorobiphenyl	1.673	1.589	5.0	87	-0.01
16		Acenaphthylene	1.834	1.643	10.4	83	-0.01
17		Acenaphthene	1.240	1.149	7.3	85	-0.01
18		Fluorene	1.502	1.334	11.2	83	0.00
19	I	Phenanthrene-d10	1.000	1.000	0.0	86	0.00
20		4,6-Dinitro-2-methylphenol	0.037	0.032	13.5	83	-0.01
21		4-Bromophenyl-phenylether	0.261	0.238	8.8	81	-0.01
22		Hexachlorobenzene	0.300	0.312	-4.0	91	-0.01
23		Atrazine	0.166	0.151	9.0	86	-0.01
24		Pentachlorophenol	0.087	0.101	-16.1	115	-0.01
25		Phenanthrene	1.259	1.201	4.6	84	-0.01
26		Anthracene	1.116	1.032	7.5	83	-0.01
27	SURR	Fluoranthene-d10	1.004	0.897	10.7	82	0.00
28		Fluoranthene	1.381	1.286	6.9	84	0.00
29	I	Chrysene-d12	1.000	1.000	0.0	90	0.00
30		Pyrene	1.566	1.455	7.1	84	0.00
31	S	Terphenyl-d14	0.812	0.730	10.1	82	0.00
32		Benzo(a)anthracene	1.395	1.279	8.3	86	0.00
33		Chrysene	1.496	1.448	3.2	87	0.00
34		Bis(2-ethylhexyl)phthalate	0.414	0.392	5.3	94	-0.02
35	I	Perylene-d12	1.000	1.000	0.0	90	-0.01
36		Indeno(1,2,3-cd)pyrene	1.681	1.670	0.7	98	-0.02
37		Benzo(b)fluoranthene	1.575	1.562	0.8	91	-0.01
38		Benzo(k)fluoranthene	1.606	1.543	3.9	91	-0.01
39	C	Benzo(a)pyrene	1.261	1.211	4.0	91	-0.01
40		Dibenzo(a,h)anthracene	1.342	1.263	5.9	94	-0.02
41		Benzo(g,h,i)perylene	1.506	1.486	1.3	92	-0.02

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091925\
Data File : BN037813.D
Acq On : 19 Sep 2025 14:19
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Quant Time: Sep 19 15:09:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	0.400	0.400	0.0	96	0.00
2		1,4-Dioxane	0.400	0.394	1.5	94	0.00
3		n-Nitrosodimethylamine	0.400	0.354	11.5	82	0.00
4	S	2-Fluorophenol	0.400	0.412	-3.0	102	0.00
5	S	Phenol-d6	0.400	0.362	9.5	90	0.00
6		bis(2-Chloroethyl)ether	0.400	0.375	6.3	90	0.00
7	I	Naphthalene-d8	0.400	0.400	0.0	94	-0.01
8	S	Nitrobenzene-d5	0.400	0.388	3.0	94	-0.01
9		Naphthalene	0.400	0.386	3.5	92	-0.01
10		Hexachlorobutadiene	0.400	0.391	2.3	92	-0.02
11	SURR	2-Methylnaphthalene-d10	0.400	0.357	10.8	89	-0.02
12		2-Methylnaphthalene	0.400	0.369	7.8	89	-0.02
13	I	Acenaphthene-d10	0.400	0.400	0.0	90	-0.01
14	S	2,4,6-Tribromophenol	0.400	0.463	-15.8	108	-0.01
15	S	2-Fluorobiphenyl	0.400	0.380	5.0	87	-0.01
16		Acenaphthylene	0.400	0.358	10.5	83	-0.01
17		Acenaphthene	0.400	0.370	7.5	85	-0.01
18		Fluorene	0.400	0.355	11.3	83	0.00
19	I	Phenanthrene-d10	0.400	0.400	0.0	86	0.00
20		4,6-Dinitro-2-methylphenol	0.400	0.346	13.5	83	-0.01
21		4-Bromophenyl-phenylether	0.400	0.365	8.8	81	-0.01
22		Hexachlorobenzene	0.400	0.416	-4.0	91	-0.01
23		Atrazine	0.400	0.365	8.8	86	-0.01
24		Pentachlorophenol	0.400	0.462	-15.5	115	-0.01
25		Phenanthrene	0.400	0.381	4.8	84	-0.01
26		Anthracene	0.400	0.370	7.5	83	-0.01
27	SURR	Fluoranthene-d10	0.400	0.357	10.8	82	0.00
28		Fluoranthene	0.400	0.372	7.0	84	0.00
29	I	Chrysene-d12	0.400	0.400	0.0	90	0.00
30		Pyrene	0.400	0.372	7.0	84	0.00
31	S	Terphenyl-d14	0.400	0.360	10.0	82	0.00
32		Benzo(a)anthracene	0.400	0.367	8.3	86	0.00
33		Chrysene	0.400	0.387	3.3	87	0.00
34		Bis(2-ethylhexyl)phthalate	0.400	0.379	5.3	94	-0.02
35	I	Perylene-d12	0.400	0.400	0.0	90	-0.01
36		Indeno(1,2,3-cd)pyrene	0.400	0.398	0.5	98	-0.02
37		Benzo(b)fluoranthene	0.400	0.397	0.8	91	-0.01
38		Benzo(k)fluoranthene	0.400	0.384	4.0	91	-0.01
39	C	Benzo(a)pyrene	0.400	0.384	4.0	91	-0.01
40		Dibenzo(a,h)anthracene	0.400	0.376	6.0	94	-0.02
41		Benzo(g,h,i)perylene	0.400	0.395	1.3	92	-0.02

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

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO15

Lab Code: ACE SDG No.: Q3095

Instrument ID: BNA_N Calibration Date/Time: 09/20/2025 00:39

Lab File ID: BN037830.D Init. Calib. Date(s): 09/11/2025 09/11/2025

EPA Sample No.: SSTDCCC0.4EC Init. Calib. Time(s): 09:56 13:33

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.530	0.471		-11.1	50.0
Fluoranthene-d10	1.004	0.971		-3.3	50.0
2-Fluorophenol	0.918	0.830		-9.6	50.0
Phenol-d6	1.191	1.088		-8.6	50.0
Nitrobenzene-d5	0.293	0.282		-3.8	50.0
2-Fluorobiphenyl	1.673	1.621		-3.1	50.0
2,4,6-Tribromophenol	0.104	0.105		1.0	50.0
Terphenyl-d14	0.812	0.741		-8.7	50.0
1,4-Dioxane	0.417	0.395		-5.3	50.0

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091925\
Data File : BN037830.D
Acq On : 20 Sep 2025 00:39
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Quant Time: Sep 20 01:04:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

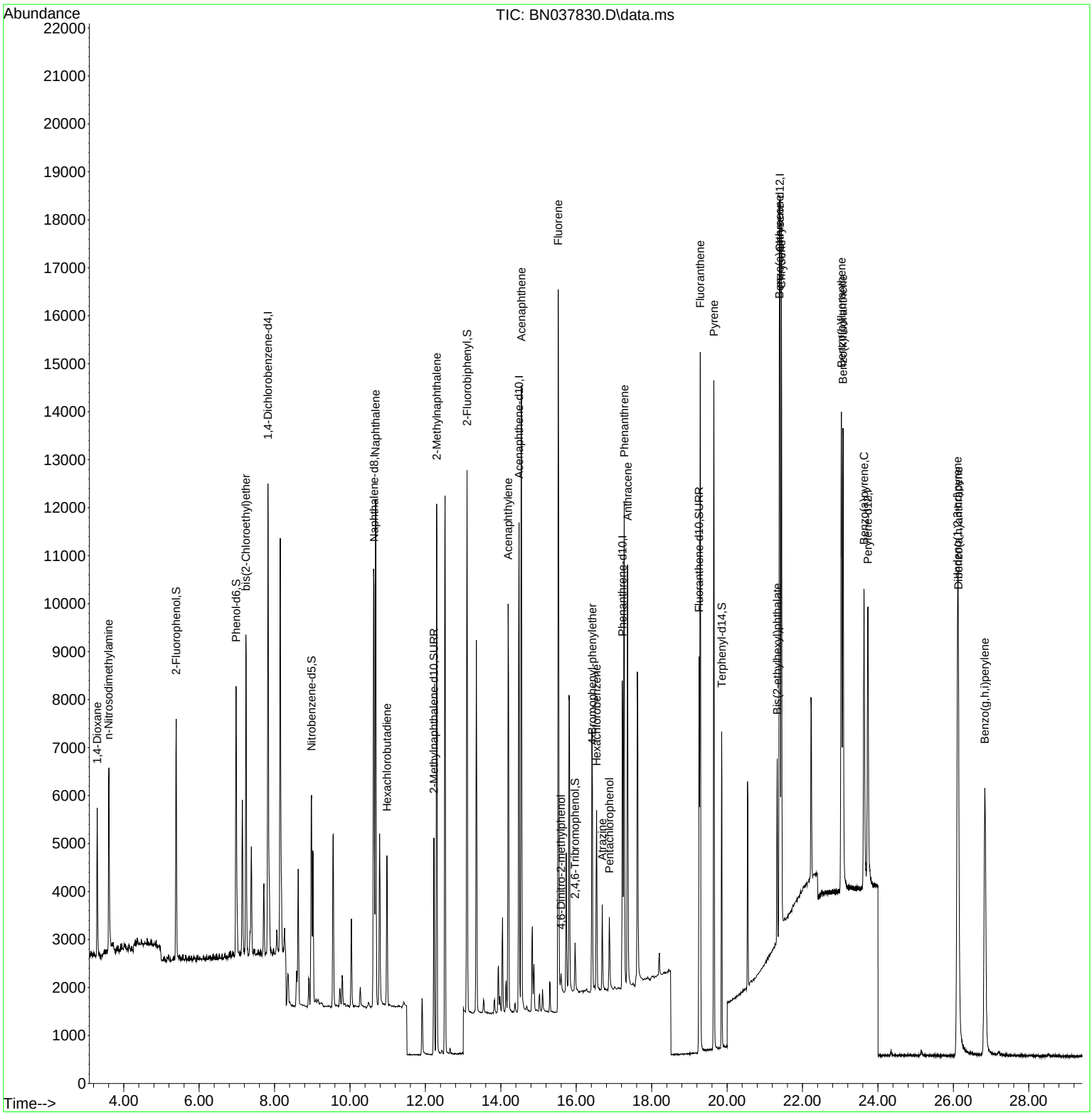
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.826	152	4763	0.400	ng		-0.01
7) Naphthalene-d8	10.637	136	12882	0.400	ng		#-0.01
13) Acenaphthene-d10	14.484	164	5757	0.400	ng		-0.01
19) Phenanthrene-d10	17.223	188	9339	0.400	ng		-0.01
29) Chrysene-d12	21.402	240	8425	0.400	ng		#-0.02
35) Perylene-d12	23.733	264	8348	0.400	ng		#-0.02
System Monitoring Compounds							
4) 2-Fluorophenol	5.392	112	3952	0.361	ng		0.00
5) Phenol-d6	6.981	99	5181	0.365	ng		0.00
8) Nitrobenzene-d5	8.982	82	3636	0.386	ng		-0.01
11) 2-Methylnaphthalene-d10	12.228	152	6061	0.355	ng		-0.02
14) 2,4,6-Tribromophenol	15.969	330	607	0.404	ng		-0.01
15) 2-Fluorobiphenyl	13.105	172	9332	0.388	ng		-0.01
27) Fluoranthene-d10	19.257	212	9064	0.387	ng		-0.01
31) Terphenyl-d14	19.857	244	6240	0.365	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.297	88	1880	0.379	ng		98
3) n-Nitrosodimethylamine	3.601	42	2585	0.399	ng		97
6) bis(2-Chloroethyl)ether	7.241	93	4760	0.376	ng		98
9) Naphthalene	10.680	128	13409	0.381	ng		100
10) Hexachlorobutadiene	10.979	225	2479	0.389	ng	#	100
12) 2-Methylnaphthalene	12.299	142	8063	0.370	ng		99
16) Acenaphthylene	14.195	152	9766	0.370	ng		99
17) Acenaphthene	14.548	154	6828	0.382	ng		98
18) Fluorene	15.523	166	7620	0.352	ng		99
20) 4,6-Dinitro-2-methylph...	15.597	198	257	0.297	ng	#	79
21) 4-Bromophenyl-phenylether	16.429	248	2332	0.383	ng		98
22) Hexachlorobenzene	16.540	284	2969	0.424	ng		99
23) Atrazine	16.689	200	1399	0.361	ng		96
24) Pentachlorophenol	16.876	266	830	0.408	ng		95
25) Phenanthrene	17.273	178	11247	0.383	ng		99
26) Anthracene	17.360	178	9601	0.369	ng		99
28) Fluoranthene	19.290	202	12968	0.402	ng		100
30) Pyrene	19.647	202	12812	0.388	ng		100
32) Benzo(a)anthracene	21.384	228	10867	0.370	ng		98
33) Chrysene	21.438	228	12584	0.399	ng		98
34) Bis(2-ethylhexyl)phtha...	21.331	149	3605	0.414	ng		99
36) Indeno(1,2,3-cd)pyrene	26.110	276	14316	0.408	ng		99
37) Benzo(b)fluoranthene	23.031	252	13207	0.402	ng	#	94
38) Benzo(k)fluoranthene	23.075	252	13139	0.392	ng	#	95
39) Benzo(a)pyrene	23.630	252	10193	0.387	ng	#	92
40) Dibenzo(a,h)anthracene	26.133	278	11121	0.397	ng		99
41) Benzo(g,h,i)perylene	26.835	276	12456	0.396	ng		99

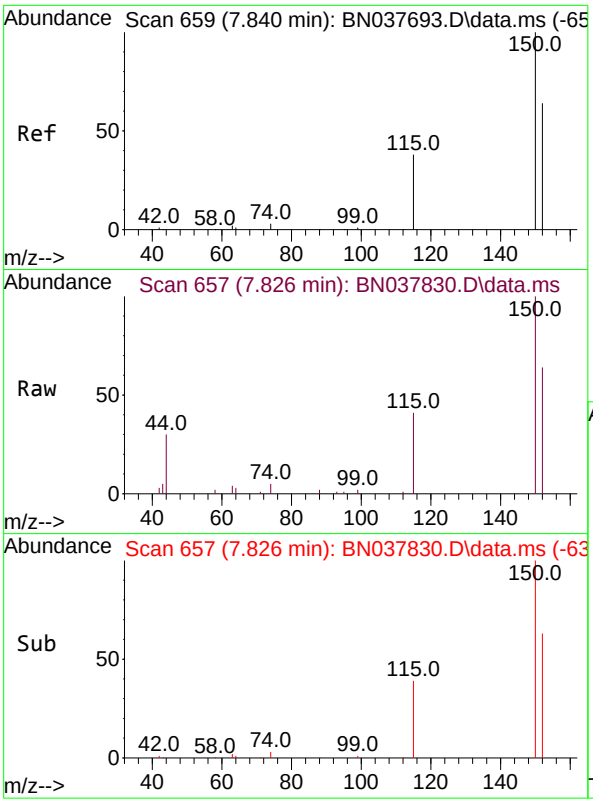
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091925\
Data File : BN037830.D
Acq On : 20 Sep 2025 00:39
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Quant Time: Sep 20 01:04:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration



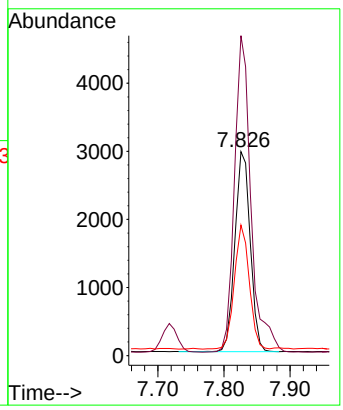


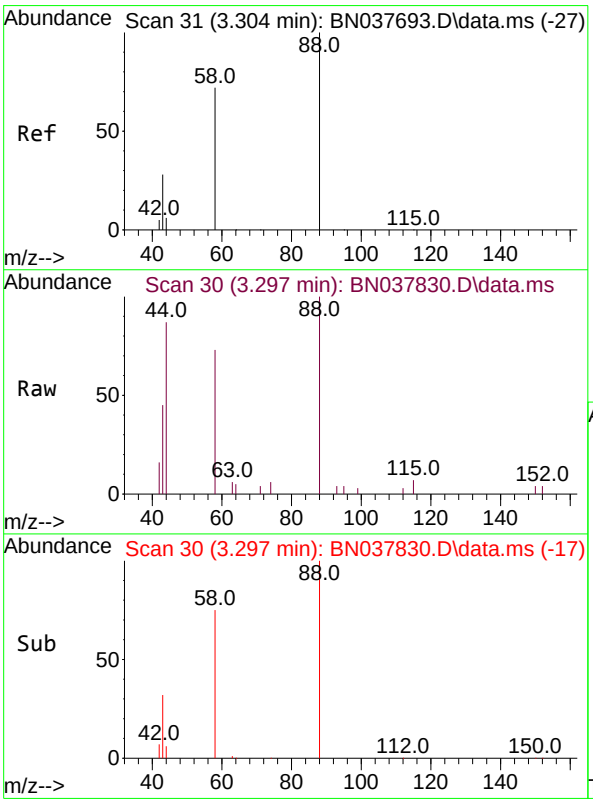
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.826 min Scan# 6
Delta R.T. -0.014 min
Lab File: BN037830.D
Acq: 20 Sep 2025 00:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 4763

Ion	Ratio	Lower	Upper
152	100		
150	156.9	124.5	186.7
115	64.0	49.2	73.8

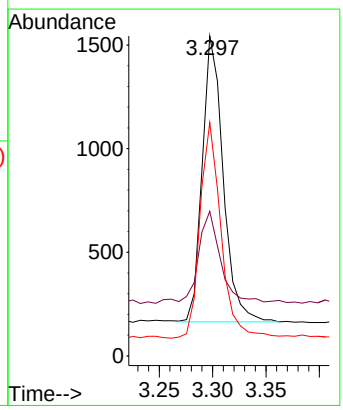


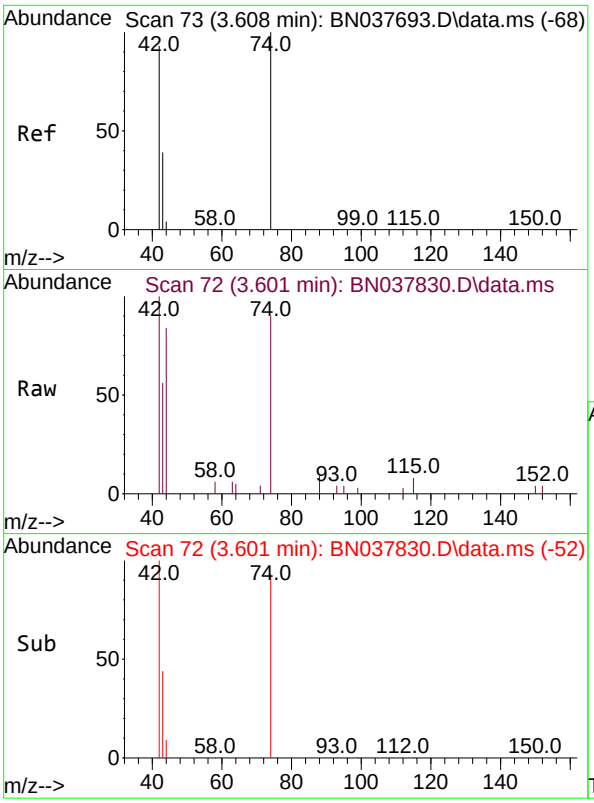


#2
1,4-Dioxane
Concen: 0.379 ng
RT: 3.297 min Scan# 30
Delta R.T. -0.007 min
Lab File: BN037830.D
Acq: 20 Sep 2025 00:39

Tgt Ion: 88 Resp: 1880

Ion	Ratio	Lower	Upper
88	100		
43	34.9	26.8	40.2
58	75.7	61.9	92.9



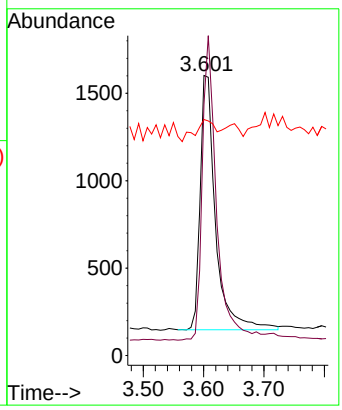


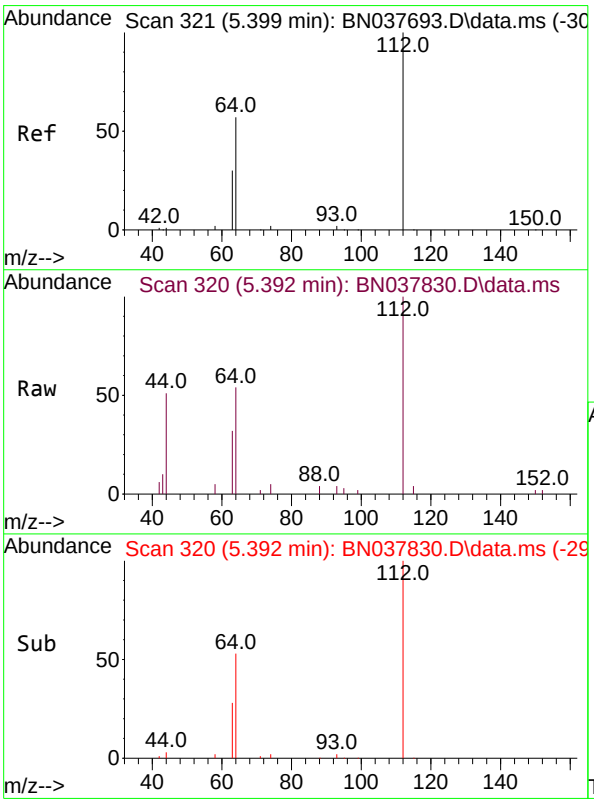
#3
n-Nitrosodimethylamine
Concen: 0.399 ng
RT: 3.601 min Scan# 7
Delta R.T. -0.007 min
Lab File: BN037830.D
Acq: 20 Sep 2025 00:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 42 Resp: 2585

Ion	Ratio	Lower	Upper
42	100		
74	110.6	86.0	129.0
44	10.4	8.4	12.6

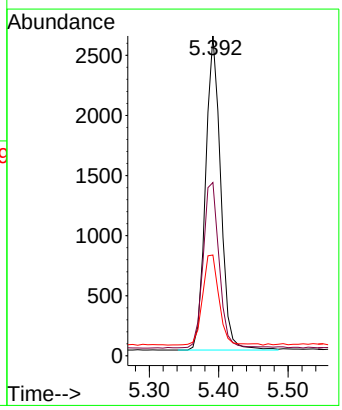


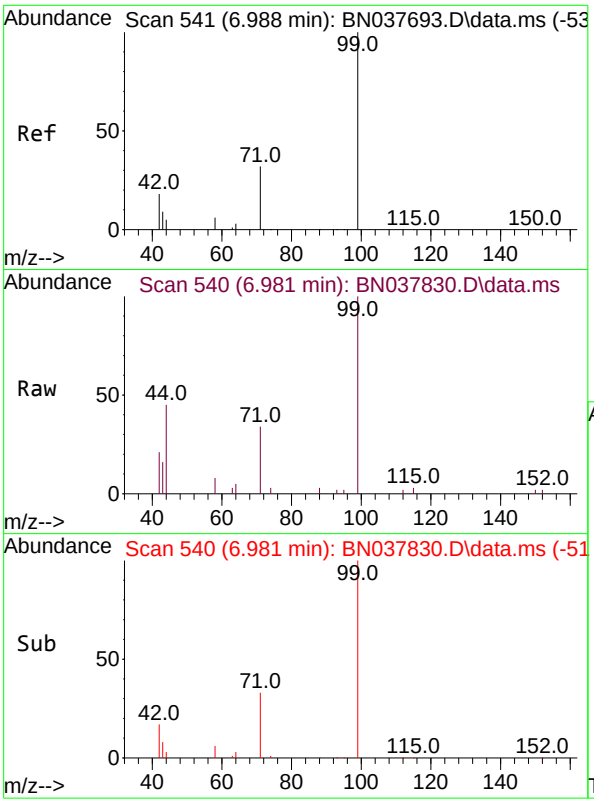


#4
2-Fluorophenol
Concen: 0.361 ng
RT: 5.392 min Scan# 320
Delta R.T. -0.007 min
Lab File: BN037830.D
Acq: 20 Sep 2025 00:39

Tgt Ion:112 Resp: 3952

Ion	Ratio	Lower	Upper
112	100		
64	55.7	44.9	67.3
63	30.9	24.7	37.1



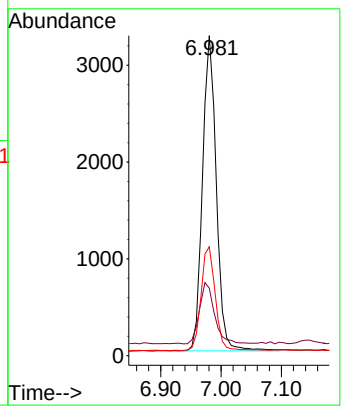


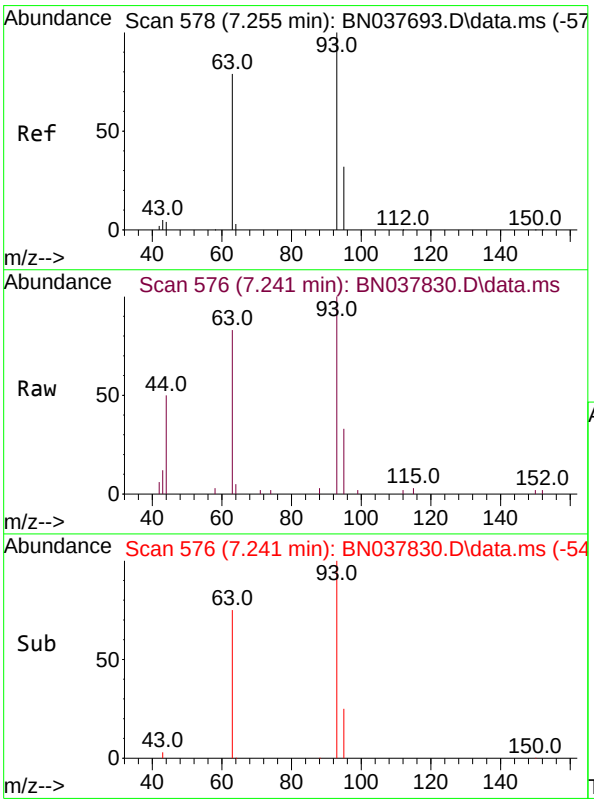
#5
Phenol-d6
Concen: 0.365 ng
RT: 6.981 min Scan# 54
Delta R.T. -0.007 min
Lab File: BN037830.D
Acq: 20 Sep 2025 00:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 99 Resp: 5181

Ion	Ratio	Lower	Upper
99	100		
42	21.1	16.6	24.8
71	34.1	26.7	40.1

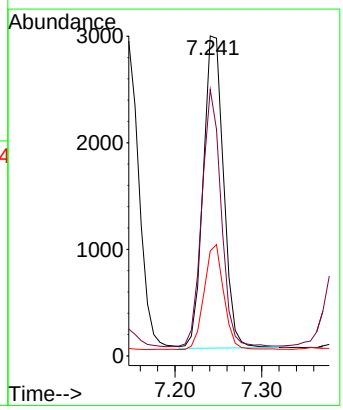


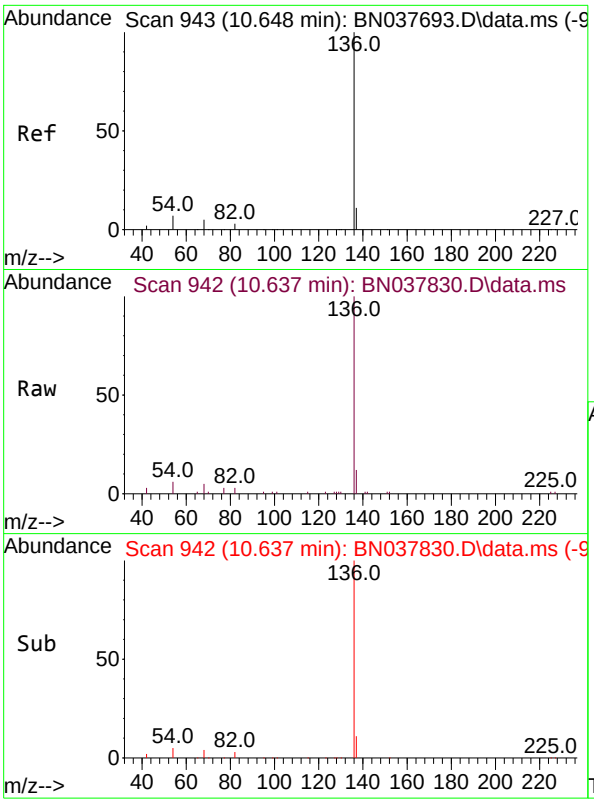


#6
bis(2-Chloroethyl)ether
Concen: 0.376 ng
RT: 7.241 min Scan# 576
Delta R.T. -0.014 min
Lab File: BN037830.D
Acq: 20 Sep 2025 00:39

Tgt Ion: 93 Resp: 4760

Ion	Ratio	Lower	Upper
93	100		
63	78.1	60.6	90.8
95	32.8	26.0	39.0



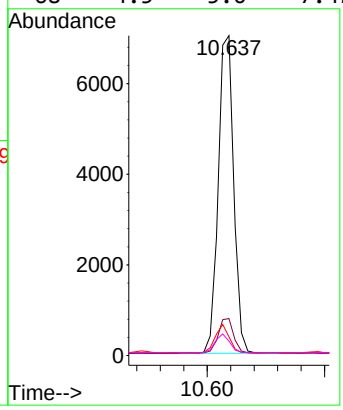


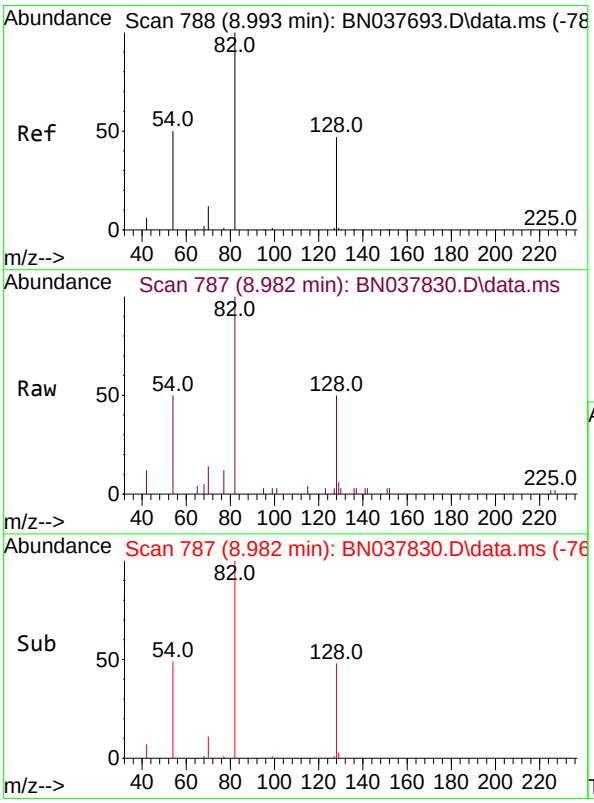
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.637 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037830.D
Acq: 20 Sep 2025 00:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:136 Resp: 12882

Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.1	13.7
54	5.9	6.3	9.5#
68	4.5	5.0	7.4#

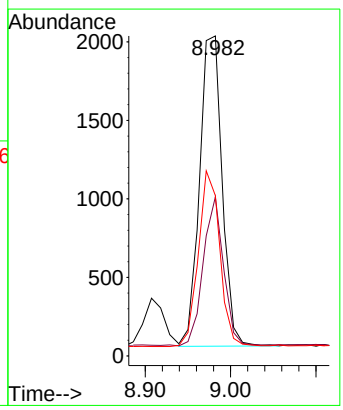


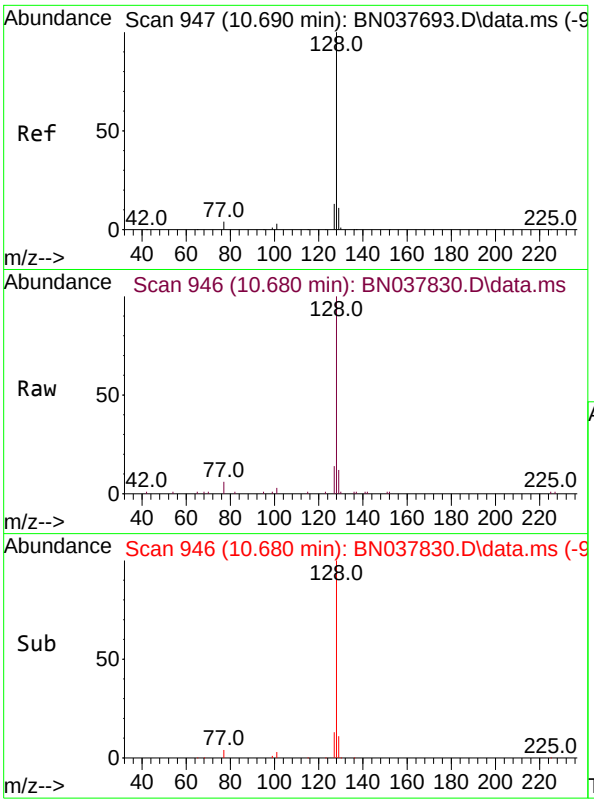


#8
Nitrobenzene-d5
Concen: 0.386 ng
RT: 8.982 min Scan# 787
Delta R.T. -0.011 min
Lab File: BN037830.D
Acq: 20 Sep 2025 00:39

Tgt Ion: 82 Resp: 3636

Ion	Ratio	Lower	Upper
82	100		
128	49.7	38.3	57.5
54	50.1	41.4	62.2



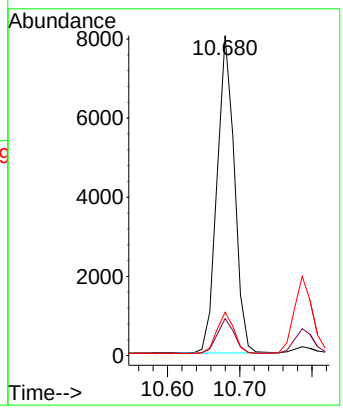


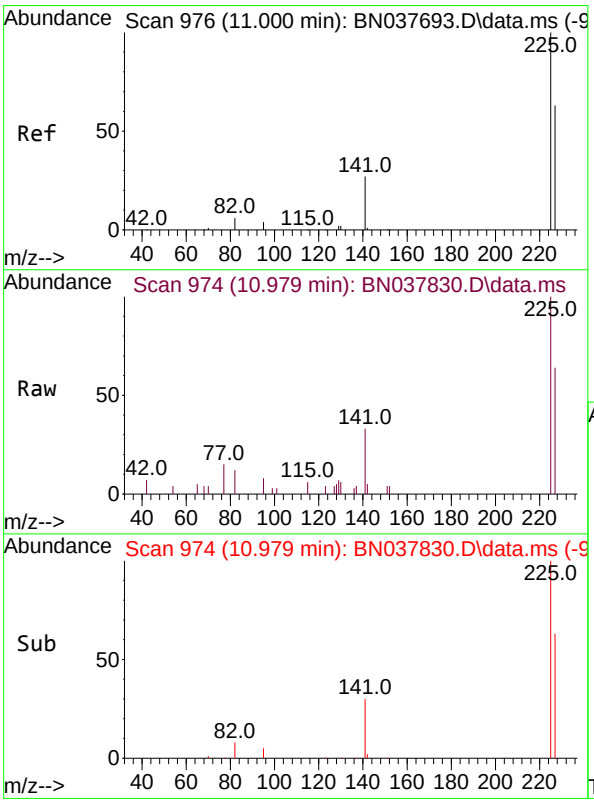
#9
Naphthalene
Concen: 0.381 ng
RT: 10.680 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037830.D
Acq: 20 Sep 2025 00:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:128 Resp: 13409

Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.1	13.7
127	13.5	10.9	16.3

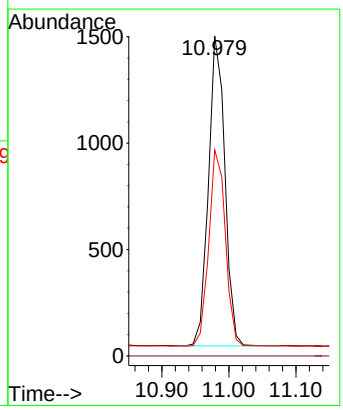


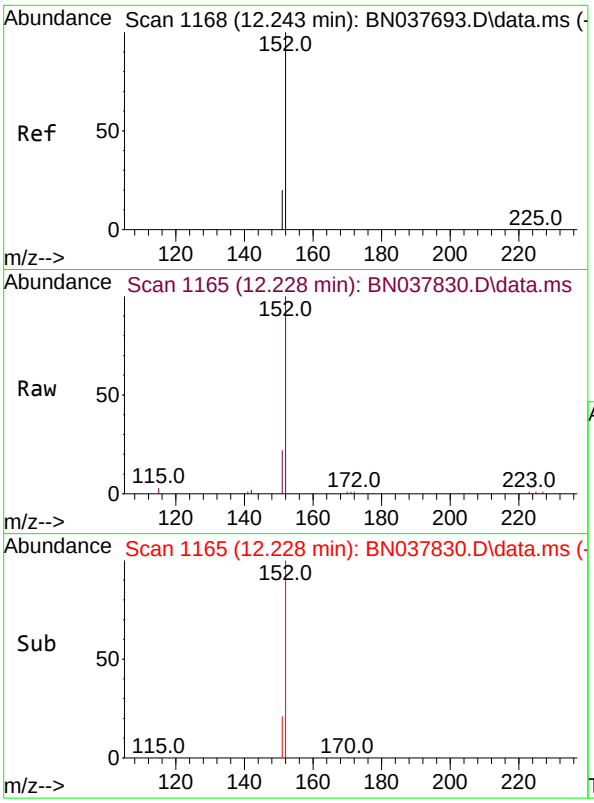


#10
Hexachlorobutadiene
Concen: 0.389 ng
RT: 10.979 min Scan# 974
Delta R.T. -0.021 min
Lab File: BN037830.D
Acq: 20 Sep 2025 00:39

Tgt Ion:225 Resp: 2479

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.8	50.9	76.3



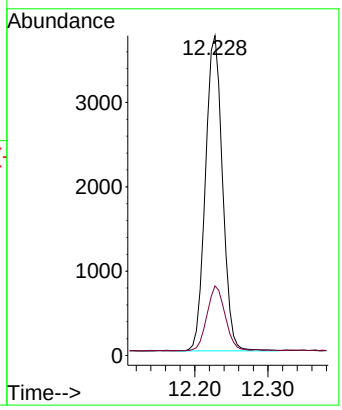


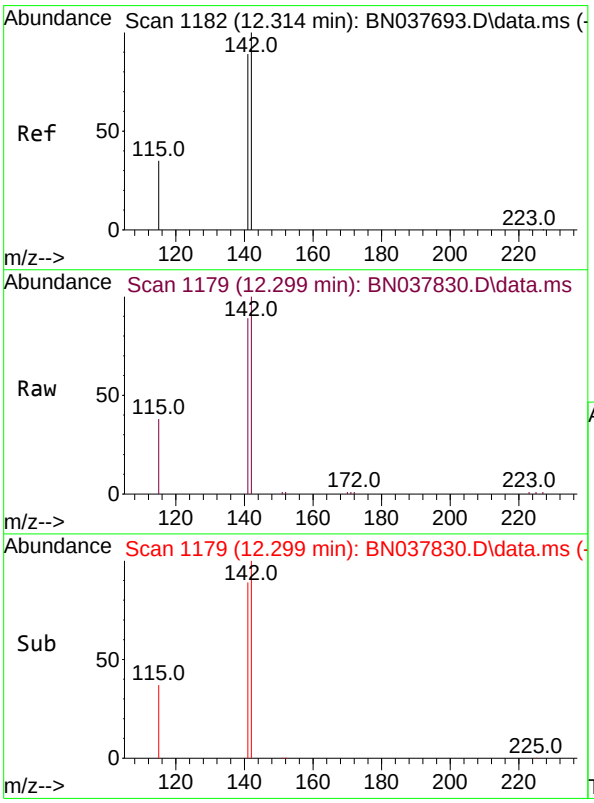
#11
2-Methylnaphthalene-d10
Concen: 0.355 ng
RT: 12.228 min Scan# 11
Delta R.T. -0.015 min
Lab File: BN037830.D
Acq: 20 Sep 2025 00:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 6061

Ion	Ratio	Lower	Upper
152	100		
151	21.8	17.0	25.6

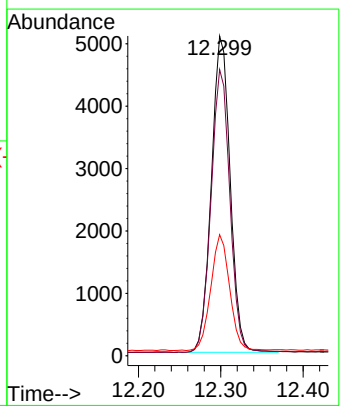


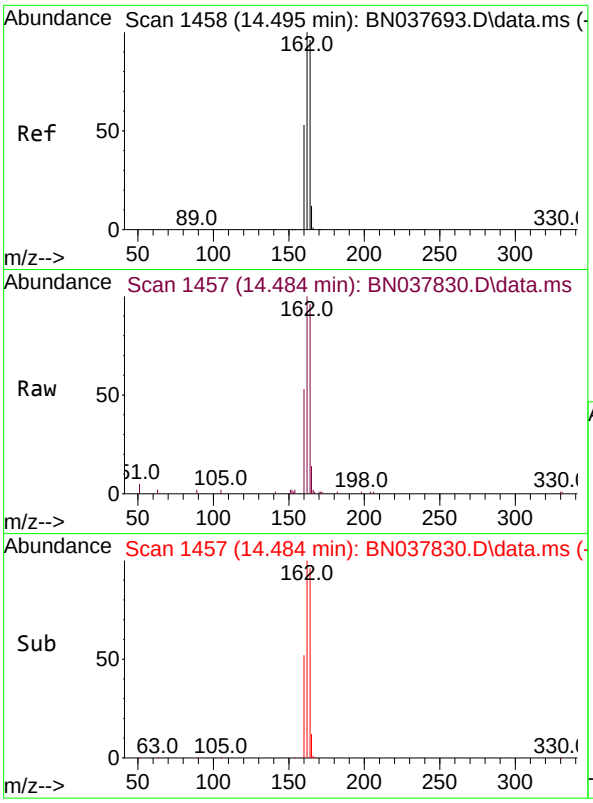


#12
2-Methylnaphthalene
Concen: 0.370 ng
RT: 12.299 min Scan# 1179
Delta R.T. -0.015 min
Lab File: BN037830.D
Acq: 20 Sep 2025 00:39

Tgt Ion:142 Resp: 8063

Ion	Ratio	Lower	Upper
142	100		
141	89.5	71.6	107.4
115	37.9	28.6	43.0



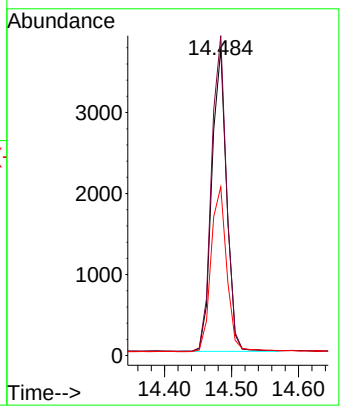


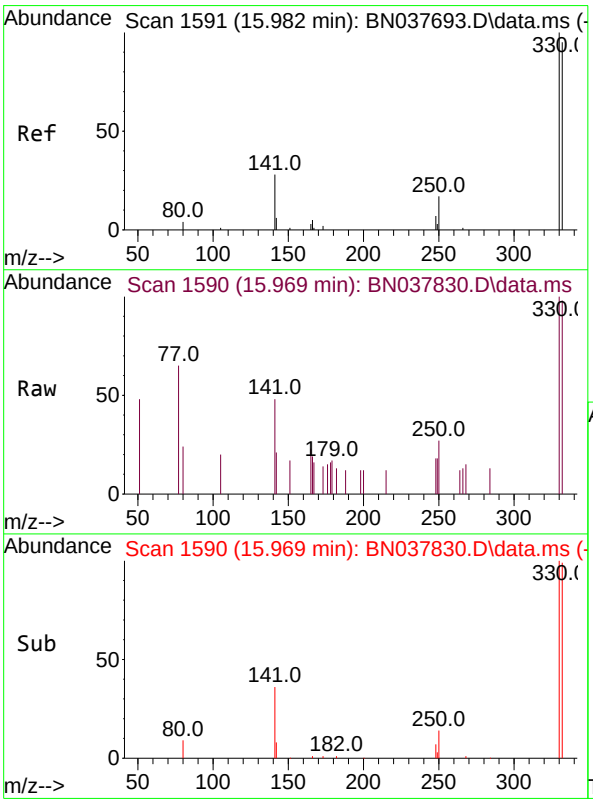
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.484 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN037830.D
Acq: 20 Sep 2025 00:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:164 Resp: 5757

Ion	Ratio	Lower	Upper
164	100		
162	104.3	83.1	124.7
160	55.0	44.3	66.5

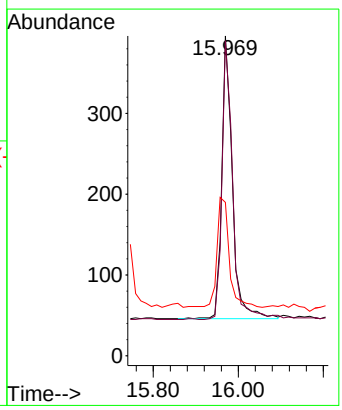


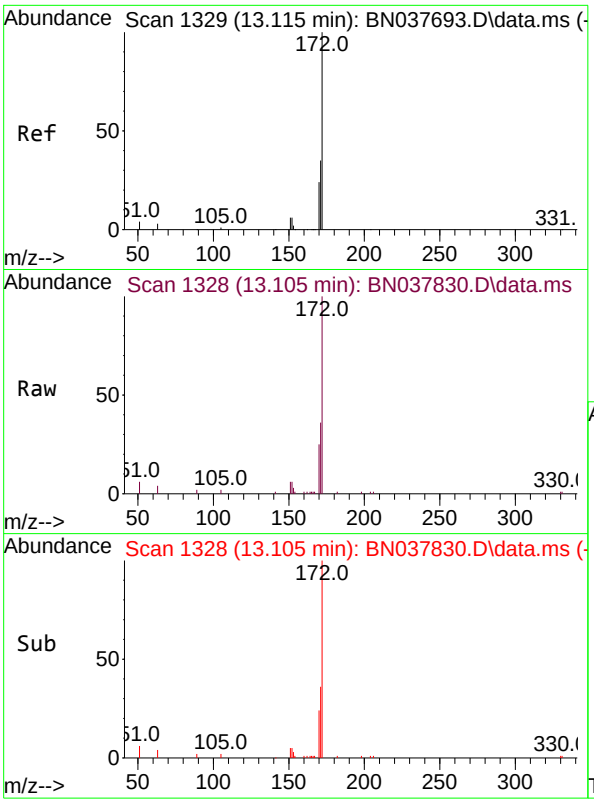


#14
2,4,6-Tribromophenol
Concen: 0.404 ng
RT: 15.969 min Scan# 1590
Delta R.T. -0.013 min
Lab File: BN037830.D
Acq: 20 Sep 2025 00:39

Tgt Ion:330 Resp: 607

Ion	Ratio	Lower	Upper
330	100		
332	99.8	75.3	112.9
141	44.3	35.0	52.4



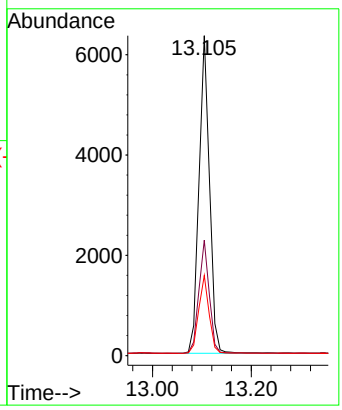


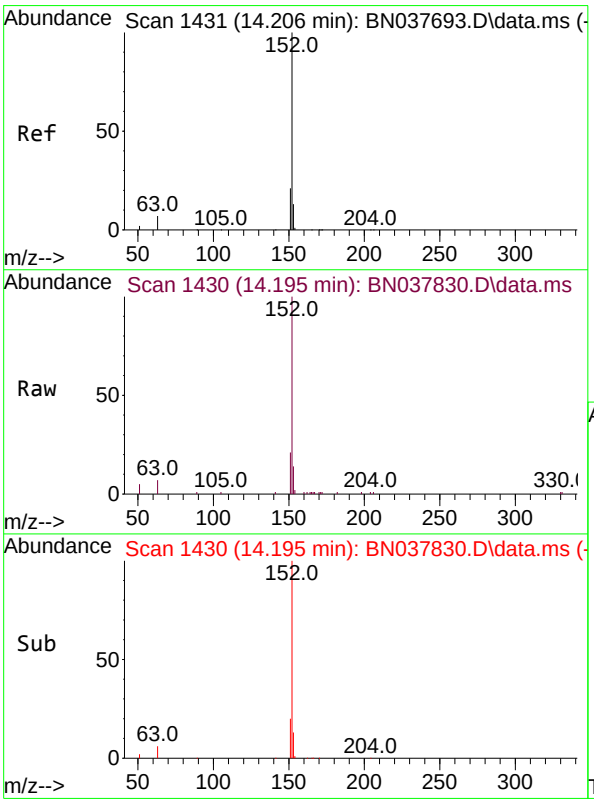
#15
2-Fluorobiphenyl
Concen: 0.388 ng
RT: 13.105 min Scan# 1
Delta R.T. -0.011 min
Lab File: BN037830.D
Acq: 20 Sep 2025 00:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:172 Resp: 9332

Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.6	43.0
170	25.0	19.8	29.8

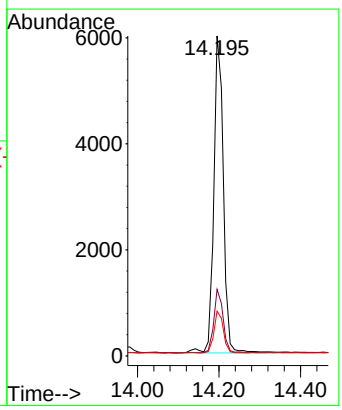


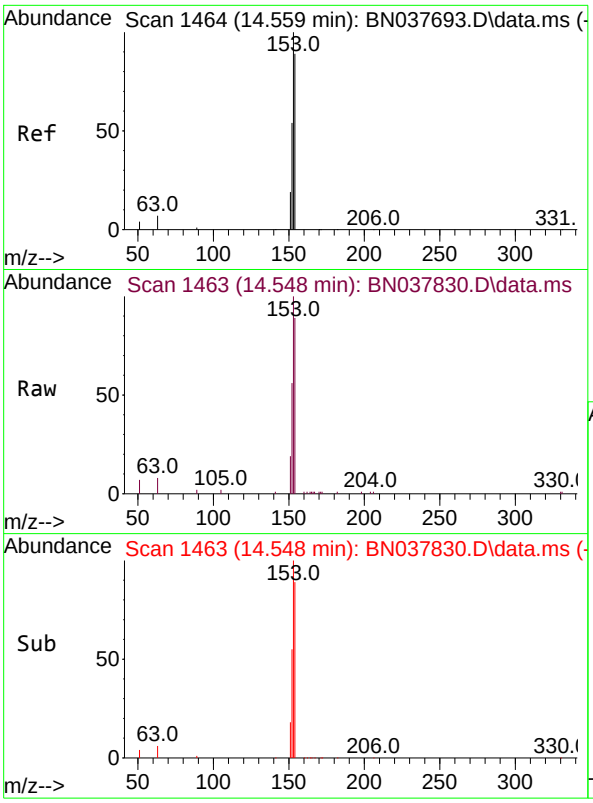


#16
Acenaphthylene
Concen: 0.370 ng
RT: 14.195 min Scan# 1430
Delta R.T. -0.011 min
Lab File: BN037830.D
Acq: 20 Sep 2025 00:39

Tgt Ion:152 Resp: 9766

Ion	Ratio	Lower	Upper
152	100		
151	19.4	16.2	24.2
153	12.8	10.4	15.6



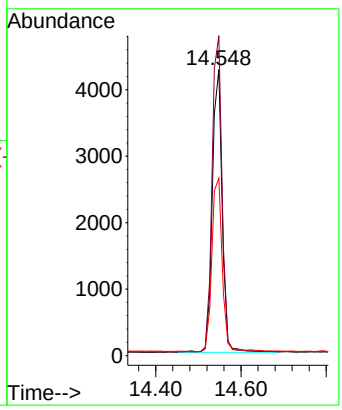


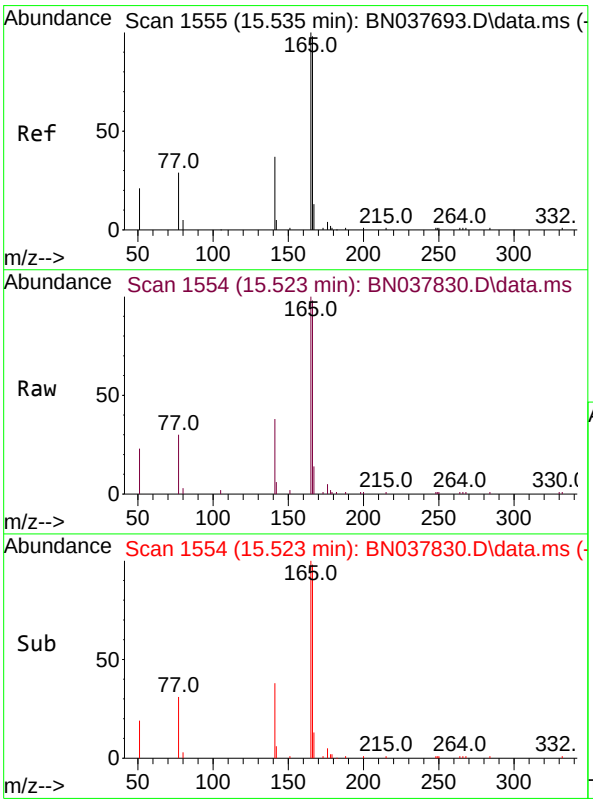
#17
Acenaphthene
Concen: 0.382 ng
RT: 14.548 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN037830.D
Acq: 20 Sep 2025 00:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:154 Resp: 6828

Ion	Ratio	Lower	Upper
154	100		
153	113.4	89.8	134.8
152	65.3	50.2	75.2

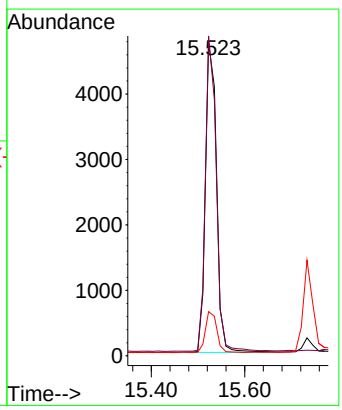


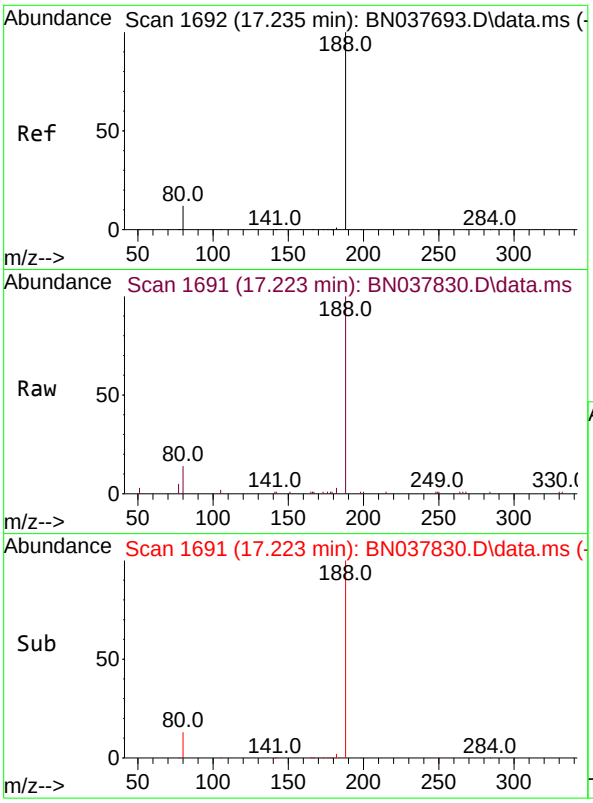


#18
Fluorene
Concen: 0.352 ng
RT: 15.523 min Scan# 1554
Delta R.T. -0.012 min
Lab File: BN037830.D
Acq: 20 Sep 2025 00:39

Tgt Ion:166 Resp: 7620

Ion	Ratio	Lower	Upper
166	100		
165	100.3	79.6	119.4
167	13.4	10.6	16.0



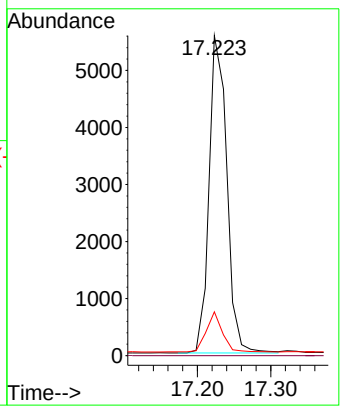


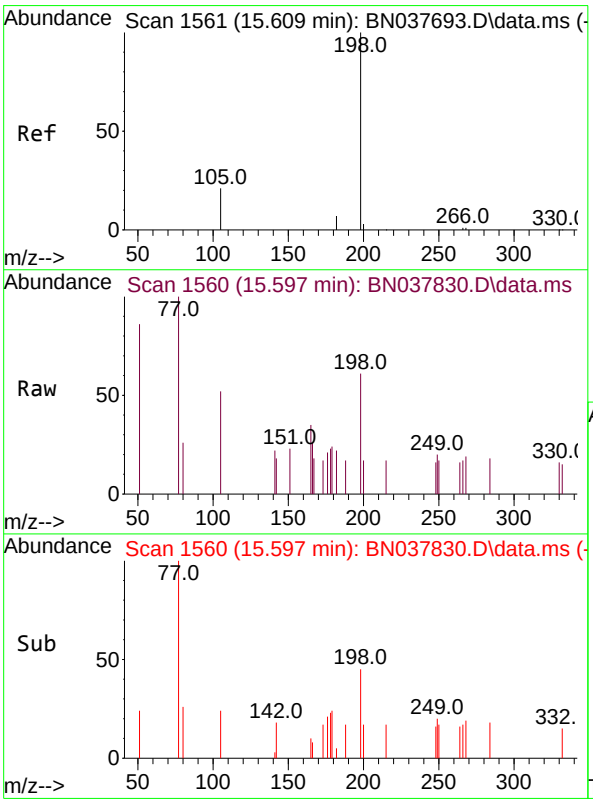
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.223 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037830.D
Acq: 20 Sep 2025 00:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:188 Resp: 9339

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	13.7	10.6	15.8

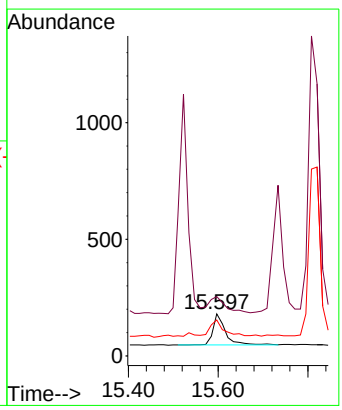


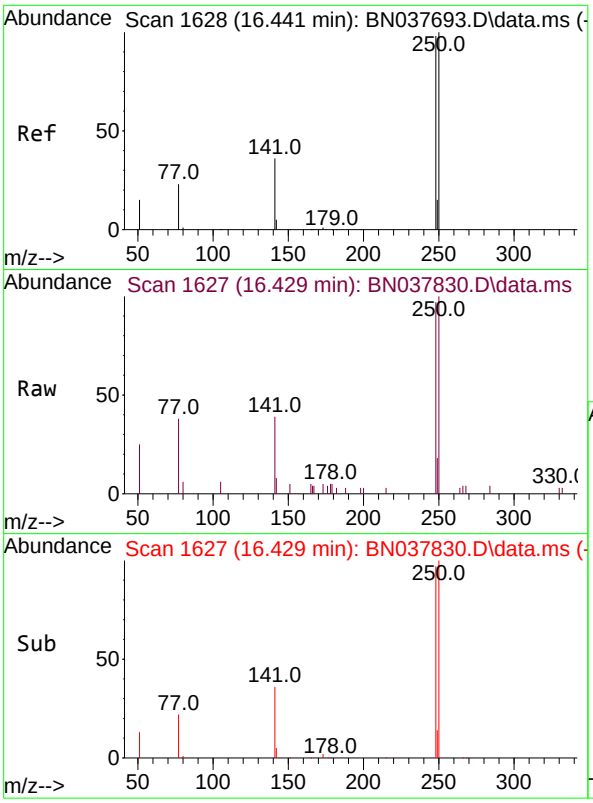


#20
4,6-Dinitro-2-methylphenol
Concen: 0.297 ng
RT: 15.597 min Scan# 1560
Delta R.T. -0.012 min
Lab File: BN037830.D
Acq: 20 Sep 2025 00:39

Tgt Ion:198 Resp: 257

Ion	Ratio	Lower	Upper
198	100		
51	141.1	95.1	142.7
105	85.6	53.8	80.6#



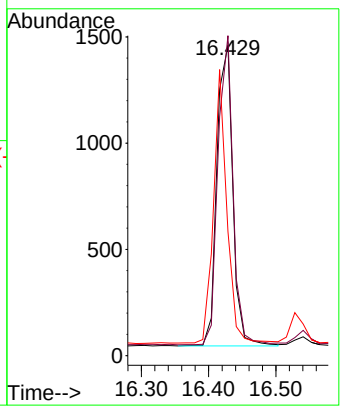


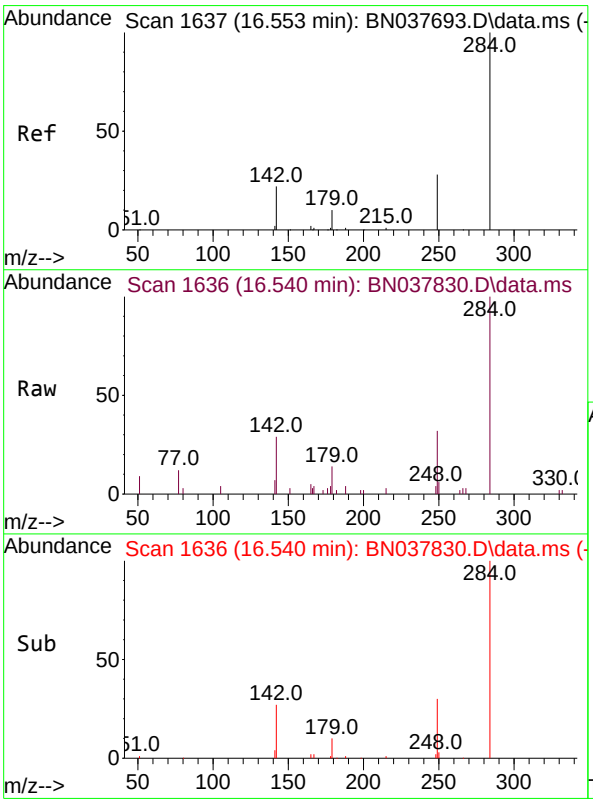
#21
4-Bromophenyl-phenylether
Concen: 0.383 ng
RT: 16.429 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037830.D
Acq: 20 Sep 2025 00:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:248 Resp: 2332

Ion	Ratio	Lower	Upper
248	100		
250	103.2	81.5	122.3
141	40.0	30.8	46.2

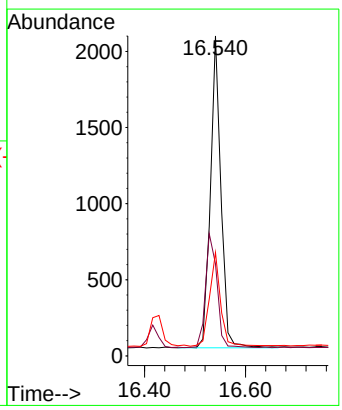


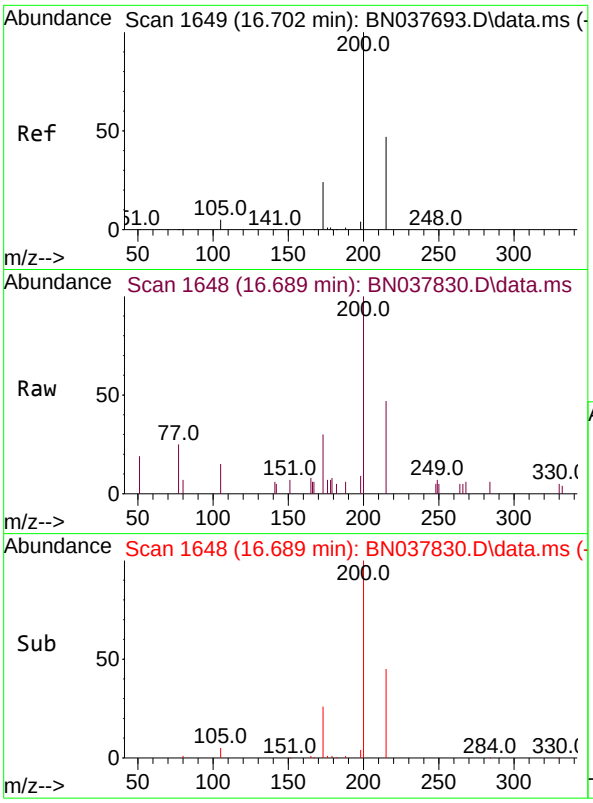


#22
Hexachlorobenzene
Concen: 0.424 ng
RT: 16.540 min Scan# 1636
Delta R.T. -0.012 min
Lab File: BN037830.D
Acq: 20 Sep 2025 00:39

Tgt Ion:284 Resp: 2969

Ion	Ratio	Lower	Upper
284	100		
142	39.6	30.9	46.3
249	31.5	24.8	37.2



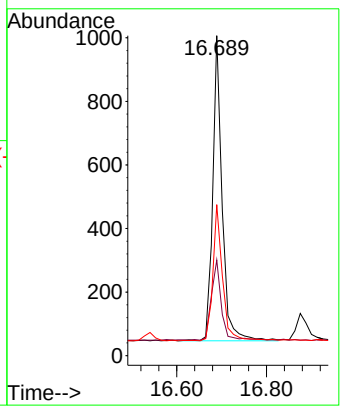


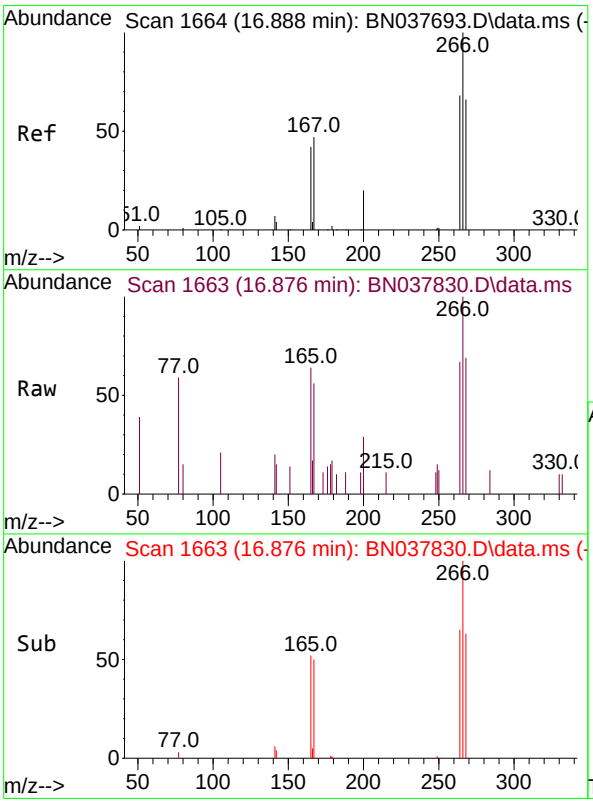
#23
Atrazine
Concen: 0.361 ng
RT: 16.689 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037830.D
Acq: 20 Sep 2025 00:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:200 Resp: 1399

Ion	Ratio	Lower	Upper
200	100		
173	29.9	21.4	32.2
215	47.2	39.2	58.8

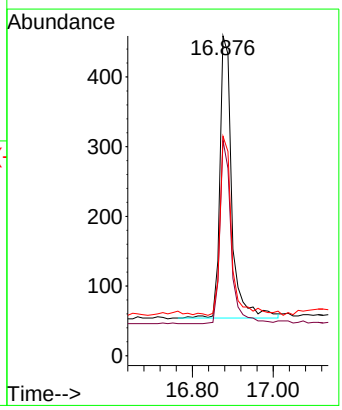


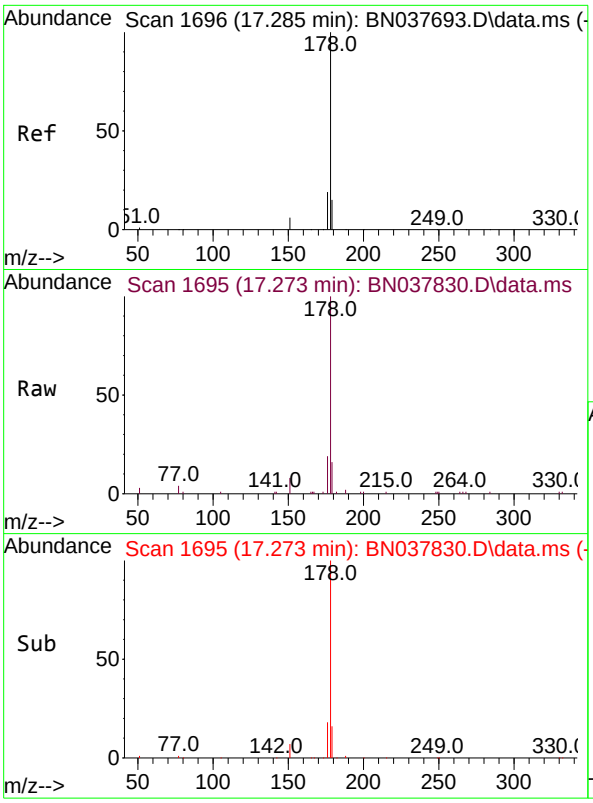


#24
Pentachlorophenol
Concen: 0.408 ng
RT: 16.876 min Scan# 1663
Delta R.T. -0.012 min
Lab File: BN037830.D
Acq: 20 Sep 2025 00:39

Tgt Ion:266 Resp: 830

Ion	Ratio	Lower	Upper
266	100		
264	61.1	51.6	77.4
268	61.9	53.2	79.8



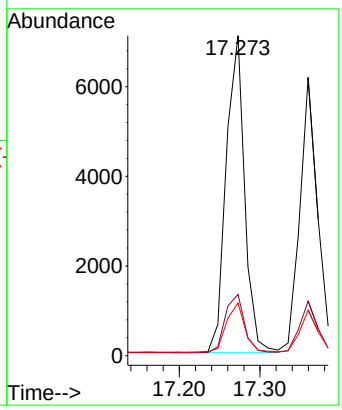


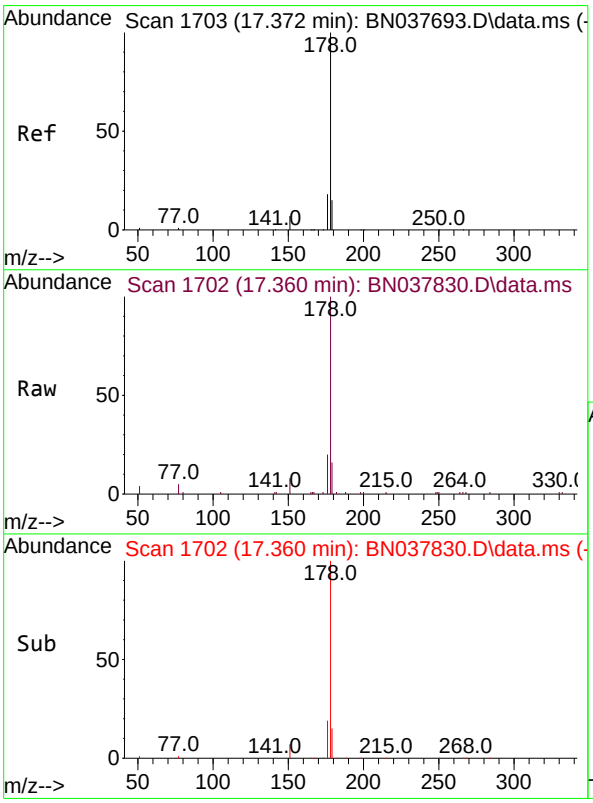
#25
Phenanthrene
Concen: 0.383 ng
RT: 17.273 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037830.D
Acq: 20 Sep 2025 00:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:178 Resp: 11247

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.3	22.9
179	15.6	12.2	18.2

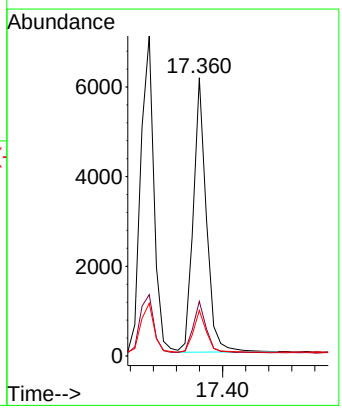


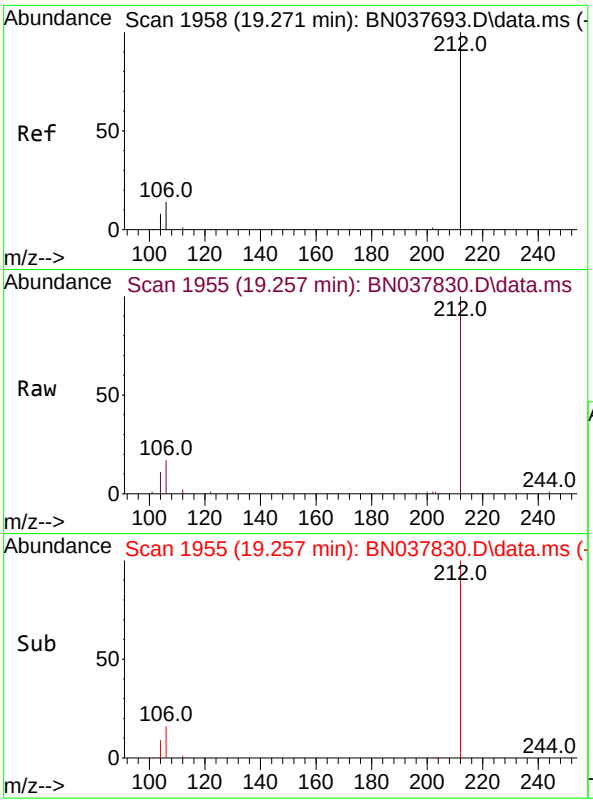


#26
Anthracene
Concen: 0.369 ng
RT: 17.360 min Scan# 1702
Delta R.T. -0.012 min
Lab File: BN037830.D
Acq: 20 Sep 2025 00:39

Tgt Ion:178 Resp: 9601

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.6	22.0
179	15.4	12.2	18.4



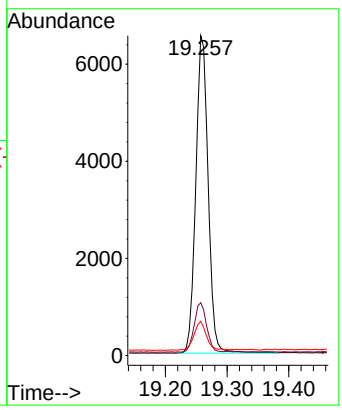


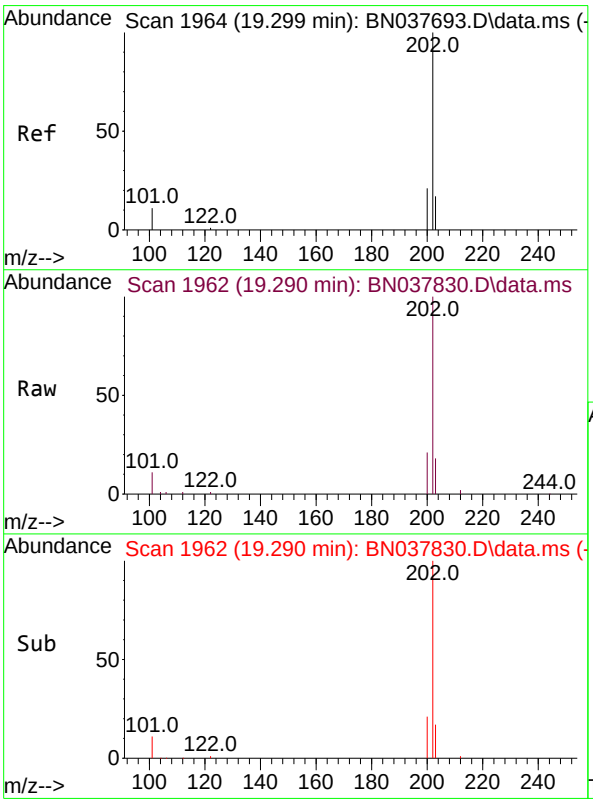
#27
Fluoranthene-d10
Concen: 0.387 ng
RT: 19.257 min Scan# 19
Delta R.T. -0.014 min
Lab File: BN037830.D
Acq: 20 Sep 2025 00:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:212 Resp: 9064

Ion	Ratio	Lower	Upper
212	100		
106	15.5	12.2	18.2
104	9.0	6.9	10.3

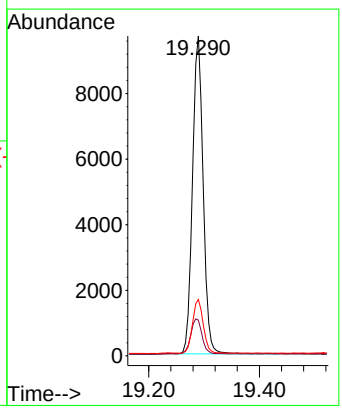


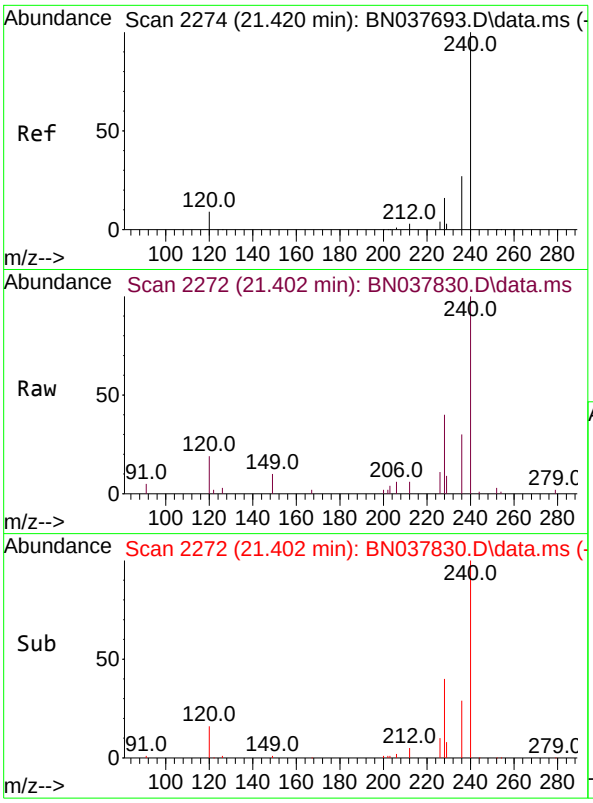


#28
Fluoranthene
Concen: 0.402 ng
RT: 19.290 min Scan# 1962
Delta R.T. -0.009 min
Lab File: BN037830.D
Acq: 20 Sep 2025 00:39

Tgt Ion:202 Resp: 12968

Ion	Ratio	Lower	Upper
202	100		
101	11.9	9.3	13.9
203	17.0	13.7	20.5



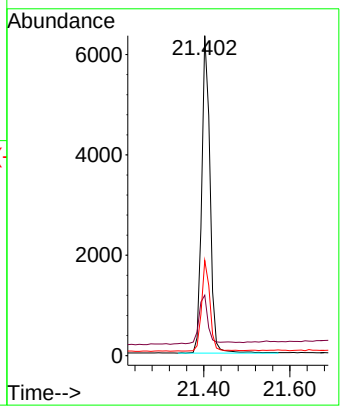


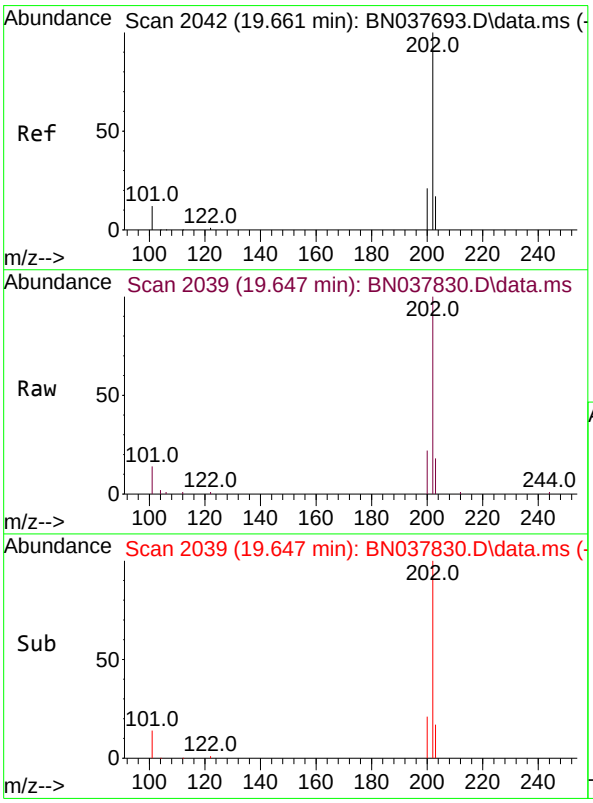
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.402 min Scan# 21
Delta R.T. -0.018 min
Lab File: BN037830.D
Acq: 20 Sep 2025 00:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:240 Resp: 8425

Ion	Ratio	Lower	Upper
240	100		
120	18.9	9.2	13.8#
236	29.7	22.6	33.8

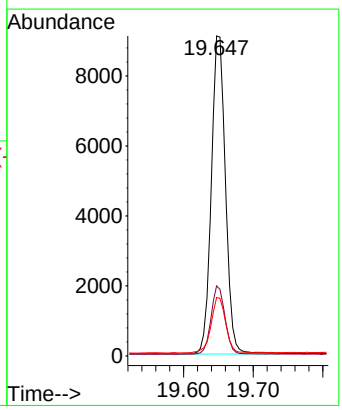


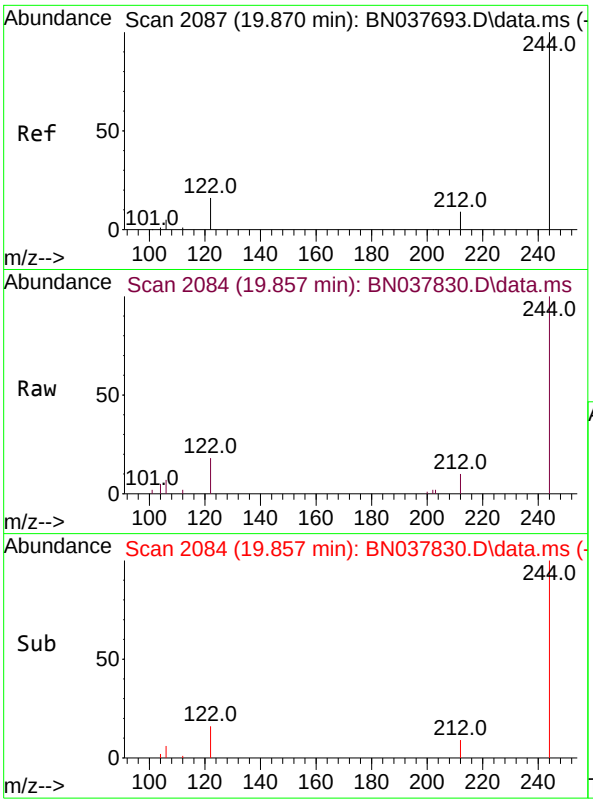


#30
Pyrene
Concen: 0.388 ng
RT: 19.647 min Scan# 2039
Delta R.T. -0.014 min
Lab File: BN037830.D
Acq: 20 Sep 2025 00:39

Tgt Ion:202 Resp: 12812

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.8	25.2
203	17.8	14.3	21.5



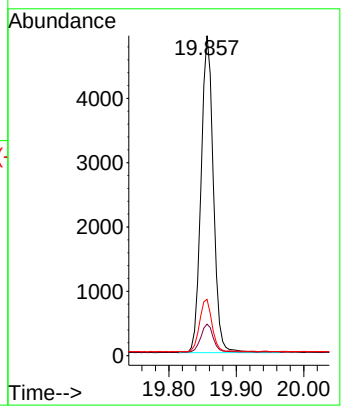


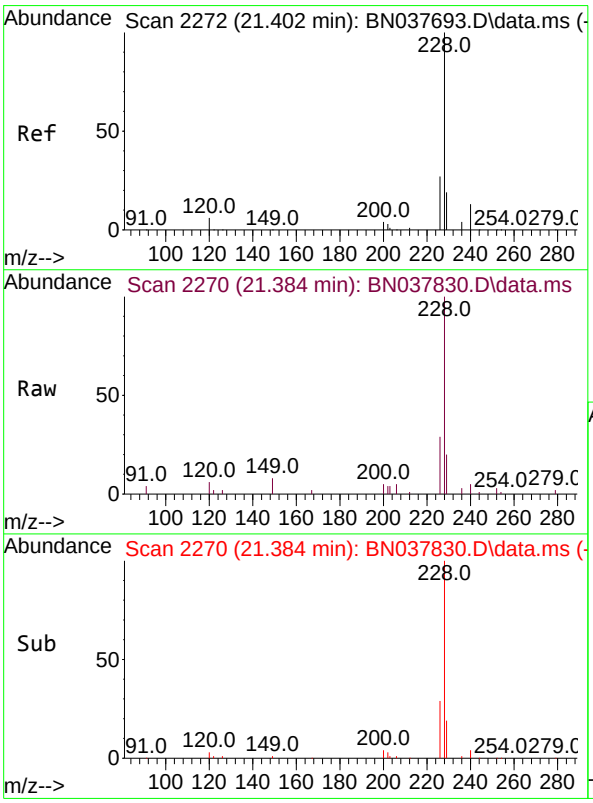
#31
Terphenyl-d14
Concen: 0.365 ng
RT: 19.857 min Scan# 2
Delta R.T. -0.014 min
Lab File: BN037830.D
Acq: 20 Sep 2025 00:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:244 Resp: 6240

Ion	Ratio	Lower	Upper
244	100		
212	9.8	7.5	11.3
122	17.6	13.2	19.8

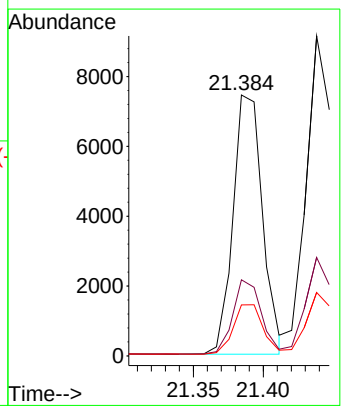


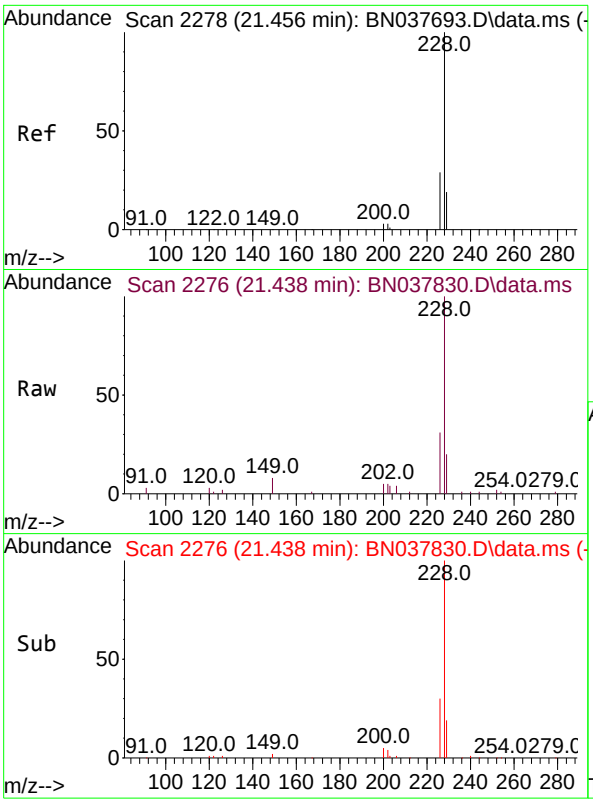


#32
Benzo(a)anthracene
Concen: 0.370 ng
RT: 21.384 min Scan# 2270
Delta R.T. -0.018 min
Lab File: BN037830.D
Acq: 20 Sep 2025 00:39

Tgt Ion:228 Resp: 10867

Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.2	33.2
229	19.5	15.8	23.6



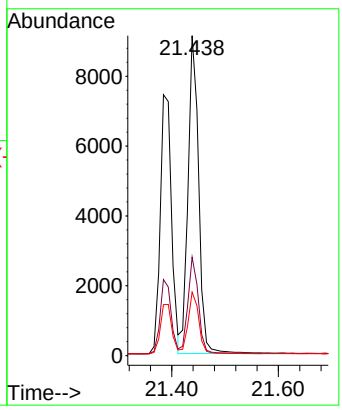


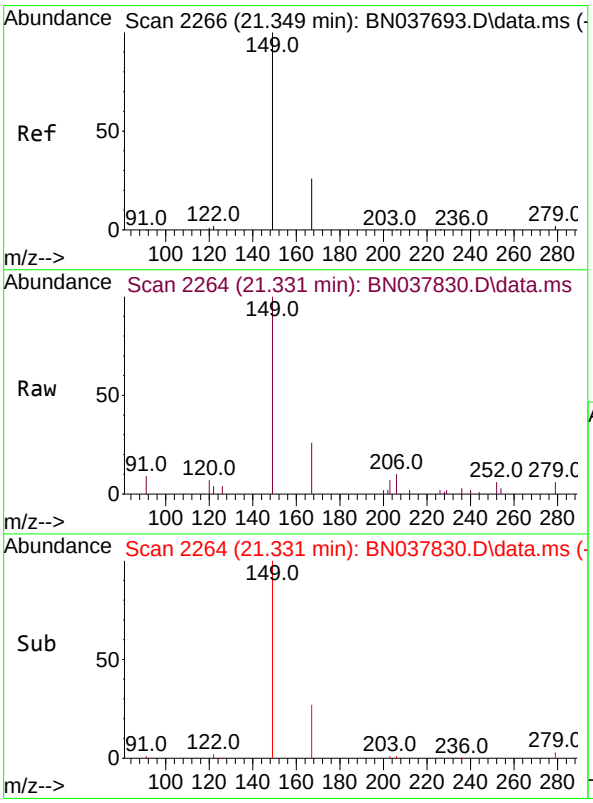
#33
Chrysene
Concen: 0.399 ng
RT: 21.438 min Scan# 2
Delta R.T. -0.018 min
Lab File: BN037830.D
Acq: 20 Sep 2025 00:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:228 Resp: 12584

Ion	Ratio	Lower	Upper
228	100		
226	30.8	23.5	35.3
229	19.8	15.9	23.9

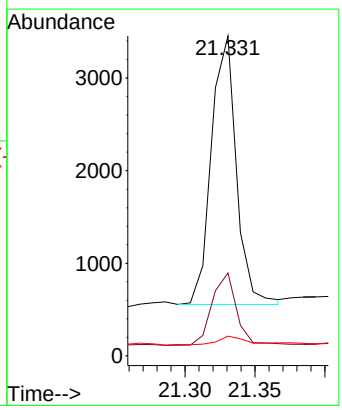


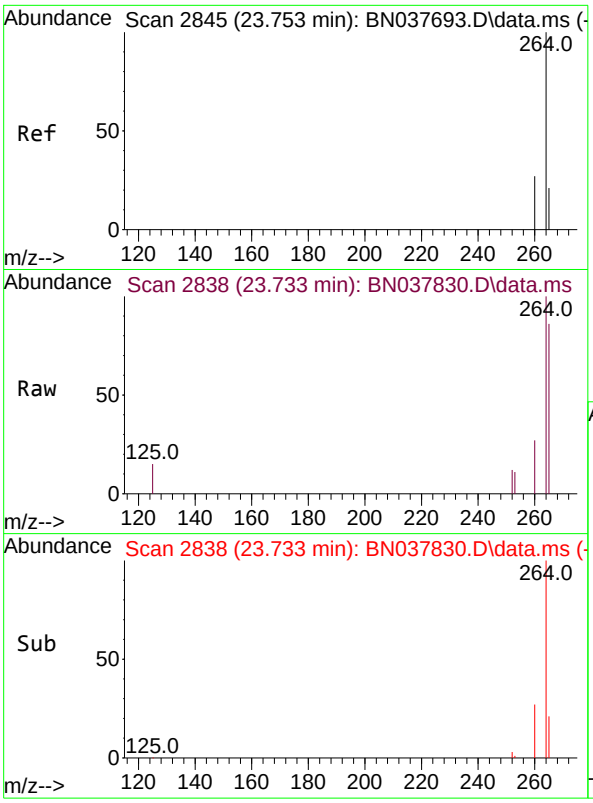


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.414 ng
RT: 21.331 min Scan# 2264
Delta R.T. -0.018 min
Lab File: BN037830.D
Acq: 20 Sep 2025 00:39

Tgt Ion:149 Resp: 3605

Ion	Ratio	Lower	Upper
149	100		
167	26.7	20.8	31.2
279	3.5	3.3	4.9



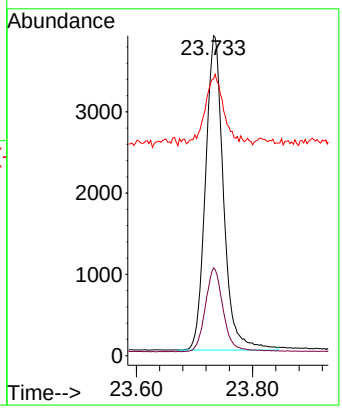


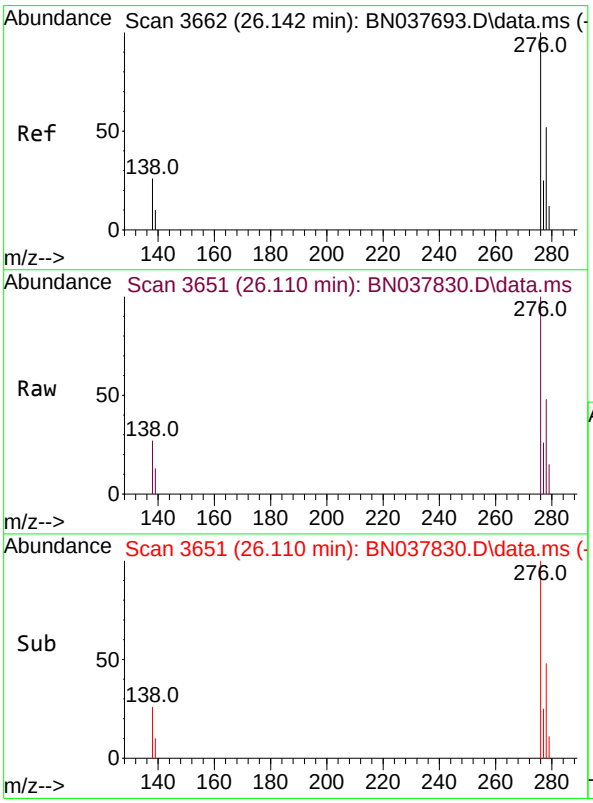
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.733 min Scan# 2
Delta R.T. -0.020 min
Lab File: BN037830.D
Acq: 20 Sep 2025 00:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:264 Resp: 8348

Ion	Ratio	Lower	Upper
264	100		
260	27.4	21.8	32.8
265	86.5	39.4	59.2#

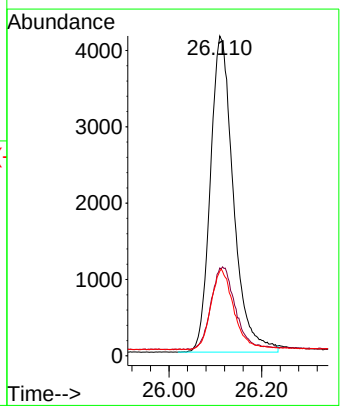


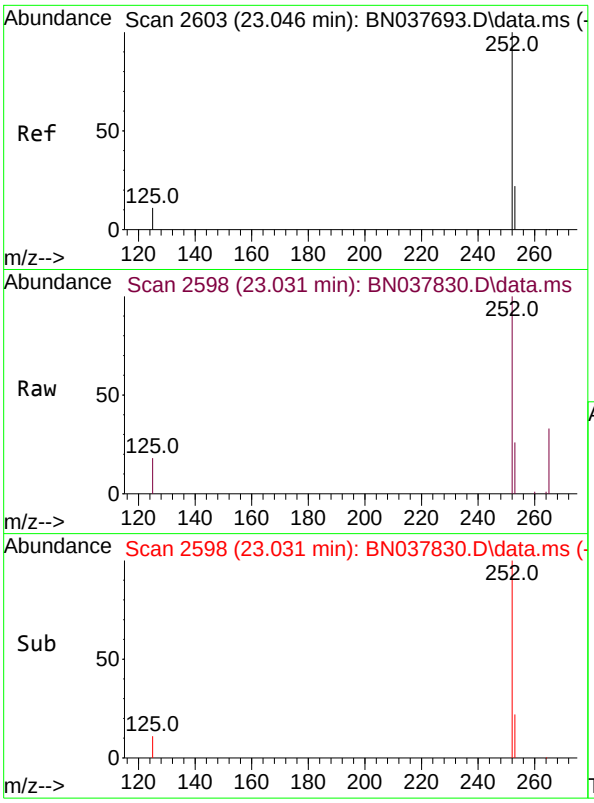


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.408 ng
RT: 26.110 min Scan# 3651
Delta R.T. -0.032 min
Lab File: BN037830.D
Acq: 20 Sep 2025 00:39

Tgt Ion:276 Resp: 14316

Ion	Ratio	Lower	Upper
276	100		
138	26.8	21.9	32.9
277	25.2	20.1	30.1



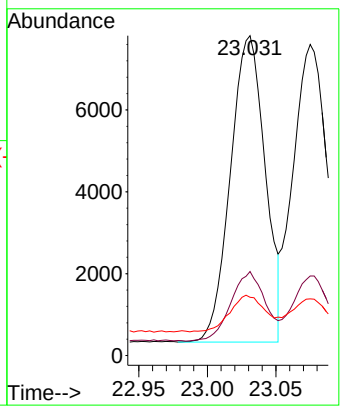


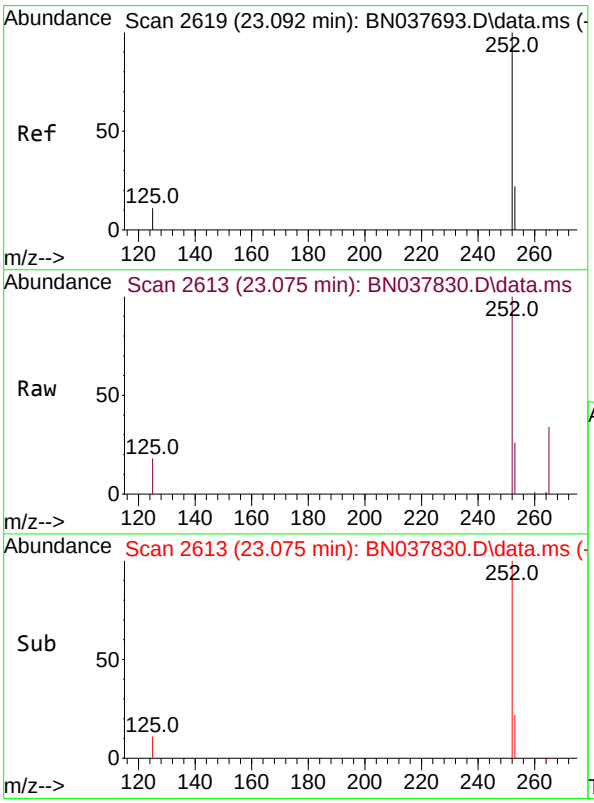
#37
Benzo(b)fluoranthene
Concen: 0.402 ng
RT: 23.031 min Scan# 2
Delta R.T. -0.015 min
Lab File: BN037830.D
Acq: 20 Sep 2025 00:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 13207

Ion	Ratio	Lower	Upper
252	100		
253	26.3	19.4	29.2
125	18.2	11.2	16.8#

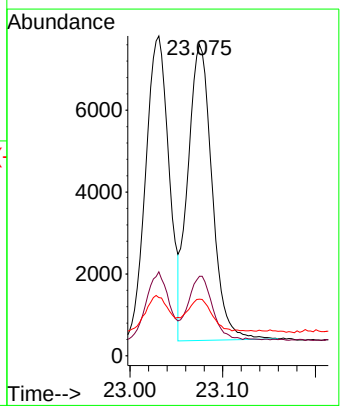


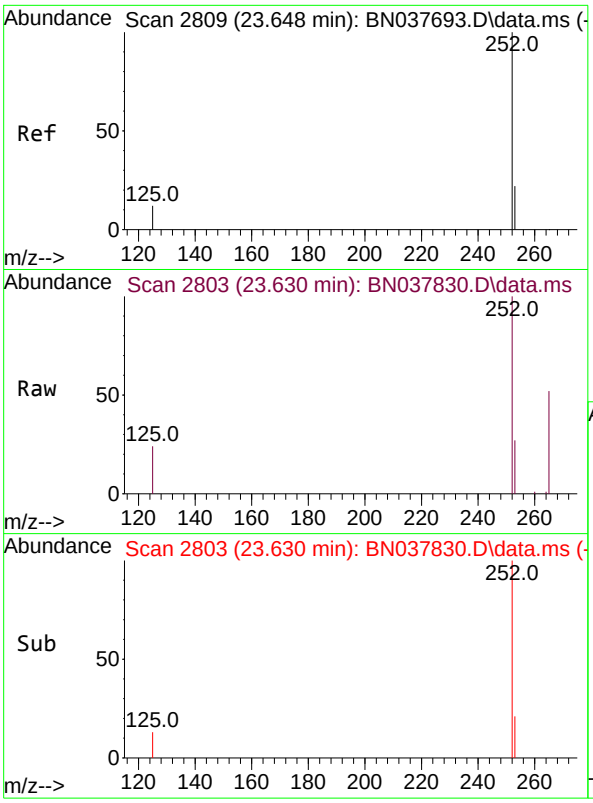


#38
Benzo(k)fluoranthene
Concen: 0.392 ng
RT: 23.075 min Scan# 2613
Delta R.T. -0.018 min
Lab File: BN037830.D
Acq: 20 Sep 2025 00:39

Tgt Ion:252 Resp: 13139

Ion	Ratio	Lower	Upper
252	100		
253	25.6	19.4	29.0
125	18.2	11.6	17.4#



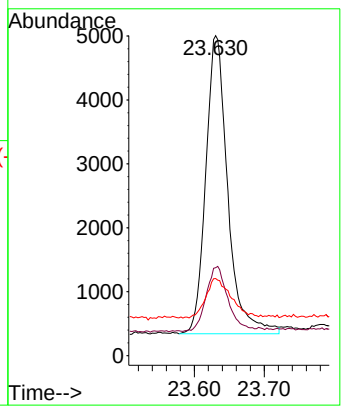


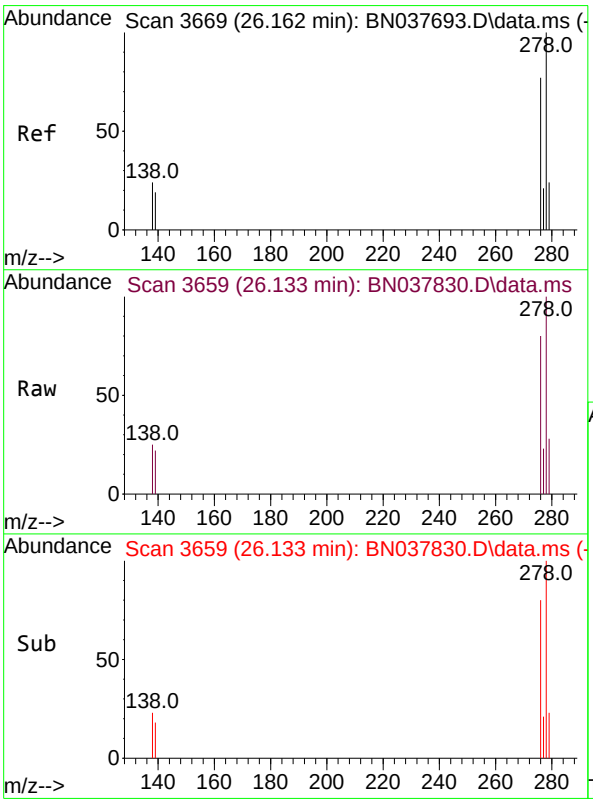
#39
Benzo(a)pyrene
Concen: 0.387 ng
RT: 23.630 min Scan# 28
Delta R.T. -0.018 min
Lab File: BN037830.D
Acq: 20 Sep 2025 00:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 10193

Ion	Ratio	Lower	Upper
252	100		
253	27.5	20.8	31.2
125	24.1	13.9	20.9#

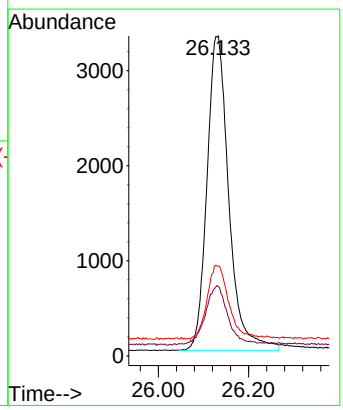


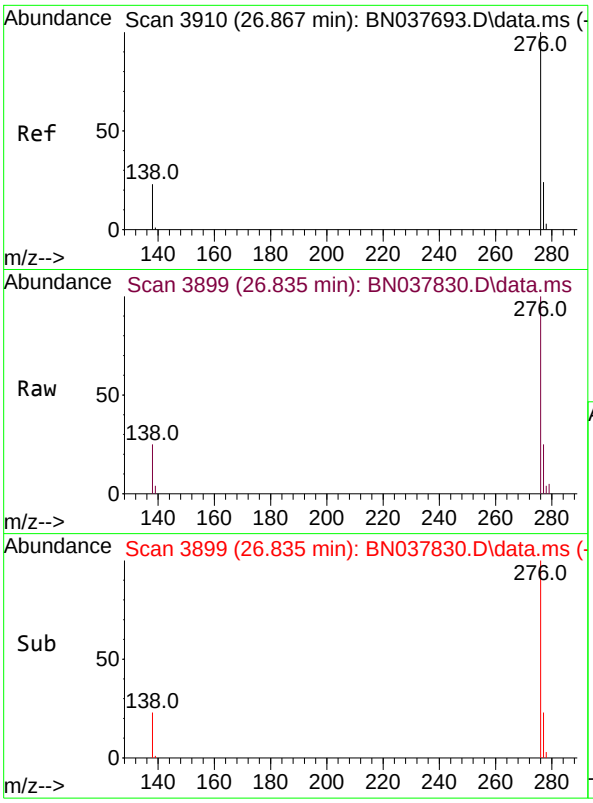


#40
Dibenzo(a,h)anthracene
Concen: 0.397 ng
RT: 26.133 min Scan# 3659
Delta R.T. -0.029 min
Lab File: BN037830.D
Acq: 20 Sep 2025 00:39

Tgt Ion:278 Resp: 11121

Ion	Ratio	Lower	Upper
278	100		
139	21.7	17.8	26.6
279	28.0	22.0	33.0



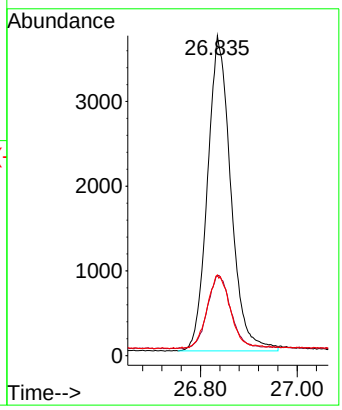


#41
Benzo(g,h,i)perylene
Concen: 0.396 ng
RT: 26.835 min Scan# 3
Delta R.T. -0.032 min
Lab File: BN037830.D
Acq: 20 Sep 2025 00:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 12456

Ion	Ratio	Lower	Upper
276	100		
277	24.8	20.6	31.0
138	25.3	20.2	30.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091925\
Data File : BN037830.D
Acq On : 20 Sep 2025 00:39
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Quant Time: Sep 20 01:04:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	95	-0.01
2		1,4-Dioxane	0.417	0.395	5.3	89	0.00
3		n-Nitrosodimethylamine	0.544	0.543	0.2	92	0.00
4	S	2-Fluorophenol	0.918	0.830	9.6	89	0.00
5	S	Phenol-d6	1.191	1.088	8.6	90	0.00
6		bis(2-Chloroethyl)ether	1.064	0.999	6.1	89	-0.01
7	I	Naphthalene-d8	1.000	1.000	0.0	97	-0.01
8	S	Nitrobenzene-d5	0.293	0.282	3.8	96	-0.01
9		Naphthalene	1.093	1.041	4.8	94	-0.01
10		Hexachlorobutadiene	0.198	0.192	3.0	95	-0.02
11	SURR	2-Methylnaphthalene-d10	0.530	0.471	11.1	92	-0.02
12		2-Methylnaphthalene	0.676	0.626	7.4	92	-0.02
13	I	Acenaphthene-d10	1.000	1.000	0.0	93	-0.01
14	S	2,4,6-Tribromophenol	0.104	0.105	-1.0	97	-0.01
15	S	2-Fluorobiphenyl	1.673	1.621	3.1	91	-0.01
16		Acenaphthylene	1.834	1.696	7.5	88	-0.01
17		Acenaphthene	1.240	1.186	4.4	91	-0.01
18		Fluorene	1.502	1.324	11.9	85	-0.01
19	I	Phenanthrene-d10	1.000	1.000	0.0	83	-0.01
20		4,6-Dinitro-2-methylphenol	0.037	0.028	24.3	69	-0.01
21		4-Bromophenyl-phenylether	0.261	0.250	4.2	82	-0.01
22		Hexachlorobenzene	0.300	0.318	-6.0	90	-0.01
23		Atrazine	0.166	0.150	9.6	82	-0.01
24		Pentachlorophenol	0.087	0.089	-2.3	99	-0.01
25		Phenanthrene	1.259	1.204	4.4	82	-0.01
26		Anthracene	1.116	1.028	7.9	80	-0.01
27	SURR	Fluoranthene-d10	1.004	0.971	3.3	86	-0.01
28		Fluoranthene	1.381	1.389	-0.6	88	0.00
29	I	Chrysene-d12	1.000	1.000	0.0	90	-0.02
30		Pyrene	1.566	1.521	2.9	88	-0.01
31	S	Terphenyl-d14	0.812	0.741	8.7	83	-0.01
32		Benzo(a)anthracene	1.395	1.290	7.5	86	-0.02
33		Chrysene	1.496	1.494	0.1	90	-0.02
34		Bis(2-ethylhexyl)phthalate	0.414	0.428	-3.4	102	-0.02
35	I	Perylene-d12	1.000	1.000	0.0	93	-0.02
36		Indeno(1,2,3-cd)pyrene	1.681	1.715	-2.0	103	-0.03
37		Benzo(b)fluoranthene	1.575	1.582	-0.4	95	-0.01
38		Benzo(k)fluoranthene	1.606	1.574	2.0	96	-0.02
39	C	Benzo(a)pyrene	1.261	1.221	3.2	95	-0.02
40		Dibenzo(a,h)anthracene	1.342	1.332	0.7	102	-0.03
41		Benzo(g,h,i)perylene	1.506	1.492	0.9	96	-0.03

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091925\
Data File : BN037830.D
Acq On : 20 Sep 2025 00:39
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Quant Time: Sep 20 01:04:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	0.400	0.400	0.0	95	-0.01
2		1,4-Dioxane	0.400	0.379	5.3	89	0.00
3		n-Nitrosodimethylamine	0.400	0.399	0.3	92	0.00
4	S	2-Fluorophenol	0.400	0.361	9.8	89	0.00
5	S	Phenol-d6	0.400	0.365	8.8	90	0.00
6		bis(2-Chloroethyl)ether	0.400	0.376	6.0	89	-0.01
7	I	Naphthalene-d8	0.400	0.400	0.0	97	-0.01
8	S	Nitrobenzene-d5	0.400	0.386	3.5	96	-0.01
9		Naphthalene	0.400	0.381	4.8	94	-0.01
10		Hexachlorobutadiene	0.400	0.389	2.8	95	-0.02
11	SURR	2-Methylnaphthalene-d10	0.400	0.355	11.3	92	-0.02
12		2-Methylnaphthalene	0.400	0.370	7.5	92	-0.02
13	I	Acenaphthene-d10	0.400	0.400	0.0	93	-0.01
14	S	2,4,6-Tribromophenol	0.400	0.404	-1.0	97	-0.01
15	S	2-Fluorobiphenyl	0.400	0.388	3.0	91	-0.01
16		Acenaphthylene	0.400	0.370	7.5	88	-0.01
17		Acenaphthene	0.400	0.382	4.5	91	-0.01
18		Fluorene	0.400	0.352	12.0	85	-0.01
19	I	Phenanthrene-d10	0.400	0.400	0.0	83	-0.01
20		4,6-Dinitro-2-methylphenol	0.400	0.297	25.8#	69	-0.01
21		4-Bromophenyl-phenylether	0.400	0.383	4.3	82	-0.01
22		Hexachlorobenzene	0.400	0.424	-6.0	90	-0.01
23		Atrazine	0.400	0.361	9.8	82	-0.01
24		Pentachlorophenol	0.400	0.408	-2.0	99	-0.01
25		Phenanthrene	0.400	0.383	4.3	82	-0.01
26		Anthracene	0.400	0.369	7.8	80	-0.01
27	SURR	Fluoranthene-d10	0.400	0.387	3.3	86	-0.01
28		Fluoranthene	0.400	0.402	-0.5	88	0.00
29	I	Chrysene-d12	0.400	0.400	0.0	90	-0.02
30		Pyrene	0.400	0.388	3.0	88	-0.01
31	S	Terphenyl-d14	0.400	0.365	8.8	83	-0.01
32		Benzo(a)anthracene	0.400	0.370	7.5	86	-0.02
33		Chrysene	0.400	0.399	0.3	90	-0.02
34		Bis(2-ethylhexyl)phthalate	0.400	0.414	-3.5	102	-0.02
35	I	Perylene-d12	0.400	0.400	0.0	93	-0.02
36		Indeno(1,2,3-cd)pyrene	0.400	0.408	-2.0	103	-0.03
37		Benzo(b)fluoranthene	0.400	0.402	-0.5	95	-0.01
38		Benzo(k)fluoranthene	0.400	0.392	2.0	96	-0.02
39	C	Benzo(a)pyrene	0.400	0.387	3.3	95	-0.02
40		Dibenzo(a,h)anthracene	0.400	0.397	0.8	102	-0.03
41		Benzo(g,h,i)perylene	0.400	0.396	1.0	96	-0.03

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

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO15

Lab Code: ACE SDG No.: Q3095

Instrument ID: BNA_N Calibration Date/Time: 09/20/2025 02:35

Lab File ID: BN037832.D Init. Calib. Date(s): 09/11/2025 09/11/2025

EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 09:56 13:33

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.530	0.469		-11.5	20.0
Fluoranthene-d10	1.004	0.832		-17.1	20.0
2-Fluorophenol	0.918	0.870		-5.2	20.0
Phenol-d6	1.191	1.110		-6.8	20.0
Nitrobenzene-d5	0.293	0.281		-4.1	20.0
2-Fluorobiphenyl	1.673	1.666		-0.4	20.0
2,4,6-Tribromophenol	0.104	0.112		7.7	20.0
Terphenyl-d14	0.812	0.693		-14.7	20.0
1,4-Dioxane	0.417	0.400		-4.1	20.0

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091925\
Data File : BN037832.D
Acq On : 20 Sep 2025 02:35
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Sep 20 04:26:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

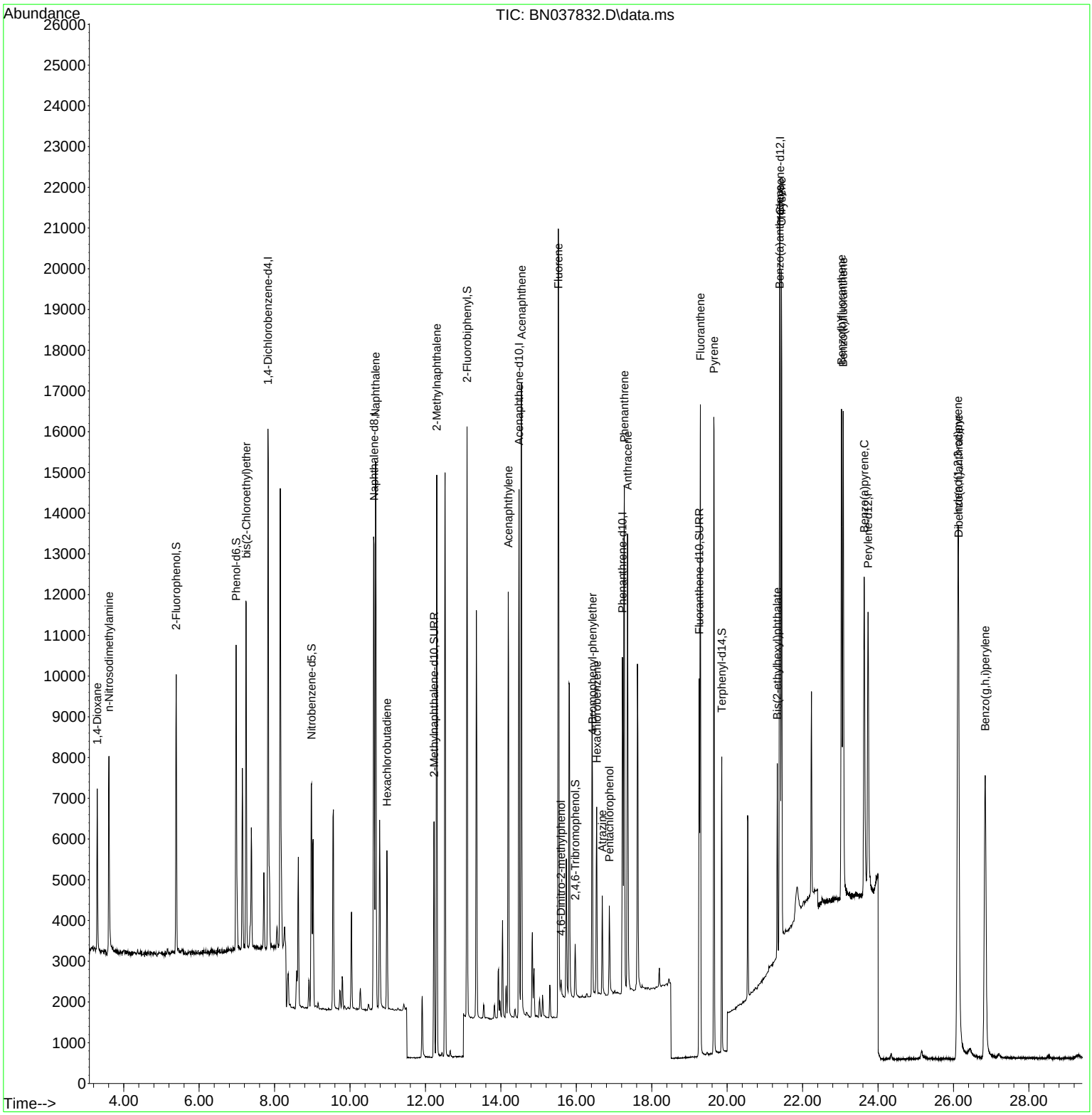
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.825	152	6232	0.400	ng		-0.01
7) Naphthalene-d8	10.637	136	16500	0.400	ng		#-0.01
13) Acenaphthene-d10	14.484	164	7183	0.400	ng		-0.01
19) Phenanthrene-d10	17.223	188	11907	0.400	ng		-0.01
29) Chrysene-d12	21.402	240	9777	0.400	ng		#-0.02
35) Perylene-d12	23.736	264	10066	0.400	ng		#-0.02
System Monitoring Compounds							
4) 2-Fluorophenol	5.392	112	5424	0.379	ng		0.00
5) Phenol-d6	6.980	99	6919	0.373	ng		0.00
8) Nitrobenzene-d5	8.982	82	4642	0.385	ng		-0.01
11) 2-Methylnaphthalene-d10	12.227	152	7736	0.354	ng		-0.02
14) 2,4,6-Tribromophenol	15.969	330	801	0.428	ng		-0.01
15) 2-Fluorobiphenyl	13.105	172	11968	0.398	ng		-0.01
27) Fluoranthene-d10	19.257	212	9903	0.331	ng		-0.01
31) Terphenyl-d14	19.856	244	6777	0.342	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.297	88	2495	0.384	ng		95
3) n-Nitrosodimethylamine	3.608	42	2977	0.351	ng	#	86
6) bis(2-Chloroethyl)ether	7.248	93	6444	0.389	ng		99
9) Naphthalene	10.680	128	17368	0.385	ng		99
10) Hexachlorobutadiene	10.979	225	3074	0.377	ng	#	100
12) 2-Methylnaphthalene	12.298	142	10342	0.371	ng		100
16) Acenaphthylene	14.195	152	12222	0.371	ng		99
17) Acenaphthene	14.548	154	8331	0.374	ng		97
18) Fluorene	15.522	166	9643	0.357	ng		99
20) 4,6-Dinitro-2-methylph...	15.597	198	300	0.272	ng	#	66
21) 4-Bromophenyl-phenylether	16.429	248	3001	0.386	ng		97
22) Hexachlorobenzene	16.540	284	3776	0.423	ng		99
23) Atrazine	16.689	200	1825	0.369	ng		96
24) Pentachlorophenol	16.875	266	1159	0.447	ng		97
25) Phenanthrene	17.273	178	14378	0.384	ng		99
26) Anthracene	17.360	178	12209	0.368	ng		100
28) Fluoranthene	19.290	202	14335	0.349	ng		100
30) Pyrene	19.647	202	14225	0.372	ng		100
32) Benzo(a)anthracene	21.393	228	13107	0.384	ng		100
33) Chrysene	21.438	228	14113	0.386	ng		99
34) Bis(2-ethylhexyl)phtha...	21.331	149	4249	0.420	ng	#	99
36) Indeno(1,2,3-cd)pyrene	26.118	276	18036	0.426	ng		100
37) Benzo(b)fluoranthene	23.031	252	15833	0.399	ng	#	95
38) Benzo(k)fluoranthene	23.078	252	15748	0.390	ng	#	95
39) Benzo(a)pyrene	23.633	252	12481	0.393	ng	#	93
40) Dibenzo(a,h)anthracene	26.136	278	14128	0.418	ng		97
41) Benzo(g,h,i)perylene	26.841	276	16240	0.429	ng		99

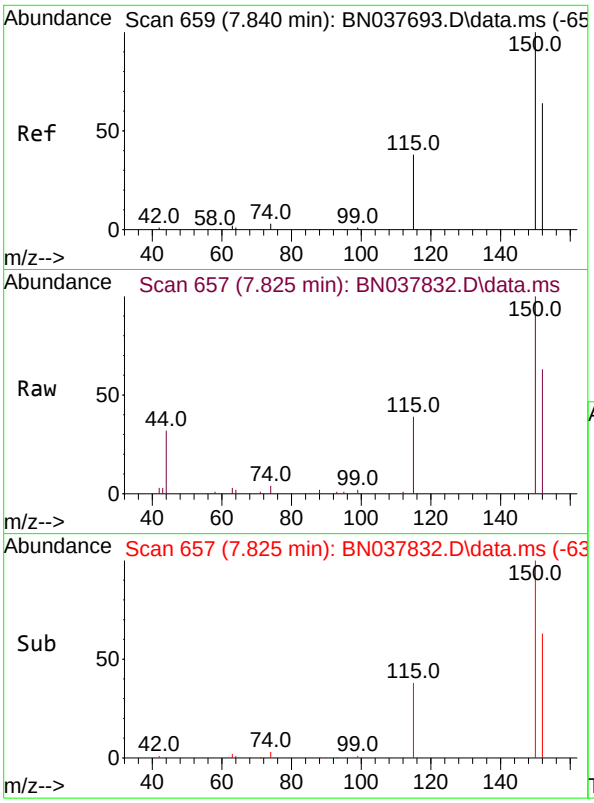
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091925\
Data File : BN037832.D
Acq On : 20 Sep 2025 02:35
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Sep 20 04:26:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration



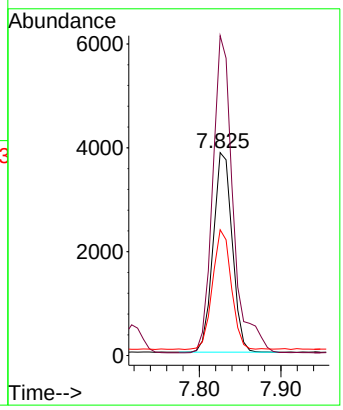


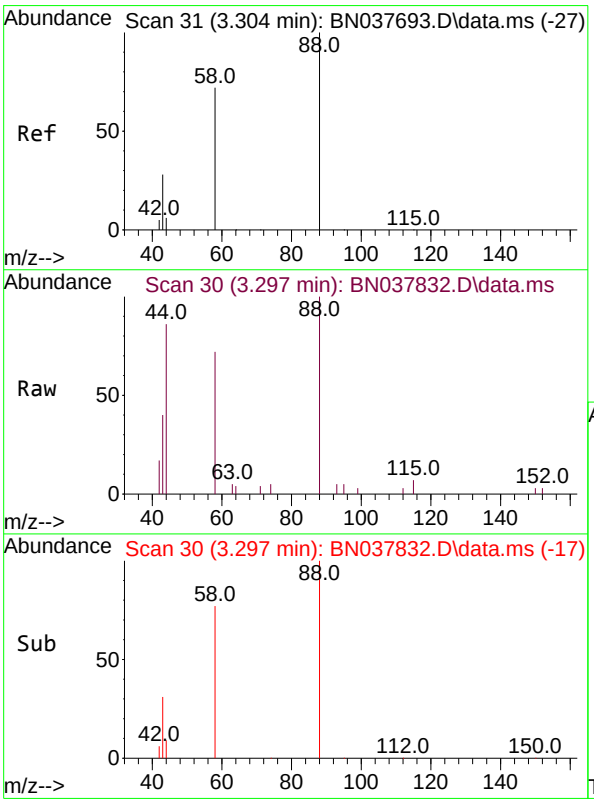
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.825 min Scan# 6
Delta R.T. -0.015 min
Lab File: BN037832.D
Acq: 20 Sep 2025 02:35

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 6232

Ion	Ratio	Lower	Upper
152	100		
150	157.7	124.5	186.7
115	62.0	49.2	73.8

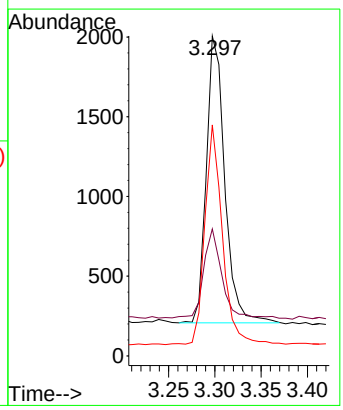


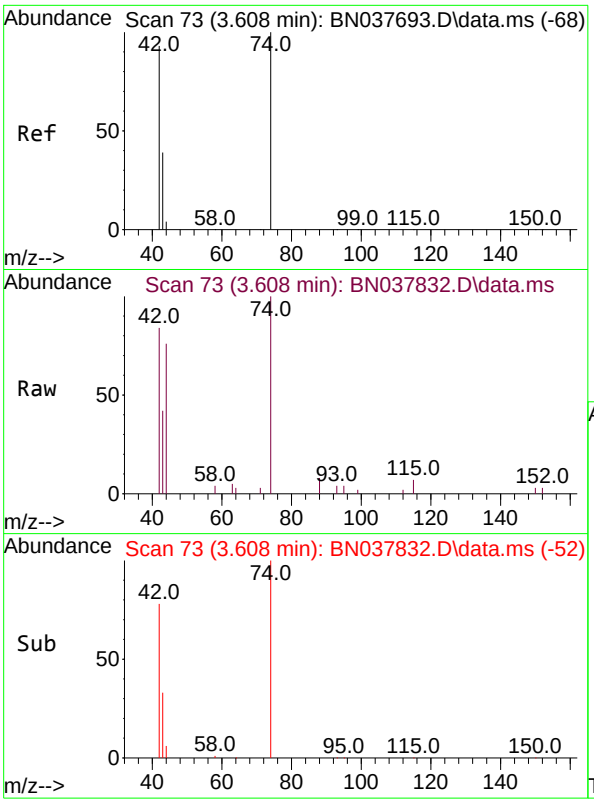


#2
1,4-Dioxane
Concen: 0.384 ng
RT: 3.297 min Scan# 30
Delta R.T. -0.007 min
Lab File: BN037832.D
Acq: 20 Sep 2025 02:35

Tgt Ion: 88 Resp: 2495

Ion	Ratio	Lower	Upper
88	100		
43	30.4	26.8	40.2
58	73.1	61.9	92.9



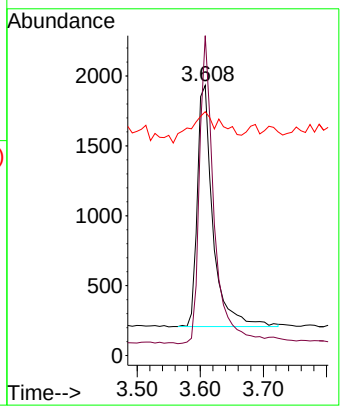


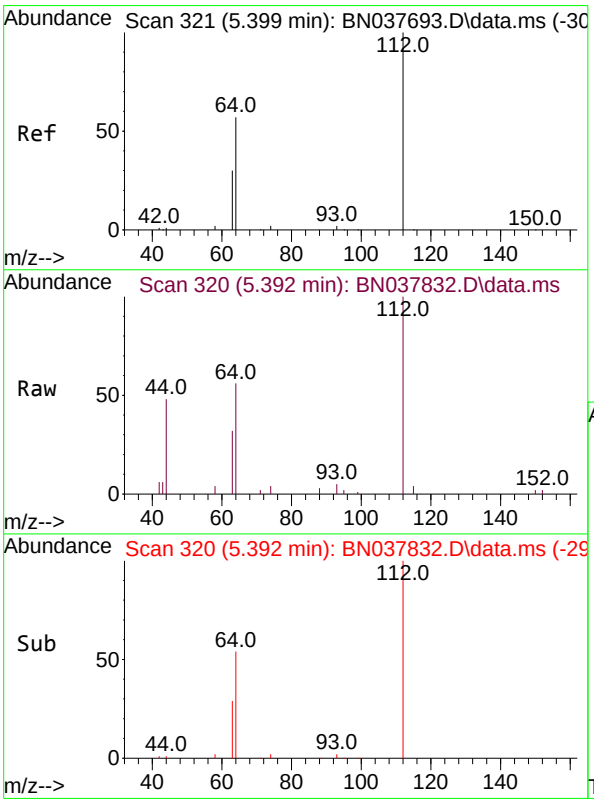
#3
n-Nitrosodimethylamine
Concen: 0.351 ng
RT: 3.608 min Scan# 7
Delta R.T. -0.000 min
Lab File: BN037832.D
Acq: 20 Sep 2025 02:35

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 2977

Ion	Ratio	Lower	Upper
42	100		
74	119.4	86.0	129.0
44	26.8	8.4	12.6#

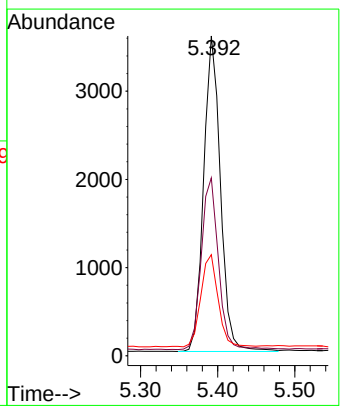


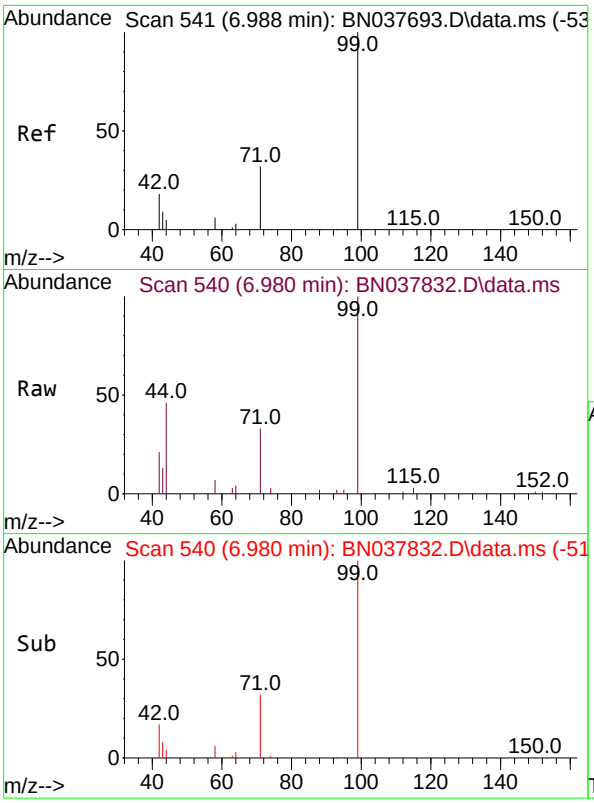


#4
2-Fluorophenol
Concen: 0.379 ng
RT: 5.392 min Scan# 320
Delta R.T. -0.007 min
Lab File: BN037832.D
Acq: 20 Sep 2025 02:35

Tgt Ion:112 Resp: 5424

Ion	Ratio	Lower	Upper
112	100		
64	55.6	44.9	67.3
63	29.8	24.7	37.1



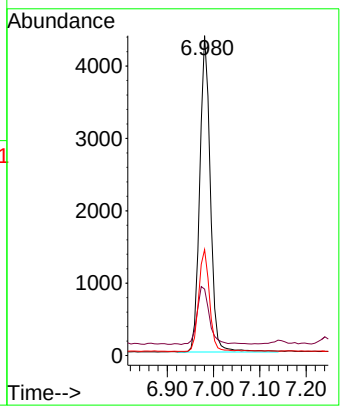


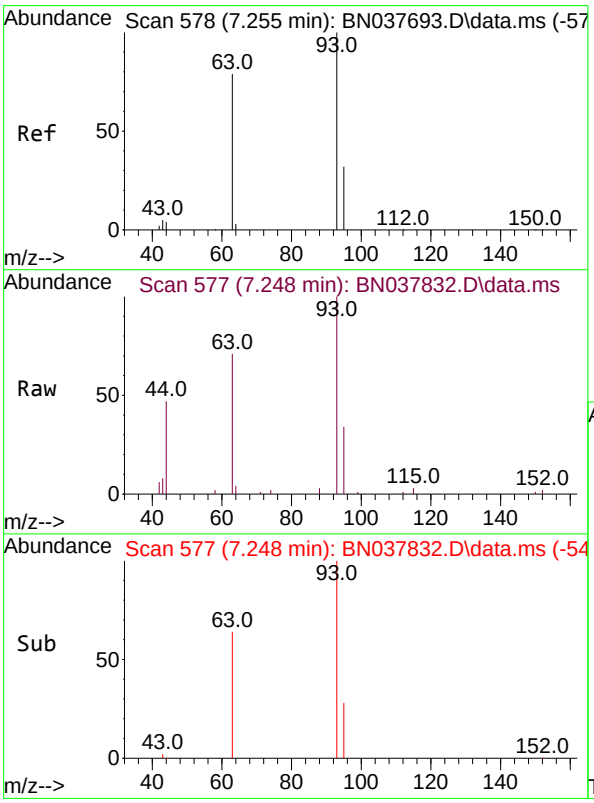
#5
Phenol-d6
Concen: 0.373 ng
RT: 6.980 min Scan# 54
Delta R.T. -0.007 min
Lab File: BN037832.D
Acq: 20 Sep 2025 02:35

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 6919

Ion	Ratio	Lower	Upper
99	100		
42	21.0	16.6	24.8
71	33.0	26.7	40.1

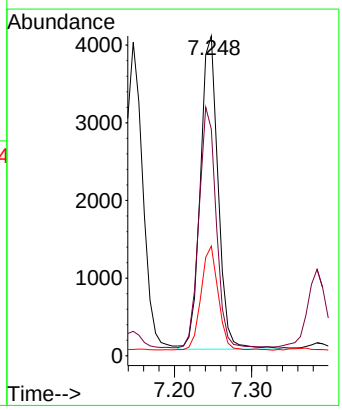


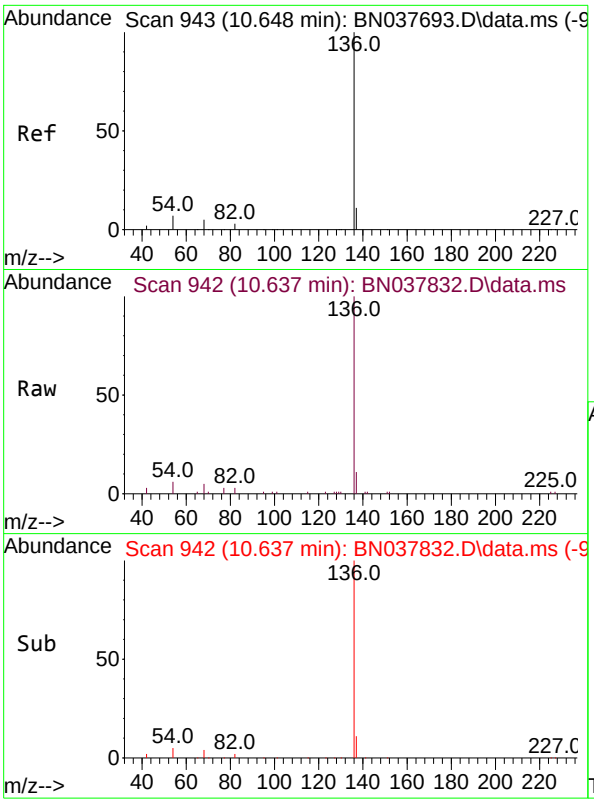


#6
bis(2-Chloroethyl)ether
Concen: 0.389 ng
RT: 7.248 min Scan# 577
Delta R.T. -0.007 min
Lab File: BN037832.D
Acq: 20 Sep 2025 02:35

Tgt Ion: 93 Resp: 6444

Ion	Ratio	Lower	Upper
93	100		
63	75.0	60.6	90.8
95	32.4	26.0	39.0



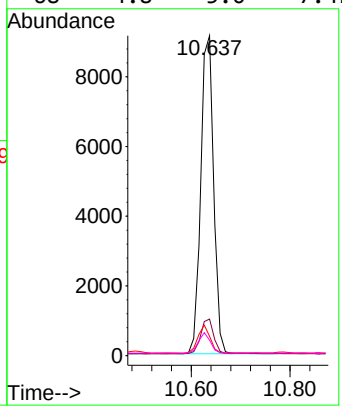


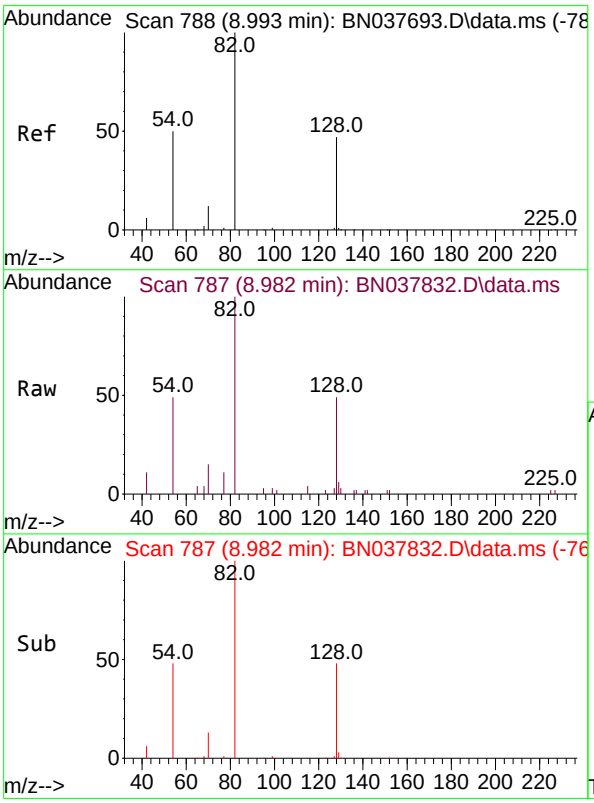
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.637 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037832.D
Acq: 20 Sep 2025 02:35

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 16500

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	6.0	6.3	9.5#
68	4.8	5.0	7.4#

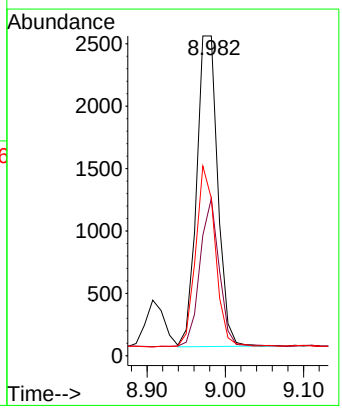


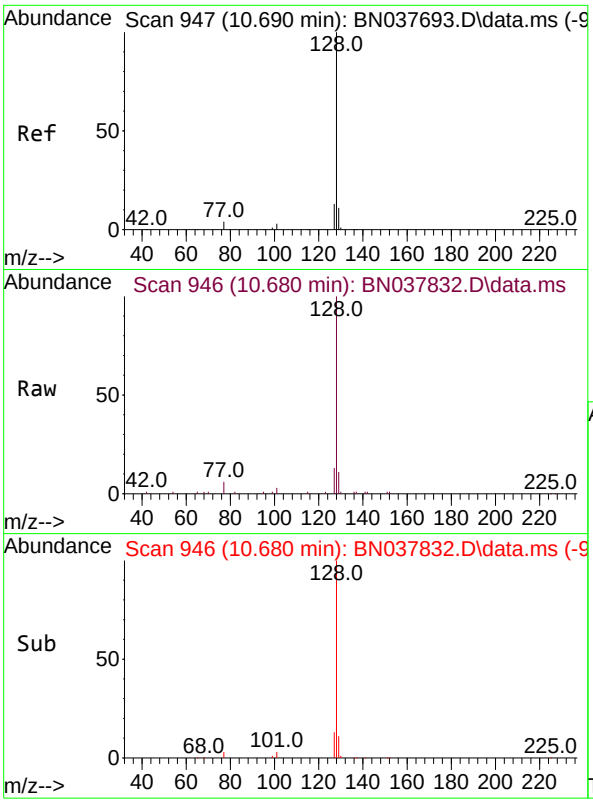


#8
Nitrobenzene-d5
Concen: 0.385 ng
RT: 8.982 min Scan# 787
Delta R.T. -0.011 min
Lab File: BN037832.D
Acq: 20 Sep 2025 02:35

Tgt Ion: 82 Resp: 4642

Ion	Ratio	Lower	Upper
82	100		
128	49.2	38.3	57.5
54	49.2	41.4	62.2



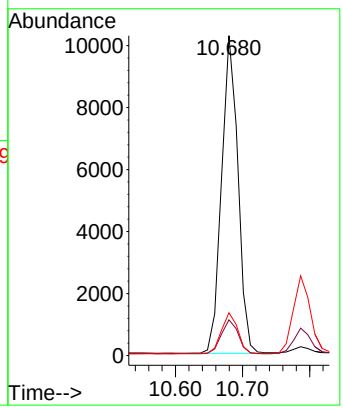


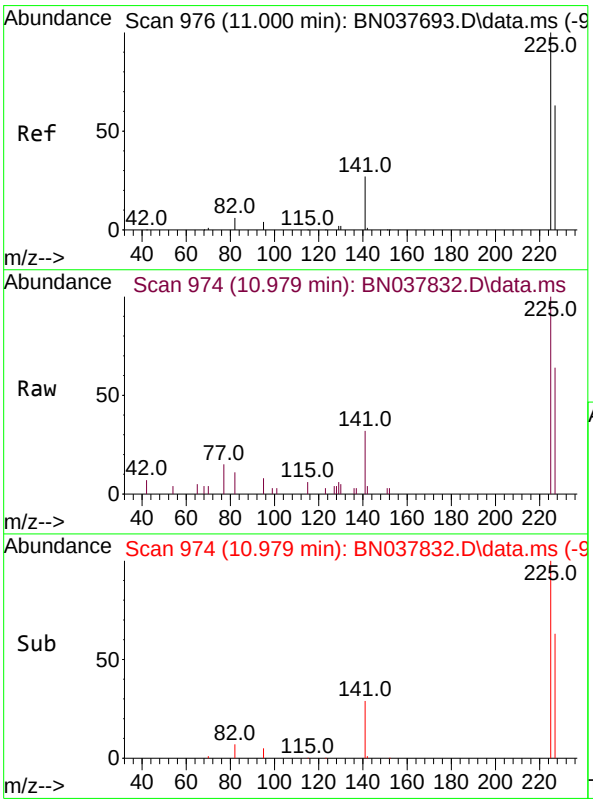
#9
Naphthalene
Concen: 0.385 ng
RT: 10.680 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037832.D
Acq: 20 Sep 2025 02:35

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 17368

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.1	13.7
127	13.4	10.9	16.3

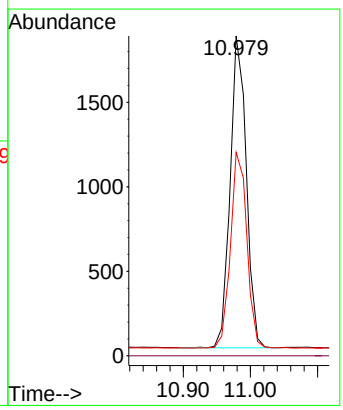


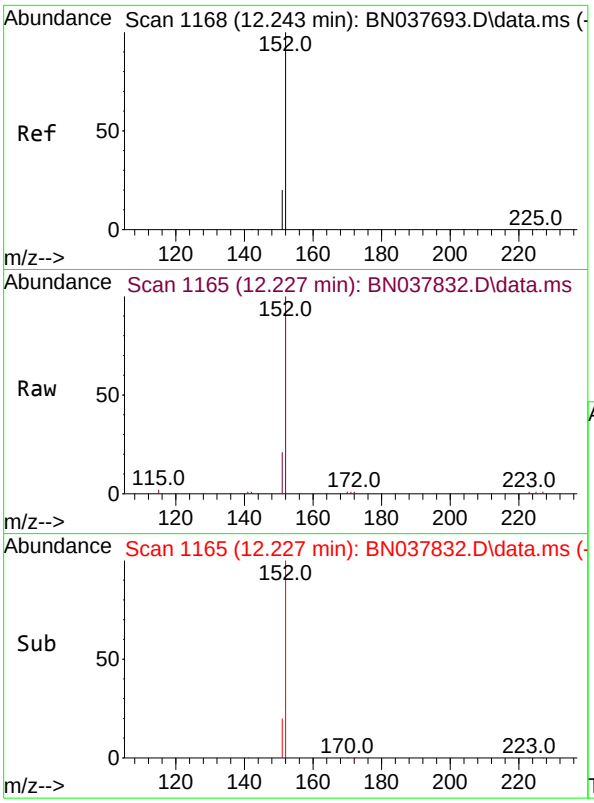


#10
Hexachlorobutadiene
Concen: 0.377 ng
RT: 10.979 min Scan# 974
Delta R.T. -0.021 min
Lab File: BN037832.D
Acq: 20 Sep 2025 02:35

Tgt Ion:225 Resp: 3074

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.5	50.9	76.3



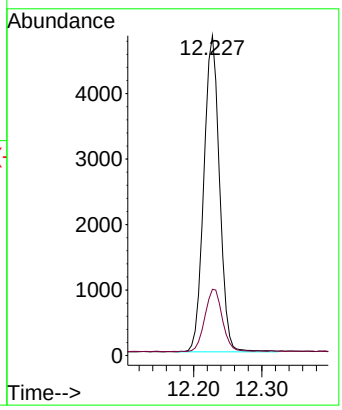


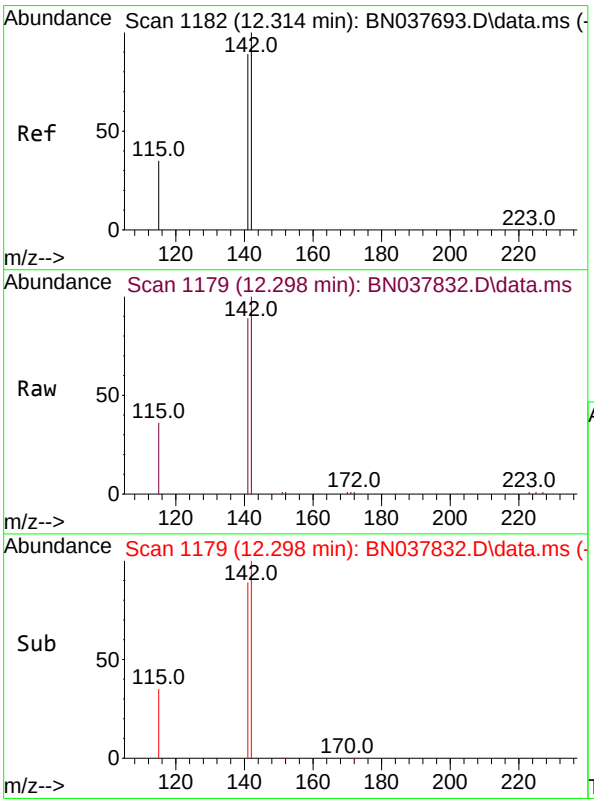
#11
2-Methylnaphthalene-d10
Concen: 0.354 ng
RT: 12.227 min Scan# 11
Delta R.T. -0.015 min
Lab File: BN037832.D
Acq: 20 Sep 2025 02:35

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 7736

Ion	Ratio	Lower	Upper
152	100		
151	22.1	17.0	25.6

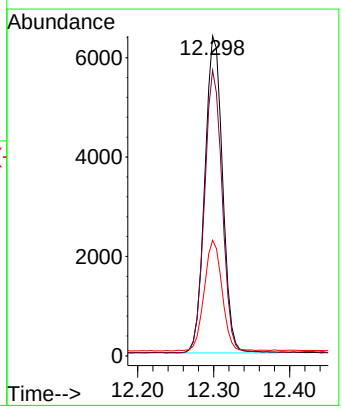


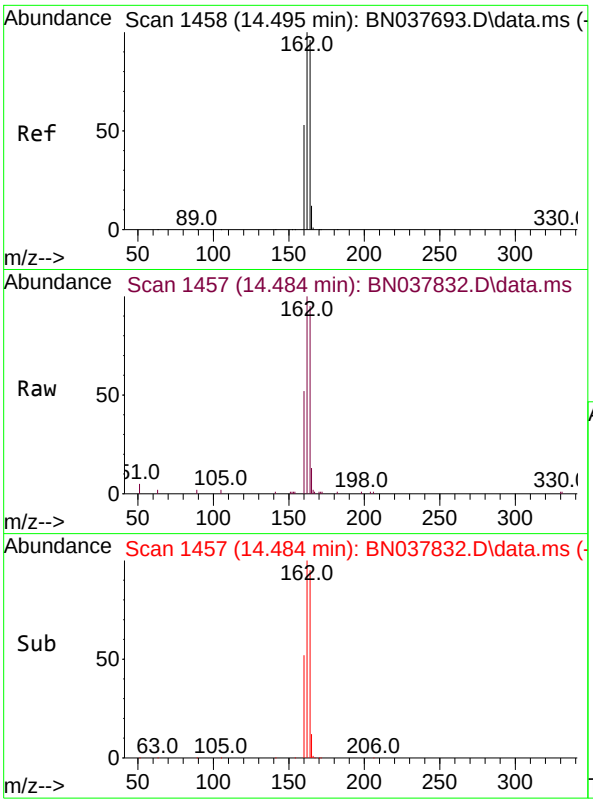


#12
2-Methylnaphthalene
Concen: 0.371 ng
RT: 12.298 min Scan# 1179
Delta R.T. -0.015 min
Lab File: BN037832.D
Acq: 20 Sep 2025 02:35

Tgt Ion:142 Resp: 10342

Ion	Ratio	Lower	Upper
142	100		
141	89.3	71.6	107.4
115	36.1	28.6	43.0



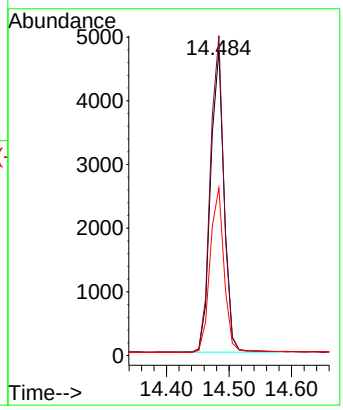


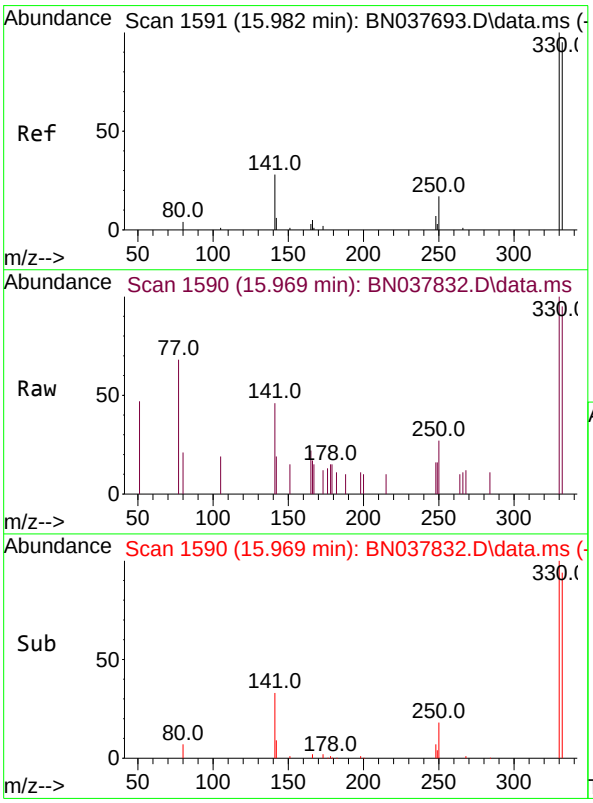
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.484 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN037832.D
Acq: 20 Sep 2025 02:35

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 7183

Ion	Ratio	Lower	Upper
164	100		
162	104.8	83.1	124.7
160	54.9	44.3	66.5

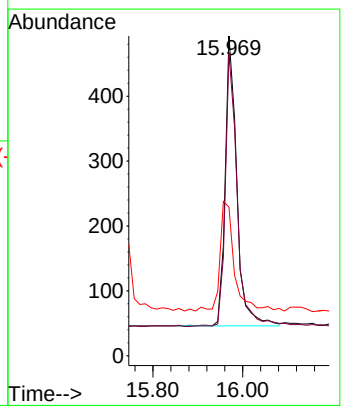


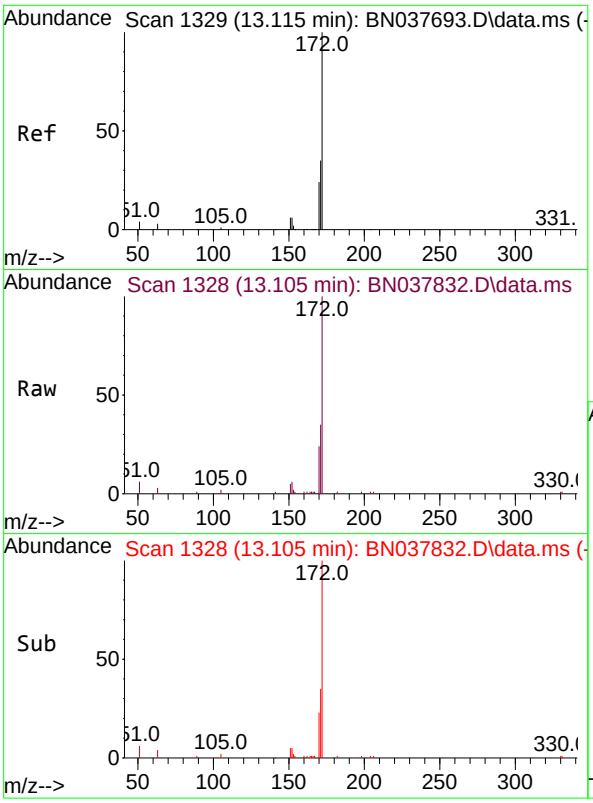


#14
2,4,6-Tribromophenol
Concen: 0.428 ng
RT: 15.969 min Scan# 1590
Delta R.T. -0.013 min
Lab File: BN037832.D
Acq: 20 Sep 2025 02:35

Tgt Ion:330 Resp: 801

Ion	Ratio	Lower	Upper
330	100		
332	96.4	75.3	112.9
141	46.8	35.0	52.4



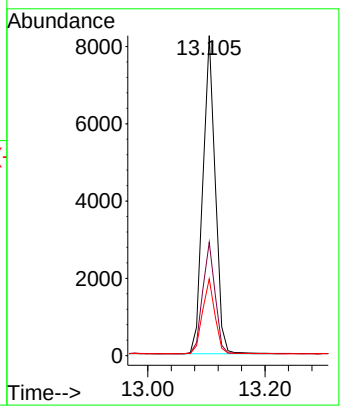


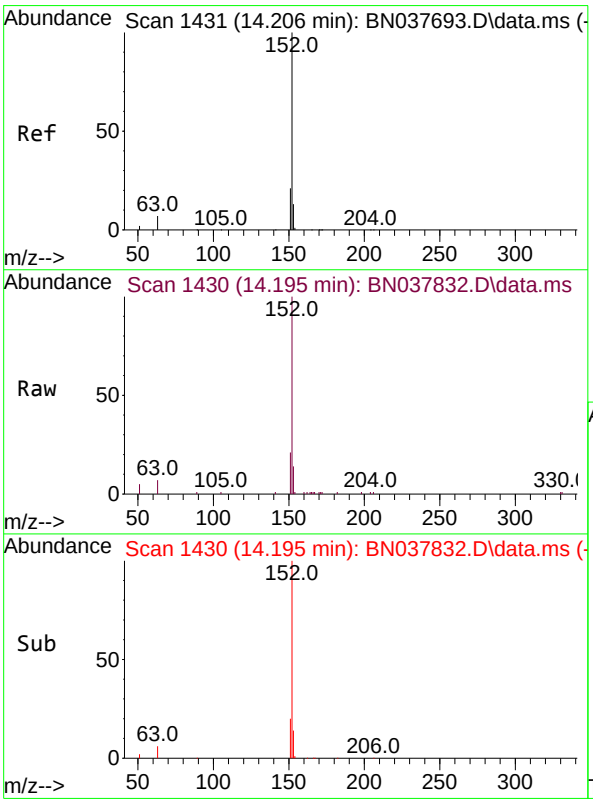
#15
2-Fluorobiphenyl
Concen: 0.398 ng
RT: 13.105 min Scan# 1
Delta R.T. -0.011 min
Lab File: BN037832.D
Acq: 20 Sep 2025 02:35

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 11968

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.6	43.0
170	24.0	19.8	29.8

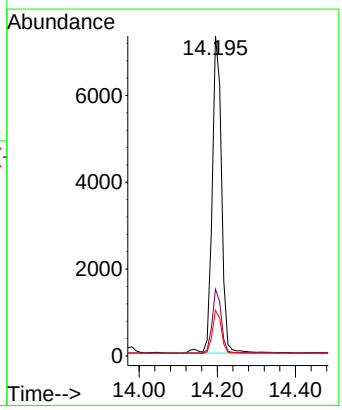


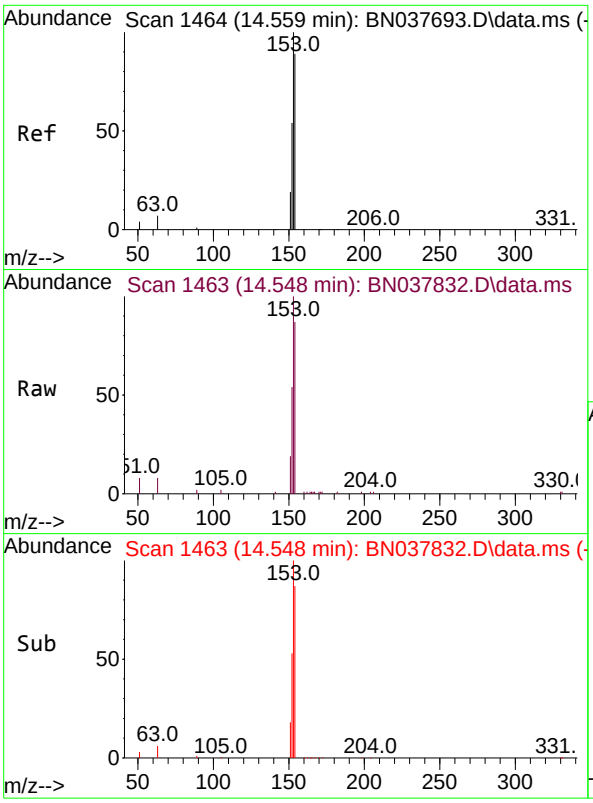


#16
Acenaphthylene
Concen: 0.371 ng
RT: 14.195 min Scan# 1430
Delta R.T. -0.011 min
Lab File: BN037832.D
Acq: 20 Sep 2025 02:35

Tgt Ion:152 Resp: 12222

Ion	Ratio	Lower	Upper
152	100		
151	19.5	16.2	24.2
153	12.6	10.4	15.6



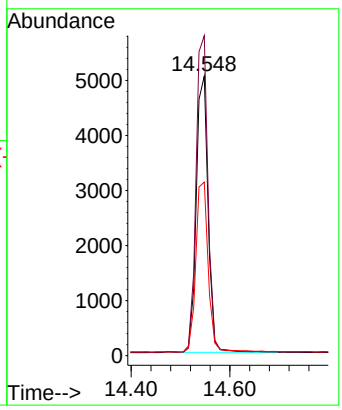


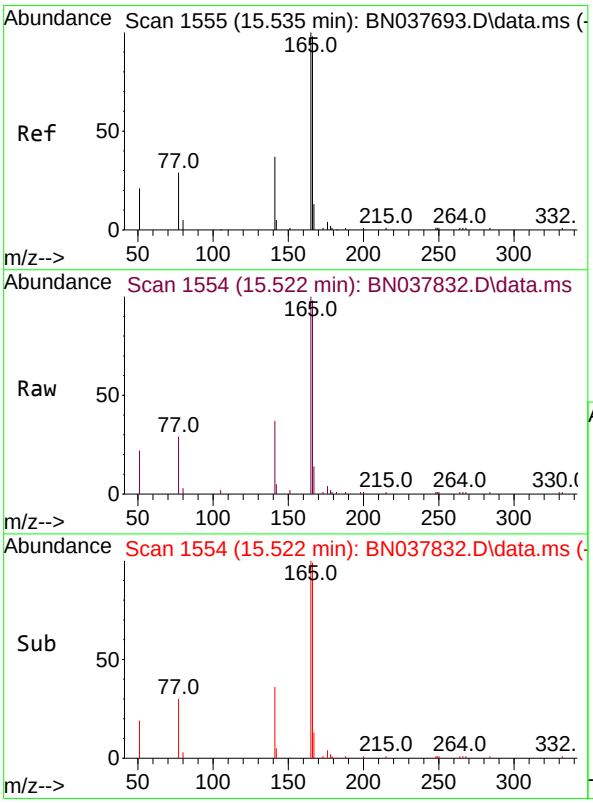
#17
Acenaphthene
Concen: 0.374 ng
RT: 14.548 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN037832.D
Acq: 20 Sep 2025 02:35

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 8331

Ion	Ratio	Lower	Upper
154	100		
153	116.5	89.8	134.8
152	64.6	50.2	75.2

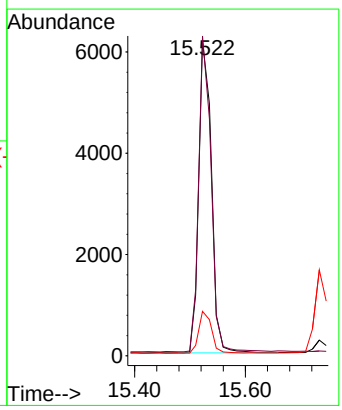


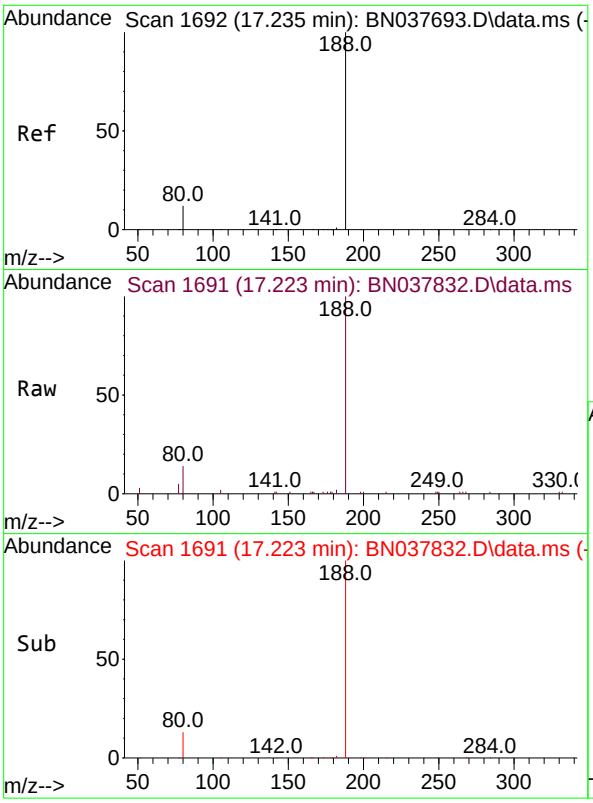


#18
Fluorene
Concen: 0.357 ng
RT: 15.522 min Scan# 1554
Delta R.T. -0.012 min
Lab File: BN037832.D
Acq: 20 Sep 2025 02:35

Tgt Ion:166 Resp: 9643

Ion	Ratio	Lower	Upper
166	100		
165	98.8	79.6	119.4
167	13.6	10.6	16.0



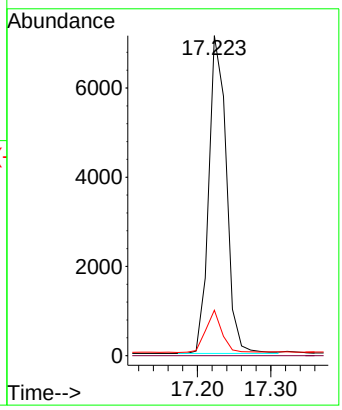


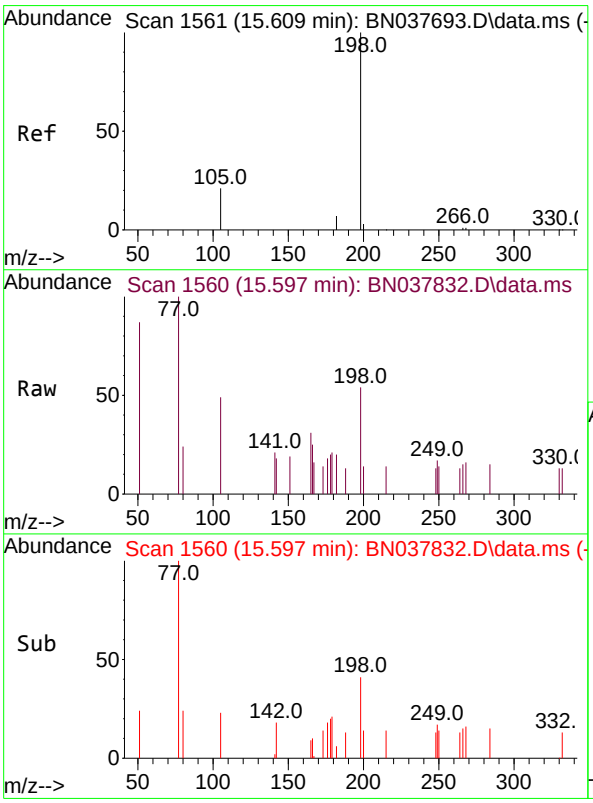
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.223 min Scan# 1
Delta R.T. -0.013 min
Lab File: BN037832.D
Acq: 20 Sep 2025 02:35

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 11907

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	14.2	10.6	15.8

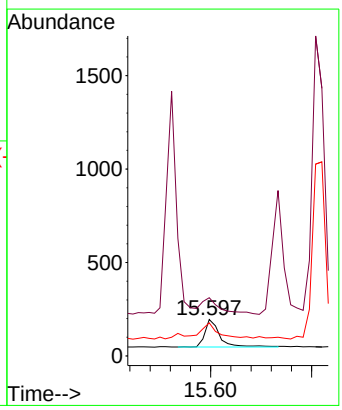


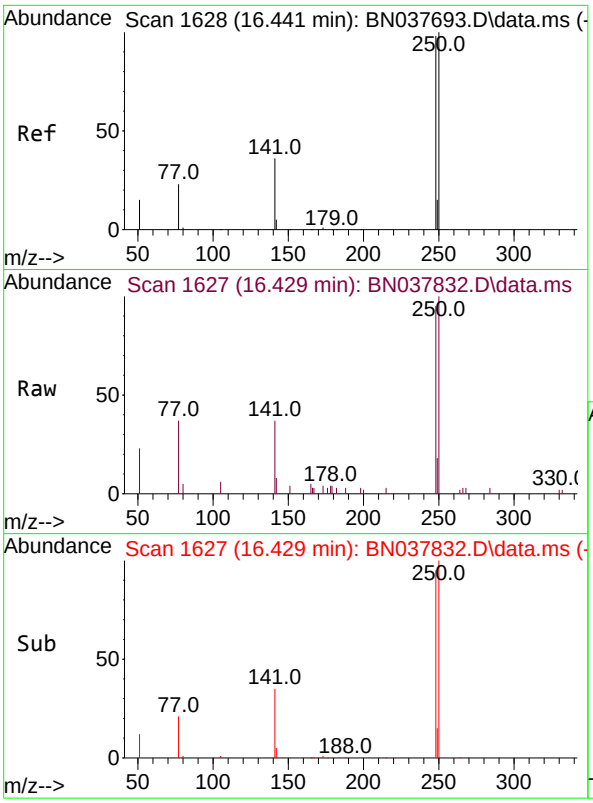


#20
4,6-Dinitro-2-methylphenol
Concen: 0.272 ng
RT: 15.597 min Scan# 1560
Delta R.T. -0.012 min
Lab File: BN037832.D
Acq: 20 Sep 2025 02:35

Tgt Ion:198 Resp: 300

Ion	Ratio	Lower	Upper
198	100		
51	160.0	95.1	142.7#
105	90.8	53.8	80.6#



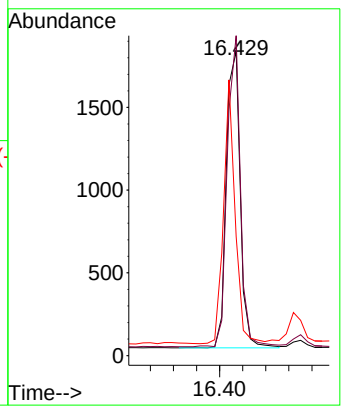


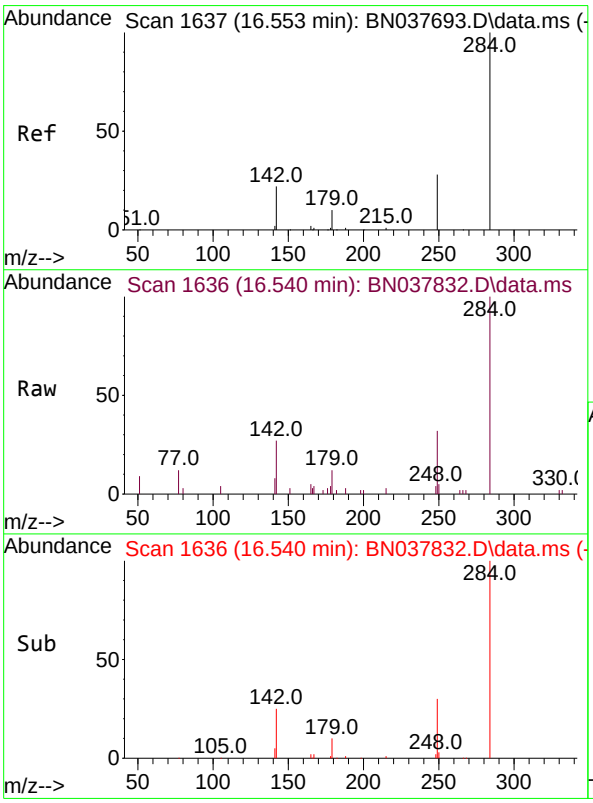
#21
4-Bromophenyl-phenylether
Concen: 0.386 ng
RT: 16.429 min Scan# 1
Delta R.T. -0.013 min
Lab File: BN037832.D
Acq: 20 Sep 2025 02:35

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:248 Resp: 3001

Ion	Ratio	Lower	Upper
248	100		
250	105.2	81.5	122.3
141	39.2	30.8	46.2

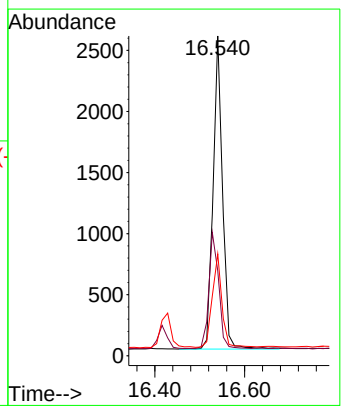


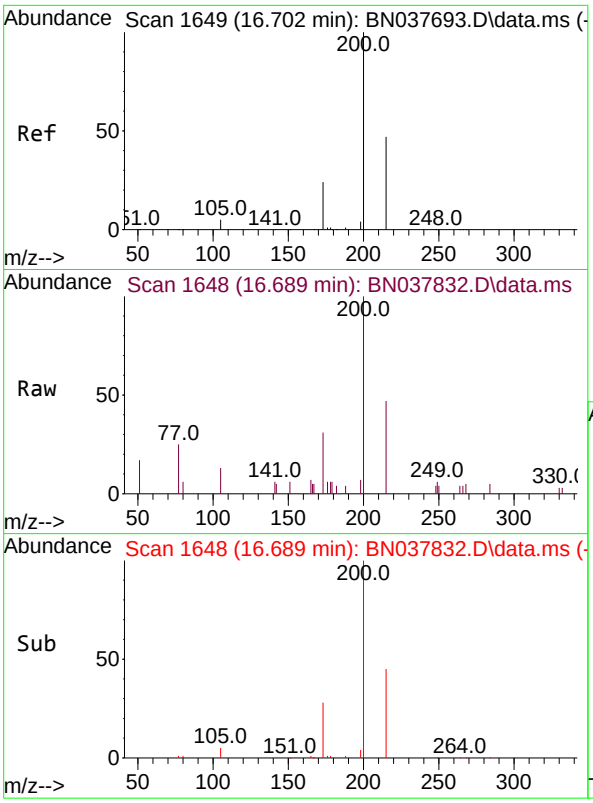


#22
Hexachlorobenzene
Concen: 0.423 ng
RT: 16.540 min Scan# 1636
Delta R.T. -0.013 min
Lab File: BN037832.D
Acq: 20 Sep 2025 02:35

Tgt Ion:284 Resp: 3776

Ion	Ratio	Lower	Upper
284	100		
142	38.3	30.9	46.3
249	30.2	24.8	37.2



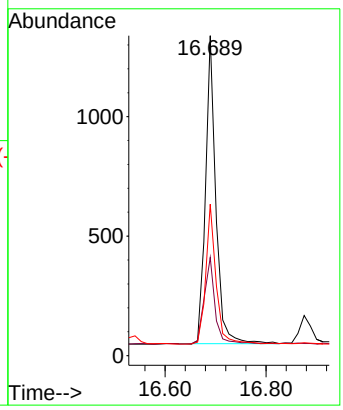


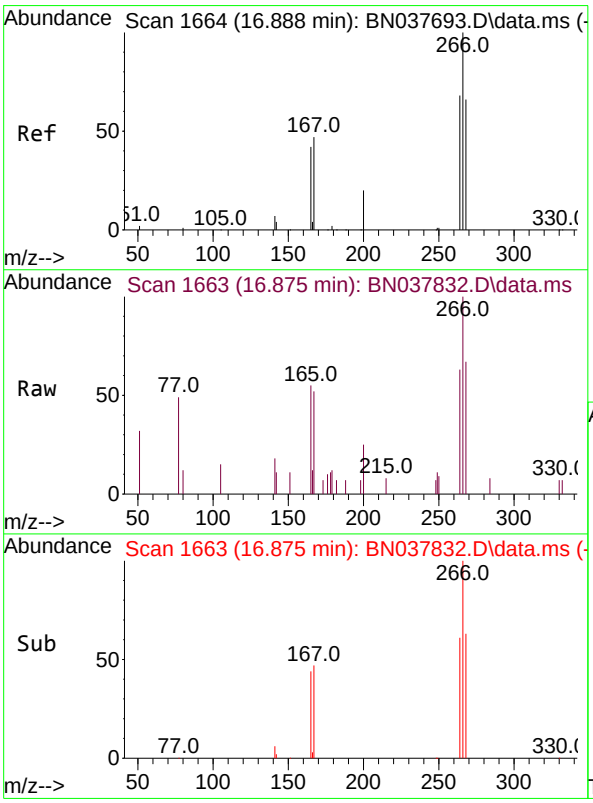
#23
Atrazine
Concen: 0.369 ng
RT: 16.689 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037832.D
Acq: 20 Sep 2025 02:35

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:200 Resp: 1825

Ion	Ratio	Lower	Upper
200	100		
173	30.7	21.4	32.2
215	47.3	39.2	58.8

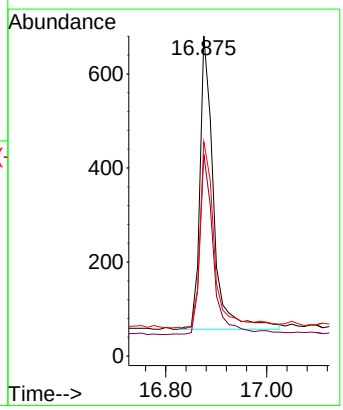


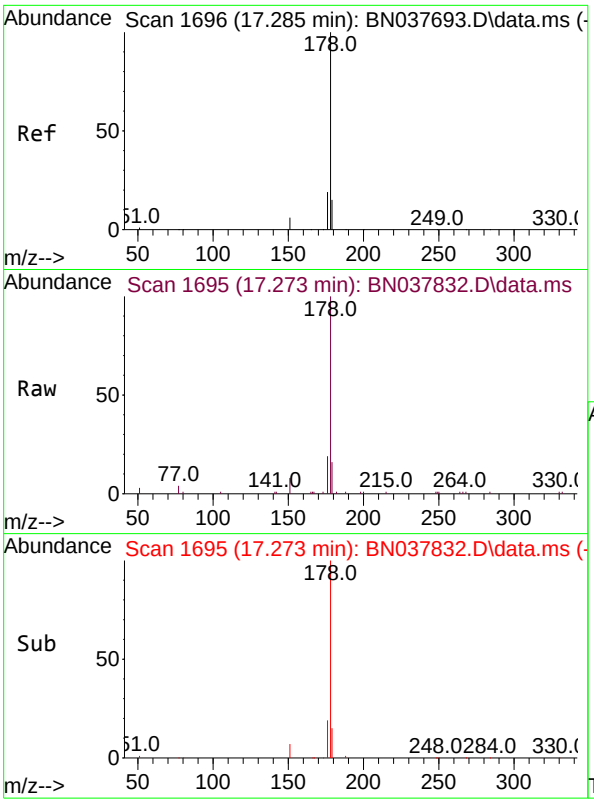


#24
Pentachlorophenol
Concen: 0.447 ng
RT: 16.875 min Scan# 1663
Delta R.T. -0.012 min
Lab File: BN037832.D
Acq: 20 Sep 2025 02:35

Tgt Ion:266 Resp: 1159

Ion	Ratio	Lower	Upper
266	100		
264	61.9	51.6	77.4
268	65.0	53.2	79.8



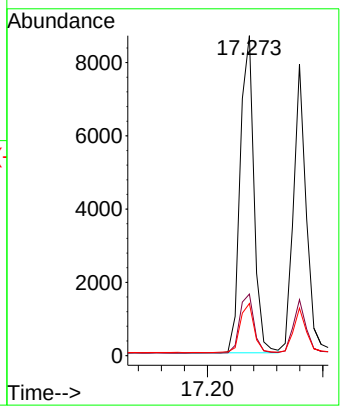


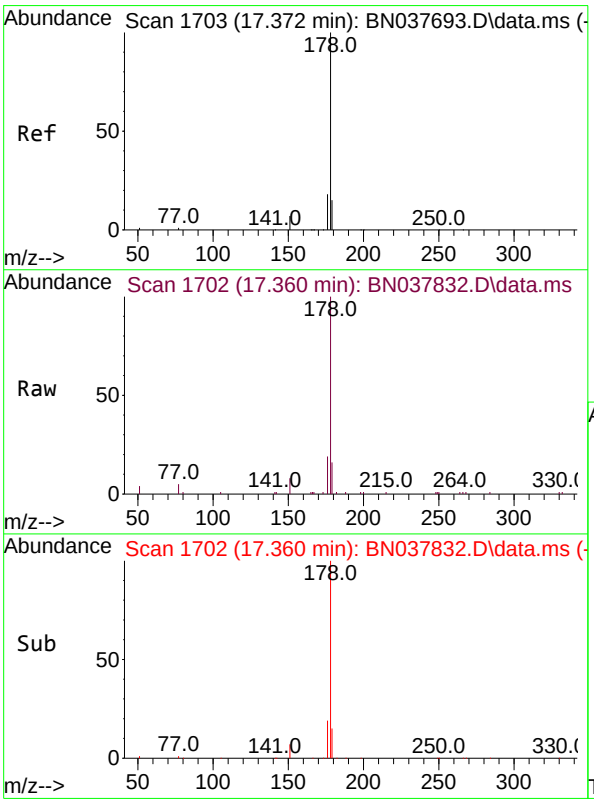
#25
Phenanthrene
Concen: 0.384 ng
RT: 17.273 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037832.D
Acq: 20 Sep 2025 02:35

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 14378

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.3	22.9
179	15.6	12.2	18.2

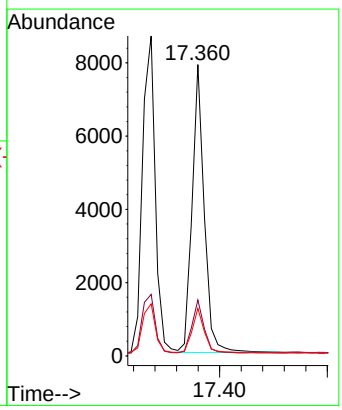


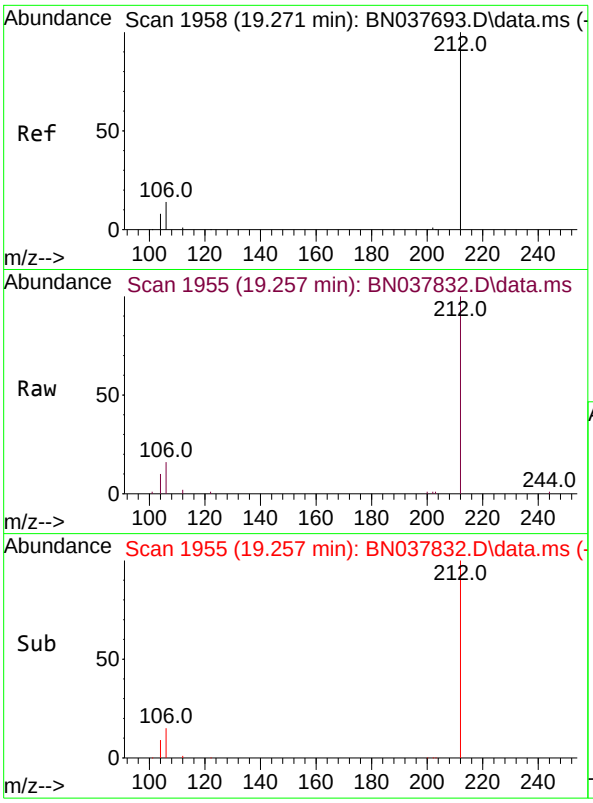


#26
Anthracene
Concen: 0.368 ng
RT: 17.360 min Scan# 1702
Delta R.T. -0.012 min
Lab File: BN037832.D
Acq: 20 Sep 2025 02:35

Tgt Ion:178 Resp: 12209

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.6	22.0
179	15.2	12.2	18.4



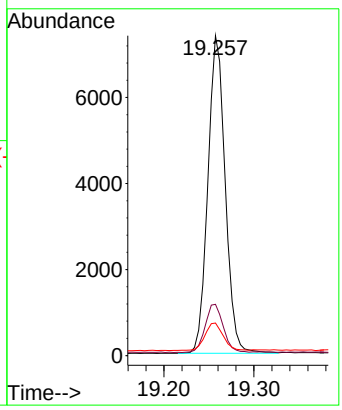


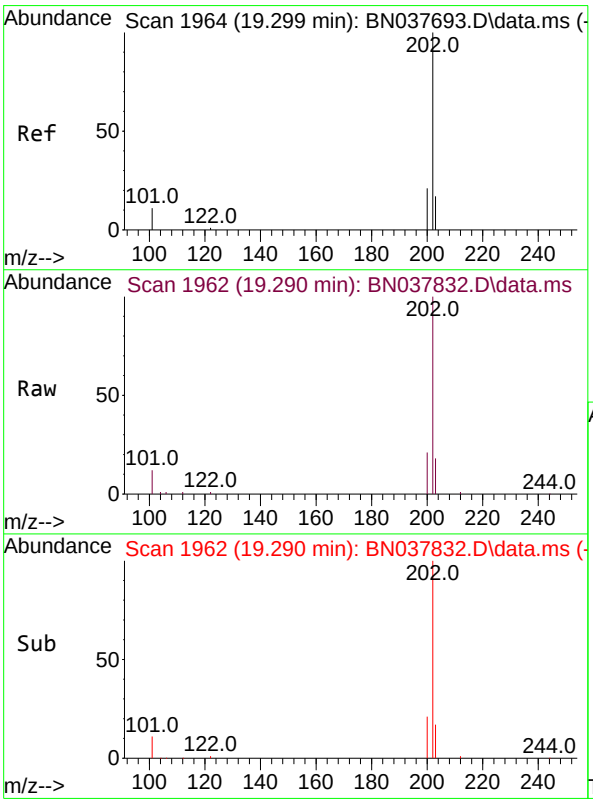
#27
Fluoranthene-d10
Concen: 0.331 ng
RT: 19.257 min Scan# 19
Delta R.T. -0.014 min
Lab File: BN037832.D
Acq: 20 Sep 2025 02:35

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 9903

Ion	Ratio	Lower	Upper
212	100		
106	15.7	12.2	18.2
104	9.1	6.9	10.3

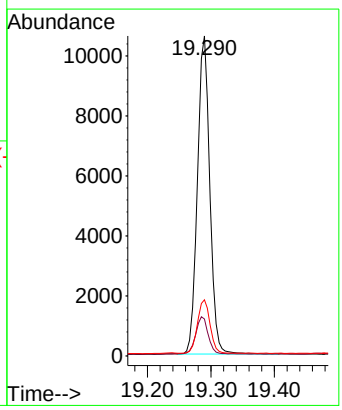


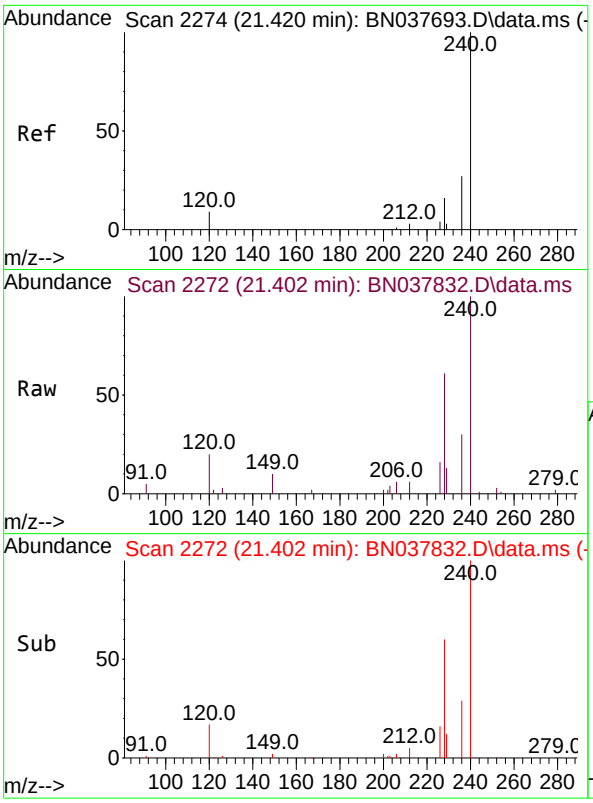


#28
Fluoranthene
Concen: 0.349 ng
RT: 19.290 min Scan# 1962
Delta R.T. -0.009 min
Lab File: BN037832.D
Acq: 20 Sep 2025 02:35

Tgt Ion:202 Resp: 14335

Ion	Ratio	Lower	Upper
202	100		
101	11.9	9.3	13.9
203	17.1	13.7	20.5



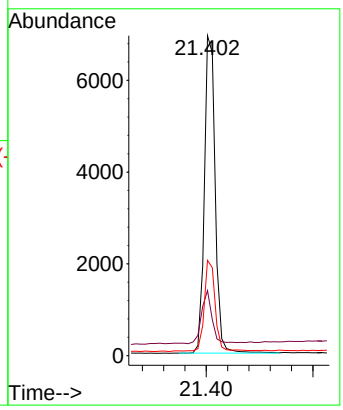


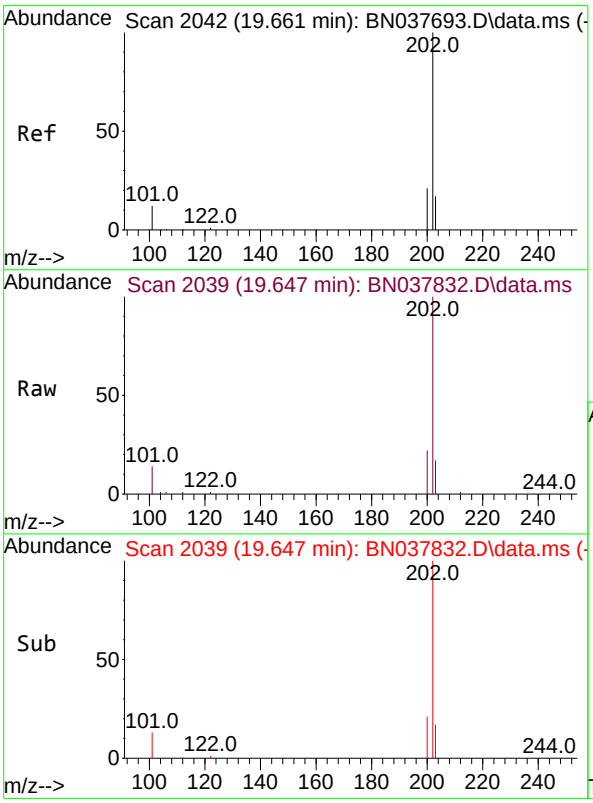
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.402 min Scan# 21
Delta R.T. -0.018 min
Lab File: BN037832.D
Acq: 20 Sep 2025 02:35

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 9777

Ion	Ratio	Lower	Upper
240	100		
120	20.3	9.2	13.8#
236	29.8	22.6	33.8

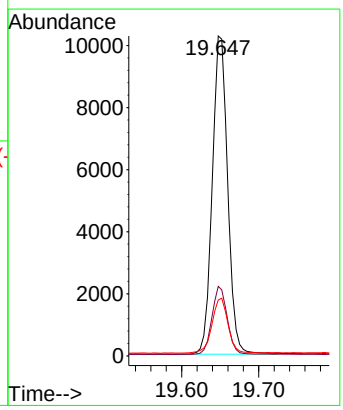


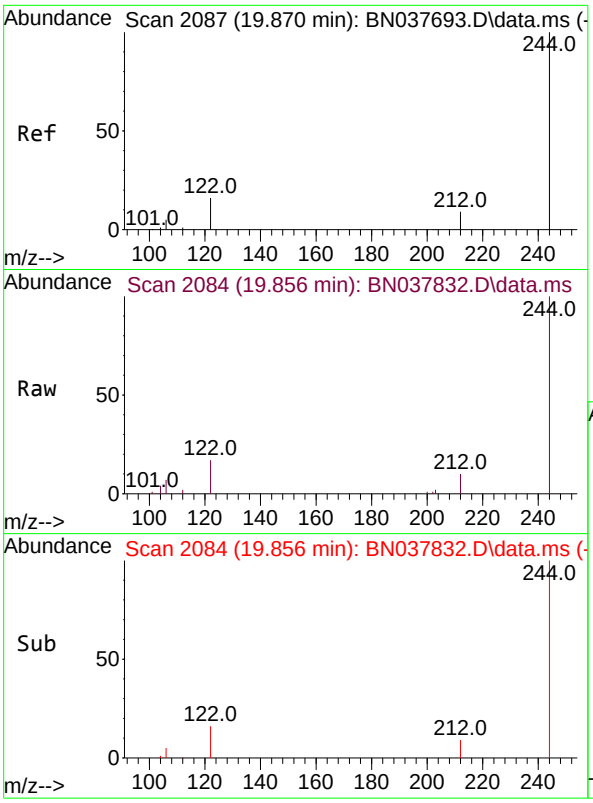


#30
Pyrene
Concen: 0.372 ng
RT: 19.647 min Scan# 2039
Delta R.T. -0.014 min
Lab File: BN037832.D
Acq: 20 Sep 2025 02:35

Tgt Ion:202 Resp: 14225

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.8	25.2
203	17.9	14.3	21.5



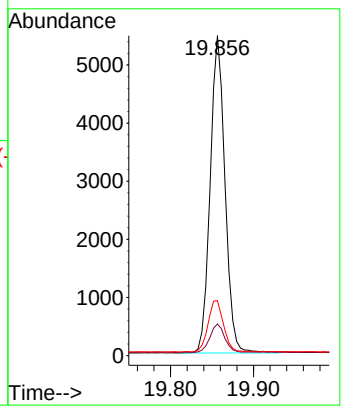


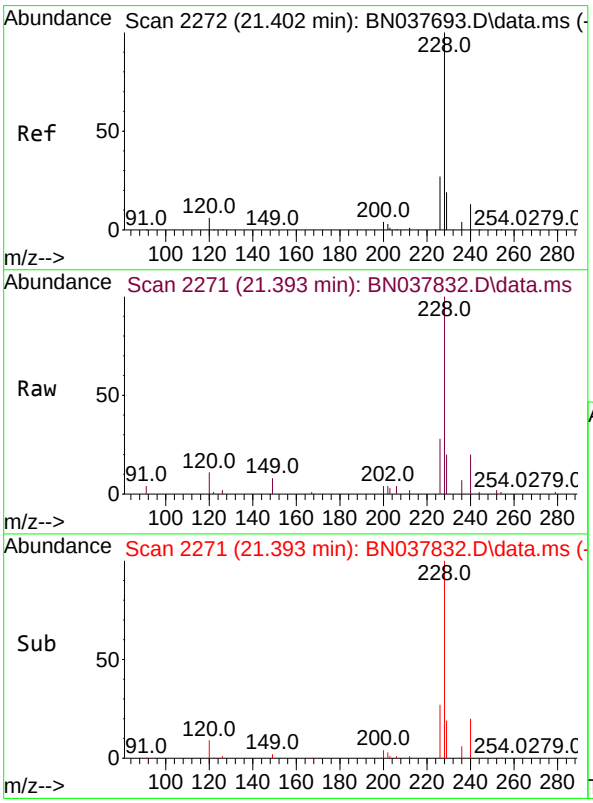
#31
Terphenyl-d14
Concen: 0.342 ng
RT: 19.856 min Scan# 2
Delta R.T. -0.014 min
Lab File: BN037832.D
Acq: 20 Sep 2025 02:35

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 6777

Ion	Ratio	Lower	Upper
244	100		
212	9.9	7.5	11.3
122	17.2	13.2	19.8

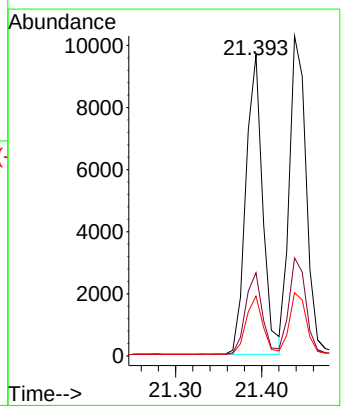


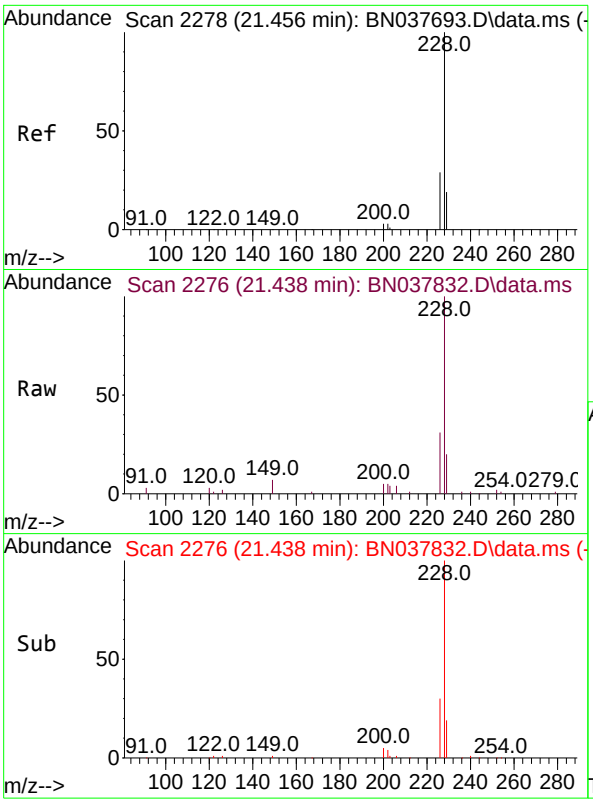


#32
Benzo(a)anthracene
Concen: 0.384 ng
RT: 21.393 min Scan# 2271
Delta R.T. -0.009 min
Lab File: BN037832.D
Acq: 20 Sep 2025 02:35

Tgt Ion:228 Resp: 13107

Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.2	33.2
229	19.9	15.8	23.6



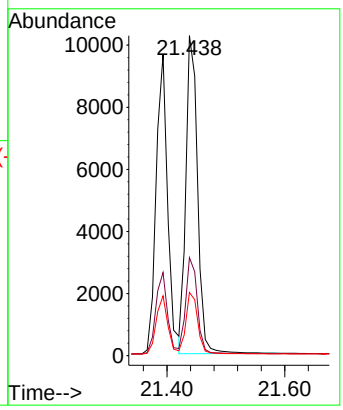


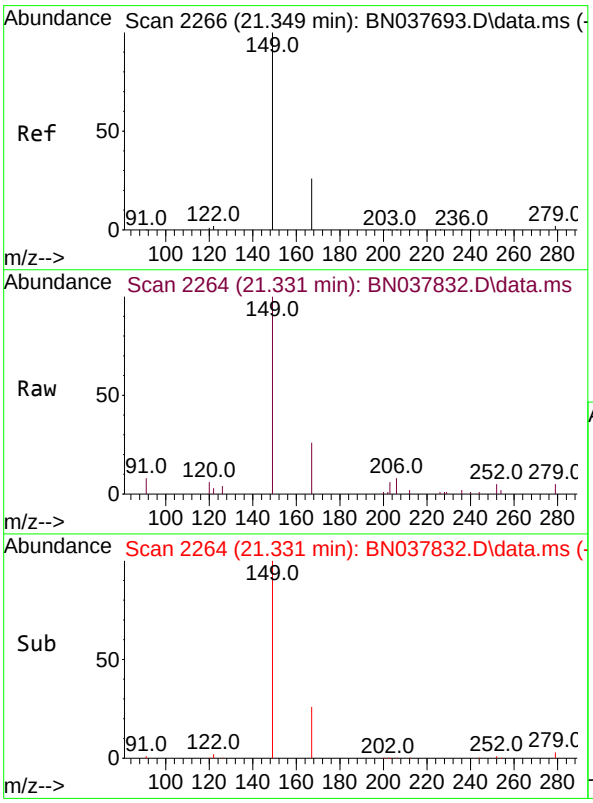
#33
Chrysene
Concen: 0.386 ng
RT: 21.438 min Scan# 2
Delta R.T. -0.018 min
Lab File: BN037832.D
Acq: 20 Sep 2025 02:35

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 14113

Ion	Ratio	Lower	Upper
228	100		
226	30.6	23.5	35.3
229	19.7	15.9	23.9

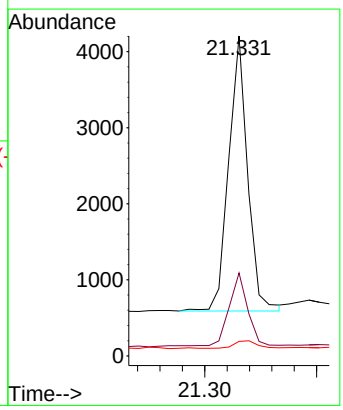


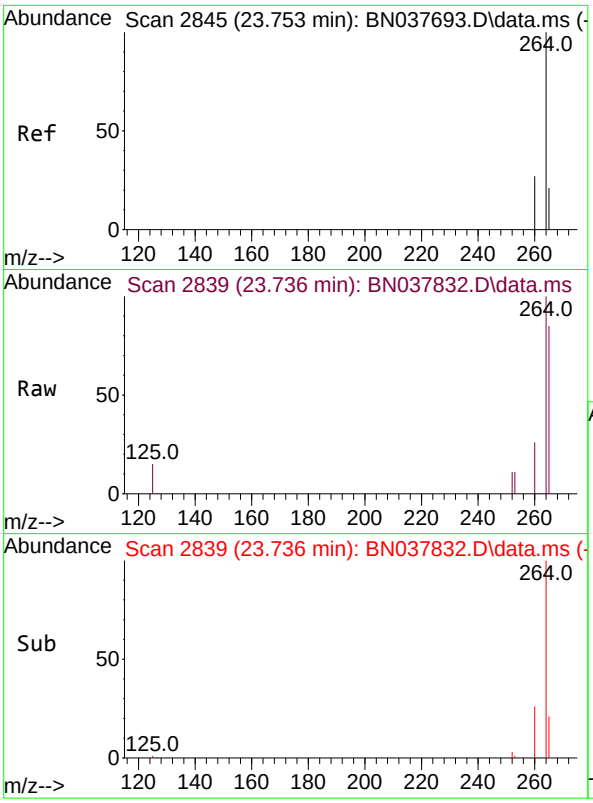


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.420 ng
RT: 21.331 min Scan# 2264
Delta R.T. -0.018 min
Lab File: BN037832.D
Acq: 20 Sep 2025 02:35

Tgt Ion:149 Resp: 4249

Ion	Ratio	Lower	Upper
149	100		
167	25.7	20.8	31.2
279	3.2	3.3	4.9#



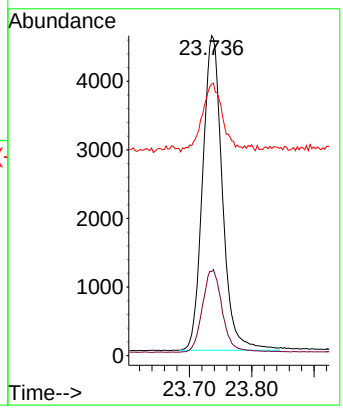


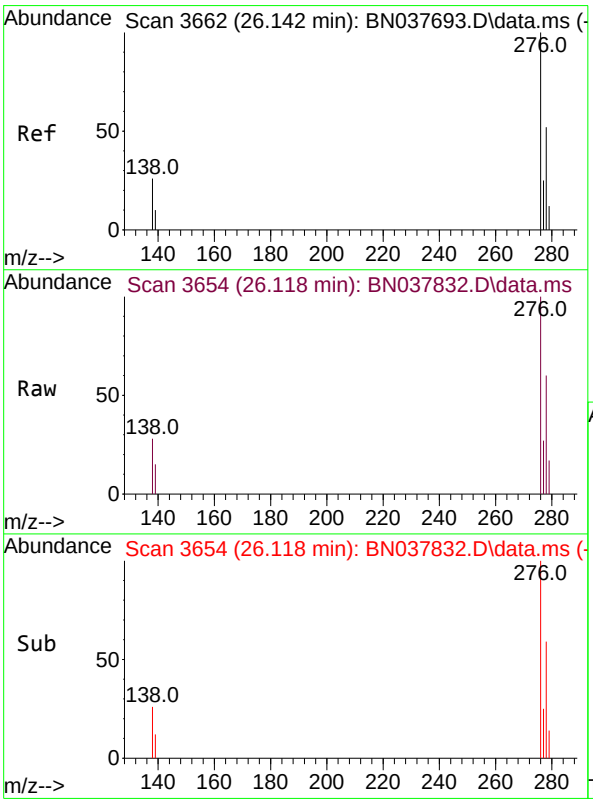
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.736 min Scan# 28
Delta R.T. -0.018 min
Lab File: BN037832.D
Acq: 20 Sep 2025 02:35

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:264 Resp: 10066

Ion	Ratio	Lower	Upper
264	100		
260	26.2	21.8	32.8
265	84.9	39.4	59.2#

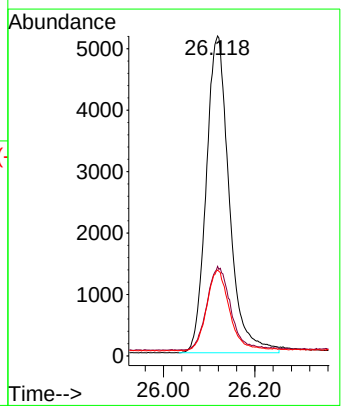


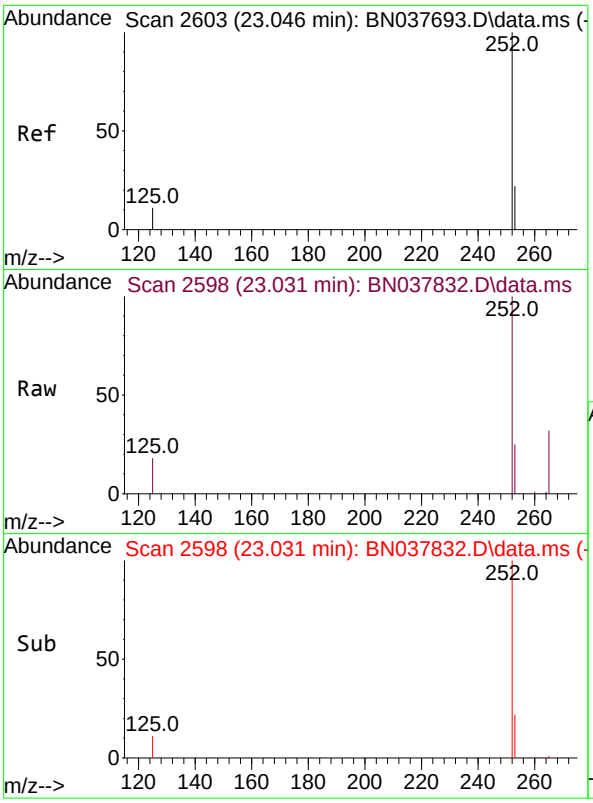


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.426 ng
RT: 26.118 min Scan# 3654
Delta R.T. -0.023 min
Lab File: BN037832.D
Acq: 20 Sep 2025 02:35

Tgt Ion:276 Resp: 18036

Ion	Ratio	Lower	Upper
276	100		
138	27.1	21.9	32.9
277	25.3	20.1	30.1



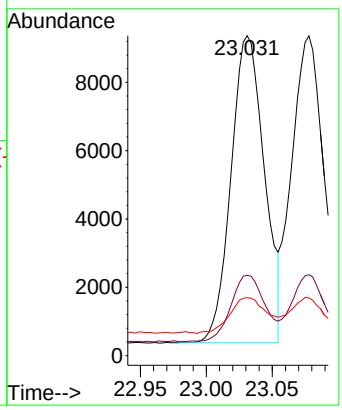


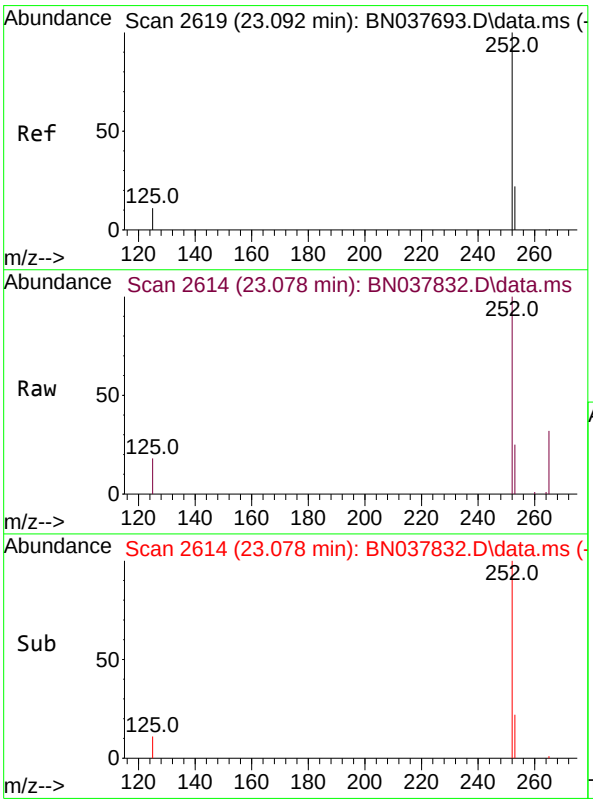
#37
Benzo(b)fluoranthene
Concen: 0.399 ng
RT: 23.031 min Scan# 2
Delta R.T. -0.015 min
Lab File: BN037832.D
Acq: 20 Sep 2025 02:35

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 15833

Ion	Ratio	Lower	Upper
252	100		
253	25.1	19.4	29.2
125	18.1	11.2	16.8#

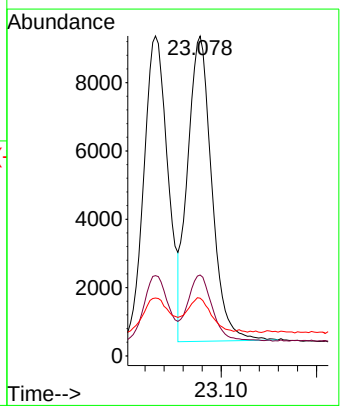


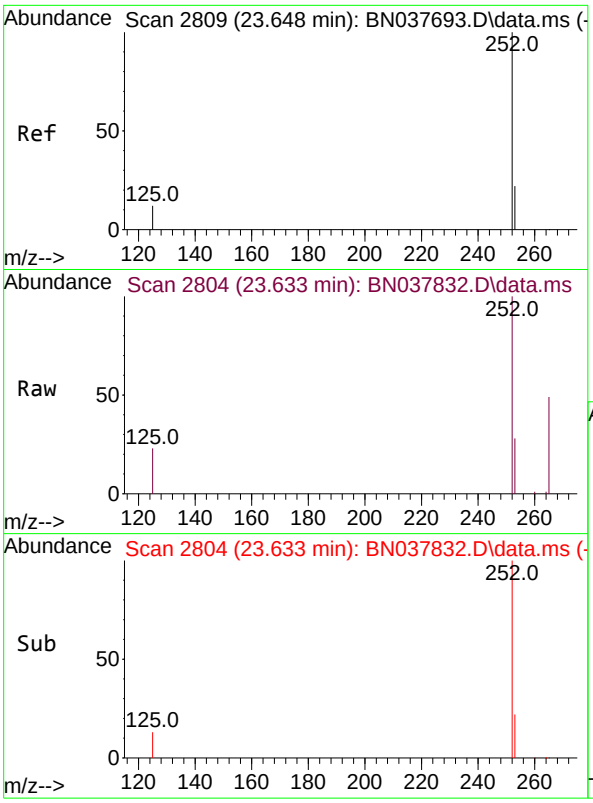


#38
Benzo(k)fluoranthene
Concen: 0.390 ng
RT: 23.078 min Scan# 2614
Delta R.T. -0.015 min
Lab File: BN037832.D
Acq: 20 Sep 2025 02:35

Tgt Ion:252 Resp: 15748

Ion	Ratio	Lower	Upper
252	100		
253	25.3	19.4	29.0
125	18.0	11.6	17.4#



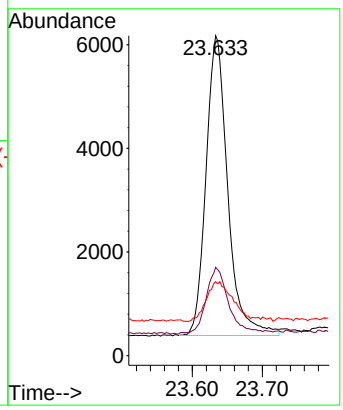


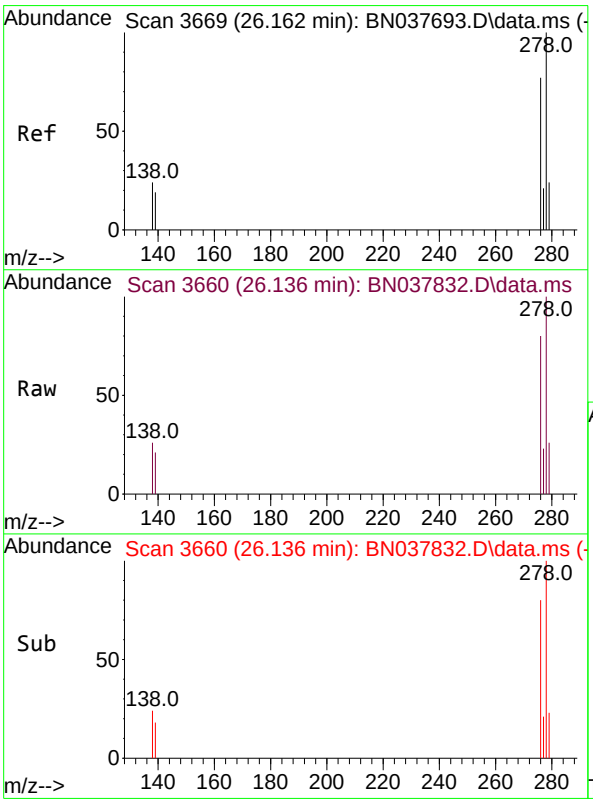
#39
Benzo(a)pyrene
Concen: 0.393 ng
RT: 23.633 min Scan# 28
Delta R.T. -0.015 min
Lab File: BN037832.D
Acq: 20 Sep 2025 02:35

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 12481

Ion	Ratio	Lower	Upper
252	100		
253	27.6	20.8	31.2
125	23.1	13.9	20.9#

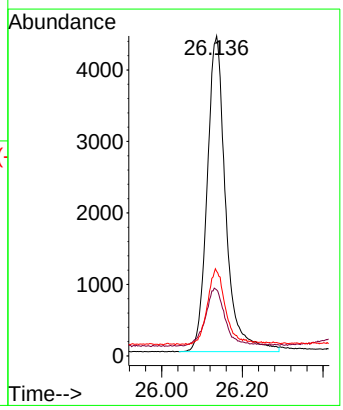


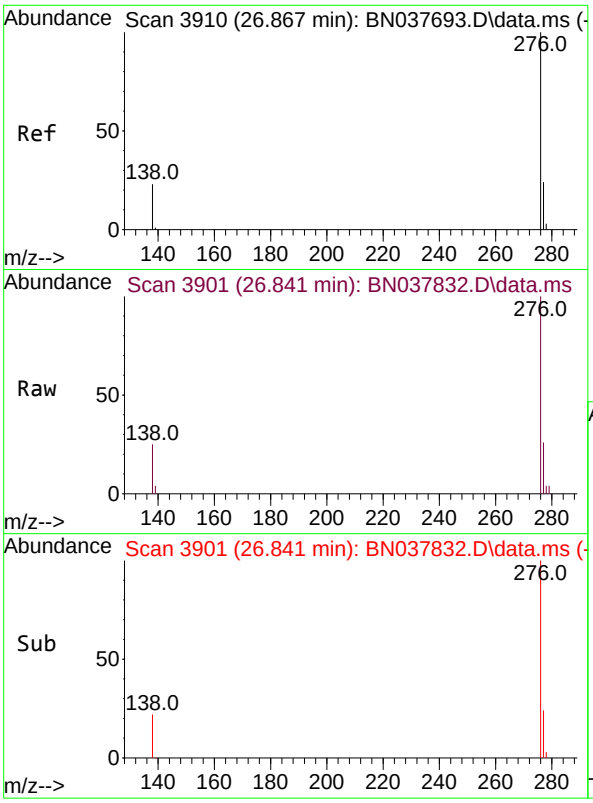


#40
Dibenzo(a,h)anthracene
Concen: 0.418 ng
RT: 26.136 min Scan# 3660
Delta R.T. -0.026 min
Lab File: BN037832.D
Acq: 20 Sep 2025 02:35

Tgt Ion:278 Resp: 14128

Ion	Ratio	Lower	Upper
278	100		
139	20.6	17.8	26.6
279	26.4	22.0	33.0



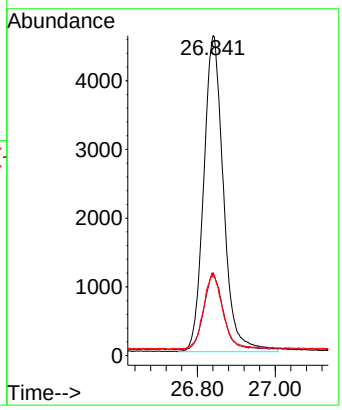


#41
Benzo(g,h,i)perylene
Concen: 0.429 ng
RT: 26.841 min Scan# 3
Delta R.T. -0.026 min
Lab File: BN037832.D
Acq: 20 Sep 2025 02:35

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 16240

Ion	Ratio	Lower	Upper
276	100		
277	25.8	20.6	31.0
138	24.5	20.2	30.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091925\
Data File : BN037832.D
Acq On : 20 Sep 2025 02:35
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Quant Time: Sep 20 04:26:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	125	-0.01
2		1,4-Dioxane	0.417	0.400	4.1	118	0.00
3		n-Nitrosodimethylamine	0.544	0.478	12.1	106	0.00
4	S	2-Fluorophenol	0.918	0.870	5.2	122	0.00
5	S	Phenol-d6	1.191	1.110	6.8	120	0.00
6		bis(2-Chloroethyl)ether	1.064	1.034	2.8	121	0.00
7	I	Naphthalene-d8	1.000	1.000	0.0	125	-0.01
8	S	Nitrobenzene-d5	0.293	0.281	4.1	123	-0.01
9		Naphthalene	1.093	1.053	3.7	122	-0.01
10		Hexachlorobutadiene	0.198	0.186	6.1	118	-0.02
11	SURR	2-Methylnaphthalene-d10	0.530	0.469	11.5	117	-0.02
12		2-Methylnaphthalene	0.676	0.627	7.2	118	-0.02
13	I	Acenaphthene-d10	1.000	1.000	0.0	116	-0.01
14	S	2,4,6-Tribromophenol	0.104	0.112	-7.7	128	-0.01
15	S	2-Fluorobiphenyl	1.673	1.666	0.4	117	-0.01
16		Acenaphthylene	1.834	1.702	7.2	110	-0.01
17		Acenaphthene	1.240	1.160	6.5	110	-0.01
18		Fluorene	1.502	1.342	10.7	108	-0.01
19	I	Phenanthrene-d10	1.000	1.000	0.0	106	-0.01
20		4,6-Dinitro-2-methylphenol	0.037	0.025	32.4#	81	-0.01
21		4-Bromophenyl-phenylether	0.261	0.252	3.4	106	-0.01
22		Hexachlorobenzene	0.300	0.317	-5.7	114	-0.01
23		Atrazine	0.166	0.153	7.8	107	-0.01
24		Pentachlorophenol	0.087	0.097	-11.5	138	-0.01
25		Phenanthrene	1.259	1.208	4.1	104	-0.01
26		Anthracene	1.116	1.025	8.2	101	-0.01
27	SURR	Fluoranthene-d10	1.004	0.832	17.1	94	-0.01
28		Fluoranthene	1.381	1.204	12.8	97	0.00
29	I	Chrysene-d12	1.000	1.000	0.0	104	-0.02
30		Pyrene	1.566	1.455	7.1	98	-0.01
31	S	Terphenyl-d14	0.812	0.693	14.7	90	-0.01
32		Benzo(a)anthracene	1.395	1.341	3.9	104	0.00
33		Chrysene	1.496	1.443	3.5	101	-0.02
34		Bis(2-ethylhexyl)phthalate	0.414	0.435	-5.1	121	-0.02
35	I	Perylene-d12	1.000	1.000	0.0	112	-0.02
36		Indeno(1,2,3-cd)pyrene	1.681	1.792	-6.6	130	-0.02
37		Benzo(b)fluoranthene	1.575	1.573	0.1	114	-0.01
38		Benzo(k)fluoranthene	1.606	1.564	2.6	115	-0.01
39	C	Benzo(a)pyrene	1.261	1.240	1.7	116	-0.01
40		Dibenzo(a,h)anthracene	1.342	1.404	-4.6	130	-0.03
41		Benzo(g,h,i)perylene	1.506	1.613	-7.1	125	-0.03

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091925\
Data File : BN037832.D
Acq On : 20 Sep 2025 02:35
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Quant Time: Sep 20 04:26:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	0.400	0.400	0.0	125	-0.01
2		1,4-Dioxane	0.400	0.384	4.0	118	0.00
3		n-Nitrosodimethylamine	0.400	0.351	12.3	106	0.00
4	S	2-Fluorophenol	0.400	0.379	5.3	122	0.00
5	S	Phenol-d6	0.400	0.373	6.8	120	0.00
6		bis(2-Chloroethyl)ether	0.400	0.389	2.8	121	0.00
7	I	Naphthalene-d8	0.400	0.400	0.0	125	-0.01
8	S	Nitrobenzene-d5	0.400	0.385	3.8	123	-0.01
9		Naphthalene	0.400	0.385	3.8	122	-0.01
10		Hexachlorobutadiene	0.400	0.377	5.8	118	-0.02
11	SURR	2-Methylnaphthalene-d10	0.400	0.354	11.5	117	-0.02
12		2-Methylnaphthalene	0.400	0.371	7.3	118	-0.02
13	I	Acenaphthene-d10	0.400	0.400	0.0	116	-0.01
14	S	2,4,6-Tribromophenol	0.400	0.428	-7.0	128	-0.01
15	S	2-Fluorobiphenyl	0.400	0.398	0.5	117	-0.01
16		Acenaphthylene	0.400	0.371	7.3	110	-0.01
17		Acenaphthene	0.400	0.374	6.5	110	-0.01
18		Fluorene	0.400	0.357	10.8	108	-0.01
19	I	Phenanthrene-d10	0.400	0.400	0.0	106	-0.01
20		4,6-Dinitro-2-methylphenol	0.400	0.272	32.0#	81	-0.01
21		4-Bromophenyl-phenylether	0.400	0.386	3.5	106	-0.01
22		Hexachlorobenzene	0.400	0.423	-5.7	114	-0.01
23		Atrazine	0.400	0.369	7.8	107	-0.01
24		Pentachlorophenol	0.400	0.447	-11.7	138	-0.01
25		Phenanthrene	0.400	0.384	4.0	104	-0.01
26		Anthracene	0.400	0.368	8.0	101	-0.01
27	SURR	Fluoranthene-d10	0.400	0.331	17.3	94	-0.01
28		Fluoranthene	0.400	0.349	12.8	97	0.00
29	I	Chrysene-d12	0.400	0.400	0.0	104	-0.02
30		Pyrene	0.400	0.372	7.0	98	-0.01
31	S	Terphenyl-d14	0.400	0.342	14.5	90	-0.01
32		Benzo(a)anthracene	0.400	0.384	4.0	104	0.00
33		Chrysene	0.400	0.386	3.5	101	-0.02
34		Bis(2-ethylhexyl)phthalate	0.400	0.420	-5.0	121	-0.02
35	I	Perylene-d12	0.400	0.400	0.0	112	-0.02
36		Indeno(1,2,3-cd)pyrene	0.400	0.426	-6.5	130	-0.02
37		Benzo(b)fluoranthene	0.400	0.399	0.3	114	-0.01
38		Benzo(k)fluoranthene	0.400	0.390	2.5	115	-0.01
39	C	Benzo(a)pyrene	0.400	0.393	1.8	116	-0.01
40		Dibenzo(a,h)anthracene	0.400	0.418	-4.5	130	-0.03
41		Benzo(g,h,i)perylene	0.400	0.429	-7.2	125	-0.03

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

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO15

Lab Code: ACE SDG No.: Q3095

Instrument ID: BNA_N Calibration Date/Time: 09/20/2025 11:39

Lab File ID: BN037847.D Init. Calib. Date(s): 09/11/2025 09/11/2025

EPA Sample No.: SSTDCCC0.4EC Init. Calib. Time(s): 09:56 13:33

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.530	0.470		-11.3	50.0
Fluoranthene-d10	1.004	0.915		-8.9	50.0
2-Fluorophenol	0.918	0.876		-4.6	50.0
Phenol-d6	1.191	1.109		-6.9	50.0
Nitrobenzene-d5	0.293	0.288		-1.7	50.0
2-Fluorobiphenyl	1.673	1.607		-3.9	50.0
2,4,6-Tribromophenol	0.104	0.123		18.3	50.0
Terphenyl-d14	0.812	0.706		-13.1	50.0
1,4-Dioxane	0.417	0.423		1.4	50.0

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091925\
Data File : BN037847.D
Acq On : 20 Sep 2025 11:39
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Quant Time: Sep 22 00:38:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

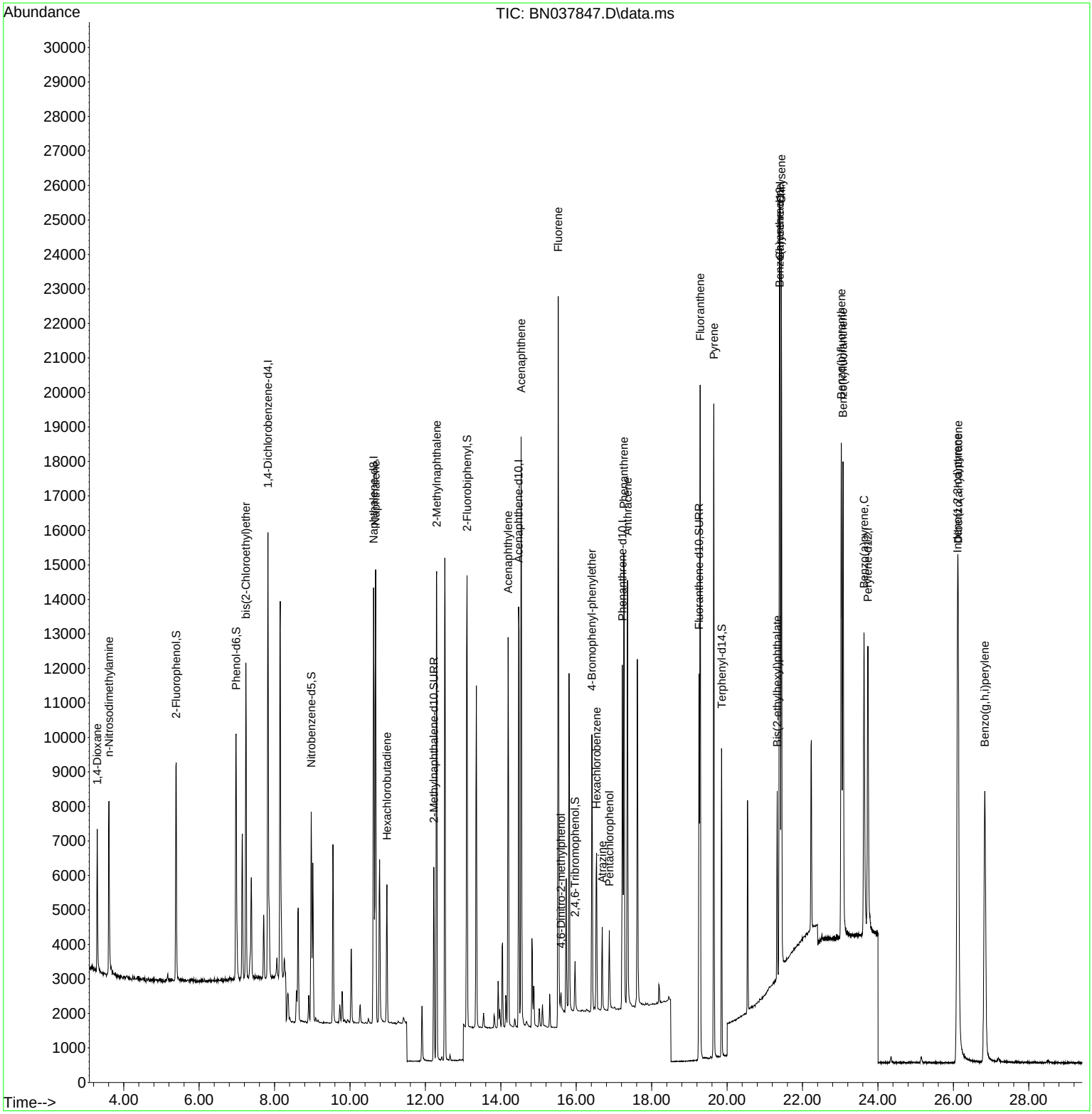
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.825	152	6137	0.400	ng		-0.01
7) Naphthalene-d8	10.626	136	16197	0.400	ng		-0.02
13) Acenaphthene-d10	14.473	164	7238	0.400	ng		-0.02
19) Phenanthrene-d10	17.223	188	13073	0.400	ng		-0.01
29) Chrysene-d12	21.402	240	12006	0.400	ng		#-0.02
35) Perylene-d12	23.736	264	11862	0.400	ng		#-0.02
System Monitoring Compounds							
4) 2-Fluorophenol	5.392	112	5373	0.381	ng		0.00
5) Phenol-d6	6.980	99	6805	0.373	ng		0.00
8) Nitrobenzene-d5	8.971	82	4665	0.394	ng		-0.02
11) 2-Methylnaphthalene-d10	12.222	152	7614	0.355	ng		-0.02
14) 2,4,6-Tribromophenol	15.969	330	891	0.472	ng		-0.01
15) 2-Fluorobiphenyl	13.105	172	11631	0.384	ng		-0.01
27) Fluoranthene-d10	19.257	212	11964	0.365	ng		-0.01
31) Terphenyl-d14	19.856	244	8481	0.348	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.297	88	2596	0.406	ng		95
3) n-Nitrosodimethylamine	3.608	42	3185	0.381	ng		92
6) bis(2-Chloroethyl)ether	7.240	93	6315	0.387	ng		99
9) Naphthalene	10.680	128	17021	0.384	ng		99
10) Hexachlorobutadiene	10.979	225	3043	0.380	ng	#	100
12) 2-Methylnaphthalene	12.298	142	10117	0.369	ng		99
16) Acenaphthylene	14.195	152	12119	0.365	ng		100
17) Acenaphthene	14.537	154	8461	0.377	ng		97
18) Fluorene	15.522	166	9893	0.364	ng		98
20) 4,6-Dinitro-2-methylph...	15.597	198	396	0.327	ng		87
21) 4-Bromophenyl-phenylether	16.416	248	3095	0.363	ng	#	74
22) Hexachlorobenzene	16.540	284	3993	0.407	ng		98
23) Atrazine	16.689	200	1936	0.357	ng		100
24) Pentachlorophenol	16.875	266	1204	0.423	ng		98
25) Phenanthrene	17.260	178	15813	0.384	ng		99
26) Anthracene	17.359	178	13675	0.375	ng		100
28) Fluoranthene	19.285	202	17285	0.383	ng		100
30) Pyrene	19.647	202	17226	0.367	ng		100
32) Benzo(a)anthracene	21.393	228	15817	0.378	ng		99
33) Chrysene	21.438	228	17106	0.381	ng		97
34) Bis(2-ethylhexyl)phtha...	21.331	149	4990	0.402	ng		99
36) Indeno(1,2,3-cd)pyrene	26.110	276	20571	0.413	ng		100
37) Benzo(b)fluoranthene	23.028	252	18556	0.397	ng		97
38) Benzo(k)fluoranthene	23.075	252	19102	0.401	ng		97
39) Benzo(a)pyrene	23.630	252	14379	0.384	ng	#	96
40) Dibenzo(a,h)anthracene	26.127	278	15603	0.392	ng		98
41) Benzo(g,h,i)perylene	26.835	276	17395	0.390	ng		99

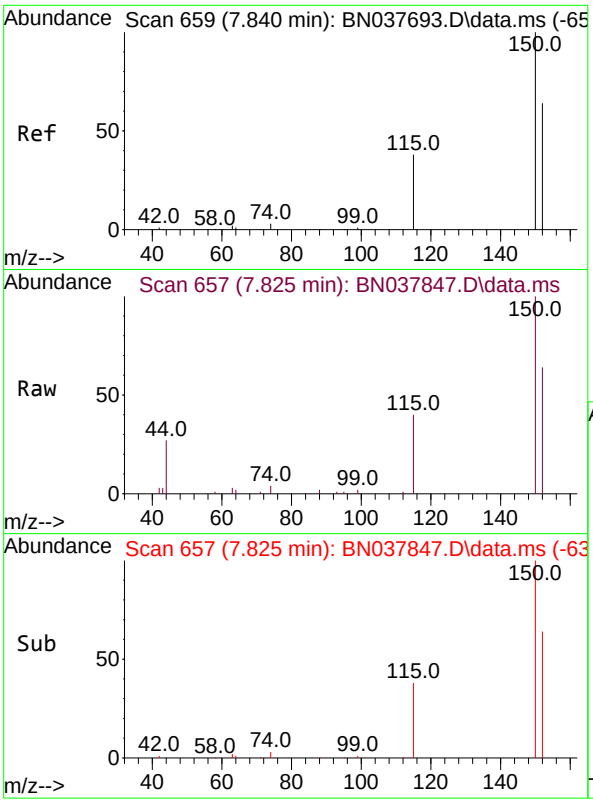
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091925\
Data File : BN037847.D
Acq On : 20 Sep 2025 11:39
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Quant Time: Sep 22 00:38:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration



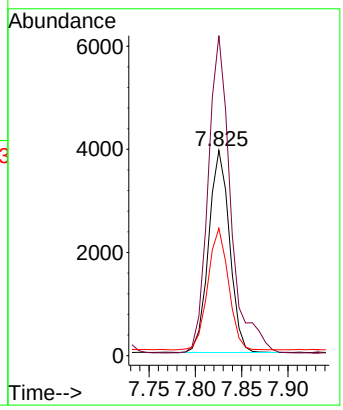


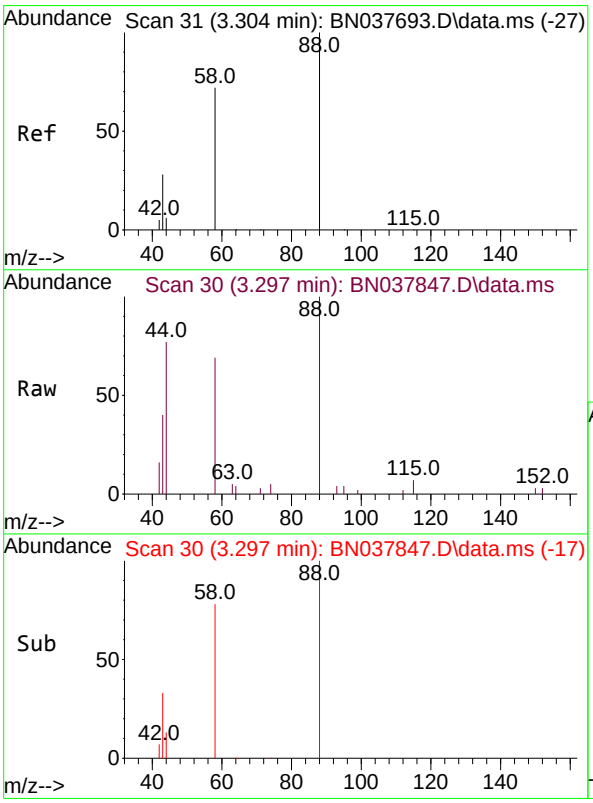
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.825 min Scan# 6
Delta R.T. -0.015 min
Lab File: BN037847.D
Acq: 20 Sep 2025 11:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 6137

Ion	Ratio	Lower	Upper
152	100		
150	155.9	124.5	186.7
115	62.0	49.2	73.8

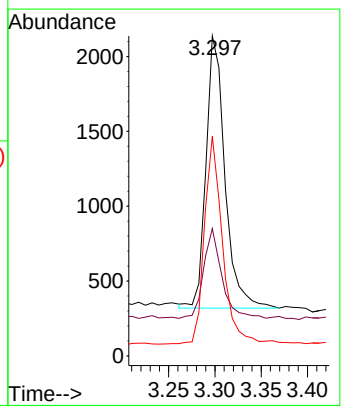


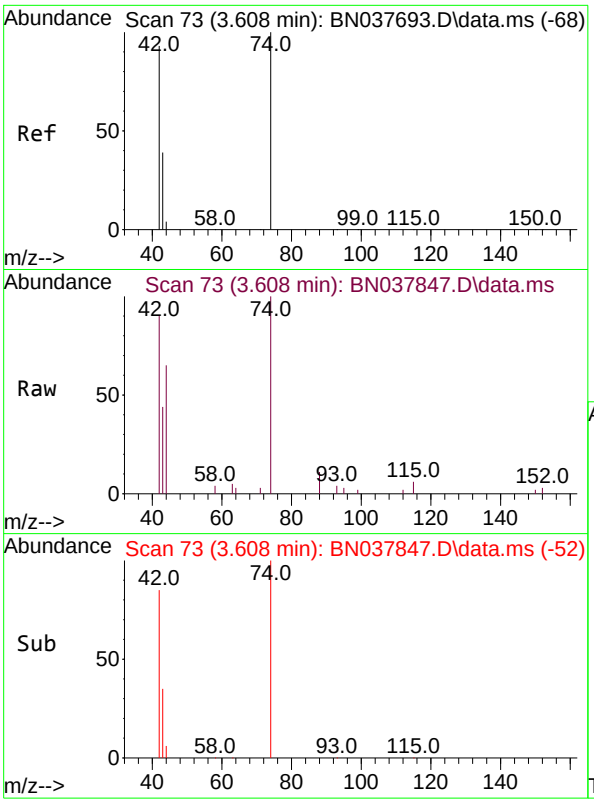


#2
1,4-Dioxane
Concen: 0.406 ng
RT: 3.297 min Scan# 30
Delta R.T. -0.007 min
Lab File: BN037847.D
Acq: 20 Sep 2025 11:39

Tgt Ion: 88 Resp: 2596

Ion	Ratio	Lower	Upper
88	100		
43	31.8	26.8	40.2
58	72.9	61.9	92.9



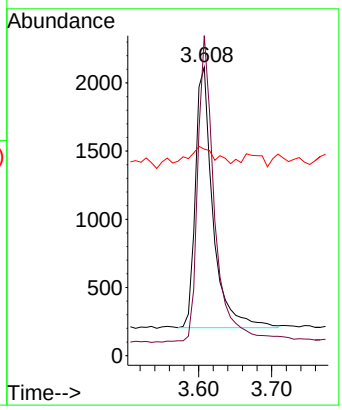


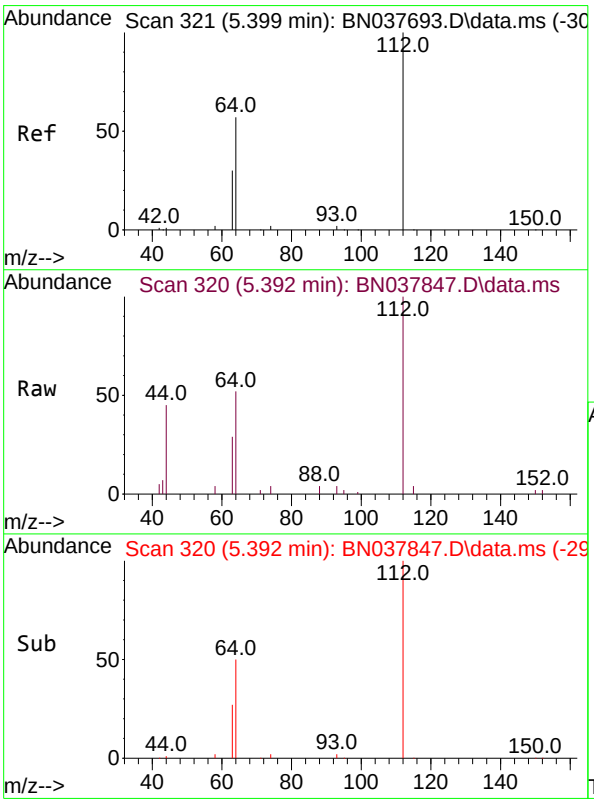
#3
n-Nitrosodimethylamine
Concen: 0.381 ng
RT: 3.608 min Scan# 7
Delta R.T. -0.000 min
Lab File: BN037847.D
Acq: 20 Sep 2025 11:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 42 Resp: 3185

Ion	Ratio	Lower	Upper
42	100		
74	116.1	86.0	129.0
44	8.6	8.4	12.6

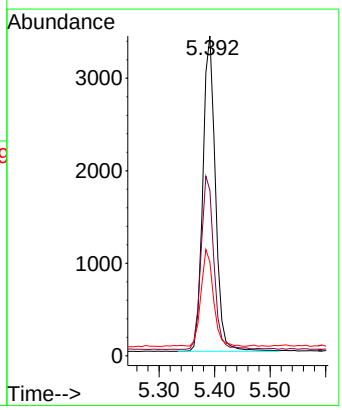


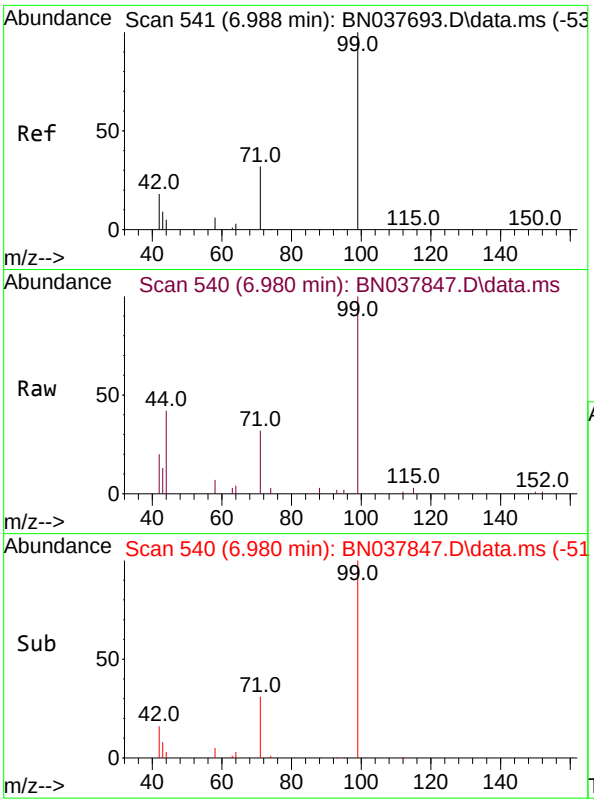


#4
2-Fluorophenol
Concen: 0.381 ng
RT: 5.392 min Scan# 320
Delta R.T. -0.007 min
Lab File: BN037847.D
Acq: 20 Sep 2025 11:39

Tgt Ion:112 Resp: 5373

Ion	Ratio	Lower	Upper
112	100		
64	55.7	44.9	67.3
63	29.9	24.7	37.1



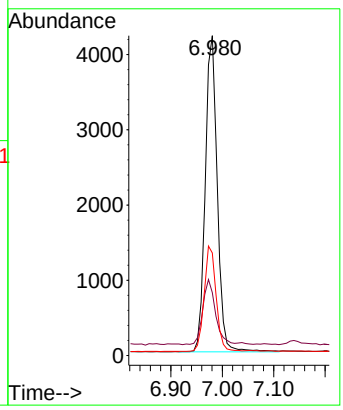


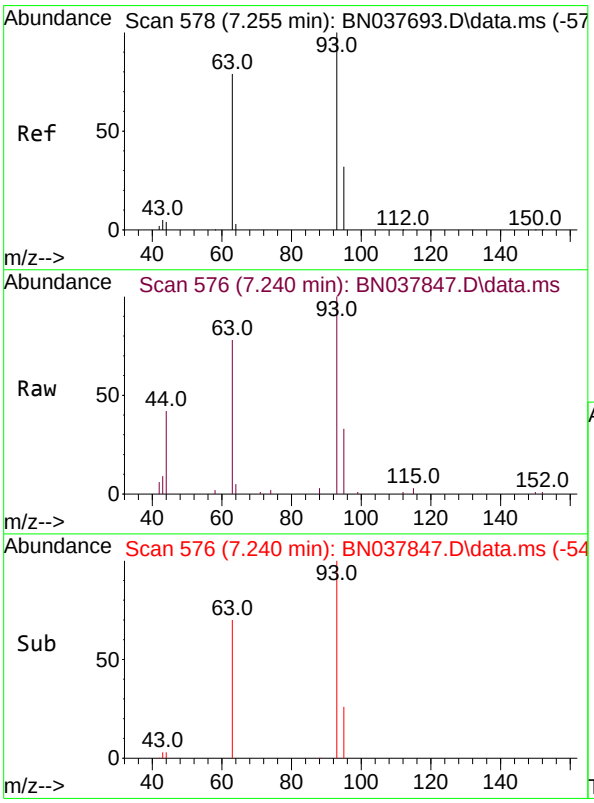
#5
Phenol-d6
Concen: 0.373 ng
RT: 6.980 min Scan# 54
Delta R.T. -0.007 min
Lab File: BN037847.D
Acq: 20 Sep 2025 11:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 99 Resp: 6805

Ion	Ratio	Lower	Upper
99	100		
42	21.6	16.6	24.8
71	33.1	26.7	40.1

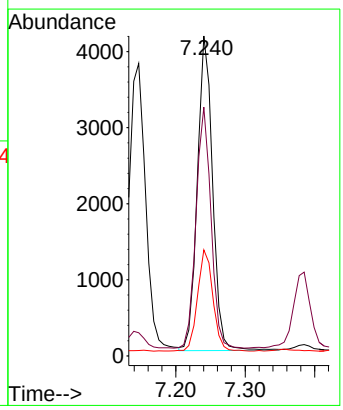


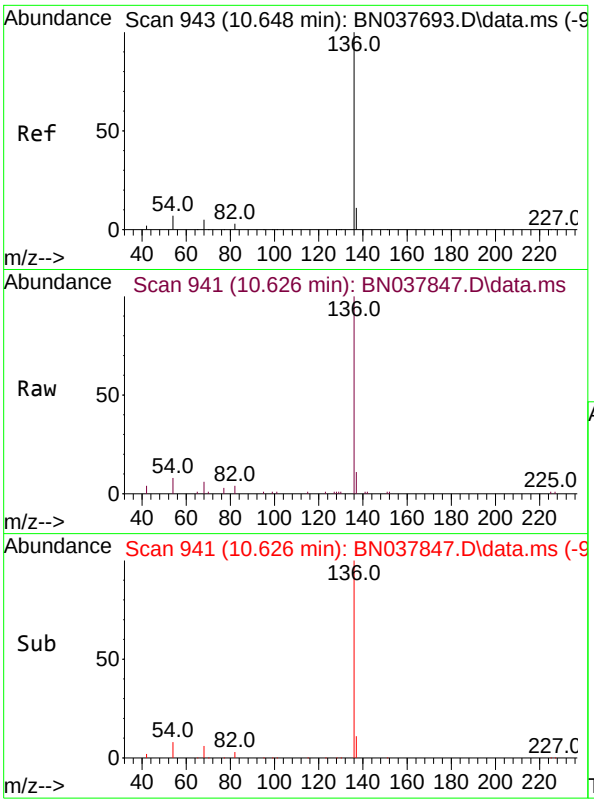


#6
bis(2-Chloroethyl)ether
Concen: 0.387 ng
RT: 7.240 min Scan# 576
Delta R.T. -0.015 min
Lab File: BN037847.D
Acq: 20 Sep 2025 11:39

Tgt Ion: 93 Resp: 6315

Ion	Ratio	Lower	Upper
93	100		
63	75.2	60.6	90.8
95	32.2	26.0	39.0



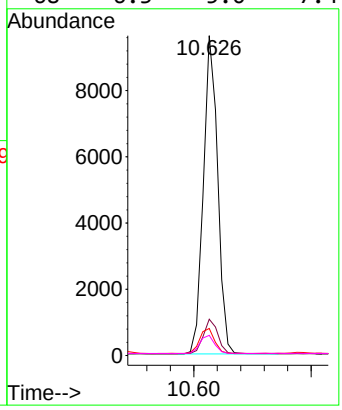


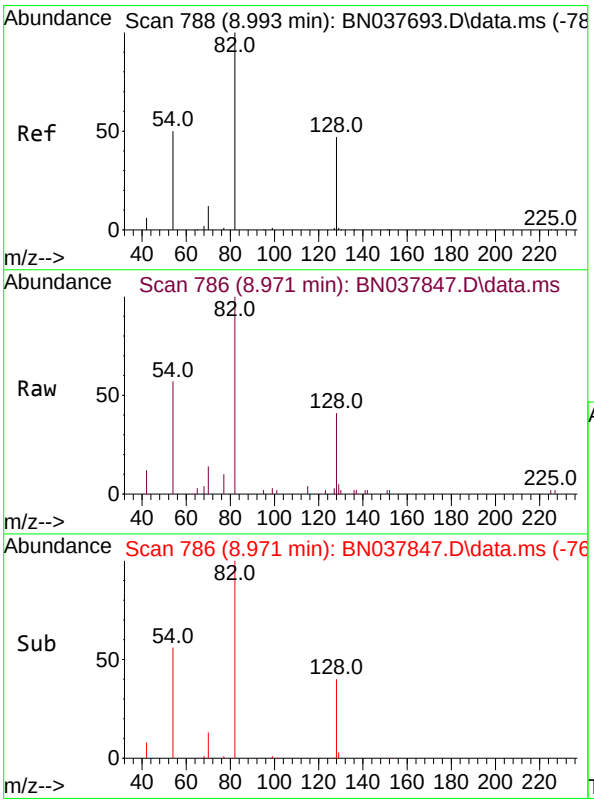
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.626 min Scan# 94
Delta R.T. -0.021 min
Lab File: BN037847.D
Acq: 20 Sep 2025 11:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:136 Resp: 16197

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	8.5	6.3	9.5
68	6.3	5.0	7.4

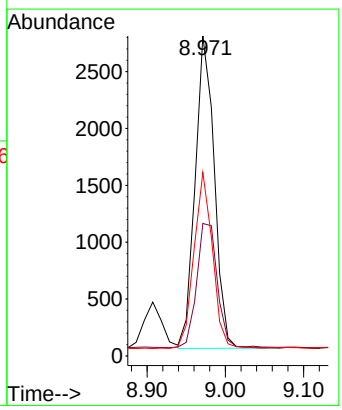


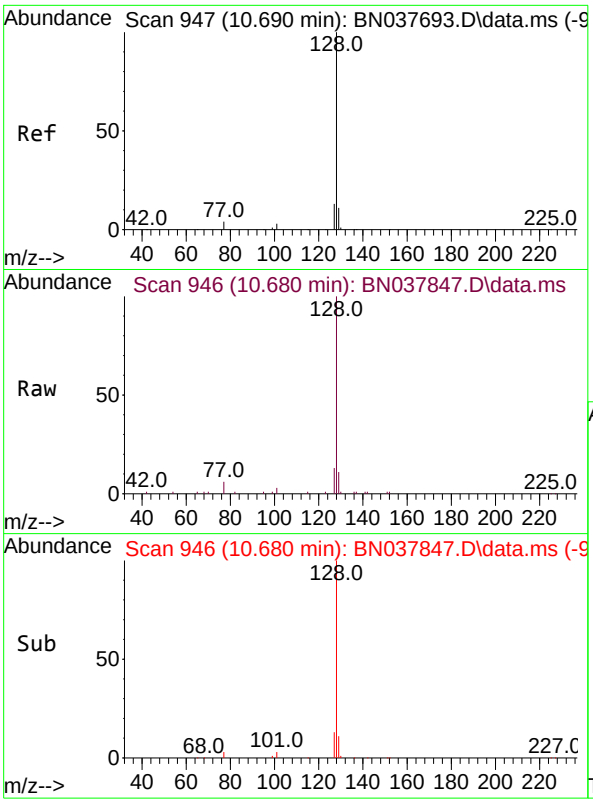


#8
Nitrobenzene-d5
Concen: 0.394 ng
RT: 8.971 min Scan# 786
Delta R.T. -0.021 min
Lab File: BN037847.D
Acq: 20 Sep 2025 11:39

Tgt Ion: 82 Resp: 4665

Ion	Ratio	Lower	Upper
82	100		
128	41.4	38.3	57.5
54	57.4	41.4	62.2



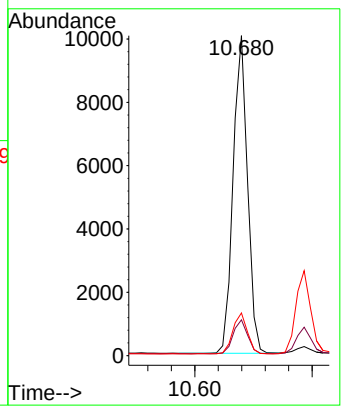


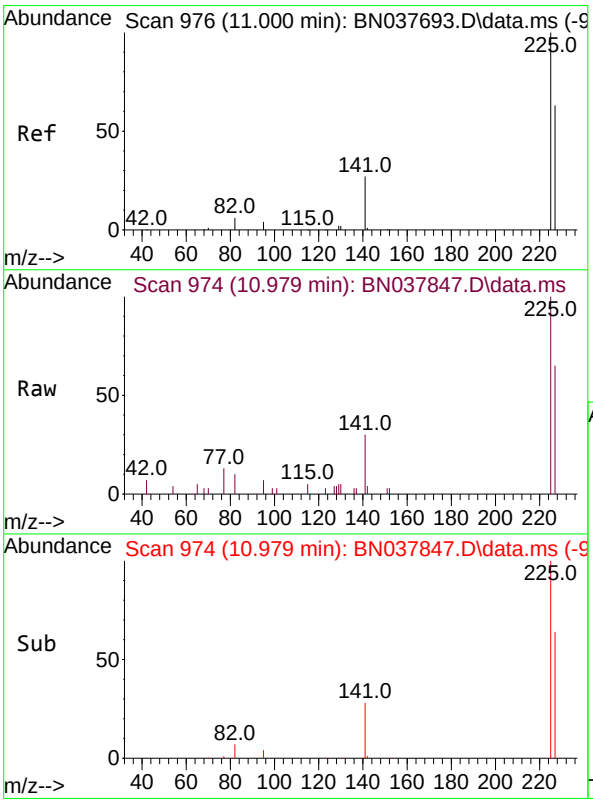
#9
Naphthalene
Concen: 0.384 ng
RT: 10.680 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037847.D
Acq: 20 Sep 2025 11:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:128 Resp: 17021

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.1	13.7
127	13.3	10.9	16.3

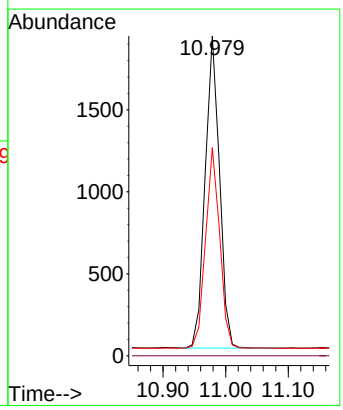


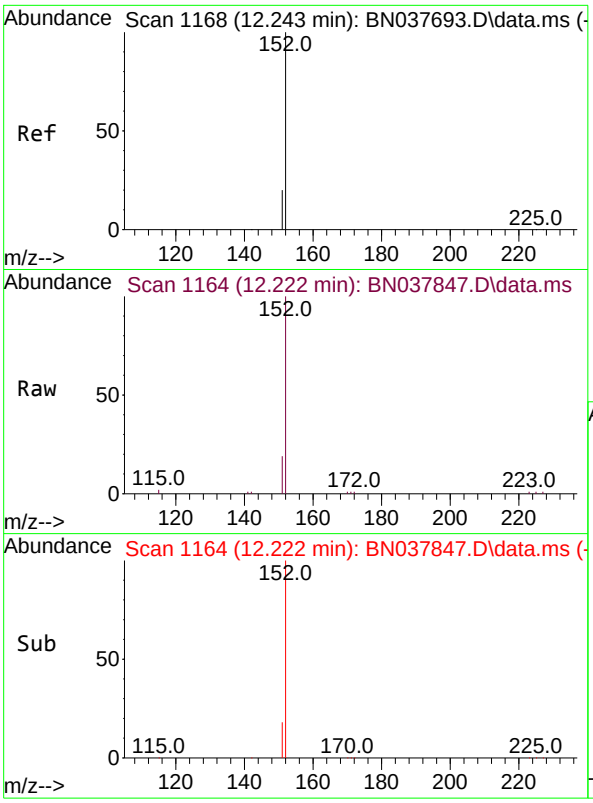


#10
Hexachlorobutadiene
Concen: 0.380 ng
RT: 10.979 min Scan# 974
Delta R.T. -0.021 min
Lab File: BN037847.D
Acq: 20 Sep 2025 11:39

Tgt Ion:225 Resp: 3043

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.4	50.9	76.3



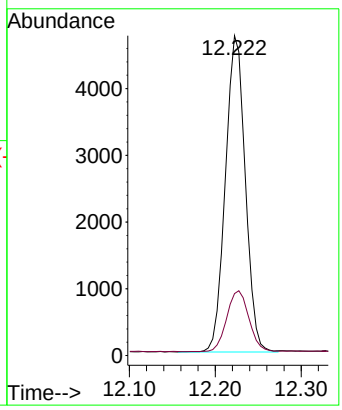


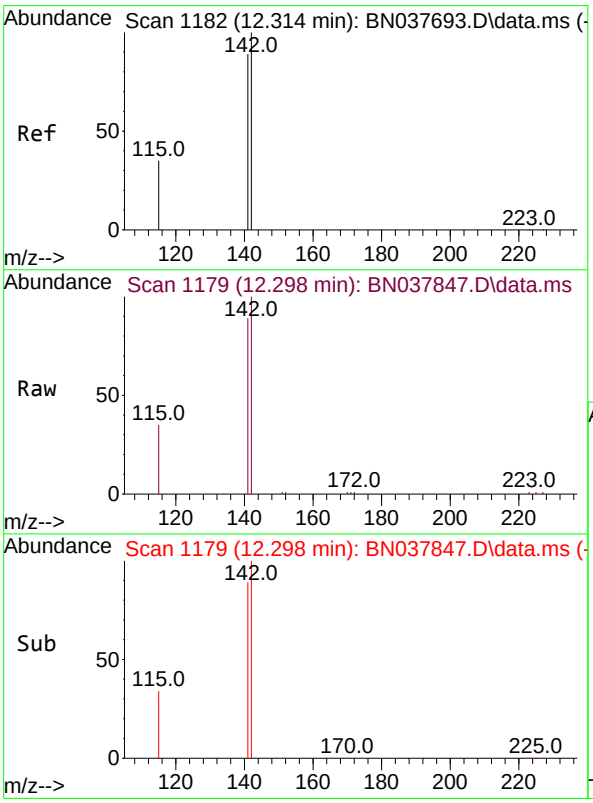
#11
2-Methylnaphthalene-d10
Concen: 0.355 ng
RT: 12.222 min Scan# 11
Delta R.T. -0.020 min
Lab File: BN037847.D
Acq: 20 Sep 2025 11:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 7614

Ion	Ratio	Lower	Upper
152	100		
151	21.5	17.0	25.6

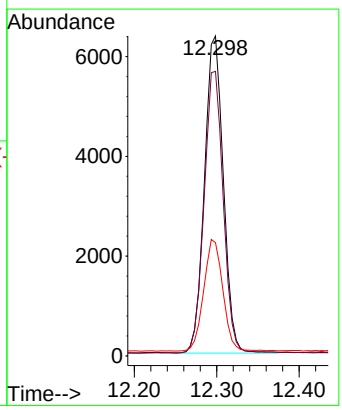


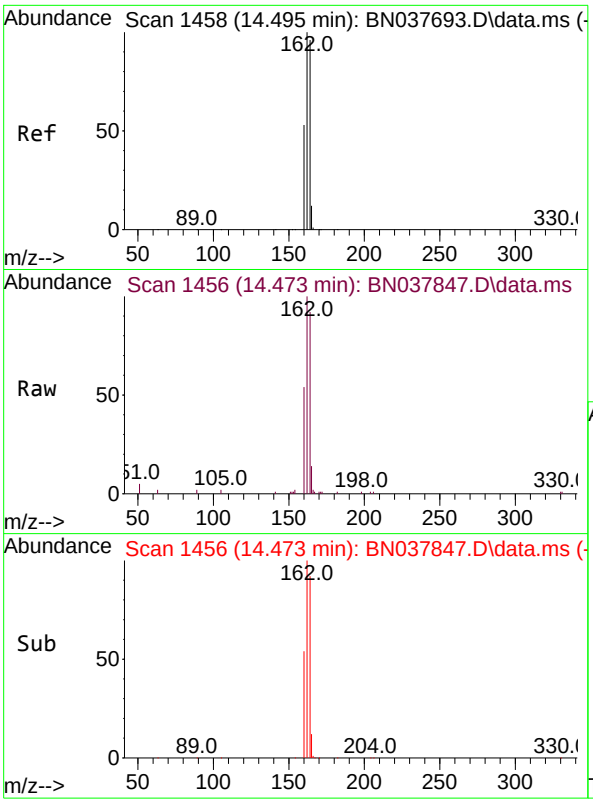


#12
2-Methylnaphthalene
Concen: 0.369 ng
RT: 12.298 min Scan# 1179
Delta R.T. -0.015 min
Lab File: BN037847.D
Acq: 20 Sep 2025 11:39

Tgt Ion:142 Resp: 10117

Ion	Ratio	Lower	Upper
142	100		
141	88.9	71.6	107.4
115	35.4	28.6	43.0



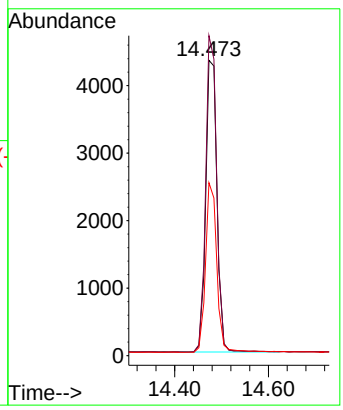


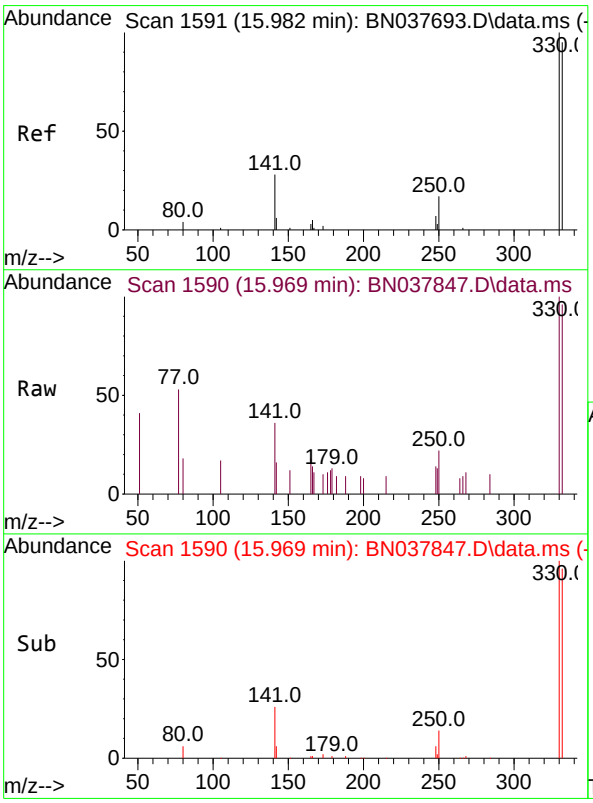
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.473 min Scan# 14
Delta R.T. -0.022 min
Lab File: BN037847.D
Acq: 20 Sep 2025 11:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:164 Resp: 7238

Ion	Ratio	Lower	Upper
164	100		
162	108.4	83.1	124.7
160	58.5	44.3	66.5

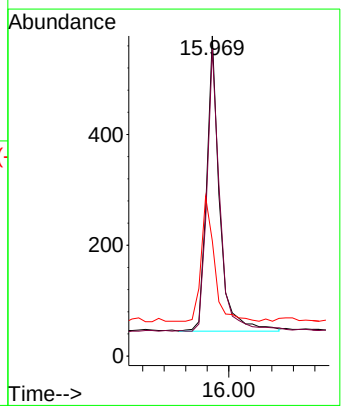


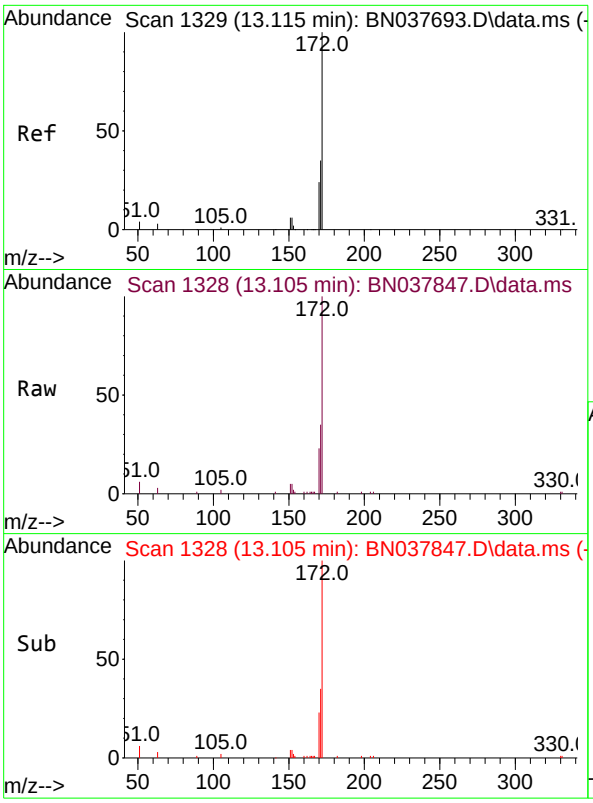


#14
2,4,6-Tribromophenol
Concen: 0.472 ng
RT: 15.969 min Scan# 1590
Delta R.T. -0.013 min
Lab File: BN037847.D
Acq: 20 Sep 2025 11:39

Tgt Ion:330 Resp: 891

Ion	Ratio	Lower	Upper
330	100		
332	96.3	75.3	112.9
141	42.8	35.0	52.4



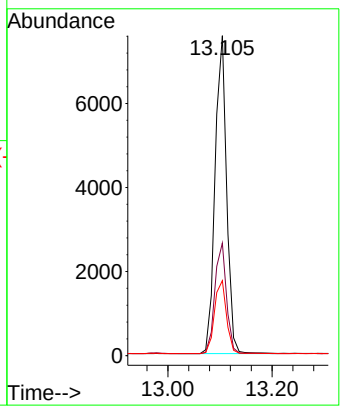


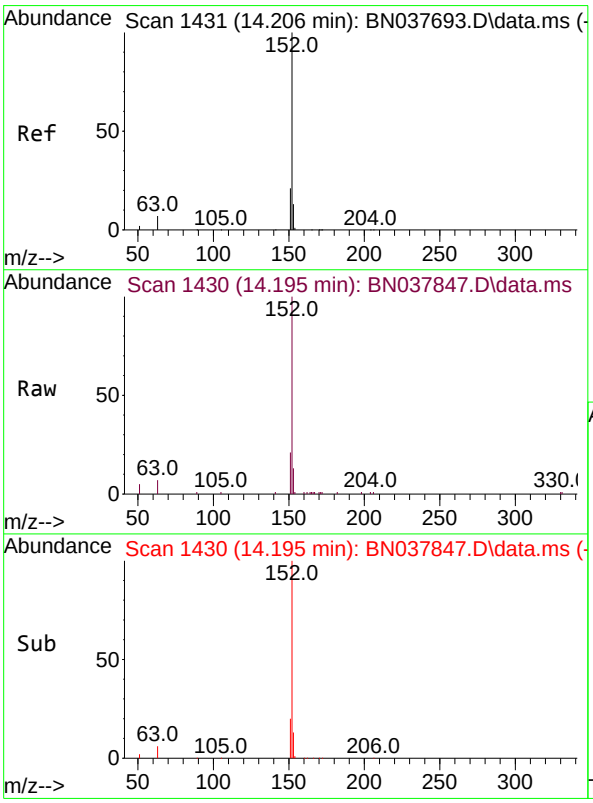
#15
2-Fluorobiphenyl
Concen: 0.384 ng
RT: 13.105 min Scan# 1
Delta R.T. -0.011 min
Lab File: BN037847.D
Acq: 20 Sep 2025 11:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:172 Resp: 11631

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.6	43.0
170	23.5	19.8	29.8

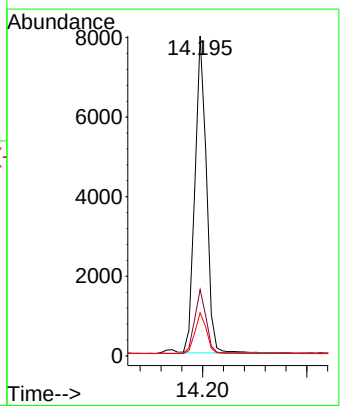


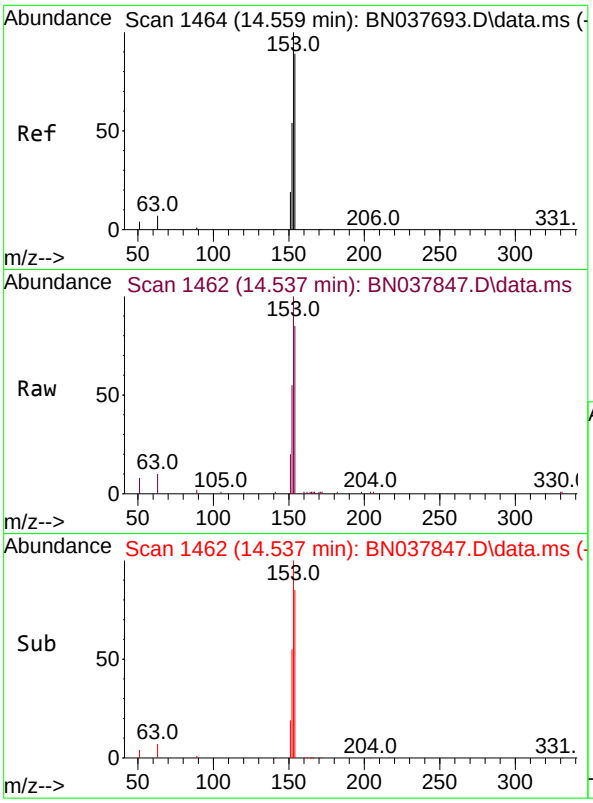


#16
Acenaphthylene
Concen: 0.365 ng
RT: 14.195 min Scan# 1430
Delta R.T. -0.011 min
Lab File: BN037847.D
Acq: 20 Sep 2025 11:39

Tgt Ion:152 Resp: 12119

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.2	24.2
153	12.9	10.4	15.6



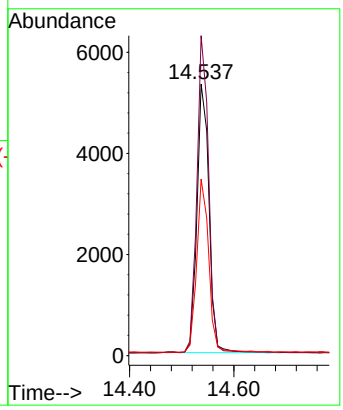


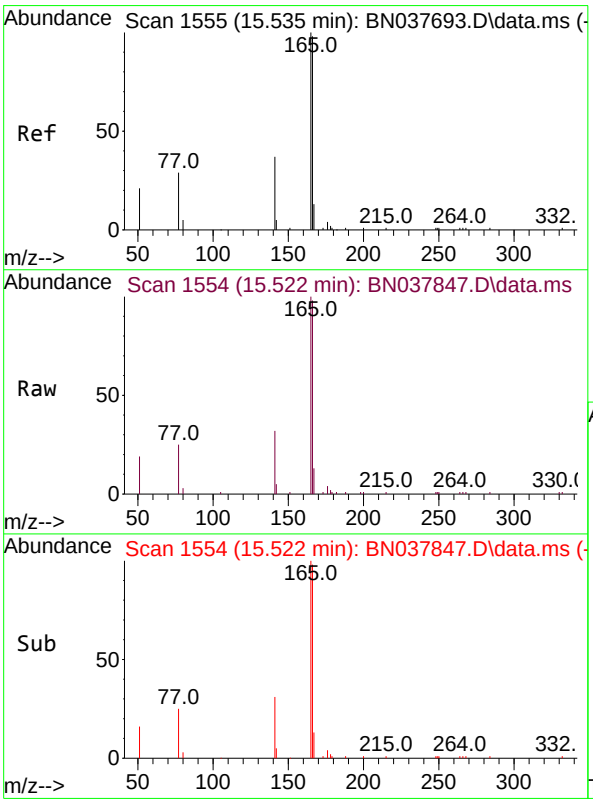
#17
Acenaphthene
Concen: 0.377 ng
RT: 14.537 min Scan# 14
Delta R.T. -0.022 min
Lab File: BN037847.D
Acq: 20 Sep 2025 11:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:154 Resp: 8461

Ion	Ratio	Lower	Upper
154	100		
153	115.3	89.8	134.8
152	65.0	50.2	75.2

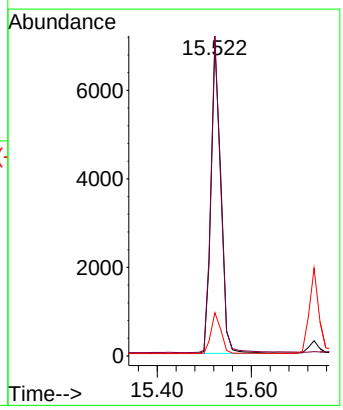


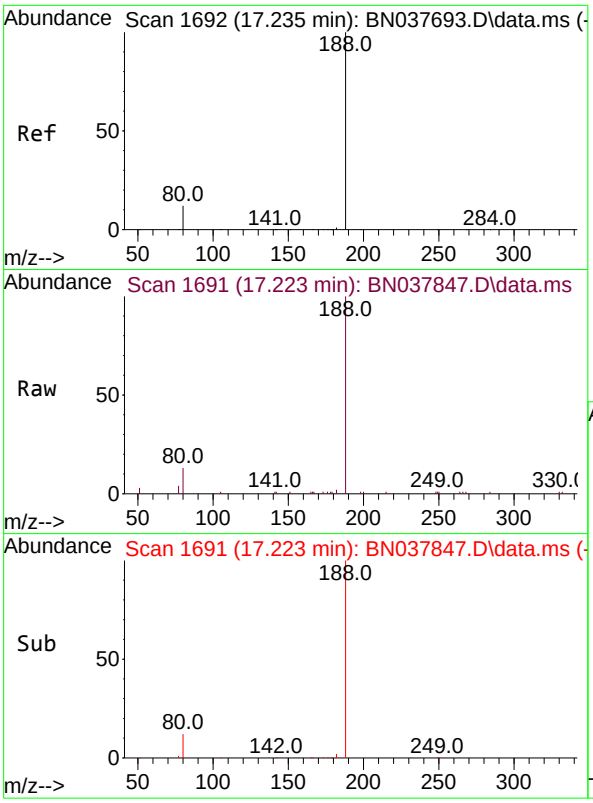


#18
Fluorene
Concen: 0.364 ng
RT: 15.522 min Scan# 1554
Delta R.T. -0.013 min
Lab File: BN037847.D
Acq: 20 Sep 2025 11:39

Tgt Ion:166 Resp: 9893

Ion	Ratio	Lower	Upper
166	100		
165	101.3	79.6	119.4
167	13.8	10.6	16.0



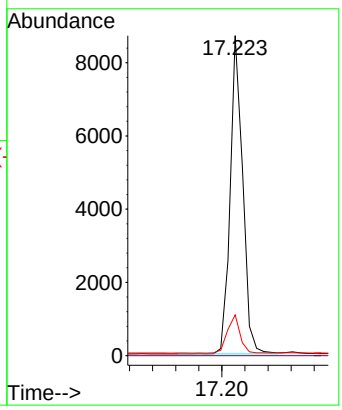


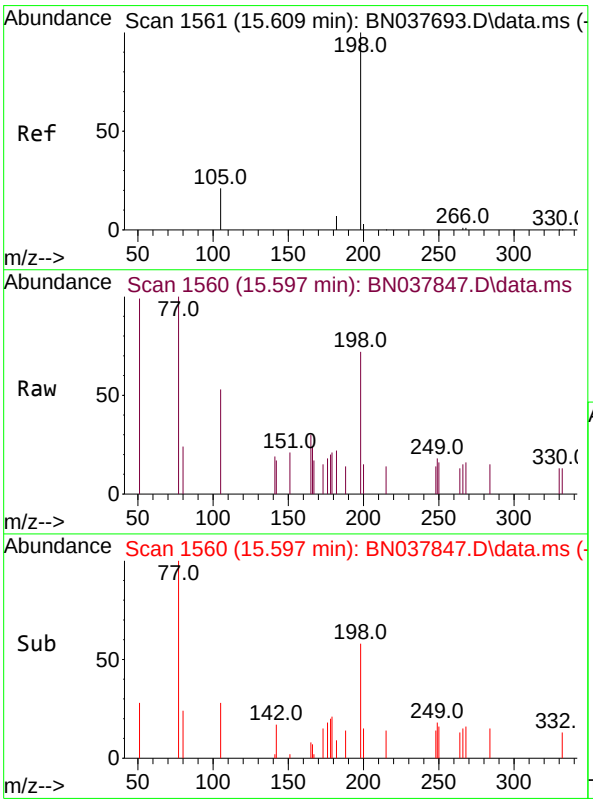
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.223 min Scan# 1
Delta R.T. -0.013 min
Lab File: BN037847.D
Acq: 20 Sep 2025 11:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:188 Resp: 13073

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	12.7	10.6	15.8

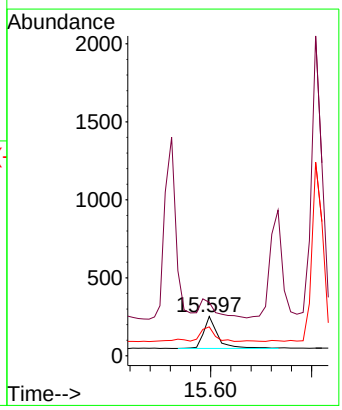


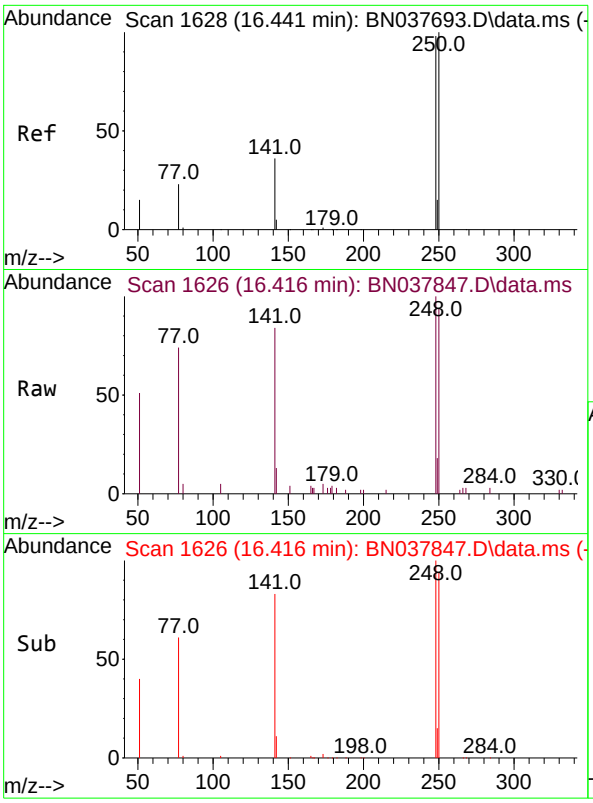


#20
4,6-Dinitro-2-methylphenol
Concen: 0.327 ng
RT: 15.597 min Scan# 1560
Delta R.T. -0.012 min
Lab File: BN037847.D
Acq: 20 Sep 2025 11:39

Tgt Ion:198 Resp: 396

Ion	Ratio	Lower	Upper
198	100		
51	136.1	95.1	142.7
105	73.8	53.8	80.6



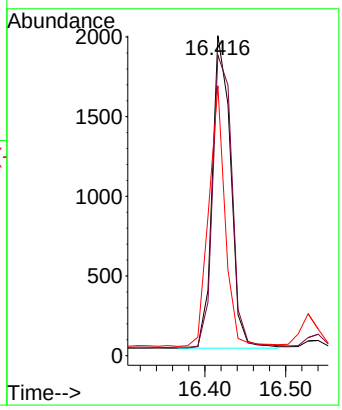


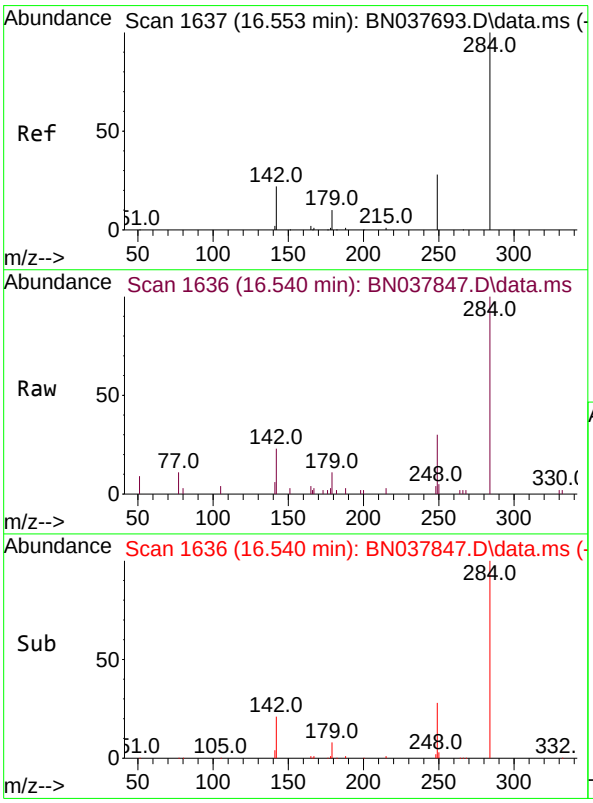
#21
4-Bromophenyl-phenylether
Concen: 0.363 ng
RT: 16.416 min Scan# 1
Delta R.T. -0.025 min
Lab File: BN037847.D
Acq: 20 Sep 2025 11:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:248 Resp: 3095

Ion	Ratio	Lower	Upper
248	100		
250	93.9	81.5	122.3
141	84.3	30.8	46.2#

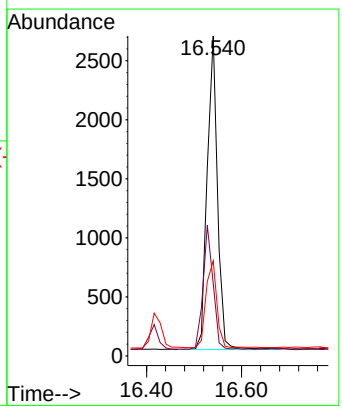


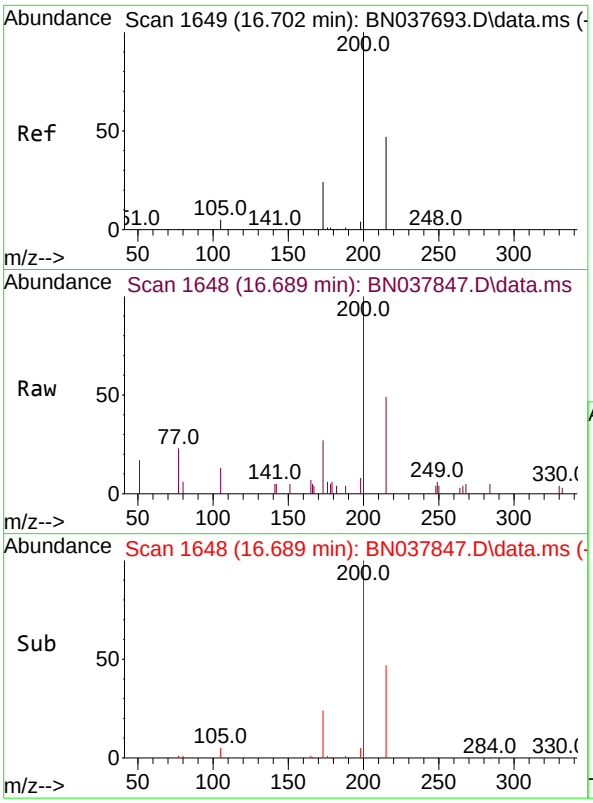


#22
Hexachlorobenzene
Concen: 0.407 ng
RT: 16.540 min Scan# 1636
Delta R.T. -0.013 min
Lab File: BN037847.D
Acq: 20 Sep 2025 11:39

Tgt Ion:284 Resp: 3993

Ion	Ratio	Lower	Upper
284	100		
142	38.4	30.9	46.3
249	28.9	24.8	37.2



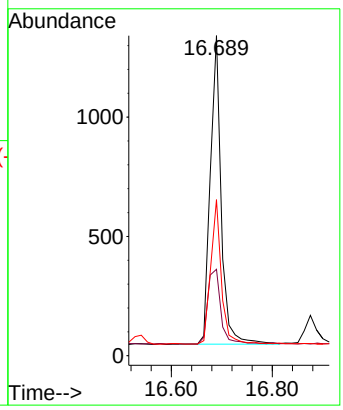


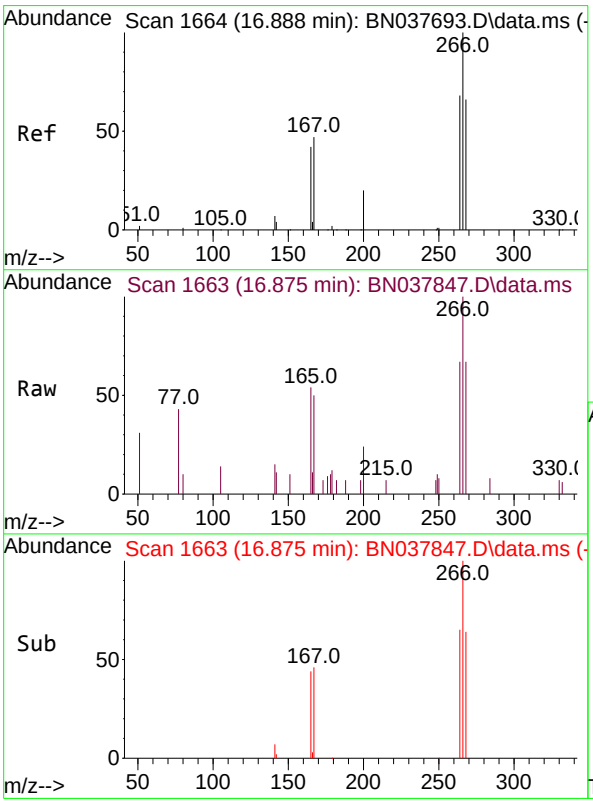
#23
Atrazine
Concen: 0.357 ng
RT: 16.689 min Scan# 1
Delta R.T. -0.013 min
Lab File: BN037847.D
Acq: 20 Sep 2025 11:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:200 Resp: 1936

Ion	Ratio	Lower	Upper
200	100		
173	27.0	21.4	32.2
215	48.7	39.2	58.8

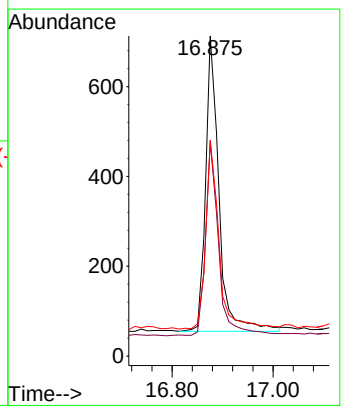


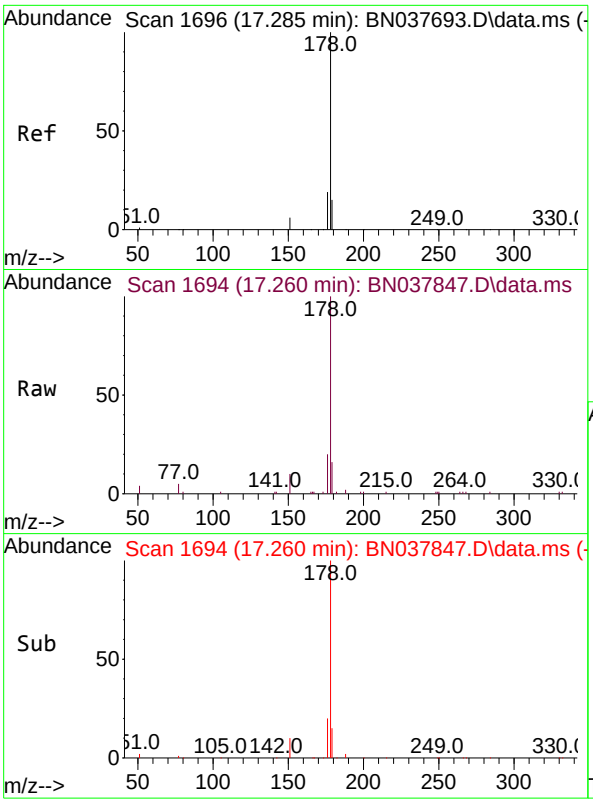


#24
Pentachlorophenol
Concen: 0.423 ng
RT: 16.875 min Scan# 1663
Delta R.T. -0.013 min
Lab File: BN037847.D
Acq: 20 Sep 2025 11:39

Tgt Ion:266 Resp: 1204

Ion	Ratio	Lower	Upper
266	100		
264	65.0	51.6	77.4
268	63.9	53.2	79.8



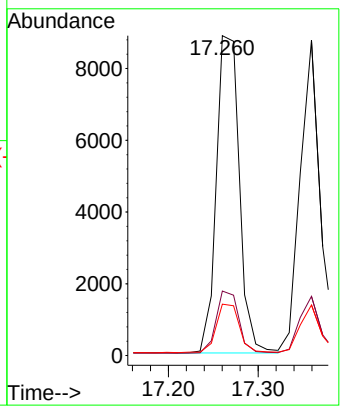


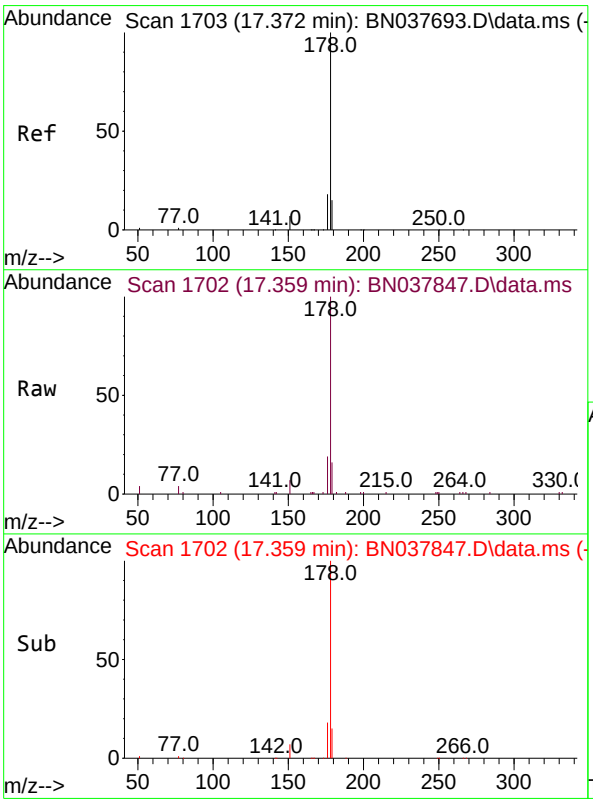
#25
Phenanthrene
Concen: 0.384 ng
RT: 17.260 min Scan# 1
Delta R.T. -0.025 min
Lab File: BN037847.D
Acq: 20 Sep 2025 11:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:178 Resp: 15813

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.3	22.9
179	15.7	12.2	18.2

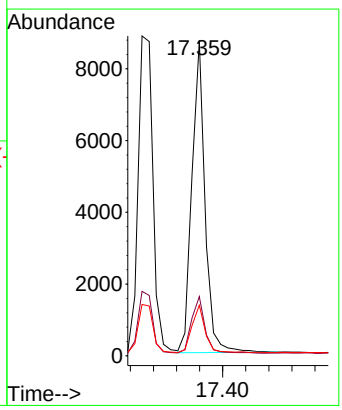


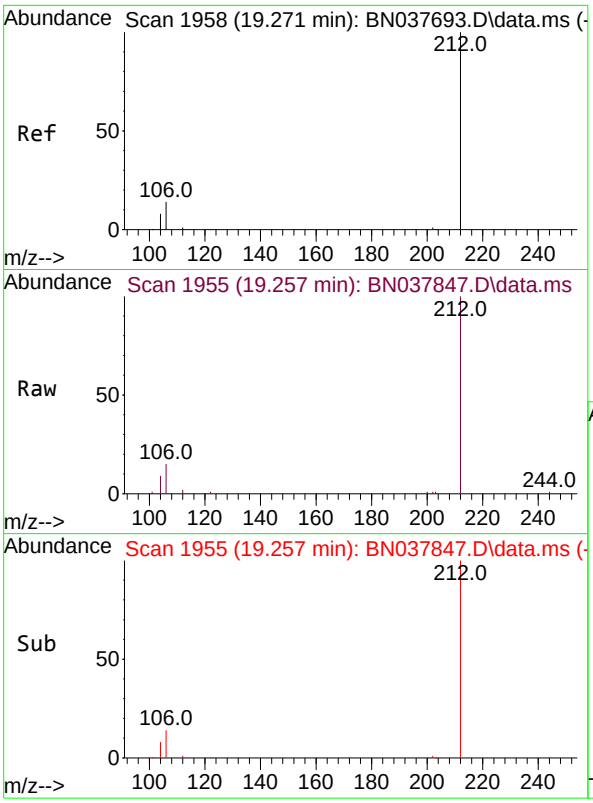


#26
Anthracene
Concen: 0.375 ng
RT: 17.359 min Scan# 1702
Delta R.T. -0.013 min
Lab File: BN037847.D
Acq: 20 Sep 2025 11:39

Tgt Ion:178 Resp: 13675

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.6	22.0
179	15.5	12.2	18.4



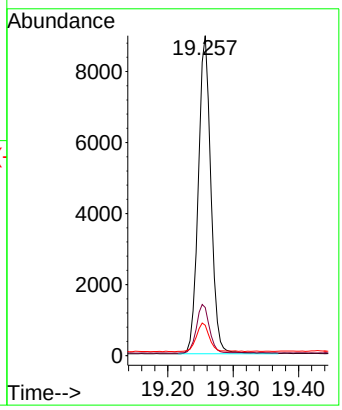


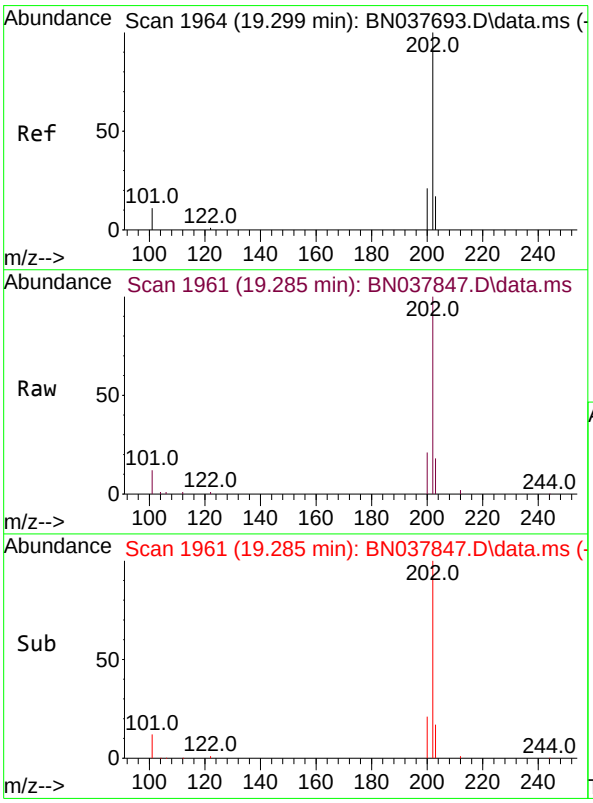
#27
Fluoranthene-d10
Concen: 0.365 ng
RT: 19.257 min Scan# 19
Delta R.T. -0.014 min
Lab File: BN037847.D
Acq: 20 Sep 2025 11:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:212 Resp: 11964

Ion	Ratio	Lower	Upper
212	100		
106	15.8	12.2	18.2
104	9.3	6.9	10.3

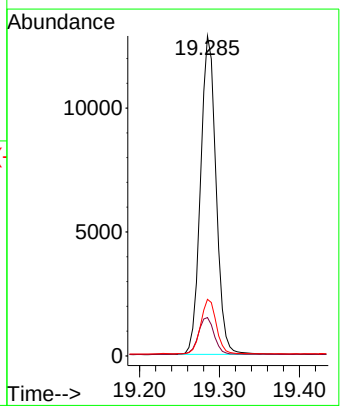


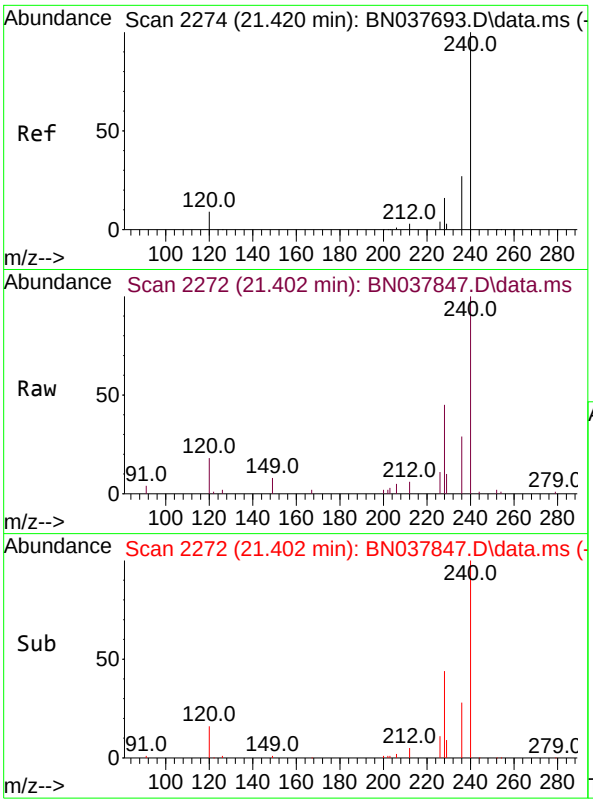


#28
Fluoranthene
Concen: 0.383 ng
RT: 19.285 min Scan# 1961
Delta R.T. -0.014 min
Lab File: BN037847.D
Acq: 20 Sep 2025 11:39

Tgt Ion:202 Resp: 17285

Ion	Ratio	Lower	Upper
202	100		
101	12.0	9.3	13.9
203	17.1	13.7	20.5



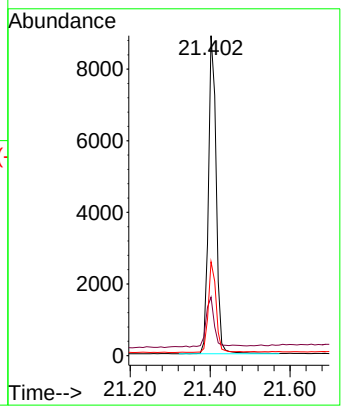


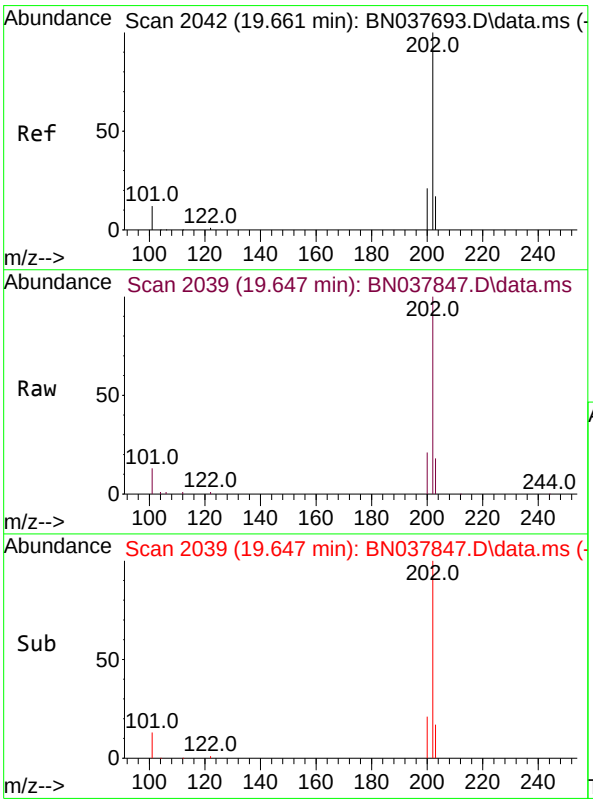
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.402 min Scan# 21
Delta R.T. -0.018 min
Lab File: BN037847.D
Acq: 20 Sep 2025 11:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:240 Resp: 12006

Ion	Ratio	Lower	Upper
240	100		
120	18.3	9.2	13.8#
236	29.3	22.6	33.8

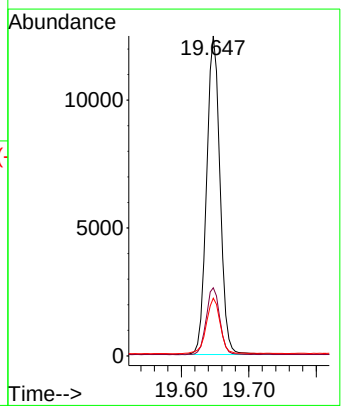


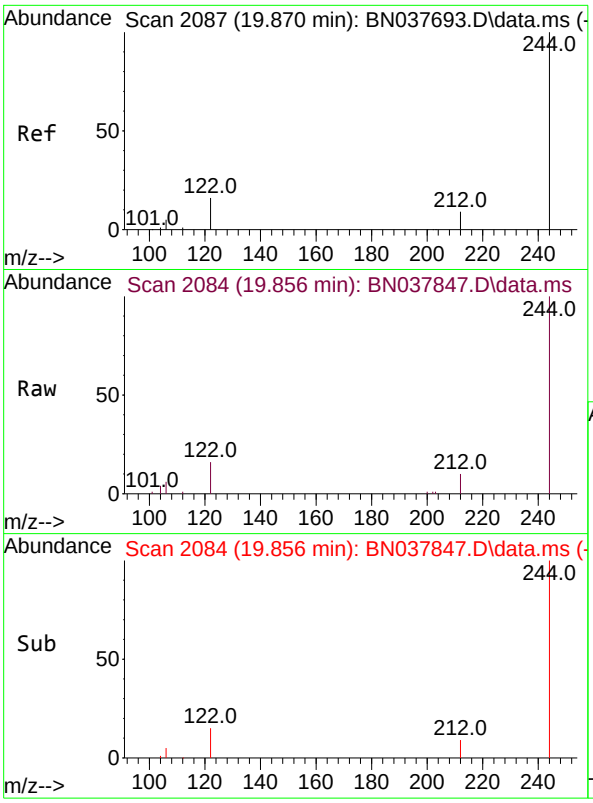


#30
Pyrene
Concen: 0.367 ng
RT: 19.647 min Scan# 2039
Delta R.T. -0.014 min
Lab File: BN037847.D
Acq: 20 Sep 2025 11:39

Tgt Ion:202 Resp: 17226

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.8	25.2
203	17.9	14.3	21.5



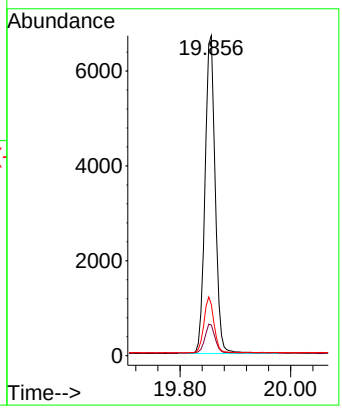


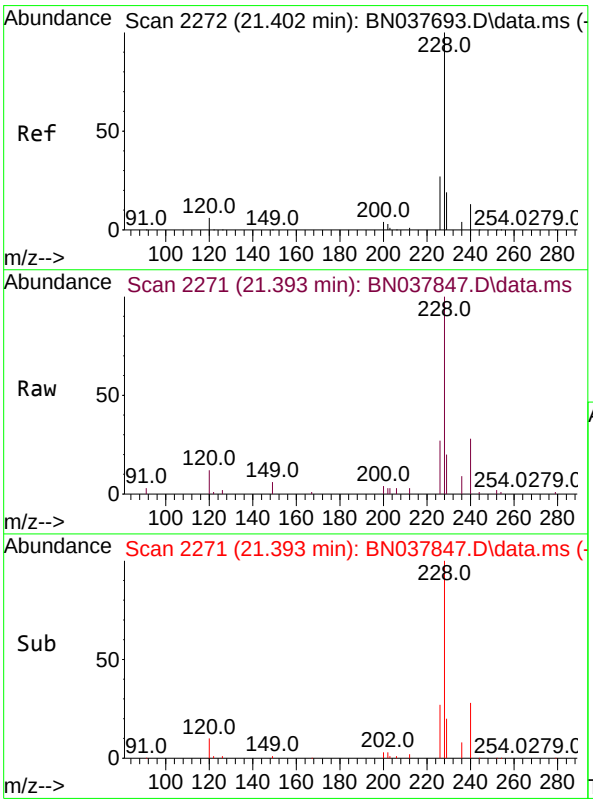
#31
Terphenyl-d14
Concen: 0.348 ng
RT: 19.856 min Scan# 2
Delta R.T. -0.014 min
Lab File: BN037847.D
Acq: 20 Sep 2025 11:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:244 Resp: 8481

Ion	Ratio	Lower	Upper
244	100		
212	9.6	7.5	11.3
122	16.0	13.2	19.8

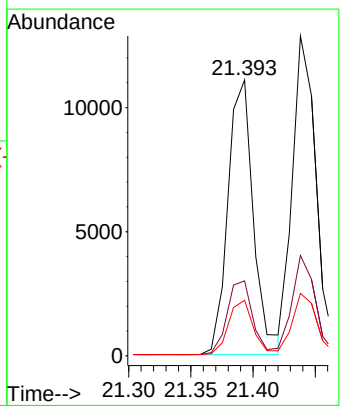


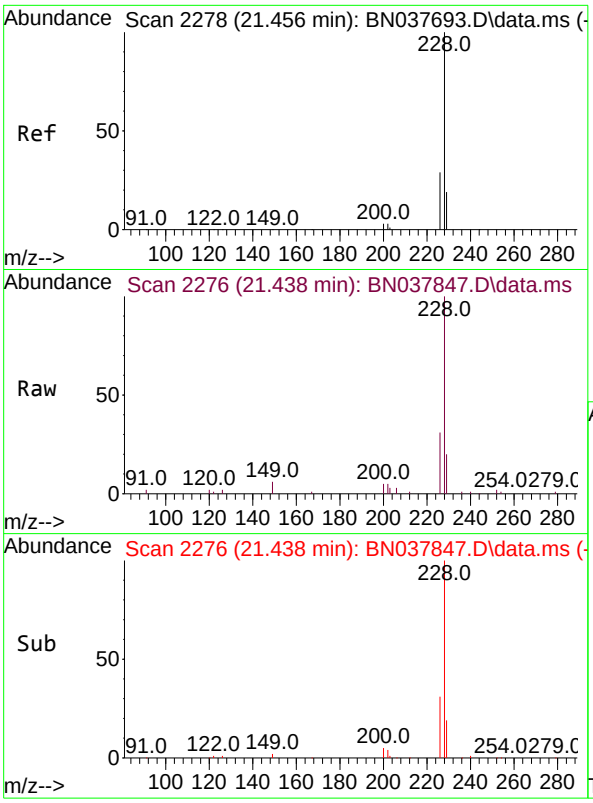


#32
Benzo(a)anthracene
Concen: 0.378 ng
RT: 21.393 min Scan# 2271
Delta R.T. -0.009 min
Lab File: BN037847.D
Acq: 20 Sep 2025 11:39

Tgt Ion:228 Resp: 15817

Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.2	33.2
229	20.1	15.8	23.6



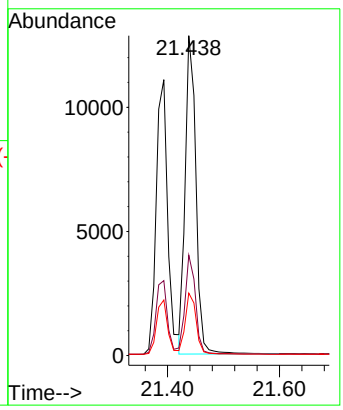


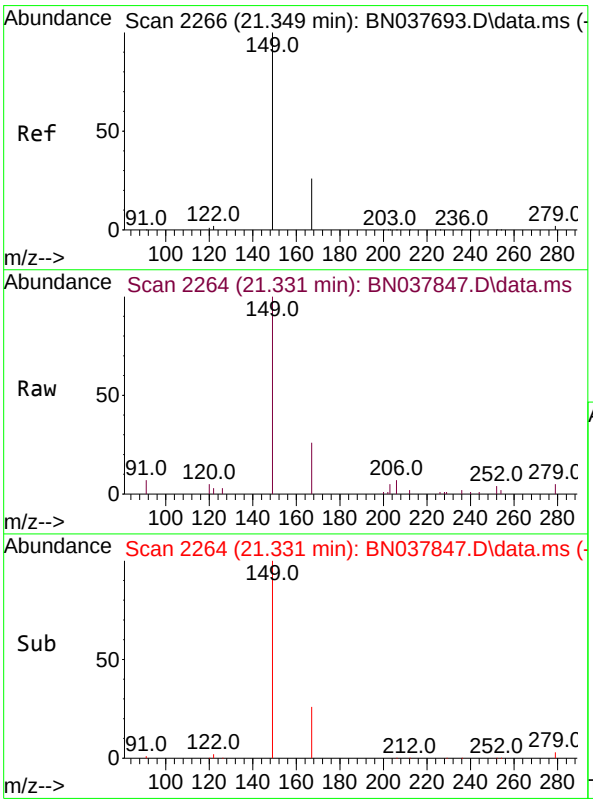
#33
Chrysene
Concen: 0.381 ng
RT: 21.438 min Scan# 2
Delta R.T. -0.018 min
Lab File: BN037847.D
Acq: 20 Sep 2025 11:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:228 Resp: 17106

Ion	Ratio	Lower	Upper
228	100		
226	31.4	23.5	35.3
229	19.5	15.9	23.9

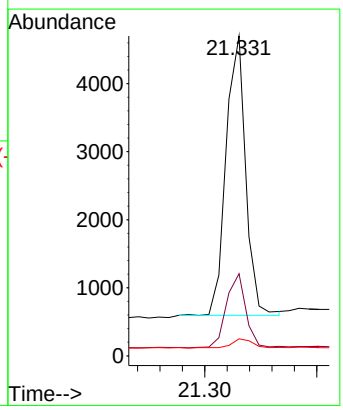


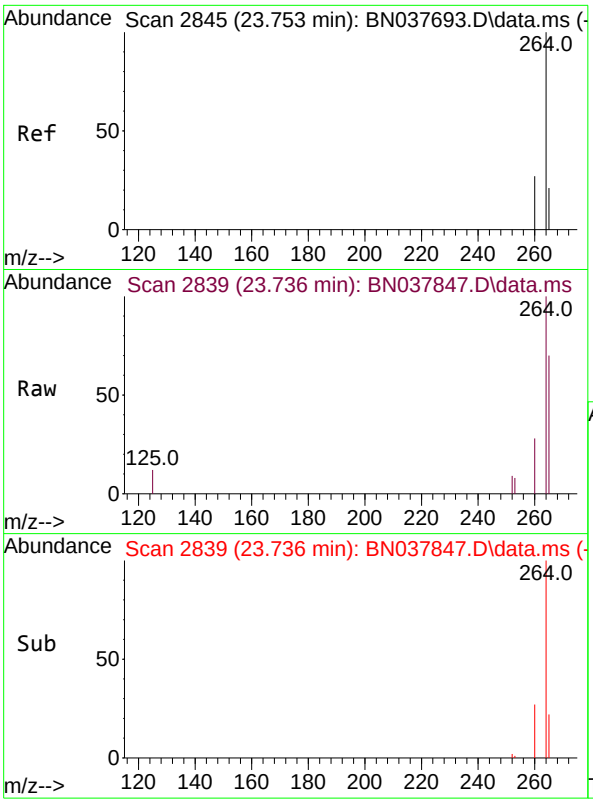


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.402 ng
RT: 21.331 min Scan# 2264
Delta R.T. -0.018 min
Lab File: BN037847.D
Acq: 20 Sep 2025 11:39

Tgt Ion:149 Resp: 4990

Ion	Ratio	Lower	Upper
149	100		
167	26.8	20.8	31.2
279	3.7	3.3	4.9



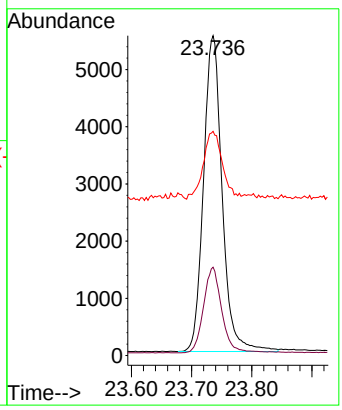


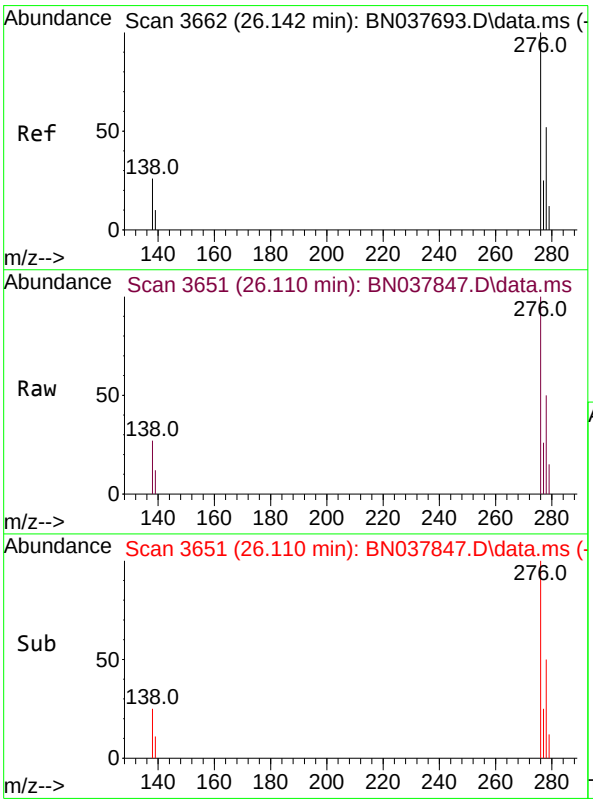
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.736 min Scan# 28
Delta R.T. -0.018 min
Lab File: BN037847.D
Acq: 20 Sep 2025 11:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:264 Resp: 11862

Ion	Ratio	Lower	Upper
264	100		
260	27.6	21.8	32.8
265	70.1	39.4	59.2#

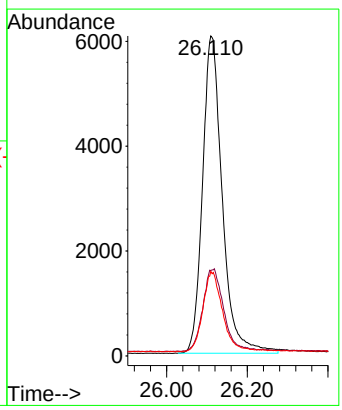


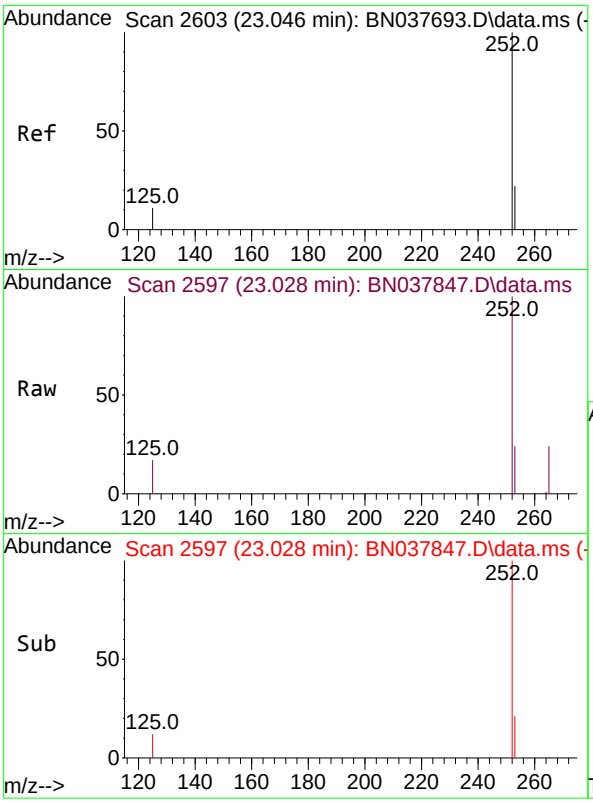


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.413 ng
RT: 26.110 min Scan# 3651
Delta R.T. -0.032 min
Lab File: BN037847.D
Acq: 20 Sep 2025 11:39

Tgt Ion:276 Resp: 20571

Ion	Ratio	Lower	Upper
276	100		
138	27.2	21.9	32.9
277	25.0	20.1	30.1



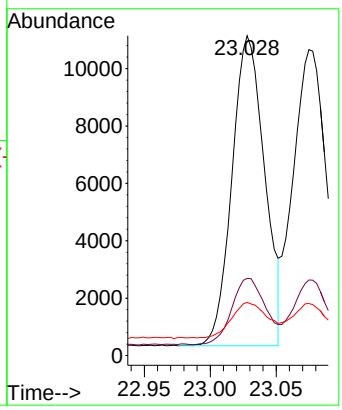


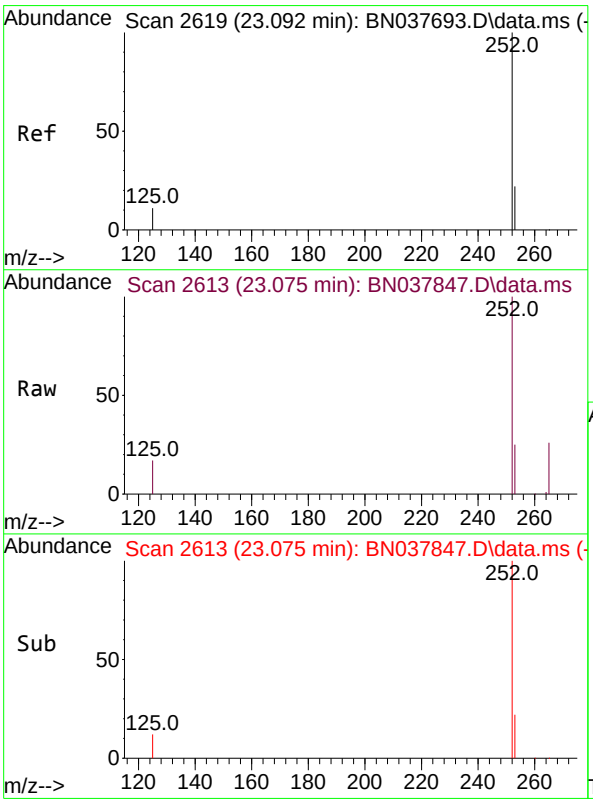
#37
Benzo(b)fluoranthene
Concen: 0.397 ng
RT: 23.028 min Scan# 2
Delta R.T. -0.018 min
Lab File: BN037847.D
Acq: 20 Sep 2025 11:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 18556

Ion	Ratio	Lower	Upper
252	100		
253	24.1	19.4	29.2
125	16.6	11.2	16.8

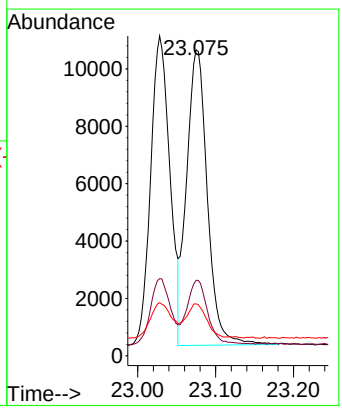


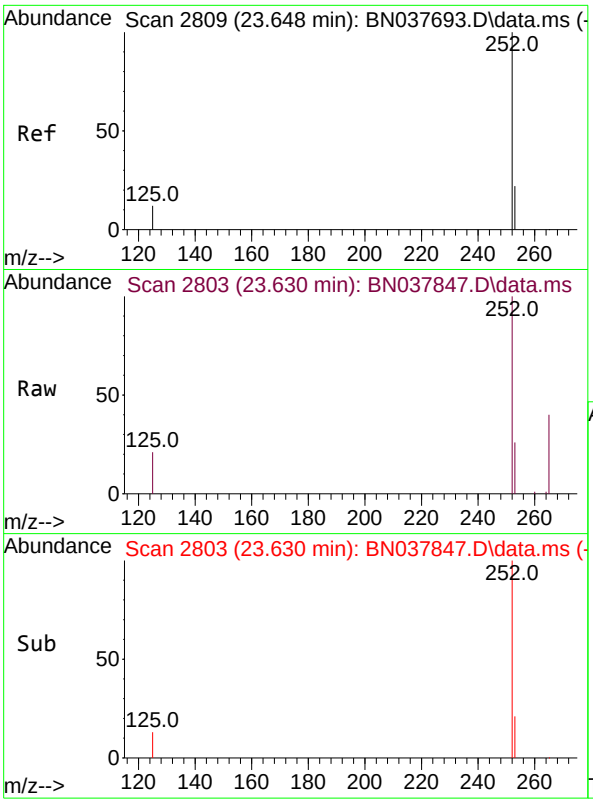


#38
Benzo(k)fluoranthene
Concen: 0.401 ng
RT: 23.075 min Scan# 2613
Delta R.T. -0.018 min
Lab File: BN037847.D
Acq: 20 Sep 2025 11:39

Tgt Ion:252 Resp: 19102

Ion	Ratio	Lower	Upper
252	100		
253	24.7	19.4	29.0
125	17.0	11.6	17.4



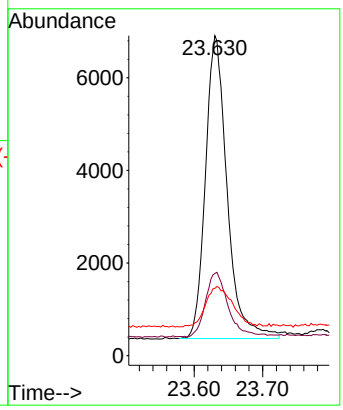


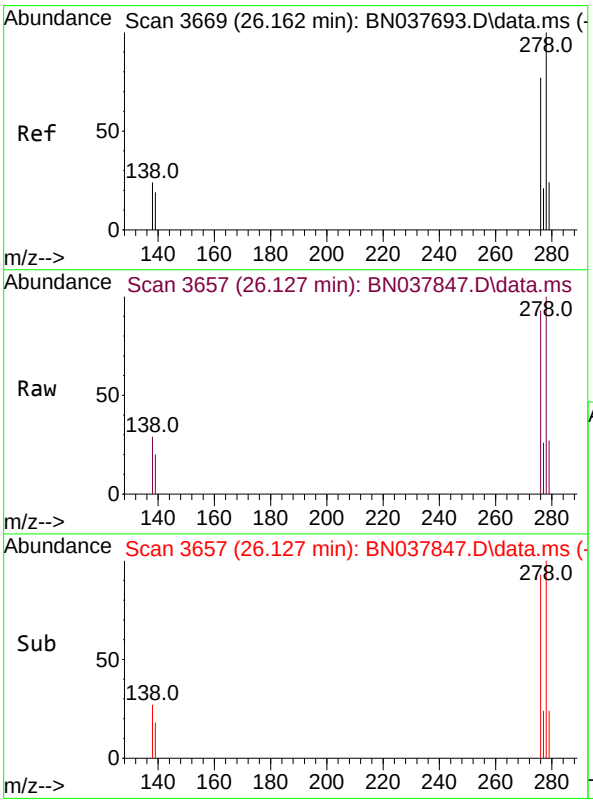
#39
Benzo(a)pyrene
Concen: 0.384 ng
RT: 23.630 min Scan# 28
Delta R.T. -0.018 min
Lab File: BN037847.D
Acq: 20 Sep 2025 11:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 14379

Ion	Ratio	Lower	Upper
252	100		
253	25.7	20.8	31.2
125	21.0	13.9	20.9#

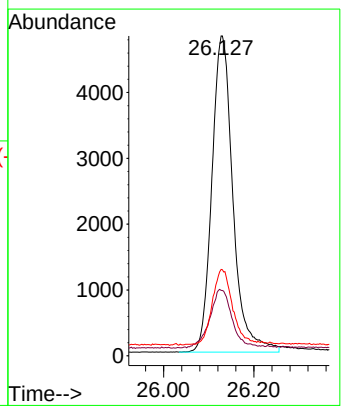


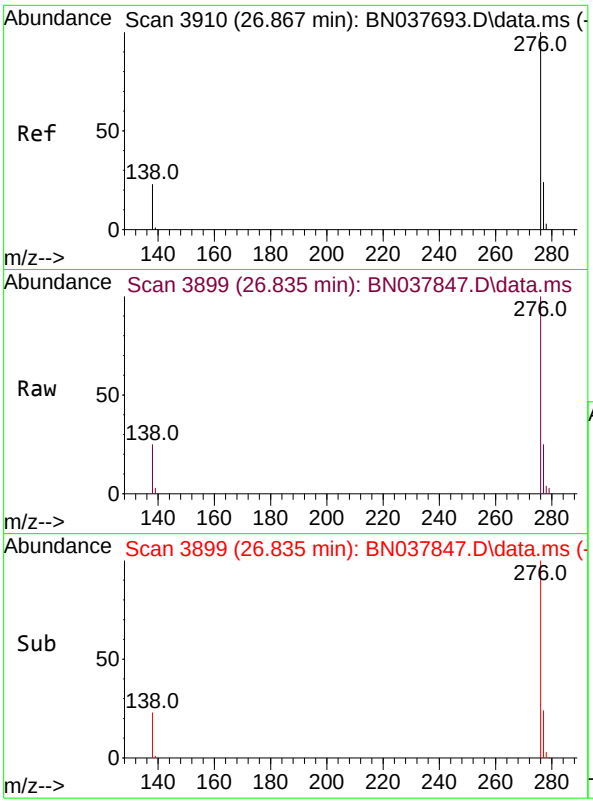


#40
Dibenzo(a,h)anthracene
Concen: 0.392 ng
RT: 26.127 min Scan# 3657
Delta R.T. -0.035 min
Lab File: BN037847.D
Acq: 20 Sep 2025 11:39

Tgt Ion:278 Resp: 15603

Ion	Ratio	Lower	Upper
278	100		
139	20.5	17.8	26.6
279	27.0	22.0	33.0



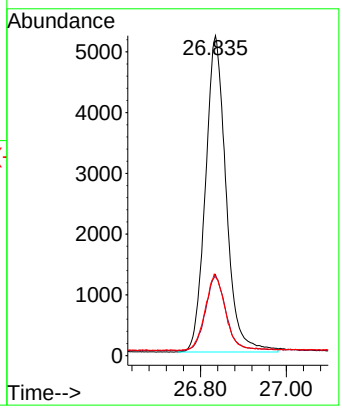


#41
Benzo(g,h,i)perylene
Concen: 0.390 ng
RT: 26.835 min Scan# 3
Delta R.T. -0.032 min
Lab File: BN037847.D
Acq: 20 Sep 2025 11:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 17395

Ion	Ratio	Lower	Upper
276	100		
277	25.3	20.6	31.0
138	24.6	20.2	30.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091925\
Data File : BN037847.D
Acq On : 20 Sep 2025 11:39
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Quant Time: Sep 22 00:38:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	123	-0.01
2		1,4-Dioxane	0.417	0.423	-1.4	123	0.00
3		n-Nitrosodimethylamine	0.544	0.519	4.6	113	0.00
4	S	2-Fluorophenol	0.918	0.876	4.6	121	0.00
5	S	Phenol-d6	1.191	1.109	6.9	118	0.00
6		bis(2-Chloroethyl)ether	1.064	1.029	3.3	118	-0.01
7	I	Naphthalene-d8	1.000	1.000	0.0	122	-0.02
8	S	Nitrobenzene-d5	0.293	0.288	1.7	124	-0.02
9		Naphthalene	1.093	1.051	3.8	120	-0.01
10		Hexachlorobutadiene	0.198	0.188	5.1	116	-0.02
11	SURR	2-Methylnaphthalene-d10	0.530	0.470	11.3	115	-0.02
12		2-Methylnaphthalene	0.676	0.625	7.5	116	-0.02
13	I	Acenaphthene-d10	1.000	1.000	0.0	117	-0.02
14	S	2,4,6-Tribromophenol	0.104	0.123	-18.3	143	-0.01
15	S	2-Fluorobiphenyl	1.673	1.607	3.9	114	-0.01
16		Acenaphthylene	1.834	1.674	8.7	110	-0.01
17		Acenaphthene	1.240	1.169	5.7	112	-0.02
18		Fluorene	1.502	1.367	9.0	111	-0.01
19	I	Phenanthrene-d10	1.000	1.000	0.0	116	-0.01
20		4,6-Dinitro-2-methylphenol	0.037	0.030	18.9	106	-0.01
21		4-Bromophenyl-phenylether	0.261	0.237	9.2	109	-0.02
22		Hexachlorobenzene	0.300	0.305	-1.7	121	-0.01
23		Atrazine	0.166	0.148	10.8	113	-0.01
24		Pentachlorophenol	0.087	0.092	-5.7	144	-0.01
25		Phenanthrene	1.259	1.210	3.9	115	-0.02
26		Anthracene	1.116	1.046	6.3	113	-0.01
27	SURR	Fluoranthene-d10	1.004	0.915	8.9	114	-0.01
28		Fluoranthene	1.381	1.322	4.3	117	-0.01
29	I	Chrysene-d12	1.000	1.000	0.0	128	-0.02
30		Pyrene	1.566	1.435	8.4	118	-0.01
31	S	Terphenyl-d14	0.812	0.706	13.1	113	-0.01
32		Benzo(a)anthracene	1.395	1.317	5.6	125	0.00
33		Chrysene	1.496	1.425	4.7	122	-0.02
34		Bis(2-ethylhexyl)phthalate	0.414	0.416	-0.5	142	-0.02
35	I	Perylene-d12	1.000	1.000	0.0	132	-0.02
36		Indeno(1,2,3-cd)pyrene	1.681	1.734	-3.2	149	-0.03
37		Benzo(b)fluoranthene	1.575	1.564	0.7	133	-0.02
38		Benzo(k)fluoranthene	1.606	1.610	-0.2	140	-0.02
39	C	Benzo(a)pyrene	1.261	1.212	3.9	134	-0.02
40		Dibenzo(a,h)anthracene	1.342	1.315	2.0	144	-0.04
41		Benzo(g,h,i)perylene	1.506	1.466	2.7	134	-0.03

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091925\
Data File : BN037847.D
Acq On : 20 Sep 2025 11:39
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Quant Time: Sep 22 00:38:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	0.400	0.400	0.0	123	-0.01
2		1,4-Dioxane	0.400	0.406	-1.5	123	0.00
3		n-Nitrosodimethylamine	0.400	0.381	4.8	113	0.00
4	S	2-Fluorophenol	0.400	0.381	4.8	121	0.00
5	S	Phenol-d6	0.400	0.373	6.8	118	0.00
6		bis(2-Chloroethyl)ether	0.400	0.387	3.3	118	-0.01
7	I	Naphthalene-d8	0.400	0.400	0.0	122	-0.02
8	S	Nitrobenzene-d5	0.400	0.394	1.5	124	-0.02
9		Naphthalene	0.400	0.384	4.0	120	-0.01
10		Hexachlorobutadiene	0.400	0.380	5.0	116	-0.02
11	SURR	2-Methylnaphthalene-d10	0.400	0.355	11.3	115	-0.02
12		2-Methylnaphthalene	0.400	0.369	7.8	116	-0.02
13	I	Acenaphthene-d10	0.400	0.400	0.0	117	-0.02
14	S	2,4,6-Tribromophenol	0.400	0.472	-18.0	143	-0.01
15	S	2-Fluorobiphenyl	0.400	0.384	4.0	114	-0.01
16		Acenaphthylene	0.400	0.365	8.8	110	-0.01
17		Acenaphthene	0.400	0.377	5.8	112	-0.02
18		Fluorene	0.400	0.364	9.0	111	-0.01
19	I	Phenanthrene-d10	0.400	0.400	0.0	116	-0.01
20		4,6-Dinitro-2-methylphenol	0.400	0.327	18.3	106	-0.01
21		4-Bromophenyl-phenylether	0.400	0.363	9.3	109	-0.02
22		Hexachlorobenzene	0.400	0.407	-1.7	121	-0.01
23		Atrazine	0.400	0.357	10.8	113	-0.01
24		Pentachlorophenol	0.400	0.423	-5.7	144	-0.01
25		Phenanthrene	0.400	0.384	4.0	115	-0.02
26		Anthracene	0.400	0.375	6.3	113	-0.01
27	SURR	Fluoranthene-d10	0.400	0.365	8.8	114	-0.01
28		Fluoranthene	0.400	0.383	4.3	117	-0.01
29	I	Chrysene-d12	0.400	0.400	0.0	128	-0.02
30		Pyrene	0.400	0.367	8.3	118	-0.01
31	S	Terphenyl-d14	0.400	0.348	13.0	113	-0.01
32		Benzo(a)anthracene	0.400	0.378	5.5	125	0.00
33		Chrysene	0.400	0.381	4.8	122	-0.02
34		Bis(2-ethylhexyl)phthalate	0.400	0.402	-0.5	142	-0.02
35	I	Perylene-d12	0.400	0.400	0.0	132	-0.02
36		Indeno(1,2,3-cd)pyrene	0.400	0.413	-3.2	149	-0.03
37		Benzo(b)fluoranthene	0.400	0.397	0.8	133	-0.02
38		Benzo(k)fluoranthene	0.400	0.401	-0.3	140	-0.02
39	C	Benzo(a)pyrene	0.400	0.384	4.0	134	-0.02
40		Dibenzo(a,h)anthracene	0.400	0.392	2.0	144	-0.04
41		Benzo(g,h,i)perylene	0.400	0.390	2.5	134	-0.03

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

QC SAMPLE DATA

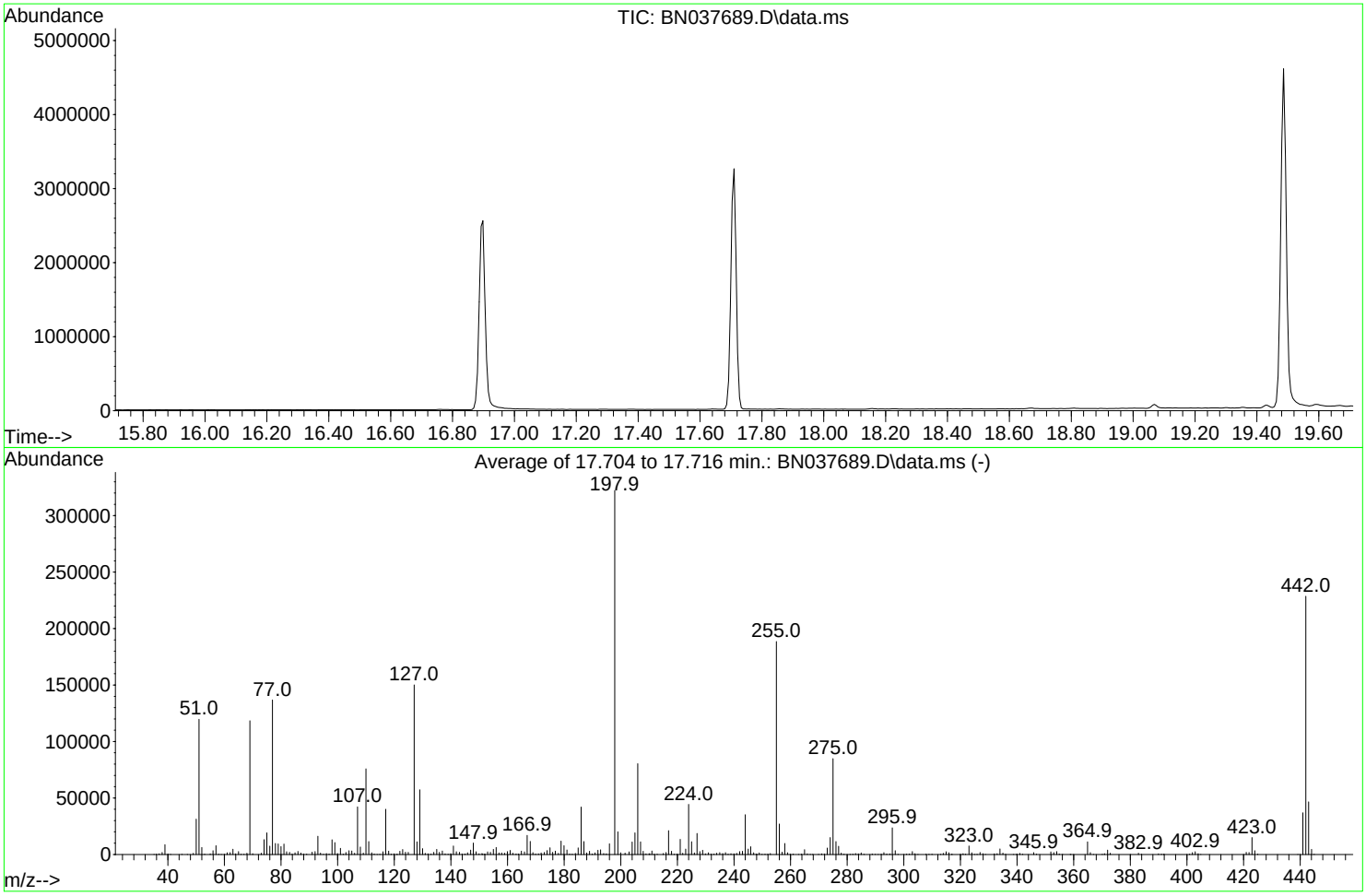
Sample Results: **BN037689.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091125\
Data File : BN037689.D
Acq On : 11 Sep 2025 07:54
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-BN091125.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Sep 11 14:20:01 2025



AutoFind: Scans 2485, 2486, 2487; Background Corrected with Scan 2478

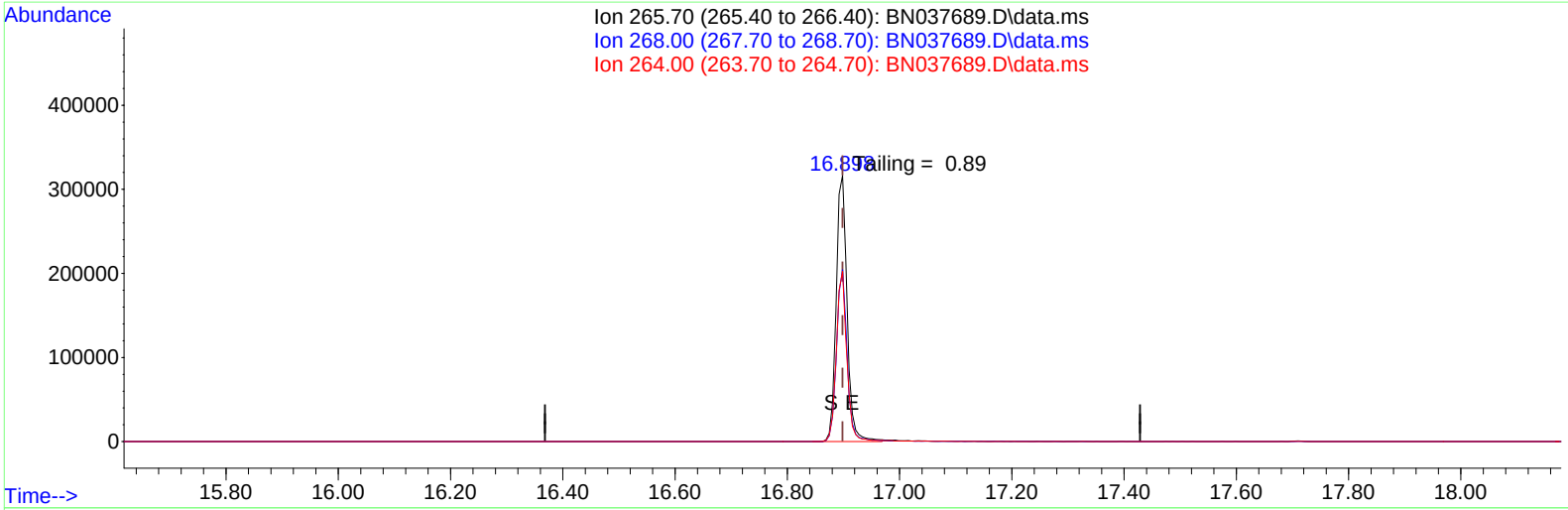
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.0	1148	PASS
69	69	100	100	100.0	118397	PASS
70	69	0.00	2	0.6	697	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	322261	PASS
199	198	5	9	6.2	20092	PASS
365	198	1	100	3.5	11183	PASS
441	443	0.01	150	79.2	36909	PASS
442	442	100	100	100.0	228651	PASS
443	442	15	24	20.4	46619	PASS

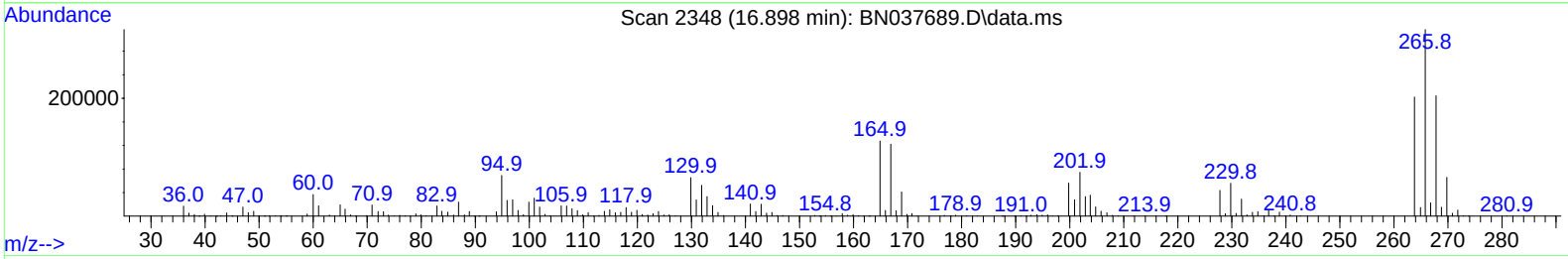
Sample Results: **BN037689.D**

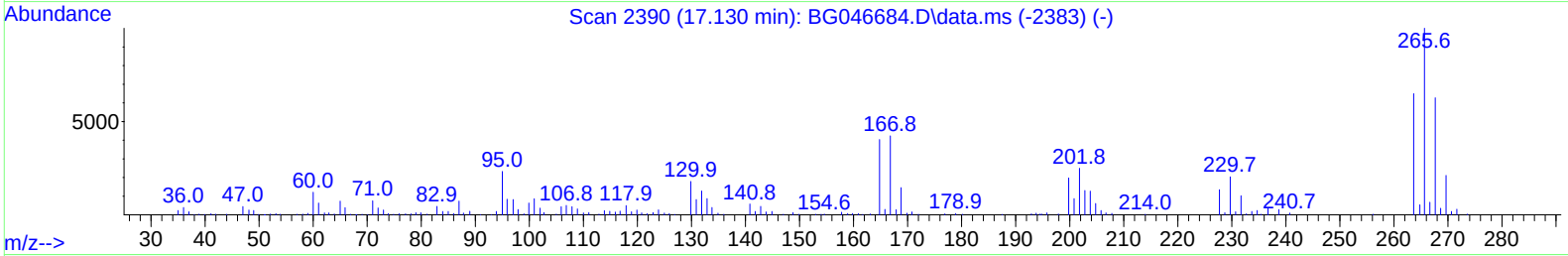
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091125\
Data File : BN037689.D
Acq On : 11 Sep 2025 07:54
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Sep 11 13:15:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 13:14:53 2025
Response via : Initial Calibration







TIC: BN037689.D\data.ms

(70) Pentachlorophenol (C)

16.898min (0.000) 277.63 ng

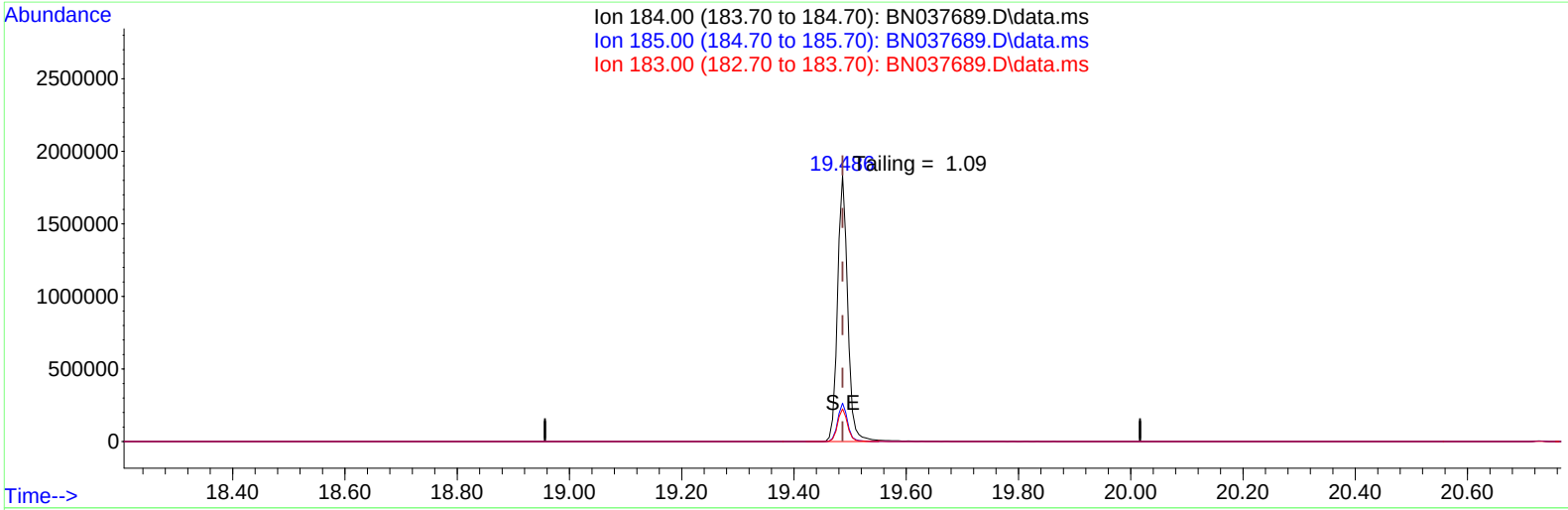
response 430126

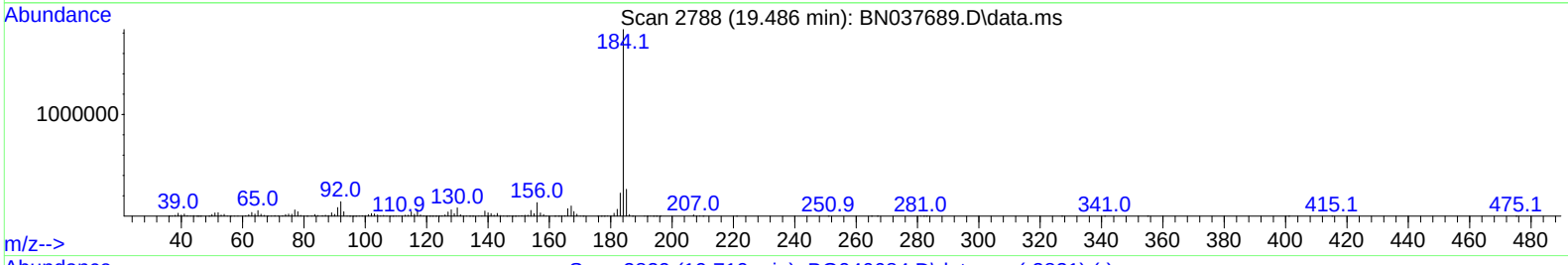
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	64.50	64.54
264.00	63.90	63.87
0.00	0.00	0.00

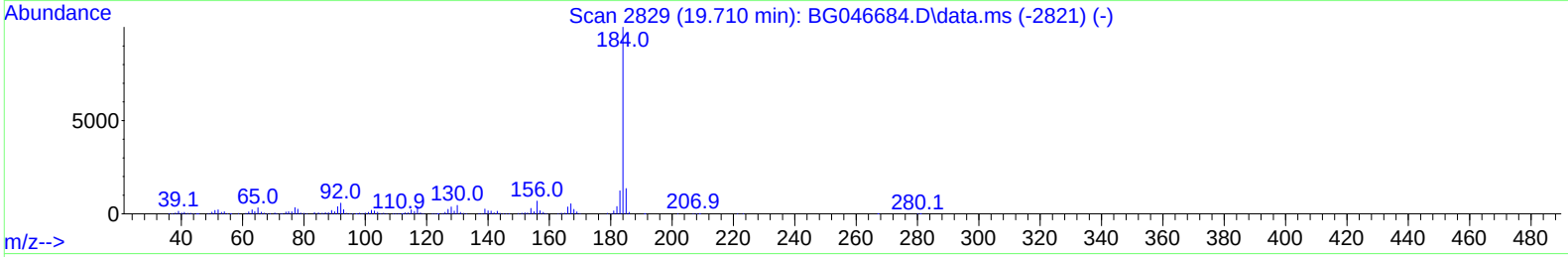
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091125\
Data File : BN037689.D
Acq On : 11 Sep 2025 07:54
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Sep 11 13:15:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 13:14:53 2025
Response via : Initial Calibration







TIC: BN037689.D\data.ms

(77) Benzidine

19.486min (0.000) 64237.37 ng

response 2281946

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	14.43
183.00	12.30	12.32
0.00	0.00	0.00

Instrument :
BNA_N
ClientSampleId :
DFTPP

DDT Breakdown

Date	Instrument Name	DFTPP Data File
9/11/2025	BNA_N	BN037689.D
Compound Name	**Response**	**Retention Time**
DDT	1069016	20.727
DDD	7982	20.286
DDE	769	19.78
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
8751	1077767	0.81

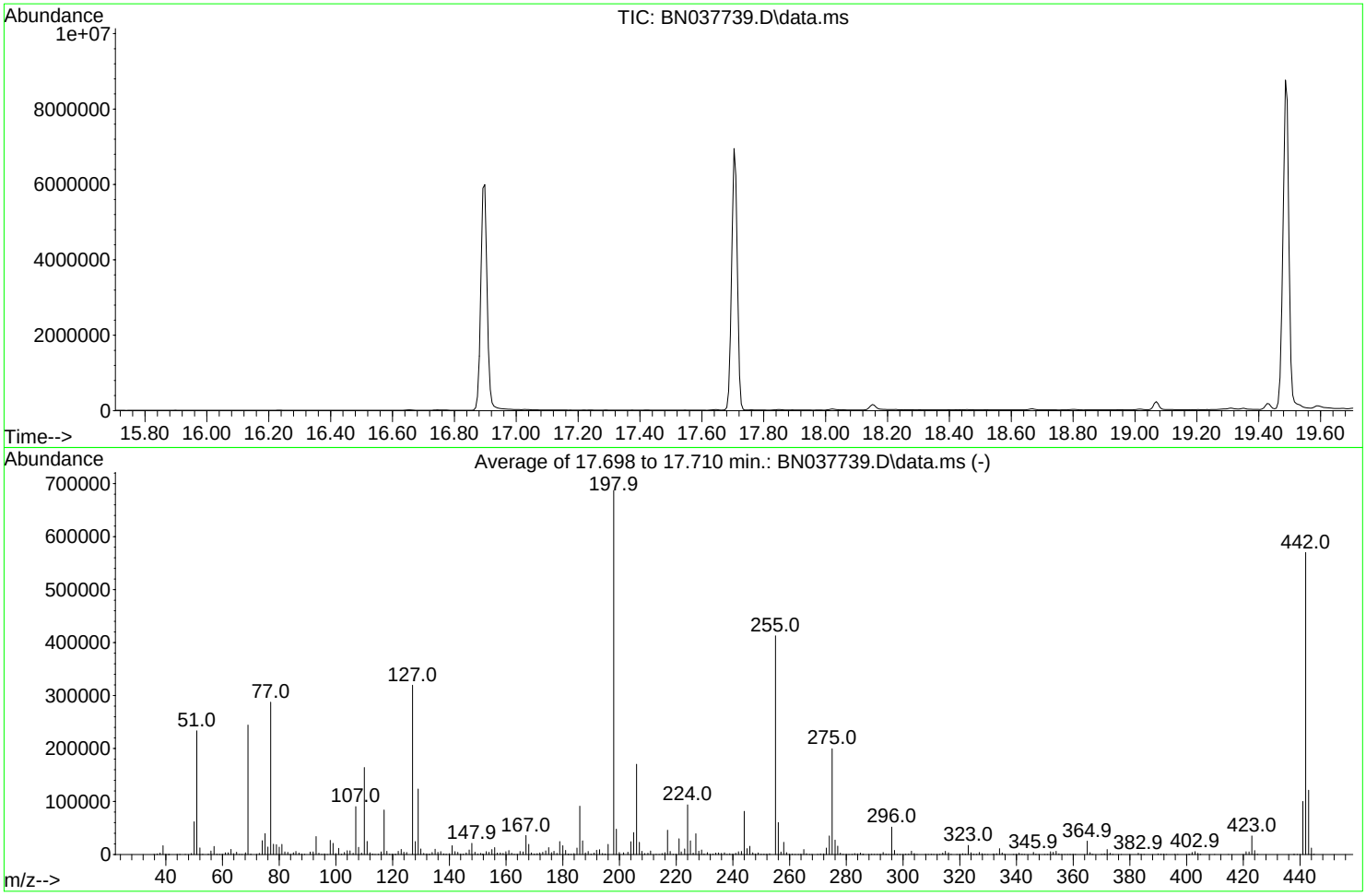
Sample Results: **BN037739.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091725\
Data File : BN037739.D
Acq On : 17 Sep 2025 10:46
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-BN091125.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Sep 11 14:20:01 2025



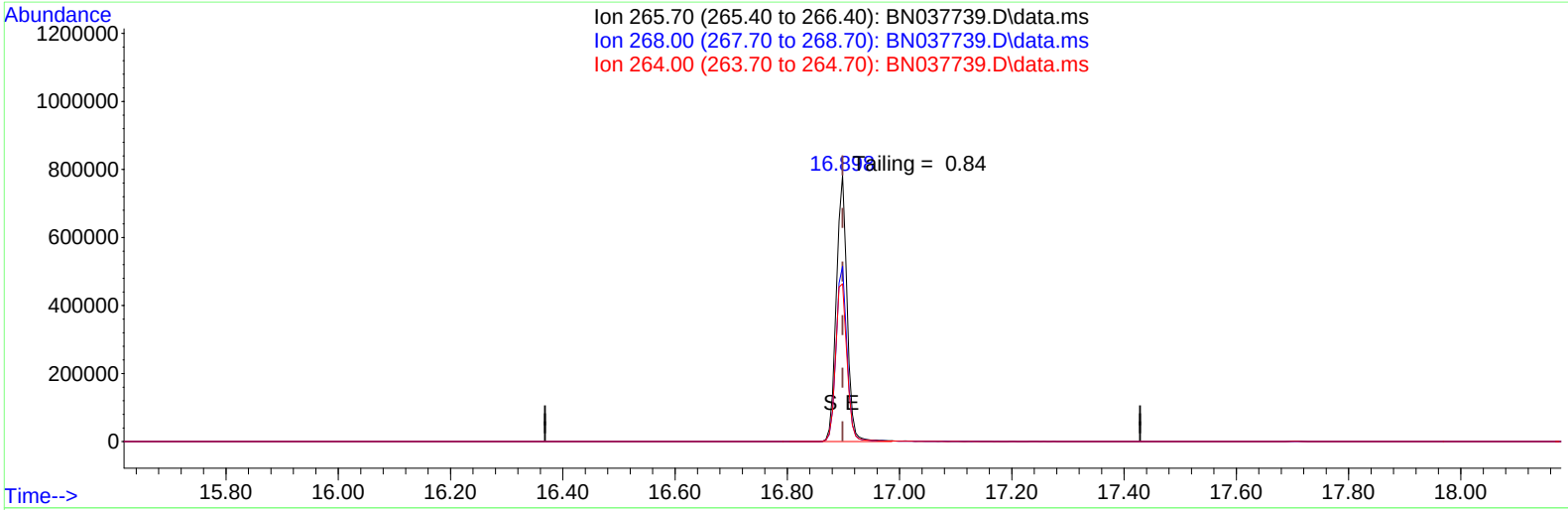
AutoFind: Scans 2484, 2485, 2486; Background Corrected with Scan 2477

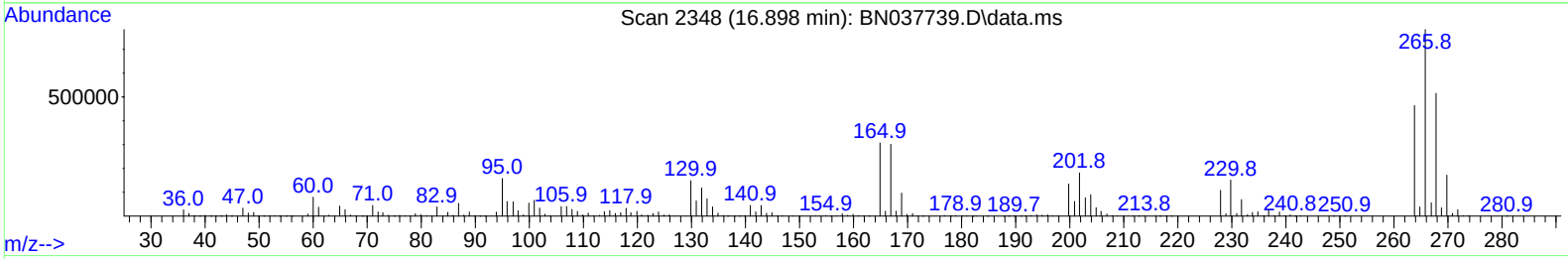
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.3	3107	PASS
69	69	100	100	100.0	244250	PASS
70	69	0.00	2	0.4	1067	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	687061	PASS
199	198	5	9	6.9	47709	PASS
365	198	1	100	3.7	25139	PASS
441	443	0.01	150	82.6	100245	PASS
442	442	100	100	100.0	570155	PASS
443	442	15	24	21.3	121381	PASS

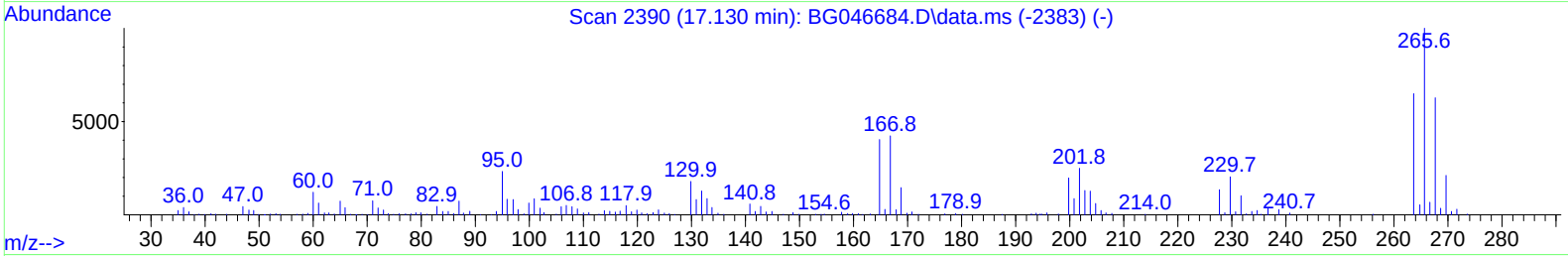
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091725\
Data File : BN037739.D
Acq On : 17 Sep 2025 10:46
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Sep 17 12:56:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 17 12:55:52 2025
Response via : Initial Calibration







TIC: BN037739.D\data.ms

(70) Pentachlorophenol (C)

16.898min (0.000) 620.62 ng

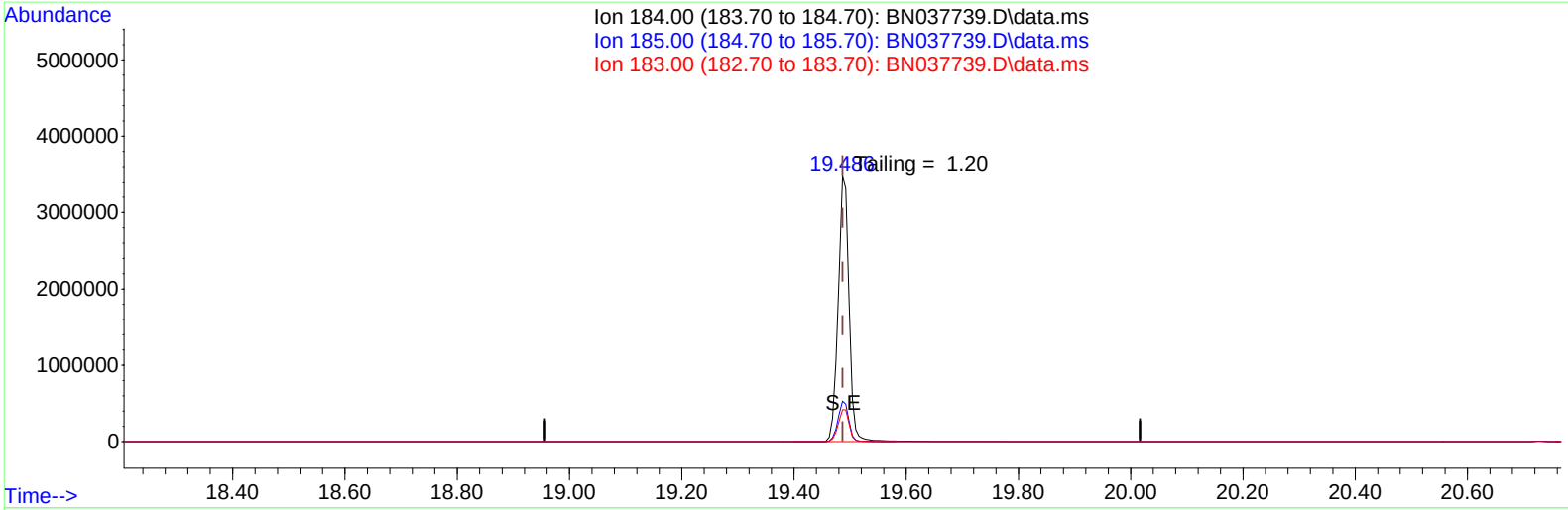
response 1035710

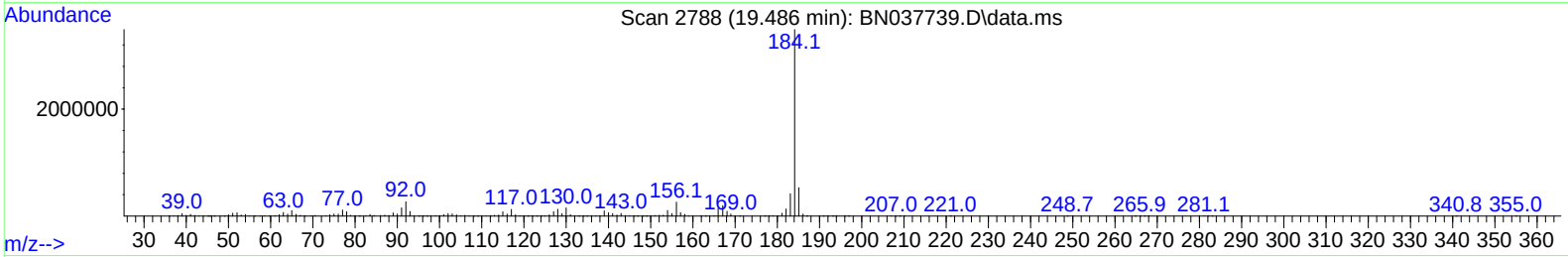
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.20	65.84
264.00	61.60	59.28
0.00	0.00	0.00

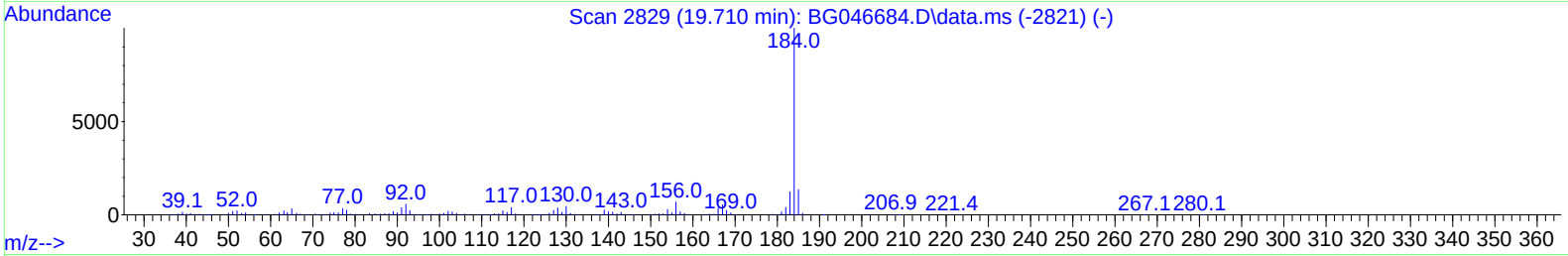
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091725\
Data File : BN037739.D
Acq On : 17 Sep 2025 10:46
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Sep 17 12:56:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 17 12:55:52 2025
Response via : Initial Calibration







TIC: BN037739.D\data.ms

(77) Benzidine

19.486min (0.000) 3519.75 ng

response 4617215

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.50	15.21
183.00	13.20	12.01
0.00	0.00	0.00

Instrument :
BNA_N
ClientSampleId :
DFTPP

DDT Breakdown

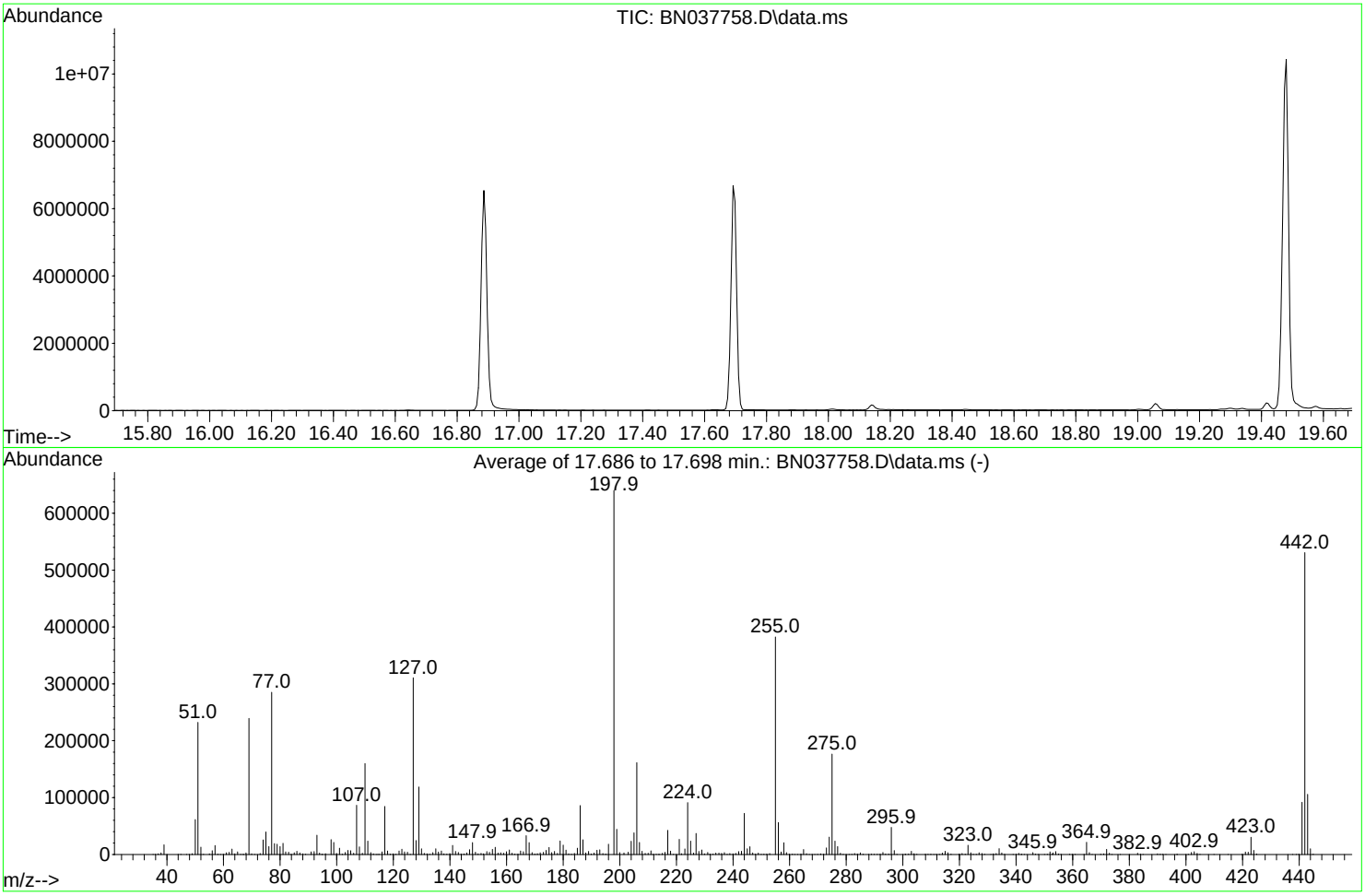
Date	Instrument Name	DFTPP Data File
9/17/2025	BNA_N	BN037739.D
Compound Name	**Response**	**Retention Time**
DDT	2253525	20.727
DDD	23969	20.286
DDE	1849	19.78
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
25818	2279343	1.13

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091725\
Data File : BN037758.D
Acq On : 18 Sep 2025 02:06
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-BN091125.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Sep 11 14:20:01 2025



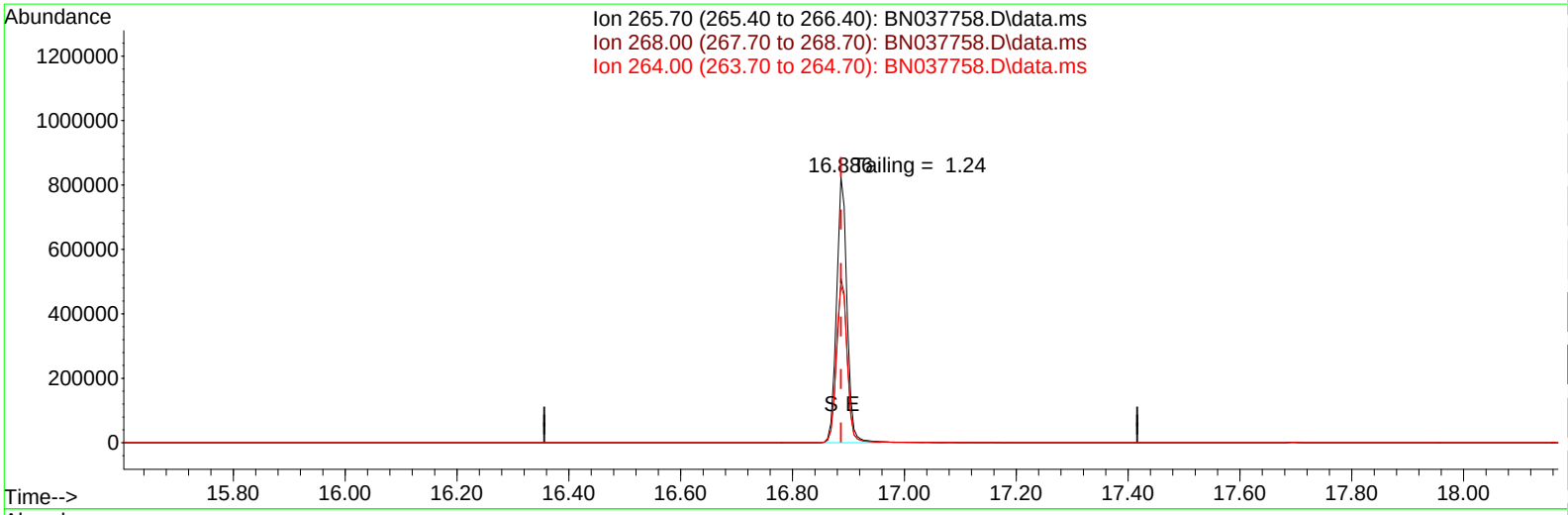
AutoFind: Scans 2482, 2483, 2484; Background Corrected with Scan 2475

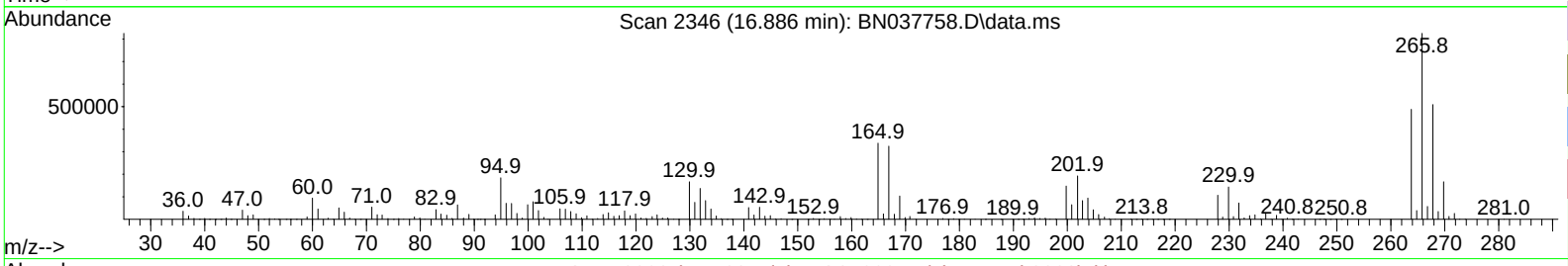
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.1	2651	PASS
69	69	100	100	100.0	239192	PASS
70	69	0.00	2	0.5	1177	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	640043	PASS
199	198	5	9	6.9	44243	PASS
365	198	1	100	3.3	21358	PASS
441	443	0.01	150	86.6	91685	PASS
442	442	100	100	100.0	530709	PASS
443	442	15	24	19.9	105811	PASS

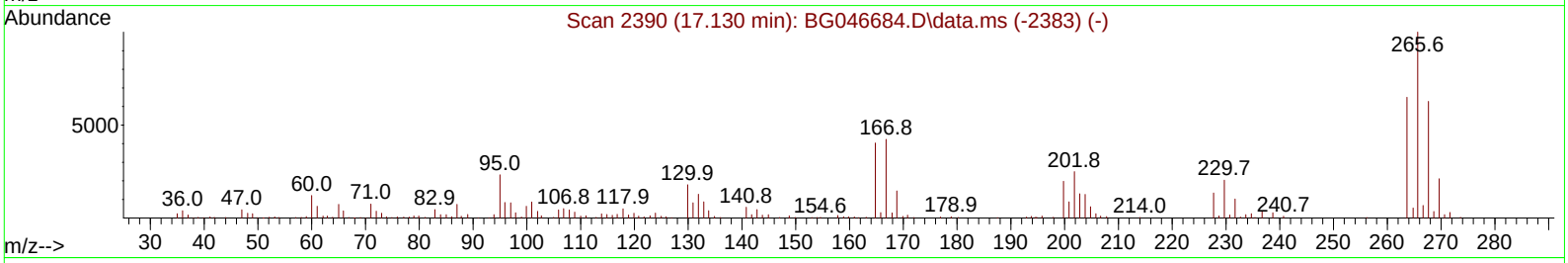
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091725\
Data File : BN037758.D
Acq On : 18 Sep 2025 02:06
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Sep 18 08:37:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 18 08:37:03 2025
Response via : Initial Calibration







TIC: BN037758.D\data.ms

(70) Pentachlorophenol (C)

16.886min (0.000) 150096.94 ng

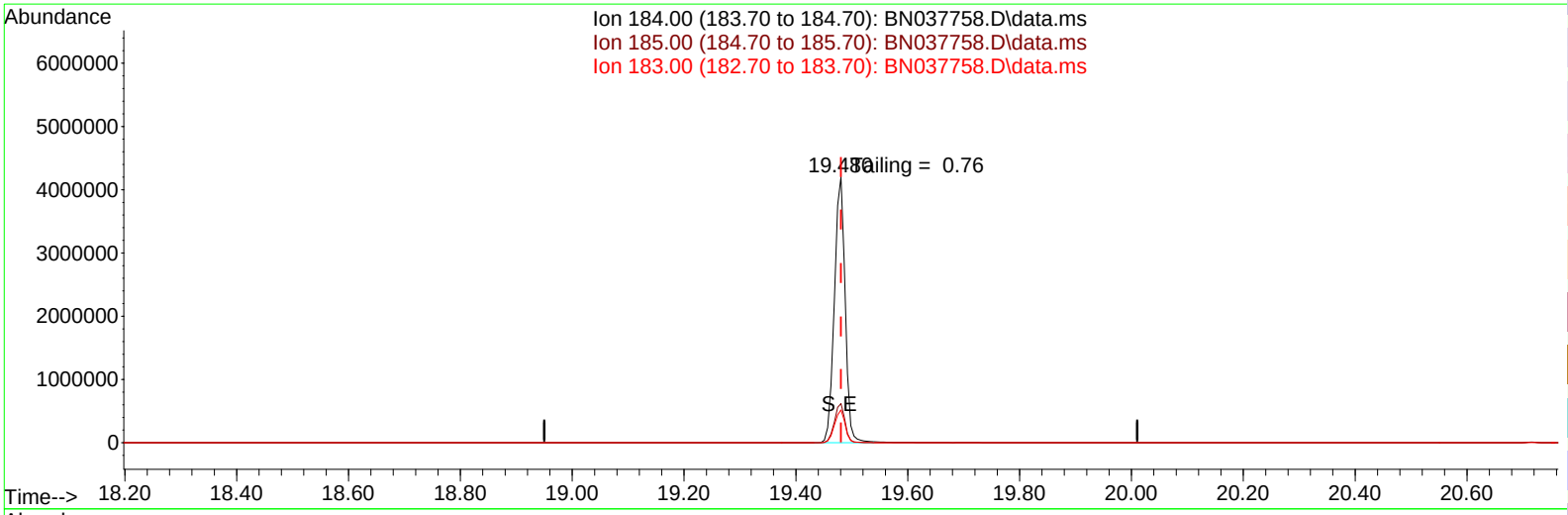
response 1070732

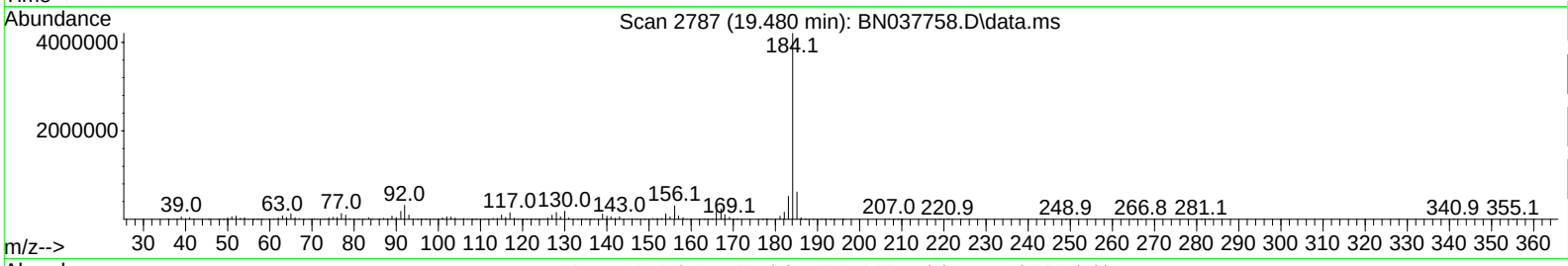
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.20	61.72
264.00	61.60	59.16
0.00	0.00	0.00

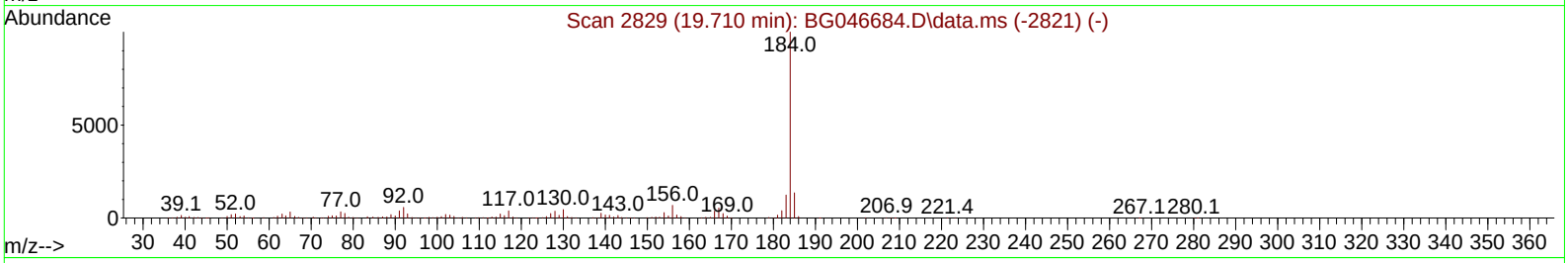
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091725\
Data File : BN037758.D
Acq On : 18 Sep 2025 02:06
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Sep 18 08:37:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 18 08:37:03 2025
Response via : Initial Calibration







TIC: BN037758.D\data.ms

(77) Benzidine

19.480min (0.000) 95951.94 ng

response 5587198

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.50	14.72
183.00	13.20	12.39
0.00	0.00	0.00

Instrument :
BNA_N
ClientSampleId :
DFTPP

DDT Breakdown

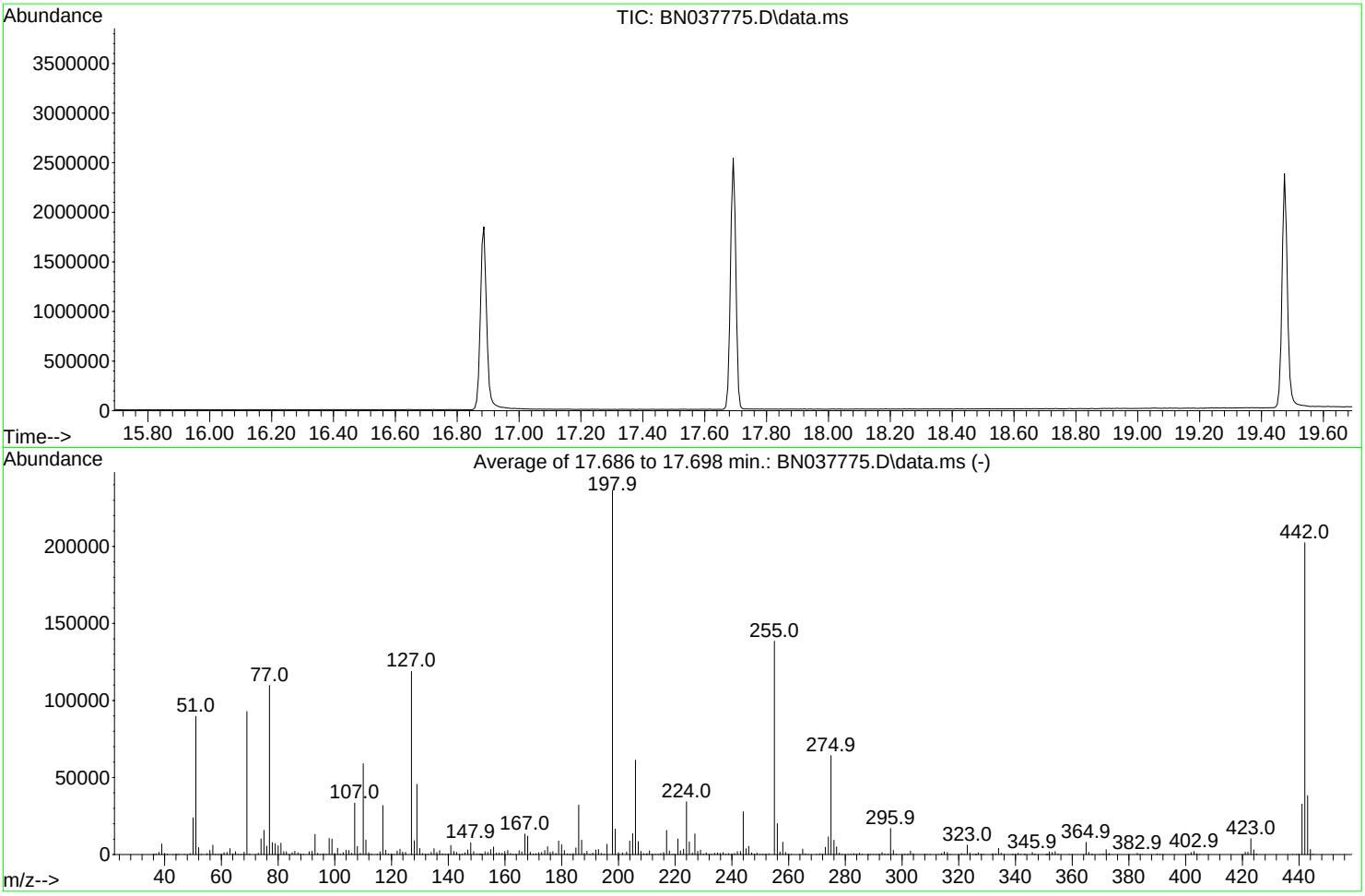
Date	Instrument Name	DFTPP Data File
9/17/2025	BNA_N	BN037758.D
Compound Name	**Response**	**Retention Time**
DDT	2444036	20.716
DDD	52273	20.274
DDE	1911	19.769
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
54184	2498220	2.17

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091825\
Data File : BN037775.D
Acq On : 18 Sep 2025 13:53
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-BN091125.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Sep 11 14:20:01 2025



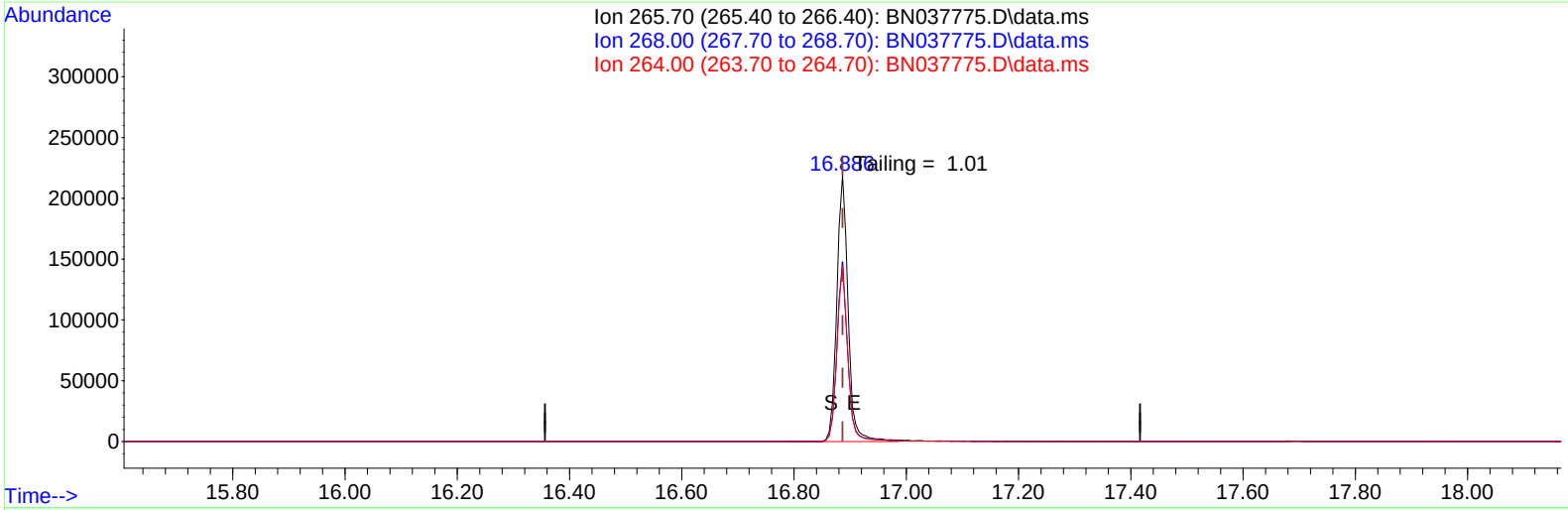
AutoFind: Scans 2482, 2483, 2484; Background Corrected with Scan 2475

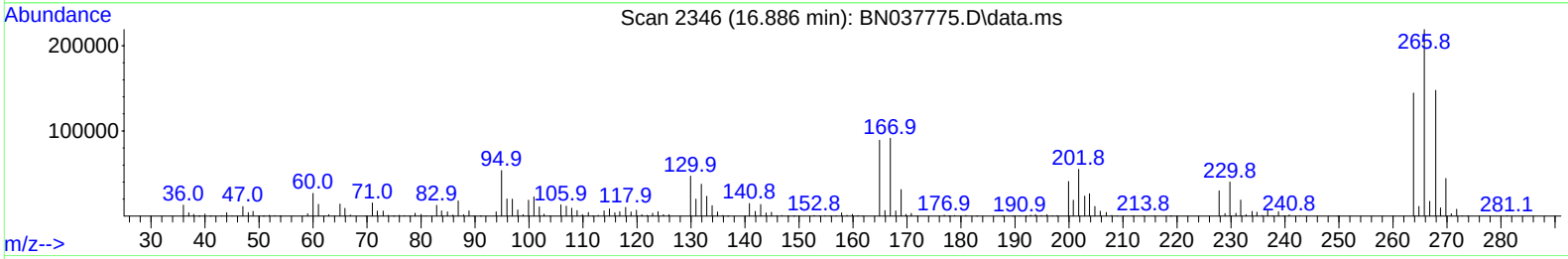
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.7	1536	PASS
69	69	100	100	100.0	92893	PASS
70	69	0.00	2	0.5	488	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	236267	PASS
199	198	5	9	7.0	16530	PASS
365	198	1	100	3.4	7963	PASS
441	443	0.01	150	85.6	32739	PASS
442	442	100	100	100.0	202432	PASS
443	442	15	24	18.9	38232	PASS

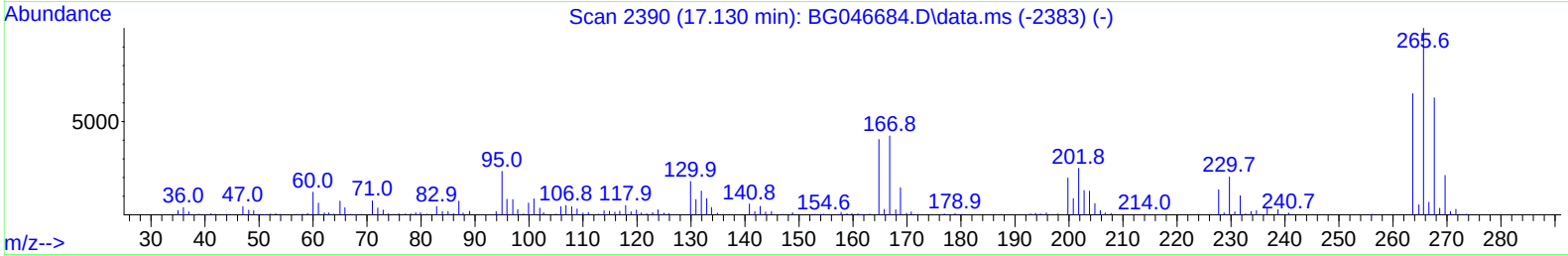
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091825\
Data File : BN037775.D
Acq On : 18 Sep 2025 13:53
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Sep 18 14:26:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 18 14:26:16 2025
Response via : Initial Calibration







TIC: BN037775.D\data.ms

(70) Pentachlorophenol (C)

16.886min (0.000) 277.80 ng

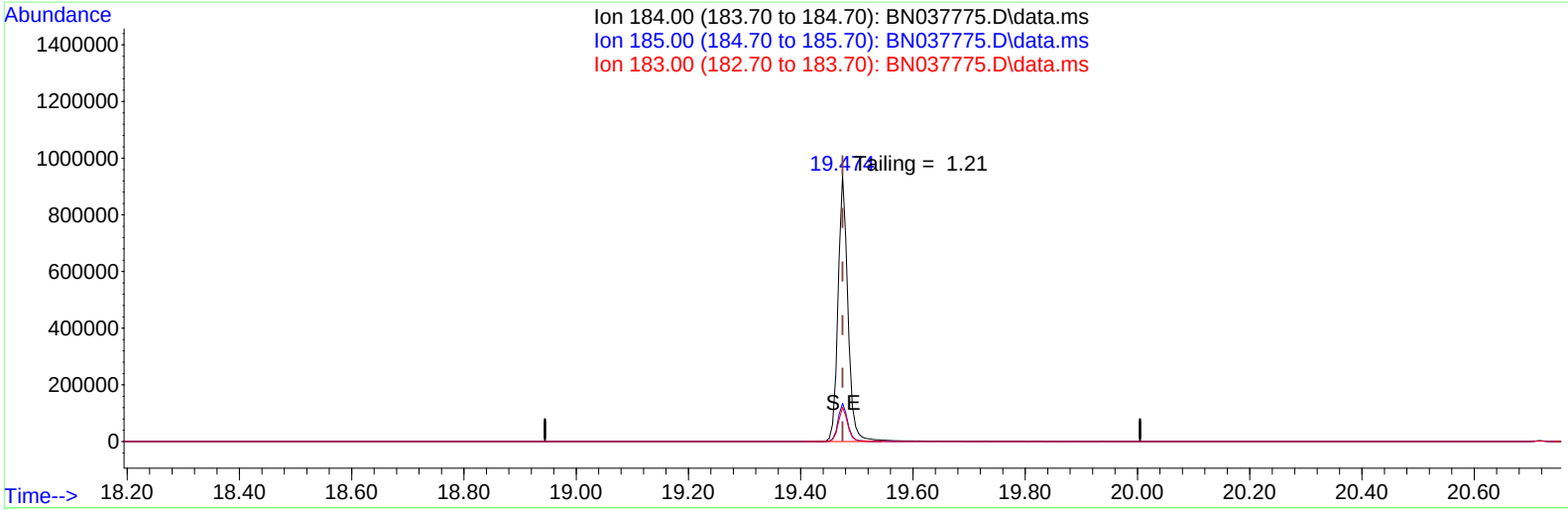
response 307595

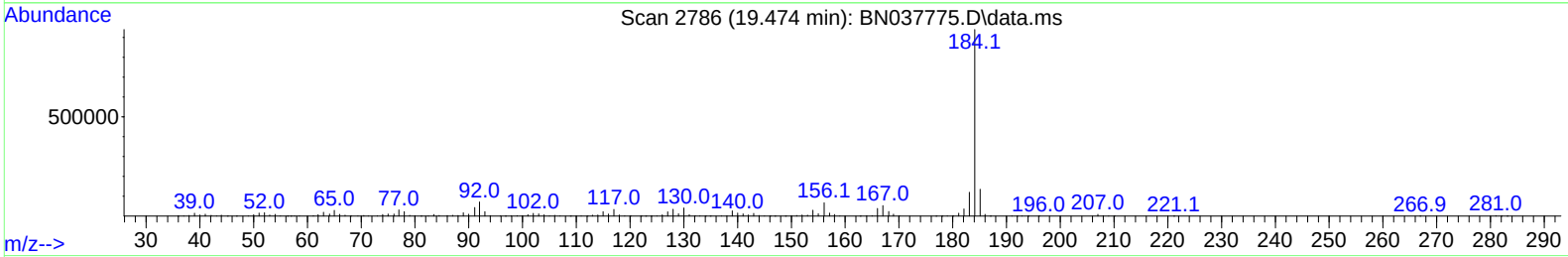
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.20	67.44
264.00	61.60	66.00
0.00	0.00	0.00

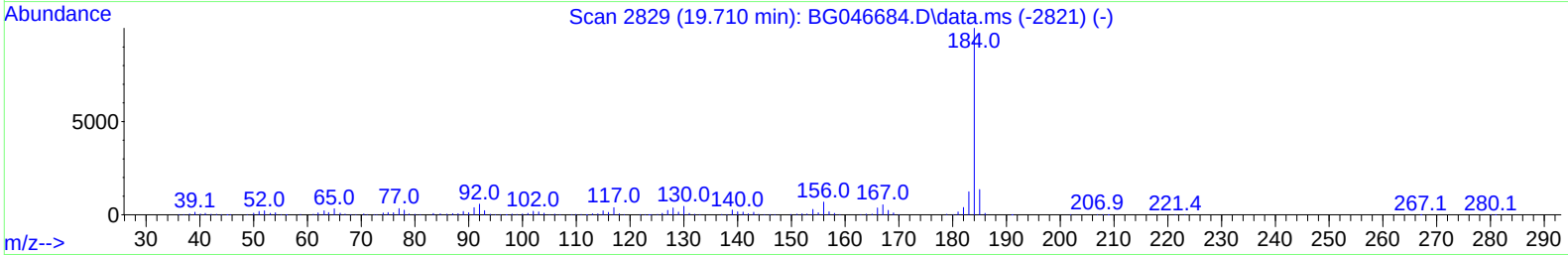
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091825\
Data File : BN037775.D
Acq On : 18 Sep 2025 13:53
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Sep 18 14:26:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 18 14:26:16 2025
Response via : Initial Calibration







TIC: BN037775.D\data.ms

(77) Benzidine

19.474min (0.000) 0.00 ng

response 1155100

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.50	14.36
183.00	13.20	12.81
0.00	0.00	0.00

Instrument :
BNA_N
ClientSampleId :
DFTPP

DDT Breakdown

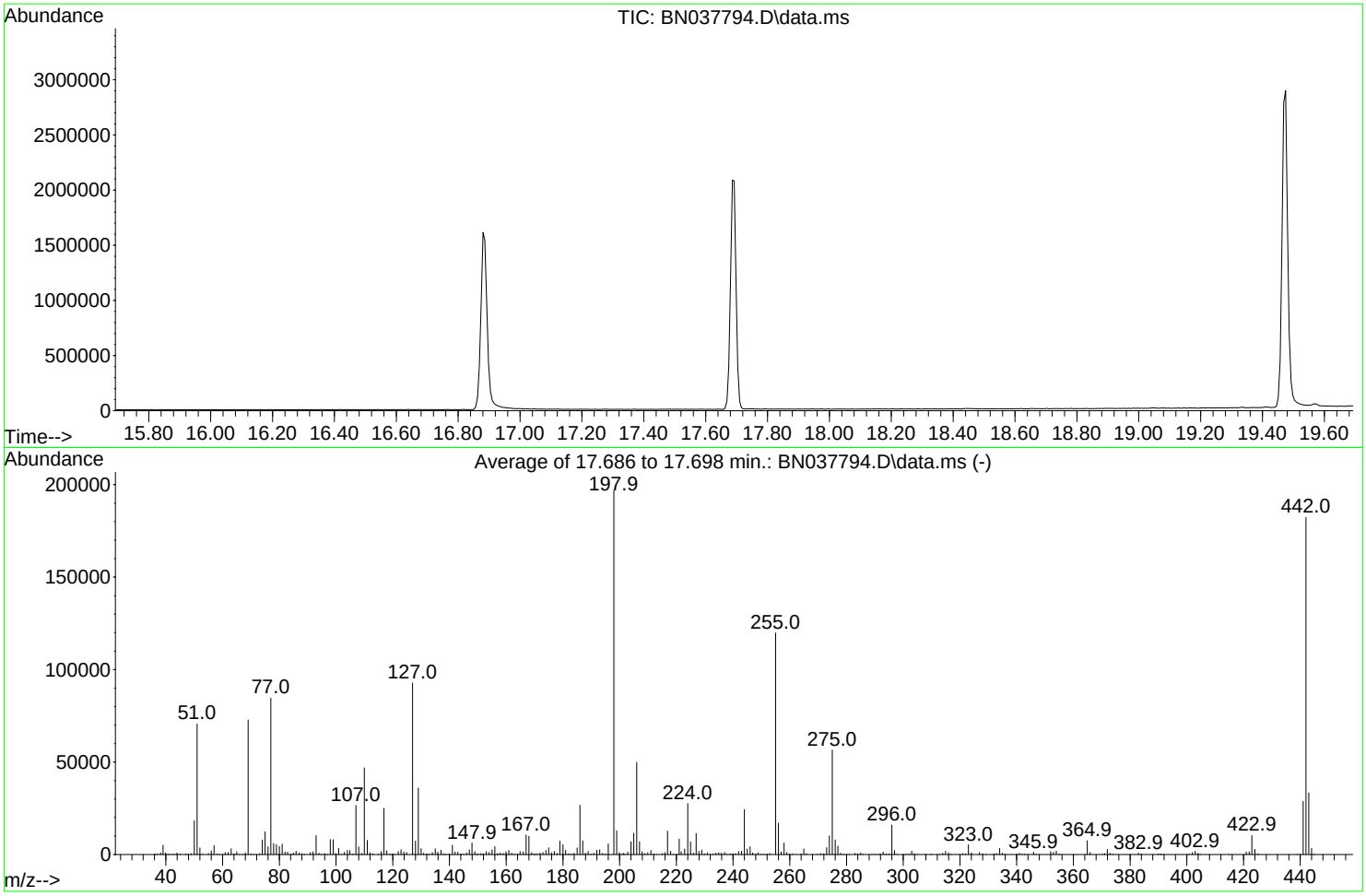
Date	Instrument Name	DFTPP Data File
9/18/2025	BNA_N	BN037775.D
Compound Name	**Response**	**Retention Time**
DDT	760598	20.715
DDD	22424	20.274
DDE	1646	19.774
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
24070	784668	3.07

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091825\
Data File : BN037794.D
Acq On : 19 Sep 2025 02:08
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-BN091125.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Sep 11 14:20:01 2025



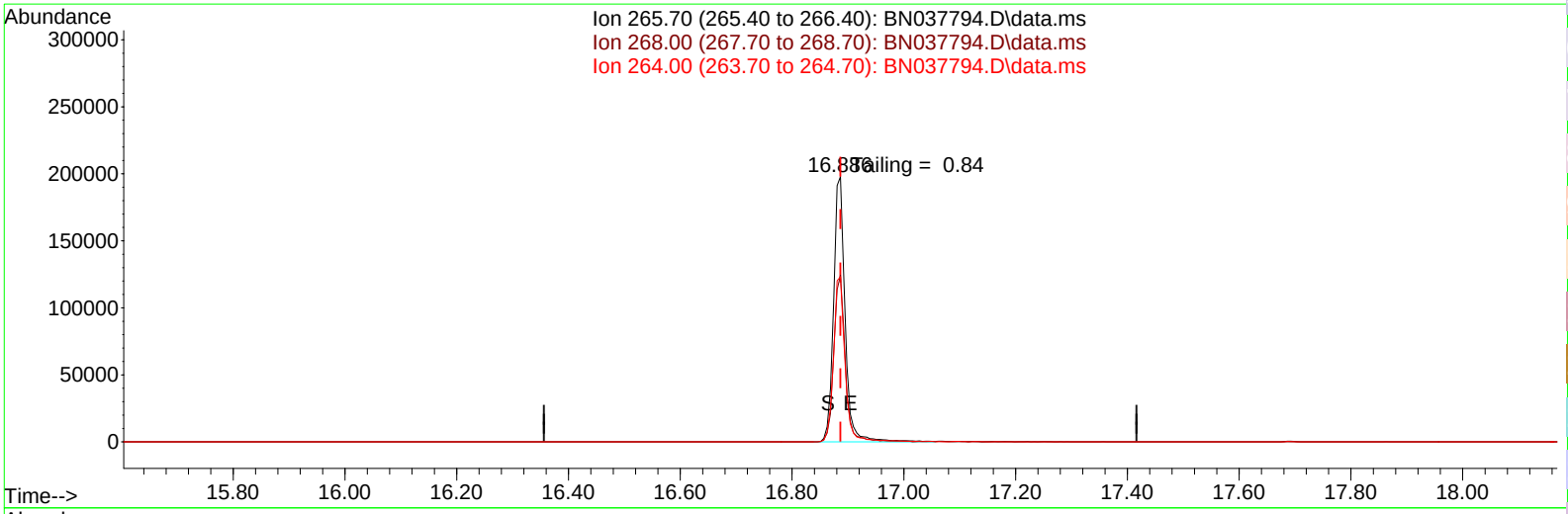
AutoFind: Scans 2482, 2483, 2484; Background Corrected with Scan 2475

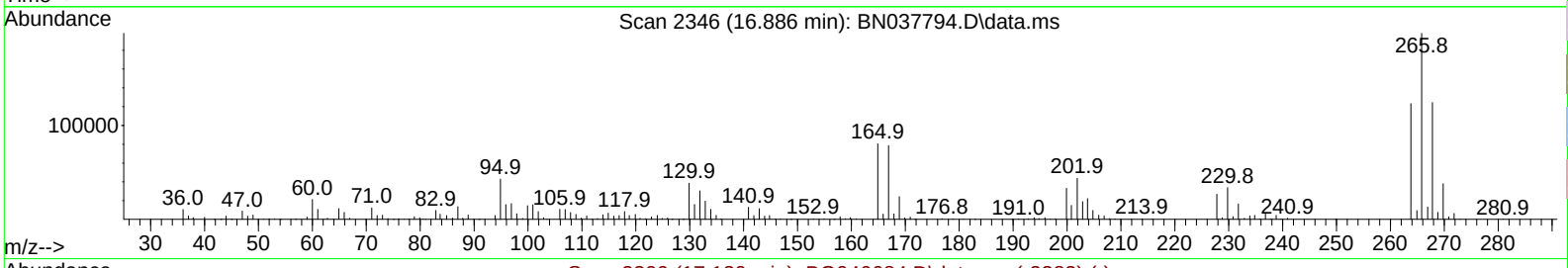
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.4	987	PASS
69	69	100	100	100.0	72725	PASS
70	69	0.00	2	0.6	414	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	196813	PASS
199	198	5	9	6.6	12909	PASS
365	198	1	100	3.8	7534	PASS
441	443	0.01	150	86.4	28805	PASS
442	442	100	100	100.0	182293	PASS
443	442	15	24	18.3	33347	PASS

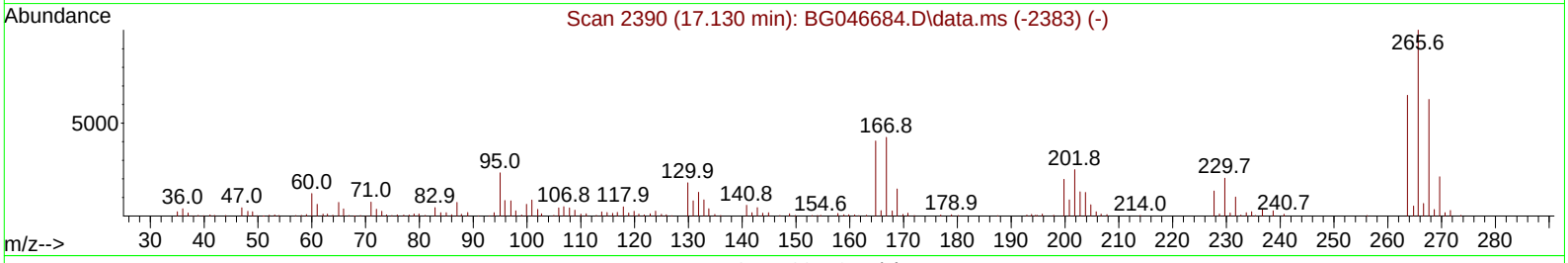
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091825\
Data File : BN037794.D
Acq On : 19 Sep 2025 02:08
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Sep 19 04:29:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 19 04:29:39 2025
Response via : Initial Calibration







TIC: BN037794.D\data.ms

(70) Pentachlorophenol (C)

16.886min (0.000) 32518.88 ng

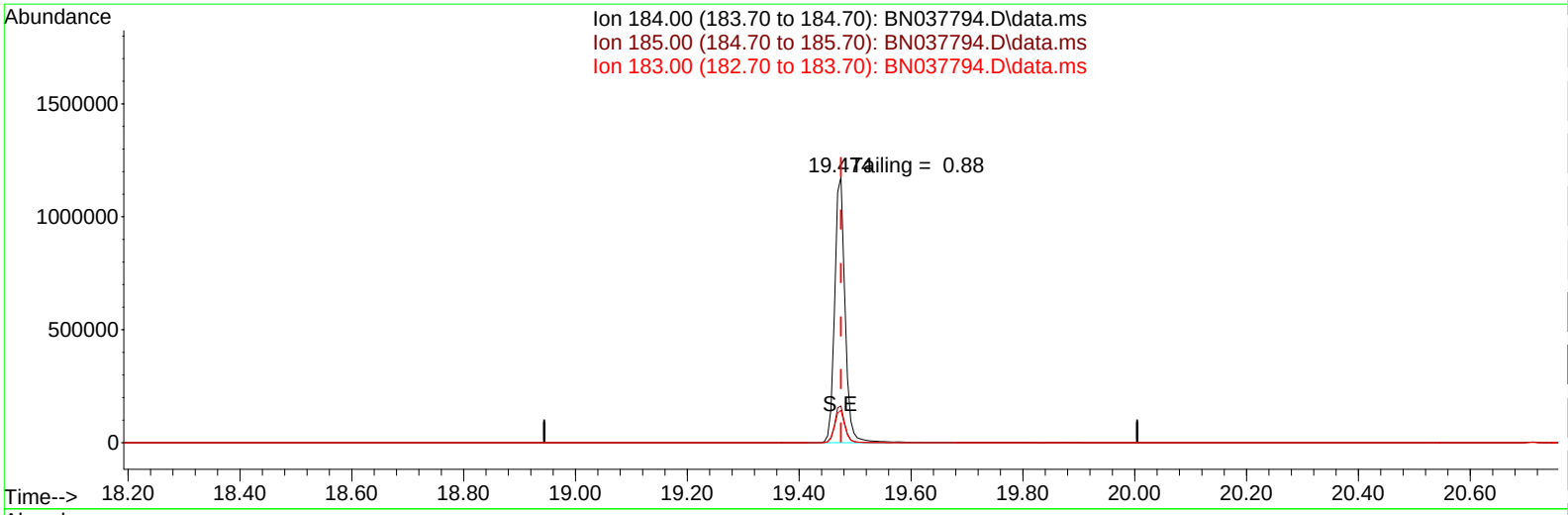
response 284548

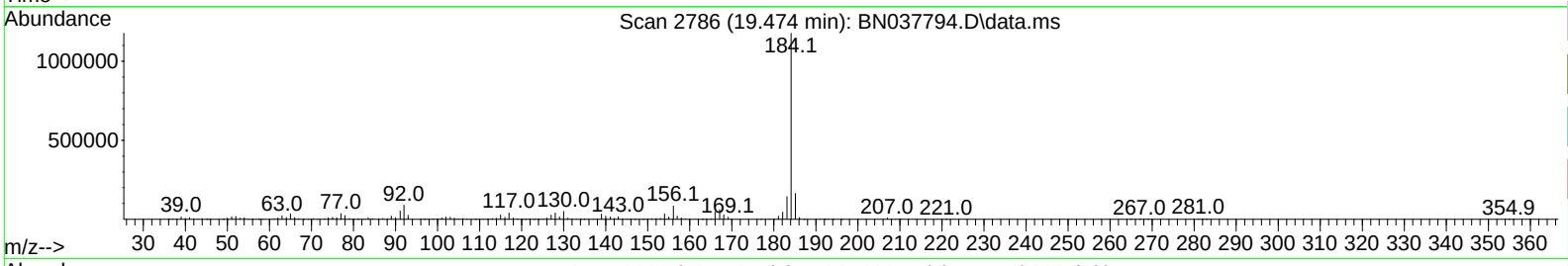
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.20	62.85
264.00	61.60	62.23
0.00	0.00	0.00

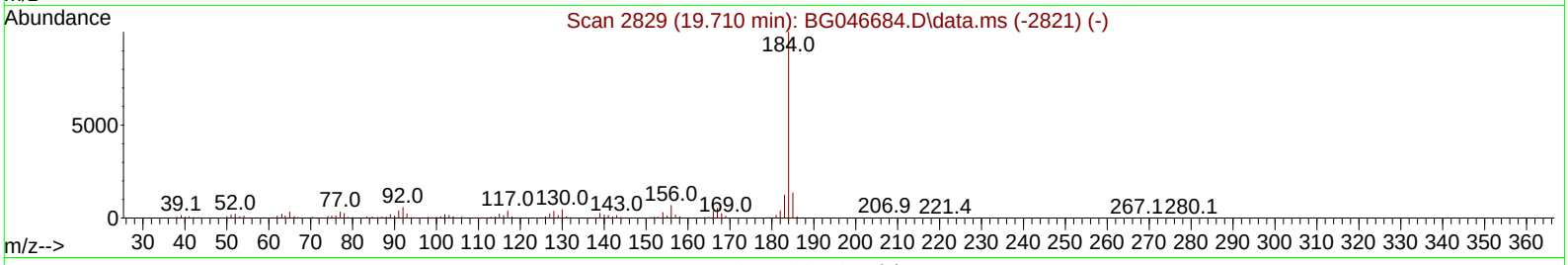
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091825\
Data File : BN037794.D
Acq On : 19 Sep 2025 02:08
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Sep 19 04:29:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 19 04:29:39 2025
Response via : Initial Calibration







TIC: BN037794.D\data.ms

(77) Benzidine

19.474min (0.000) 0.00 ng

response 1527830

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.50	13.88
183.00	13.20	12.20
0.00	0.00	0.00

Instrument :
BNA_N
ClientSampleId :
DFTPP

DDT Breakdown

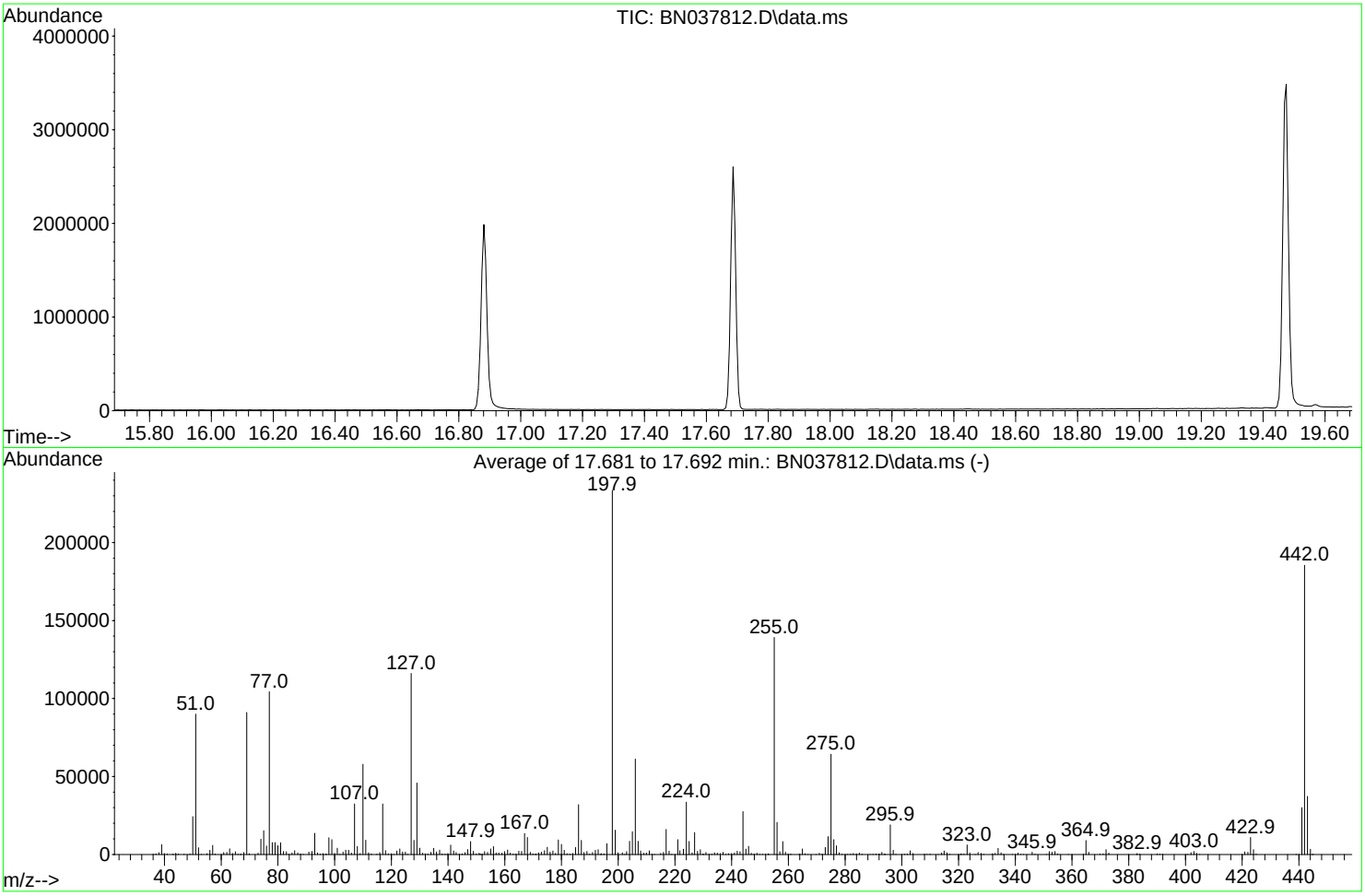
Date	Instrument Name	DFTPP Data File
9/18/2025	BNA_N	BN037794.D
Compound Name	**Response**	**Retention Time**
DDT	688292	20.71
DDD	26538	20.269
DDE	1670	19.769
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
28208	716500	3.94

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091925\
Data File : BN037812.D
Acq On : 19 Sep 2025 13:39
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-BN091125.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Sep 11 14:20:01 2025



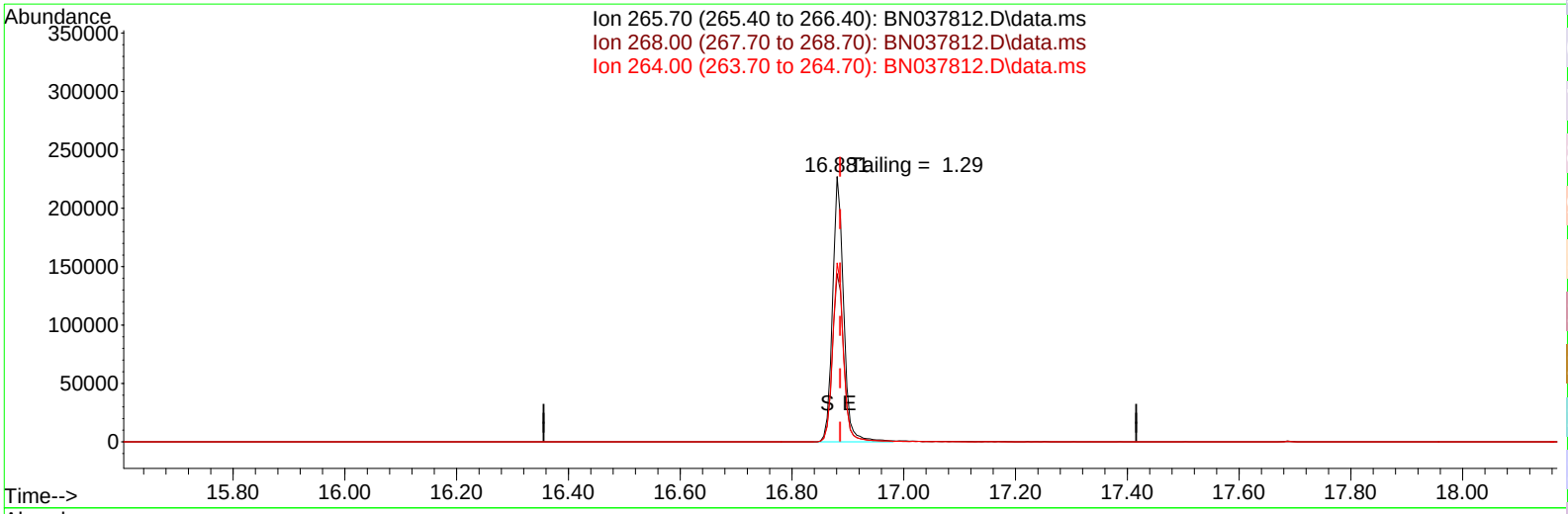
AutoFind: Scans 2481, 2482, 2483; Background Corrected with Scan 2474

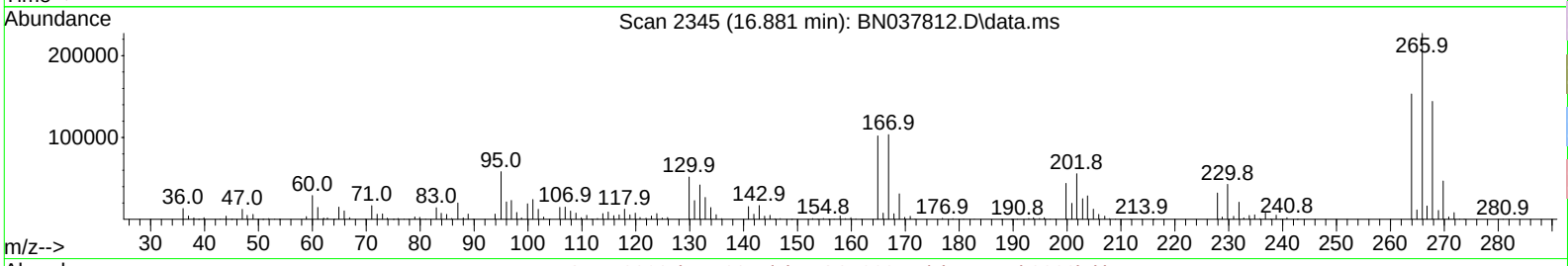
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.4	1252	PASS
69	69	100	100	100.0	91029	PASS
70	69	0.00	2	0.6	539	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	233408	PASS
199	198	5	9	6.7	15546	PASS
365	198	1	100	3.8	8907	PASS
441	443	0.01	150	80.8	30061	PASS
442	442	100	100	100.0	185456	PASS
443	442	15	24	20.1	37200	PASS

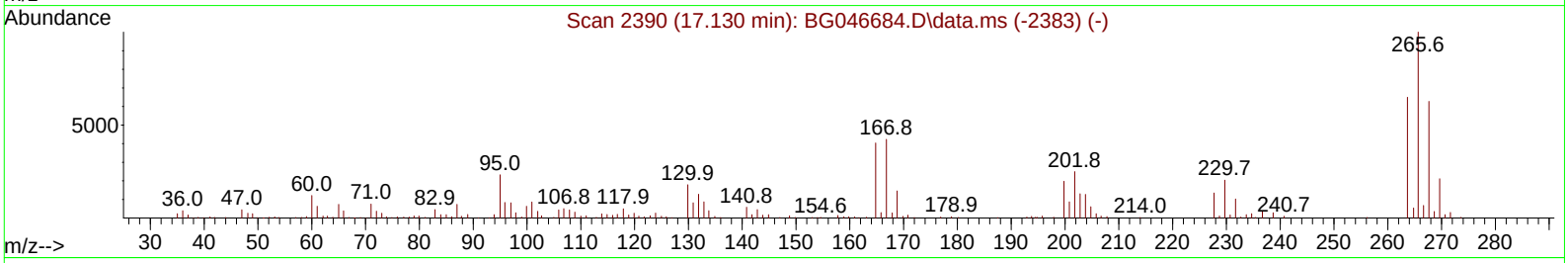
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091925\
Data File : BN037812.D
Acq On : 19 Sep 2025 13:39
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Sep 22 20:01:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 20 01:53:13 2025
Response via : Initial Calibration







TIC: BN037812.D\data.ms

(70) Pentachlorophenol (C)

16.881min (-0.005) 23824.83 ng

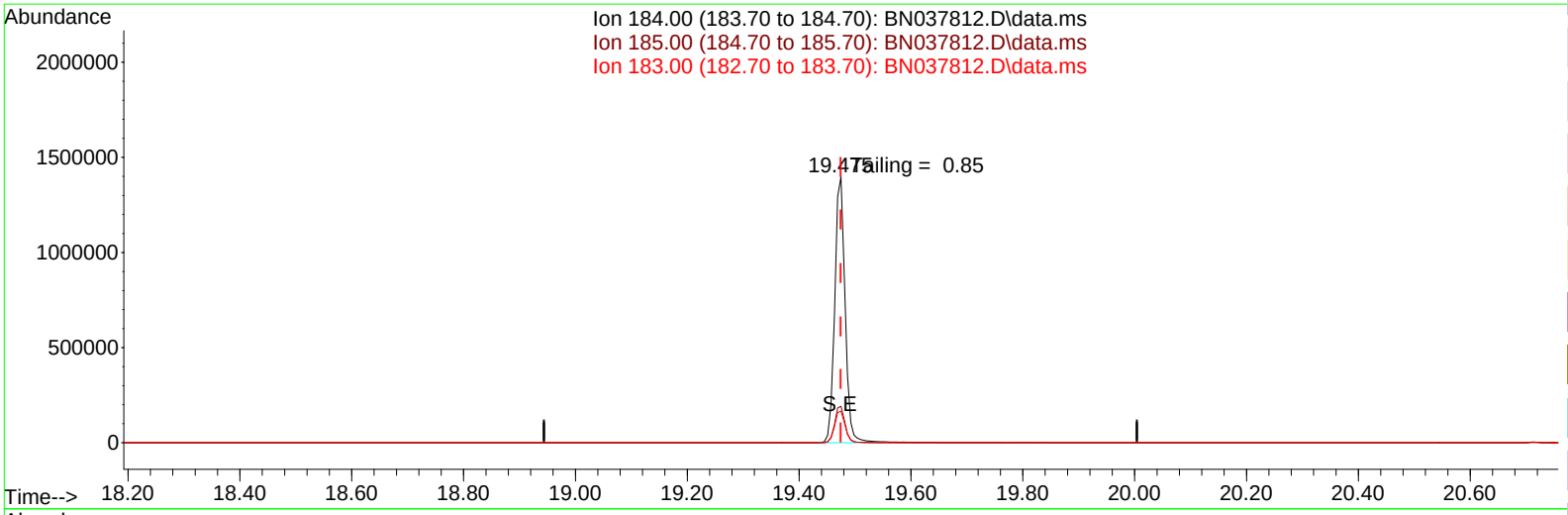
response 312055

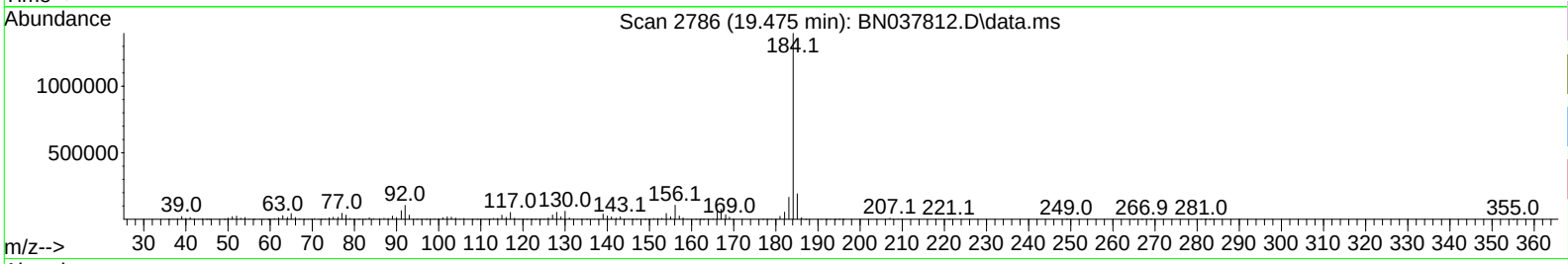
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.20	63.43
264.00	61.60	67.43
0.00	0.00	0.00

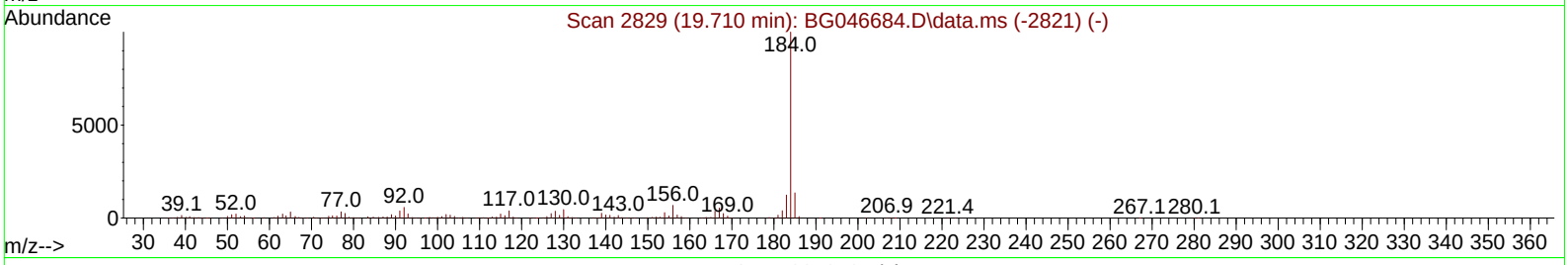
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091925\
Data File : BN037812.D
Acq On : 19 Sep 2025 13:39
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Sep 22 20:01:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 20 01:53:13 2025
Response via : Initial Calibration







TIC: BN037812.D\data.ms

(77) Benzidine

19.475min (+ 0.001) 0.00 ng

response 1812303

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.50	13.75
183.00	13.20	11.88
0.00	0.00	0.00

Instrument :
BNA_N
ClientSampleId :
DFTPP

DDT Breakdown

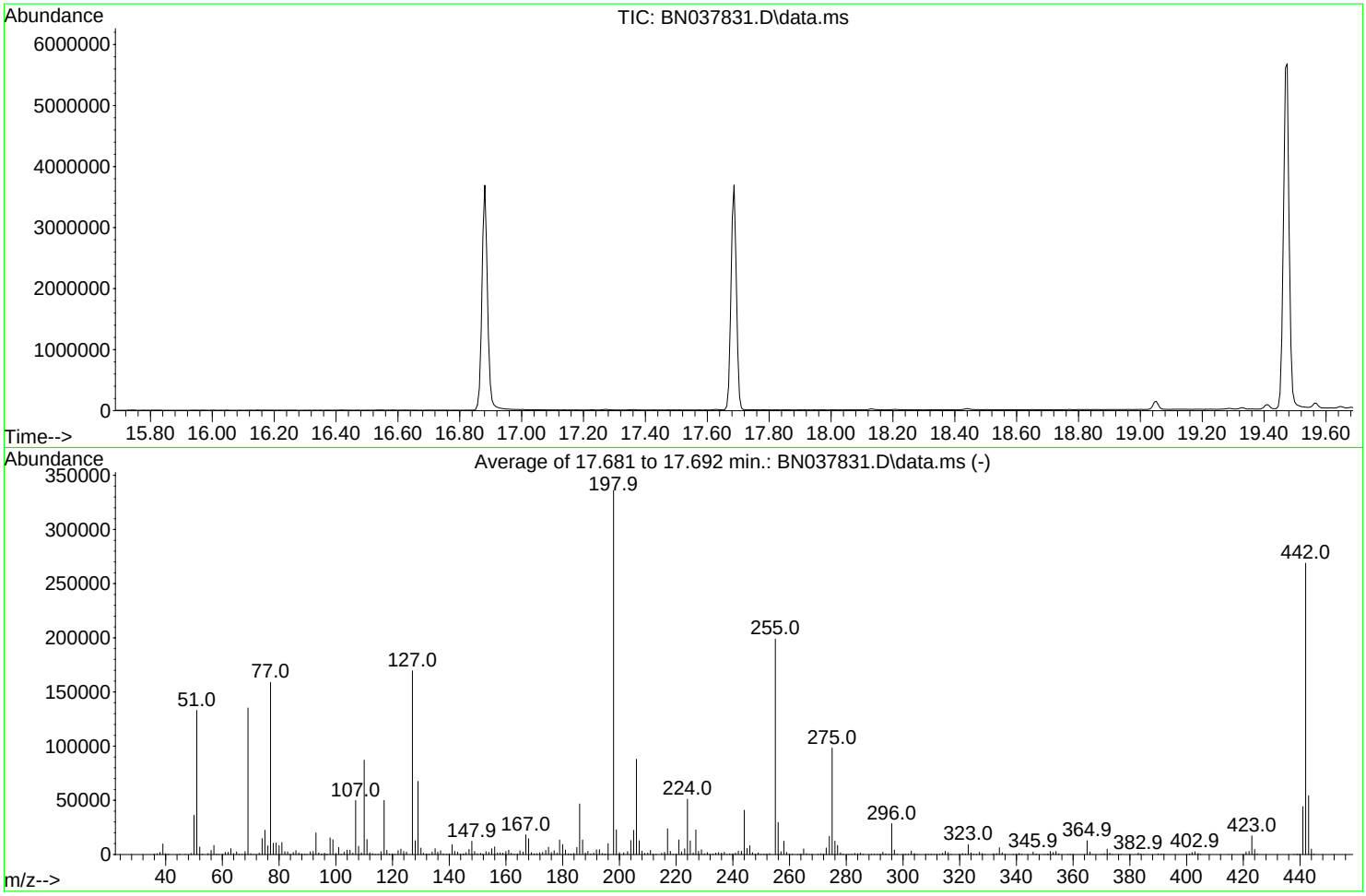
Date	Instrument Name	DFTPP Data File
9/19/2025	BNA_N	BN037812.D
Compound Name	**Response**	**Retention Time**
DDT	836771	20.716
DDD	28711	20.275
DDE	1832	19.769
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
30543	867314	3.52

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091925\
Data File : BN037831.D
Acq On : 20 Sep 2025 01:16
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-BN091125.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Sep 11 14:20:01 2025



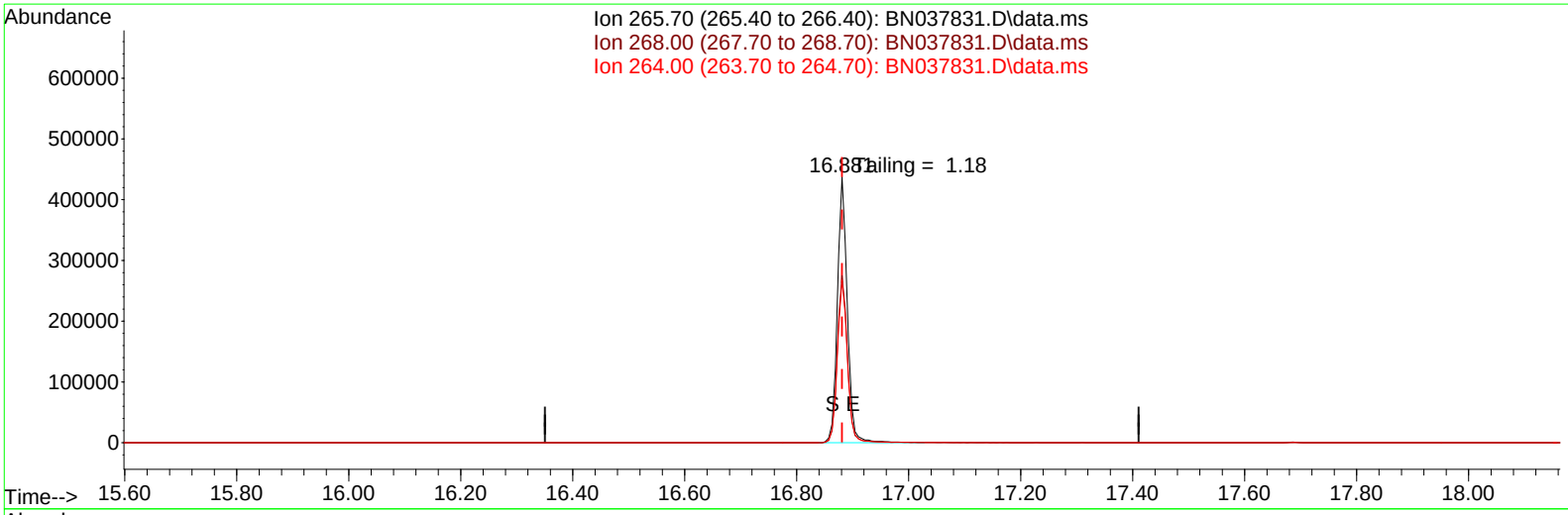
AutoFind: Scans 2481, 2482, 2483; Background Corrected with Scan 2474

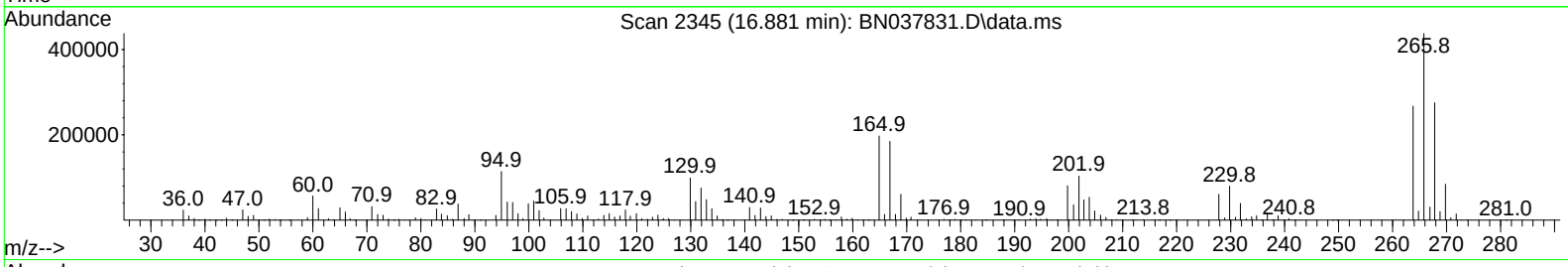
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.9	2623	PASS
69	69	100	100	100.0	135264	PASS
70	69	0.00	2	0.6	760	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	335979	PASS
199	198	5	9	6.8	22795	PASS
365	198	1	100	3.8	12691	PASS
441	443	0.01	150	81.3	44184	PASS
442	442	100	100	100.0	268907	PASS
443	442	15	24	20.2	54328	PASS

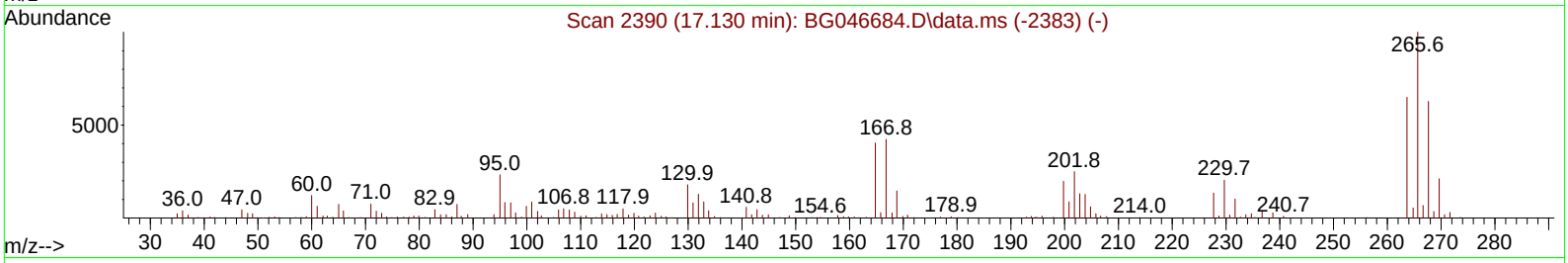
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091925\
Data File : BN037831.D
Acq On : 20 Sep 2025 01:16
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Sep 20 01:53:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 20 01:53:13 2025
Response via : Initial Calibration







TIC: BN037831.D\data.ms

(70) Pentachlorophenol (C)

16.881min (0.000) 34698.10 ng

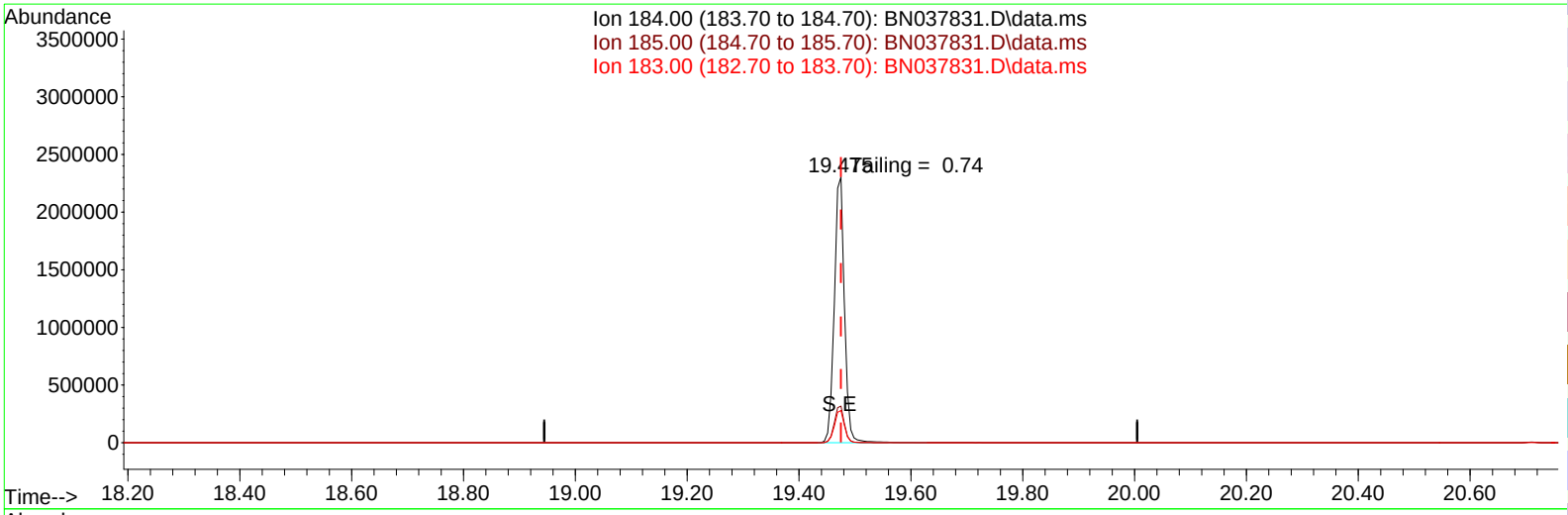
response 541064

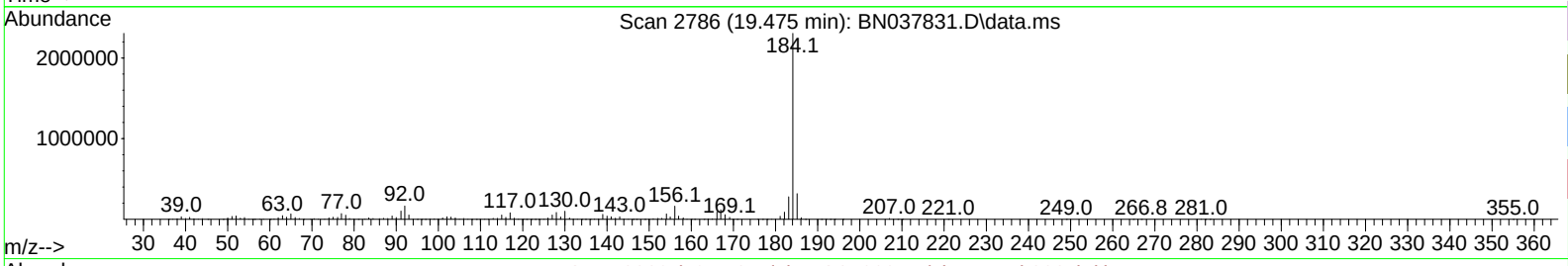
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.20	62.87
264.00	61.60	61.16
0.00	0.00	0.00

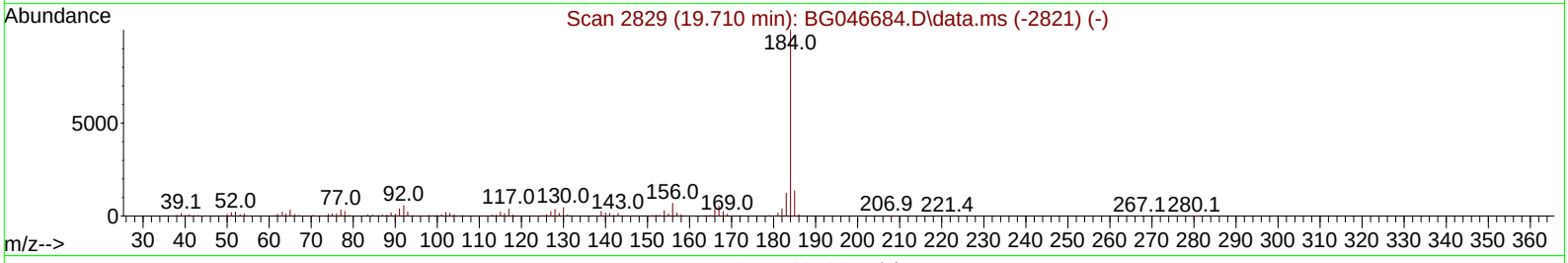
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091925\
Data File : BN037831.D
Acq On : 20 Sep 2025 01:16
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Sep 20 01:53:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 20 01:53:13 2025
Response via : Initial Calibration







TIC: BN037831.D\data.ms

(77) Benzidine

19.475min (0.000) 0.00 ng

response 2907322

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.50	13.77
183.00	13.20	12.11
0.00	0.00	0.00

Instrument :
BNA_N
ClientSampleId :
DFTPP

DDT Breakdown

Date	Instrument Name	DFTPP Data File
9/19/2025	BNA_N	BN037831.D
Compound Name	**Response**	**Retention Time**
DDT	1283981	20.71
DDD	30254	20.269
DDE	1457	19.769
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
31711	1315692	2.41

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:	PB169692BL	SDG No.:	Q3095
Lab Sample ID:	PB169692BL	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
BN037796.D	1	09/15/25 10:15	09/19/25 03:24	PB169692

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	0.31		30 - 150		79%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.30		30 - 150		75%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.39		55 - 111		97%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.37		53 - 106		92%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.34		58 - 132		84%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7700	7.833				
1146-65-2	Naphthalene-d8	18700	10.637				
15067-26-2	Acenaphthene-d10	7810	14.484				
1517-22-2	Phenanthrene-d10	12500	17.236				
1719-03-5	Chrysene-d12	10000	21.411				
1520-96-3	Perylene-d12	10300	23.739				

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\BN091825\
Data File : BN037796.D
Acq On : 19 Sep 2025 03:24
Operator : RC/JU
Sample : PB169692BL
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB169692BL

Quant Time: Sep 19 04:36:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

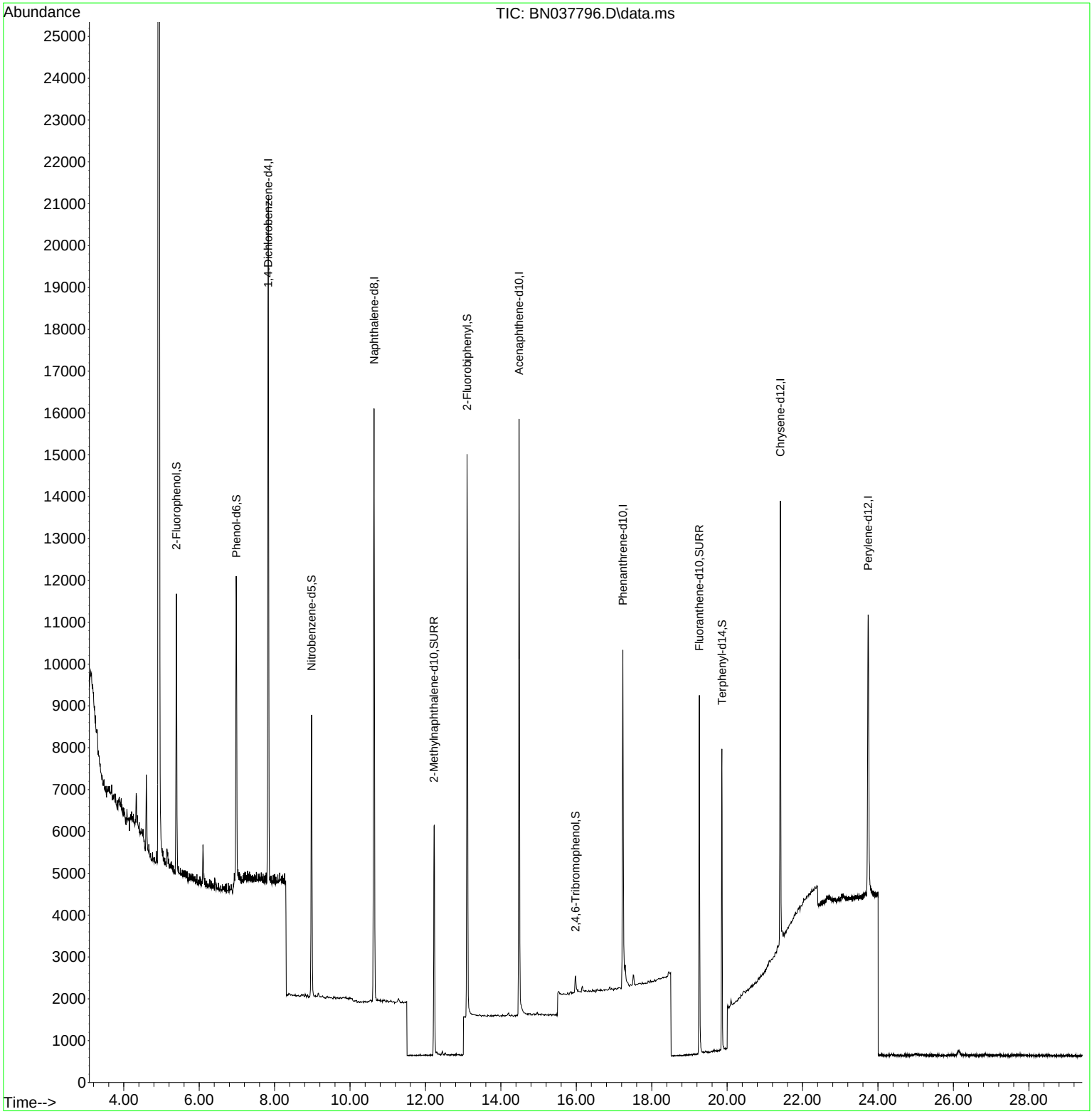
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.833	152	7701	0.400	ng	0.00
7) Naphthalene-d8	10.637	136	18665	0.400	ng	-0.01
13) Acenaphthene-d10	14.484	164	7806	0.400	ng	-0.01
19) Phenanthrene-d10	17.236	188	12511	0.400	ng	# 0.00
29) Chrysene-d12	21.411	240	10022	0.400	ng	0.00
35) Perylene-d12	23.739	264	10278	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.399	112	5446	0.308	ng	0.00
5) Phenol-d6	6.988	99	6827	0.298	ng	0.00
8) Nitrobenzene-d5	8.982	82	5277	0.387	ng	-0.01
11) 2-Methylnaphthalene-d10	12.228	152	7773	0.314	ng	-0.02
14) 2,4,6-Tribromophenol	15.982	330	380	0.187	ng	0.00
15) 2-Fluorobiphenyl	13.105	172	11980	0.367	ng	-0.01
27) Fluoranthene-d10	19.262	212	9482	0.302	ng	0.00
31) Terphenyl-d14	19.861	244	6849	0.337	ng	0.00
Target Compounds						Qvalue

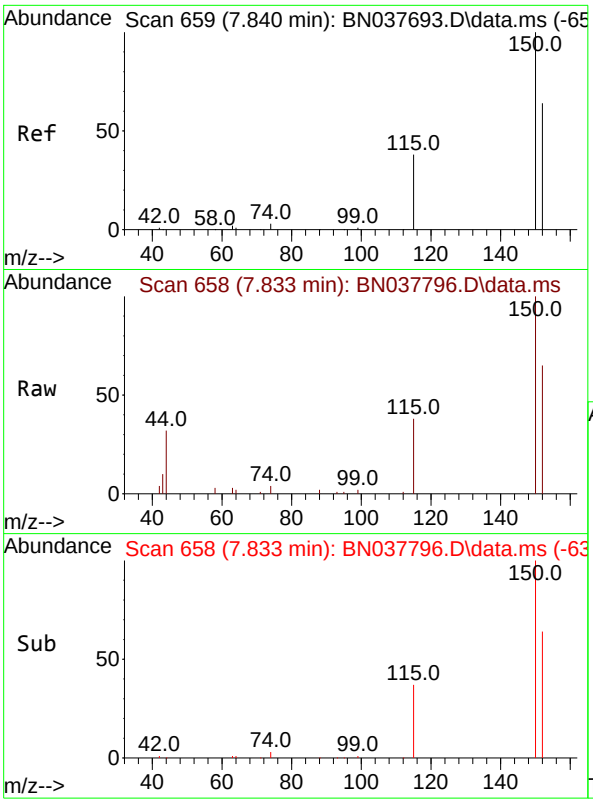
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091825\
Data File : BN037796.D
Acq On : 19 Sep 2025 03:24
Operator : RC/JU
Sample : PB169692BL
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB169692BL

Quant Time: Sep 19 04:36:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration



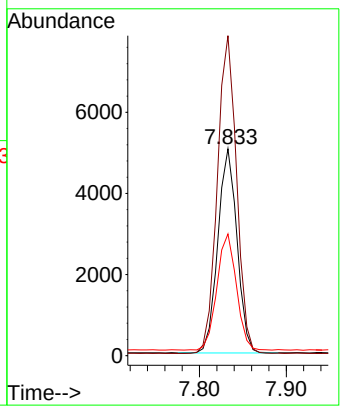


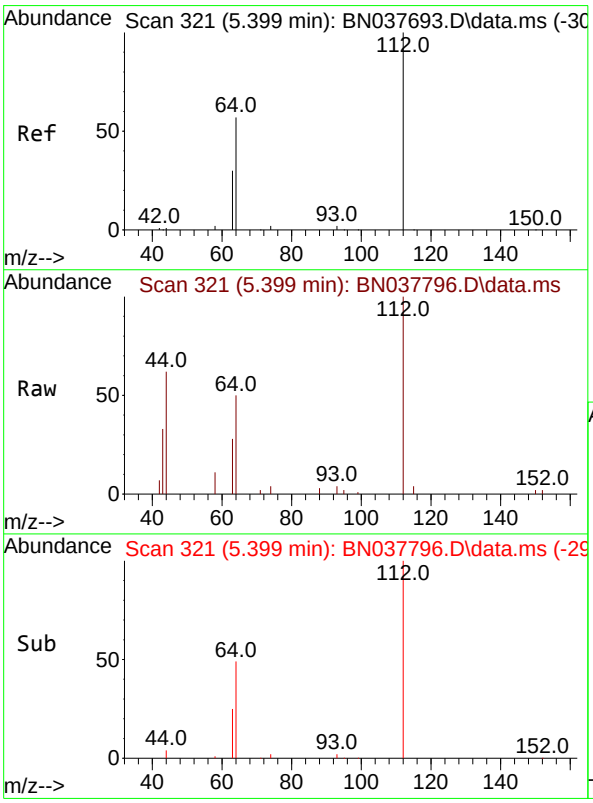
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.833 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN037796.D
Acq: 19 Sep 2025 03:24

Instrument :
BNA_N
ClientSampleId :
PB169692BL

Tgt Ion:152 Resp: 7701

Ion	Ratio	Lower	Upper
152	100		
150	154.6	124.5	186.7
115	58.8	49.2	73.8

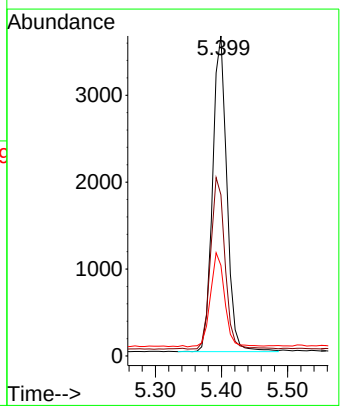


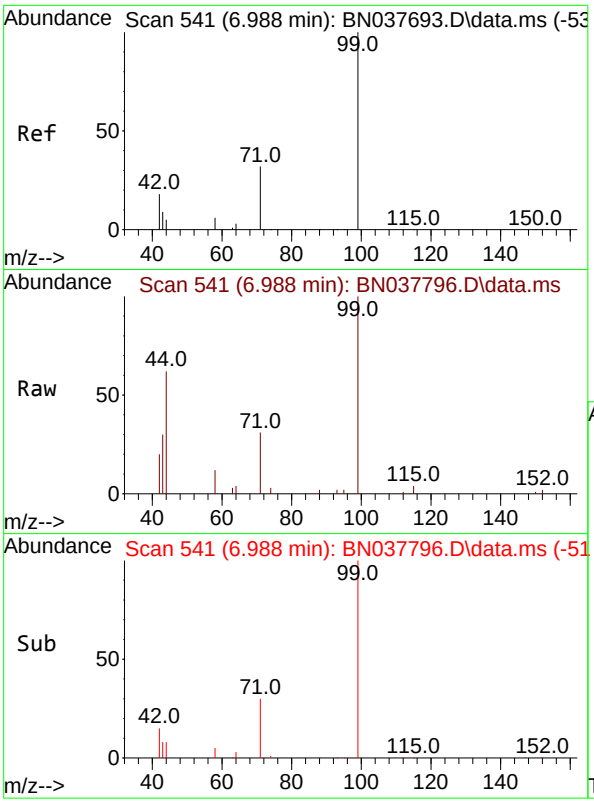


#4
2-Fluorophenol
Concen: 0.308 ng
RT: 5.399 min Scan# 321
Delta R.T. 0.000 min
Lab File: BN037796.D
Acq: 19 Sep 2025 03:24

Tgt Ion:112 Resp: 5446

Ion	Ratio	Lower	Upper
112	100		
64	54.6	44.9	67.3
63	29.7	24.7	37.1



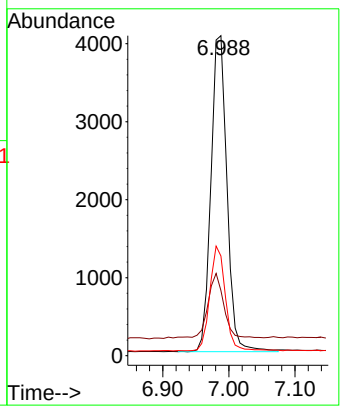


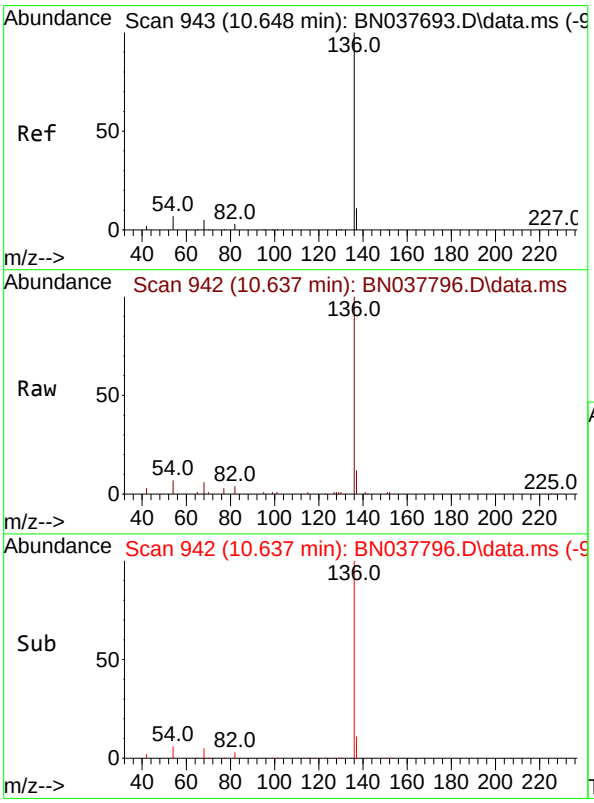
#5
Phenol-d6
Concen: 0.298 ng
RT: 6.988 min Scan# 54
Delta R.T. 0.000 min
Lab File: BN037796.D
Acq: 19 Sep 2025 03:24

Instrument :
BNA_N
ClientSampleId :
PB169692BL

Tgt Ion: 99 Resp: 6827

Ion	Ratio	Lower	Upper
99	100		
42	21.6	16.6	24.8
71	32.5	26.7	40.1

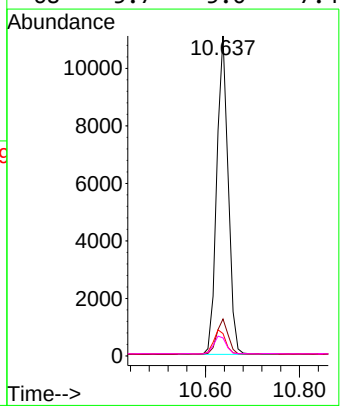


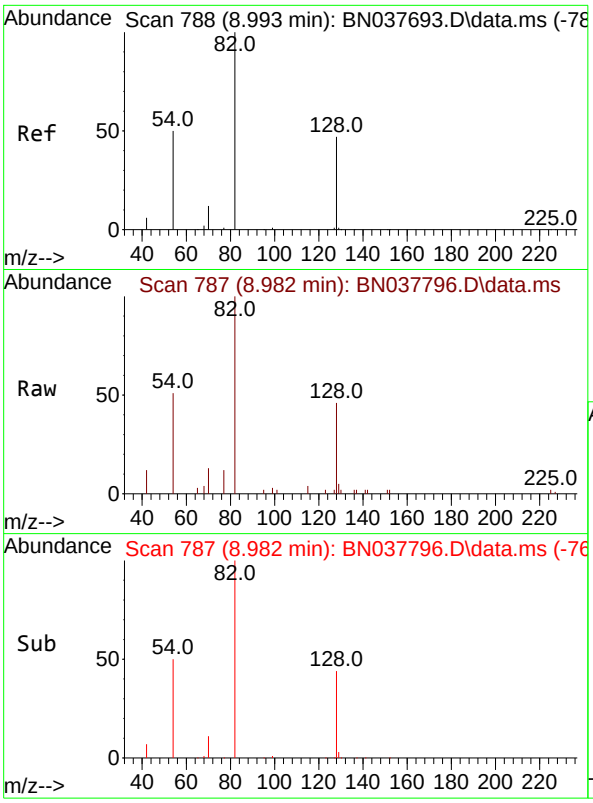


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.637 min Scan# 942
Delta R.T. -0.011 min
Lab File: BN037796.D
Acq: 19 Sep 2025 03:24

Tgt Ion:136 Resp: 18665

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.1	13.7
54	7.0	6.3	9.5
68	5.7	5.0	7.4



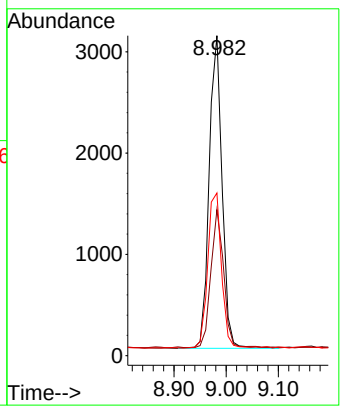


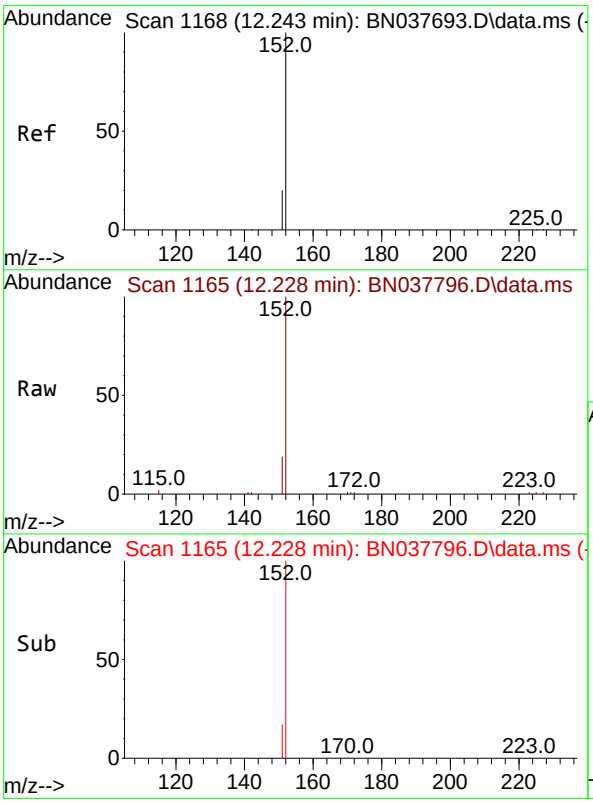
#8
Nitrobenzene-d5
Concen: 0.387 ng
RT: 8.982 min Scan# 7
Delta R.T. -0.011 min
Lab File: BN037796.D
Acq: 19 Sep 2025 03:24

Instrument :
BNA_N
ClientSampleId :
PB169692BL

Tgt Ion: 82 Resp: 5277

Ion	Ratio	Lower	Upper
82	100		
128	45.6	38.3	57.5
54	50.8	41.4	62.2

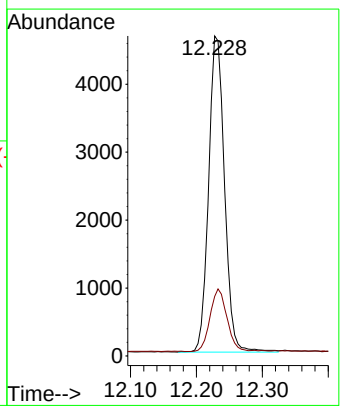


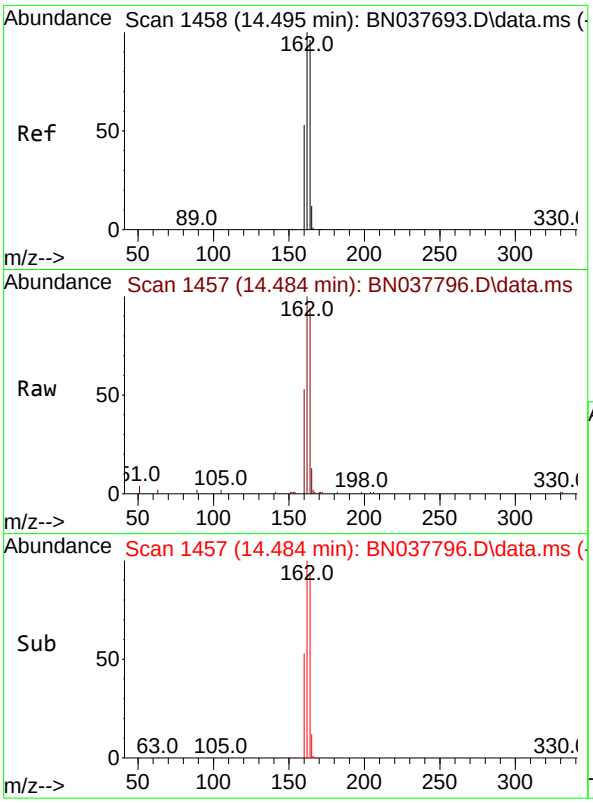


#11
2-Methylnaphthalene-d10
Concen: 0.314 ng
RT: 12.228 min Scan# 1165
Delta R.T. -0.015 min
Lab File: BN037796.D
Acq: 19 Sep 2025 03:24

Tgt Ion:152 Resp: 7773

Ion	Ratio	Lower	Upper
152	100		
151	21.0	17.0	25.6



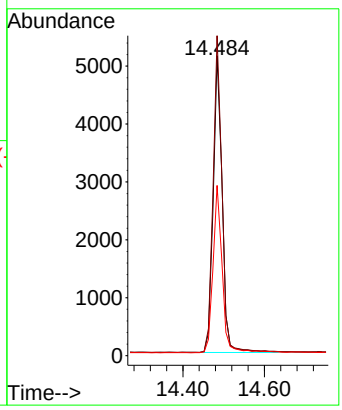


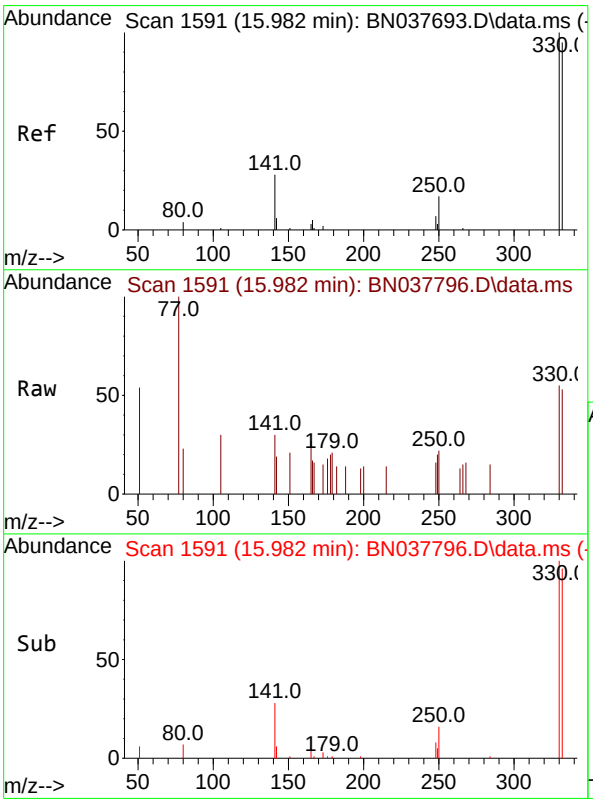
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.484 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN037796.D
Acq: 19 Sep 2025 03:24

Instrument :
BNA_N
ClientSampleId :
PB169692BL

Tgt Ion:164 Resp: 7806

Ion	Ratio	Lower	Upper
164	100		
162	106.6	83.1	124.7
160	56.7	44.3	66.5

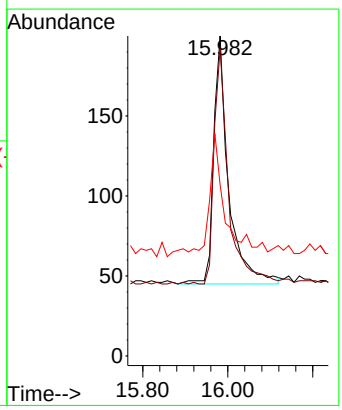


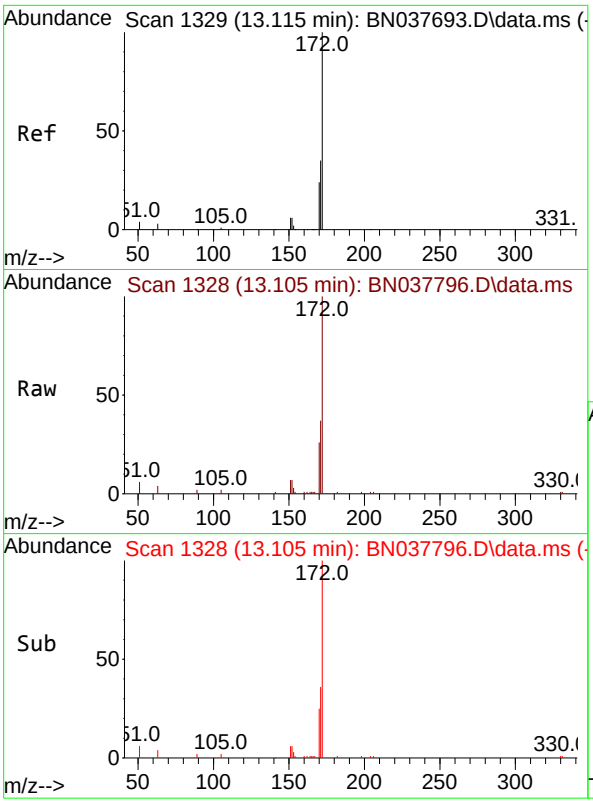


#14
2,4,6-Tribromophenol
Concen: 0.187 ng
RT: 15.982 min Scan# 1591
Delta R.T. -0.000 min
Lab File: BN037796.D
Acq: 19 Sep 2025 03:24

Tgt Ion:330 Resp: 380

Ion	Ratio	Lower	Upper
330	100		
332	91.6	75.3	112.9
141	47.4	35.0	52.4



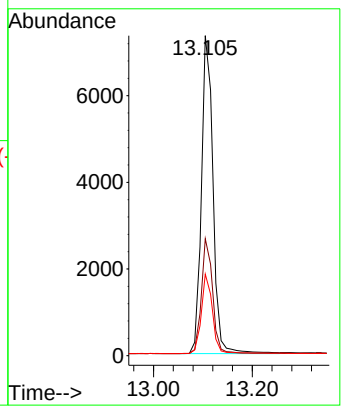


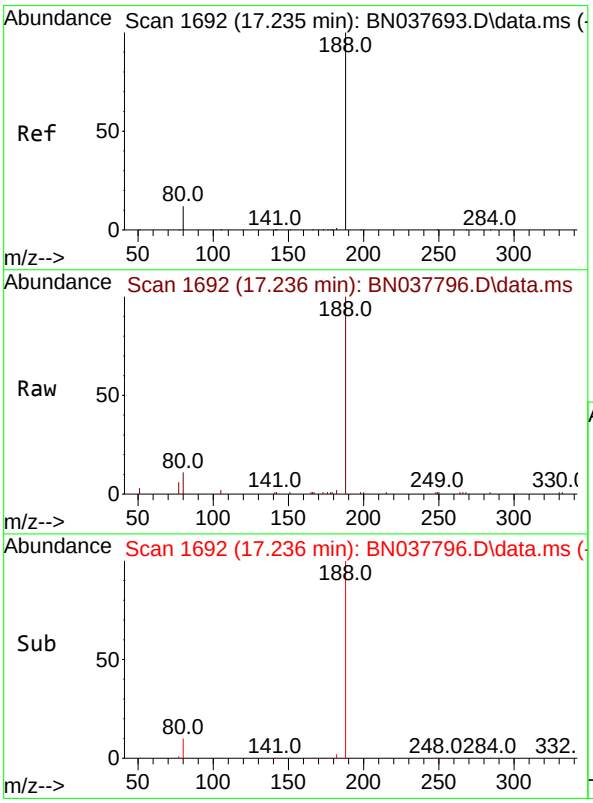
#15
2-Fluorobiphenyl
Concen: 0.367 ng
RT: 13.105 min Scan# 1
Delta R.T. -0.011 min
Lab File: BN037796.D
Acq: 19 Sep 2025 03:24

Instrument :
BNA_N
ClientSampleId :
PB169692BL

Tgt Ion:172 Resp: 11980

Ion	Ratio	Lower	Upper
172	100		
171	36.5	28.6	43.0
170	25.5	19.8	29.8

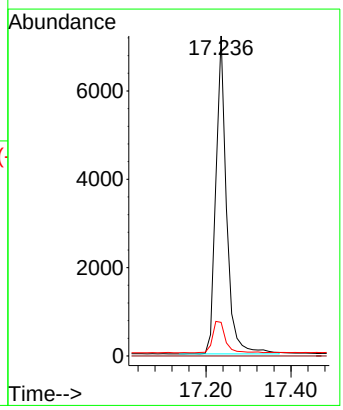


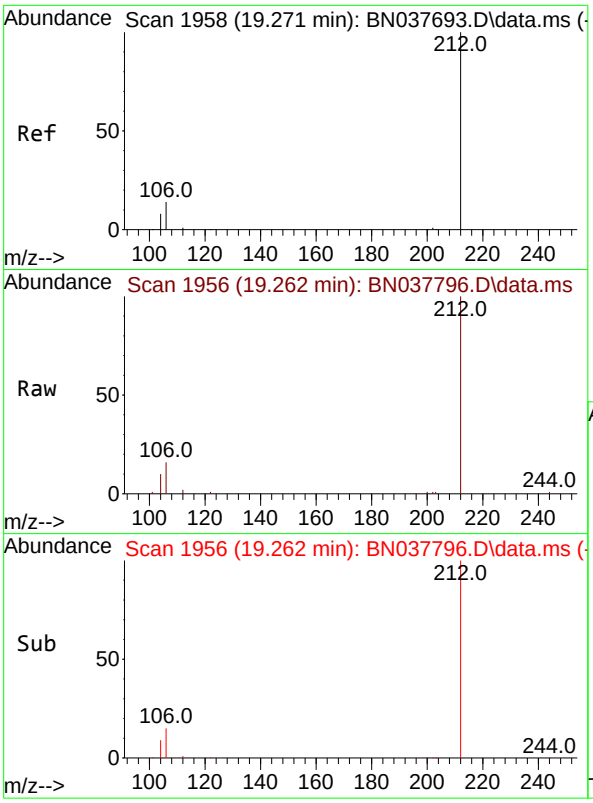


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.236 min Scan# 1692
Delta R.T. 0.000 min
Lab File: BN037796.D
Acq: 19 Sep 2025 03:24

Tgt Ion:188 Resp: 12511

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.5	10.6	15.8#



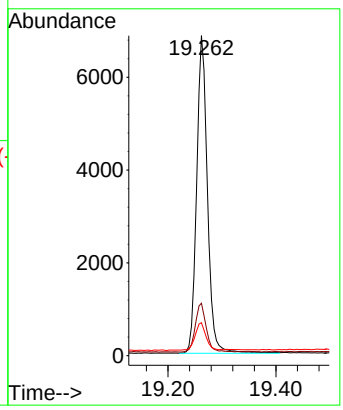


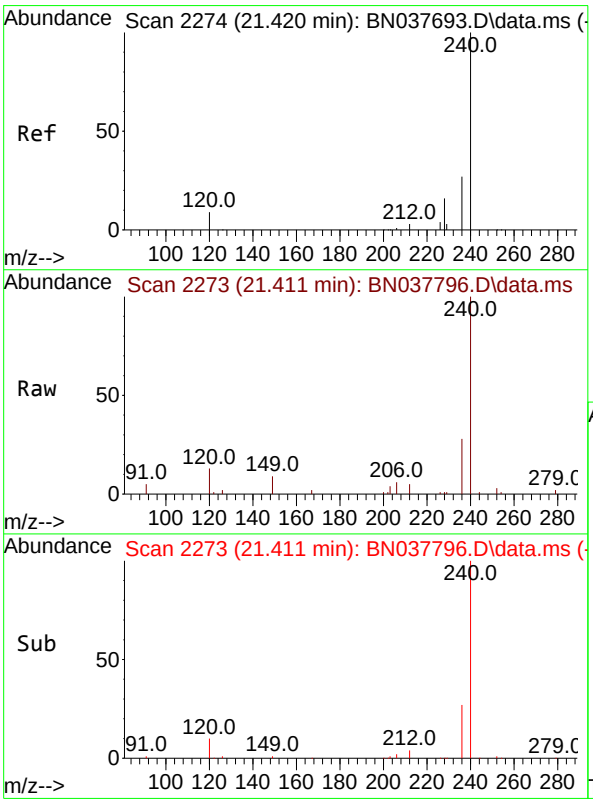
#27
Fluoranthene-d10
Concen: 0.302 ng
RT: 19.262 min Scan# 1
Delta R.T. -0.009 min
Lab File: BN037796.D
Acq: 19 Sep 2025 03:24

Instrument :
BNA_N
ClientSampleId :
PB169692BL

Tgt Ion:212 Resp: 9482

Ion	Ratio	Lower	Upper
212	100		
106	15.5	12.2	18.2
104	8.5	6.9	10.3

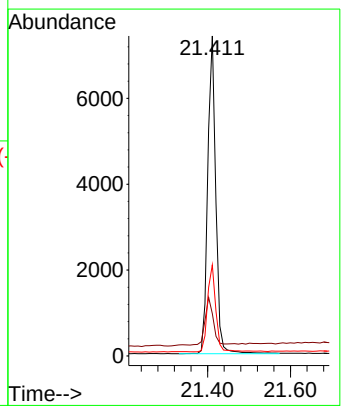


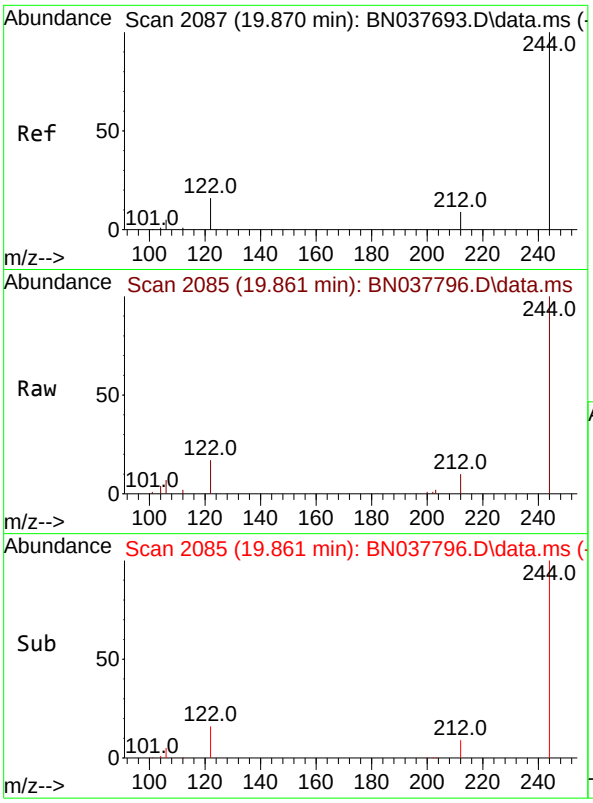


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.411 min Scan# 2273
Delta R.T. -0.009 min
Lab File: BN037796.D
Acq: 19 Sep 2025 03:24

Tgt Ion:240 Resp: 10022

Ion	Ratio	Lower	Upper
240	100		
120	13.3	9.2	13.8
236	28.4	22.6	33.8



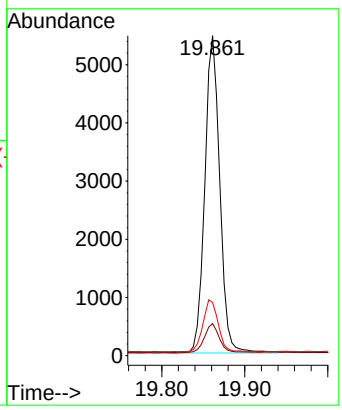


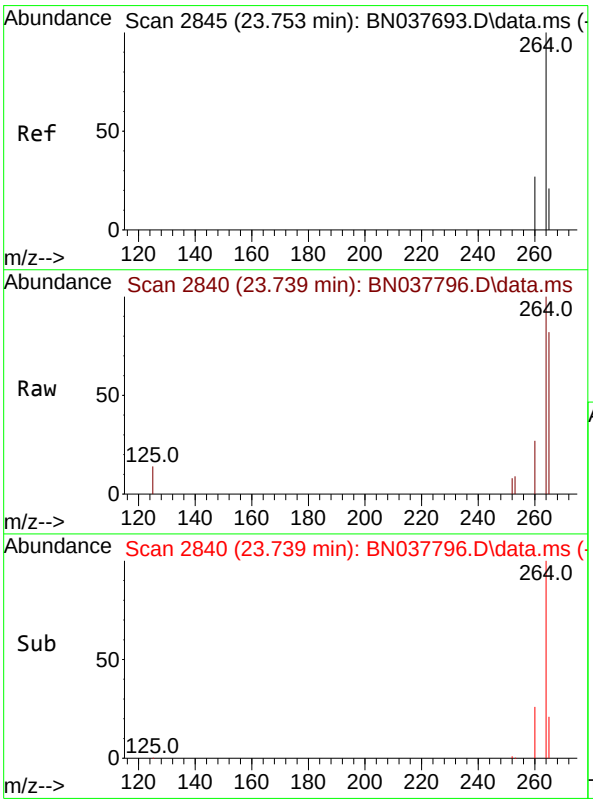
#31
Terphenyl-d14
Concen: 0.337 ng
RT: 19.861 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037796.D
Acq: 19 Sep 2025 03:24

Instrument :
BNA_N
ClientSampleId :
PB169692BL

Tgt Ion:244 Resp: 6849

Ion	Ratio	Lower	Upper
244	100		
212	10.1	7.5	11.3
122	16.6	13.2	19.8

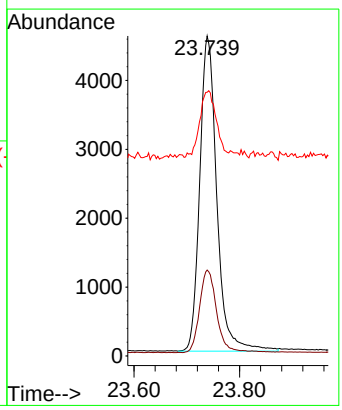




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.739 min Scan# 2840
Delta R.T. -0.015 min
Lab File: BN037796.D
Acq: 19 Sep 2025 03:24

Tgt Ion:264 Resp: 10278

Ion	Ratio	Lower	Upper
264	100		
260	26.8	21.8	32.8
265	82.4	39.4	59.2#



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:	PB169693BL	SDG No.:	Q3095
Lab Sample ID:	PB169693BL	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
BN037777.D	1	09/15/25 12:00	09/18/25 15:10	PB169693

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	0.33		30 - 150		82%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.32		30 - 150		80%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.38		55 - 111		96%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.40		53 - 106		99%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.36		58 - 132		90%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6670	7.84				
1146-65-2	Naphthalene-d8	17000	10.637				
15067-26-2	Acenaphthene-d10	7050	14.484				
1517-22-2	Phenanthrene-d10	11700	17.236				
1719-03-5	Chrysene-d12	9220	21.411				
1520-96-3	Perylene-d12	9000	23.75				

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\BN091825\
Data File : BN037777.D
Acq On : 18 Sep 2025 15:10
Operator : RC/JU
Sample : PB169693BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB169693BL

Quant Time: Sep 18 15:49:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

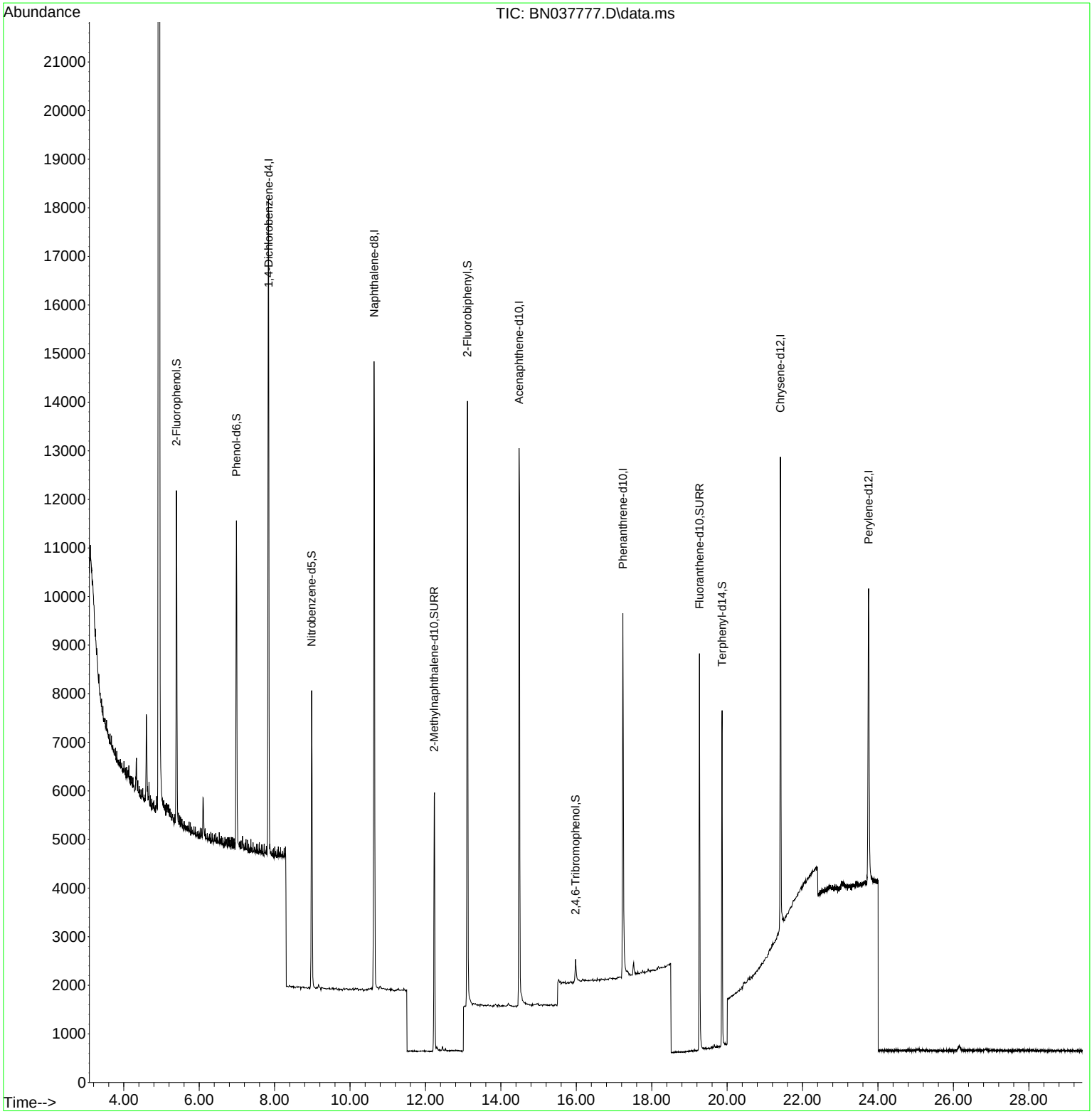
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.840	152	6667	0.400	ng	0.00
7) Naphthalene-d8	10.637	136	17045	0.400	ng	-0.01
13) Acenaphthene-d10	14.484	164	7049	0.400	ng	-0.01
19) Phenanthrene-d10	17.236	188	11652	0.400	ng	0.00
29) Chrysene-d12	21.411	240	9221	0.400	ng	# 0.00
35) Perylene-d12	23.750	264	9002	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.399	112	5270	0.344	ng	0.00
5) Phenol-d6	6.988	99	6284	0.317	ng	0.00
8) Nitrobenzene-d5	8.982	82	4777	0.383	ng	-0.01
11) 2-Methylnaphthalene-d10	12.233	152	7427	0.329	ng	-0.01
14) 2,4,6-Tribromophenol	15.982	330	384	0.209	ng	0.00
15) 2-Fluorobiphenyl	13.116	172	11632	0.395	ng	0.00
27) Fluoranthene-d10	19.267	212	9319	0.319	ng	0.00
31) Terphenyl-d14	19.866	244	6747	0.361	ng	0.00
Target Compounds						Qvalue

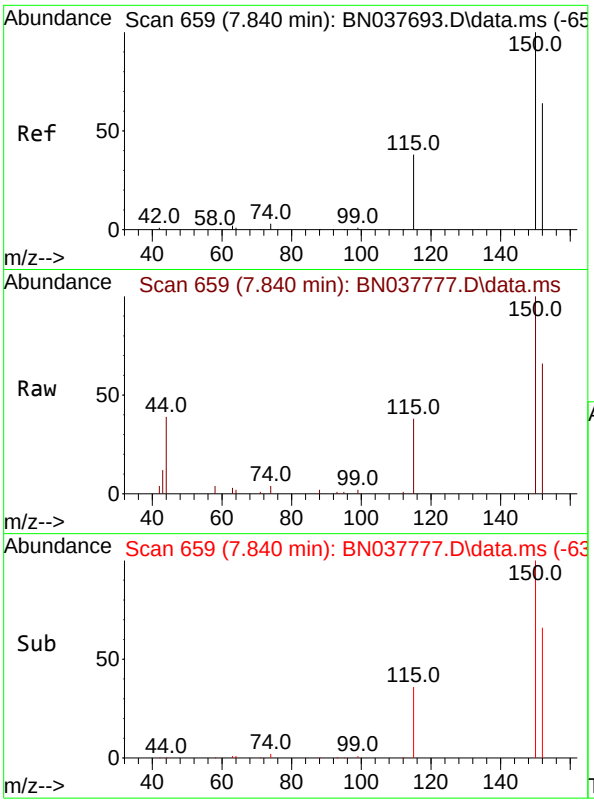
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091825\
Data File : BN037777.D
Acq On : 18 Sep 2025 15:10
Operator : RC/JU
Sample : PB169693BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB169693BL

Quant Time: Sep 18 15:49:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration



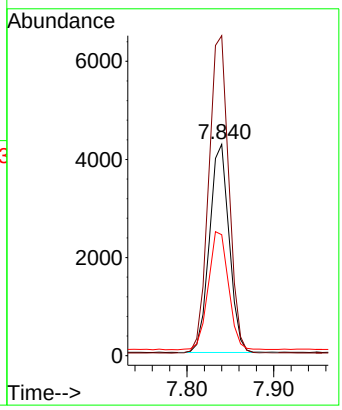


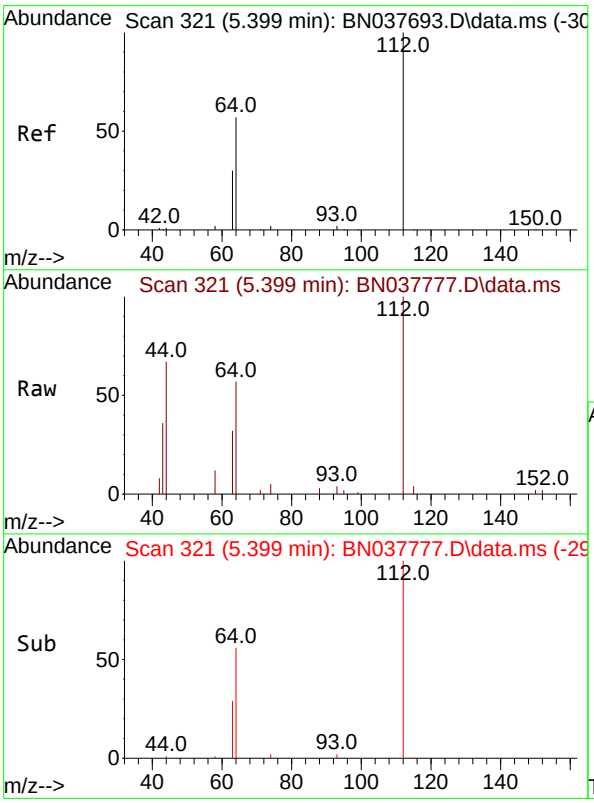
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.840 min Scan# 6
Delta R.T. 0.000 min
Lab File: BN037777.D
Acq: 18 Sep 2025 15:10

Instrument :
BNA_N
ClientSampleId :
PB169693BL

Tgt Ion:152 Resp: 6667

Ion	Ratio	Lower	Upper
152	100		
150	151.3	124.5	186.7
115	57.2	49.2	73.8

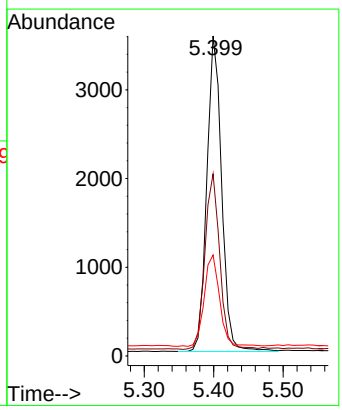


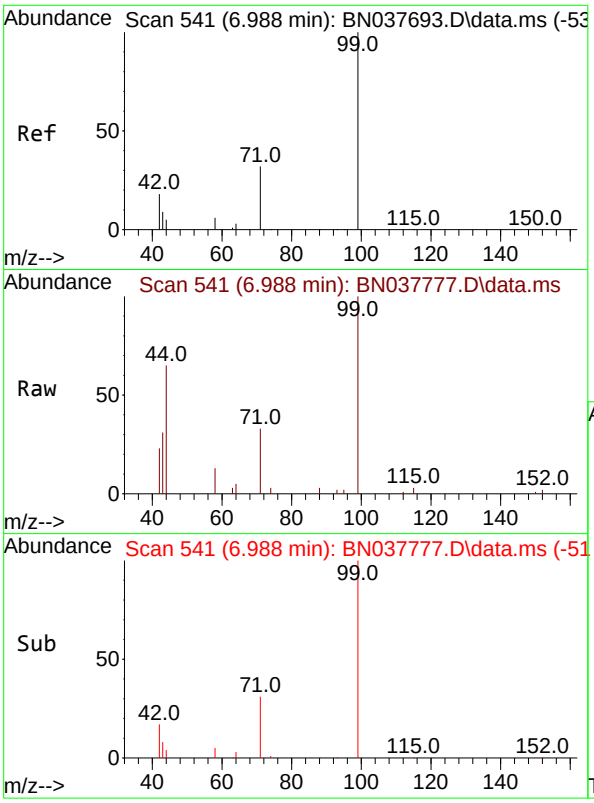


#4
2-Fluorophenol
Concen: 0.344 ng
RT: 5.399 min Scan# 321
Delta R.T. 0.000 min
Lab File: BN037777.D
Acq: 18 Sep 2025 15:10

Tgt Ion:112 Resp: 5270

Ion	Ratio	Lower	Upper
112	100		
64	55.6	44.9	67.3
63	30.1	24.7	37.1



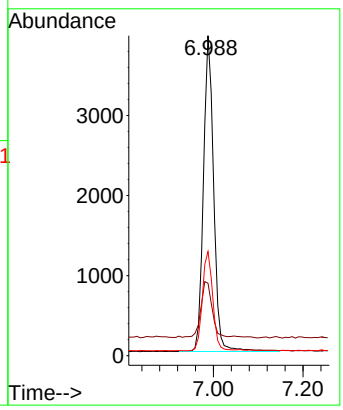


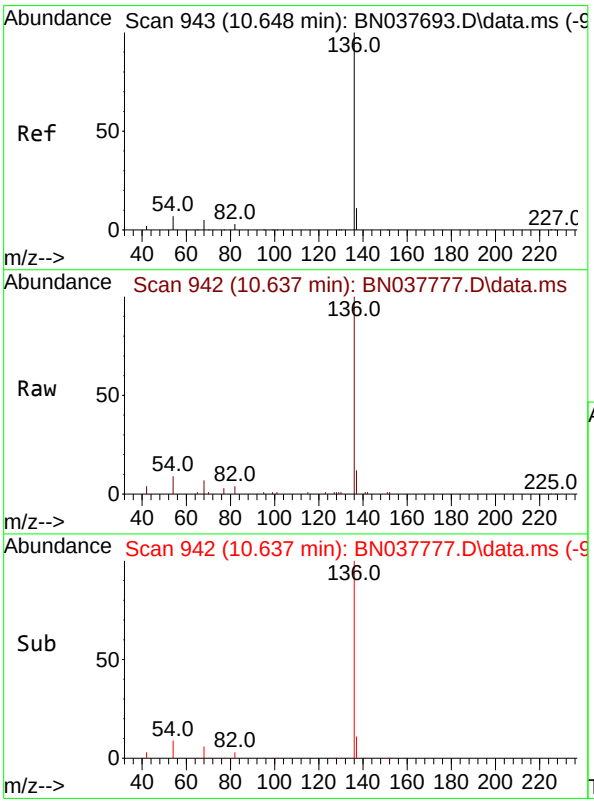
#5
Phenol-d6
Concen: 0.317 ng
RT: 6.988 min Scan# 54
Delta R.T. 0.000 min
Lab File: BN037777.D
Acq: 18 Sep 2025 15:10

Instrument :
BNA_N
ClientSampleId :
PB169693BL

Tgt Ion: 99 Resp: 6284

Ion	Ratio	Lower	Upper
99	100		
42	19.0	16.6	24.8
71	31.6	26.7	40.1

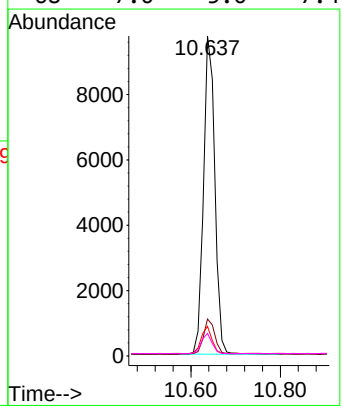


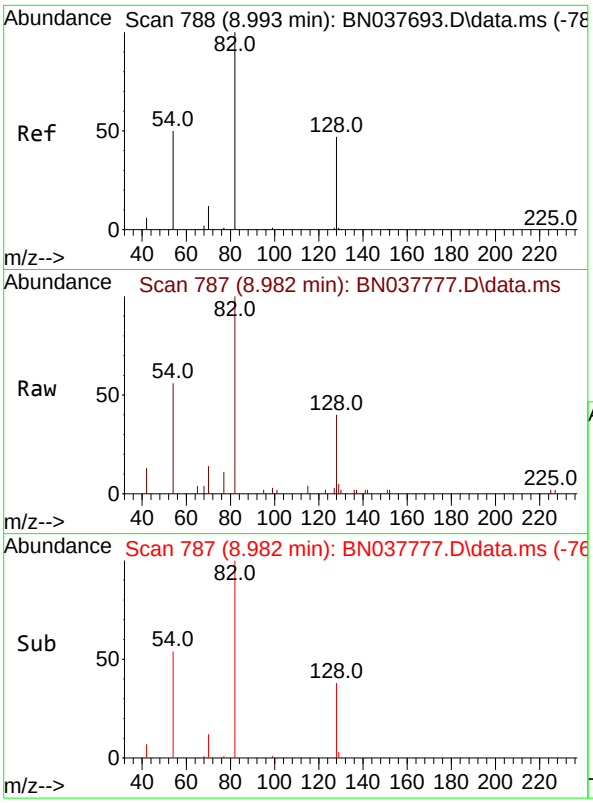


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.637 min Scan# 942
Delta R.T. -0.011 min
Lab File: BN037777.D
Acq: 18 Sep 2025 15:10

Tgt Ion:136 Resp: 17045

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.1	13.7
54	9.3	6.3	9.5
68	7.0	5.0	7.4



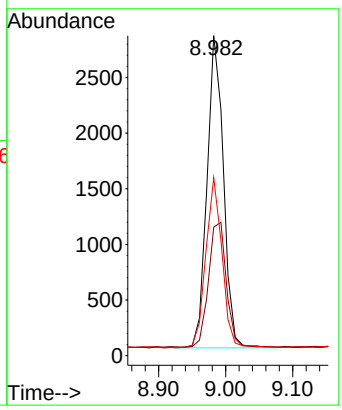


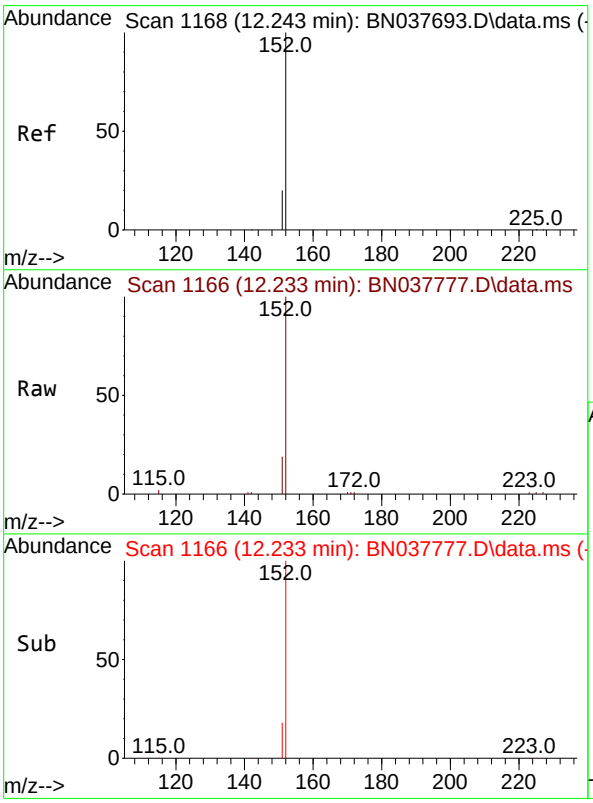
#8
Nitrobenzene-d5
Concen: 0.383 ng
RT: 8.982 min Scan# 7
Delta R.T. -0.011 min
Lab File: BN037777.D
Acq: 18 Sep 2025 15:10

Instrument :
BNA_N
ClientSampleId :
PB169693BL

Tgt Ion: 82 Resp: 4777

Ion	Ratio	Lower	Upper
82	100		
128	40.2	38.3	57.5
54	55.6	41.4	62.2

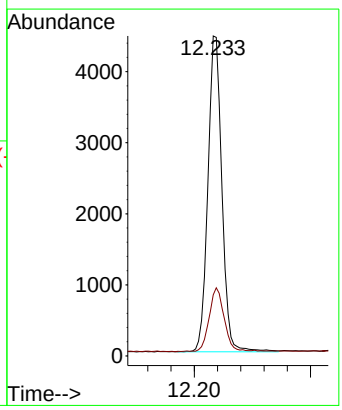


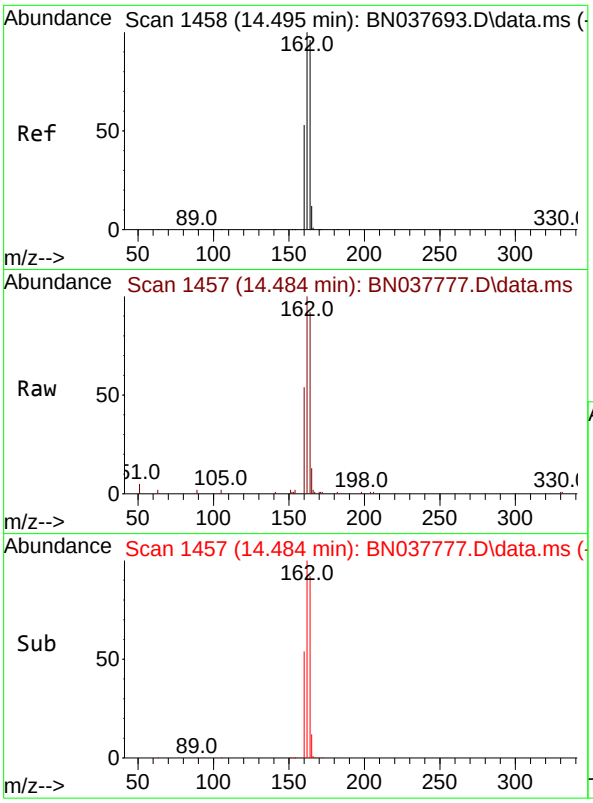


#11
2-Methylnaphthalene-d10
Concen: 0.329 ng
RT: 12.233 min Scan# 1166
Delta R.T. -0.010 min
Lab File: BN037777.D
Acq: 18 Sep 2025 15:10

Tgt Ion:152 Resp: 7427

Ion	Ratio	Lower	Upper
152	100		
151	21.2	17.0	25.6



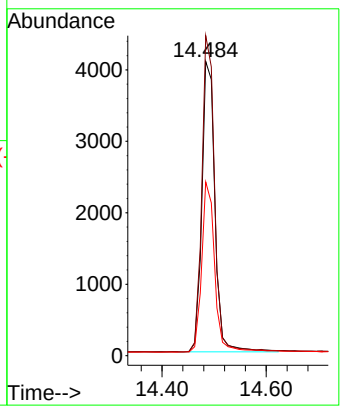


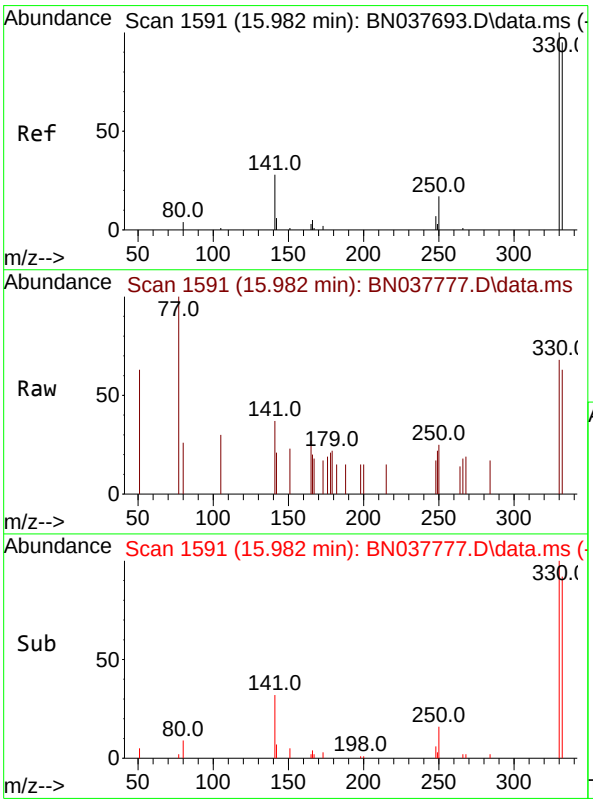
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.484 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN037777.D
Acq: 18 Sep 2025 15:10

Instrument :
BNA_N
ClientSampleId :
PB169693BL

Tgt Ion:164 Resp: 7049

Ion	Ratio	Lower	Upper
164	100		
162	108.8	83.1	124.7
160	59.1	44.3	66.5

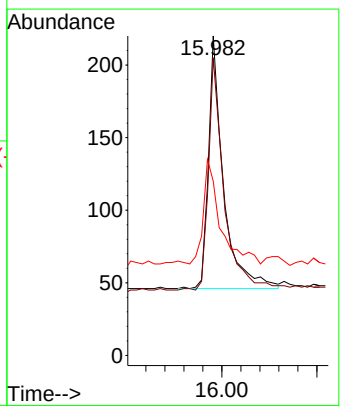


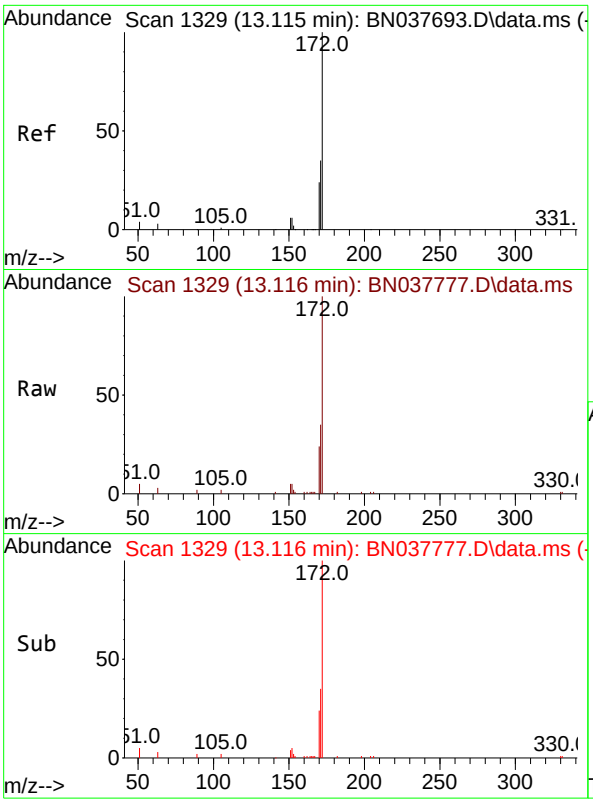


#14
2,4,6-Tribromophenol
Concen: 0.209 ng
RT: 15.982 min Scan# 1591
Delta R.T. -0.000 min
Lab File: BN037777.D
Acq: 18 Sep 2025 15:10

Tgt Ion:330 Resp: 384

Ion	Ratio	Lower	Upper
330	100		
332	94.0	75.3	112.9
141	46.1	35.0	52.4



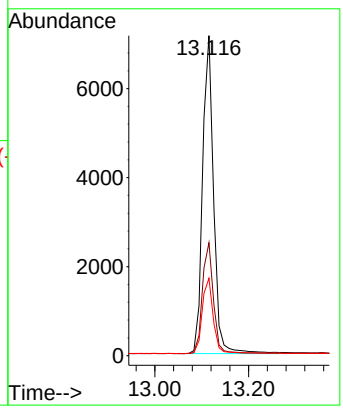


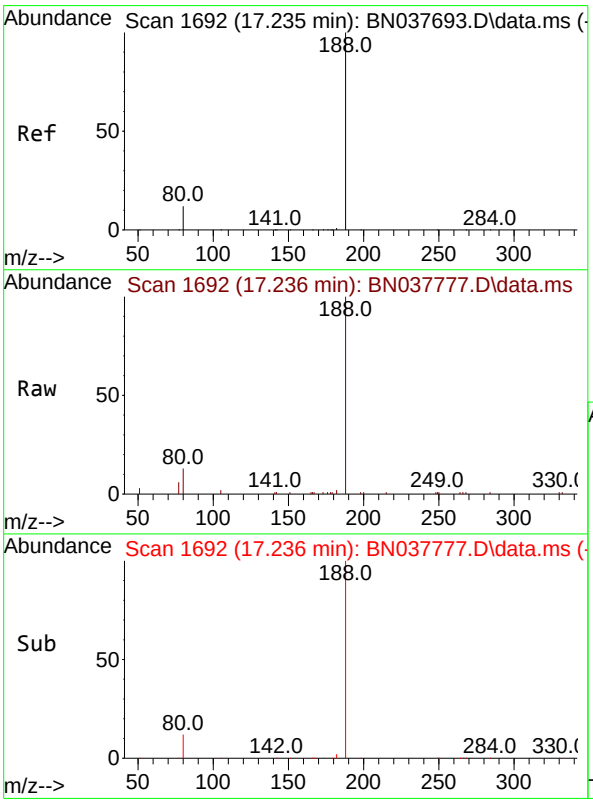
#15
2-Fluorobiphenyl
Concen: 0.395 ng
RT: 13.116 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037777.D
Acq: 18 Sep 2025 15:10

Instrument :
BNA_N
ClientSampleId :
PB169693BL

Tgt Ion:172 Resp: 11632

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.6	43.0
170	24.2	19.8	29.8

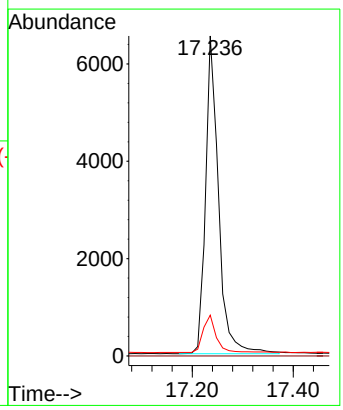


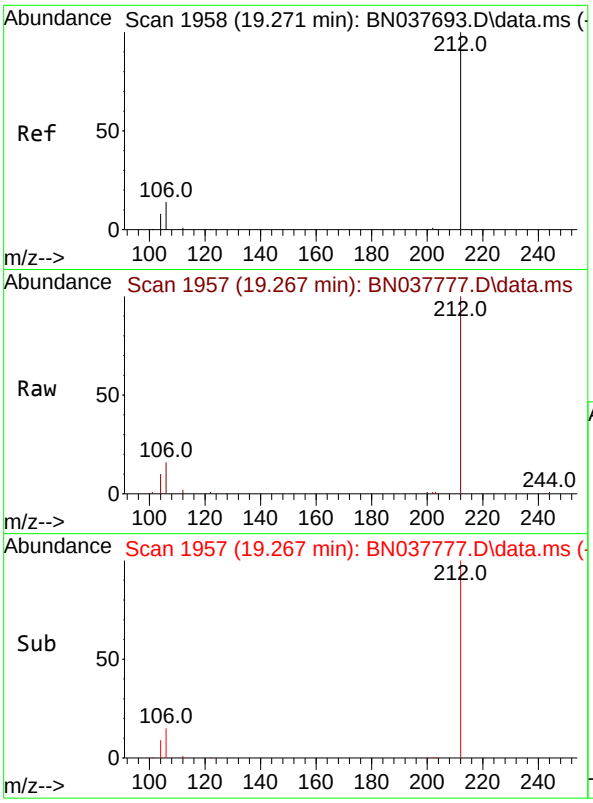


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.236 min Scan# 1692
Delta R.T. 0.000 min
Lab File: BN037777.D
Acq: 18 Sep 2025 15:10

Tgt Ion:188 Resp: 11652

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	12.7	10.6	15.8



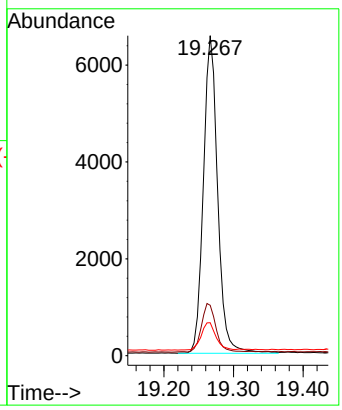


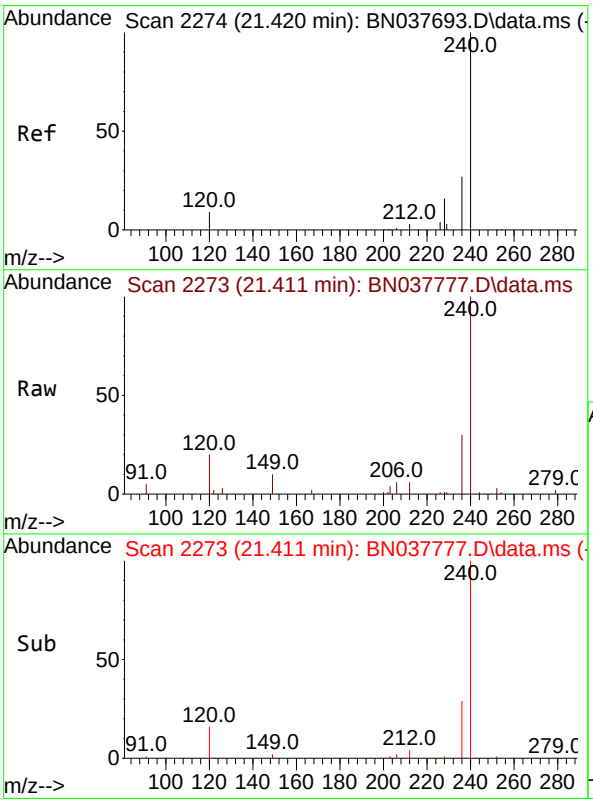
#27
Fluoranthene-d10
Concen: 0.319 ng
RT: 19.267 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN037777.D
Acq: 18 Sep 2025 15:10

Instrument :
BNA_N
ClientSampleId :
PB169693BL

Tgt Ion:212 Resp: 9319

Ion	Ratio	Lower	Upper
212	100		
106	15.7	12.2	18.2
104	8.9	6.9	10.3

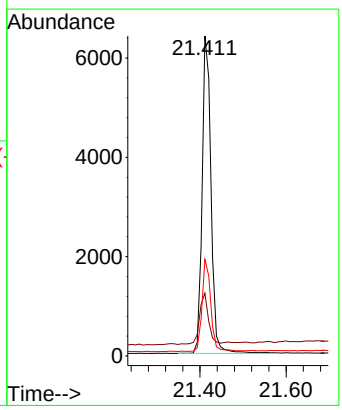


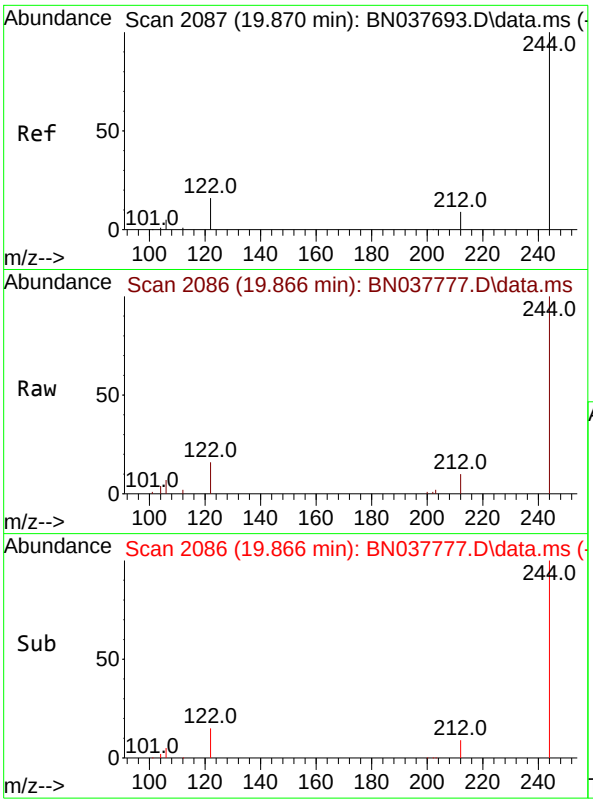


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.411 min Scan# 2273
Delta R.T. -0.009 min
Lab File: BN037777.D
Acq: 18 Sep 2025 15:10

Tgt Ion:240 Resp: 9221

Ion	Ratio	Lower	Upper
240	100		
120	19.6	9.2	13.8#
236	30.1	22.6	33.8



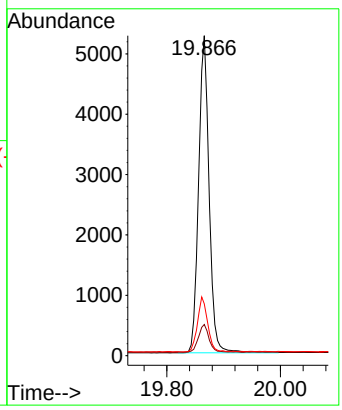


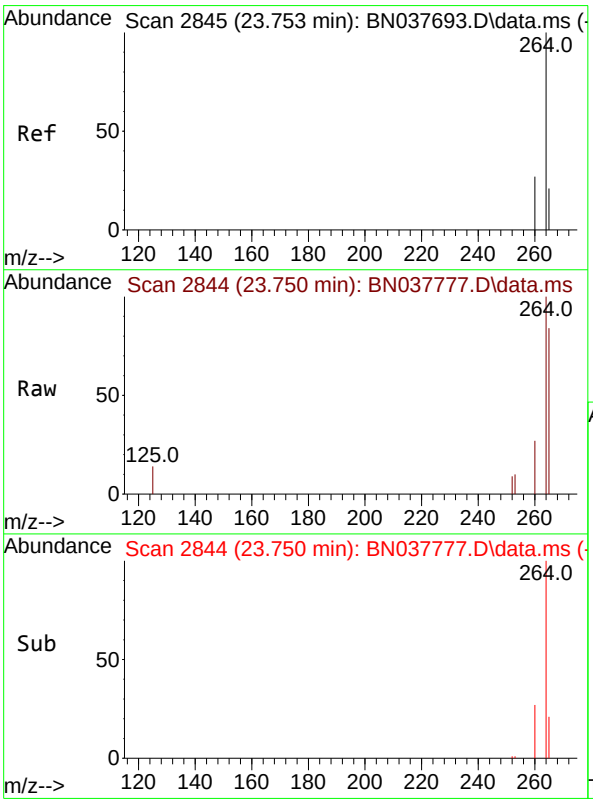
#31
Terphenyl-d14
Concen: 0.361 ng
RT: 19.866 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN037777.D
Acq: 18 Sep 2025 15:10

Instrument :
BNA_N
ClientSampleId :
PB169693BL

Tgt Ion:244 Resp: 6747

Ion	Ratio	Lower	Upper
244	100		
212	9.8	7.5	11.3
122	16.2	13.2	19.8

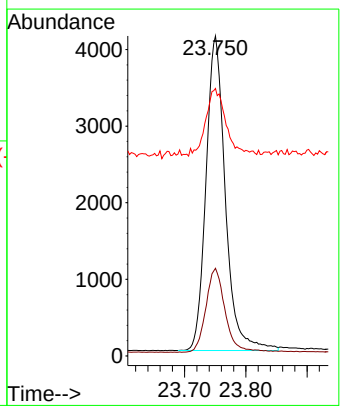




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.750 min Scan# 2844
Delta R.T. -0.003 min
Lab File: BN037777.D
Acq: 18 Sep 2025 15:10

Tgt Ion:264 Resp: 9002

Ion	Ratio	Lower	Upper
264	100		
260	27.4	21.8	32.8
265	83.6	39.4	59.2#



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:	PB169692BS	SDG No.:	Q3095
Lab Sample ID:	PB169692BS	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
BN037791.D	1	09/15/25 10:15	09/18/25 23:40	PB169692

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.30		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.30		30 - 150		76%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.30		30 - 150		75%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.35		55 - 111		88%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.36		53 - 106		90%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.31		58 - 132		78%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6980	7.833				
1146-65-2	Naphthalene-d8	18100	10.637				
15067-26-2	Acenaphthene-d10	7730	14.484				
1517-22-2	Phenanthrene-d10	12300	17.235				
1719-03-5	Chrysene-d12	10600	21.411				
1520-96-3	Perylene-d12	10800	23.739				

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\BN091825\
Data File : BN037791.D
Acq On : 18 Sep 2025 23:40
Operator : RC/JU
Sample : PB169692BS
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB169692BS

Quant Time: Sep 19 04:12:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

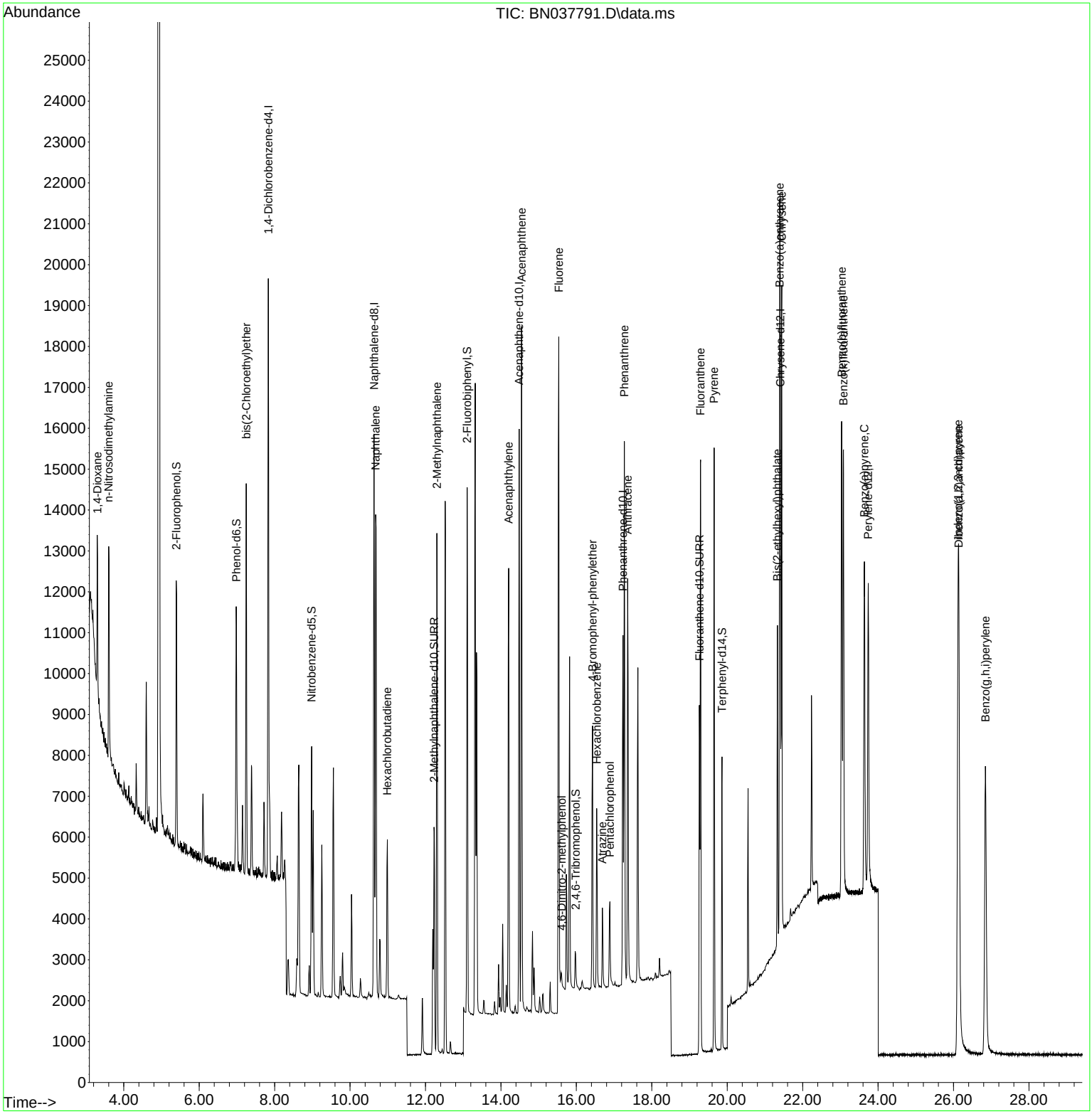
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.833	152	6983	0.400	ng	0.00
7) Naphthalene-d8	10.637	136	18103	0.400	ng	-0.01
13) Acenaphthene-d10	14.484	164	7729	0.400	ng	-0.01
19) Phenanthrene-d10	17.235	188	12277	0.400	ng	# 0.00
29) Chrysene-d12	21.411	240	10644	0.400	ng	0.00
35) Perylene-d12	23.739	264	10808	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.399	112	5108	0.319	ng	0.00
5) Phenol-d6	6.988	99	5999	0.289	ng	0.00
8) Nitrobenzene-d5	8.982	82	4664	0.352	ng	-0.01
11) 2-Methylnaphthalene-d10	12.228	152	7264	0.303	ng	-0.02
14) 2,4,6-Tribromophenol	15.982	330	683	0.339	ng	0.00
15) 2-Fluorobiphenyl	13.105	172	11595	0.359	ng	-0.01
27) Fluoranthene-d10	19.262	212	9242	0.300	ng	0.00
31) Terphenyl-d14	19.861	244	6760	0.313	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.304	88	2203	0.303	ng	# 78
3) n-Nitrosodimethylamine	3.601	42	3019	0.318	ng	# 87
6) bis(2-Chloroethyl)ether	7.248	93	6388	0.344	ng	100
9) Naphthalene	10.680	128	16538	0.334	ng	99
10) Hexachlorobutadiene	10.989	225	3164	0.353	ng	# 97
12) 2-Methylnaphthalene	12.304	142	9026	0.295	ng	99
16) Acenaphthylene	14.206	152	12644	0.357	ng	99
17) Acenaphthene	14.548	154	7865	0.328	ng	98
18) Fluorene	15.535	166	8960	0.309	ng	98
20) 4,6-Dinitro-2-methylph...	15.609	198	325	0.286	ng	# 83
21) 4-Bromophenyl-phenylether	16.429	248	2787	0.348	ng	# 93
22) Hexachlorobenzene	16.540	284	3452	0.375	ng	97
23) Atrazine	16.689	200	1725	0.339	ng	# 94
24) Pentachlorophenol	16.888	266	1262	0.472	ng	98
25) Phenanthrene	17.273	178	13331	0.345	ng	100
26) Anthracene	17.360	178	11823	0.345	ng	99
28) Fluoranthene	19.294	202	13219	0.312	ng	99
30) Pyrene	19.652	202	13196	0.317	ng	100
32) Benzo(a)anthracene	21.393	228	13045	0.351	ng	99
33) Chrysene	21.447	228	13977	0.351	ng	98
34) Bis(2-ethylhexyl)phtha...	21.331	149	3840	0.349	ng	99
36) Indeno(1,2,3-cd)pyrene	26.121	276	18272	0.402	ng	98
37) Benzo(b)fluoranthene	23.034	252	15074	0.354	ng	# 95
38) Benzo(k)fluoranthene	23.081	252	15430	0.356	ng	# 95
39) Benzo(a)pyrene	23.636	252	13066	0.383	ng	# 93
40) Dibenzo(a,h)anthracene	26.142	278	14014	0.387	ng	98
41) Benzo(g,h,i)perylene	26.846	276	15625	0.384	ng	98

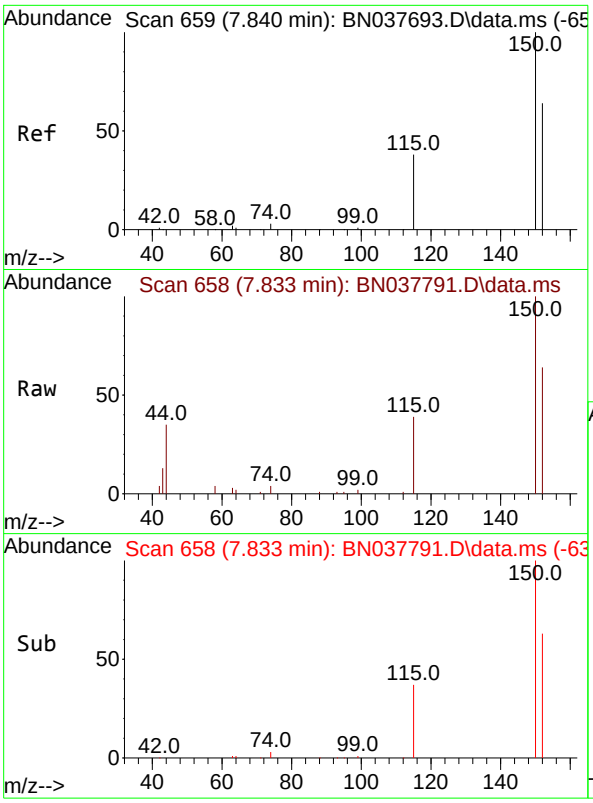
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091825\
Data File : BN037791.D
Acq On : 18 Sep 2025 23:40
Operator : RC/JU
Sample : PB169692BS
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB169692BS

Quant Time: Sep 19 04:12:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration



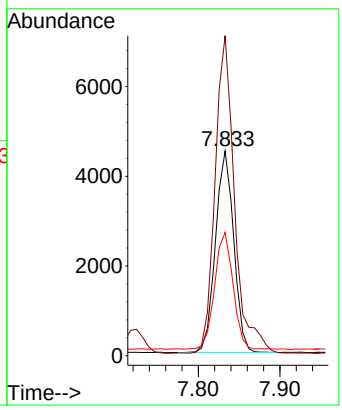


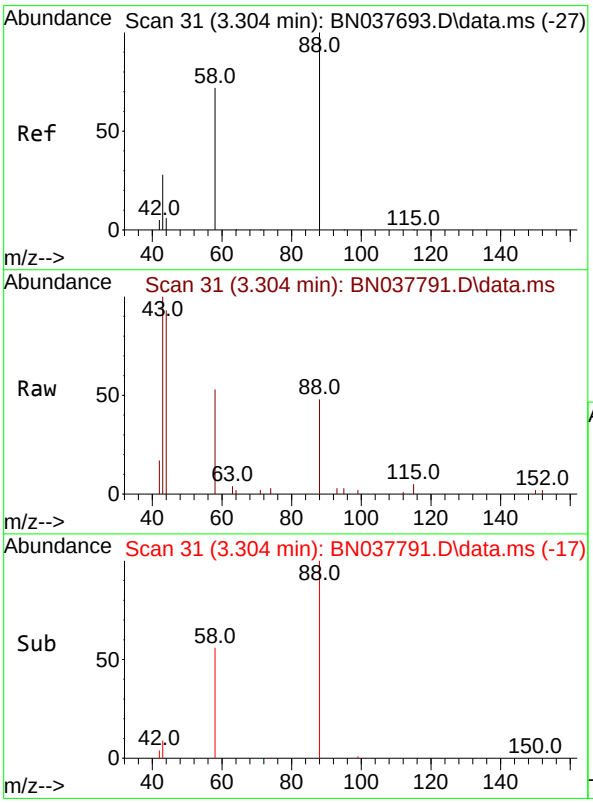
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.833 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN037791.D
Acq: 18 Sep 2025 23:40

Instrument :
BNA_N
ClientSampleId :
PB169692BS

Tgt Ion:152 Resp: 6983

Ion	Ratio	Lower	Upper
152	100		
150	156.4	124.5	186.7
115	60.3	49.2	73.8

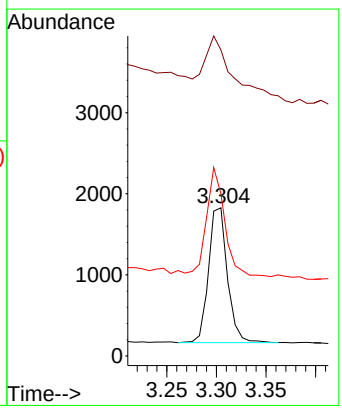


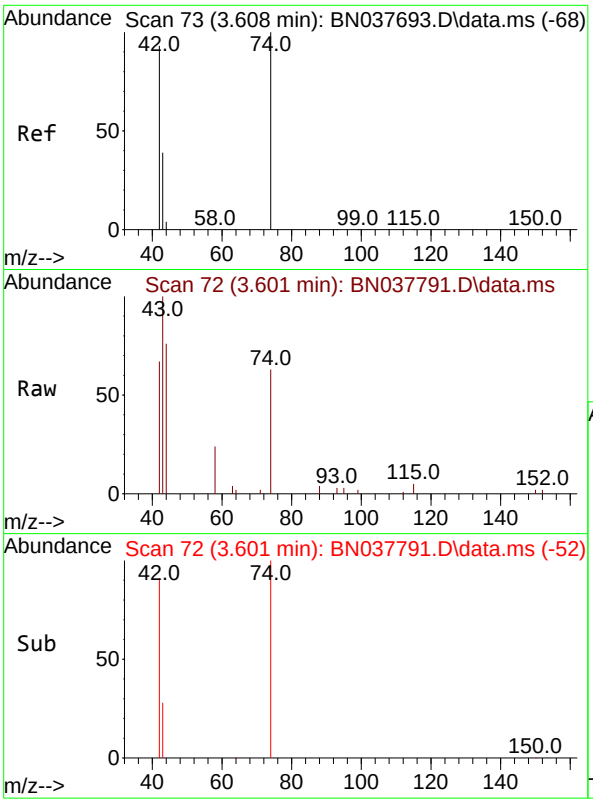


#2
1,4-Dioxane
Concen: 0.303 ng
RT: 3.304 min Scan# 31
Delta R.T. 0.000 min
Lab File: BN037791.D
Acq: 18 Sep 2025 23:40

Tgt Ion: 88 Resp: 2203

Ion	Ratio	Lower	Upper
88	100		
43	73.6	26.8	40.2#
58	78.3	61.9	92.9



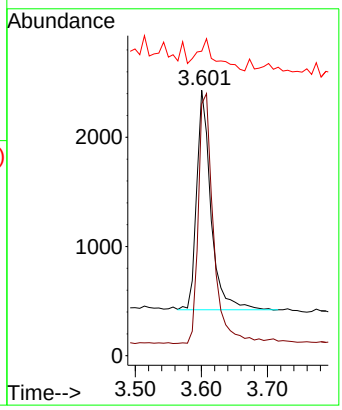


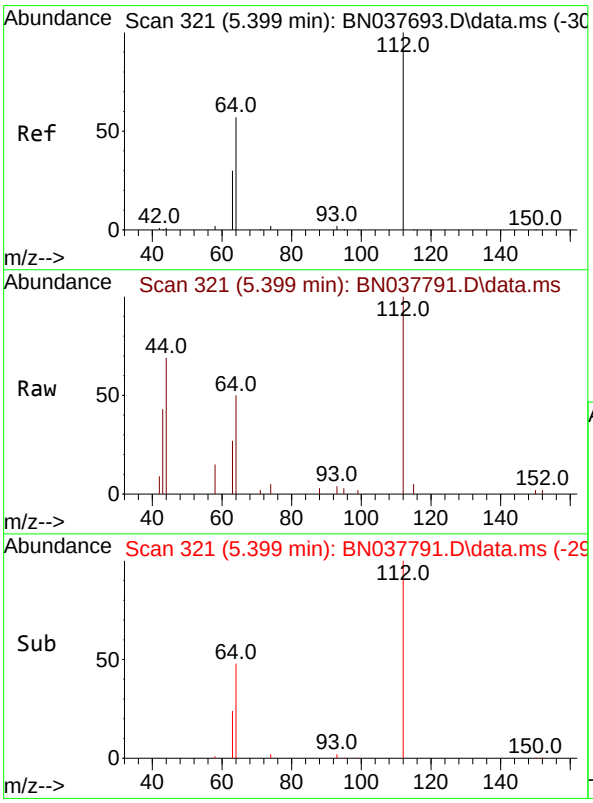
#3
n-Nitrosodimethylamine
Concen: 0.318 ng
RT: 3.601 min Scan# 7
Delta R.T. -0.007 min
Lab File: BN037791.D
Acq: 18 Sep 2025 23:40

Instrument :
BNA_N
ClientSampleId :
PB169692BS

Tgt Ion: 42 Resp: 3019

Ion	Ratio	Lower	Upper
42	100		
74	120.6	86.0	129.0
44	16.7	8.4	12.6#

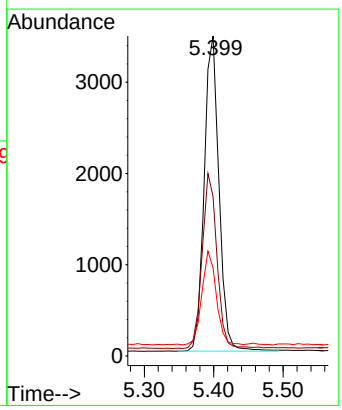


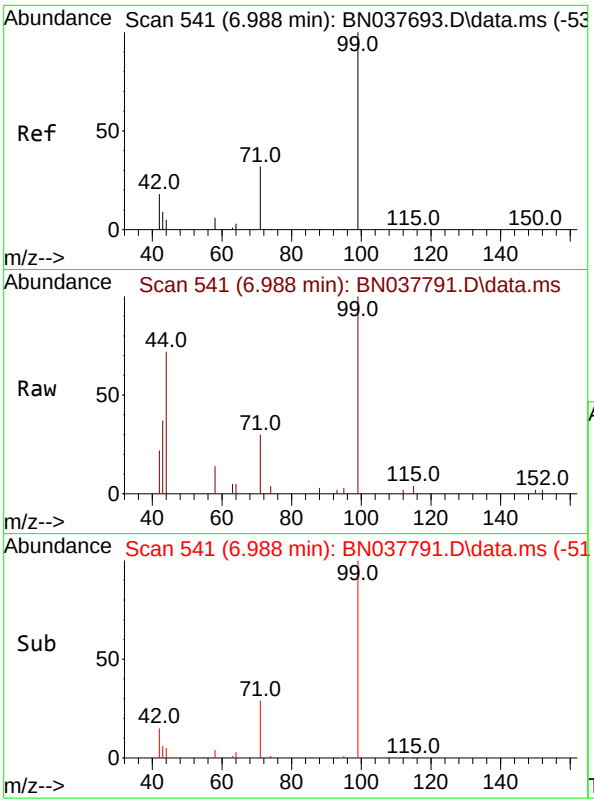


#4
2-Fluorophenol
Concen: 0.319 ng
RT: 5.399 min Scan# 321
Delta R.T. 0.000 min
Lab File: BN037791.D
Acq: 18 Sep 2025 23:40

Tgt Ion:112 Resp: 5108

Ion	Ratio	Lower	Upper
112	100		
64	55.2	44.9	67.3
63	29.0	24.7	37.1



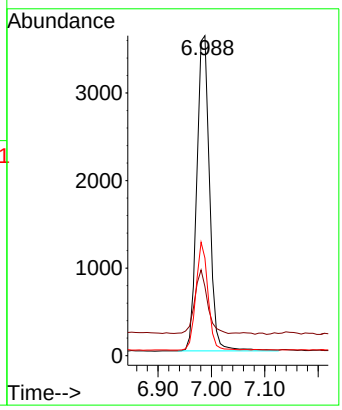


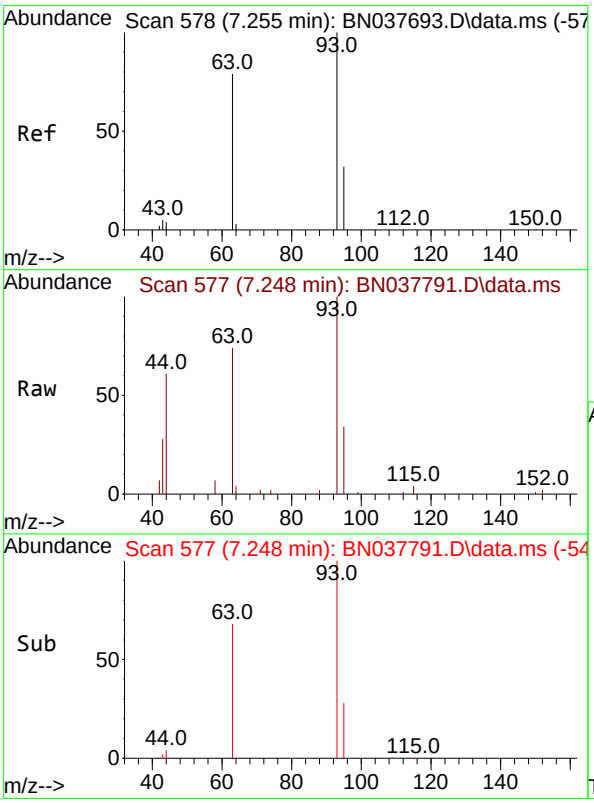
#5
Phenol-d6
Concen: 0.289 ng
RT: 6.988 min Scan# 54
Delta R.T. 0.000 min
Lab File: BN037791.D
Acq: 18 Sep 2025 23:40

Instrument :
BNA_N
ClientSampleId :
PB169692BS

Tgt Ion: 99 Resp: 5999

Ion	Ratio	Lower	Upper
99	100		
42	19.8	16.6	24.8
71	32.1	26.7	40.1

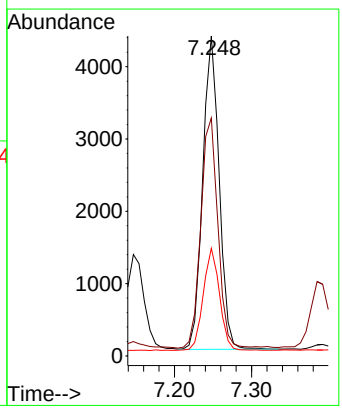


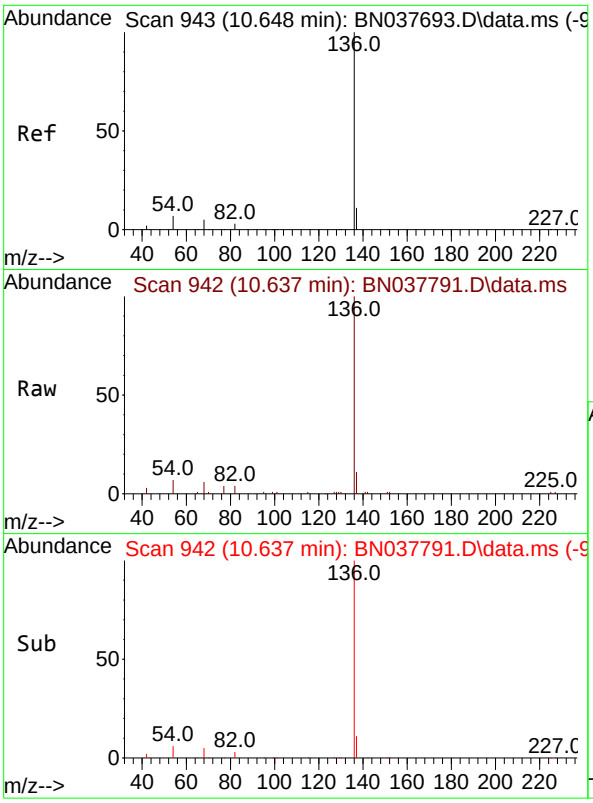


#6
bis(2-Chloroethyl)ether
Concen: 0.344 ng
RT: 7.248 min Scan# 577
Delta R.T. -0.007 min
Lab File: BN037791.D
Acq: 18 Sep 2025 23:40

Tgt Ion: 93 Resp: 6388

Ion	Ratio	Lower	Upper
93	100		
63	76.1	60.6	90.8
95	32.3	26.0	39.0



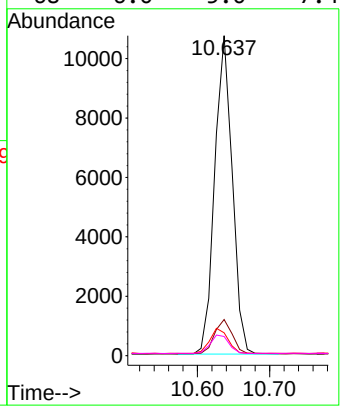


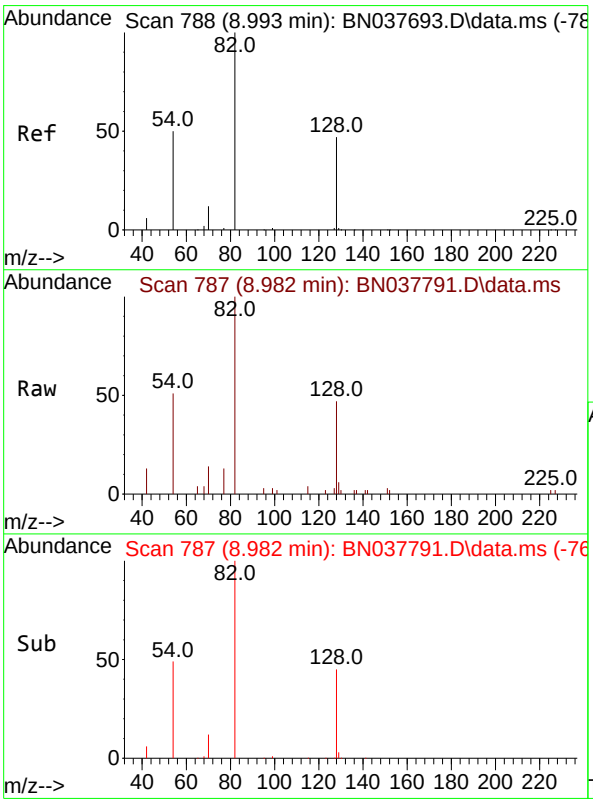
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.637 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037791.D
Acq: 18 Sep 2025 23:40

Instrument :
BNA_N
ClientSampleId :
PB169692BS

Tgt Ion:136 Resp: 18103

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	7.2	6.3	9.5
68	6.0	5.0	7.4

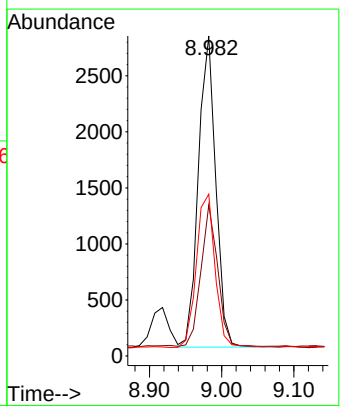


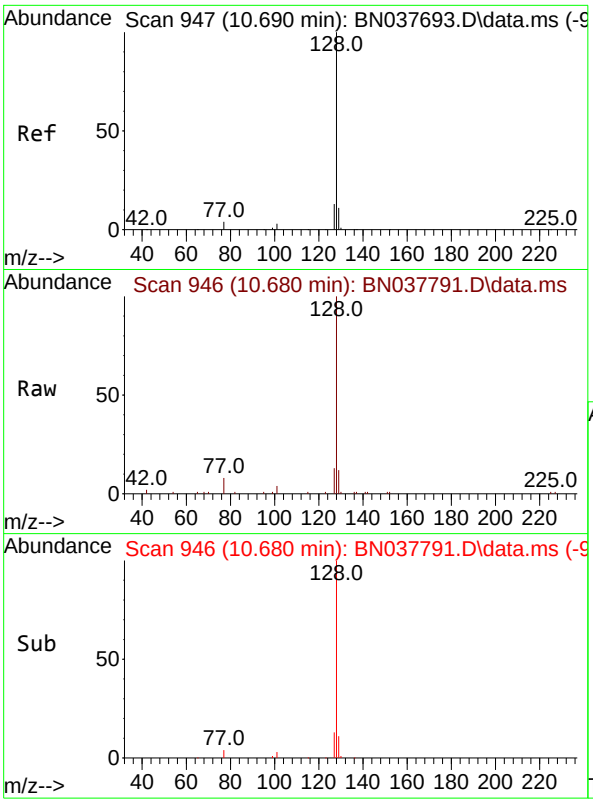


#8
Nitrobenzene-d5
Concen: 0.352 ng
RT: 8.982 min Scan# 787
Delta R.T. -0.011 min
Lab File: BN037791.D
Acq: 18 Sep 2025 23:40

Tgt Ion: 82 Resp: 4664

Ion	Ratio	Lower	Upper
82	100		
128	47.1	38.3	57.5
54	50.5	41.4	62.2



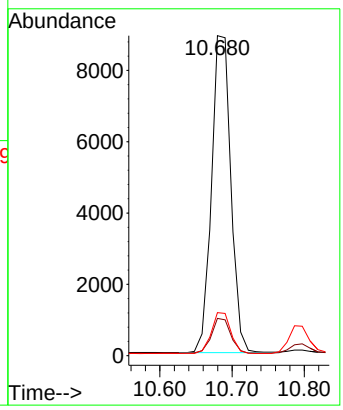


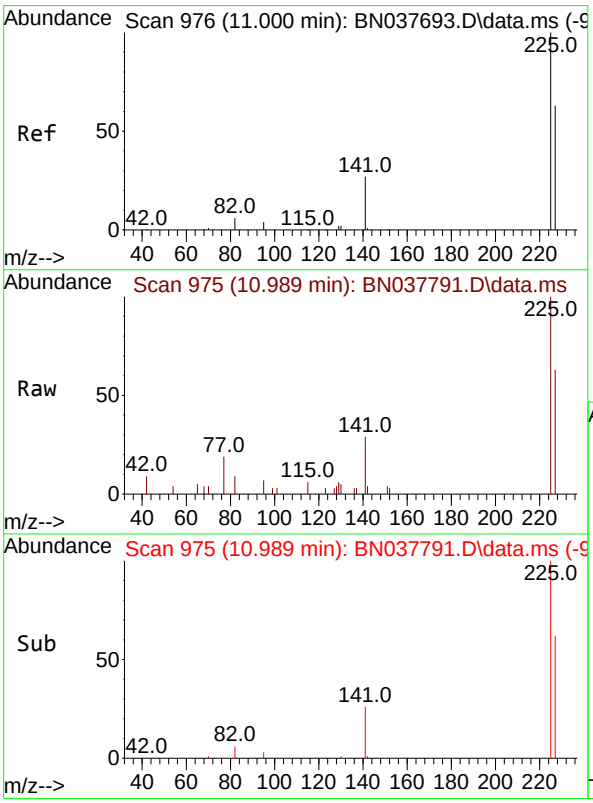
#9
Naphthalene
Concen: 0.334 ng
RT: 10.680 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037791.D
Acq: 18 Sep 2025 23:40

Instrument :
BNA_N
ClientSampleId :
PB169692BS

Tgt Ion:128 Resp: 16538

Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.1	13.7
127	13.4	10.9	16.3

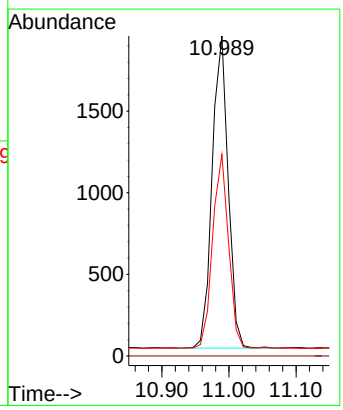


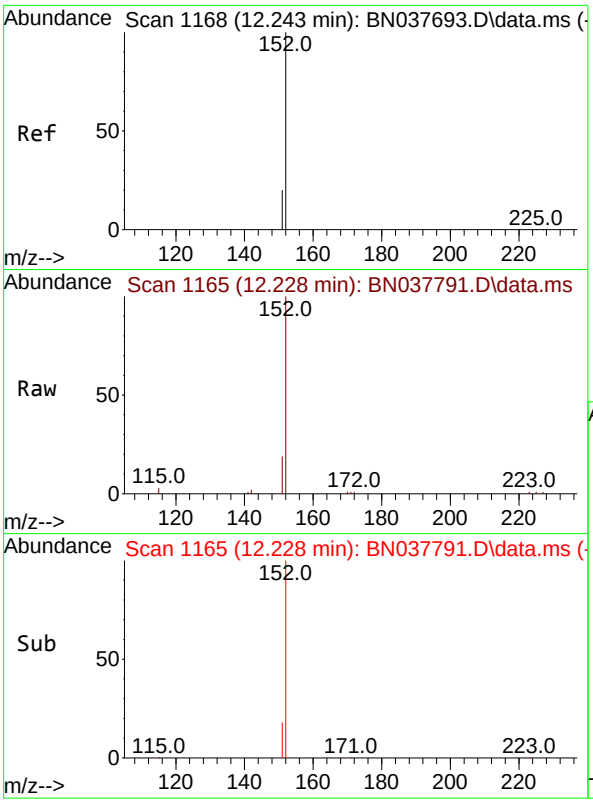


#10
Hexachlorobutadiene
Concen: 0.353 ng
RT: 10.989 min Scan# 975
Delta R.T. -0.011 min
Lab File: BN037791.D
Acq: 18 Sep 2025 23:40

Tgt Ion:225 Resp: 3164

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	61.4	50.9	76.3



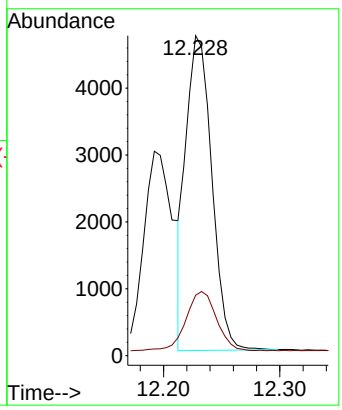


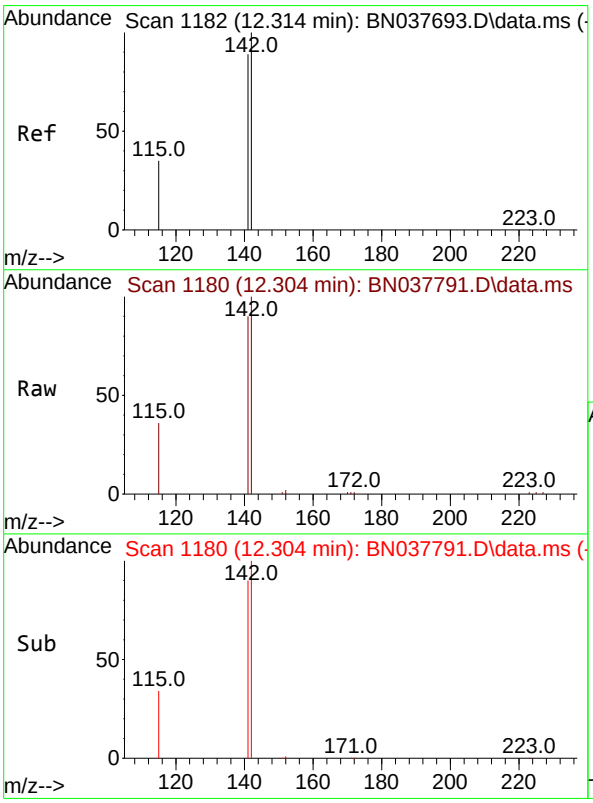
#11
2-Methylnaphthalene-d10
Concen: 0.303 ng
RT: 12.228 min Scan# 11
Delta R.T. -0.015 min
Lab File: BN037791.D
Acq: 18 Sep 2025 23:40

Instrument :
BNA_N
ClientSampleId :
PB169692BS

Tgt Ion:152 Resp: 7264

Ion	Ratio	Lower	Upper
152	100		
151	22.7	17.0	25.6

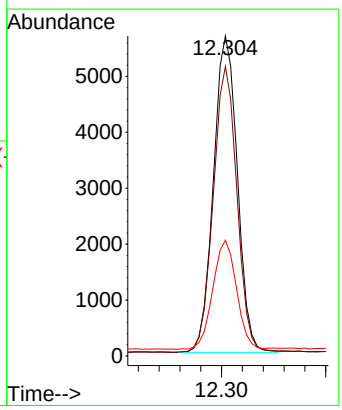


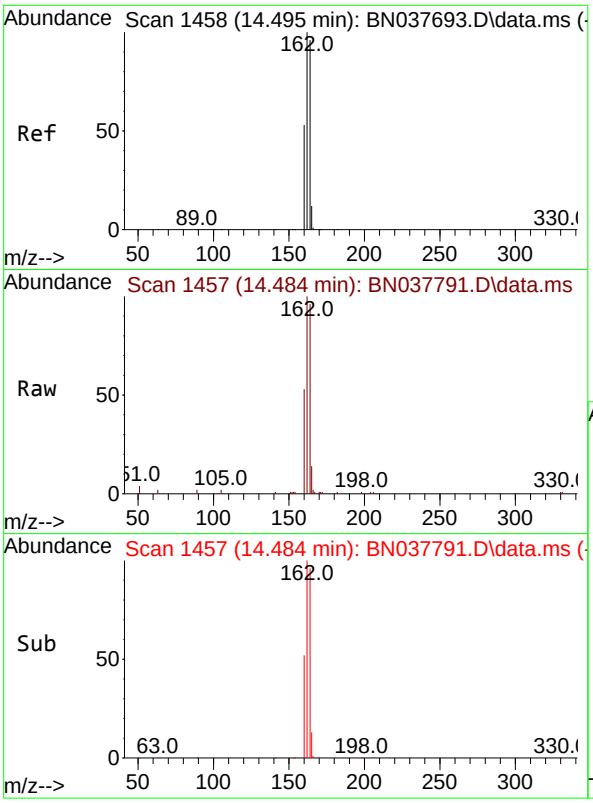


#12
2-Methylnaphthalene
Concen: 0.295 ng
RT: 12.304 min Scan# 1180
Delta R.T. -0.010 min
Lab File: BN037791.D
Acq: 18 Sep 2025 23:40

Tgt Ion:142 Resp: 9026

Ion	Ratio	Lower	Upper
142	100		
141	90.4	71.6	107.4
115	36.1	28.6	43.0



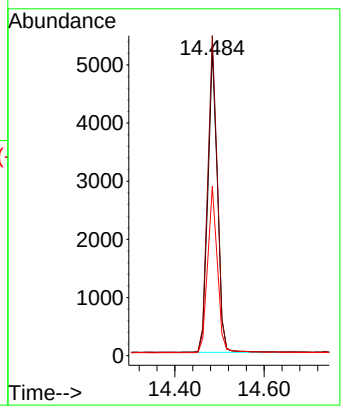


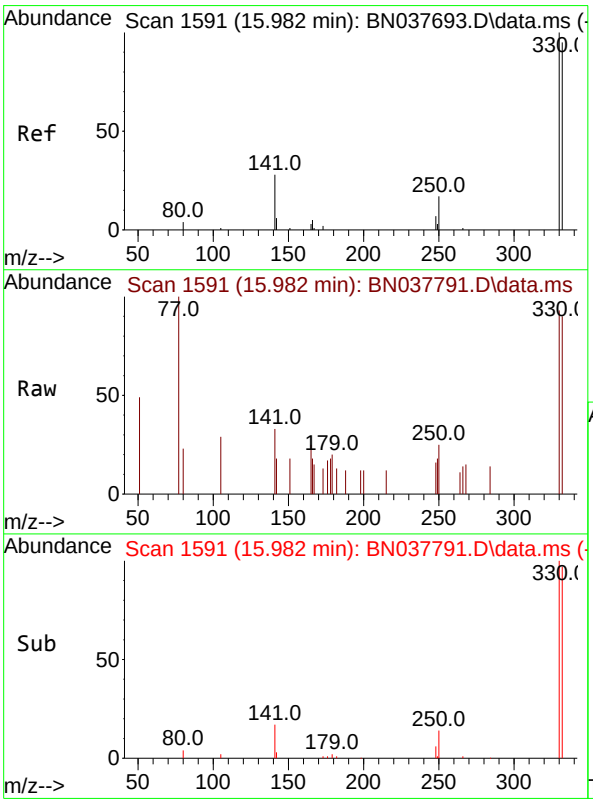
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.484 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN037791.D
Acq: 18 Sep 2025 23:40

Instrument :
BNA_N
ClientSampleId :
PB169692BS

Tgt Ion:164 Resp: 7729

Ion	Ratio	Lower	Upper
164	100		
162	104.5	83.1	124.7
160	55.3	44.3	66.5

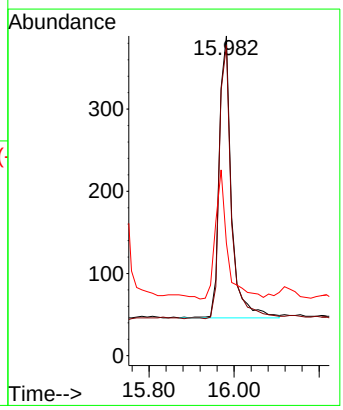


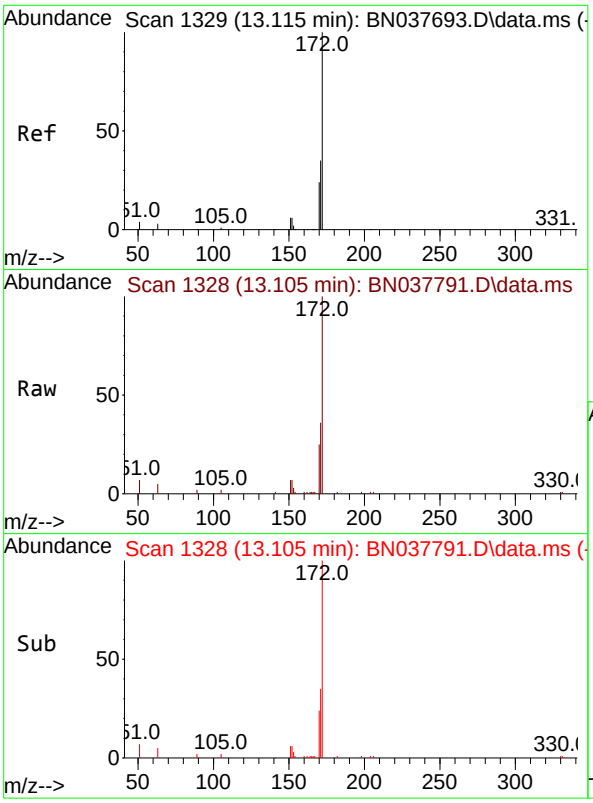


#14
2,4,6-Tribromophenol
Concen: 0.339 ng
RT: 15.982 min Scan# 1591
Delta R.T. -0.000 min
Lab File: BN037791.D
Acq: 18 Sep 2025 23:40

Tgt Ion:330 Resp: 683

Ion	Ratio	Lower	Upper
330	100		
332	96.8	75.3	112.9
141	44.7	35.0	52.4



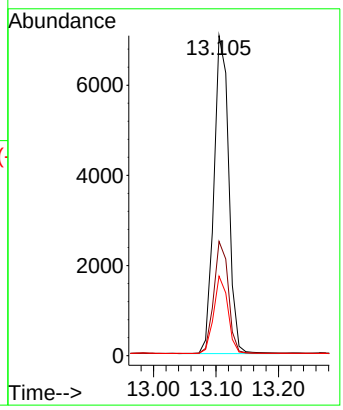


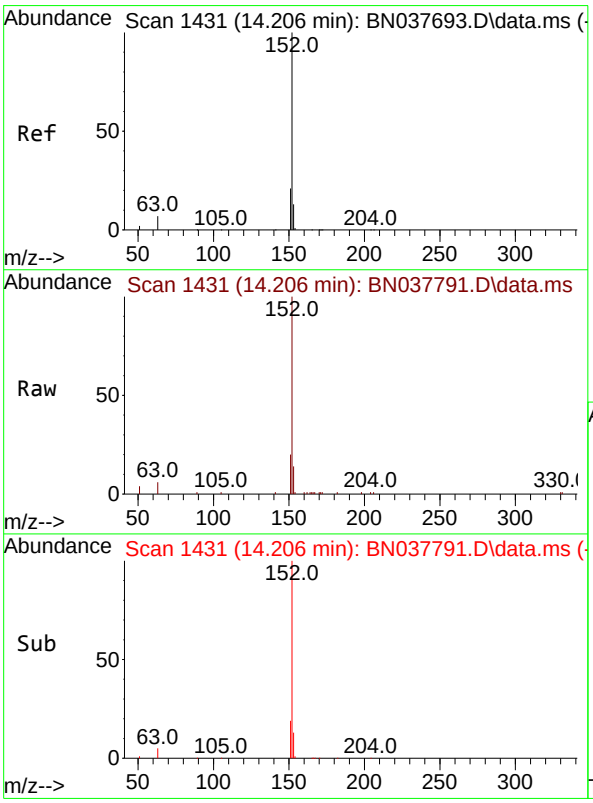
#15
2-Fluorobiphenyl
Concen: 0.359 ng
RT: 13.105 min Scan# 1
Delta R.T. -0.011 min
Lab File: BN037791.D
Acq: 18 Sep 2025 23:40

Instrument :
BNA_N
ClientSampleId :
PB169692BS

Tgt Ion:172 Resp: 11595

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.6	43.0
170	24.8	19.8	29.8

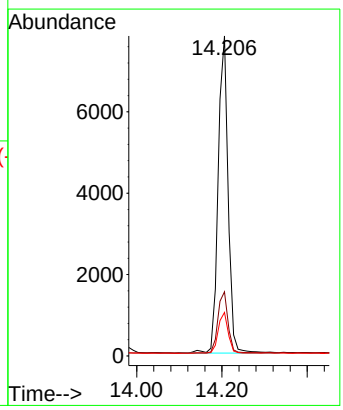


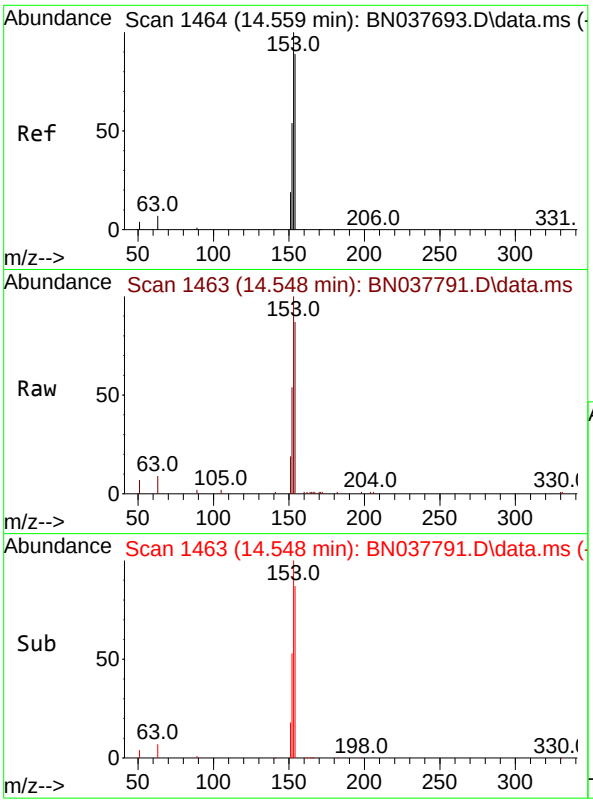


#16
Acenaphthylene
Concen: 0.357 ng
RT: 14.206 min Scan# 1431
Delta R.T. 0.000 min
Lab File: BN037791.D
Acq: 18 Sep 2025 23:40

Tgt Ion:152 Resp: 12644

Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.2	24.2
153	13.2	10.4	15.6



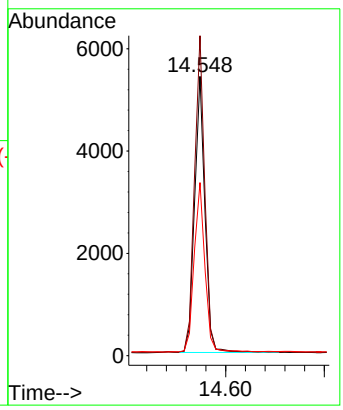


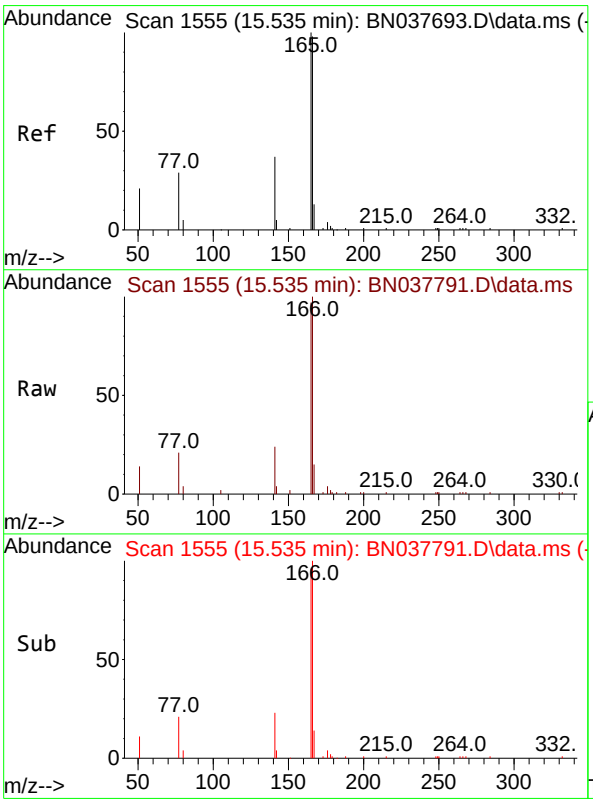
#17
Acenaphthene
Concen: 0.328 ng
RT: 14.548 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN037791.D
Acq: 18 Sep 2025 23:40

Instrument :
BNA_N
ClientSampleId :
PB169692BS

Tgt Ion:154 Resp: 7865

Ion	Ratio	Lower	Upper
154	100		
153	114.6	89.8	134.8
152	63.6	50.2	75.2

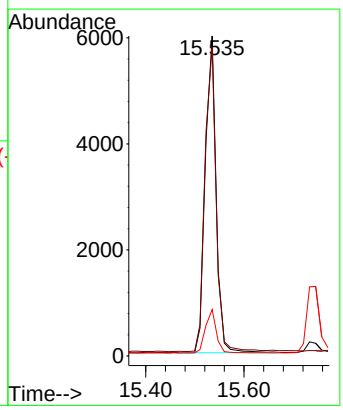


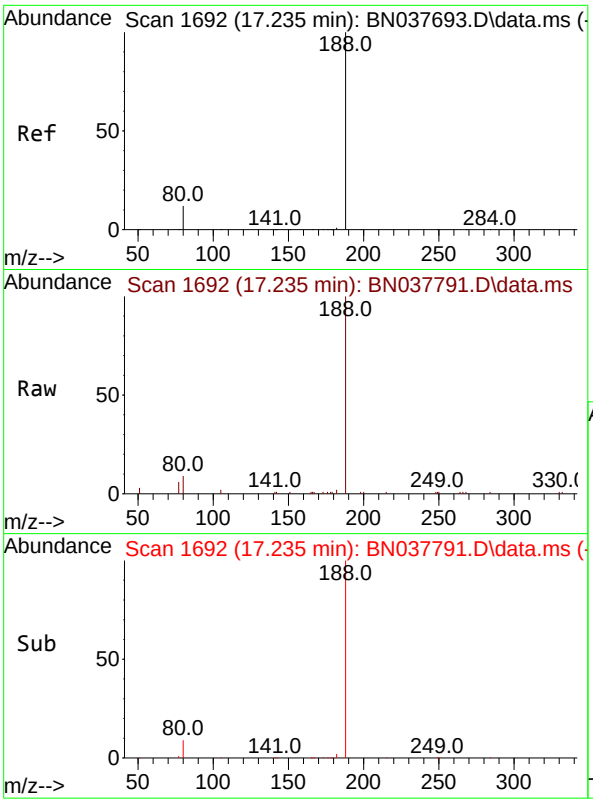


#18
Fluorene
Concen: 0.309 ng
RT: 15.535 min Scan# 1555
Delta R.T. 0.000 min
Lab File: BN037791.D
Acq: 18 Sep 2025 23:40

Tgt Ion:166 Resp: 8960

Ion	Ratio	Lower	Upper
166	100		
165	97.8	79.6	119.4
167	13.5	10.6	16.0



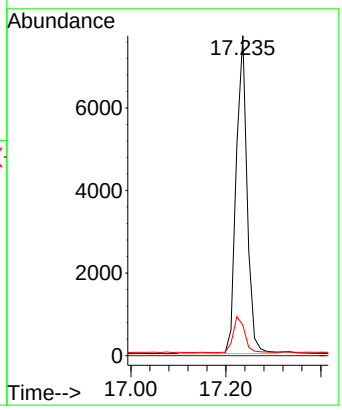


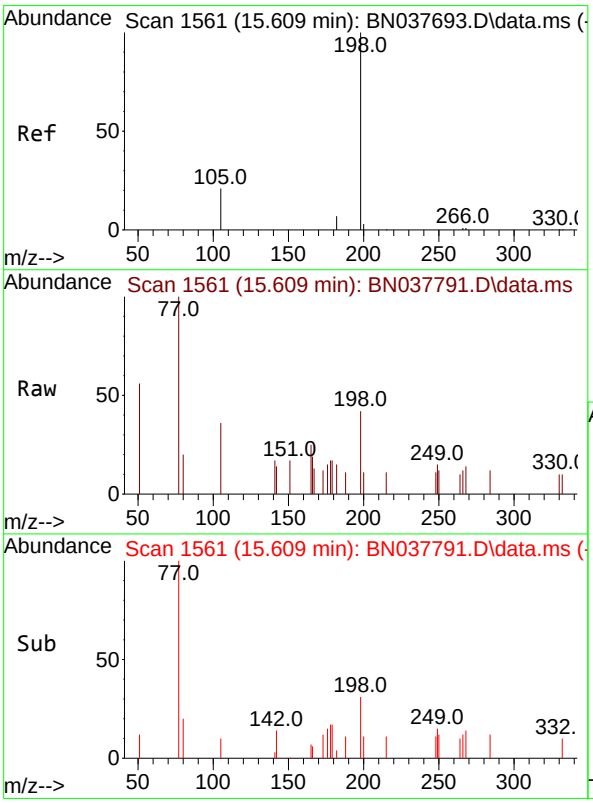
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.235 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN037791.D
Acq: 18 Sep 2025 23:40

Instrument :
BNA_N
ClientSampleId :
PB169692BS

Tgt Ion:188 Resp: 12277

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.5	10.6	15.8#

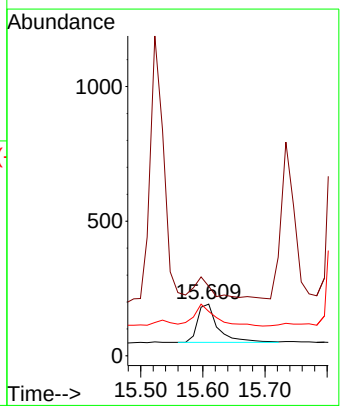


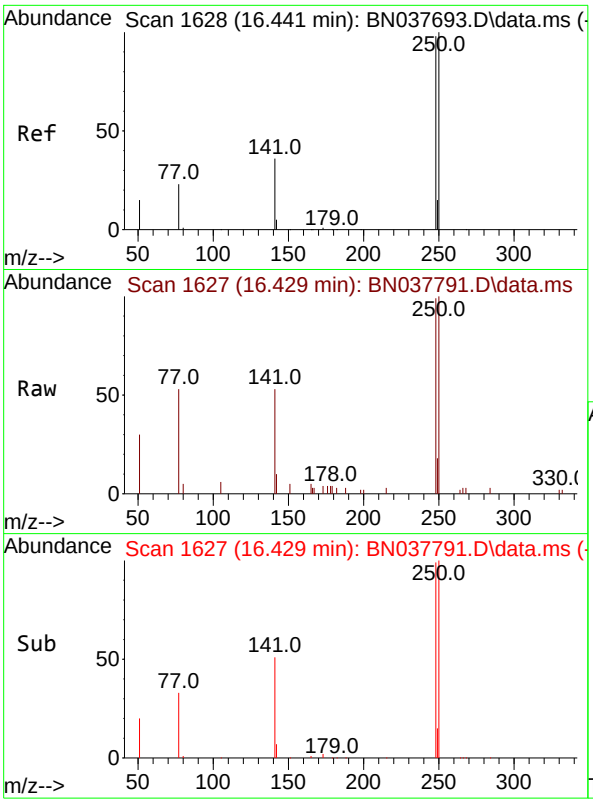


#20
4,6-Dinitro-2-methylphenol
Concen: 0.286 ng
RT: 15.609 min Scan# 1561
Delta R.T. 0.000 min
Lab File: BN037791.D
Acq: 18 Sep 2025 23:40

Tgt Ion:198 Resp: 325

Ion	Ratio	Lower	Upper
198	100		
51	134.4	95.1	142.7
105	85.9	53.8	80.6#



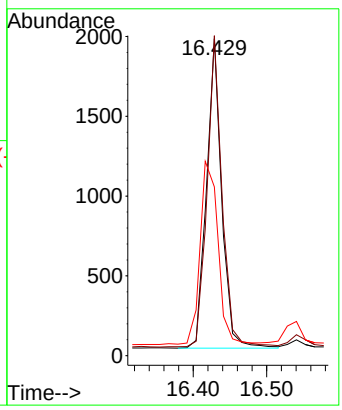


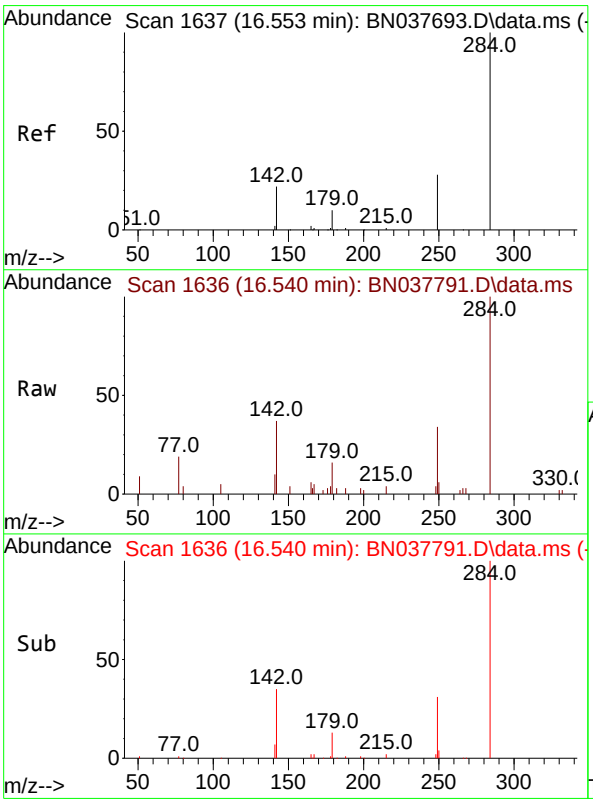
#21
4-Bromophenyl-phenylether
Concen: 0.348 ng
RT: 16.429 min Scan# 1(
Delta R.T. -0.012 min
Lab File: BN037791.D
Acq: 18 Sep 2025 23:40

Instrument :
BNA_N
ClientSampleId :
PB169692BS

Tgt Ion:248 Resp: 2787

Ion	Ratio	Lower	Upper
248	100		
250	100.9	81.5	122.3
141	53.2	30.8	46.2#

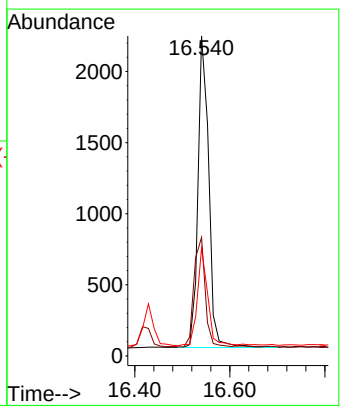


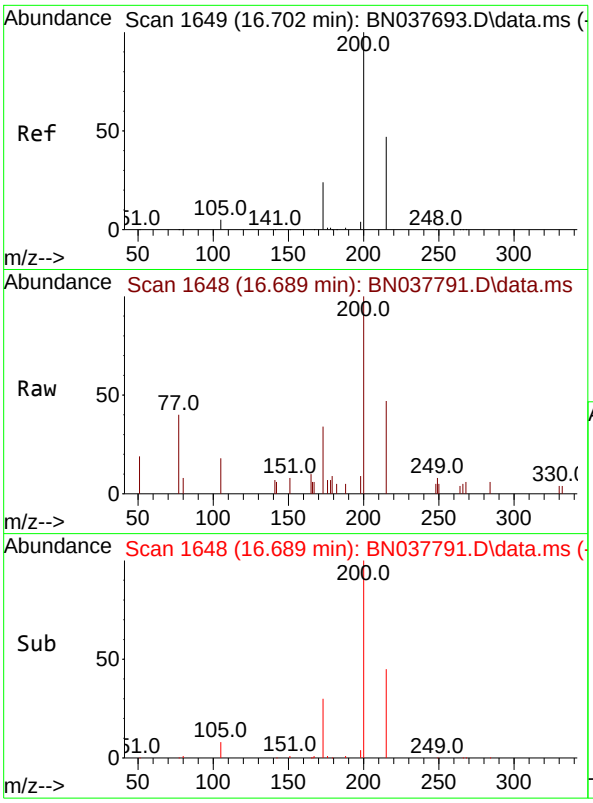


#22
Hexachlorobenzene
Concen: 0.375 ng
RT: 16.540 min Scan# 1636
Delta R.T. -0.012 min
Lab File: BN037791.D
Acq: 18 Sep 2025 23:40

Tgt Ion:284 Resp: 3452

Ion	Ratio	Lower	Upper
284	100		
142	36.3	30.9	46.3
249	30.0	24.8	37.2



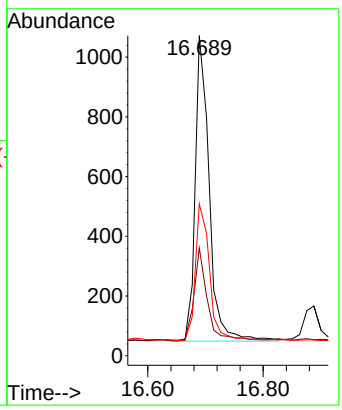


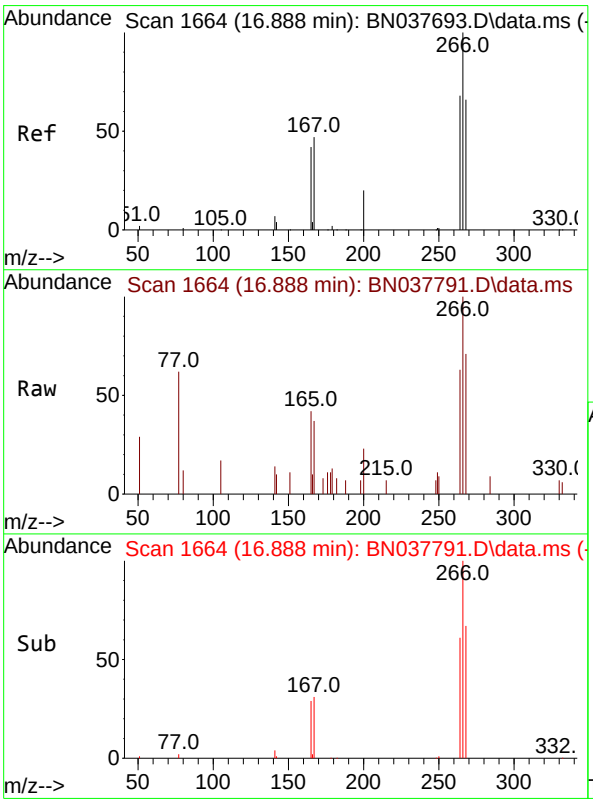
#23
Atrazine
Concen: 0.339 ng
RT: 16.689 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037791.D
Acq: 18 Sep 2025 23:40

Instrument :
BNA_N
ClientSampleId :
PB169692BS

Tgt Ion:200 Resp: 1725

Ion	Ratio	Lower	Upper
200	100		
173	33.7	21.4	32.2#
215	47.4	39.2	58.8

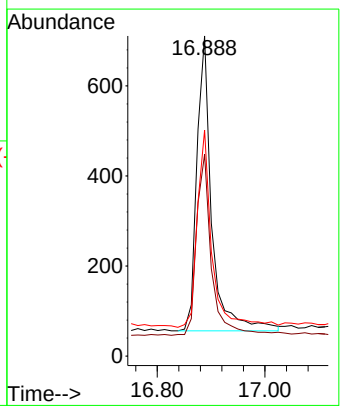


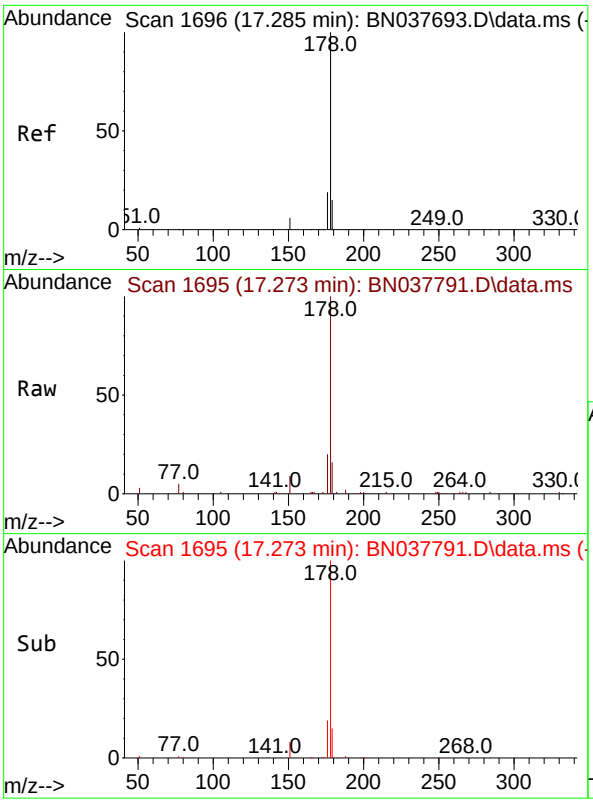


#24
Pentachlorophenol
Concen: 0.472 ng
RT: 16.888 min Scan# 1664
Delta R.T. 0.000 min
Lab File: BN037791.D
Acq: 18 Sep 2025 23:40

Tgt Ion:266 Resp: 1262

Ion	Ratio	Lower	Upper
266	100		
264	62.1	51.6	77.4
268	66.1	53.2	79.8



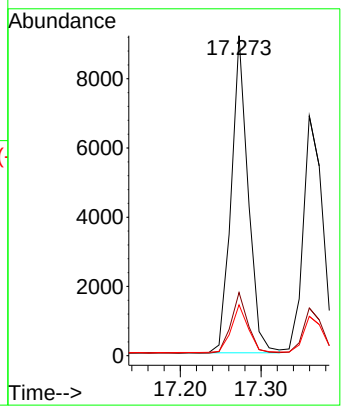


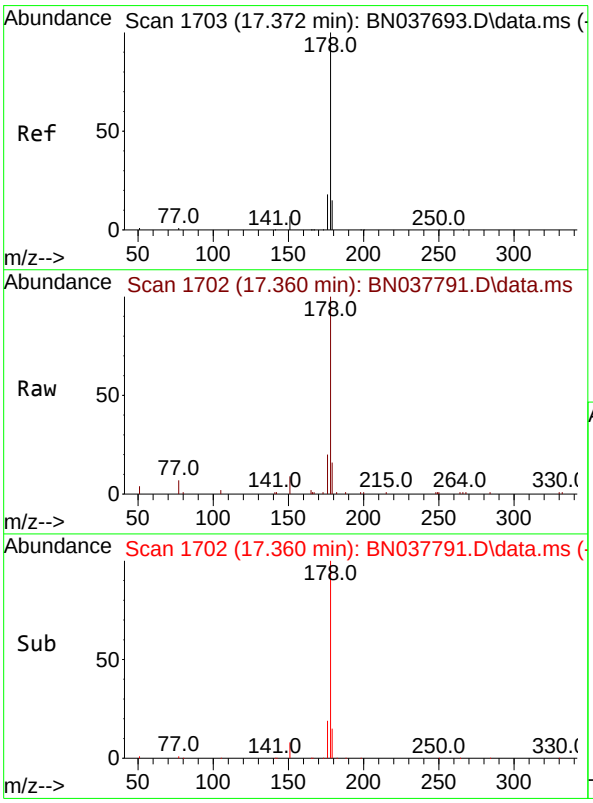
#25
Phenanthrene
Concen: 0.345 ng
RT: 17.273 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037791.D
Acq: 18 Sep 2025 23:40

Instrument :
BNA_N
ClientSampleId :
PB169692BS

Tgt Ion:178 Resp: 13331

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.6	12.2	18.2

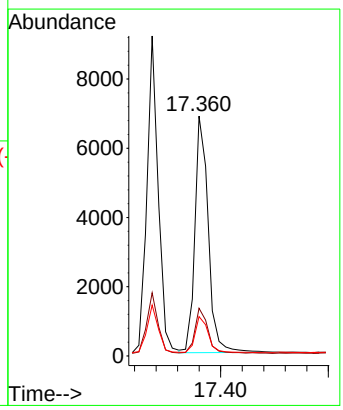


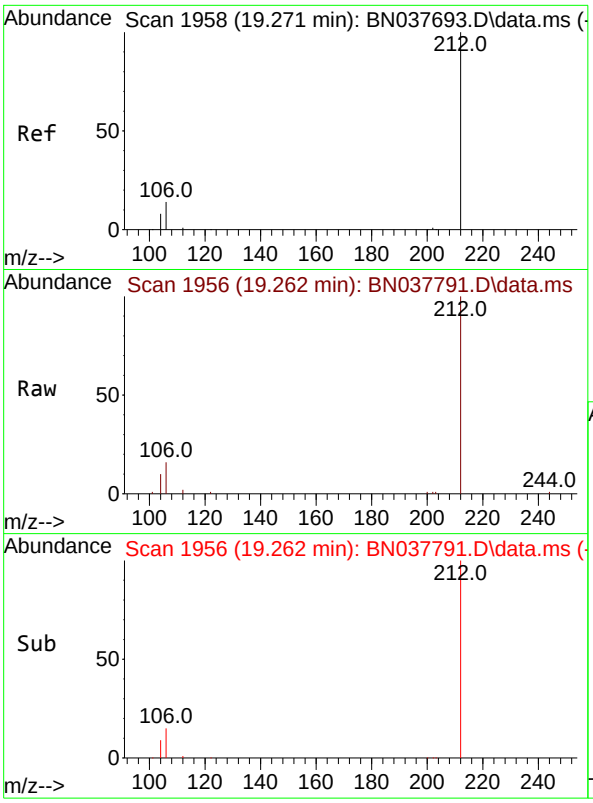


#26
Anthracene
Concen: 0.345 ng
RT: 17.360 min Scan# 1702
Delta R.T. -0.012 min
Lab File: BN037791.D
Acq: 18 Sep 2025 23:40

Tgt Ion:178 Resp: 11823

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.6	22.0
179	14.9	12.2	18.4



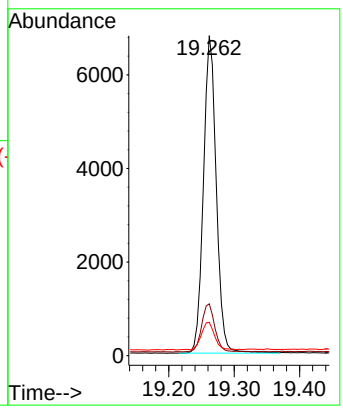


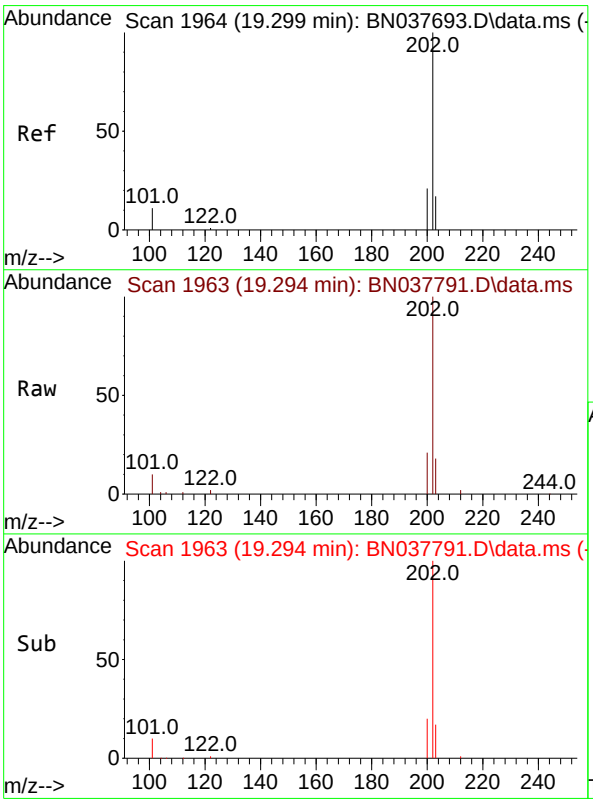
#27
Fluoranthene-d10
Concen: 0.300 ng
RT: 19.262 min Scan# 1
Delta R.T. -0.009 min
Lab File: BN037791.D
Acq: 18 Sep 2025 23:40

Instrument :
BNA_N
ClientSampleId :
PB169692BS

Tgt Ion:212 Resp: 9242

Ion	Ratio	Lower	Upper
212	100		
106	15.4	12.2	18.2
104	9.0	6.9	10.3

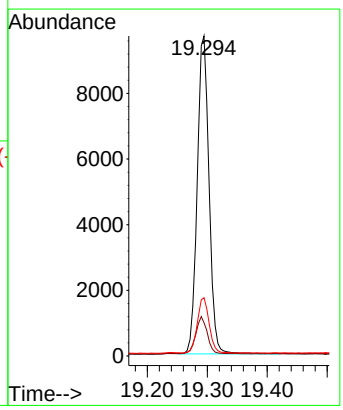


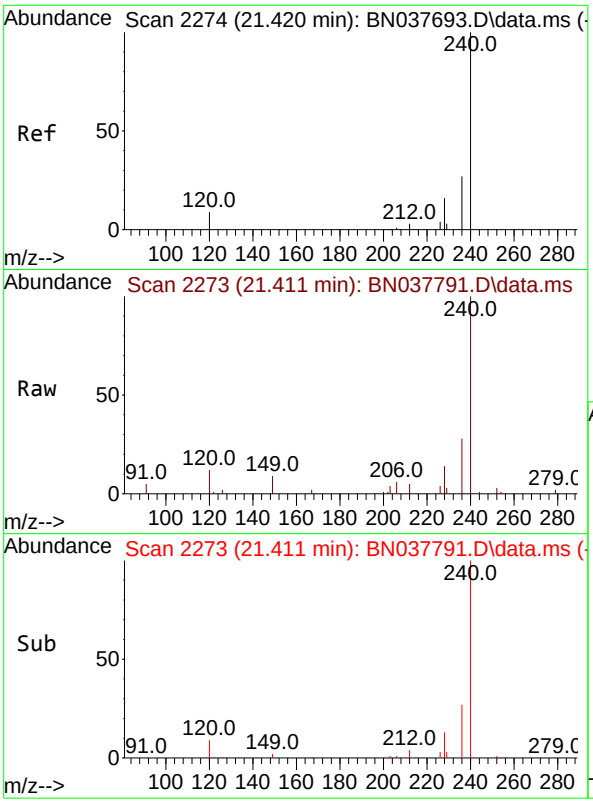


#28
Fluoranthene
Concen: 0.312 ng
RT: 19.294 min Scan# 1963
Delta R.T. -0.005 min
Lab File: BN037791.D
Acq: 18 Sep 2025 23:40

Tgt Ion:202 Resp: 13219

Ion	Ratio	Lower	Upper
202	100		
101	11.1	9.3	13.9
203	17.5	13.7	20.5



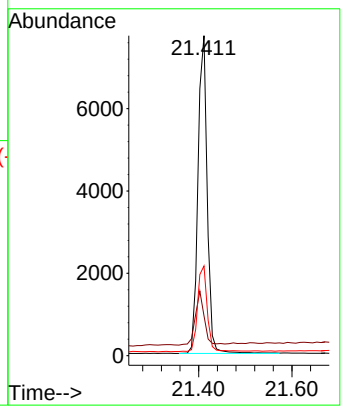


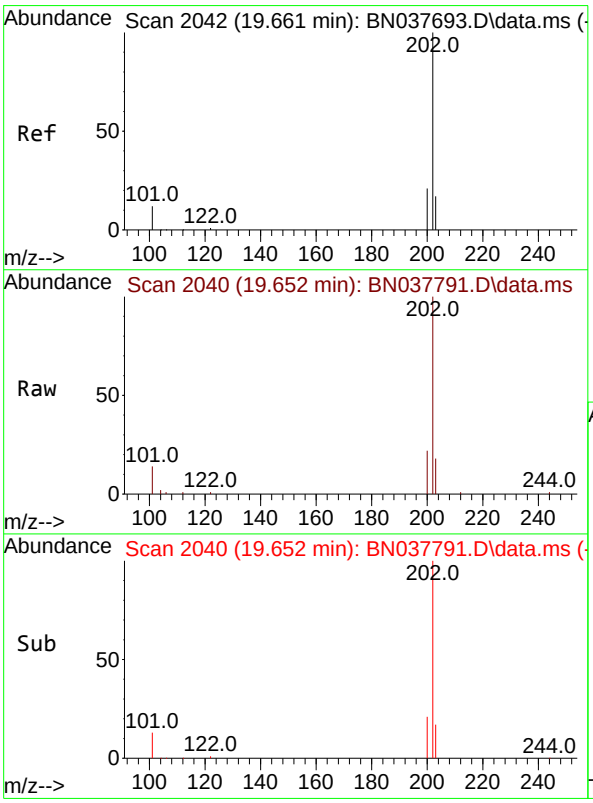
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.411 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN037791.D
Acq: 18 Sep 2025 23:40

Instrument :
BNA_N
ClientSampleId :
PB169692BS

Tgt Ion:240 Resp: 10644

Ion	Ratio	Lower	Upper
240	100		
120	12.5	9.2	13.8
236	28.0	22.6	33.8

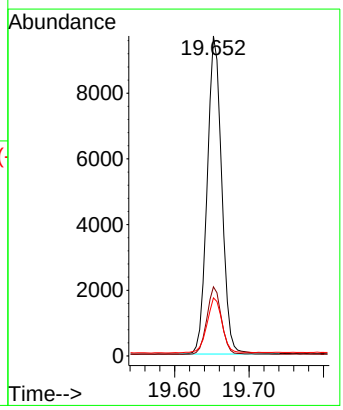


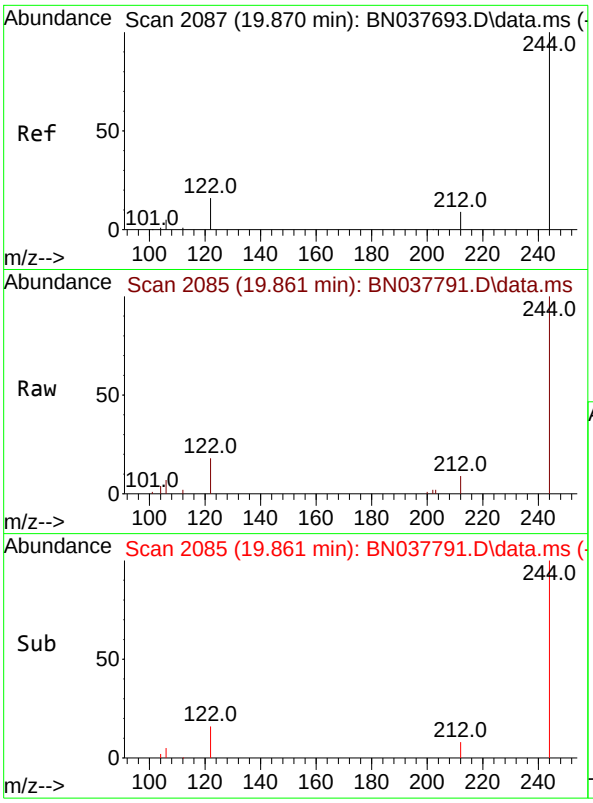


#30
Pyrene
Concen: 0.317 ng
RT: 19.652 min Scan# 2040
Delta R.T. -0.009 min
Lab File: BN037791.D
Acq: 18 Sep 2025 23:40

Tgt Ion:202 Resp: 13196

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.8	25.2
203	18.0	14.3	21.5



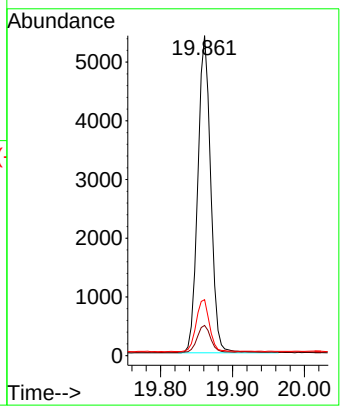


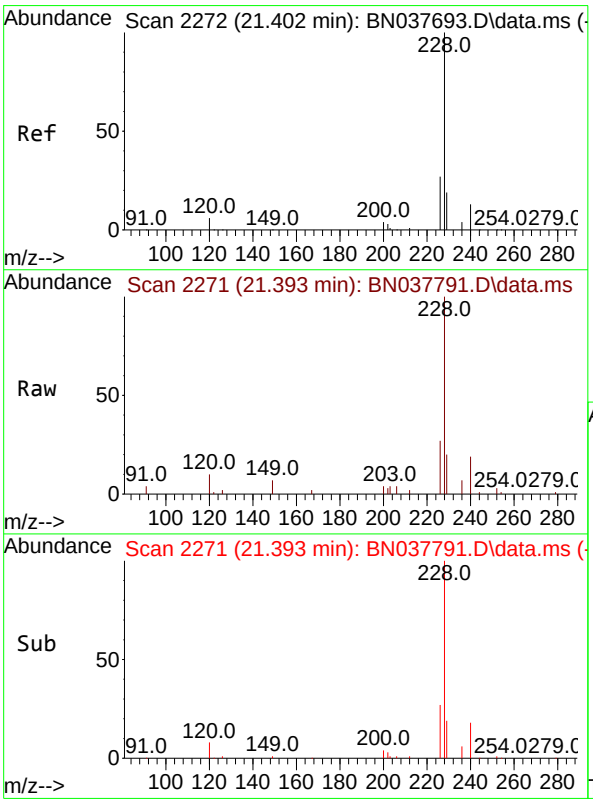
#31
Terphenyl-d14
Concen: 0.313 ng
RT: 19.861 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037791.D
Acq: 18 Sep 2025 23:40

Instrument :
BNA_N
ClientSampleId :
PB169692BS

Tgt Ion:244 Resp: 6760

Ion	Ratio	Lower	Upper
244	100		
212	9.4	7.5	11.3
122	17.5	13.2	19.8

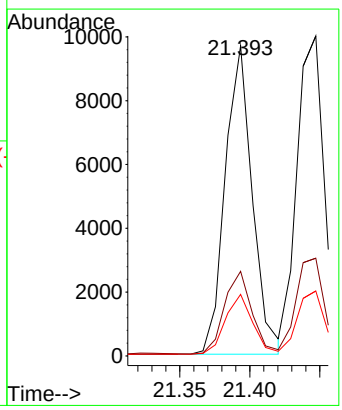


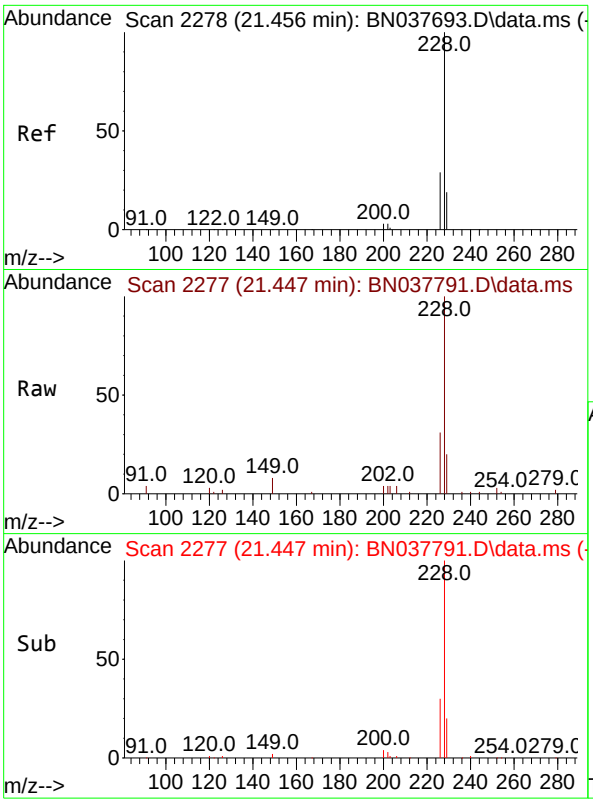


#32
Benzo(a)anthracene
Concen: 0.351 ng
RT: 21.393 min Scan# 2271
Delta R.T. -0.009 min
Lab File: BN037791.D
Acq: 18 Sep 2025 23:40

Tgt Ion:228 Resp: 13045

Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.2	33.2
229	19.9	15.8	23.6



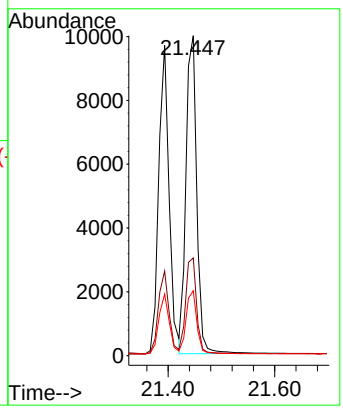


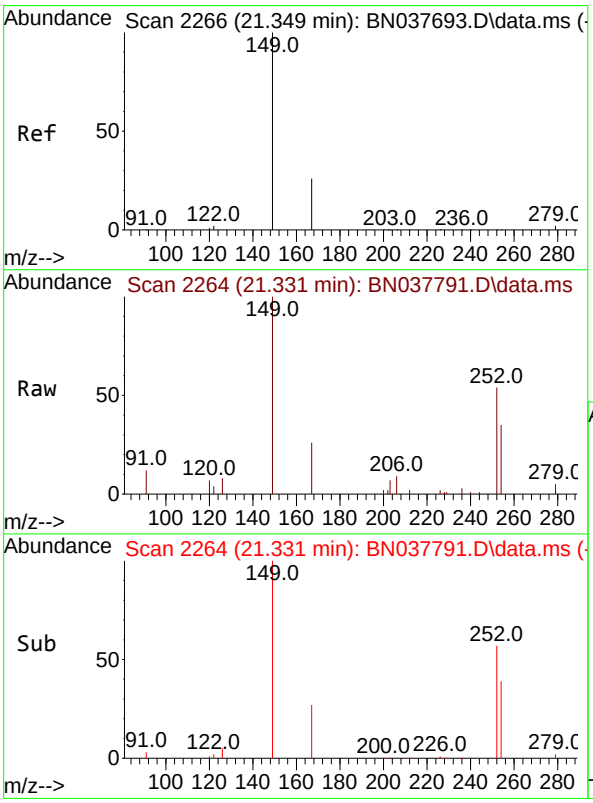
#33
Chrysene
Concen: 0.351 ng
RT: 21.447 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037791.D
Acq: 18 Sep 2025 23:40

Instrument :
BNA_N
ClientSampleId :
PB169692BS

Tgt Ion:228 Resp: 13977

Ion	Ratio	Lower	Upper
228	100		
226	30.6	23.5	35.3
229	20.3	15.9	23.9

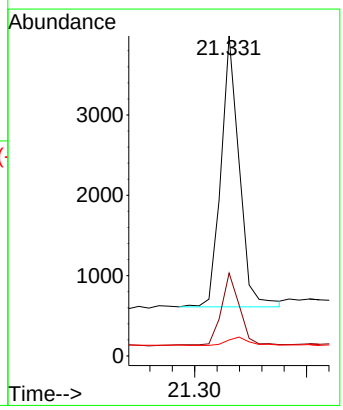


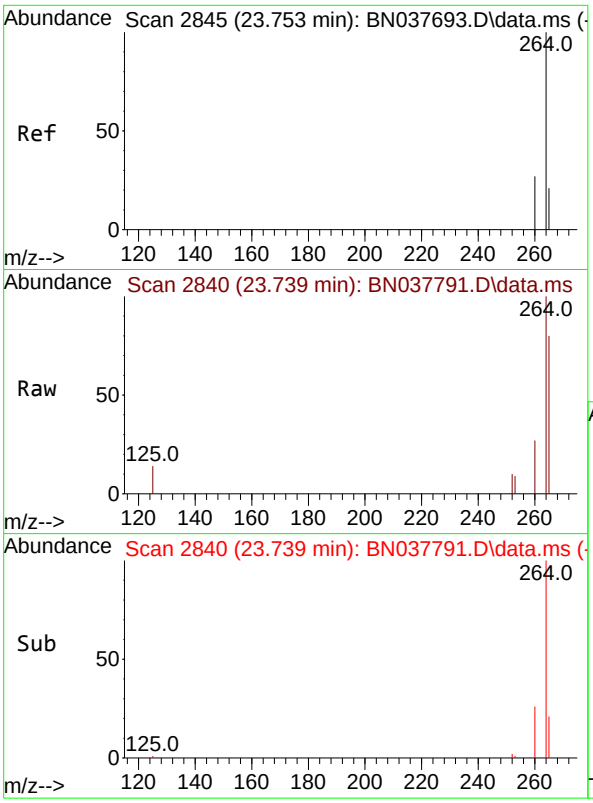


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.349 ng
RT: 21.331 min Scan# 2264
Delta R.T. -0.018 min
Lab File: BN037791.D
Acq: 18 Sep 2025 23:40

Tgt Ion:149 Resp: 3840

Ion	Ratio	Lower	Upper
149	100		
167	25.6	20.8	31.2
279	3.7	3.3	4.9



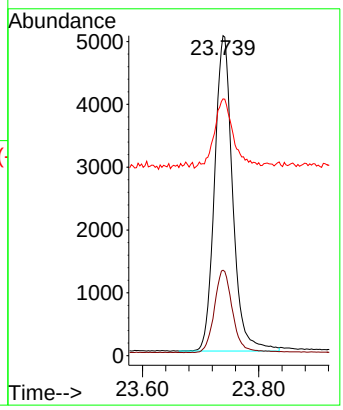


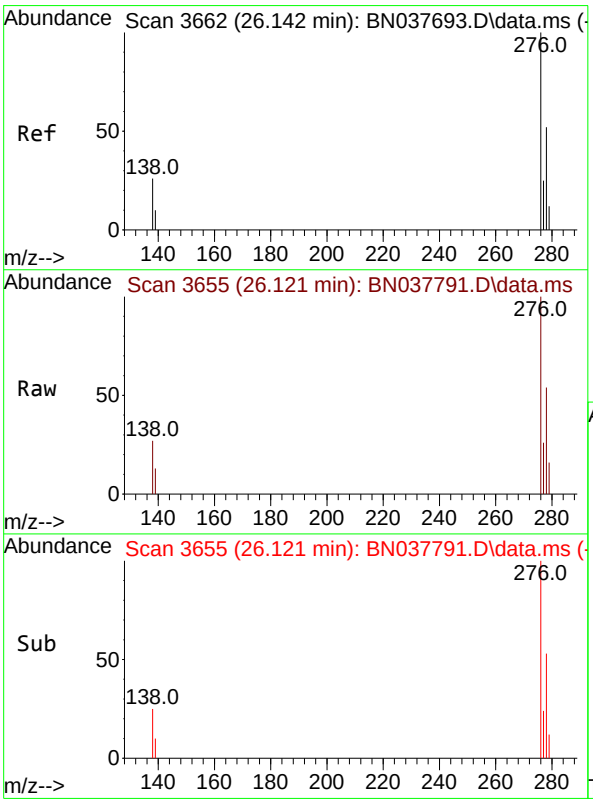
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.739 min Scan# 2
Delta R.T. -0.015 min
Lab File: BN037791.D
Acq: 18 Sep 2025 23:40

Instrument :
BNA_N
ClientSampleId :
PB169692BS

Tgt Ion:264 Resp: 10808

Ion	Ratio	Lower	Upper
264	100		
260	26.7	21.8	32.8
265	80.2	39.4	59.2#

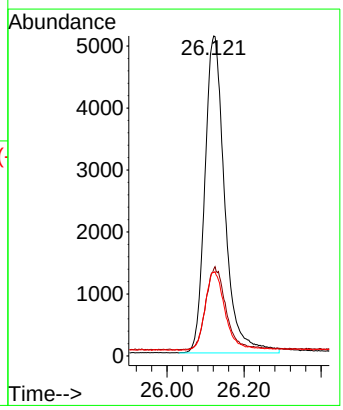


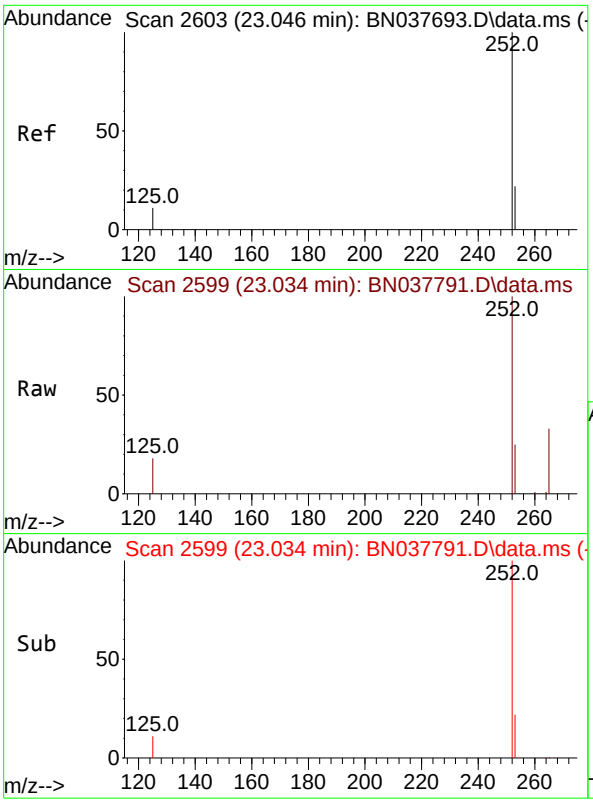


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.402 ng
RT: 26.121 min Scan# 3655
Delta R.T. -0.020 min
Lab File: BN037791.D
Acq: 18 Sep 2025 23:40

Tgt Ion:276 Resp: 18272

Ion	Ratio	Lower	Upper
276	100		
138	26.0	21.9	32.9
277	24.4	20.1	30.1



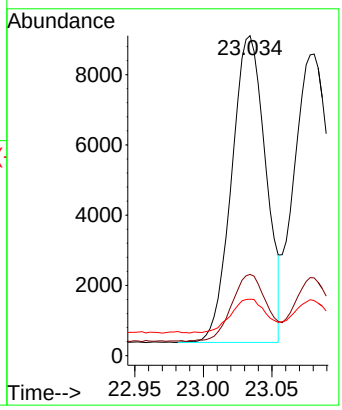


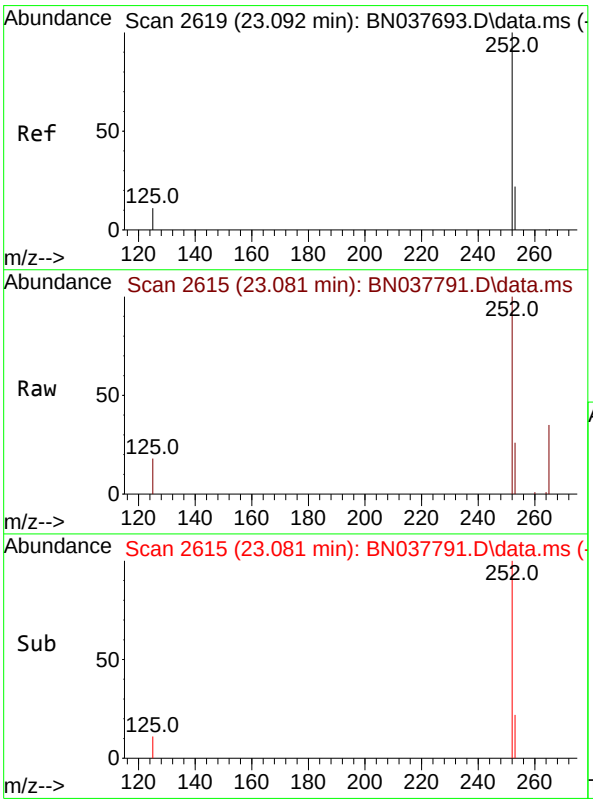
#37
Benzo(b)fluoranthene
Concen: 0.354 ng
RT: 23.034 min Scan# 2
Delta R.T. -0.012 min
Lab File: BN037791.D
Acq: 18 Sep 2025 23:40

Instrument :
BNA_N
ClientSampleId :
PB169692BS

Tgt Ion:252 Resp: 15074

Ion	Ratio	Lower	Upper
252	100		
253	25.4	19.4	29.2
125	17.7	11.2	16.8#

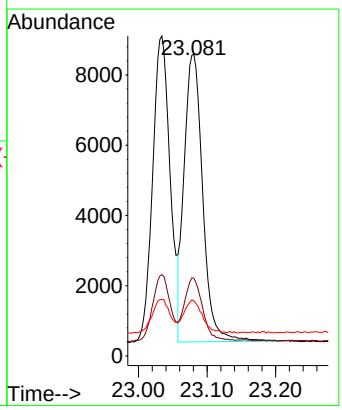


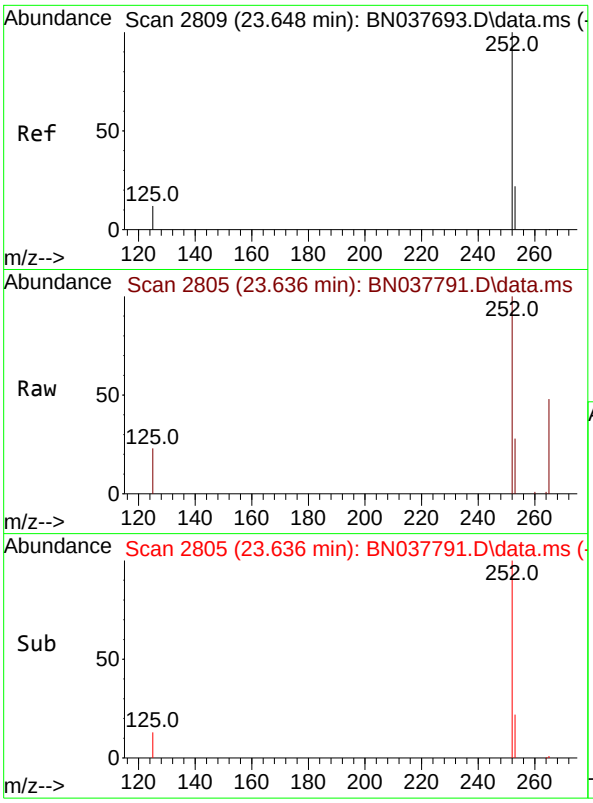


#38
Benzo(k)fluoranthene
Concen: 0.356 ng
RT: 23.081 min Scan# 2615
Delta R.T. -0.012 min
Lab File: BN037791.D
Acq: 18 Sep 2025 23:40

Tgt Ion:252 Resp: 15430

Ion	Ratio	Lower	Upper
252	100		
253	25.8	19.4	29.0
125	18.2	11.6	17.4#



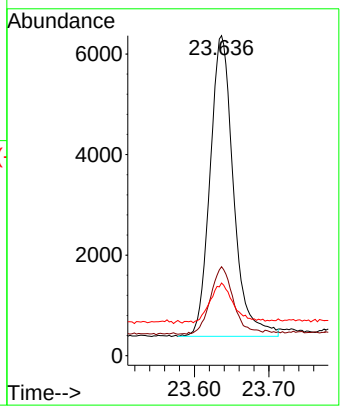


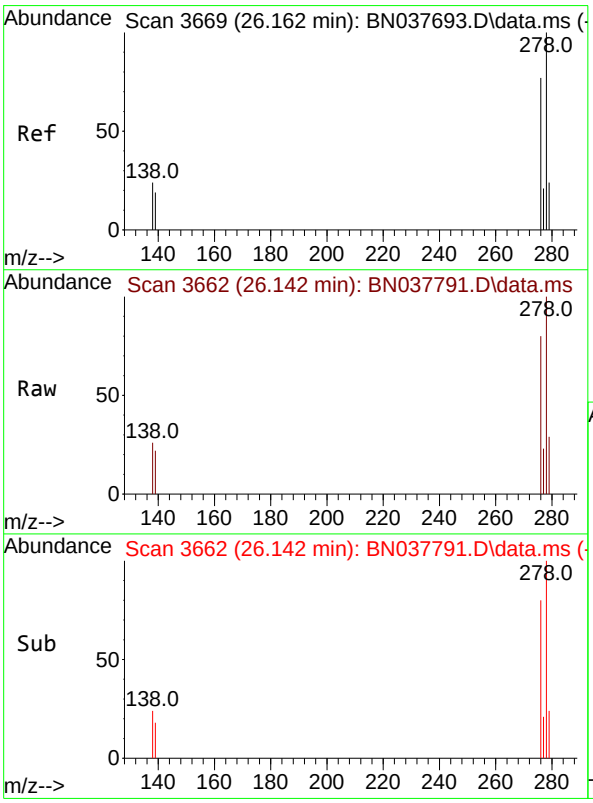
#39
Benzo(a)pyrene
Concen: 0.383 ng
RT: 23.636 min Scan# 2
Delta R.T. -0.012 min
Lab File: BN037791.D
Acq: 18 Sep 2025 23:40

Instrument :
BNA_N
ClientSampleId :
PB169692BS

Tgt Ion:252 Resp: 13066

Ion	Ratio	Lower	Upper
252	100		
253	27.8	20.8	31.2
125	22.7	13.9	20.9#

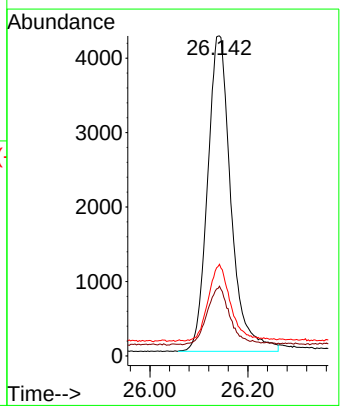


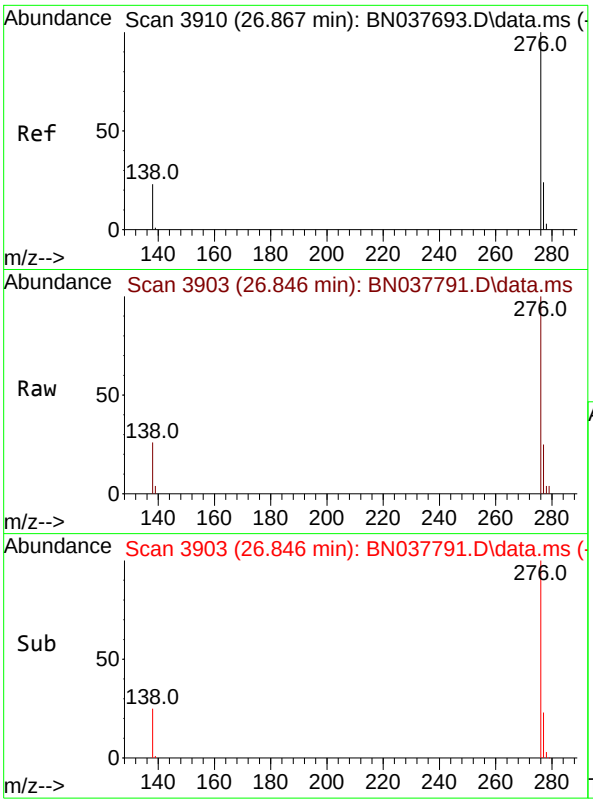


#40
Dibenzo(a,h)anthracene
Concen: 0.387 ng
RT: 26.142 min Scan# 3662
Delta R.T. -0.020 min
Lab File: BN037791.D
Acq: 18 Sep 2025 23:40

Tgt Ion:278 Resp: 14014

Ion	Ratio	Lower	Upper
278	100		
139	21.8	17.8	26.6
279	28.6	22.0	33.0



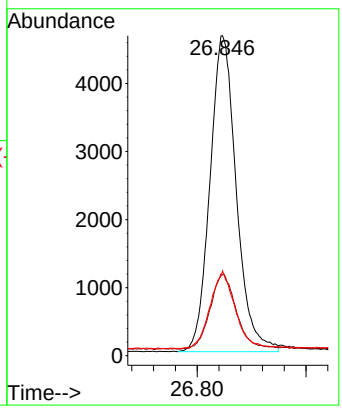


#41
Benzo(g,h,i)perylene
Concen: 0.384 ng
RT: 26.846 min Scan# 3
Delta R.T. -0.020 min
Lab File: BN037791.D
Acq: 18 Sep 2025 23:40

Instrument :
BNA_N
ClientSampleId :
PB169692BS

Tgt Ion:276 Resp: 15625

Ion	Ratio	Lower	Upper
276	100		
277	25.2	20.6	31.0
138	26.5	20.2	30.2



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:	PB169693BS	SDG No.:	Q3095
Lab Sample ID:	PB169693BS	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
BN037792.D	1	09/15/25 12:00	09/19/25 00:16	PB169693

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.31		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	0.29		30 - 150		73%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.36		55 - 111		90%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.37		53 - 106		92%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.32		58 - 132		81%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7440	7.833				
1146-65-2	Naphthalene-d8	19400	10.637				
15067-26-2	Acenaphthene-d10	8150	14.484				
1517-22-2	Phenanthrene-d10	12400	17.235				
1719-03-5	Chrysene-d12	10100	21.411				
1520-96-3	Perylene-d12	10200	23.738				

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\BN091825\
Data File : BN037792.D
Acq On : 19 Sep 2025 00:16
Operator : RC/JU
Sample : PB169693BS
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 19 04:12:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
PB169693BS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 09/19/2025
Supervised By :mohammad ahmed 09/23/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.833	152	7441	0.400	ng	0.00
7) Naphthalene-d8	10.637	136	19392	0.400	ng	-0.01
13) Acenaphthene-d10	14.484	164	8149	0.400	ng	-0.01
19) Phenanthrene-d10	17.235	188	12386	0.400	ng	# 0.00
29) Chrysene-d12	21.411	240	10095	0.400	ng	0.00
35) Perylene-d12	23.738	264	10200	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.399	112	5555	0.325	ng	0.00
5) Phenol-d6	6.980	99	6563	0.296	ng	0.00
8) Nitrobenzene-d5	8.982	82	5088	0.359	ng	-0.01
11) 2-Methylnaphthalene-d10	12.232	152	7932	0.309	ng	-0.01
14) 2,4,6-Tribromophenol	15.982	330	674	0.317	ng	0.00
15) 2-Fluorobiphenyl	13.105	172	12492	0.367	ng	-0.01
27) Fluoranthene-d10	19.262	212	9050	0.291	ng	0.00
31) Terphenyl-d14	19.861	244	6591	0.322	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.304	88	2366	0.305	ng	# 85
3) n-Nitrosodimethylamine	3.600	42	3300	0.326	ng	# 90
6) bis(2-Chloroethyl)ether	7.248	93	6941	0.351	ng	100
9) Naphthalene	10.680	128	17810	0.336	ng	99
10) Hexachlorobutadiene	10.989	225	3379	0.352	ng	# 99
12) 2-Methylnaphthalene	12.303	142	9820	0.299	ng	99
16) Acenaphthylene	14.206	152	13377	0.358	ng	99
17) Acenaphthene	14.548	154	8509	0.337	ng	99
18) Fluorene	15.535	166	9452	0.309	ng	99
20) 4,6-Dinitro-2-methylph...	15.609	198	305	0.266	ng	# 88
21) 4-Bromophenyl-phenylether	16.428	248	2895	0.358	ng	# 92
22) Hexachlorobenzene	16.540	284	3601	0.388	ng	98
23) Atrazine	16.689	200	1710	0.333	ng	# 94
24) Pentachlorophenol	16.888	266	1388	0.515	ng	98
25) Phenanthrene	17.273	178	13505	0.346	ng	100
26) Anthracene	17.359	178	11748	0.340	ng	99
28) Fluoranthene	19.294	202	12912	0.302	ng	100
30) Pyrene	19.652	202	12854	0.325	ng	100
32) Benzo(a)anthracene	21.393	228	12540	0.356	ng	100
33) Chrysene	21.447	228	13567	0.359	ng	100
34) Bis(2-ethylhexyl)phtha...	21.331	149	3708	0.355	ng	98
36) Indeno(1,2,3-cd)pyrene	26.118	276	17423	0.407	ng	99
37) Benzo(b)fluoranthene	23.034	252	14955	0.372	ng	# 96
38) Benzo(k)fluoranthene	23.081	252	14241m	0.348	ng	
39) Benzo(a)pyrene	23.633	252	12714	0.395	ng	# 94
40) Dibenzo(a,h)anthracene	26.142	278	13475	0.394	ng	99
41) Benzo(g,h,i)perylene	26.843	276	15272	0.398	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091825\
Data File : BN037792.D
Acq On : 19 Sep 2025 00:16
Operator : RC/JU
Sample : PB169693BS
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 19 04:12:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
PB169693BS

Manual Integrations APPROVED

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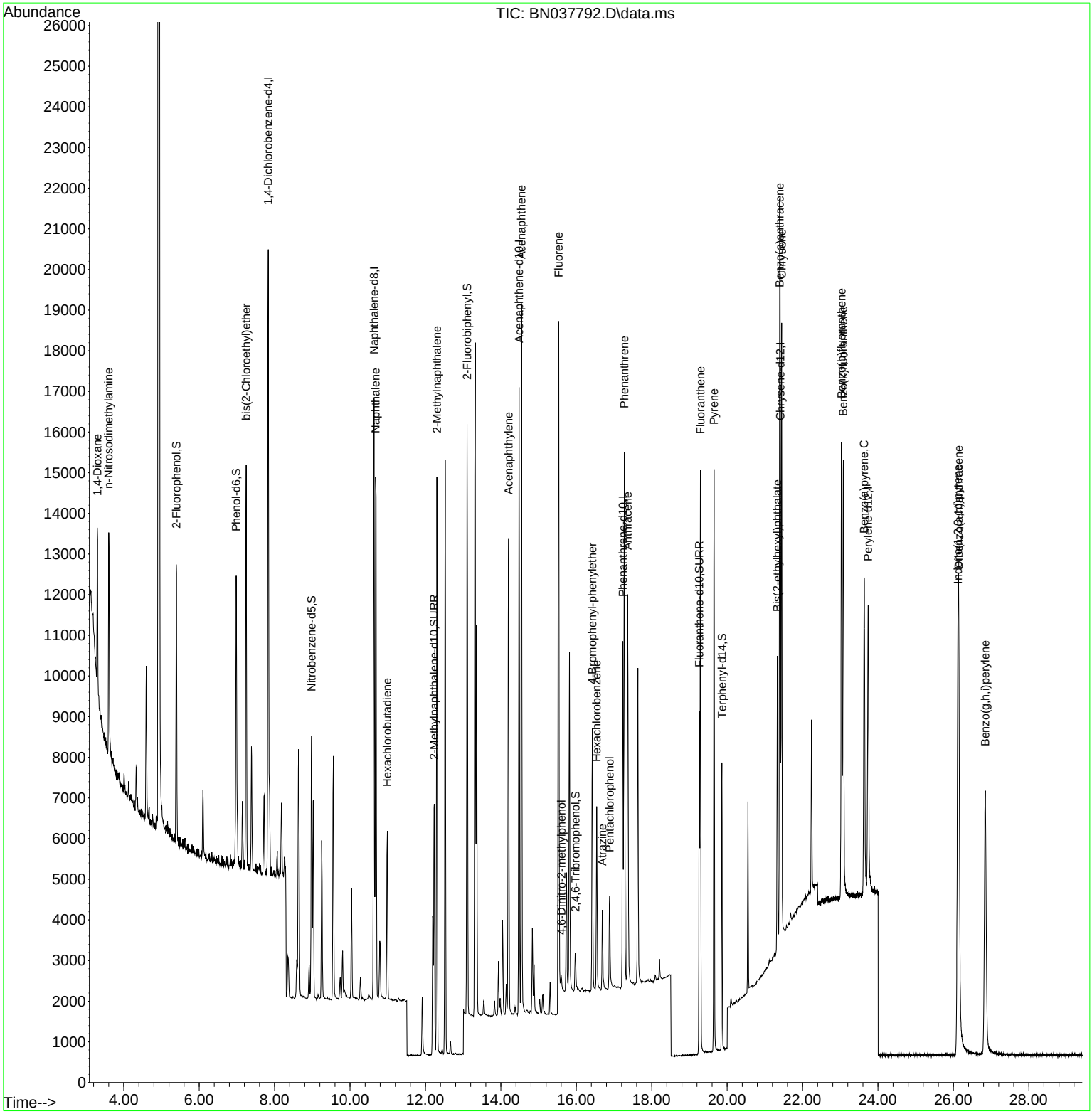
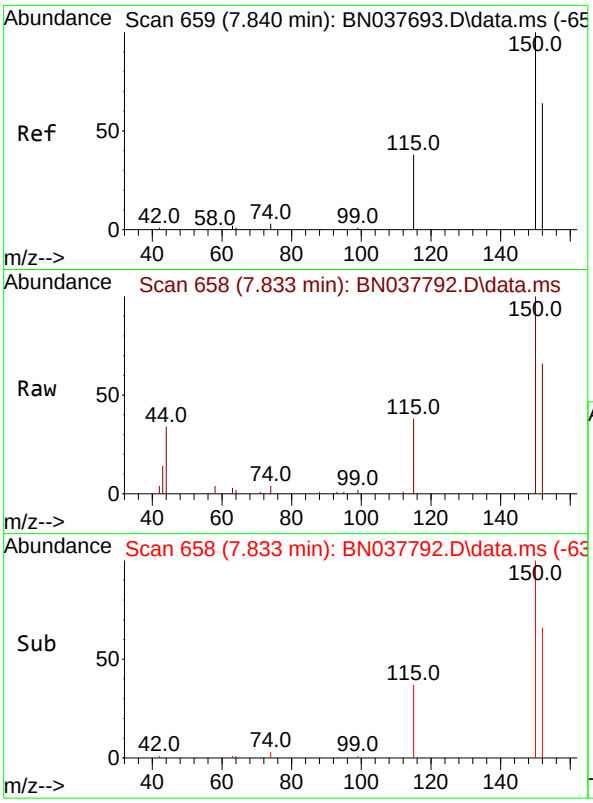
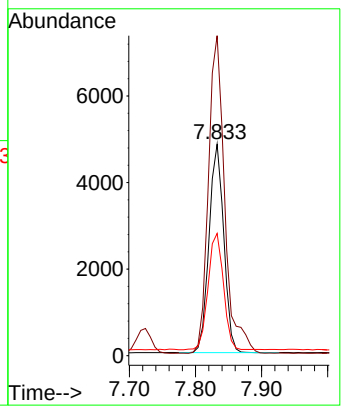




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.833 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Tgt Ion:152 Resp: 744

Ion	Ratio	Lower	Upper
152	100		
150	151.3	124.5	186.7
115	57.8	49.2	73.8



Instrument :
BNA_N
ClientSampleId :
PB169693BS

Manual Integrations
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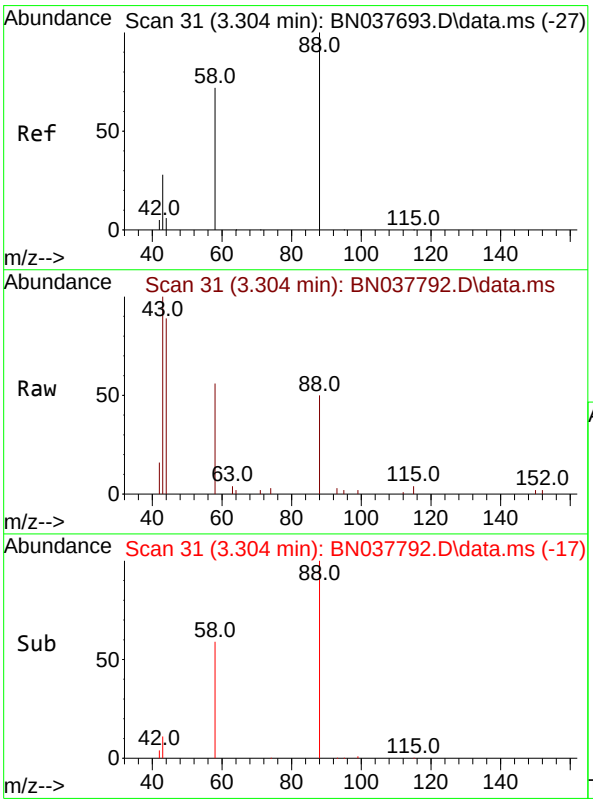
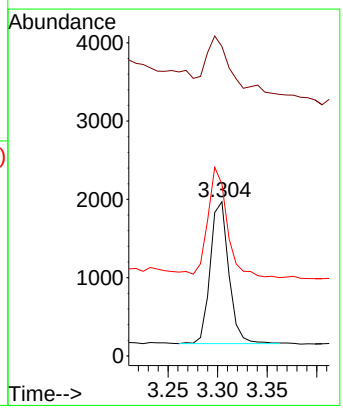
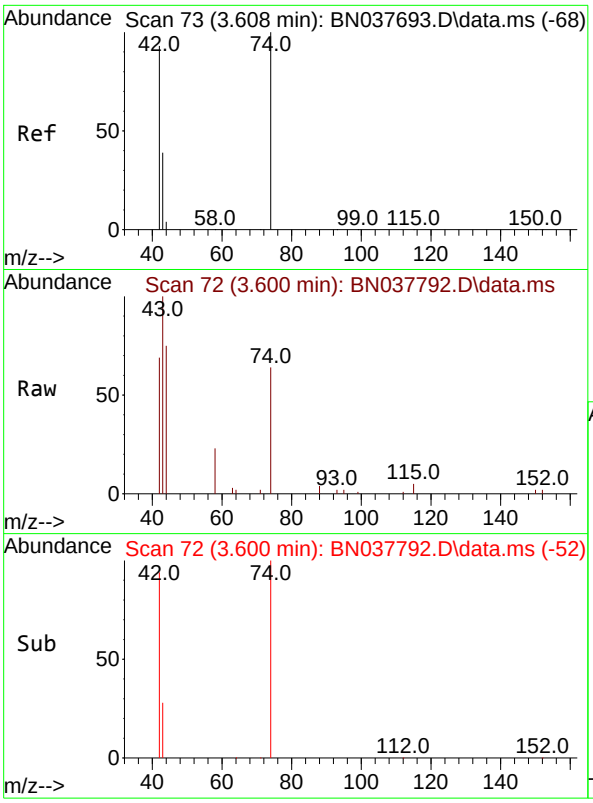


#2
1,4-Dioxane
Concen: 0.305 ng
RT: 3.304 min Scan# 31
Delta R.T. -0.000 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Tgt Ion: 88 Resp: 2366

Ion	Ratio	Lower	Upper
88	100		
43	56.6	26.8	40.2#
58	80.3	61.9	92.9

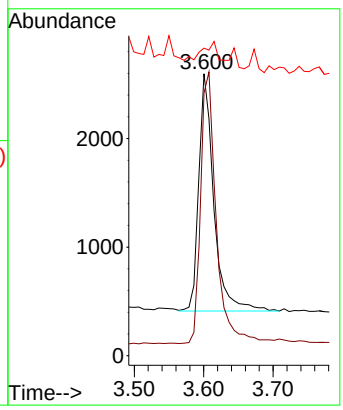




#3
n-Nitrosodimethylamine
Concen: 0.326 ng
RT: 3.600 min Scan# 7
Delta R.T. -0.007 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

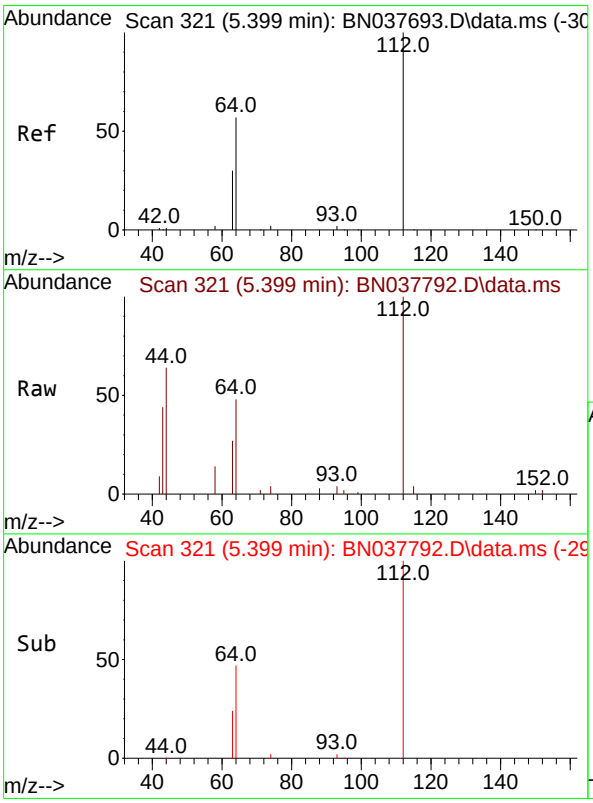
Tgt Ion: 42 Resp: 330

Ion	Ratio	Lower	Upper
42	100		
74	118.9	86.0	129.0
44	8.3	8.4	12.6



Instrument :
BNA_N
ClientSampleId :
PB169693BS

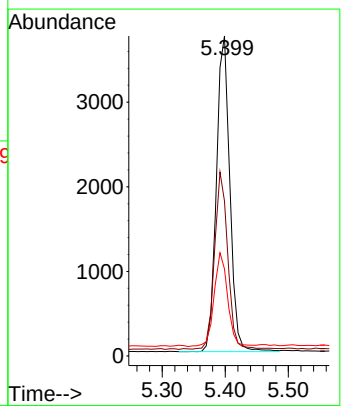
Manual Integrations APPROVED
Reviewed By :Rahul Chavli 09/19/2025
Supervised By :mohammad ahmed 09/23/2025

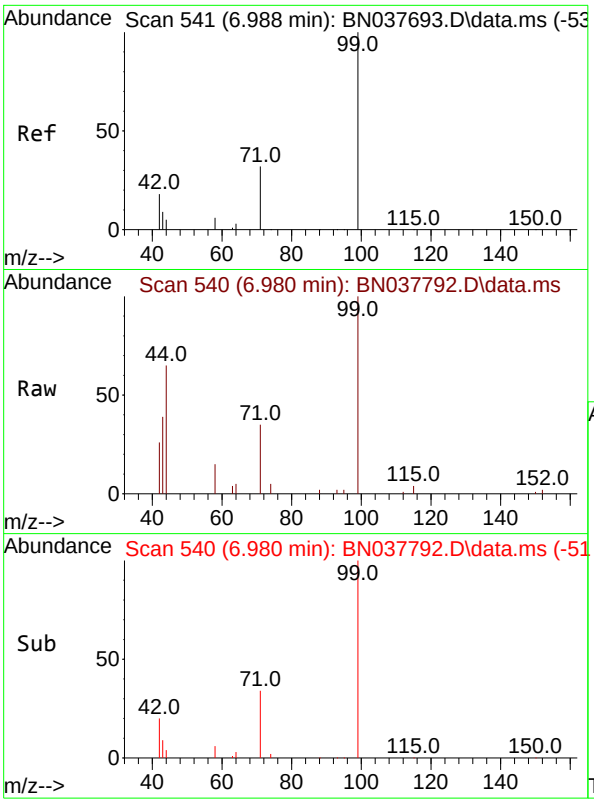


#4
2-Fluorophenol
Concen: 0.325 ng
RT: 5.399 min Scan# 321
Delta R.T. -0.000 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Tgt Ion:112 Resp: 5555

Ion	Ratio	Lower	Upper
112	100		
64	55.5	44.9	67.3
63	29.6	24.7	37.1

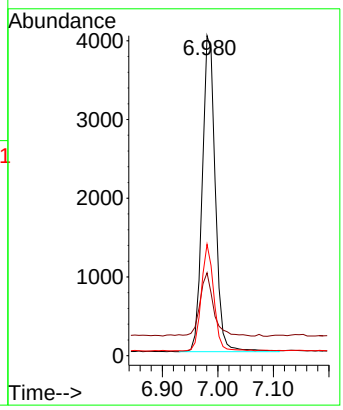




#5
Phenol-d6
Concen: 0.296 ng
RT: 6.980 min Scan# 54
Delta R.T. -0.007 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Tgt Ion: 99 Resp: 656

Ion	Ratio	Lower	Upper
99	100		
42	20.6	16.6	24.8
71	32.2	26.7	40.1



Instrument :
BNA_N
ClientSampleId :
PB169693BS

Manual Integrations
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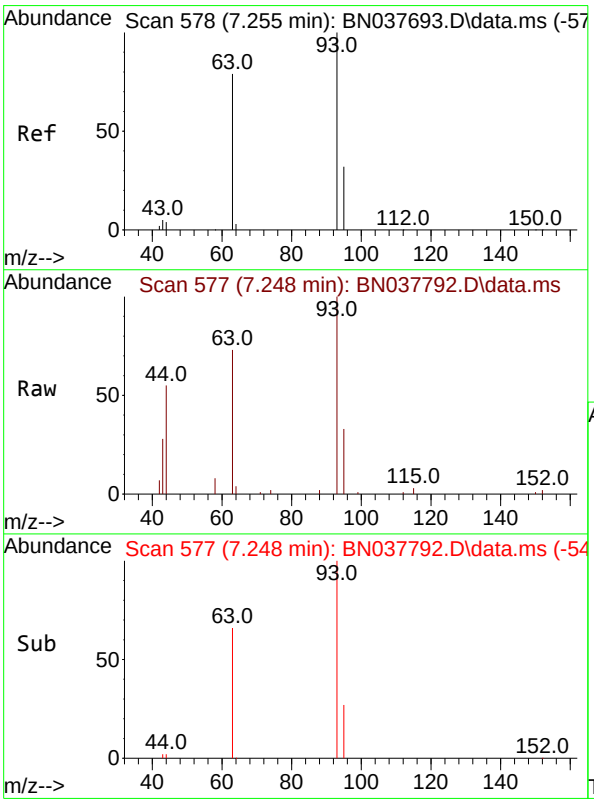
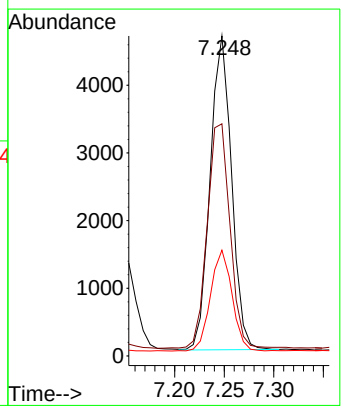
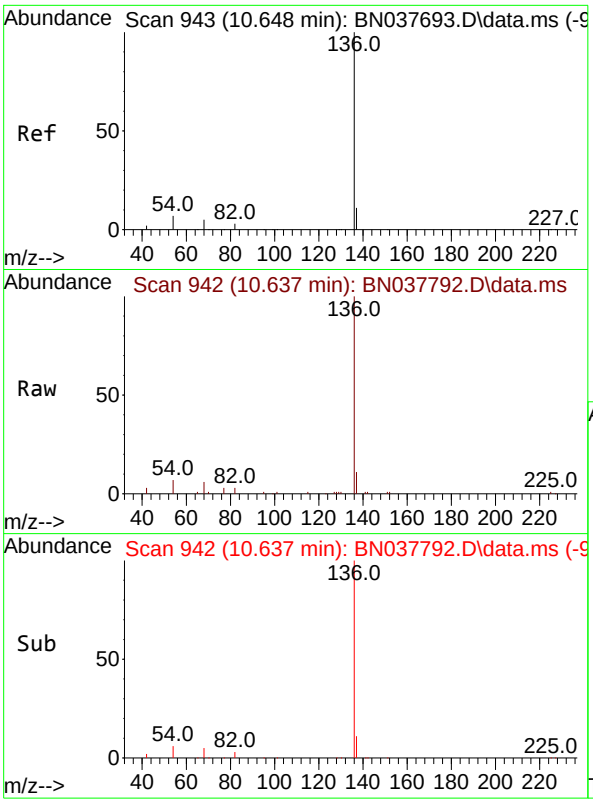


#6
bis(2-Chloroethyl)ether
Concen: 0.351 ng
RT: 7.248 min Scan# 577
Delta R.T. -0.007 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Tgt Ion: 93 Resp: 6941

Ion	Ratio	Lower	Upper
93	100		
63	76.1	60.6	90.8
95	32.6	26.0	39.0

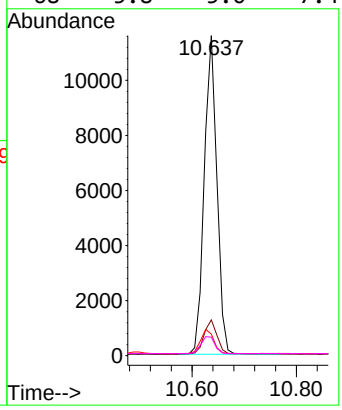




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.637 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Tgt Ion:136 Resp: 1939

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	6.8	6.3	9.5
68	5.8	5.0	7.4



Instrument :
BNA_N
ClientSampleId :
PB169693BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 09/19/2025
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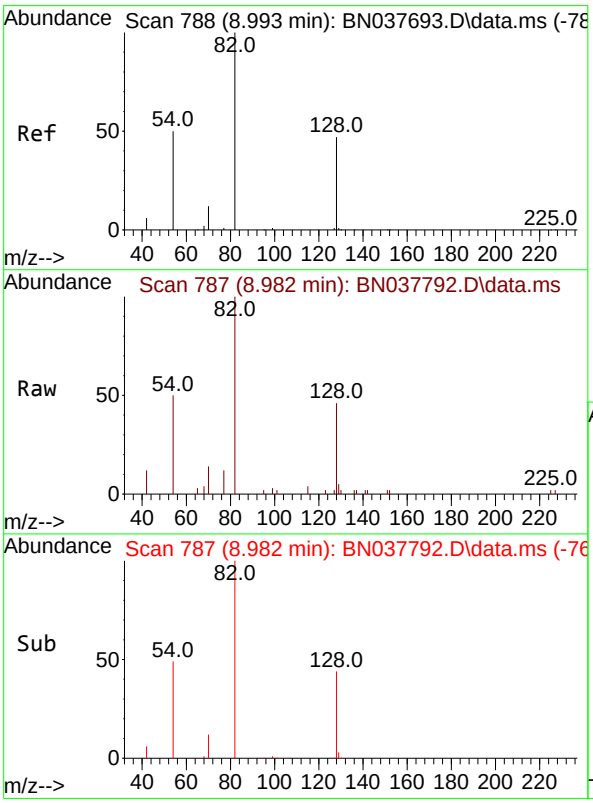
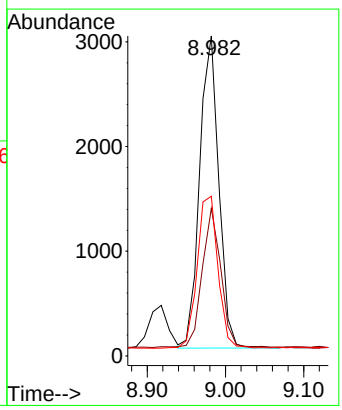
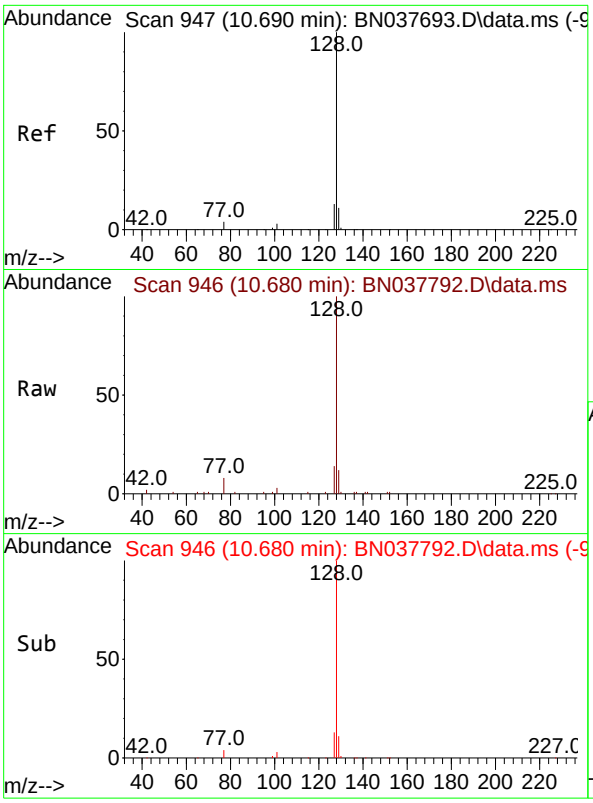


#8
Nitrobenzene-d5
Concen: 0.359 ng
RT: 8.982 min Scan# 787
Delta R.T. -0.011 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Tgt Ion: 82 Resp: 5088

Ion	Ratio	Lower	Upper
82	100		
128	46.1	38.3	57.5
54	49.9	41.4	62.2

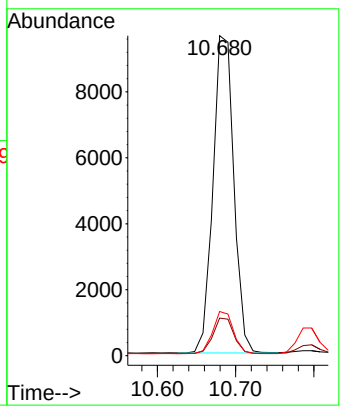




#9
Naphthalene
Concen: 0.336 ng
RT: 10.680 min Scan# 9
Delta R.T. -0.011 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Tgt Ion:128 Resp: 1781

Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.1	13.7
127	13.8	10.9	16.3



Instrument :
BNA_N
ClientSampleId :
PB169693BS

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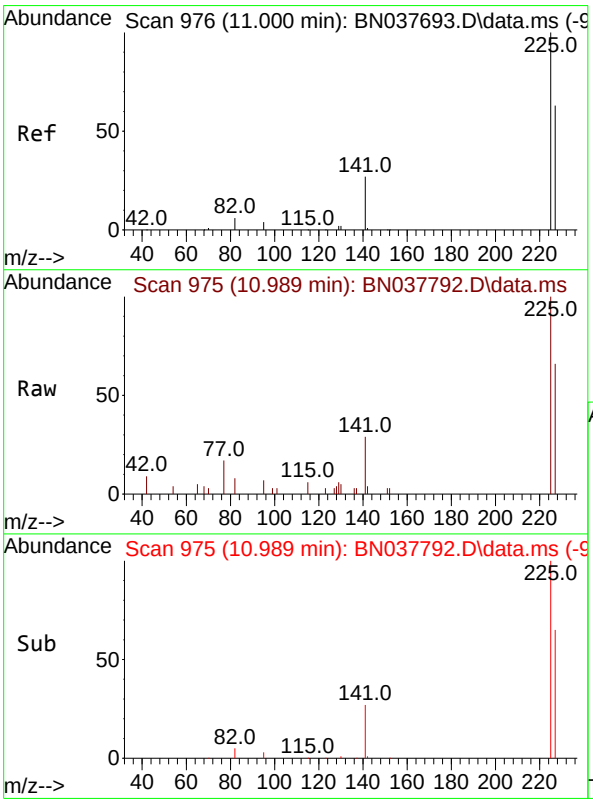
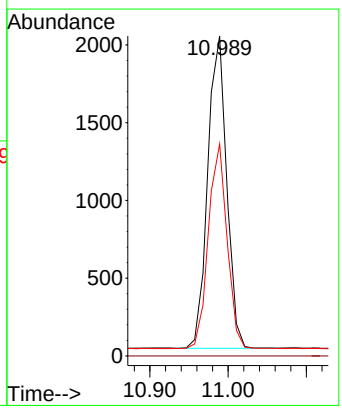
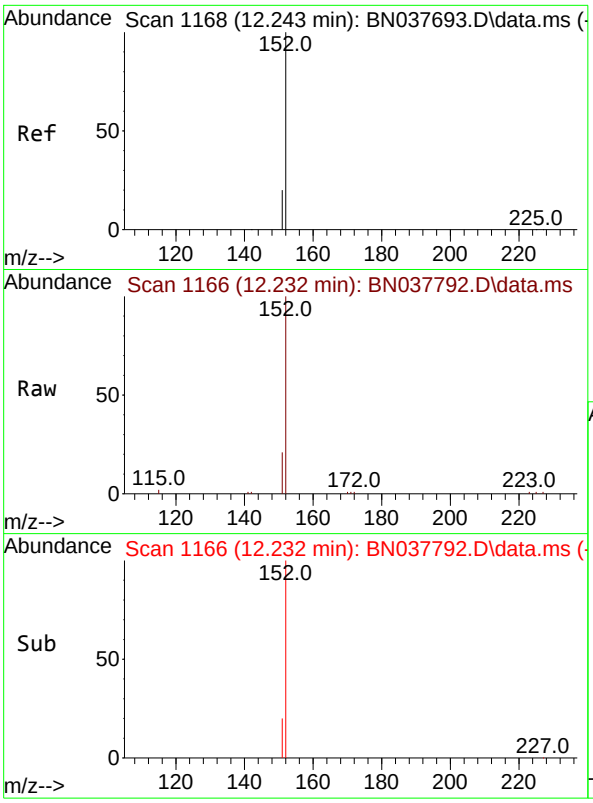


#10
Hexachlorobutadiene
Concen: 0.352 ng
RT: 10.989 min Scan# 975
Delta R.T. -0.011 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Tgt Ion:225 Resp: 3379

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.5	50.9	76.3





#11
2-Methylnaphthalene-d10
Concen: 0.309 ng
RT: 12.232 min Scan# 11
Delta R.T. -0.010 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Tgt Ion:152 Resp: 793

Ion	Ratio	Lower	Upper
152	100		
151	22.6	17.0	25.6

Instrument :
BNA_N
ClientSampleId :
PB169693BS

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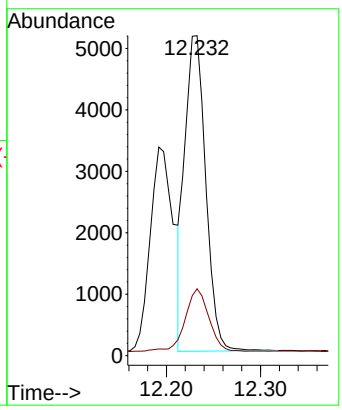
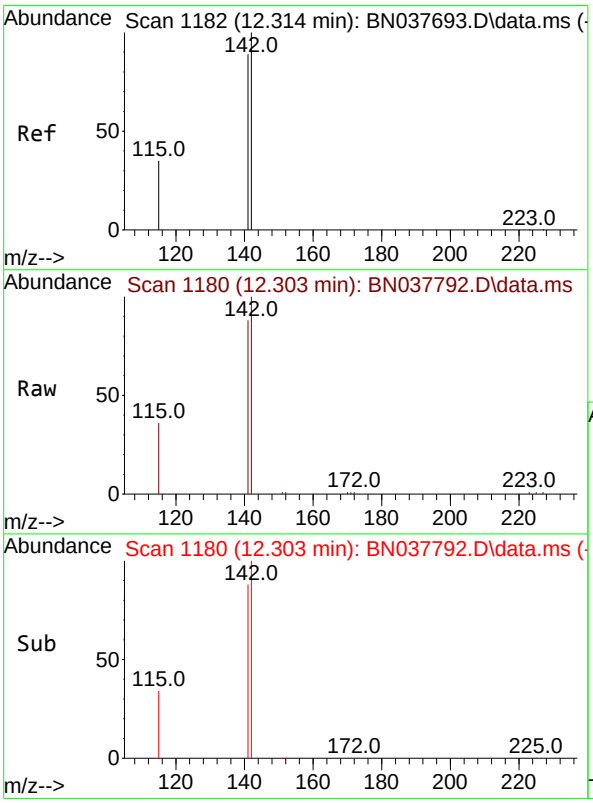
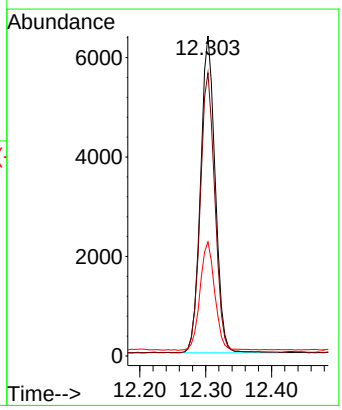


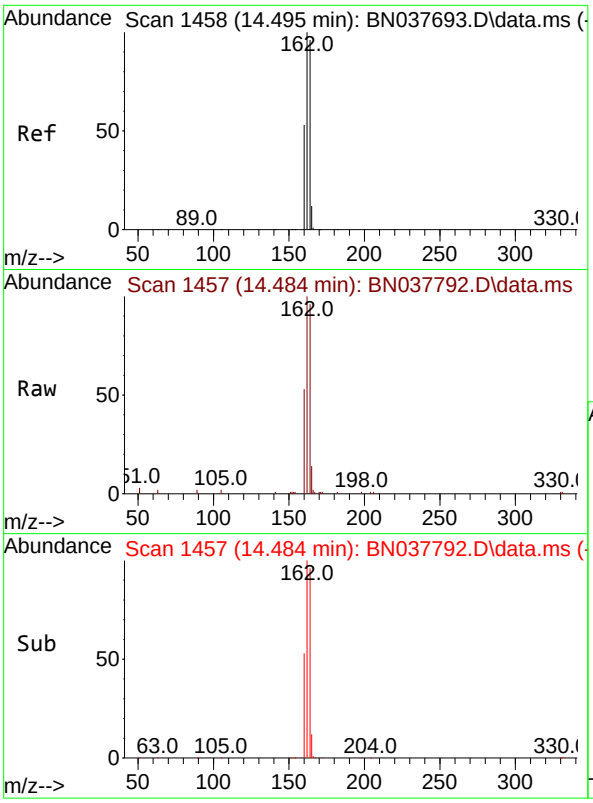


#12
2-Methylnaphthalene
Concen: 0.299 ng
RT: 12.303 min Scan# 1180
Delta R.T. -0.010 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Tgt Ion:142 Resp: 9820

Ion	Ratio	Lower	Upper
142	100		
141	88.5	71.6	107.4
115	35.7	28.6	43.0

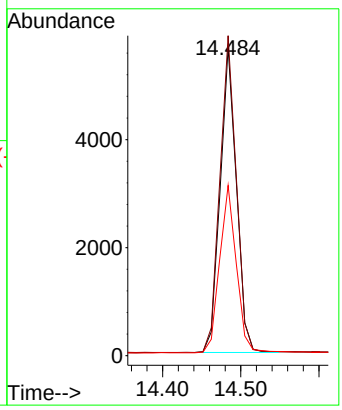




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.484 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Tgt Ion:164 Resp: 814

Ion	Ratio	Lower	Upper
164	100		
162	103.7	83.1	124.7
160	55.2	44.3	66.5



Instrument :
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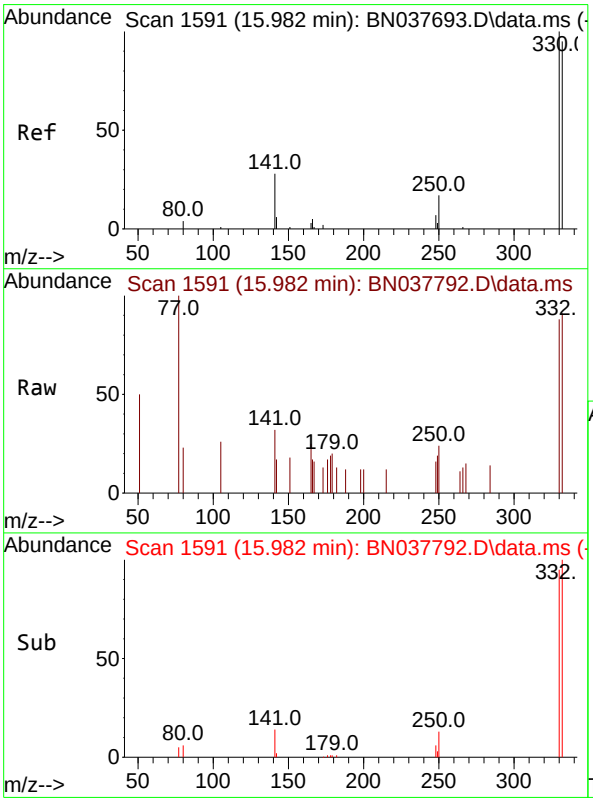
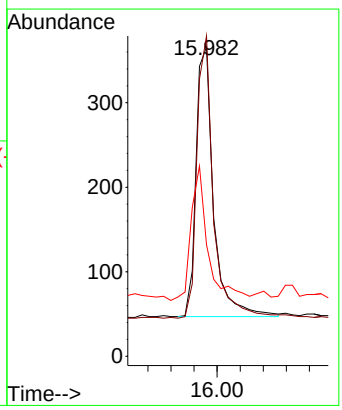
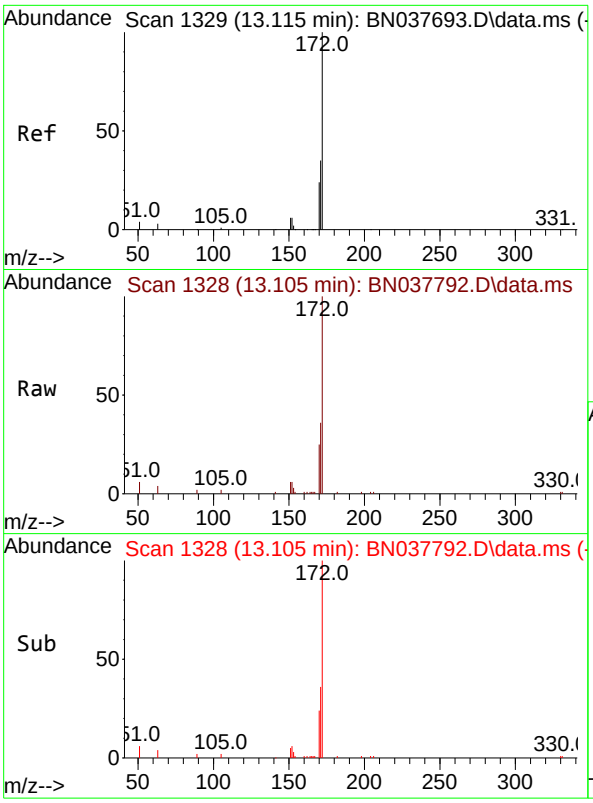


#14
2,4,6-Tribromophenol
Concen: 0.317 ng
RT: 15.982 min Scan# 1591
Delta R.T. -0.000 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Tgt Ion:330 Resp: 674

Ion	Ratio	Lower	Upper
330	100		
332	99.4	75.3	112.9
141	47.6	35.0	52.4

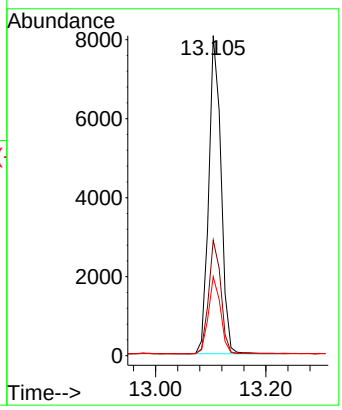




#15
2-Fluorobiphenyl
Concen: 0.367 ng
RT: 13.105 min Scan# 1
Delta R.T. -0.011 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Tgt Ion:172 Resp: 1249

Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.6	43.0
170	24.7	19.8	29.8



Instrument :
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ClientSampleId :
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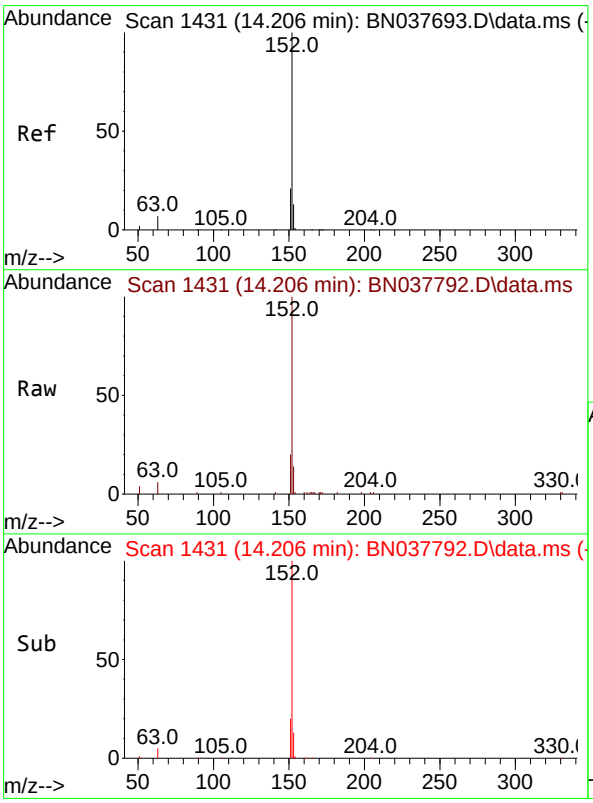
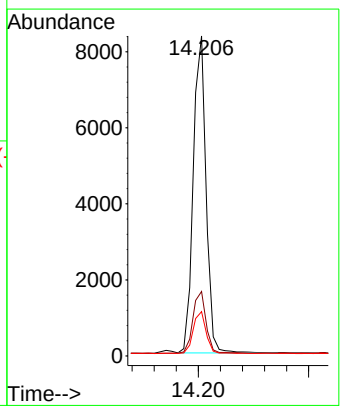
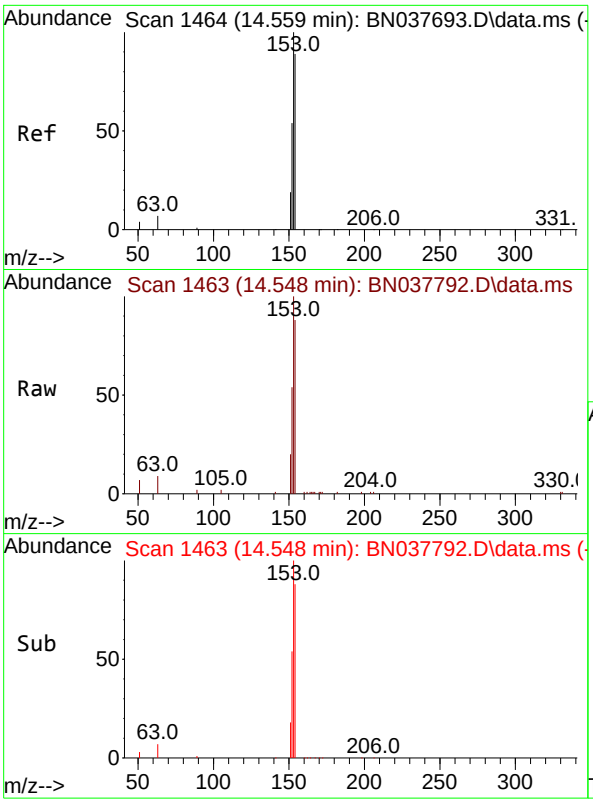


#16
Acenaphthylene
Concen: 0.358 ng
RT: 14.206 min Scan# 1431
Delta R.T. -0.000 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Tgt Ion:152 Resp: 13377

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.2	24.2
153	13.4	10.4	15.6

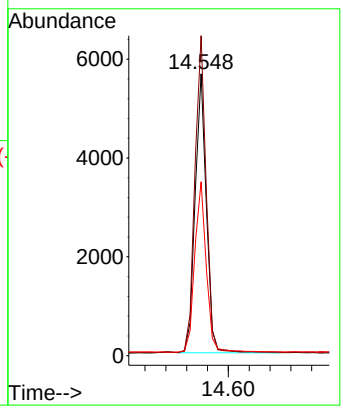




#17
Acenaphthene
Concen: 0.337 ng
RT: 14.548 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Tgt Ion:154 Resp: 850

Ion	Ratio	Lower	Upper
154	100		
153	113.0	89.8	134.8
152	62.9	50.2	75.2



Instrument :
BNA_N
ClientSampleId :
PB169693BS

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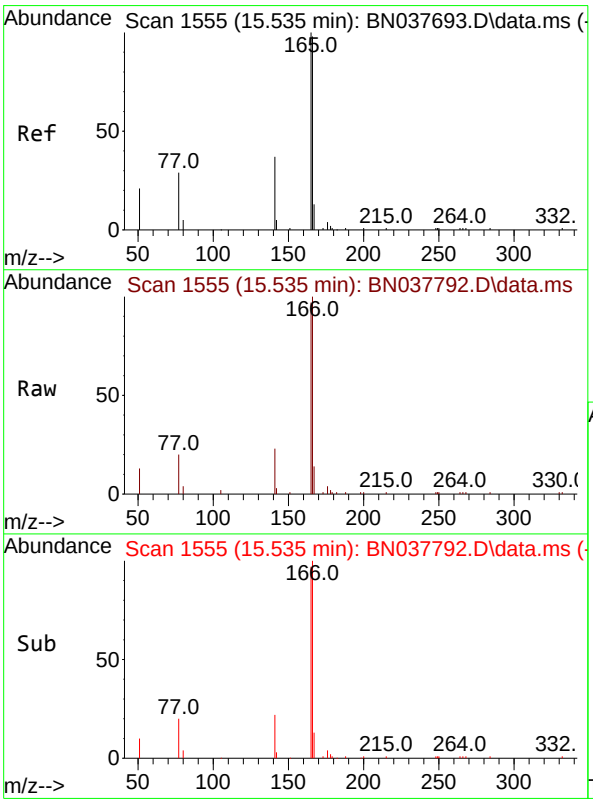
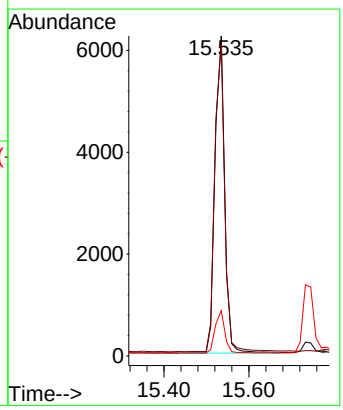
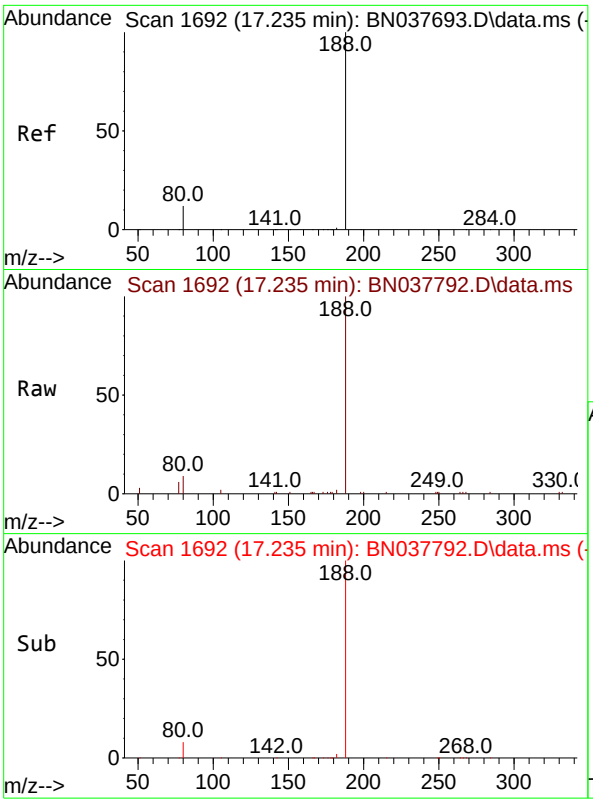


#18
Fluorene
Concen: 0.309 ng
RT: 15.535 min Scan# 1555
Delta R.T. -0.000 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Tgt Ion:166 Resp: 9452

Ion	Ratio	Lower	Upper
166	100		
165	99.9	79.6	119.4
167	13.9	10.6	16.0

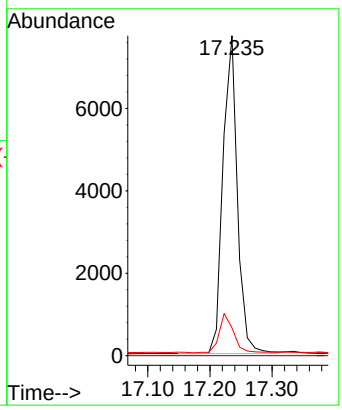




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.235 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Tgt Ion:188 Resp: 1238(

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.7	10.6	15.8#



Instrument :
BNA_N
ClientSampleId :
PB169693BS

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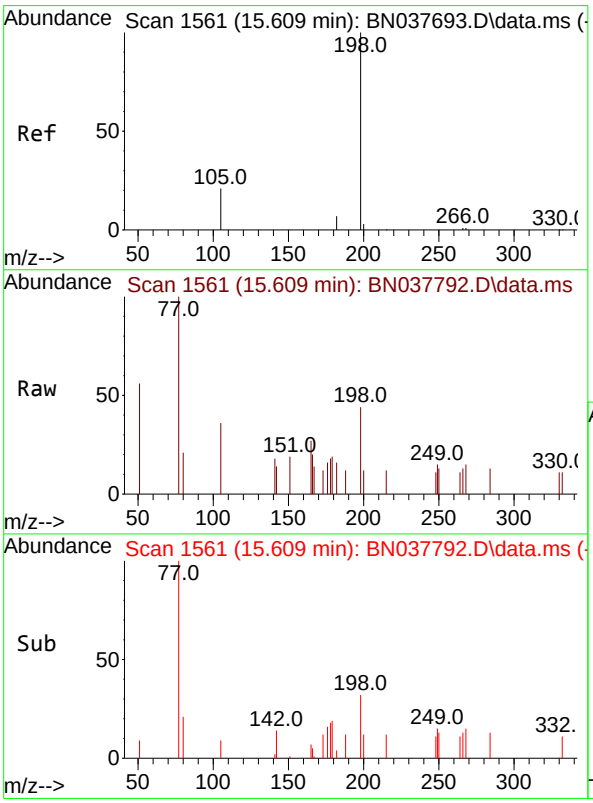
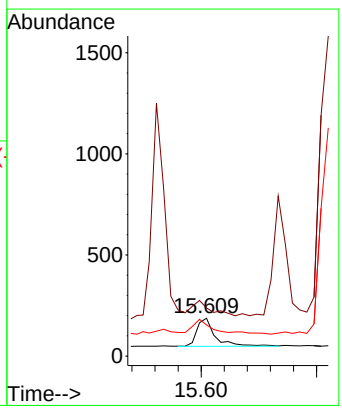
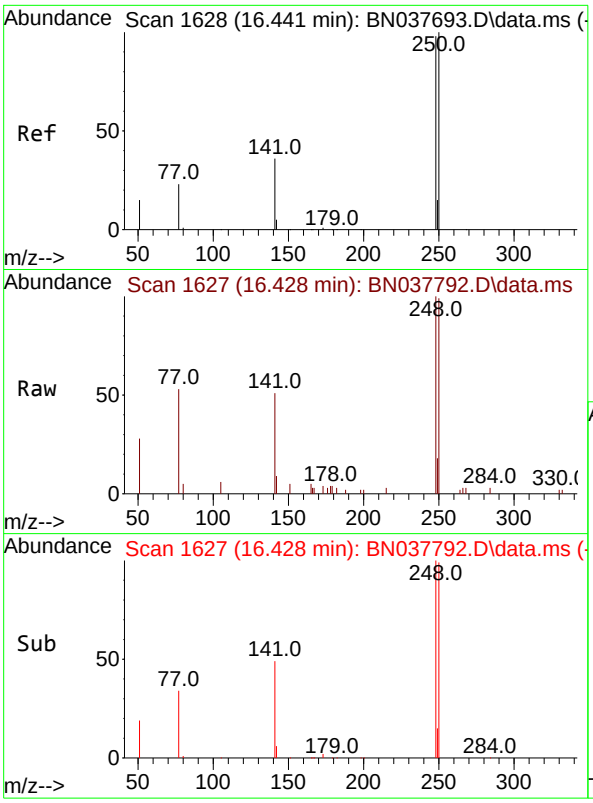


#20
4,6-Dinitro-2-methylphenol
Concen: 0.266 ng
RT: 15.609 min Scan# 1561
Delta R.T. 0.000 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Tgt Ion:198 Resp: 305

Ion	Ratio	Lower	Upper
198	100		
51	127.3	95.1	142.7
105	82.4	53.8	80.6#

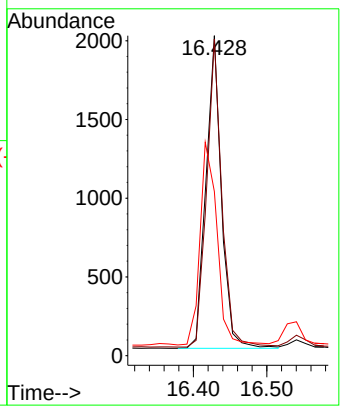




#21
4-Bromophenyl-phenylether
Concen: 0.358 ng
RT: 16.428 min Scan# 1(
Delta R.T. -0.013 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Tgt Ion:248 Resp: 289

Ion	Ratio	Lower	Upper
248	100		
250	99.0	81.5	122.3
141	51.3	30.8	46.2



Instrument :
BNA_N
ClientSampleId :
PB169693BS

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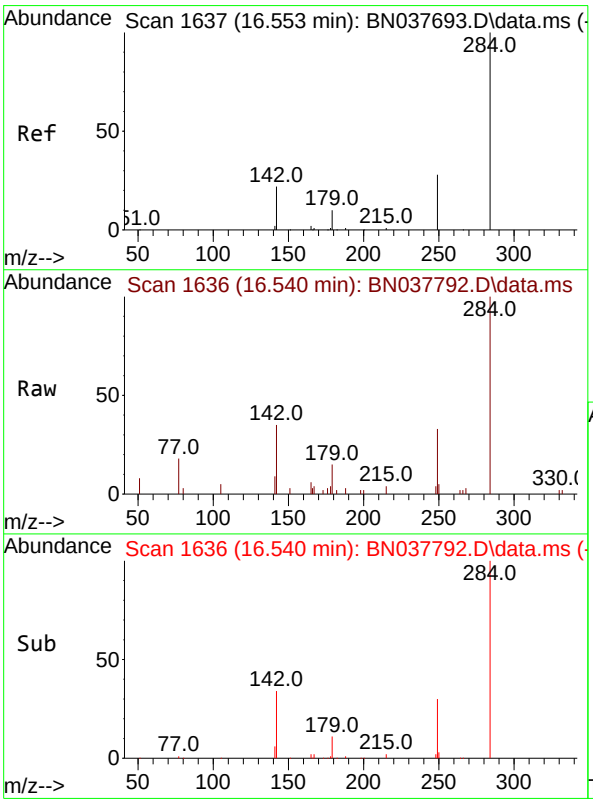
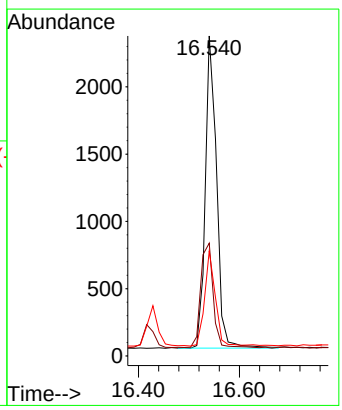
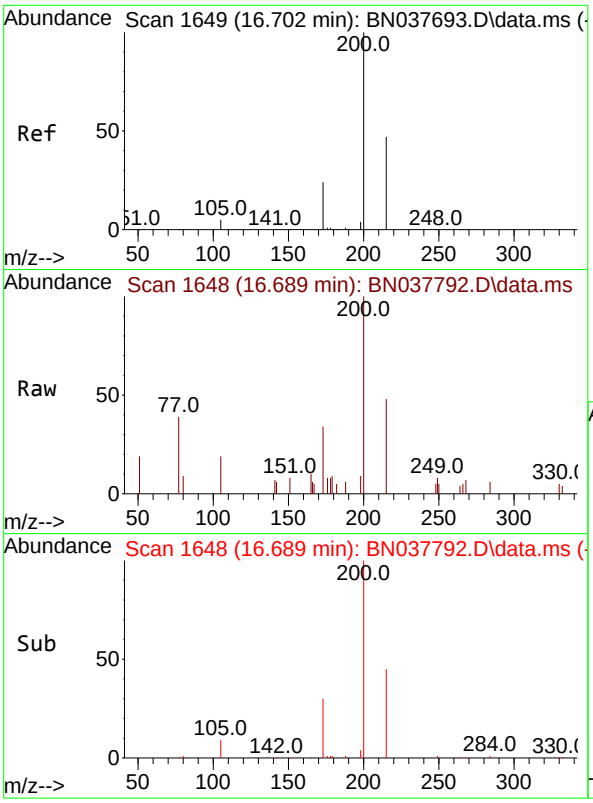


#22
Hexachlorobenzene
Concen: 0.388 ng
RT: 16.540 min Scan# 1636
Delta R.T. -0.013 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Tgt Ion:284 Resp: 3601

Ion	Ratio	Lower	Upper
284	100		
142	37.9	30.9	46.3
249	28.9	24.8	37.2

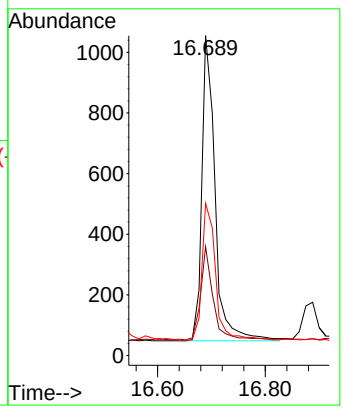




#23
Atrazine
Concen: 0.333 ng
RT: 16.689 min Scan# 1(
Delta R.T. -0.013 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Tgt Ion:200 Resp: 171(

Ion	Ratio	Lower	Upper
200	100		
173	34.0	21.4	32.2#
215	47.6	39.2	58.8



Instrument :
BNA_N
ClientSampleId :
PB169693BS

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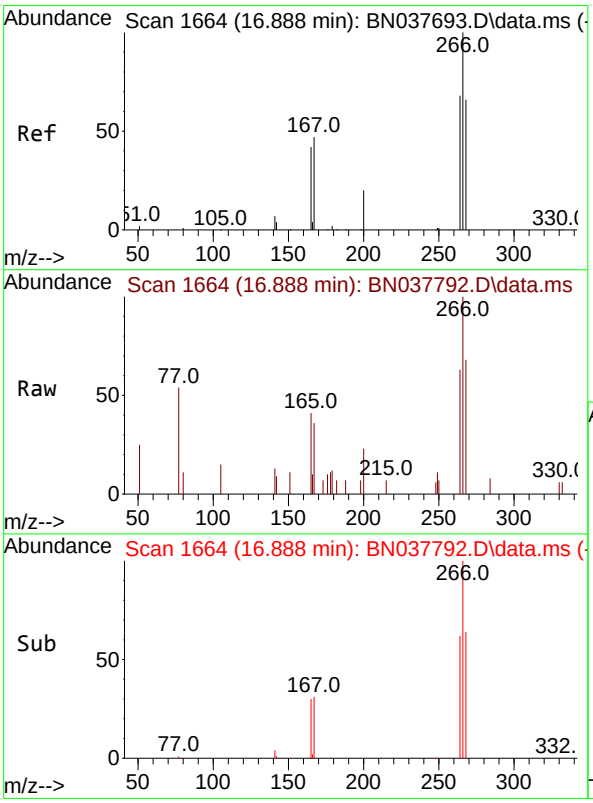
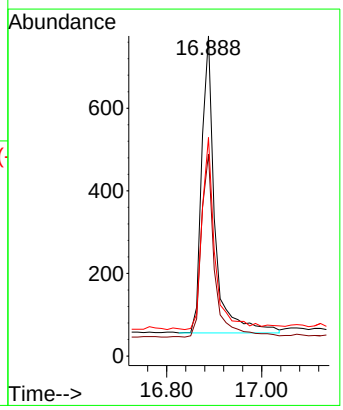
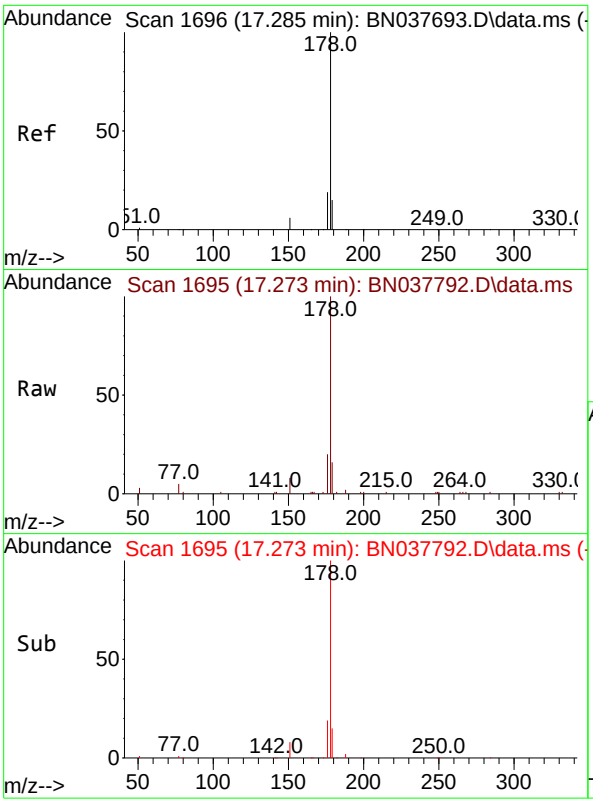


#24
Pentachlorophenol
Concen: 0.515 ng
RT: 16.888 min Scan# 1664
Delta R.T. -0.000 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Tgt Ion:266 Resp: 1388

Ion	Ratio	Lower	Upper
266	100		
264	62.3	51.6	77.4
268	65.3	53.2	79.8

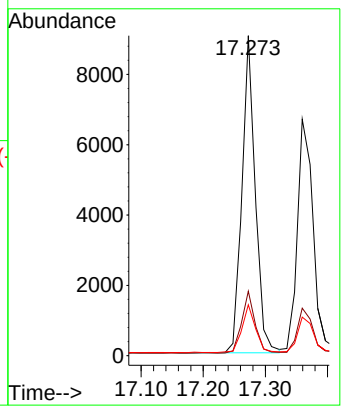




#25
Phenanthrene
Concen: 0.346 ng
RT: 17.273 min Scan# 1(
Delta R.T. -0.013 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Tgt Ion:178 Resp: 1350

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.3	22.9
179	15.3	12.2	18.2



Instrument :
BNA_N
ClientSampleId :
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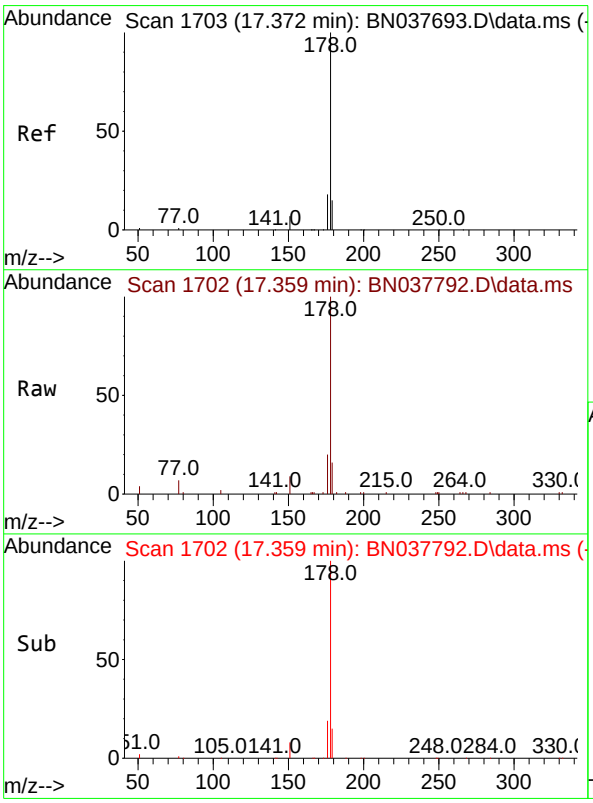
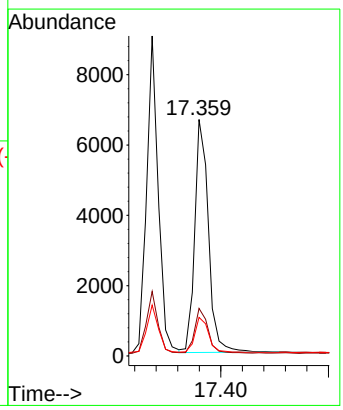
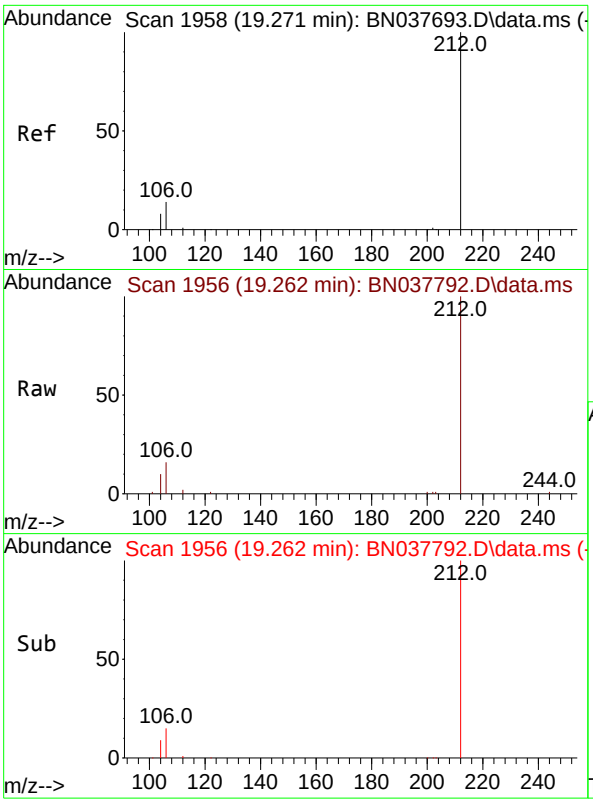


#26
Anthracene
Concen: 0.340 ng
RT: 17.359 min Scan# 1702
Delta R.T. -0.013 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Tgt Ion:178 Resp: 11748

Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.6	22.0
179	15.4	12.2	18.4

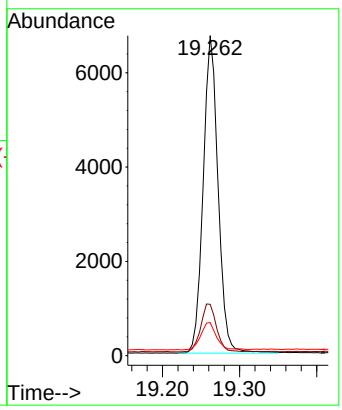




#27
Fluoranthene-d10
Concen: 0.291 ng
RT: 19.262 min Scan# 1
Delta R.T. -0.009 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Tgt Ion:212 Resp: 905

Ion	Ratio	Lower	Upper
212	100		
106	15.8	12.2	18.2
104	9.2	6.9	10.3



Instrument :
BNA_N
ClientSampleId :
PB169693BS

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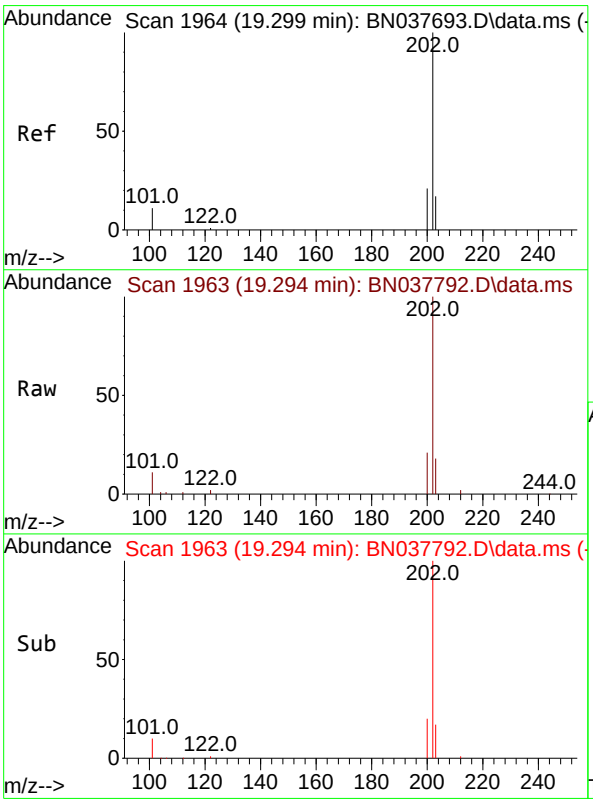
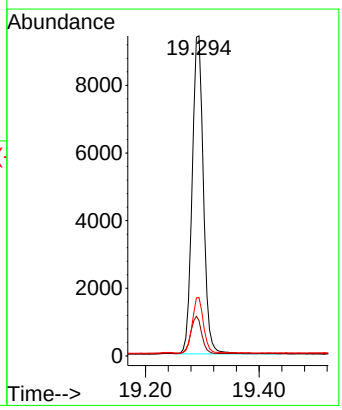
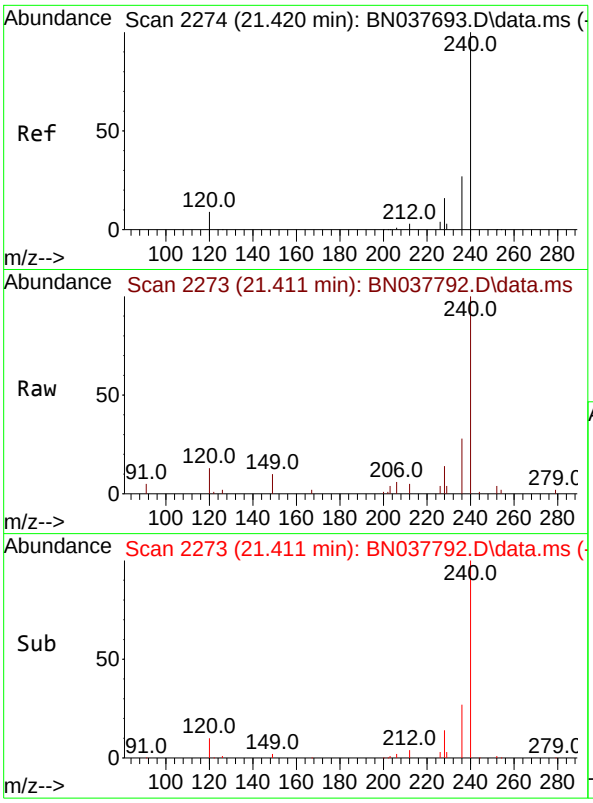


#28
Fluoranthene
Concen: 0.302 ng
RT: 19.294 min Scan# 1963
Delta R.T. -0.005 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Tgt Ion:202 Resp: 12912

Ion	Ratio	Lower	Upper
202	100		
101	11.8	9.3	13.9
203	17.3	13.7	20.5

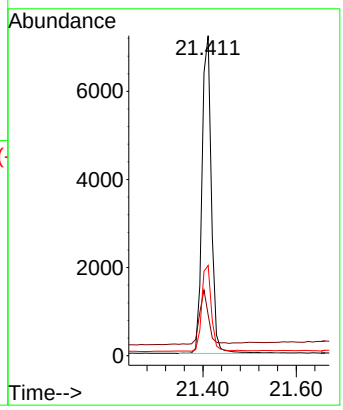




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.411 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Tgt Ion:240 Resp: 1009

Ion	Ratio	Lower	Upper
240	100		
120	12.7	9.2	13.8
236	28.2	22.6	33.8



Instrument :
BNA_N
ClientSampleId :
PB169693BS

Manual Integrations
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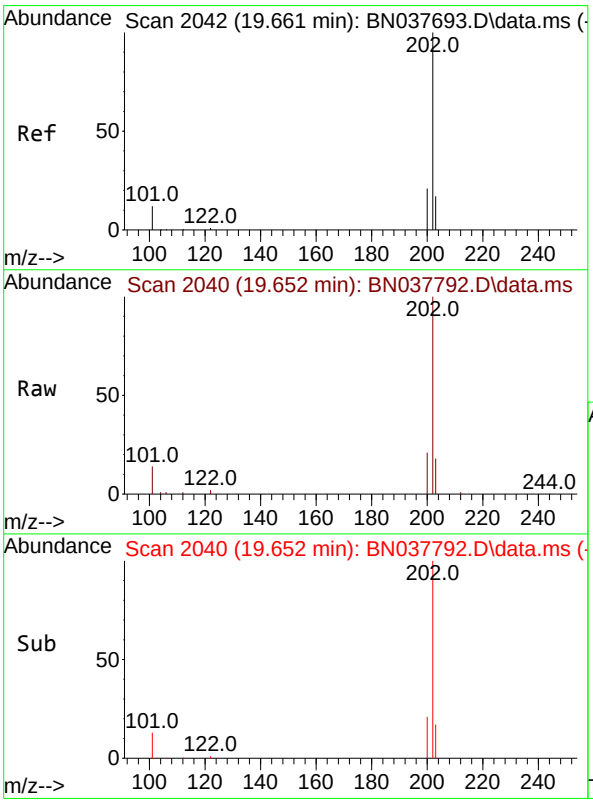
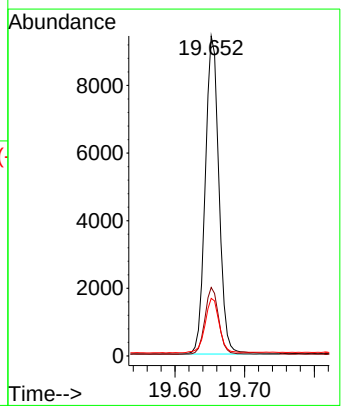
Reviewed By :Rahul Chavli 09/19/2025
Supervised By :mohammad ahmed 09/23/2025

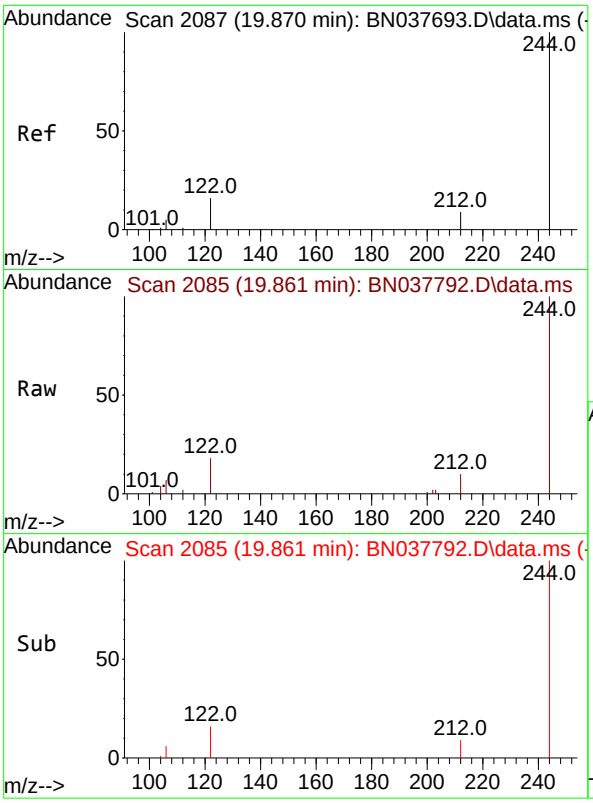


#30
Pyrene
Concen: 0.325 ng
RT: 19.652 min Scan# 2040
Delta R.T. -0.009 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Tgt Ion:202 Resp: 12854

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.8	25.2
203	17.5	14.3	21.5

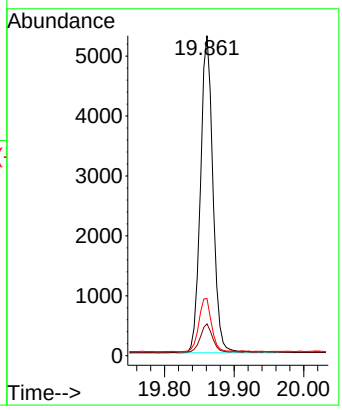




#31
Terphenyl-d14
Concen: 0.322 ng
RT: 19.861 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Tgt Ion:244 Resp: 659

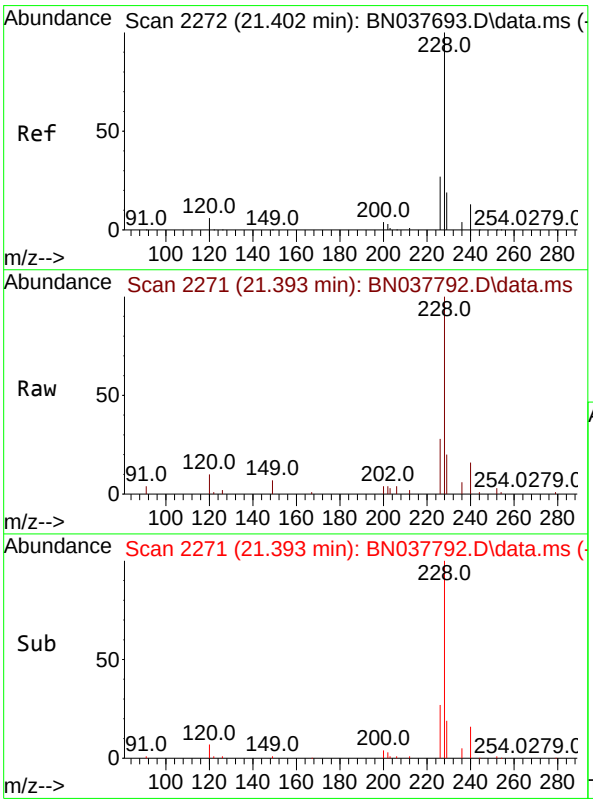
Ion	Ratio	Lower	Upper
244	100		
212	10.0	7.5	11.3
122	17.8	13.2	19.8



Instrument :
BNA_N
ClientSampleId :
PB169693BS

Manual Integrations
APPROVED

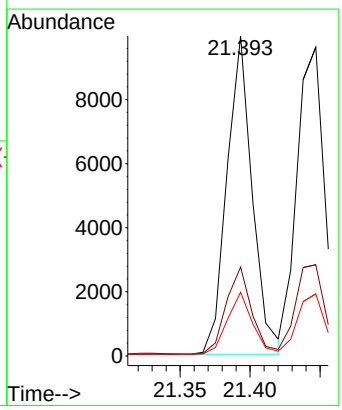
Reviewed By :Rahul Chavli 09/19/2025
Supervised By :mohammad ahmed 09/23/2025

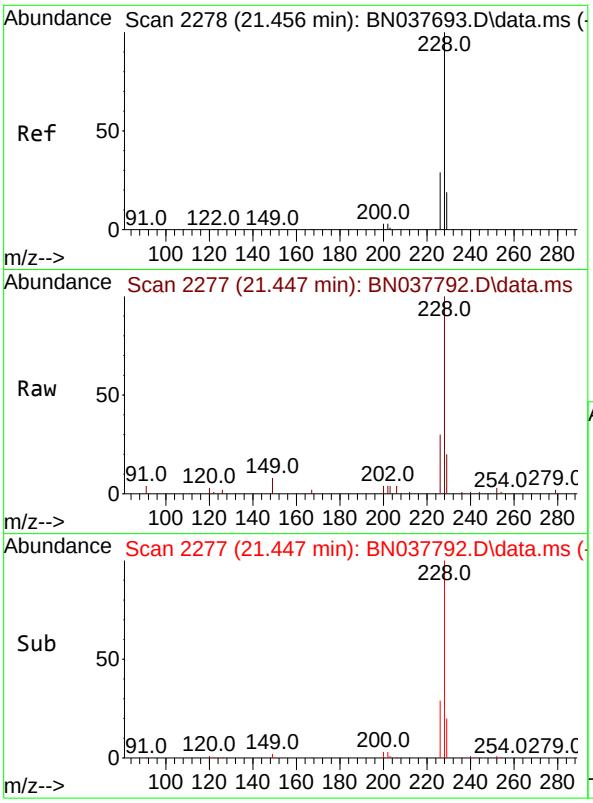


#32
Benzo(a)anthracene
Concen: 0.356 ng
RT: 21.393 min Scan# 2271
Delta R.T. -0.009 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Tgt Ion:228 Resp: 12540

Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.2	33.2
229	19.9	15.8	23.6

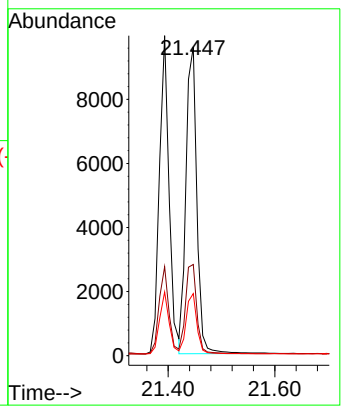




#33
Chrysene
Concen: 0.359 ng
RT: 21.447 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Tgt Ion:228 Resp: 1356

Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.5	35.3
229	20.1	15.9	23.9



Instrument :
BNA_N
ClientSampleId :
PB169693BS

Manual Integrations
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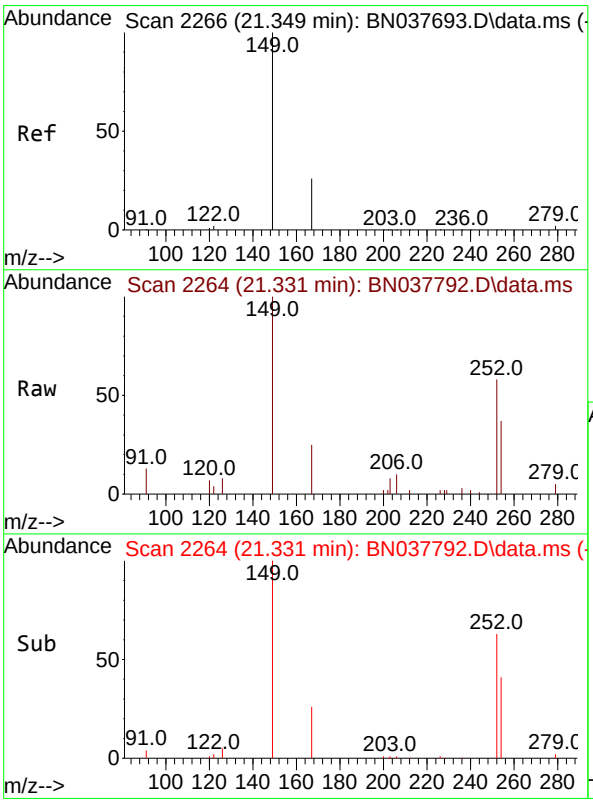
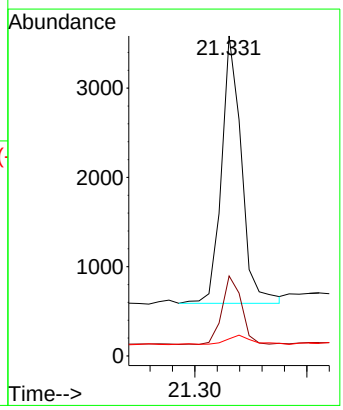
Reviewed By :Rahul Chavli 09/19/2025
Supervised By :mohammad ahmed 09/23/2025

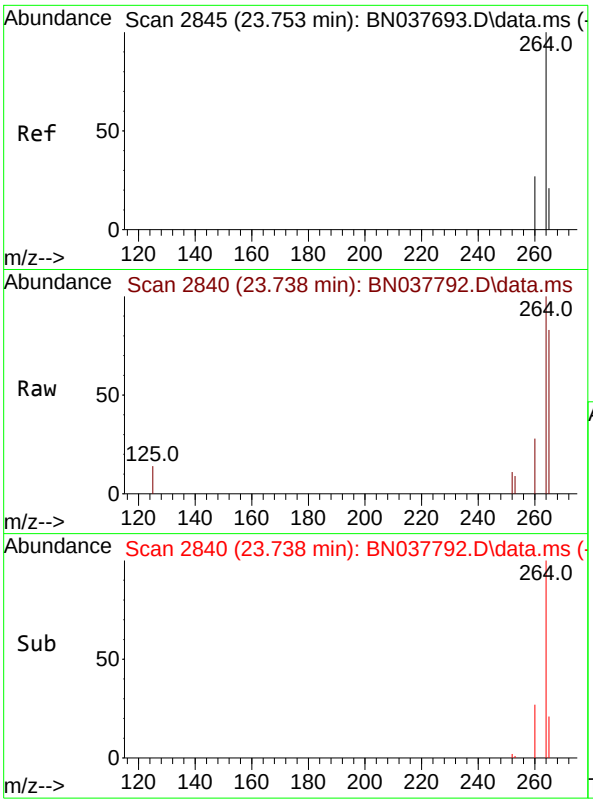


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.355 ng
RT: 21.331 min Scan# 2264
Delta R.T. -0.018 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Tgt Ion:149 Resp: 3708

Ion	Ratio	Lower	Upper
149	100		
167	25.0	20.8	31.2
279	4.3	3.3	4.9

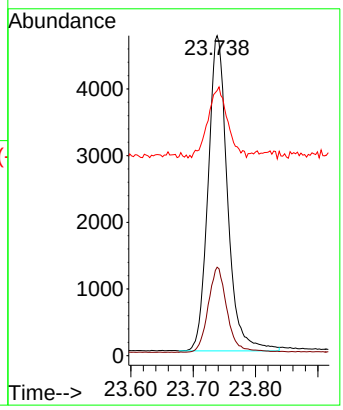




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.738 min Scan# 2
Delta R.T. -0.015 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Tgt Ion:264 Resp: 1020

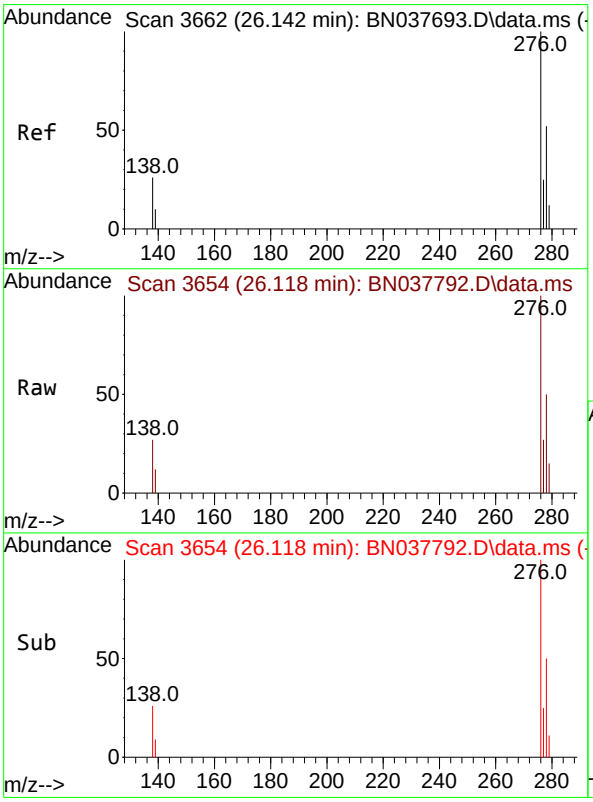
Ion	Ratio	Lower	Upper
264	100		
260	27.6	21.8	32.8
265	82.9	39.4	59.2



Instrument :
BNA_N
ClientSampleId :
PB169693BS

Manual Integrations
APPROVED

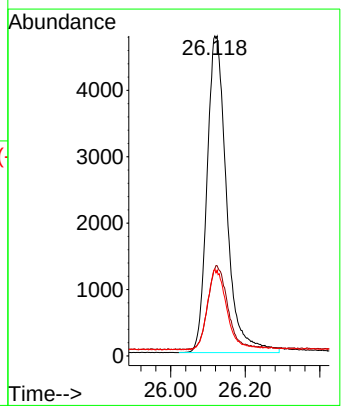
Reviewed By :Rahul Chavli 09/19/2025
Supervised By :mohammad ahmed 09/23/2025

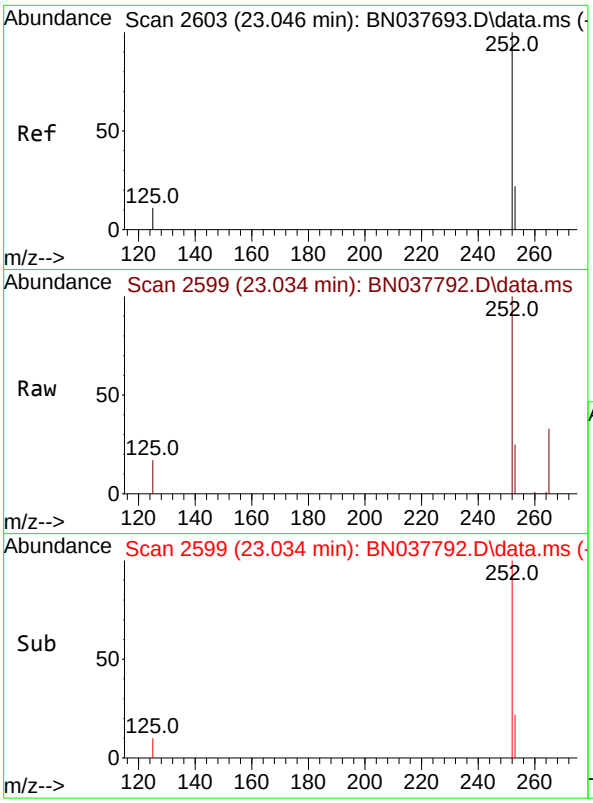


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.407 ng
RT: 26.118 min Scan# 3654
Delta R.T. -0.024 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Tgt Ion:276 Resp: 17423

Ion	Ratio	Lower	Upper
276	100		
138	27.0	21.9	32.9
277	25.2	20.1	30.1

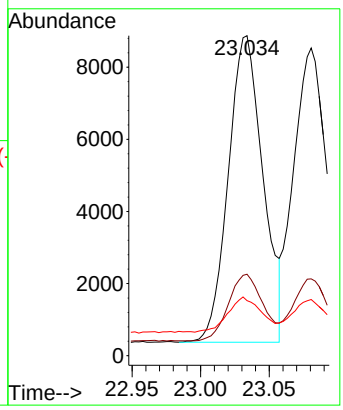




#37
Benzo(b)fluoranthene
Concen: 0.372 ng
RT: 23.034 min Scan# 2
Delta R.T. -0.012 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Tgt Ion:252 Resp: 1495

Ion	Ratio	Lower	Upper
252	100		
253	25.5	19.4	29.2
125	17.2	11.2	16.8#



Instrument :
BNA_N
ClientSampleId :
PB169693BS

Manual Integrations
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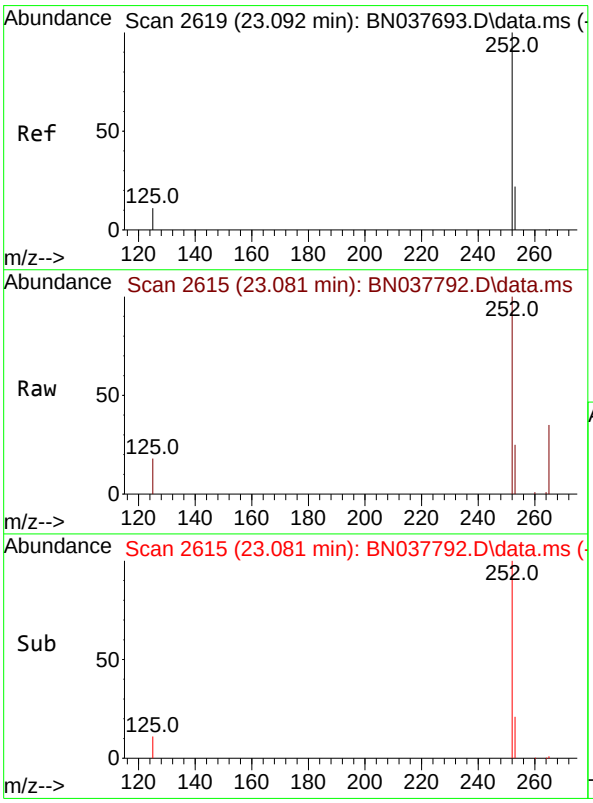
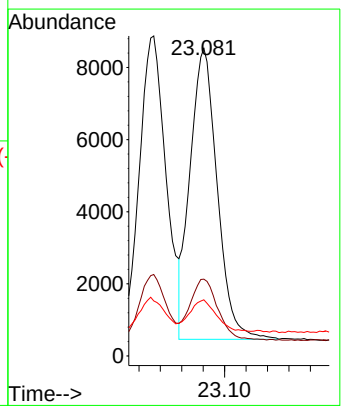
Reviewed By :Rahul Chavli 09/19/2025
Supervised By :mohammad ahmed 09/23/2025

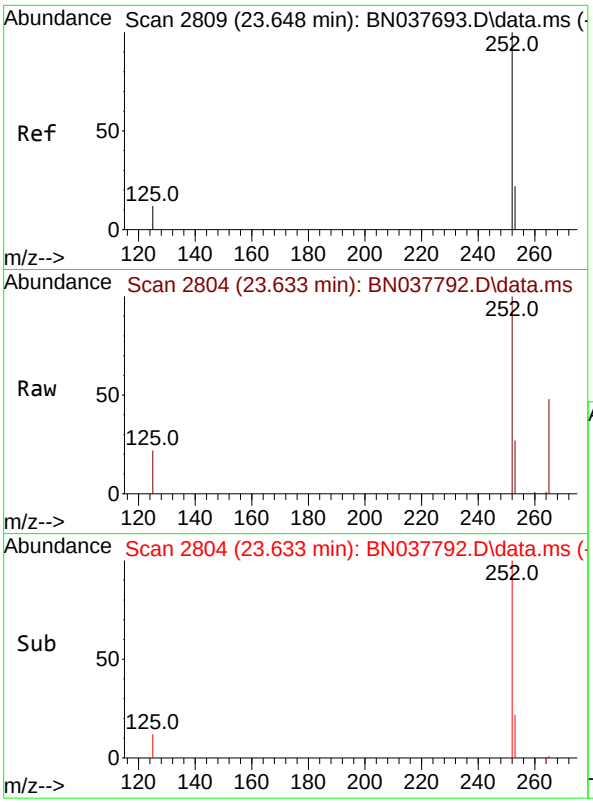


#38
Benzo(k)fluoranthene
Concen: 0.348 ng m
RT: 23.081 min Scan# 2615
Delta R.T. -0.012 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Tgt Ion:252 Resp: 14241

Ion	Ratio	Lower	Upper
252	100		
253	25.0	19.4	29.0
125	18.3	11.6	17.4#

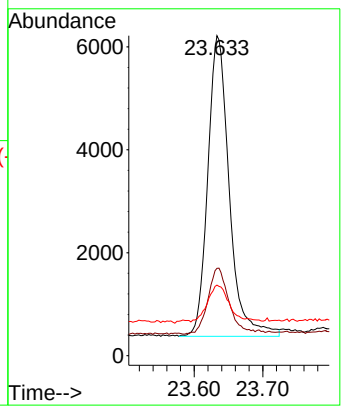




#39
Benzo(a)pyrene
Concen: 0.395 ng
RT: 23.633 min Scan# 2
Delta R.T. -0.015 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Tgt Ion:252 Resp: 1271

Ion	Ratio	Lower	Upper
252	100		
253	27.3	20.8	31.2
125	22.1	13.9	20.9



Instrument :
BNA_N
ClientSampleId :
PB169693BS

Manual Integrations
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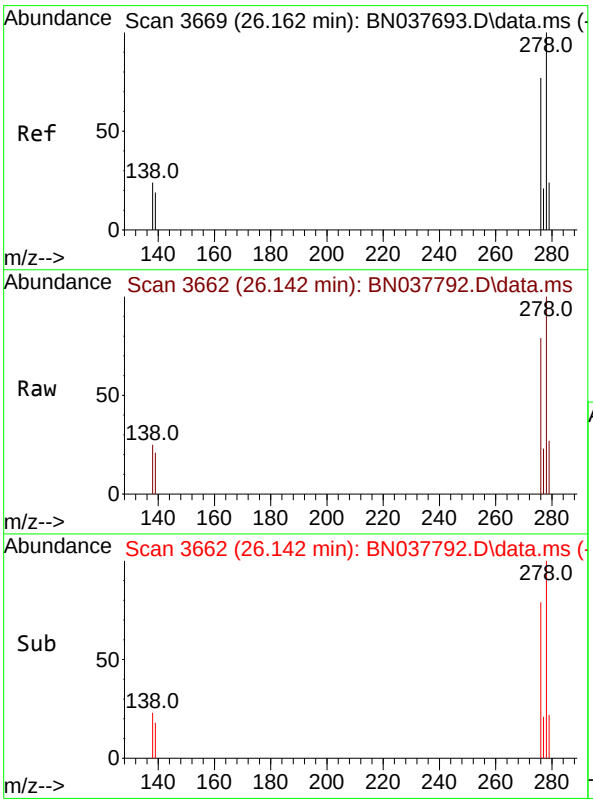
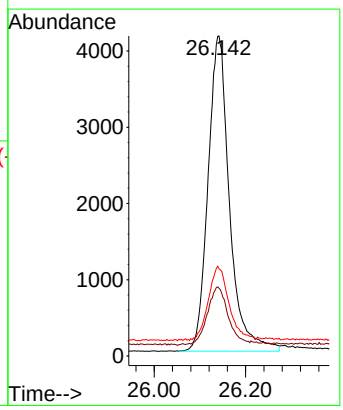
Reviewed By :Rahul Chavli 09/19/2025
Supervised By :mohammad ahmed 09/23/2025

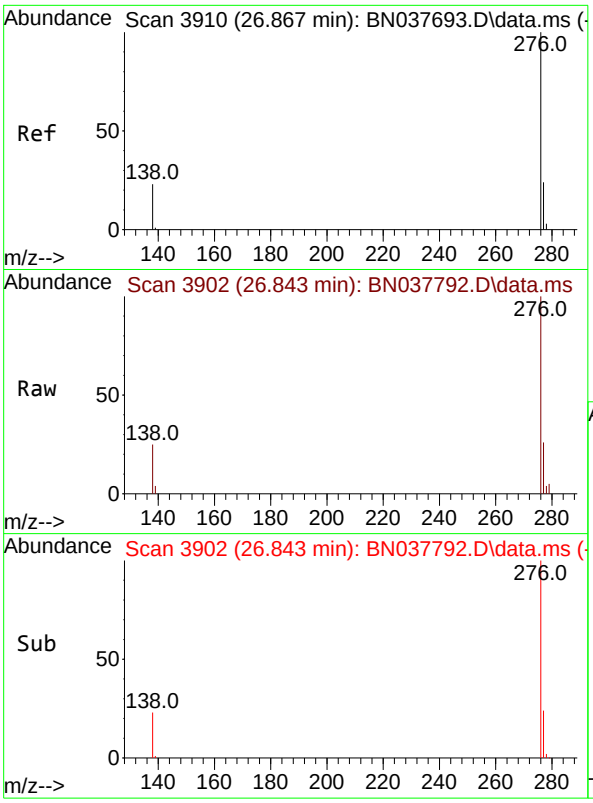


#40
Dibenzo(a,h)anthracene
Concen: 0.394 ng
RT: 26.142 min Scan# 3662
Delta R.T. -0.021 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Tgt Ion:278 Resp: 13475

Ion	Ratio	Lower	Upper
278	100		
139	21.2	17.8	26.6
279	27.2	22.0	33.0

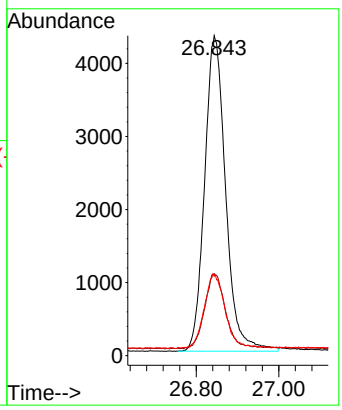




#41
Benzo(g,h,i)perylene
Concen: 0.398 ng
RT: 26.843 min Scan# 3
Delta R.T. -0.024 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Tgt Ion:276 Resp: 1527

Ion	Ratio	Lower	Upper
276	100		
277	25.6	20.6	31.0
138	24.8	20.2	30.2



Instrument :
BNA_N
ClientSampleId :
PB169693BS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 09/19/2025
Supervised By :mohammad ahmed 09/23/2025

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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	MW203D2-20250909MS	SDG No.:	Q3095
Lab Sample ID:	Q3095-06MS	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
BN037743.D	1	09/15/25 10:15	09/17/25 13:14	PB169692

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.97		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	0.33		30 - 150		83%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.30		55 - 111		75%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.32		53 - 106		79%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.40		58 - 132		99%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6850	7.84				
1146-65-2	Naphthalene-d8	19000	10.637				
15067-26-2	Acenaphthene-d10	8820	14.494				
1517-22-2	Phenanthrene-d10	15300	17.235				
1719-03-5	Chrysene-d12	13100	21.42				
1520-96-3	Perylene-d12	12800	23.75				

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\BN091725\
Data File : BN037743.D
Acq On : 17 Sep 2025 13:14
Operator : RC/JU
Sample : Q3095-06MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW203D2-20250909MS

Quant Time: Sep 17 13:42:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

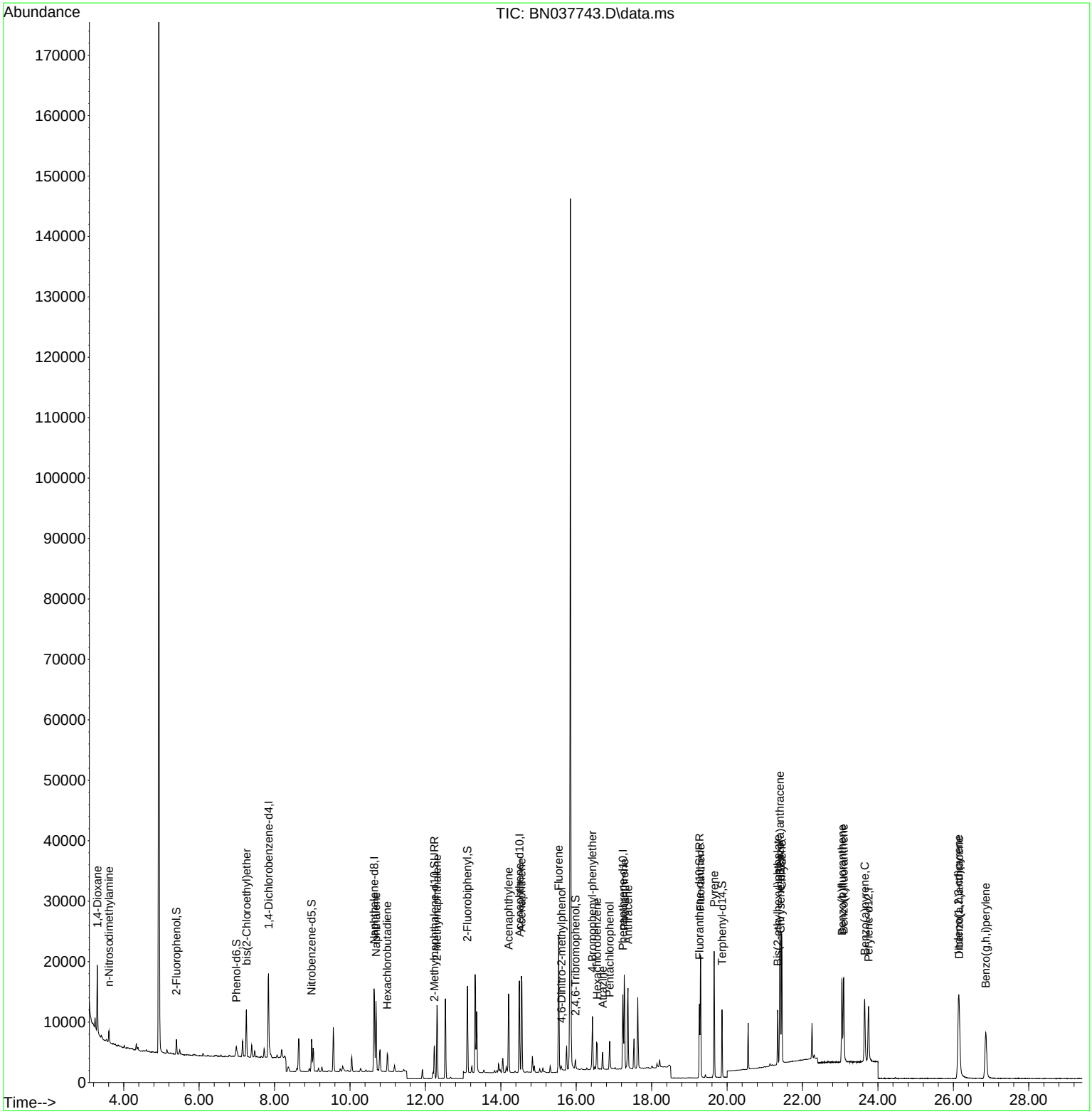
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.840	152	6853	0.400	ng		0.00
7) Naphthalene-d8	10.637	136	18950	0.400	ng		-0.01
13) Acenaphthene-d10	14.494	164	8815	0.400	ng		0.00
19) Phenanthrene-d10	17.235	188	15289	0.400	ng	#	0.00
29) Chrysene-d12	21.420	240	13059	0.400	ng		0.00
35) Perylene-d12	23.750	264	12757	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.399	112	1957	0.124	ng		0.00
5) Phenol-d6	6.988	99	1524	0.075	ng		0.00
8) Nitrobenzene-d5	8.982	82	4126	0.298	ng		-0.01
11) 2-Methylnaphthalene-d10	12.238	152	7246	0.289	ng		0.00
14) 2,4,6-Tribromophenol	15.982	330	893	0.388	ng		0.00
15) 2-Fluorobiphenyl	13.115	172	11665	0.316	ng		0.00
27) Fluoranthene-d10	19.266	212	12832	0.334	ng		0.00
31) Terphenyl-d14	19.866	244	10504	0.396	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.304	88	6956	0.974	ng		96
3) n-Nitrosodimethylamine	3.608	42	1104	0.118	ng	#	82
6) bis(2-Chloroethyl)ether	7.255	93	5688	0.312	ng		98
9) Naphthalene	10.690	128	15015	0.290	ng		100
10) Hexachlorobutadiene	10.989	225	2320	0.248	ng	#	100
12) 2-Methylnaphthalene	12.309	142	8655	0.270	ng		100
16) Acenaphthylene	14.206	152	13728	0.340	ng		100
17) Acenaphthene	14.548	154	8639	0.316	ng		99
18) Fluorene	15.535	166	10553	0.319	ng		98
20) 4,6-Dinitro-2-methylph...	15.609	198	499	0.352	ng		91
21) 4-Bromophenyl-phenylether	16.429	248	3460	0.347	ng	#	76
22) Hexachlorobenzene	16.553	284	4115	0.359	ng		96
23) Atrazine	16.702	200	2391	0.377	ng		98
24) Pentachlorophenol	16.888	266	2467	0.741	ng		97
25) Phenanthrene	17.273	178	17307	0.360	ng		100
26) Anthracene	17.372	178	15375	0.361	ng		100
28) Fluoranthene	19.294	202	18462	0.350	ng		99
30) Pyrene	19.657	202	18552	0.363	ng		100
32) Benzo(a)anthracene	21.402	228	17427	0.383	ng		99
33) Chrysene	21.447	228	18053	0.370	ng		98
34) Bis(2-ethylhexyl)phtha...	21.339	149	8669	0.642	ng		100
36) Indeno(1,2,3-cd)pyrene	26.136	276	20862	0.389	ng		98
37) Benzo(b)fluoranthene	23.046	252	18402	0.366	ng		99
38) Benzo(k)fluoranthene	23.092	252	18793	0.367	ng		99
39) Benzo(a)pyrene	23.648	252	16200	0.403	ng		99
40) Dibenzo(a,h)anthracene	26.156	278	16551	0.387	ng		97
41) Benzo(g,h,i)perylene	26.858	276	17872	0.372	ng		98

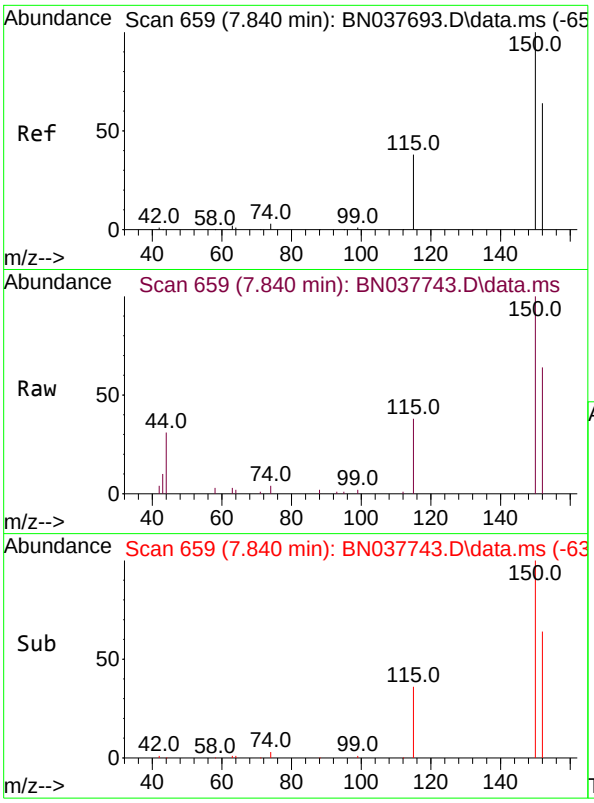
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091725\
Data File : BN037743.D
Acq On : 17 Sep 2025 13:14
Operator : RC/JU
Sample : Q3095-06MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW203D2-20250909MS

Quant Time: Sep 17 13:42:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration



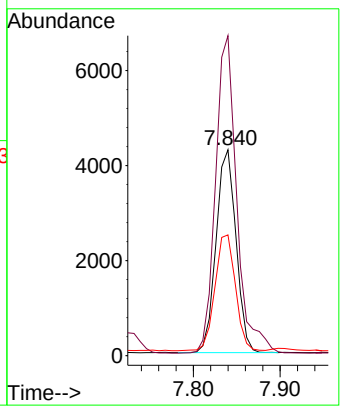


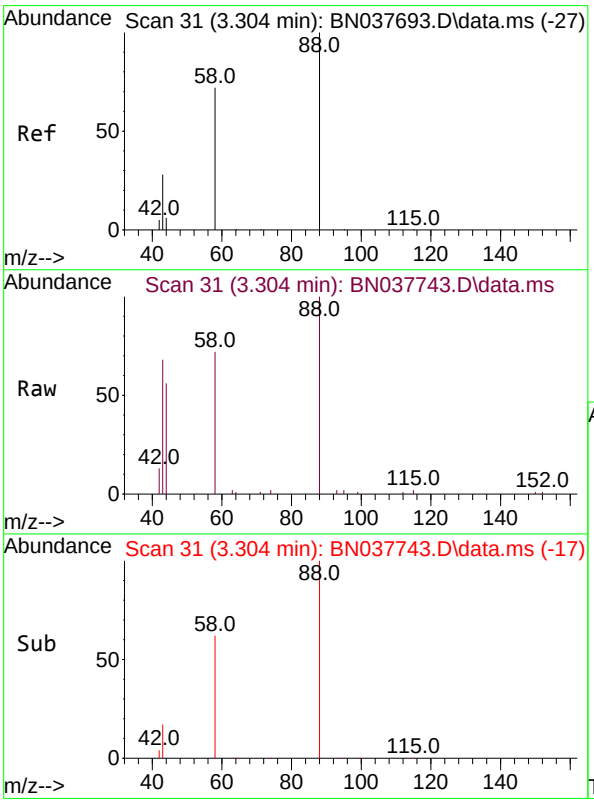
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.840 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN037743.D
Acq: 17 Sep 2025 13:14

Instrument :
BNA_N
ClientSampleId :
MW203D2-20250909MS

Tgt Ion:152 Resp: 6853

Ion	Ratio	Lower	Upper
152	100		
150	155.4	124.5	186.7
115	58.6	49.2	73.8

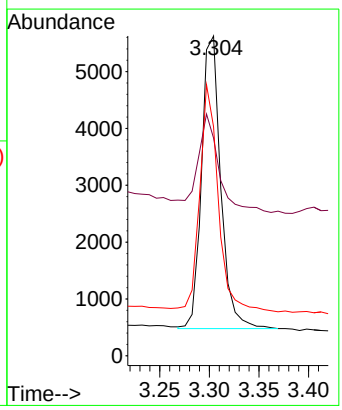


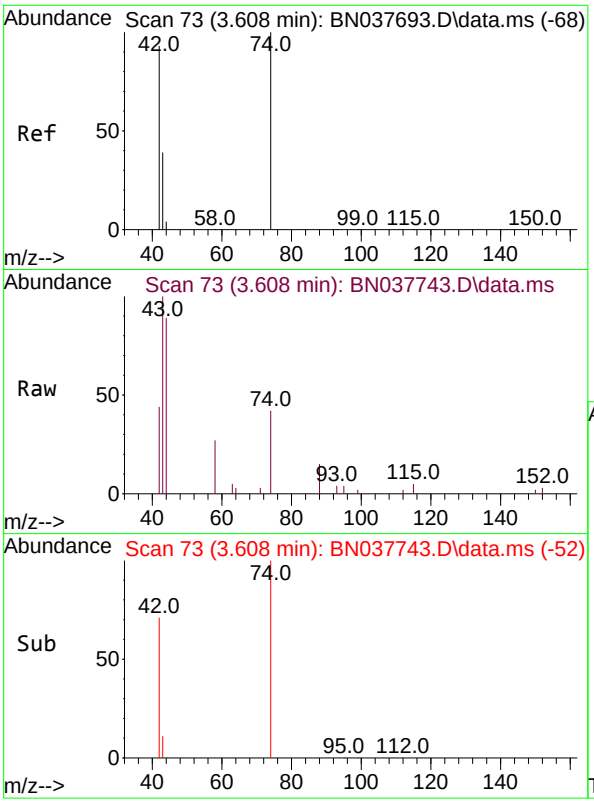


#2
1,4-Dioxane
Concen: 0.974 ng
RT: 3.304 min Scan# 31
Delta R.T. -0.000 min
Lab File: BN037743.D
Acq: 17 Sep 2025 13:14

Tgt Ion: 88 Resp: 6956

Ion	Ratio	Lower	Upper
88	100		
43	36.8	26.8	40.2
58	75.0	61.9	92.9



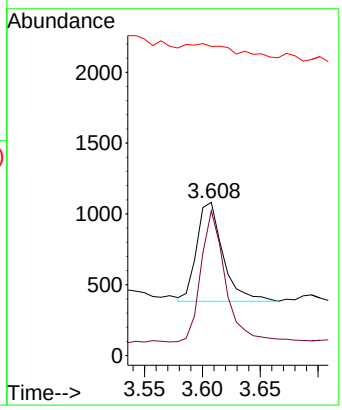


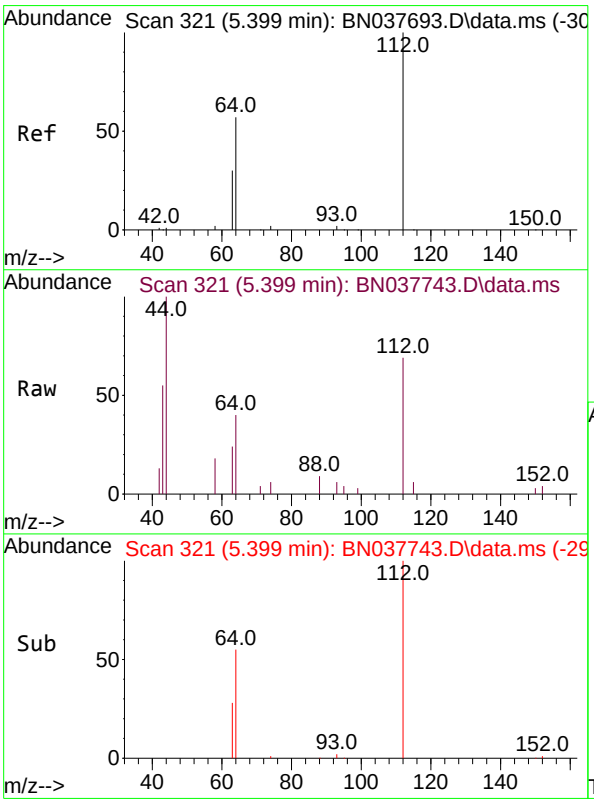
#3
n-Nitrosodimethylamine
Concen: 0.118 ng
RT: 3.608 min Scan# 7
Delta R.T. -0.000 min
Lab File: BN037743.D
Acq: 17 Sep 2025 13:14

Instrument :
BNA_N
ClientSampleId :
MW203D2-20250909MS

Tgt Ion: 42 Resp: 1104

Ion	Ratio	Lower	Upper
42	100		
74	124.7	86.0	129.0
44	0.0	8.4	12.6#

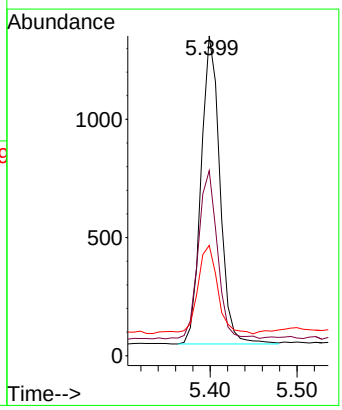


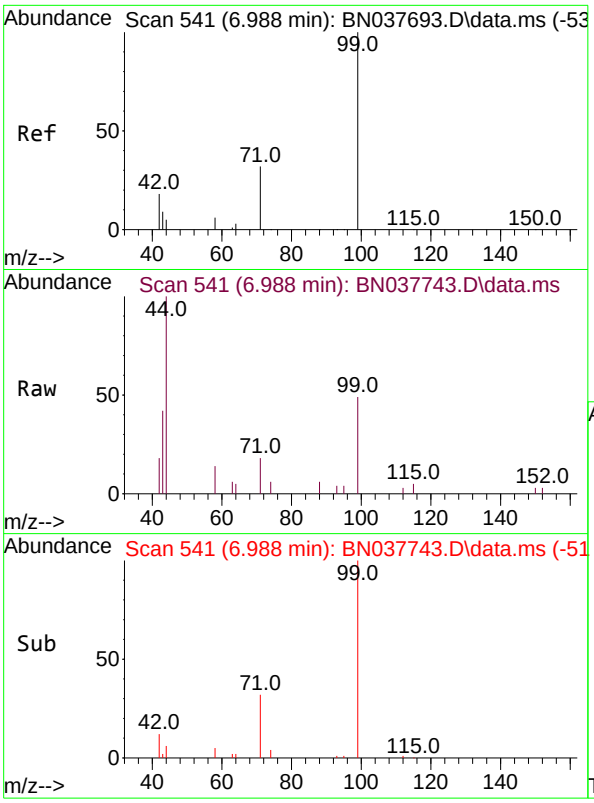


#4
2-Fluorophenol
Concen: 0.124 ng
RT: 5.399 min Scan# 321
Delta R.T. -0.000 min
Lab File: BN037743.D
Acq: 17 Sep 2025 13:14

Tgt Ion:112 Resp: 1957

Ion	Ratio	Lower	Upper
112	100		
64	55.1	44.9	67.3
63	30.7	24.7	37.1



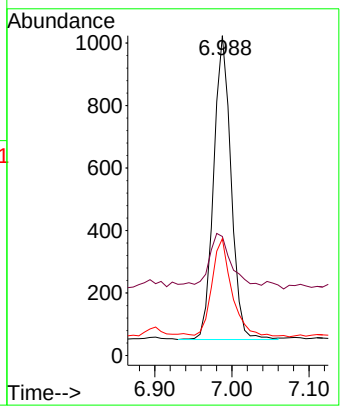


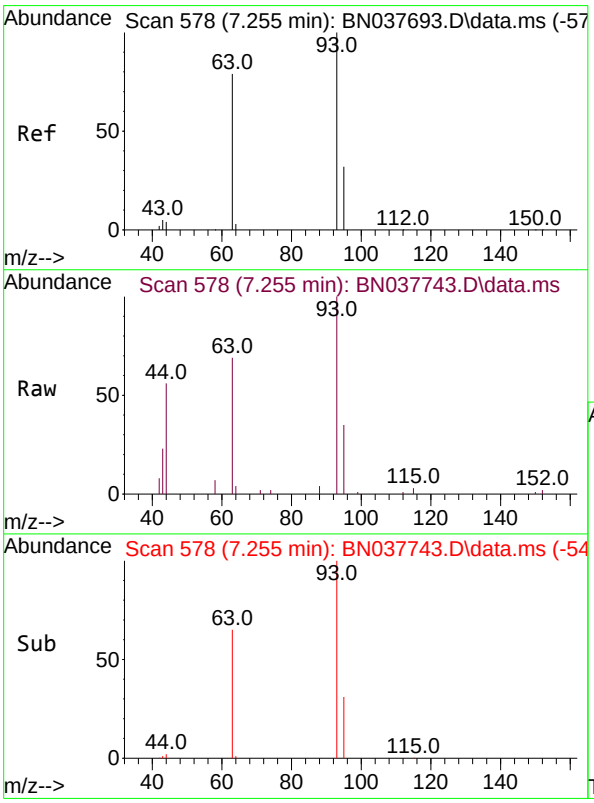
#5
Phenol-d6
Concen: 0.075 ng
RT: 6.988 min Scan# 54
Delta R.T. -0.000 min
Lab File: BN037743.D
Acq: 17 Sep 2025 13:14

Instrument :
BNA_N
ClientSampleId :
MW203D2-20250909MS

Tgt Ion: 99 Resp: 1524

Ion	Ratio	Lower	Upper
99	100		
42	20.7	16.6	24.8
71	37.3	26.7	40.1

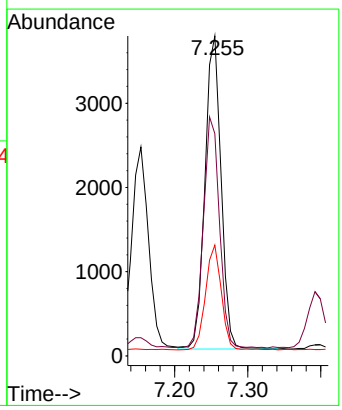


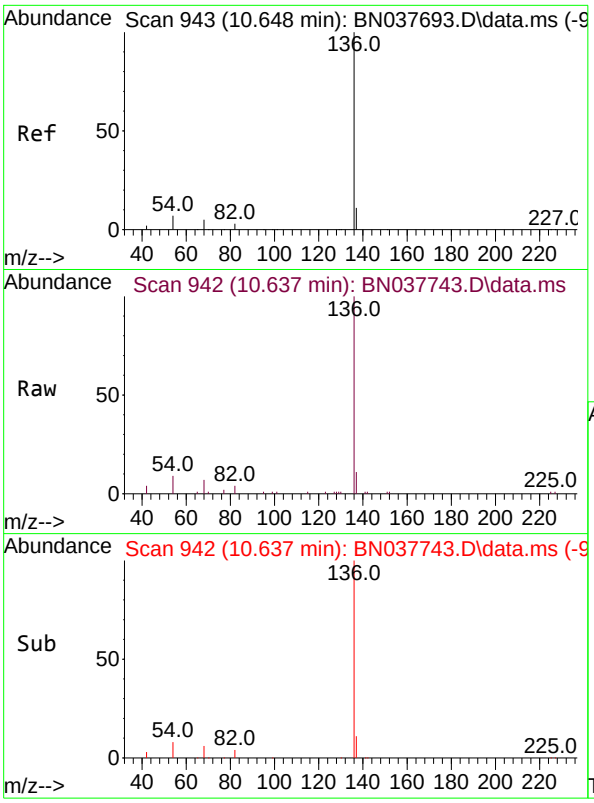


#6
bis(2-Chloroethyl)ether
Concen: 0.312 ng
RT: 7.255 min Scan# 578
Delta R.T. -0.000 min
Lab File: BN037743.D
Acq: 17 Sep 2025 13:14

Tgt Ion: 93 Resp: 5688

Ion	Ratio	Lower	Upper
93	100		
63	74.0	60.6	90.8
95	32.9	26.0	39.0



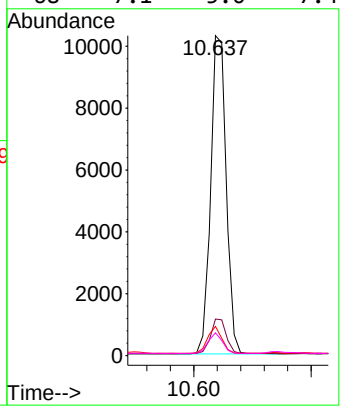


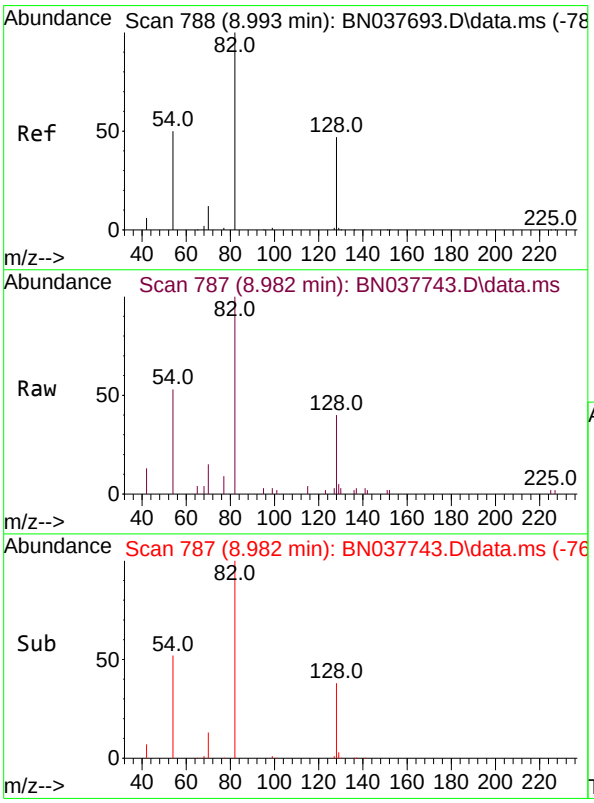
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.637 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037743.D
Acq: 17 Sep 2025 13:14

Instrument :
BNA_N
ClientSampleId :
MW203D2-20250909MS

Tgt Ion:136 Resp: 18950

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	9.2	6.3	9.5
68	7.1	5.0	7.4

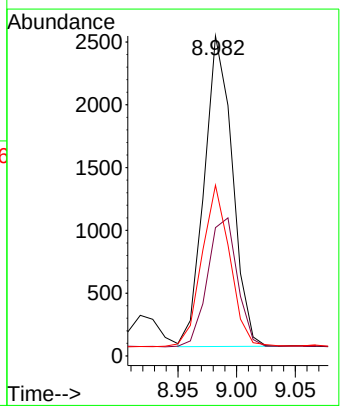


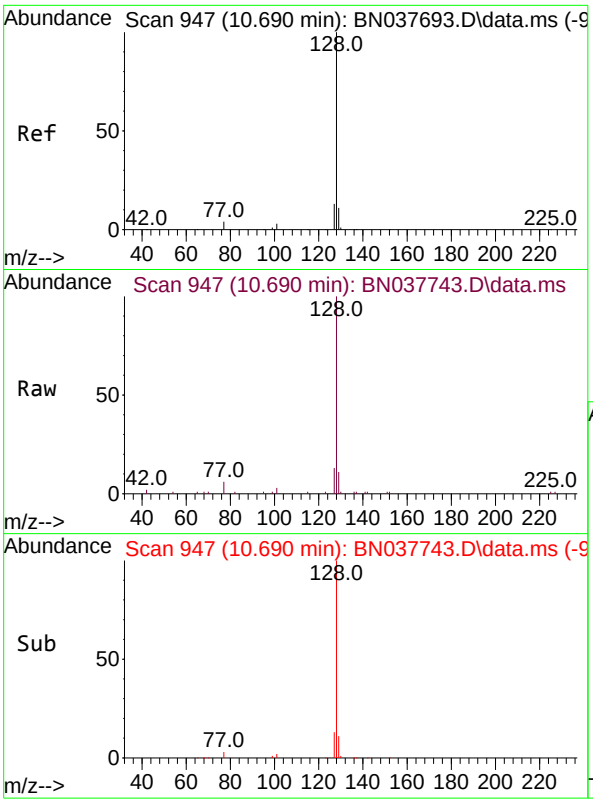


#8
Nitrobenzene-d5
Concen: 0.298 ng
RT: 8.982 min Scan# 787
Delta R.T. -0.011 min
Lab File: BN037743.D
Acq: 17 Sep 2025 13:14

Tgt Ion: 82 Resp: 4126

Ion	Ratio	Lower	Upper
82	100		
128	40.1	38.3	57.5
54	53.4	41.4	62.2



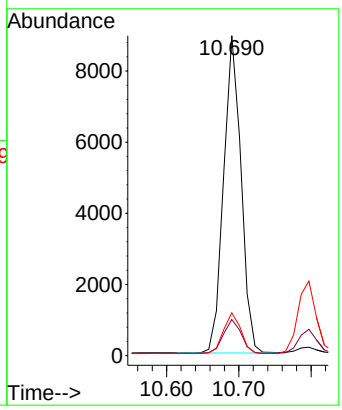


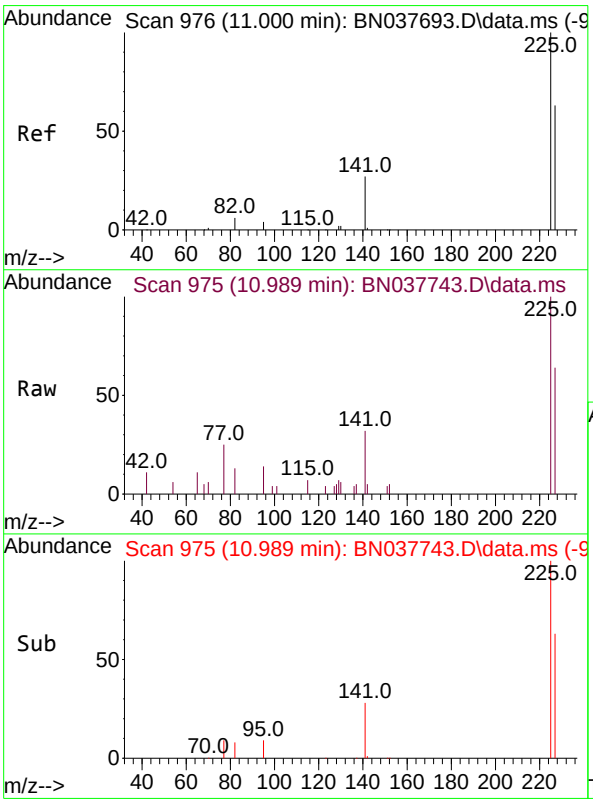
#9
Naphthalene
Concen: 0.290 ng
RT: 10.690 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN037743.D
Acq: 17 Sep 2025 13:14

Instrument :
BNA_N
ClientSampleId :
MW203D2-20250909MS

Tgt Ion:128 Resp: 15015

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.1	13.7
127	13.4	10.9	16.3

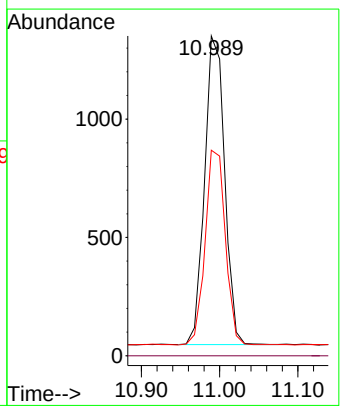


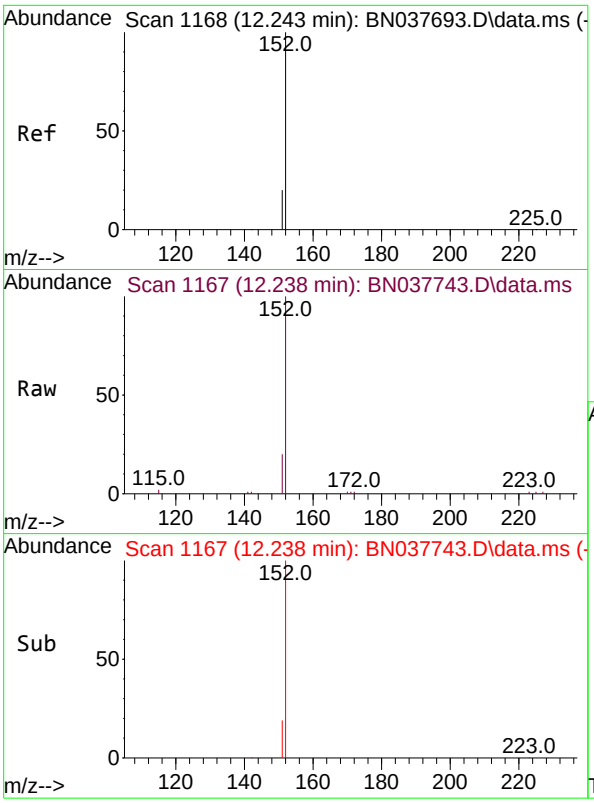


#10
Hexachlorobutadiene
Concen: 0.248 ng
RT: 10.989 min Scan# 975
Delta R.T. -0.011 min
Lab File: BN037743.D
Acq: 17 Sep 2025 13:14

Tgt Ion:225 Resp: 2320

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.7	50.9	76.3



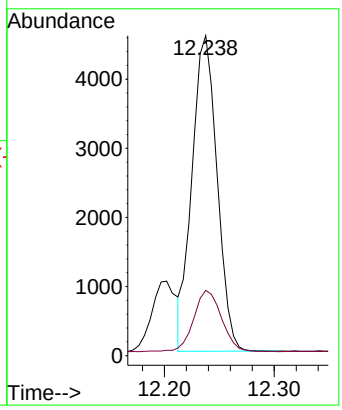


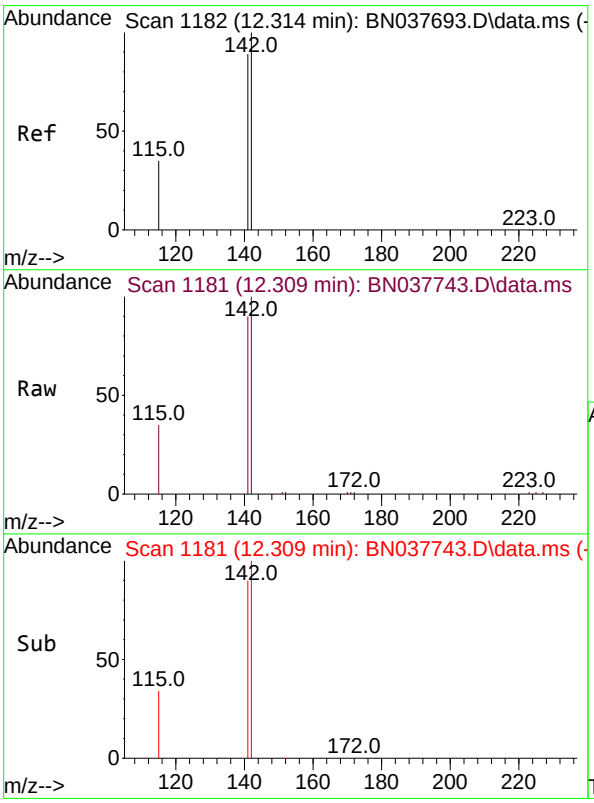
#11
2-Methylnaphthalene-d10
Concen: 0.289 ng
RT: 12.238 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN037743.D
Acq: 17 Sep 2025 13:14

Instrument :
BNA_N
ClientSampleId :
MW203D2-20250909MS

Tgt Ion:152 Resp: 7246

Ion	Ratio	Lower	Upper
152	100		
151	21.6	17.0	25.6

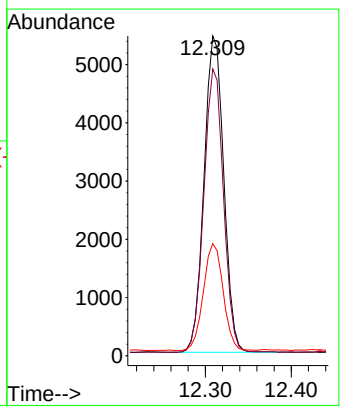


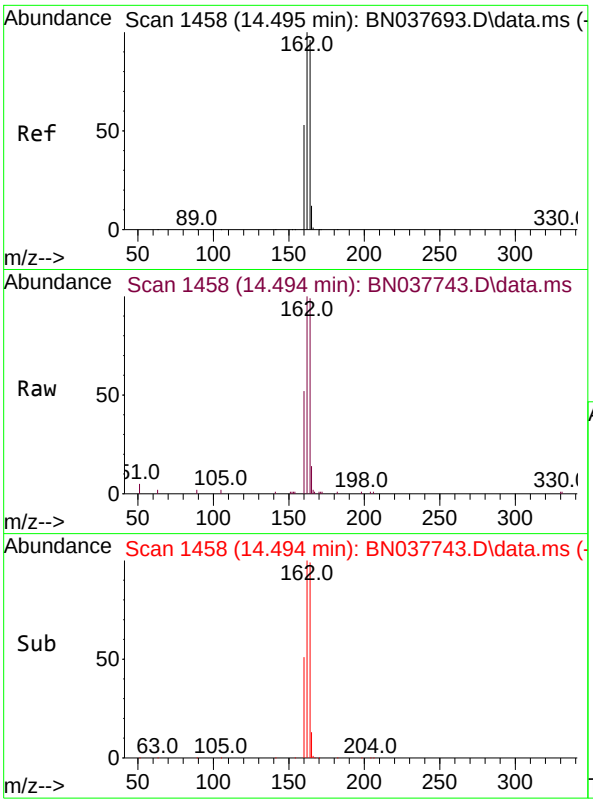


#12
2-Methylnaphthalene
Concen: 0.270 ng
RT: 12.309 min Scan# 1181
Delta R.T. -0.005 min
Lab File: BN037743.D
Acq: 17 Sep 2025 13:14

Tgt Ion:142 Resp: 8655

Ion	Ratio	Lower	Upper
142	100		
141	89.7	71.6	107.4
115	35.1	28.6	43.0



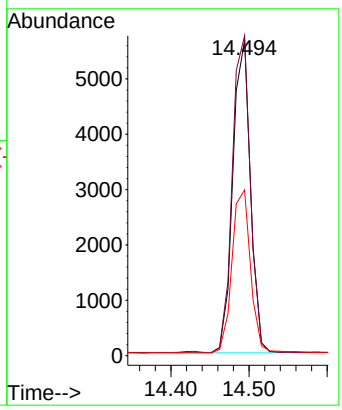


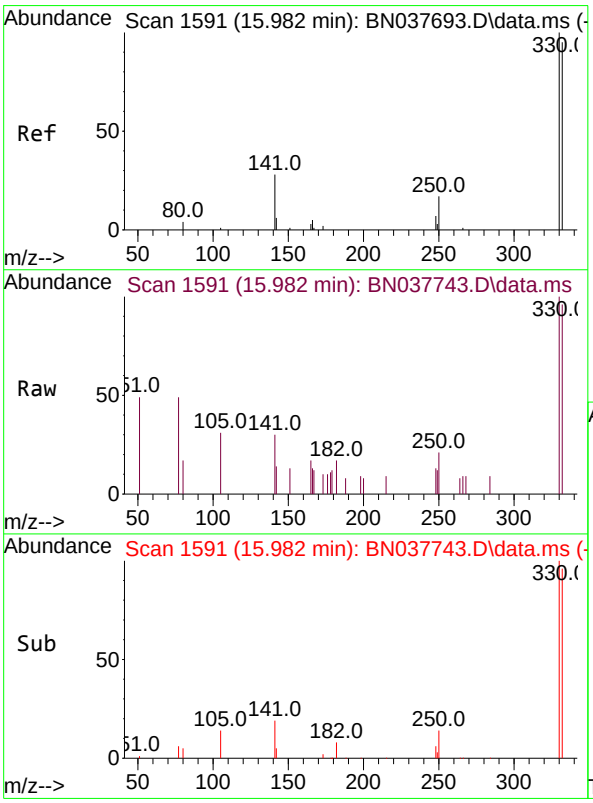
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.494 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN037743.D
Acq: 17 Sep 2025 13:14

Instrument :
BNA_N
ClientSampleId :
MW203D2-20250909MS

Tgt Ion:164 Resp: 8815

Ion	Ratio	Lower	Upper
164	100		
162	101.4	83.1	124.7
160	52.5	44.3	66.5

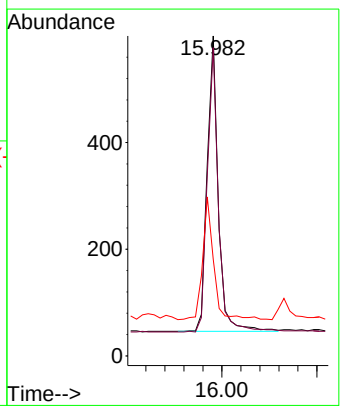


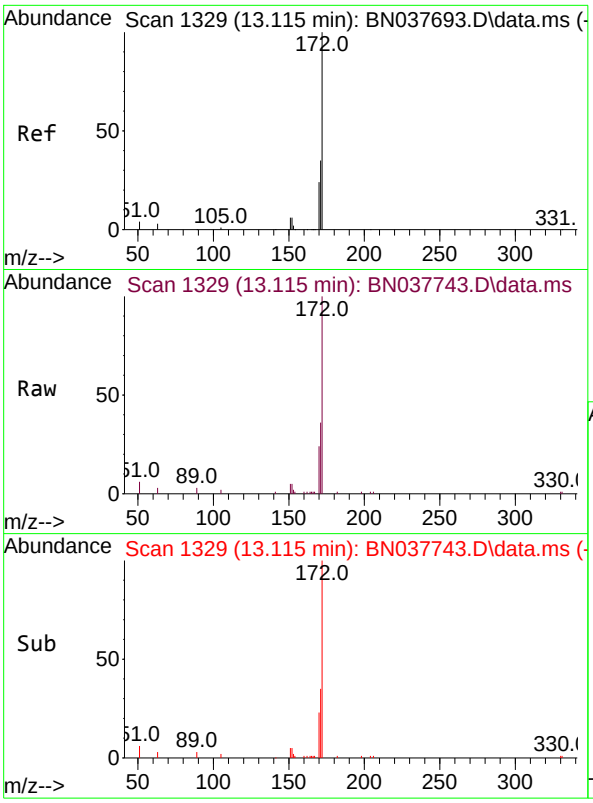


#14
2,4,6-Tribromophenol
Concen: 0.388 ng
RT: 15.982 min Scan# 1591
Delta R.T. -0.000 min
Lab File: BN037743.D
Acq: 17 Sep 2025 13:14

Tgt Ion:330 Resp: 893

Ion	Ratio	Lower	Upper
330	100		
332	96.6	75.3	112.9
141	40.9	35.0	52.4



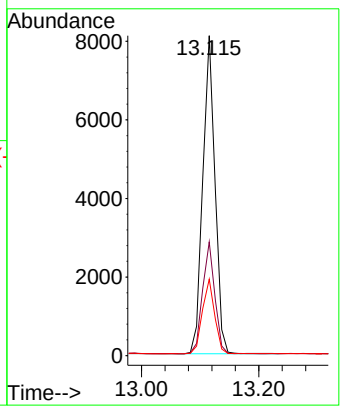


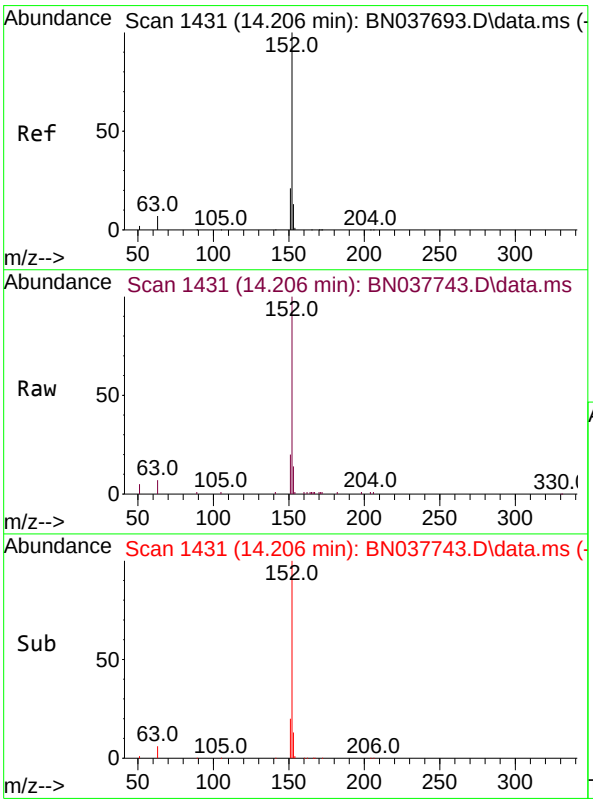
#15
2-Fluorobiphenyl
Concen: 0.316 ng
RT: 13.115 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037743.D
Acq: 17 Sep 2025 13:14

Instrument :
BNA_N
ClientSampleId :
MW203D2-20250909MS

Tgt Ion:172 Resp: 11665

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.6	43.0
170	23.9	19.8	29.8

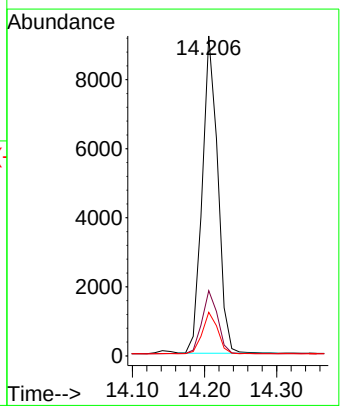


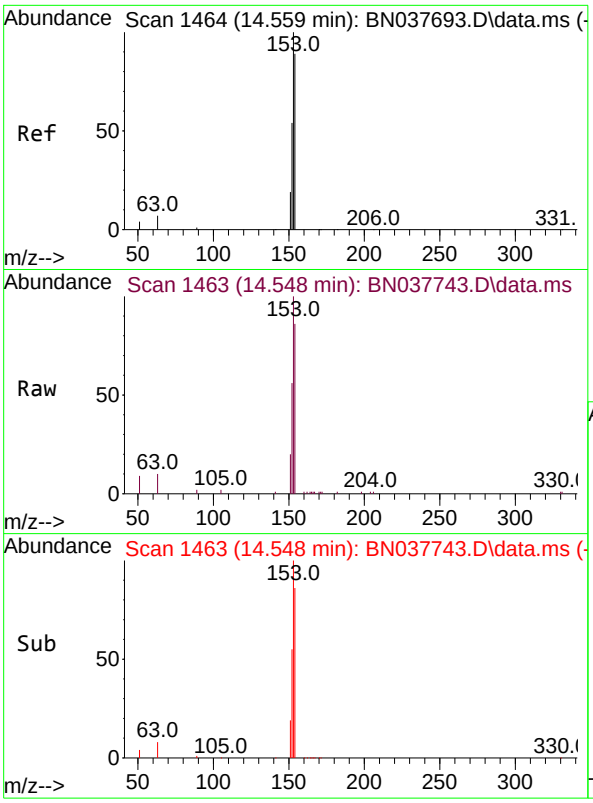


#16
Acenaphthylene
Concen: 0.340 ng
RT: 14.206 min Scan# 1431
Delta R.T. -0.000 min
Lab File: BN037743.D
Acq: 17 Sep 2025 13:14

Tgt Ion:152 Resp: 13728

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.2
153	13.1	10.4	15.6



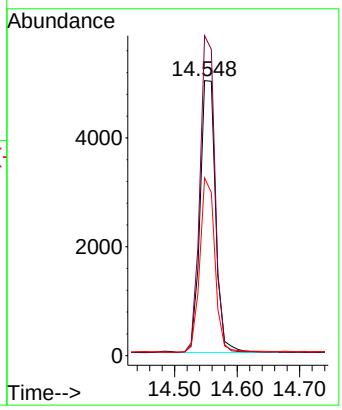


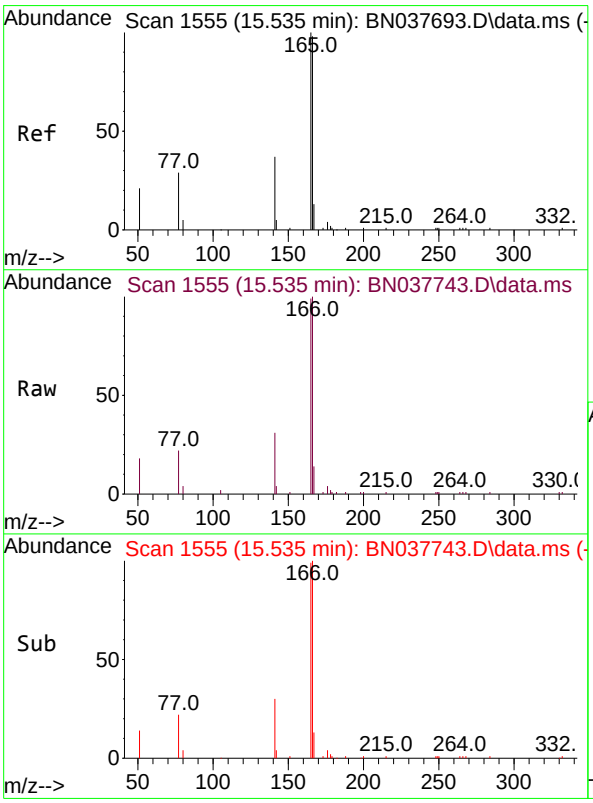
#17
Acenaphthene
Concen: 0.316 ng
RT: 14.548 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN037743.D
Acq: 17 Sep 2025 13:14

Instrument :
BNA_N
ClientSampleId :
MW203D2-20250909MS

Tgt Ion:154 Resp: 8639

Ion	Ratio	Lower	Upper
154	100		
153	112.7	89.8	134.8
152	62.1	50.2	75.2

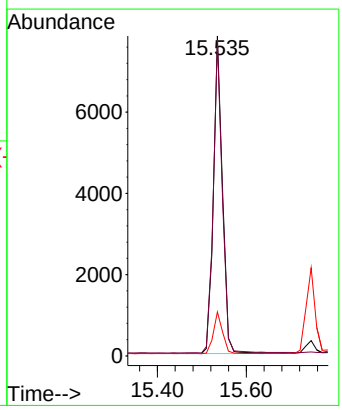


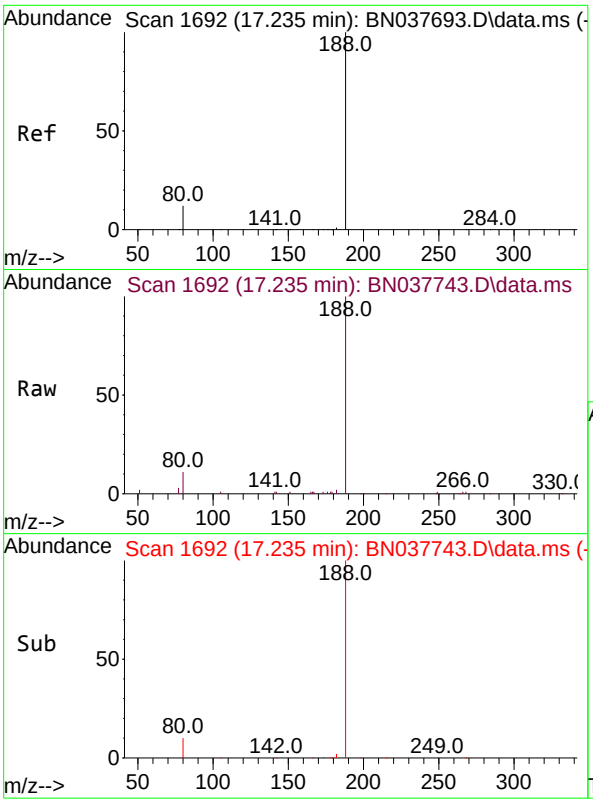


#18
Fluorene
Concen: 0.319 ng
RT: 15.535 min Scan# 1555
Delta R.T. -0.000 min
Lab File: BN037743.D
Acq: 17 Sep 2025 13:14

Tgt Ion:166 Resp: 10553

Ion	Ratio	Lower	Upper
166	100		
165	97.6	79.6	119.4
167	13.6	10.6	16.0



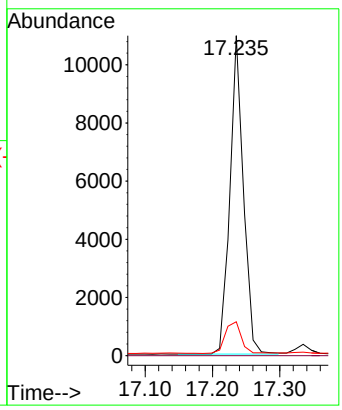


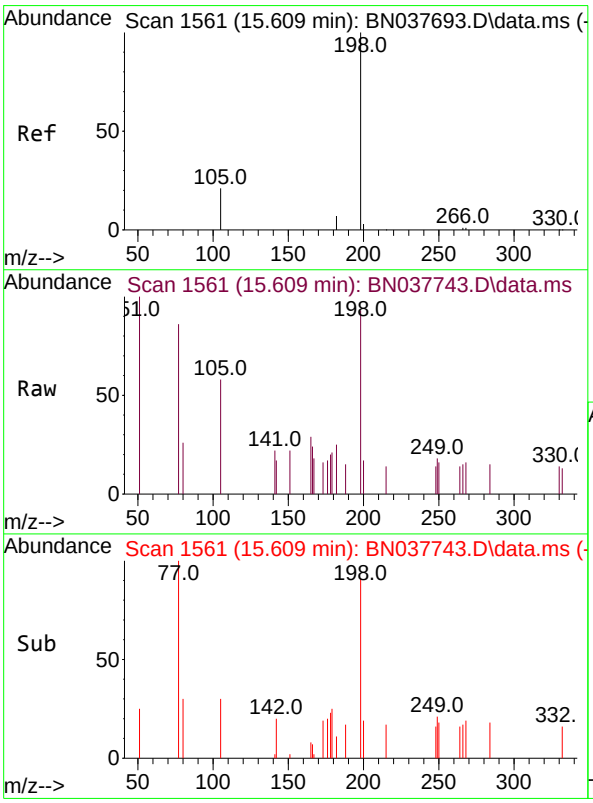
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.235 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037743.D
Acq: 17 Sep 2025 13:14

Instrument :
BNA_N
ClientSampleId :
MW203D2-20250909MS

Tgt Ion:188 Resp: 15289

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.6	10.6	15.8#

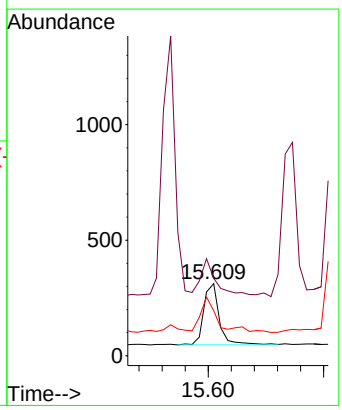


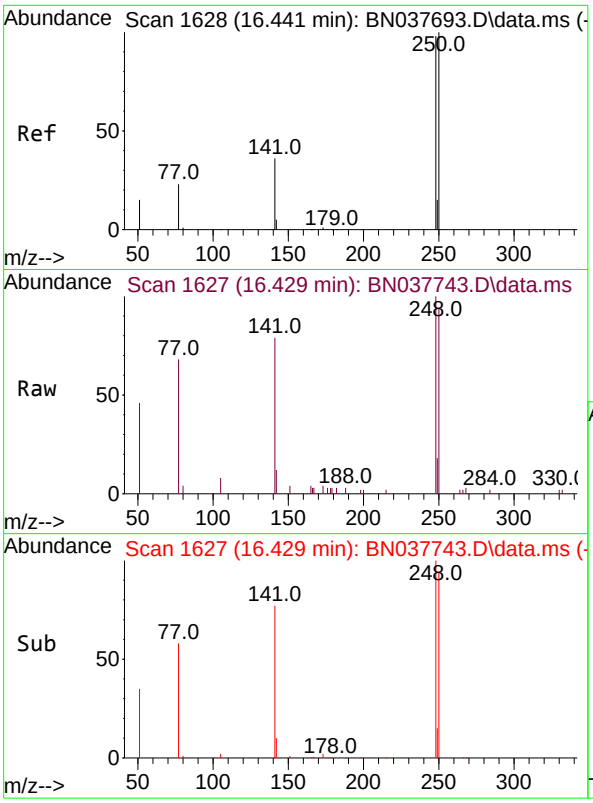


#20
4,6-Dinitro-2-methylphenol
Concen: 0.352 ng
RT: 15.609 min Scan# 1561
Delta R.T. 0.000 min
Lab File: BN037743.D
Acq: 17 Sep 2025 13:14

Tgt Ion:198 Resp: 499

Ion	Ratio	Lower	Upper
198	100		
51	107.4	95.1	142.7
105	62.5	53.8	80.6



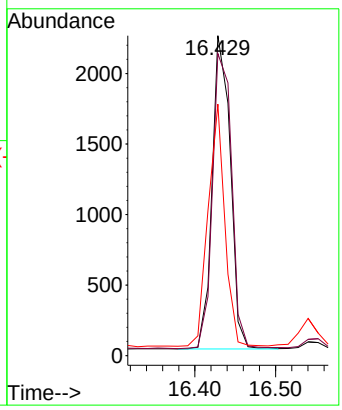


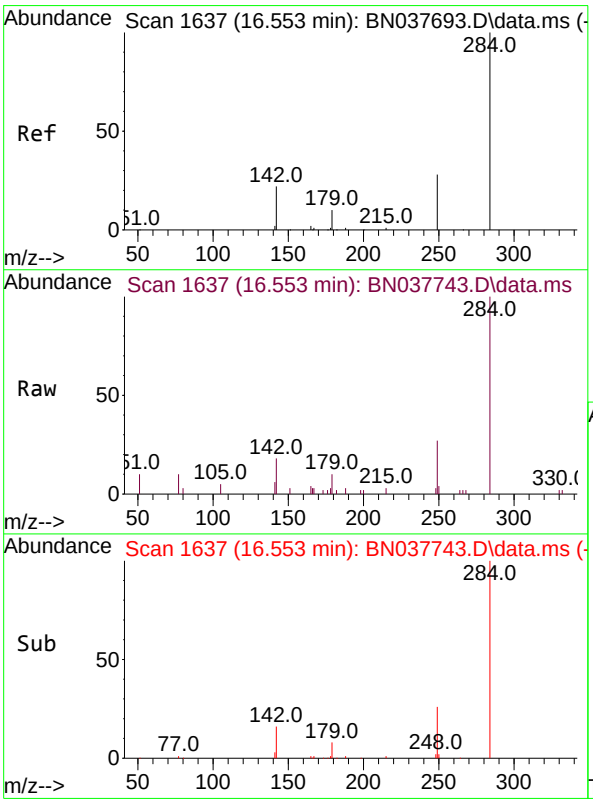
#21
4-Bromophenyl-phenylether
Concen: 0.347 ng
RT: 16.429 min Scan# 1(
Delta R.T. -0.013 min
Lab File: BN037743.D
Acq: 17 Sep 2025 13:14

Instrument :
BNA_N
ClientSampleId :
MW203D2-20250909MS

Tgt Ion:248 Resp: 3460

Ion	Ratio	Lower	Upper
248	100		
250	94.4	81.5	122.3
141	78.6	30.8	46.2#

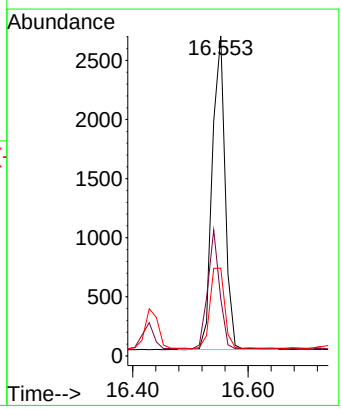


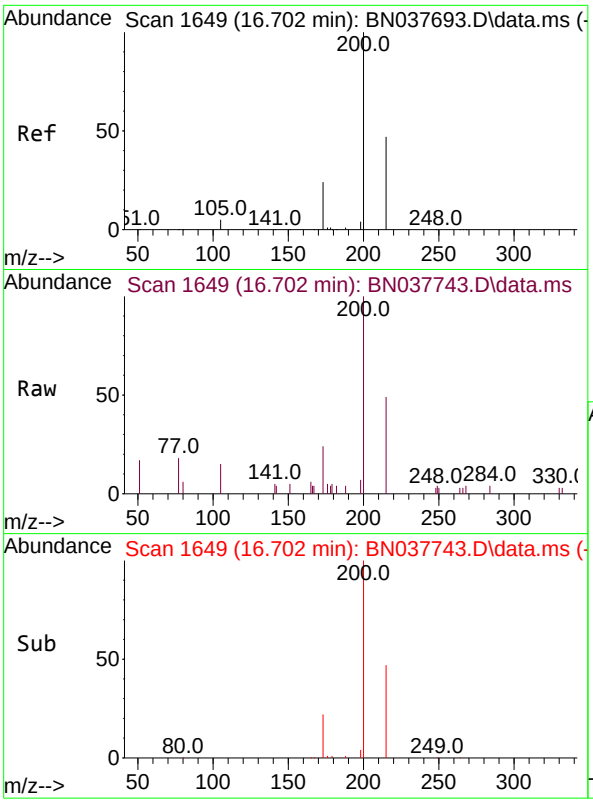


#22
Hexachlorobenzene
Concen: 0.359 ng
RT: 16.553 min Scan# 1637
Delta R.T. -0.000 min
Lab File: BN037743.D
Acq: 17 Sep 2025 13:14

Tgt Ion:284 Resp: 4115

Ion	Ratio	Lower	Upper
284	100		
142	35.2	30.9	46.3
249	29.6	24.8	37.2



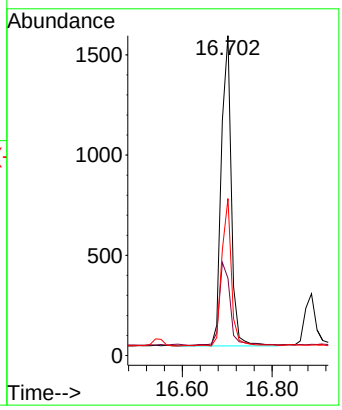


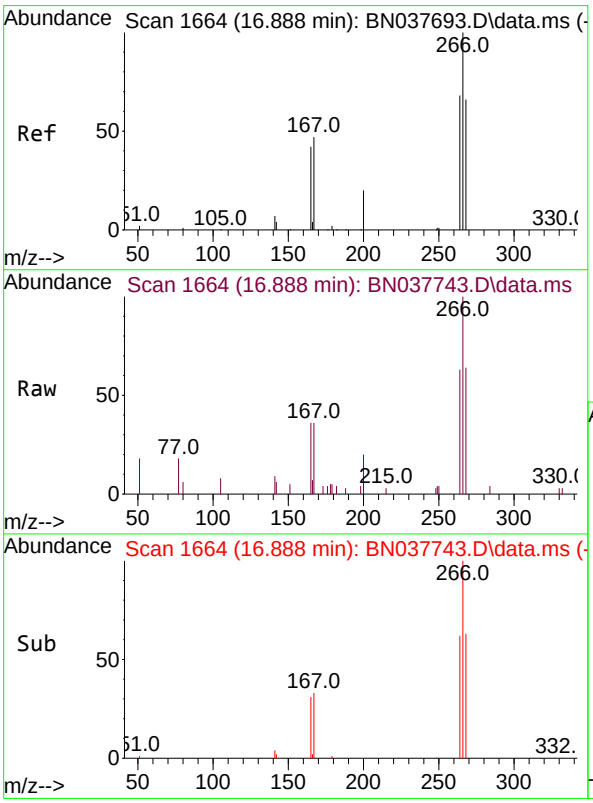
#23
Atrazine
Concen: 0.377 ng
RT: 16.702 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037743.D
Acq: 17 Sep 2025 13:14

Instrument :
BNA_N
ClientSampleId :
MW203D2-20250909MS

Tgt Ion:200 Resp: 2391

Ion	Ratio	Lower	Upper
200	100		
173	24.2	21.4	32.2
215	49.1	39.2	58.8

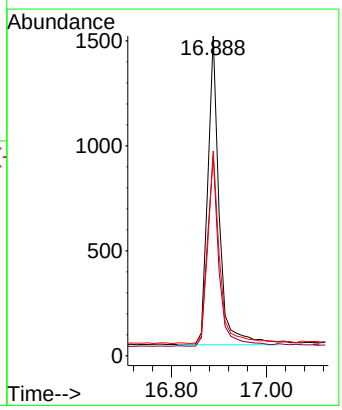


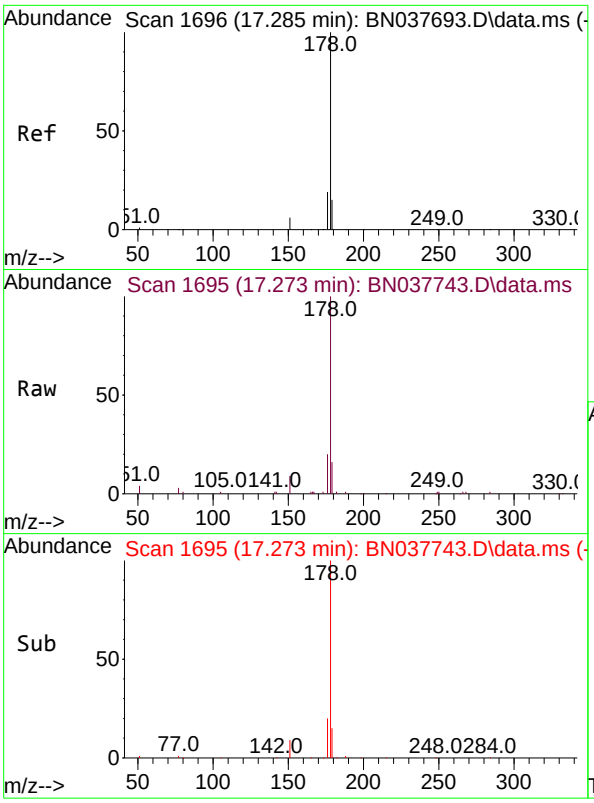


#24
Pentachlorophenol
Concen: 0.741 ng
RT: 16.888 min Scan# 1664
Delta R.T. -0.000 min
Lab File: BN037743.D
Acq: 17 Sep 2025 13:14

Tgt Ion:266 Resp: 2467

Ion	Ratio	Lower	Upper
266	100		
264	62.3	51.6	77.4
268	63.5	53.2	79.8



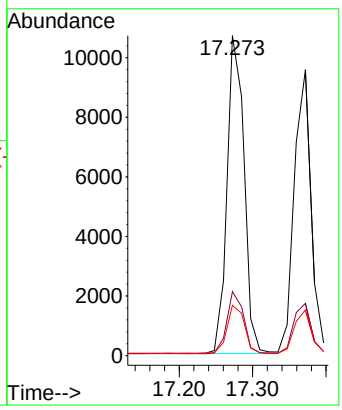


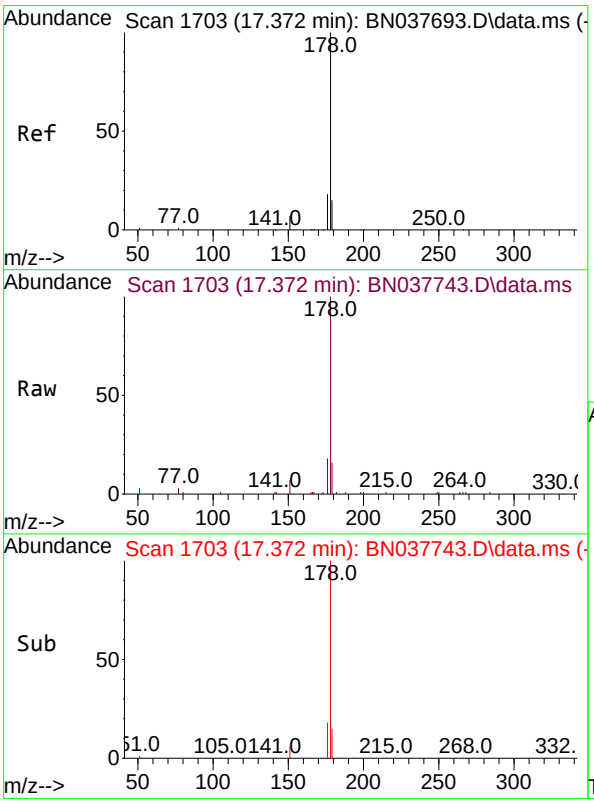
#25
Phenanthrene
Concen: 0.360 ng
RT: 17.273 min Scan# 1
Delta R.T. -0.013 min
Lab File: BN037743.D
Acq: 17 Sep 2025 13:14

Instrument :
BNA_N
ClientSampleId :
MW203D2-20250909MS

Tgt Ion:178 Resp: 17307

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.3	22.9
179	15.5	12.2	18.2

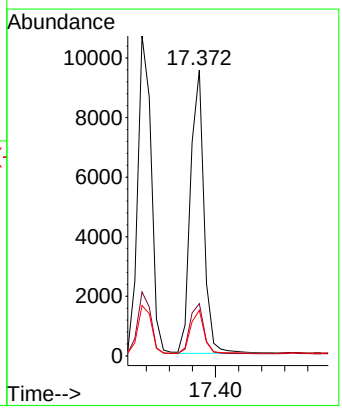


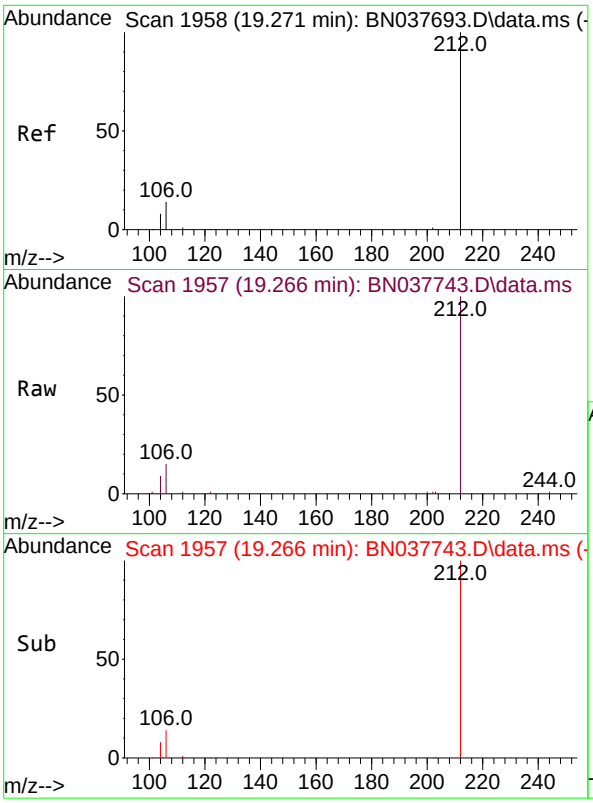


#26
Anthracene
Concen: 0.361 ng
RT: 17.372 min Scan# 1703
Delta R.T. -0.000 min
Lab File: BN037743.D
Acq: 17 Sep 2025 13:14

Tgt Ion:178 Resp: 15375

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.6	22.0
179	15.3	12.2	18.4



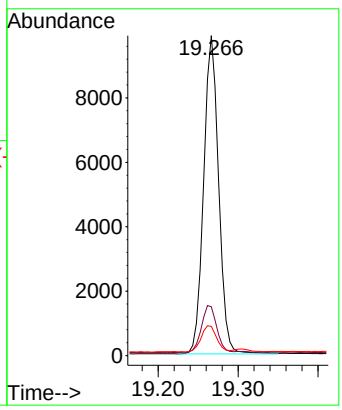


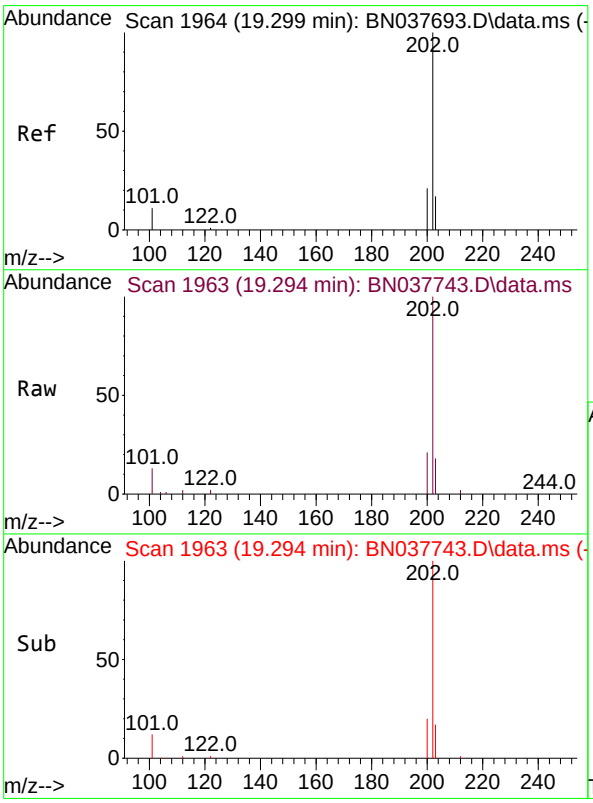
#27
Fluoranthene-d10
Concen: 0.334 ng
RT: 19.266 min Scan# 19
Delta R.T. -0.005 min
Lab File: BN037743.D
Acq: 17 Sep 2025 13:14

Instrument :
BNA_N
ClientSampleId :
MW203D2-20250909MS

Tgt Ion:212 Resp: 12832

Ion	Ratio	Lower	Upper
212	100		
106	15.1	12.2	18.2
104	8.4	6.9	10.3

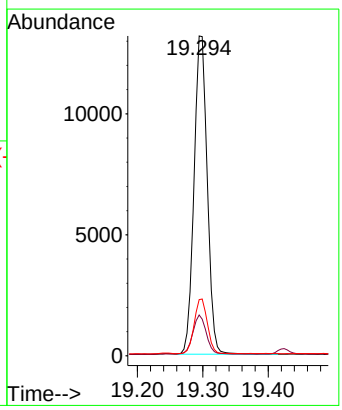


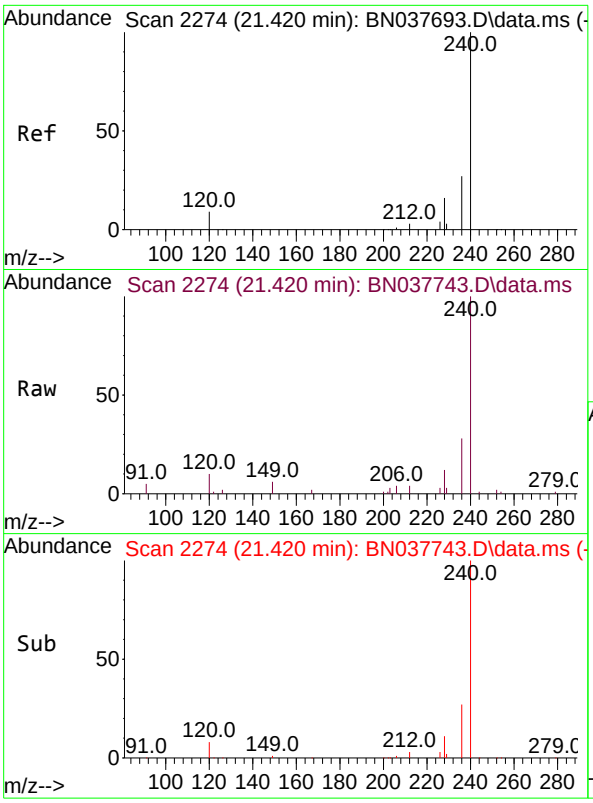


#28
Fluoranthene
Concen: 0.350 ng
RT: 19.294 min Scan# 1963
Delta R.T. -0.005 min
Lab File: BN037743.D
Acq: 17 Sep 2025 13:14

Tgt Ion:202 Resp: 18462

Ion	Ratio	Lower	Upper
202	100		
101	12.5	9.3	13.9
203	17.1	13.7	20.5



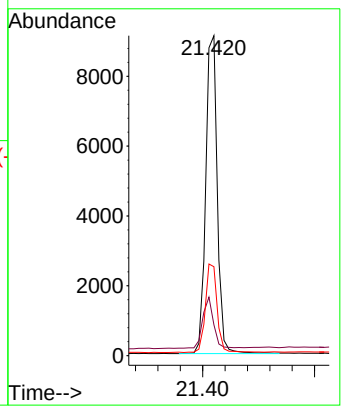


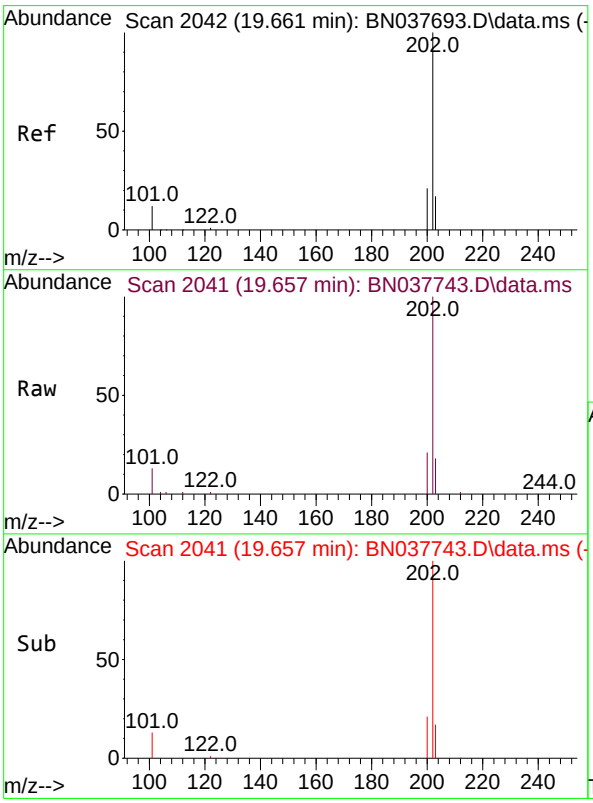
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.420 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN037743.D
Acq: 17 Sep 2025 13:14

Instrument :
BNA_N
ClientSampleId :
MW203D2-20250909MS

Tgt Ion:240 Resp: 13059

Ion	Ratio	Lower	Upper
240	100		
120	9.6	9.2	13.8
236	27.8	22.6	33.8

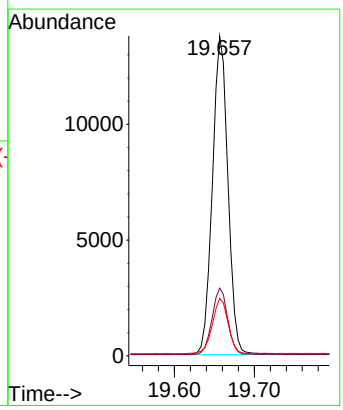


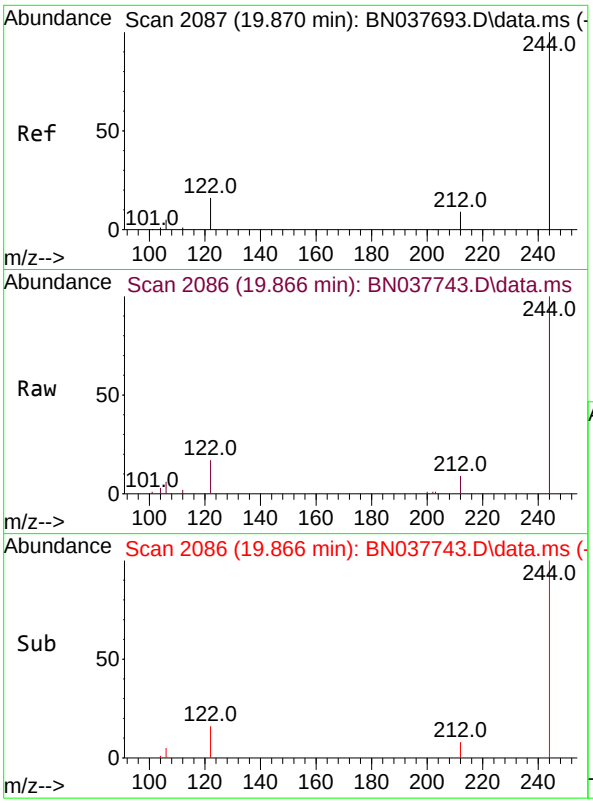


#30
Pyrene
Concen: 0.363 ng
RT: 19.657 min Scan# 2041
Delta R.T. -0.005 min
Lab File: BN037743.D
Acq: 17 Sep 2025 13:14

Tgt Ion:202 Resp: 18552

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.8	25.2
203	17.7	14.3	21.5



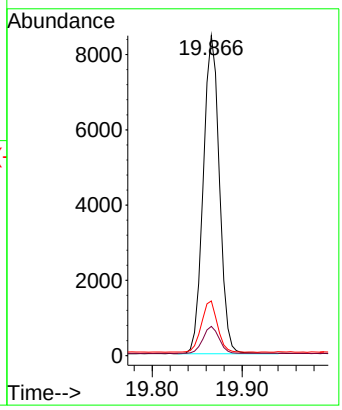


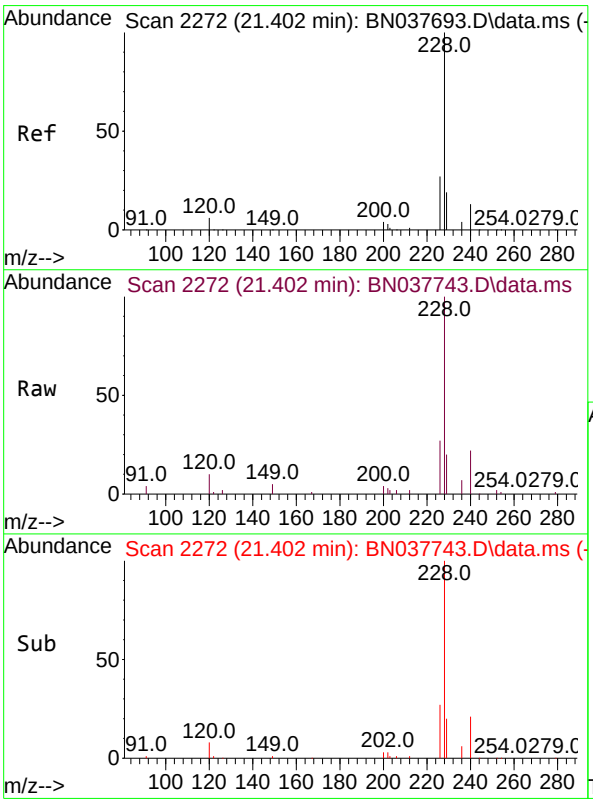
#31
Terphenyl-d14
Concen: 0.396 ng
RT: 19.866 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN037743.D
Acq: 17 Sep 2025 13:14

Instrument :
BNA_N
ClientSampleId :
MW203D2-20250909MS

Tgt Ion:244 Resp: 10504

Ion	Ratio	Lower	Upper
244	100		
212	9.1	7.5	11.3
122	17.1	13.2	19.8

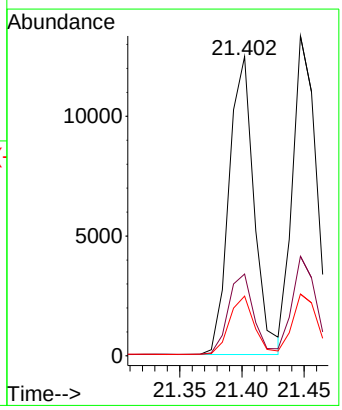


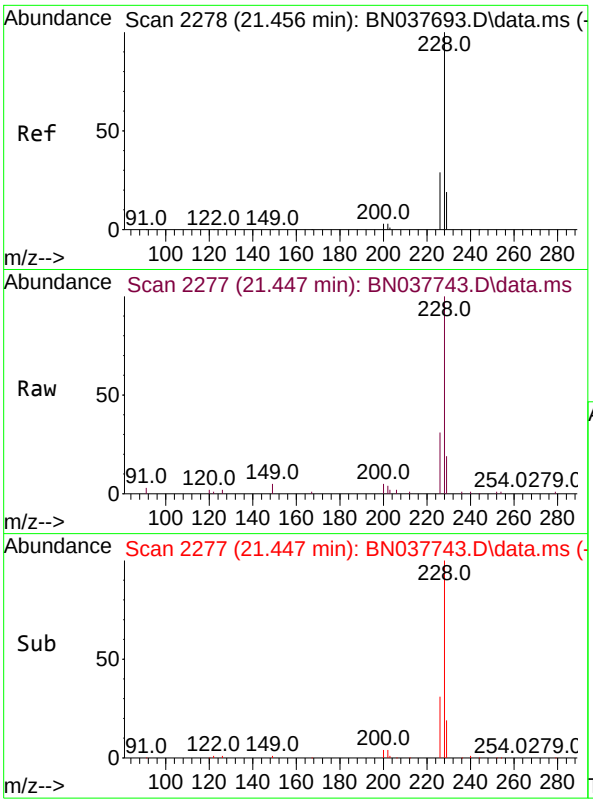


#32
Benzo(a)anthracene
Concen: 0.383 ng
RT: 21.402 min Scan# 2272
Delta R.T. -0.000 min
Lab File: BN037743.D
Acq: 17 Sep 2025 13:14

Tgt Ion:228 Resp: 17427

Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.2	33.2
229	20.0	15.8	23.6



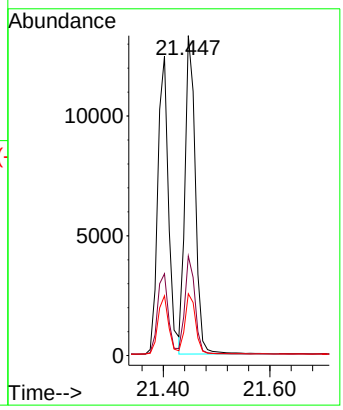


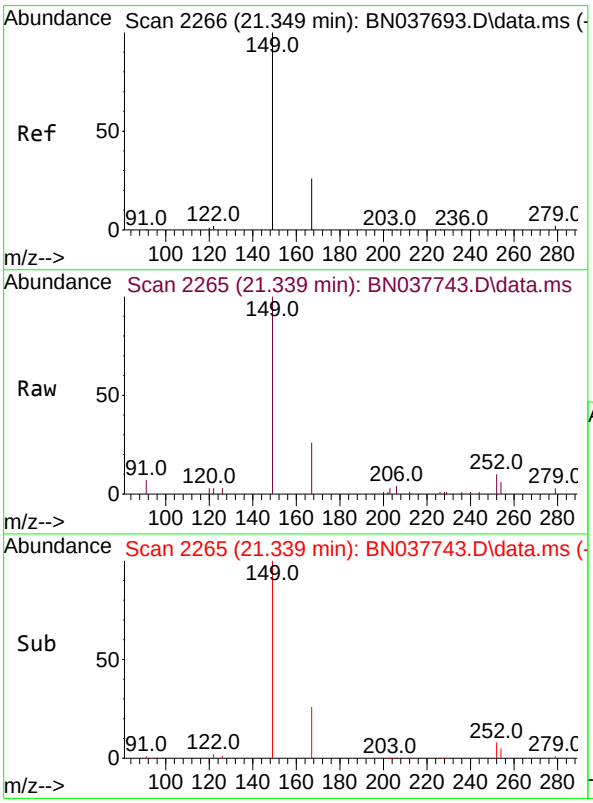
#33
Chrysene
Concen: 0.370 ng
RT: 21.447 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037743.D
Acq: 17 Sep 2025 13:14

Instrument :
BNA_N
ClientSampleId :
MW203D2-20250909MS

Tgt Ion:228 Resp: 18053

Ion	Ratio	Lower	Upper
228	100		
226	31.1	23.5	35.3
229	19.3	15.9	23.9

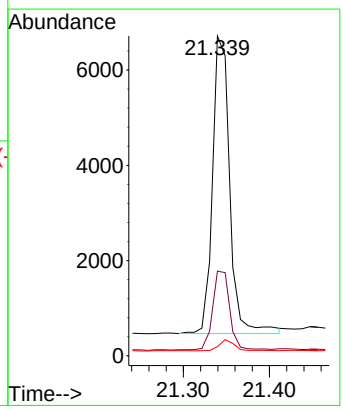


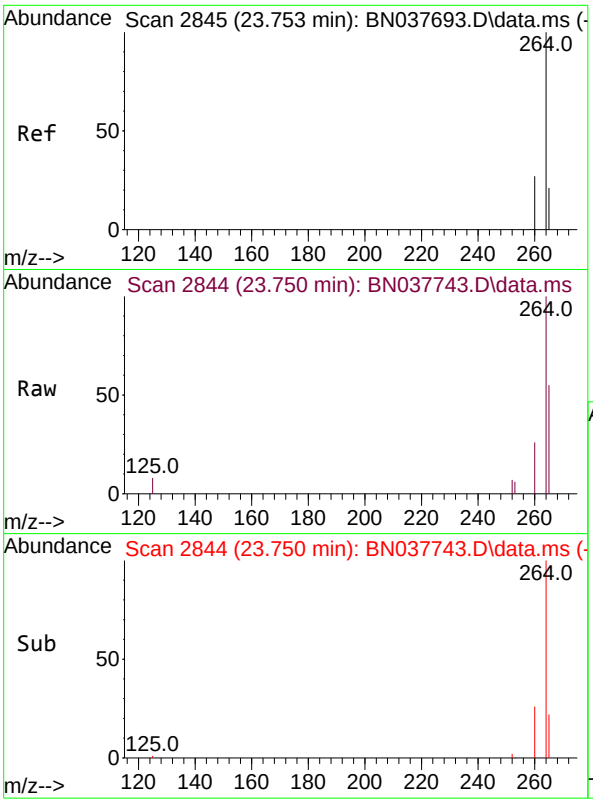


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.642 ng
RT: 21.339 min Scan# 2265
Delta R.T. -0.009 min
Lab File: BN037743.D
Acq: 17 Sep 2025 13:14

Tgt Ion:149 Resp: 8669

Ion	Ratio	Lower	Upper
149	100		
167	25.9	20.8	31.2
279	3.4	3.3	4.9



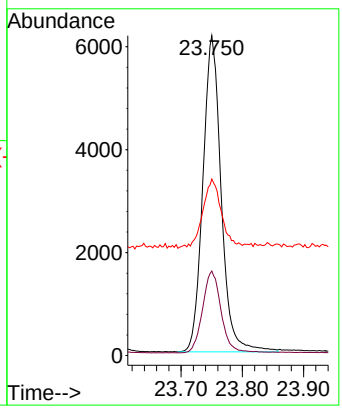


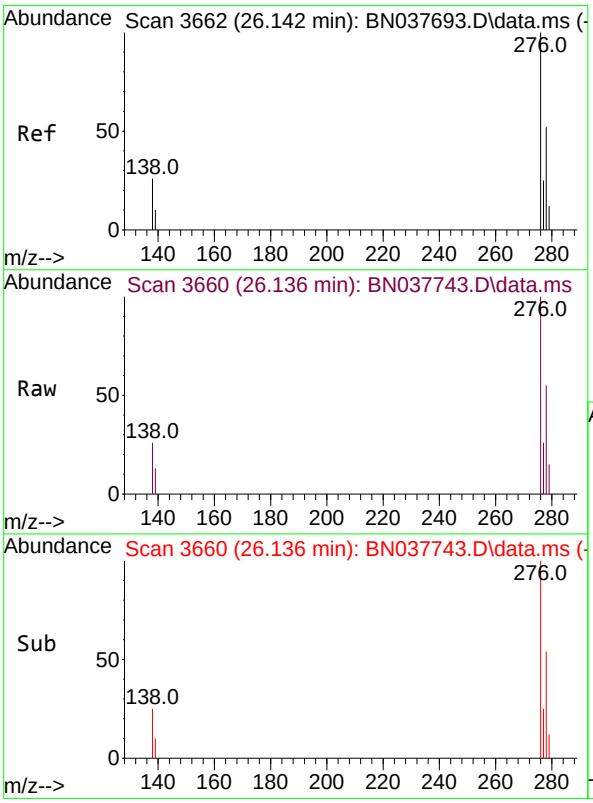
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.750 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN037743.D
Acq: 17 Sep 2025 13:14

Instrument :
BNA_N
ClientSampleId :
MW203D2-20250909MS

Tgt Ion:264 Resp: 12757

Ion	Ratio	Lower	Upper
264	100		
260	26.4	21.8	32.8
265	55.2	39.4	59.2

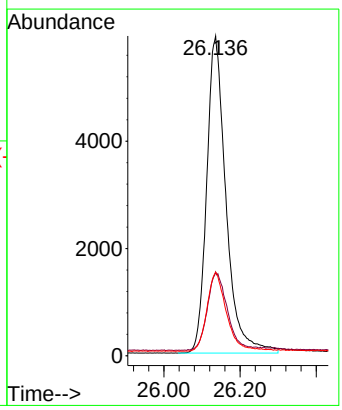


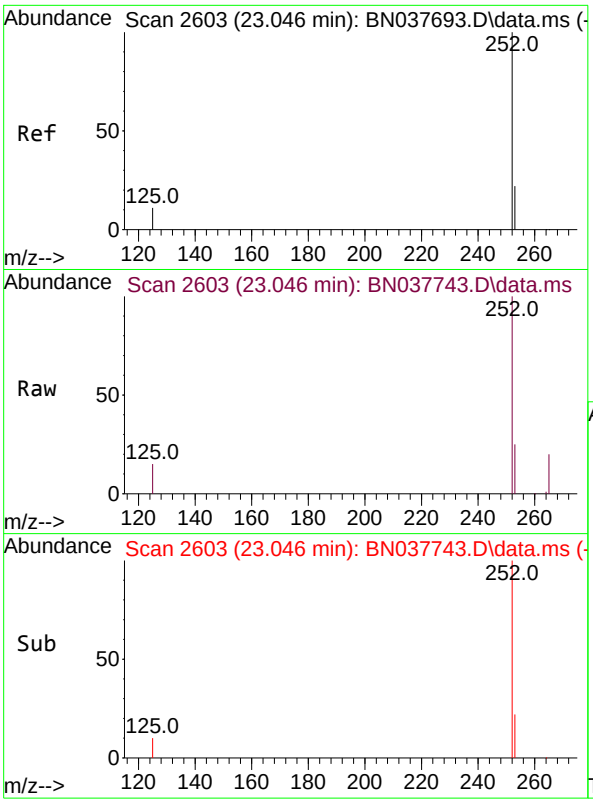


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.389 ng
RT: 26.136 min Scan# 3660
Delta R.T. -0.006 min
Lab File: BN037743.D
Acq: 17 Sep 2025 13:14

Tgt Ion:276 Resp: 20862

Ion	Ratio	Lower	Upper
276	100		
138	25.4	21.9	32.9
277	24.9	20.1	30.1



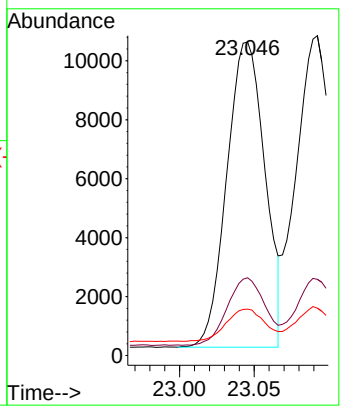


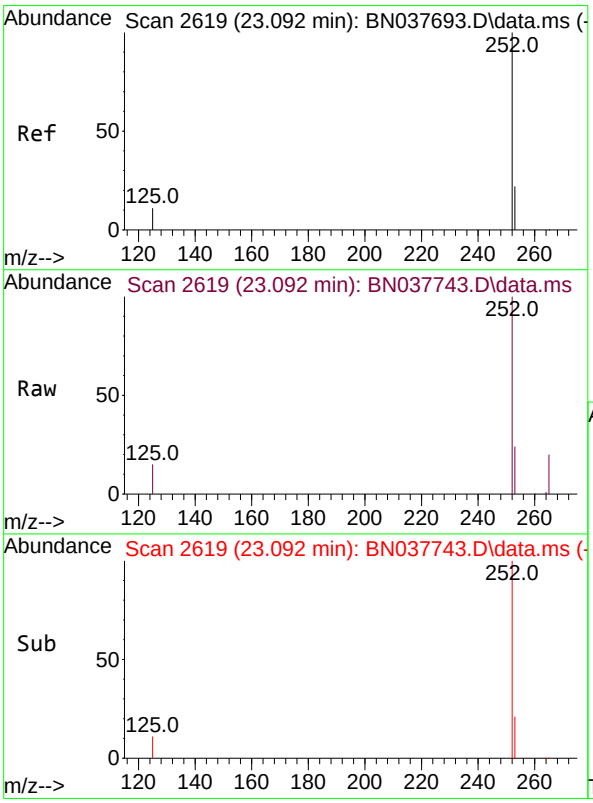
#37
Benzo(b)fluoranthene
Concen: 0.366 ng
RT: 23.046 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037743.D
Acq: 17 Sep 2025 13:14

Instrument :
BNA_N
ClientSampleId :
MW203D2-20250909MS

Tgt Ion:252 Resp: 18402

Ion	Ratio	Lower	Upper
252	100		
253	24.8	19.4	29.2
125	14.8	11.2	16.8

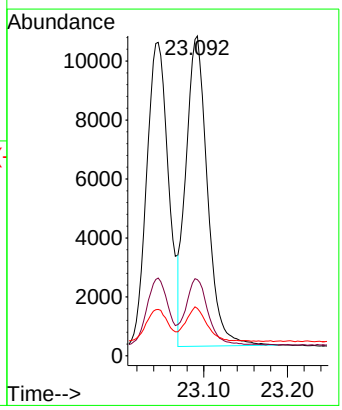


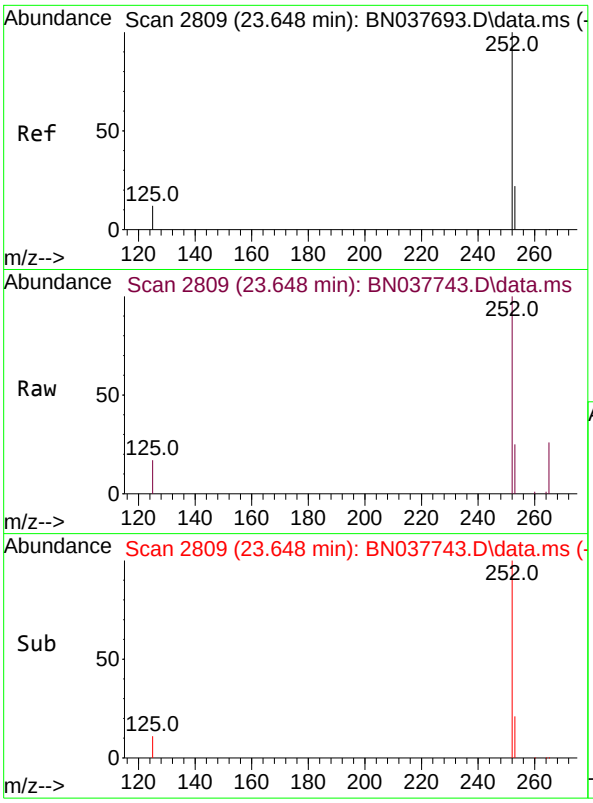


#38
Benzo(k)fluoranthene
Concen: 0.367 ng
RT: 23.092 min Scan# 2619
Delta R.T. -0.000 min
Lab File: BN037743.D
Acq: 17 Sep 2025 13:14

Tgt Ion:252 Resp: 18793

Ion	Ratio	Lower	Upper
252	100		
253	23.8	19.4	29.0
125	14.8	11.6	17.4



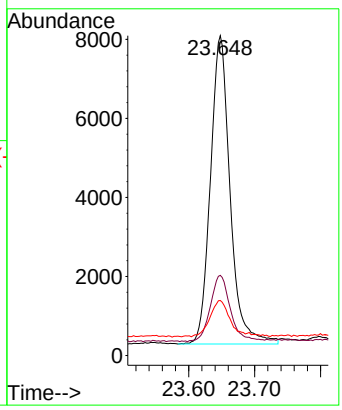


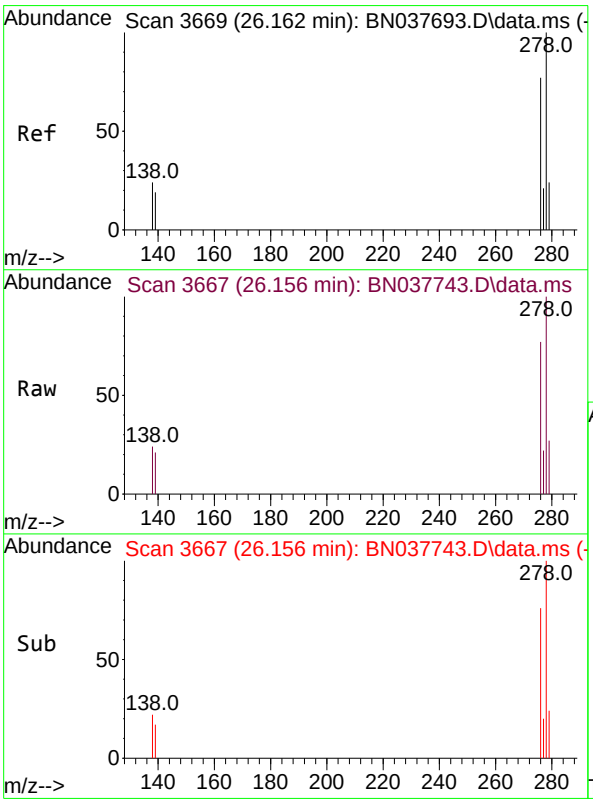
#39
Benzo(a)pyrene
Concen: 0.403 ng
RT: 23.648 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037743.D
Acq: 17 Sep 2025 13:14

Instrument :
BNA_N
ClientSampleId :
MW203D2-20250909MS

Tgt Ion:252 Resp: 16200

Ion	Ratio	Lower	Upper
252	100		
253	25.1	20.8	31.2
125	17.2	13.9	20.9

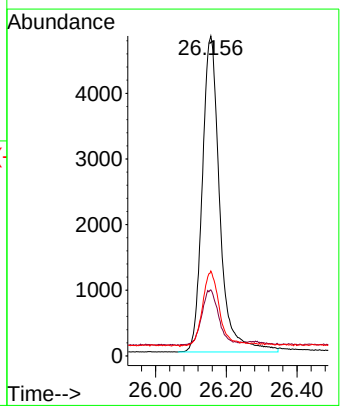


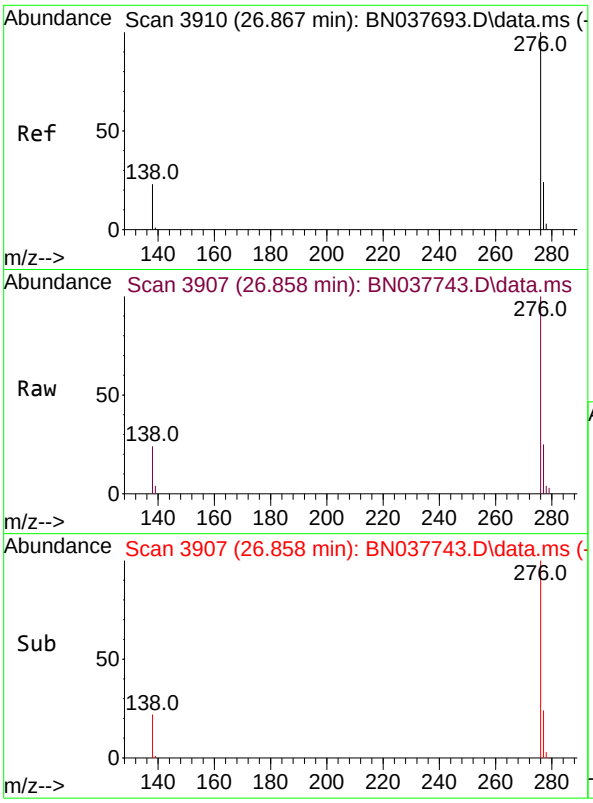


#40
Dibenzo(a,h)anthracene
Concen: 0.387 ng
RT: 26.156 min Scan# 3667
Delta R.T. -0.006 min
Lab File: BN037743.D
Acq: 17 Sep 2025 13:14

Tgt Ion:278 Resp: 16551

Ion	Ratio	Lower	Upper
278	100		
139	20.6	17.8	26.6
279	26.5	22.0	33.0



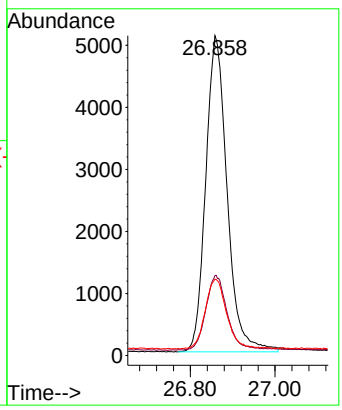


#41
Benzo(g,h,i)perylene
Concen: 0.372 ng
RT: 26.858 min Scan# 3
Delta R.T. -0.009 min
Lab File: BN037743.D
Acq: 17 Sep 2025 13:14

Instrument :
BNA_N
ClientSampleId :
MW203D2-20250909MS

Tgt Ion:276 Resp: 17872

Ion	Ratio	Lower	Upper
276	100		
277	25.0	20.6	31.0
138	23.9	20.2	30.2



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:	09/11/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	RE103D2-20250911MS	SDG No.:	Q3095
Lab Sample ID:	Q3097-02MS	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
BN037772.D	1	09/15/25 12:00	09/18/25 11:48	PB169693

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.72		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.28		30 - 150		70%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.35		30 - 150		87%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.33		55 - 111		81%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.30		53 - 106		76%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.43		58 - 132		107%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7220	7.833				
1146-65-2	Naphthalene-d8	19400	10.637				
15067-26-2	Acenaphthene-d10	8790	14.484				
1517-22-2	Phenanthrene-d10	14600	17.236				
1719-03-5	Chrysene-d12	11100	21.411				
1520-96-3	Perylene-d12	10700	23.744				

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

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091725\
Data File : BN037772.D
Acq On : 18 Sep 2025 11:48
Operator : RC/JU
Sample : Q3097-02MS
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE103D2-20250911MS

Quant Time: Sep 18 12:16:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

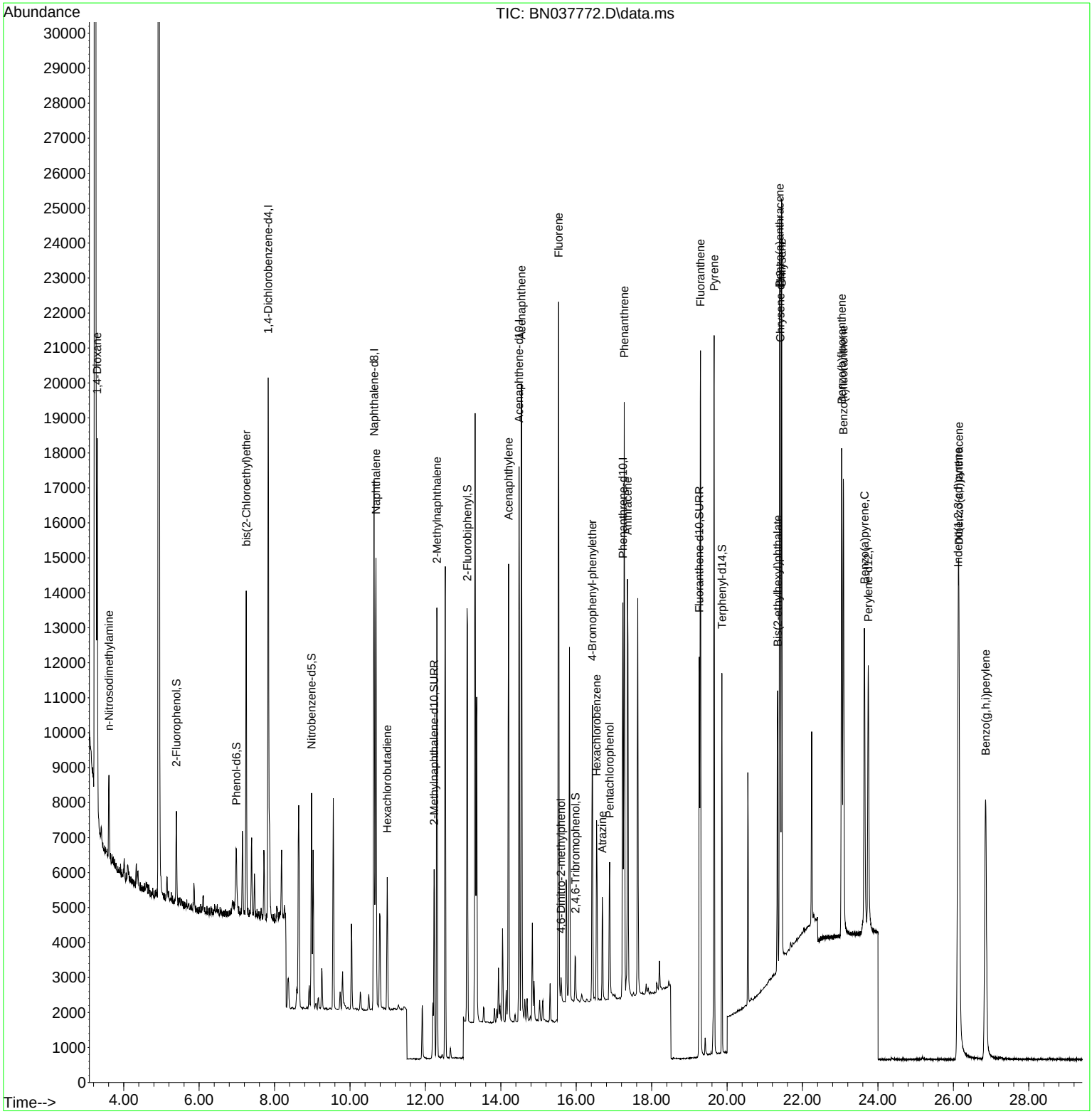
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.833	152	7218	0.400	ng		0.00
7) Naphthalene-d8	10.637	136	19437	0.400	ng		-0.01
13) Acenaphthene-d10	14.484	164	8792	0.400	ng		-0.01
19) Phenanthrene-d10	17.236	188	14560	0.400	ng		# 0.00
29) Chrysene-d12	21.411	240	11077	0.400	ng		# 0.00
35) Perylene-d12	23.744	264	10712	0.400	ng		# 0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.399	112	2158	0.130	ng		0.00
5) Phenol-d6	6.988	99	1612	0.075	ng		0.00
8) Nitrobenzene-d5	8.982	82	4623	0.325	ng		-0.01
11) 2-Methylnaphthalene-d10	12.233	152	7201	0.280	ng		-0.01
14) 2,4,6-Tribromophenol	15.982	330	880	0.384	ng		0.00
15) 2-Fluorobiphenyl	13.115	172	11146	0.303	ng		0.00
27) Fluoranthene-d10	19.262	212	12673	0.347	ng		0.00
31) Terphenyl-d14	19.861	244	9630	0.428	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.297	88	5443	0.724	ng		95
3) n-Nitrosodimethylamine	3.608	42	1281	0.130	ng		87
6) bis(2-Chloroethyl)ether	7.248	93	6334	0.330	ng		99
9) Naphthalene	10.690	128	17098	0.322	ng		99
10) Hexachlorobutadiene	10.989	225	2914	0.303	ng	#	100
12) 2-Methylnaphthalene	12.304	142	9253	0.282	ng		100
16) Acenaphthylene	14.206	152	13679	0.339	ng		100
17) Acenaphthene	14.548	154	8588	0.315	ng		99
18) Fluorene	15.535	166	10257	0.311	ng		98
20) 4,6-Dinitro-2-methylph...	15.597	198	483	0.358	ng	#	72
21) 4-Bromophenyl-phenylether	16.429	248	3439	0.362	ng	#	89
22) Hexachlorobenzene	16.540	284	4153	0.380	ng		97
23) Atrazine	16.689	200	2516	0.417	ng	#	91
24) Pentachlorophenol	16.888	266	2259	0.712	ng		97
25) Phenanthrene	17.273	178	17041	0.372	ng		100
26) Anthracene	17.360	178	14357	0.354	ng		100
28) Fluoranthene	19.294	202	18098	0.360	ng		99
30) Pyrene	19.657	202	18207	0.420	ng		100
32) Benzo(a)anthracene	21.393	228	16075	0.416	ng		100
33) Chrysene	21.447	228	17366	0.419	ng		99
34) Bis(2-ethylhexyl)phtha...	21.340	149	5730	0.500	ng		98
36) Indeno(1,2,3-cd)pyrene	26.127	276	20796	0.462	ng		99
37) Benzo(b)fluoranthene	23.037	252	18047	0.428	ng		97
38) Benzo(k)fluoranthene	23.084	252	17770	0.413	ng		97
39) Benzo(a)pyrene	23.642	252	14195	0.420	ng		97
40) Dibenzo(a,h)anthracene	26.148	278	16460	0.458	ng		98
41) Benzo(g,h,i)perylene	26.855	276	17542	0.435	ng		98

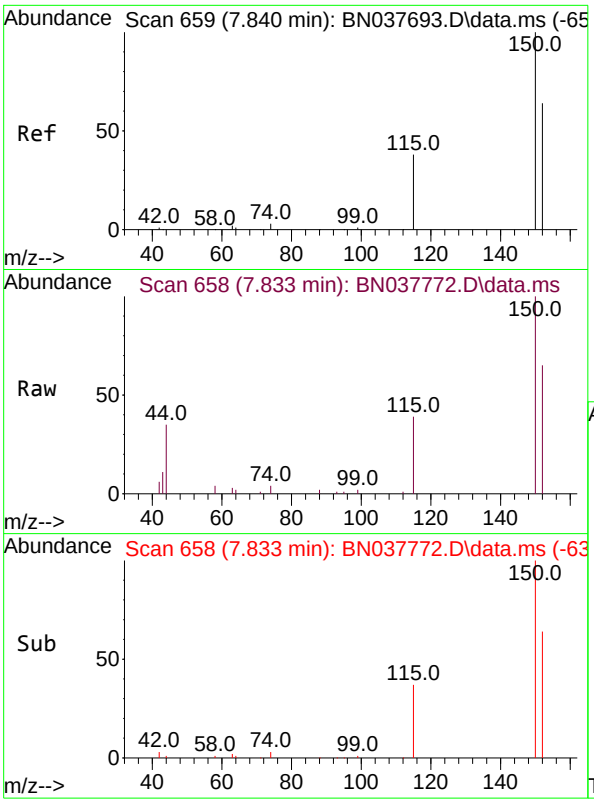
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091725\
Data File : BN037772.D
Acq On : 18 Sep 2025 11:48
Operator : RC/JU
Sample : Q3097-02MS
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE103D2-20250911MS

Quant Time: Sep 18 12:16:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration



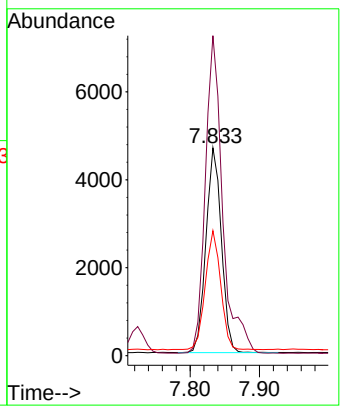


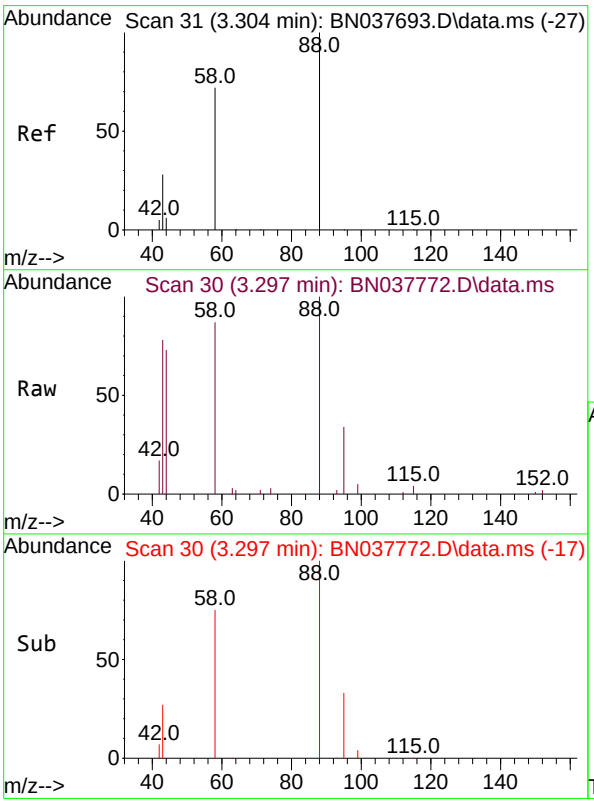
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.833 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN037772.D
Acq: 18 Sep 2025 11:48

Instrument :
BNA_N
ClientSampleId :
RE103D2-20250911MS

Tgt Ion:152 Resp: 7218

Ion	Ratio	Lower	Upper
152	100		
150	154.1	124.5	186.7
115	60.1	49.2	73.8

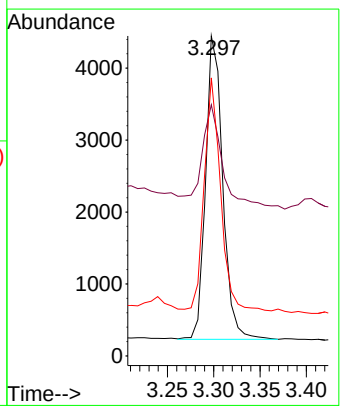


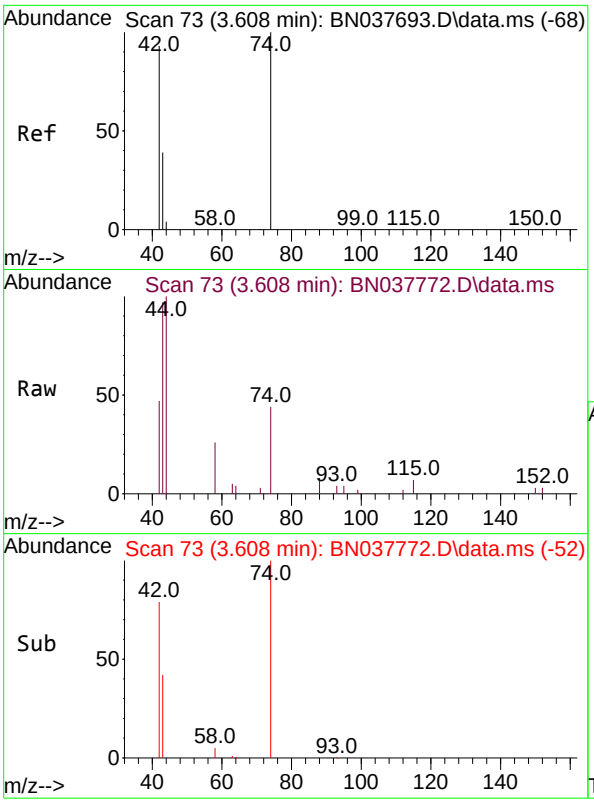


#2
1,4-Dioxane
Concen: 0.724 ng
RT: 3.297 min Scan# 30
Delta R.T. -0.007 min
Lab File: BN037772.D
Acq: 18 Sep 2025 11:48

Tgt Ion: 88 Resp: 5443

Ion	Ratio	Lower	Upper
88	100		
43	37.1	26.8	40.2
58	73.0	61.9	92.9



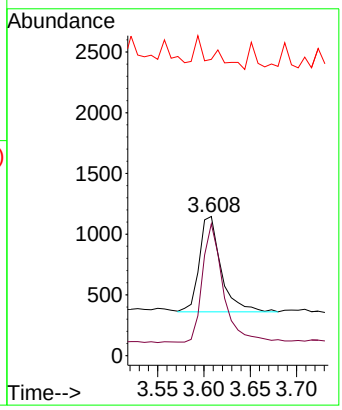


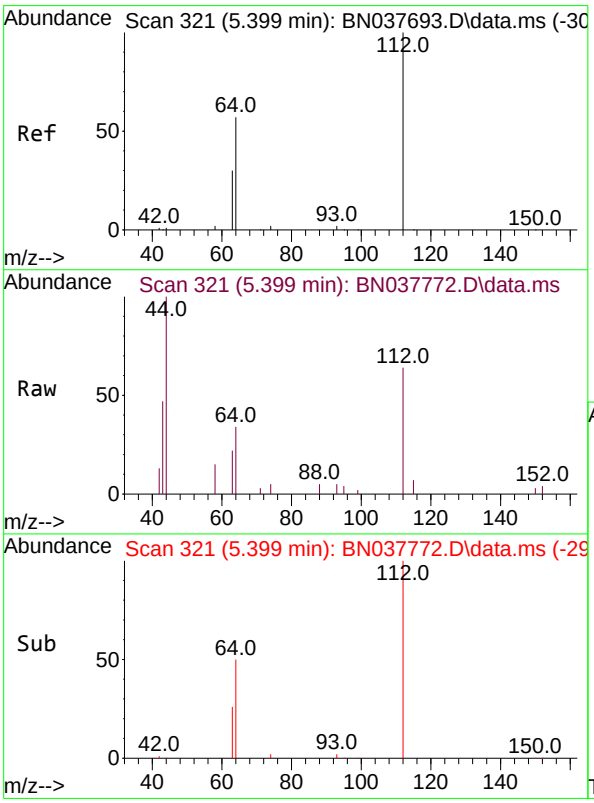
#3
n-Nitrosodimethylamine
Concen: 0.130 ng
RT: 3.608 min Scan# 7
Delta R.T. 0.000 min
Lab File: BN037772.D
Acq: 18 Sep 2025 11:48

Instrument :
BNA_N
ClientSampleId :
RE103D2-20250911MS

Tgt Ion: 42 Resp: 1281

Ion	Ratio	Lower	Upper
42	100		
74	121.5	86.0	129.0
44	11.9	8.4	12.6

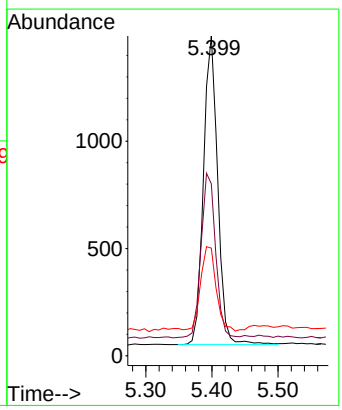


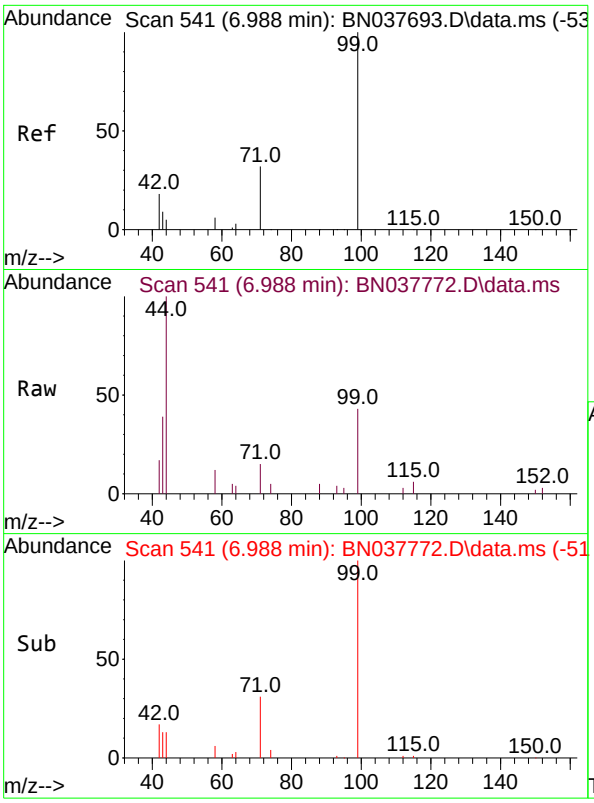


#4
2-Fluorophenol
Concen: 0.130 ng
RT: 5.399 min Scan# 321
Delta R.T. 0.000 min
Lab File: BN037772.D
Acq: 18 Sep 2025 11:48

Tgt Ion:112 Resp: 2158

Ion	Ratio	Lower	Upper
112	100		
64	54.4	44.9	67.3
63	29.7	24.7	37.1



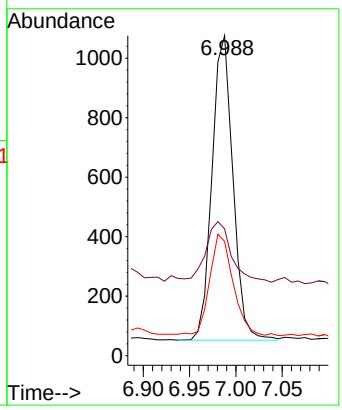


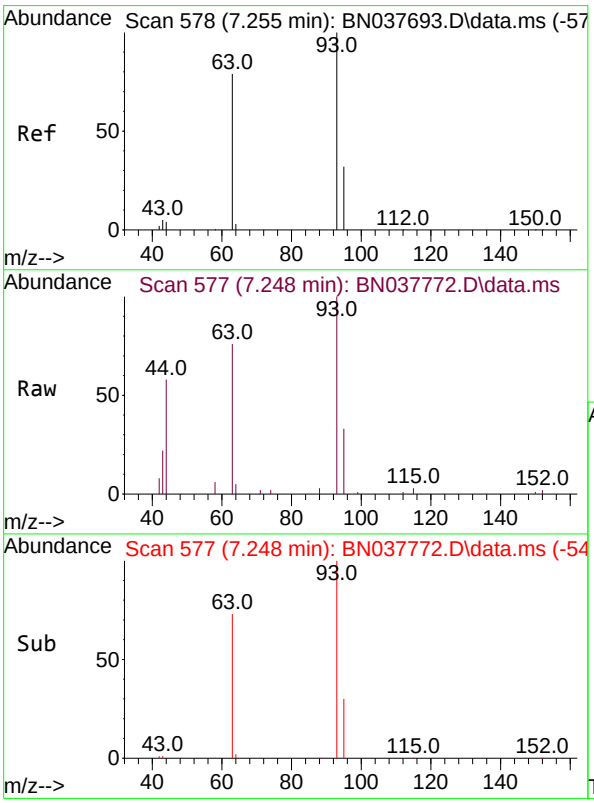
#5
Phenol-d6
Concen: 0.075 ng
RT: 6.988 min Scan# 54
Delta R.T. 0.000 min
Lab File: BN037772.D
Acq: 18 Sep 2025 11:48

Instrument :
BNA_N
ClientSampleId :
RE103D2-20250911MS

Tgt Ion: 99 Resp: 1612

Ion	Ratio	Lower	Upper
99	100		
42	24.2	16.6	24.8
71	36.7	26.7	40.1

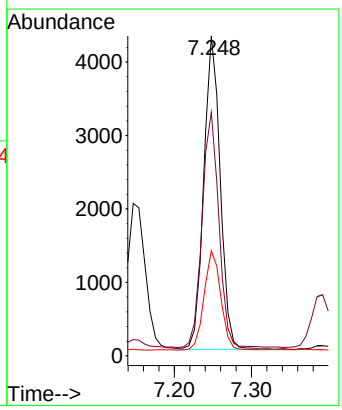


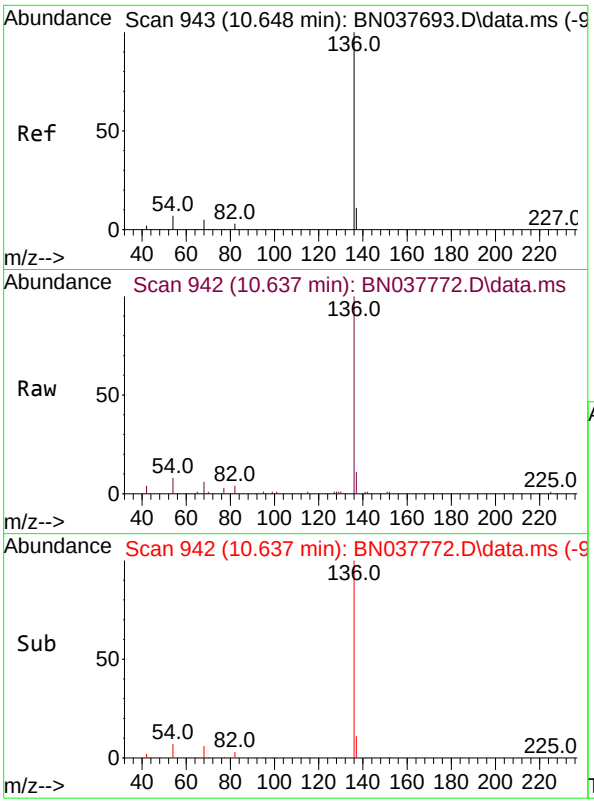


#6
bis(2-Chloroethyl)ether
Concen: 0.330 ng
RT: 7.248 min Scan# 577
Delta R.T. -0.007 min
Lab File: BN037772.D
Acq: 18 Sep 2025 11:48

Tgt Ion: 93 Resp: 6334

Ion	Ratio	Lower	Upper
93	100		
63	76.1	60.6	90.8
95	32.0	26.0	39.0



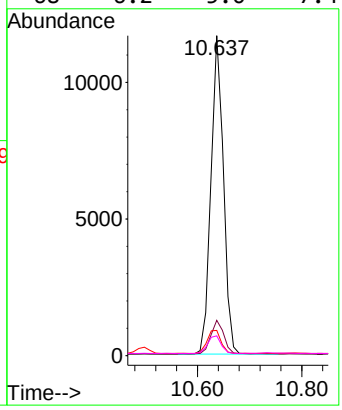


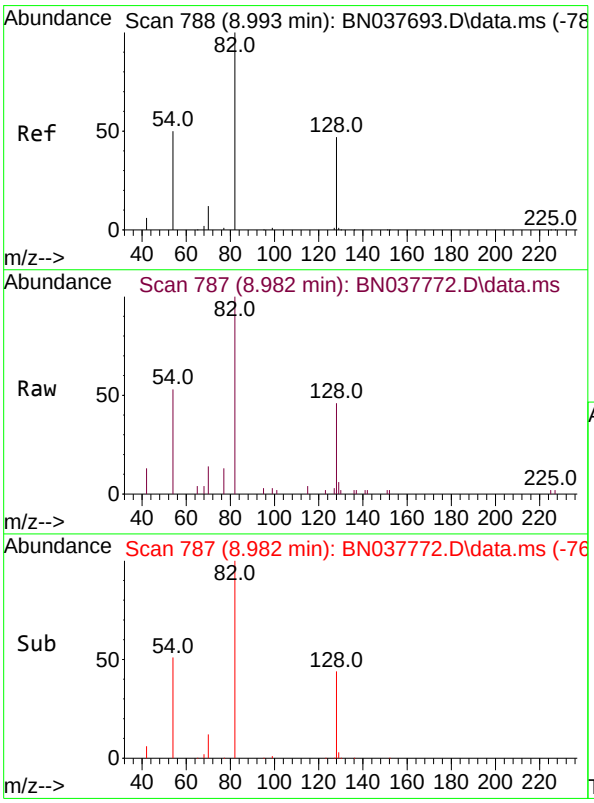
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.637 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037772.D
Acq: 18 Sep 2025 11:48

Instrument :
BNA_N
ClientSampleId :
RE103D2-20250911MS

Tgt Ion:136 Resp: 19437

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.1	13.7
54	7.9	6.3	9.5
68	6.2	5.0	7.4

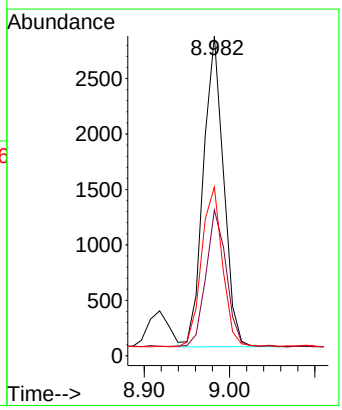


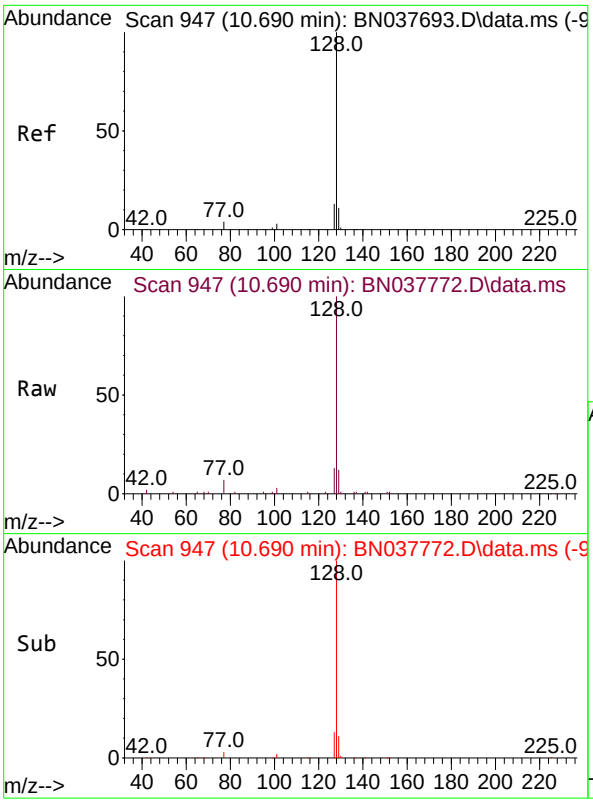


#8
Nitrobenzene-d5
Concen: 0.325 ng
RT: 8.982 min Scan# 787
Delta R.T. -0.011 min
Lab File: BN037772.D
Acq: 18 Sep 2025 11:48

Tgt Ion: 82 Resp: 4623

Ion	Ratio	Lower	Upper
82	100		
128	45.6	38.3	57.5
54	52.8	41.4	62.2



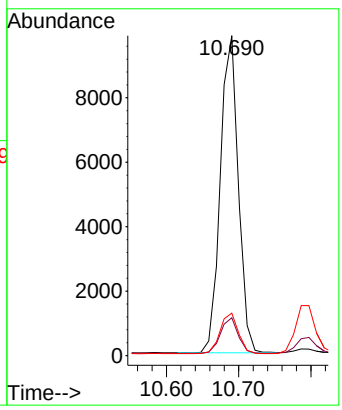


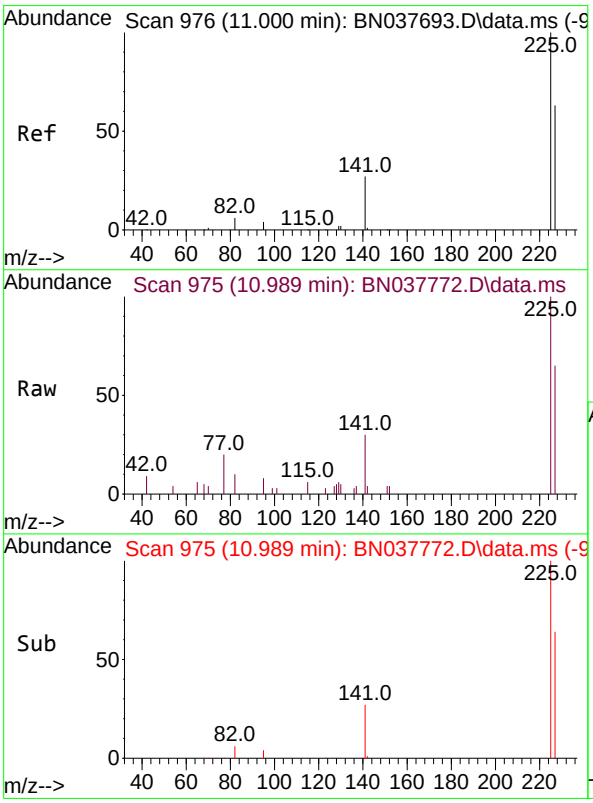
#9
Naphthalene
Concen: 0.322 ng
RT: 10.690 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN037772.D
Acq: 18 Sep 2025 11:48

Instrument :
BNA_N
ClientSampleId :
RE103D2-20250911MS

Tgt Ion:128 Resp: 17098

Ion	Ratio	Lower	Upper
128	100		
129	11.8	9.1	13.7
127	13.3	10.9	16.3

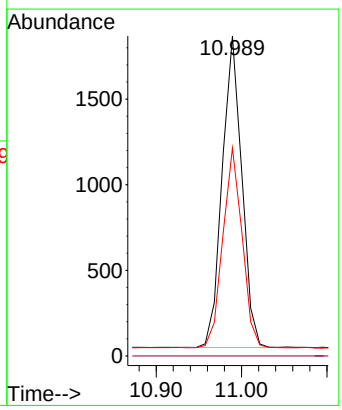


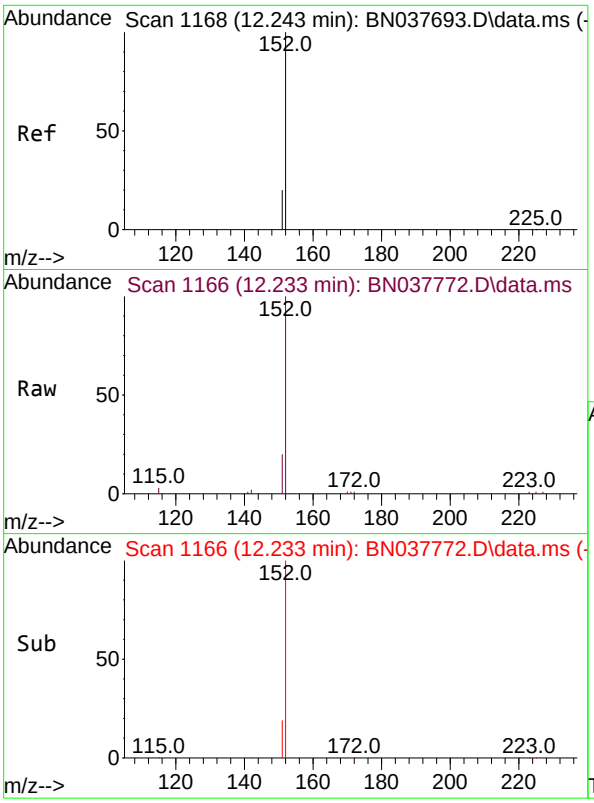


#10
Hexachlorobutadiene
Concen: 0.303 ng
RT: 10.989 min Scan# 975
Delta R.T. -0.011 min
Lab File: BN037772.D
Acq: 18 Sep 2025 11:48

Tgt Ion:225 Resp: 2914

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.3	50.9	76.3



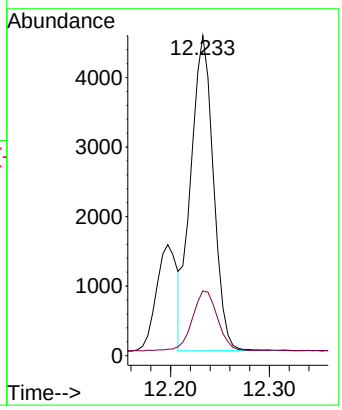


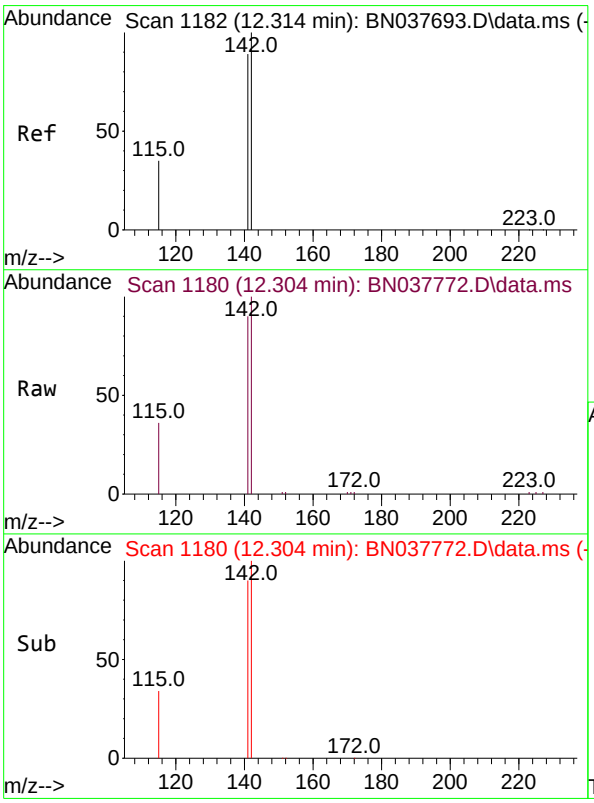
#11
2-Methylnaphthalene-d10
Concen: 0.280 ng
RT: 12.233 min Scan# 11
Delta R.T. -0.010 min
Lab File: BN037772.D
Acq: 18 Sep 2025 11:48

Instrument :
BNA_N
ClientSampleId :
RE103D2-20250911MS

Tgt Ion:152 Resp: 7201

Ion	Ratio	Lower	Upper
152	100		
151	21.4	17.0	25.6

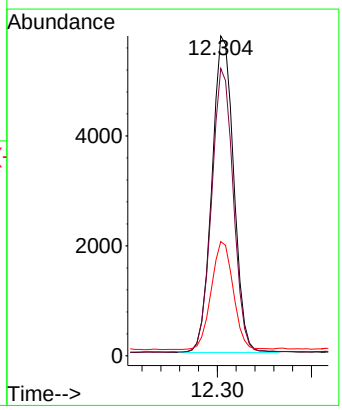


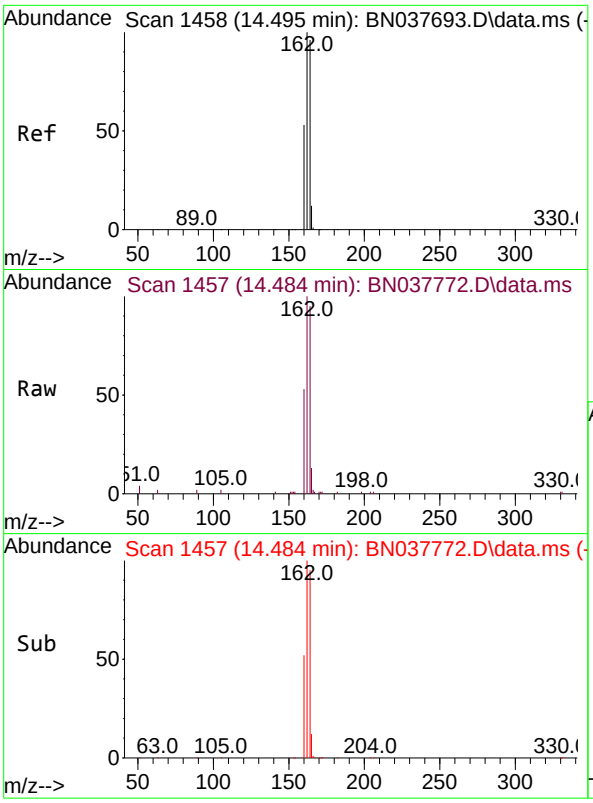


#12
2-Methylnaphthalene
Concen: 0.282 ng
RT: 12.304 min Scan# 1180
Delta R.T. -0.010 min
Lab File: BN037772.D
Acq: 18 Sep 2025 11:48

Tgt Ion:142 Resp: 9253

Ion	Ratio	Lower	Upper
142	100		
141	89.8	71.6	107.4
115	35.7	28.6	43.0



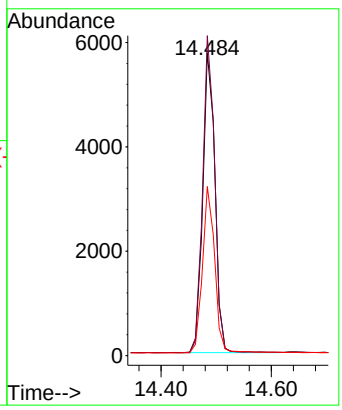


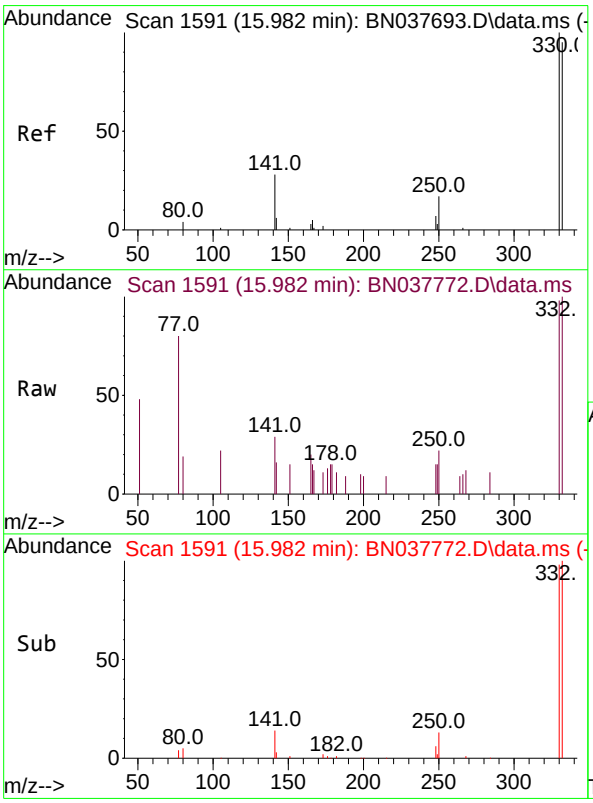
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.484 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN037772.D
Acq: 18 Sep 2025 11:48

Instrument :
BNA_N
ClientSampleId :
RE103D2-20250911MS

Tgt Ion:164 Resp: 8792

Ion	Ratio	Lower	Upper
164	100		
162	105.6	83.1	124.7
160	55.8	44.3	66.5

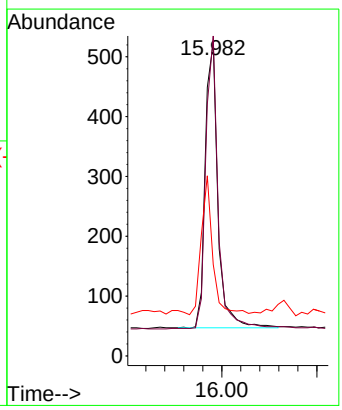


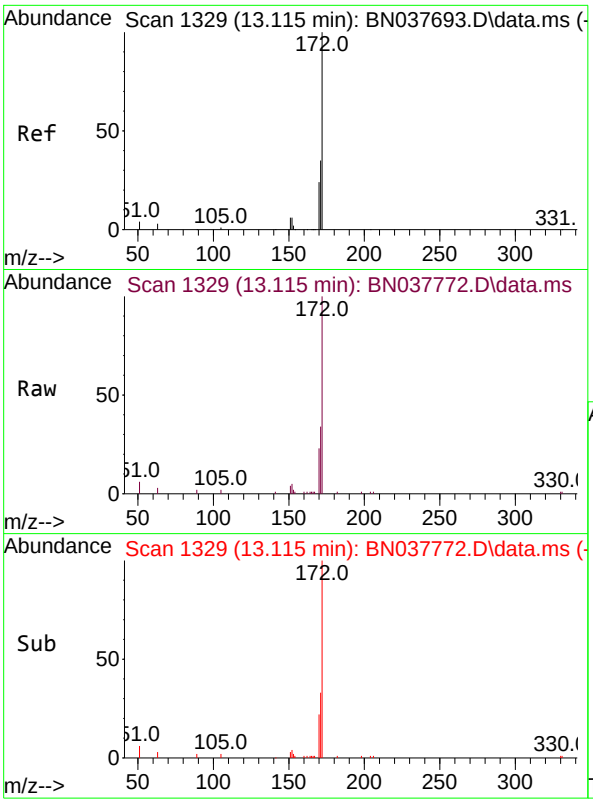


#14
2,4,6-Tribromophenol
Concen: 0.384 ng
RT: 15.982 min Scan# 1591
Delta R.T. -0.000 min
Lab File: BN037772.D
Acq: 18 Sep 2025 11:48

Tgt Ion:330 Resp: 880

Ion	Ratio	Lower	Upper
330	100		
332	100.5	75.3	112.9
141	43.6	35.0	52.4



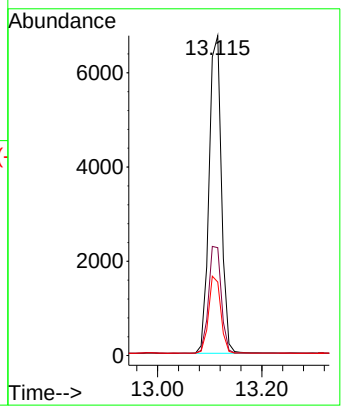


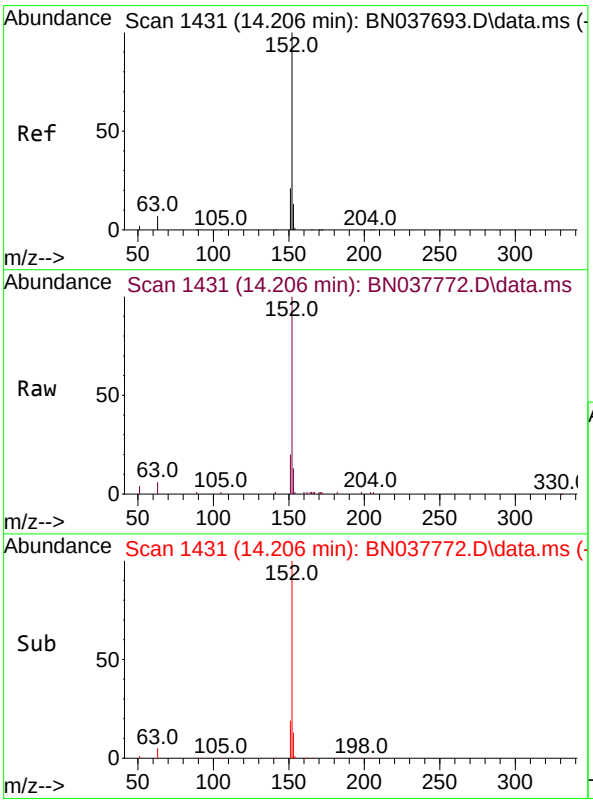
#15
2-Fluorobiphenyl
Concen: 0.303 ng
RT: 13.115 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037772.D
Acq: 18 Sep 2025 11:48

Instrument :
BNA_N
ClientSampleId :
RE103D2-20250911MS

Tgt Ion:172 Resp: 11146

Ion	Ratio	Lower	Upper
172	100		
171	33.7	28.6	43.0
170	23.0	19.8	29.8

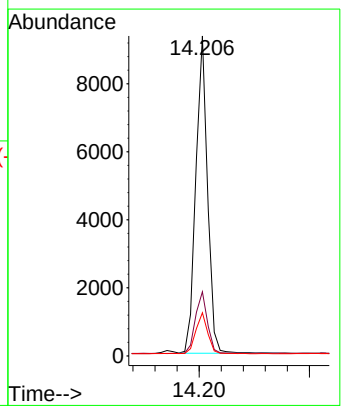


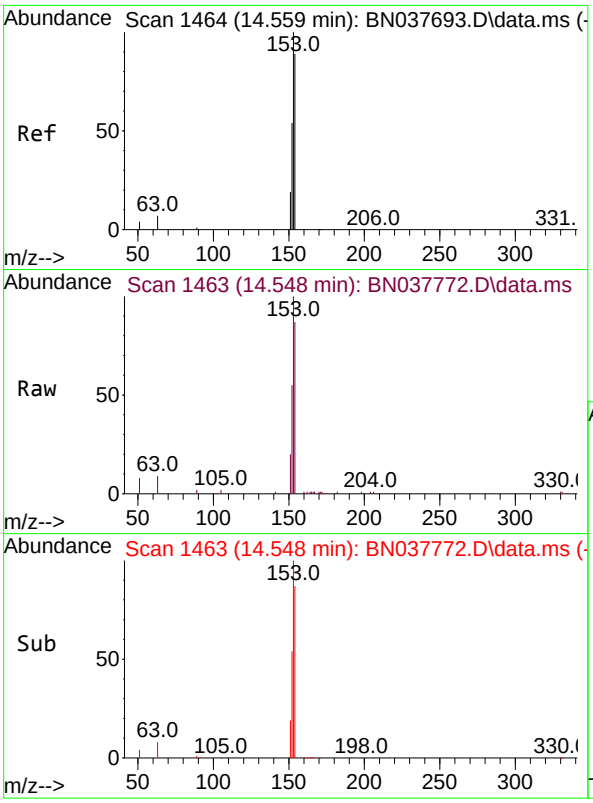


#16
Acenaphthylene
Concen: 0.339 ng
RT: 14.206 min Scan# 1431
Delta R.T. 0.000 min
Lab File: BN037772.D
Acq: 18 Sep 2025 11:48

Tgt Ion:152 Resp: 13679

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.2	24.2
153	13.2	10.4	15.6



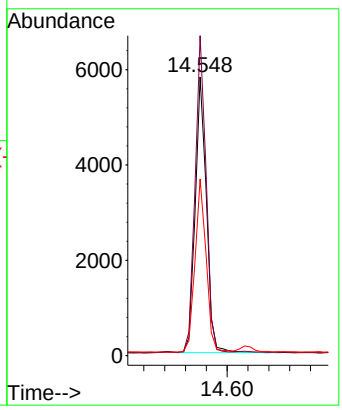


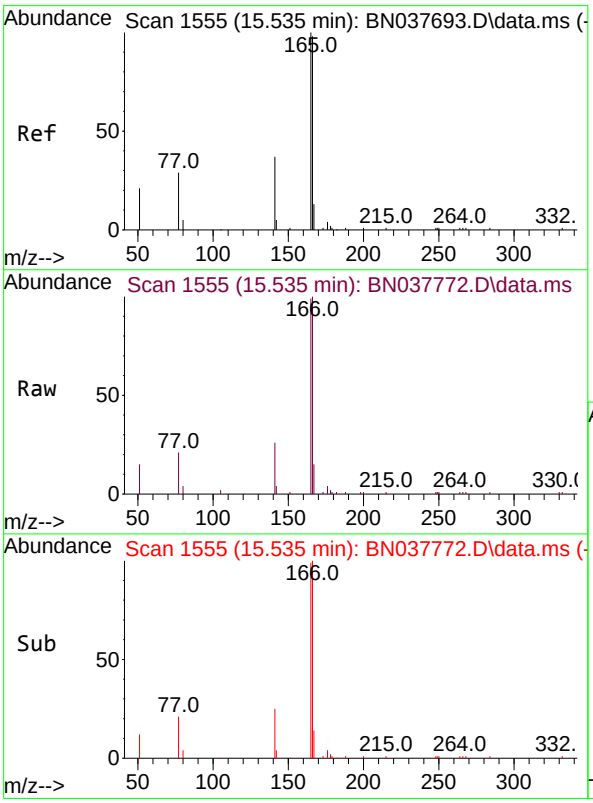
#17
Acenaphthene
Concen: 0.315 ng
RT: 14.548 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN037772.D
Acq: 18 Sep 2025 11:48

Instrument :
BNA_N
ClientSampleId :
RE103D2-20250911MS

Tgt Ion:154 Resp: 8588

Ion	Ratio	Lower	Upper
154	100		
153	113.3	89.8	134.8
152	62.5	50.2	75.2

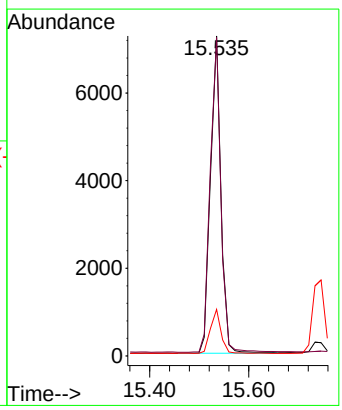


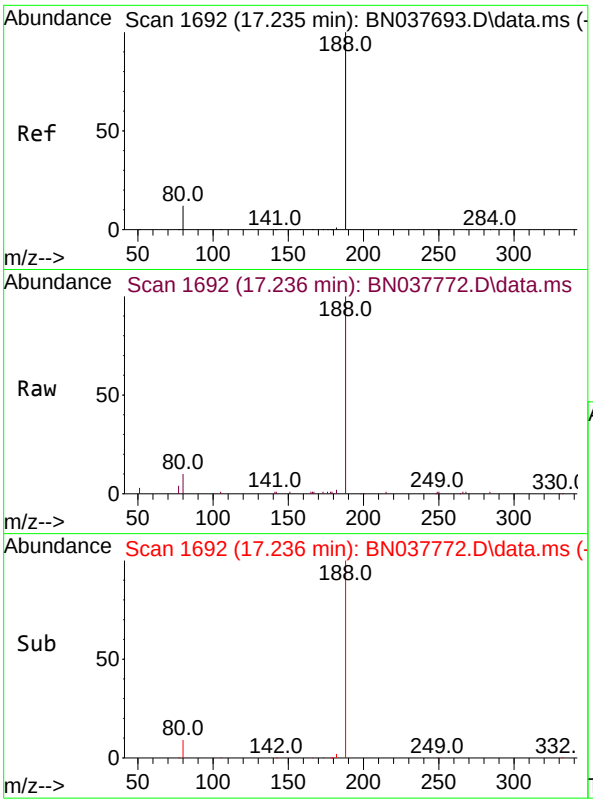


#18
Fluorene
Concen: 0.311 ng
RT: 15.535 min Scan# 1555
Delta R.T. 0.000 min
Lab File: BN037772.D
Acq: 18 Sep 2025 11:48

Tgt Ion:166 Resp: 10257

Ion	Ratio	Lower	Upper
166	100		
165	101.5	79.6	119.4
167	14.1	10.6	16.0



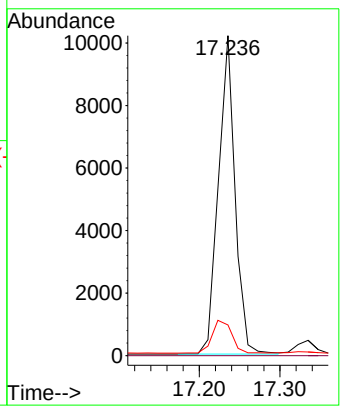


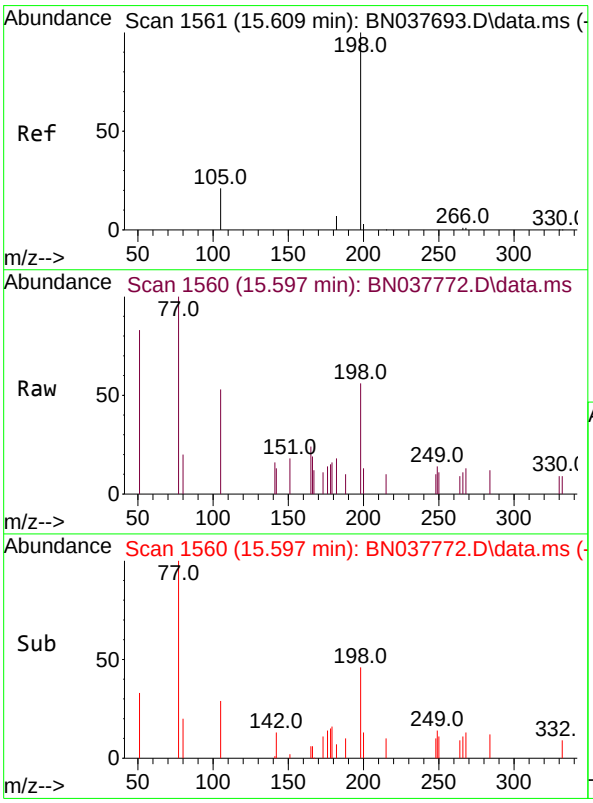
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.236 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037772.D
Acq: 18 Sep 2025 11:48

Instrument :
BNA_N
ClientSampleId :
RE103D2-20250911MS

Tgt Ion:188 Resp: 14560

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.6	10.6	15.8#

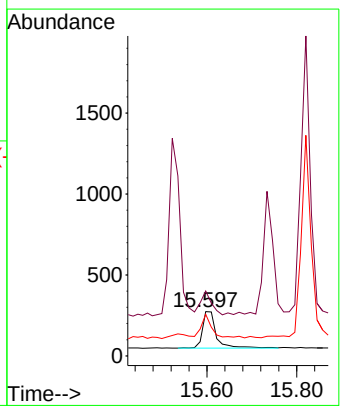


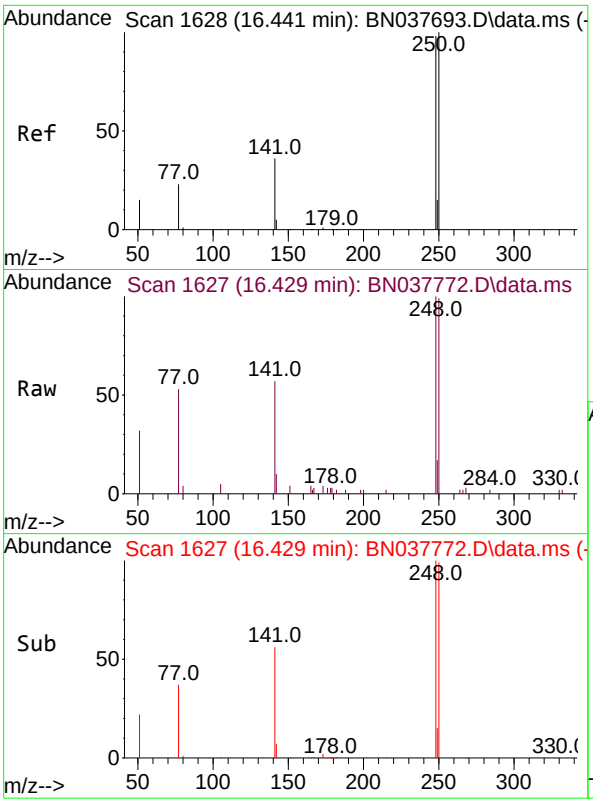


#20
4,6-Dinitro-2-methylphenol
Concen: 0.358 ng
RT: 15.597 min Scan# 1560
Delta R.T. -0.012 min
Lab File: BN037772.D
Acq: 18 Sep 2025 11:48

Tgt Ion:198 Resp: 483

Ion	Ratio	Lower	Upper
198	100		
51	146.4	95.1	142.7#
105	93.8	53.8	80.6#



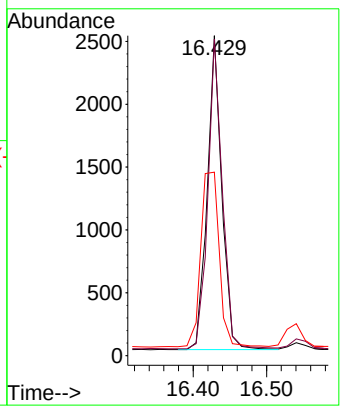


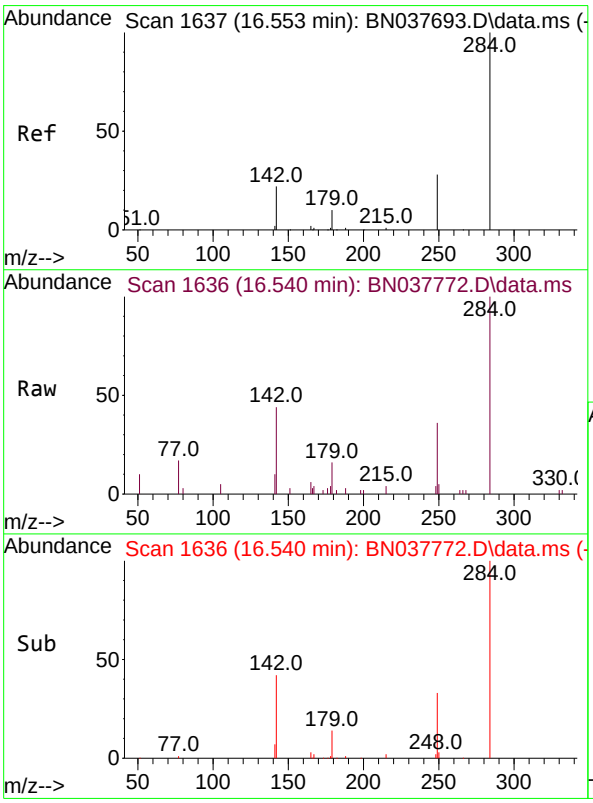
#21
4-Bromophenyl-phenylether
Concen: 0.362 ng
RT: 16.429 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037772.D
Acq: 18 Sep 2025 11:48

Instrument :
BNA_N
ClientSampleId :
RE103D2-20250911MS

Tgt Ion:248 Resp: 3439

Ion	Ratio	Lower	Upper
248	100		
250	98.9	81.5	122.3
141	57.3	30.8	46.2#

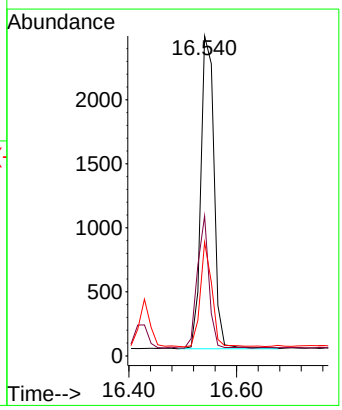


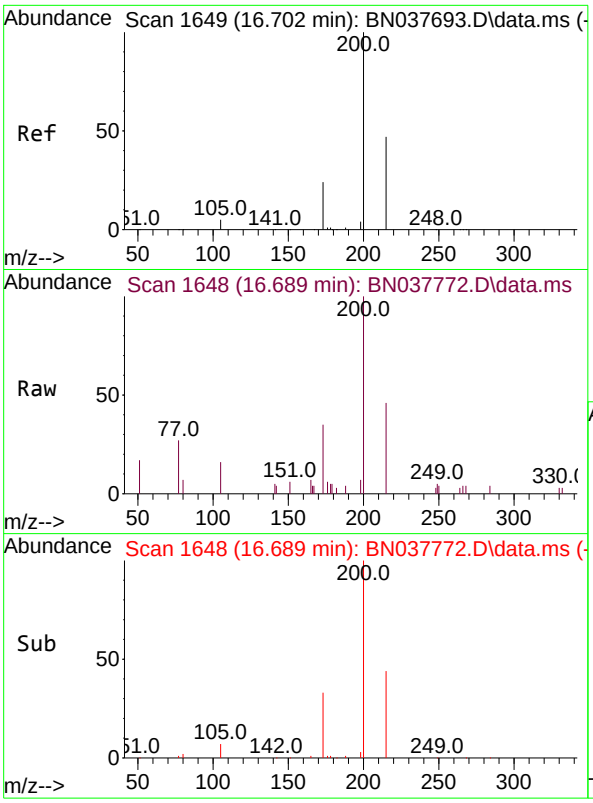


#22
Hexachlorobenzene
Concen: 0.380 ng
RT: 16.540 min Scan# 1636
Delta R.T. -0.012 min
Lab File: BN037772.D
Acq: 18 Sep 2025 11:48

Tgt Ion:284 Resp: 4153

Ion	Ratio	Lower	Upper
284	100		
142	37.0	30.9	46.3
249	29.4	24.8	37.2



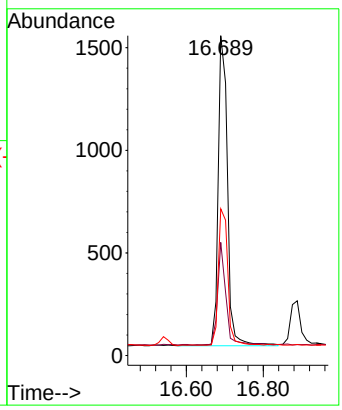


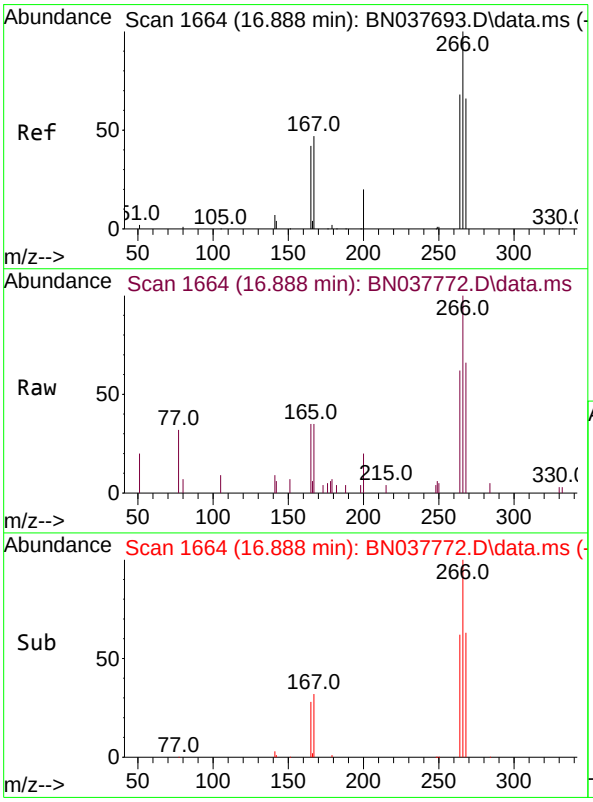
#23
Atrazine
Concen: 0.417 ng
RT: 16.689 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037772.D
Acq: 18 Sep 2025 11:48

Instrument :
BNA_N
ClientSampleId :
RE103D2-20250911MS

Tgt Ion:200 Resp: 2516

Ion	Ratio	Lower	Upper
200	100		
173	35.3	21.4	32.2#
215	45.9	39.2	58.8

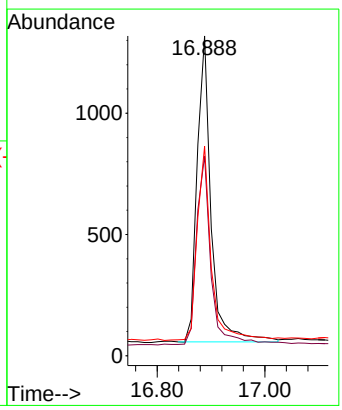


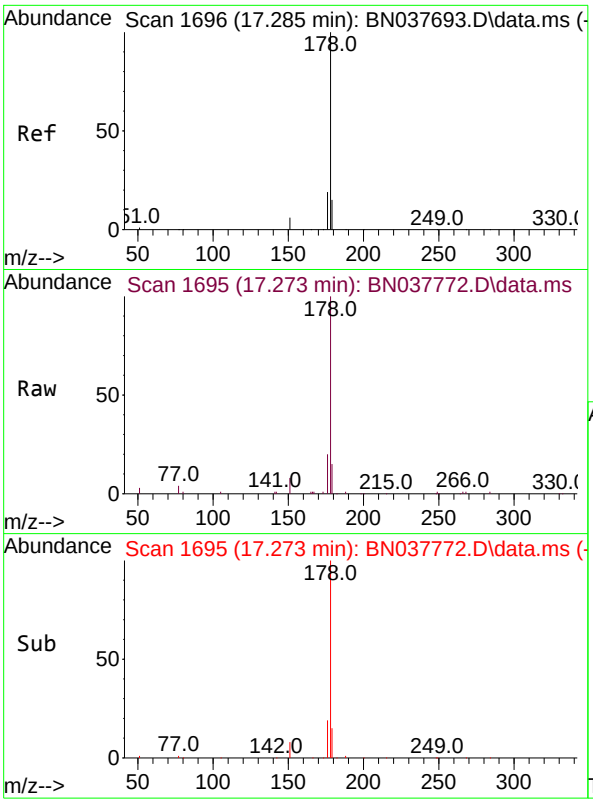


#24
Pentachlorophenol
Concen: 0.712 ng
RT: 16.888 min Scan# 1664
Delta R.T. 0.000 min
Lab File: BN037772.D
Acq: 18 Sep 2025 11:48

Tgt Ion:266 Resp: 2259

Ion	Ratio	Lower	Upper
266	100		
264	64.1	51.6	77.4
268	62.9	53.2	79.8



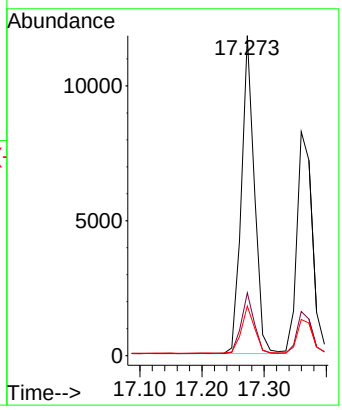


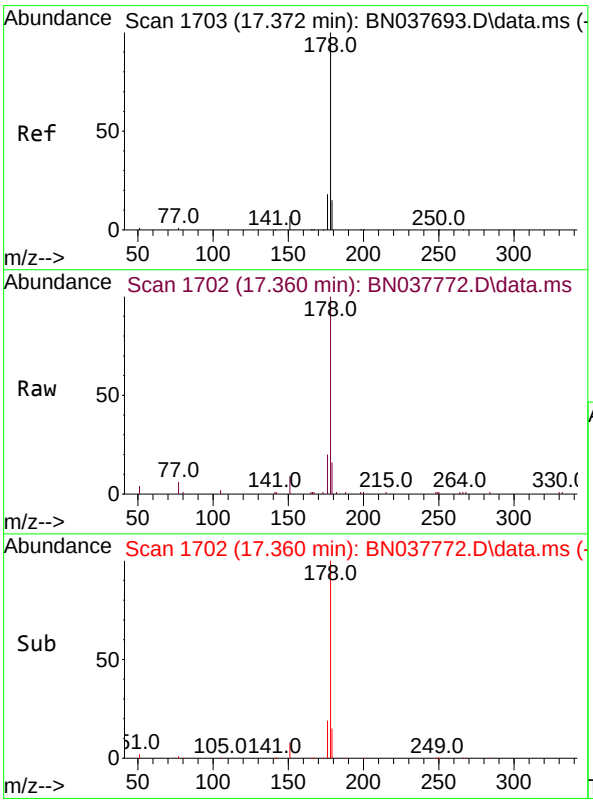
#25
Phenanthrene
Concen: 0.372 ng
RT: 17.273 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037772.D
Acq: 18 Sep 2025 11:48

Instrument :
BNA_N
ClientSampleId :
RE103D2-20250911MS

Tgt Ion:178 Resp: 17041

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.3	22.9
179	15.2	12.2	18.2

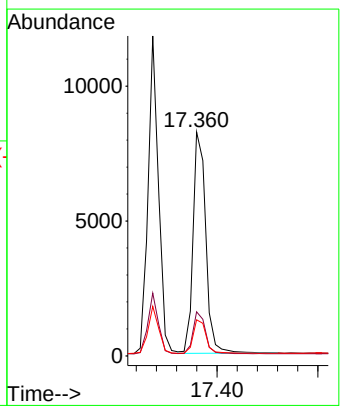


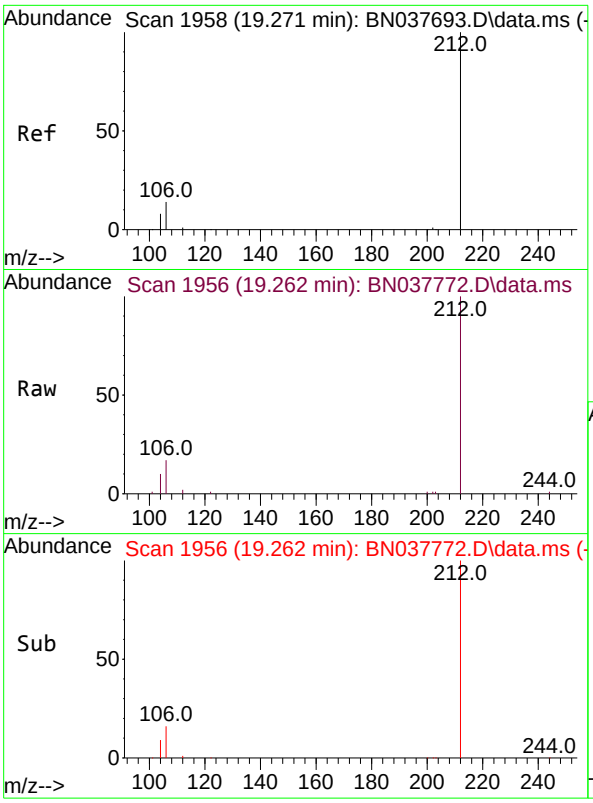


#26
Anthracene
Concen: 0.354 ng
RT: 17.360 min Scan# 1702
Delta R.T. -0.012 min
Lab File: BN037772.D
Acq: 18 Sep 2025 11:48

Tgt Ion:178 Resp: 14357

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.6	22.0
179	15.2	12.2	18.4



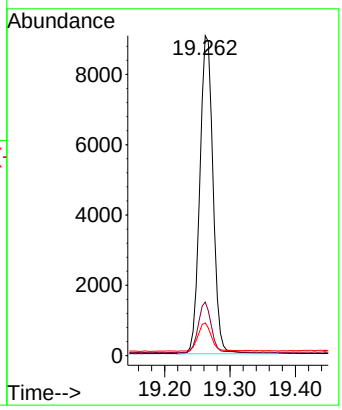


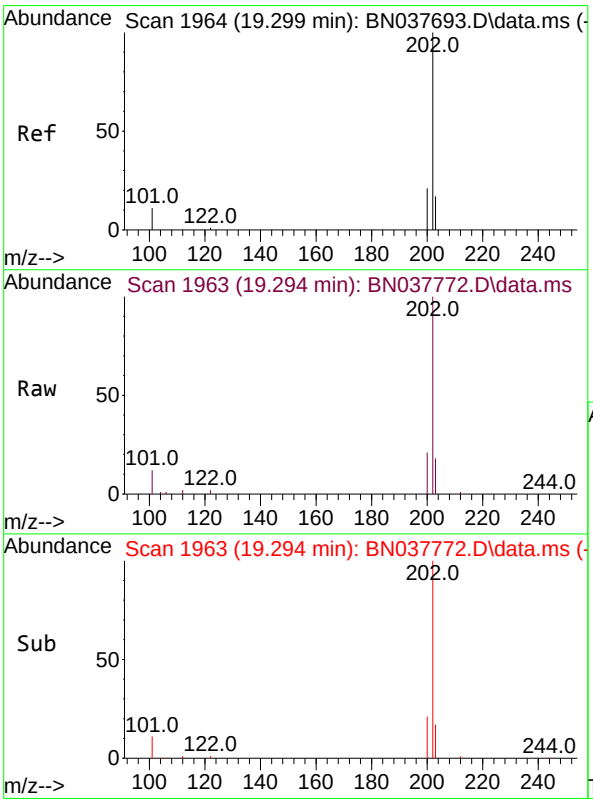
#27
Fluoranthene-d10
Concen: 0.347 ng
RT: 19.262 min Scan# 19
Delta R.T. -0.009 min
Lab File: BN037772.D
Acq: 18 Sep 2025 11:48

Instrument :
BNA_N
ClientSampleId :
RE103D2-20250911MS

Tgt Ion:212 Resp: 12673

Ion	Ratio	Lower	Upper
212	100		
106	15.9	12.2	18.2
104	9.1	6.9	10.3

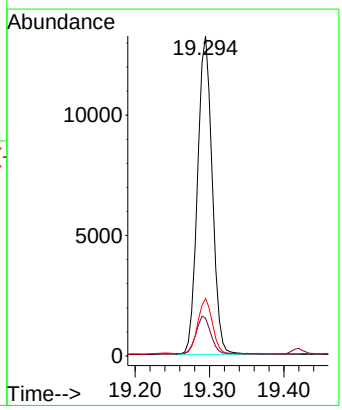


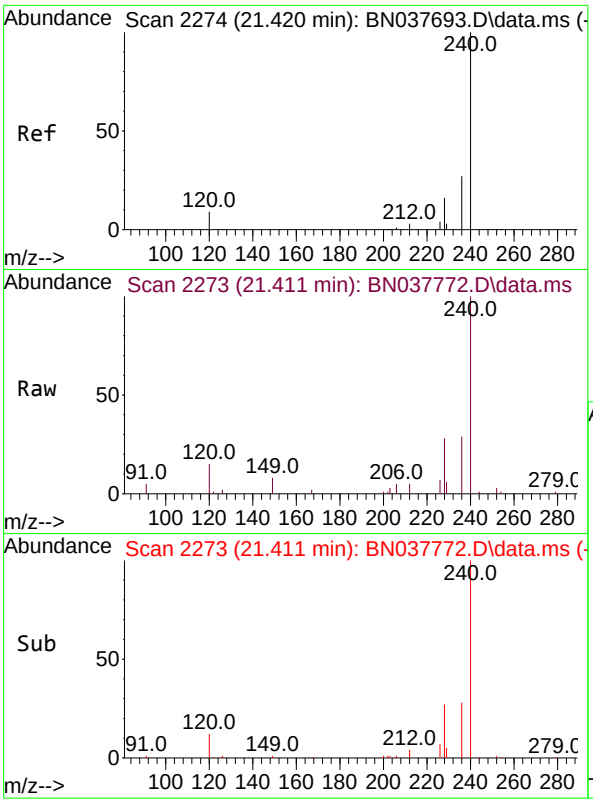


#28
Fluoranthene
Concen: 0.360 ng
RT: 19.294 min Scan# 1963
Delta R.T. -0.005 min
Lab File: BN037772.D
Acq: 18 Sep 2025 11:48

Tgt Ion:202 Resp: 18098

Ion	Ratio	Lower	Upper
202	100		
101	12.7	9.3	13.9
203	17.0	13.7	20.5



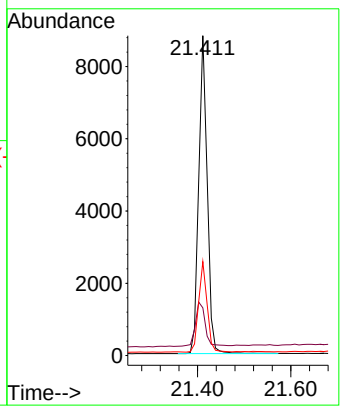


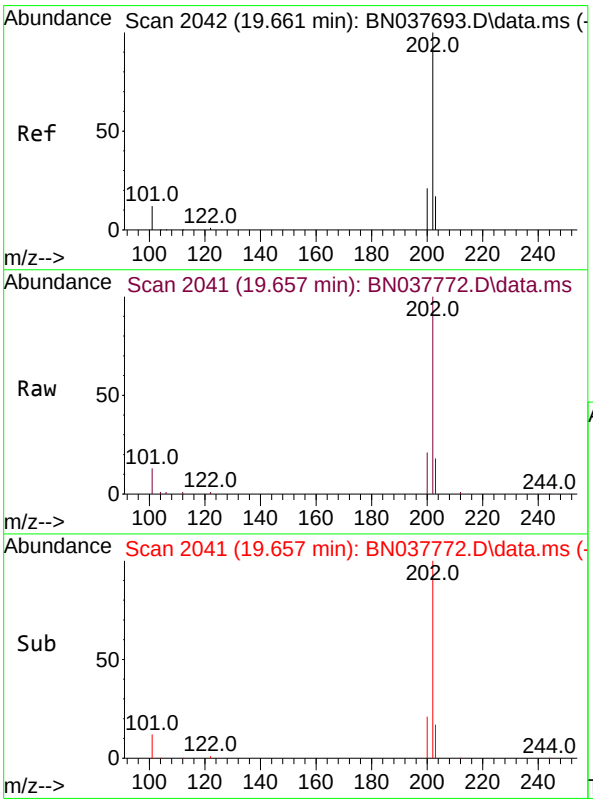
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.411 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN037772.D
Acq: 18 Sep 2025 11:48

Instrument :
BNA_N
ClientSampleId :
RE103D2-20250911MS

Tgt Ion:240 Resp: 11077

Ion	Ratio	Lower	Upper
240	100		
120	14.9	9.2	13.8#
236	29.4	22.6	33.8

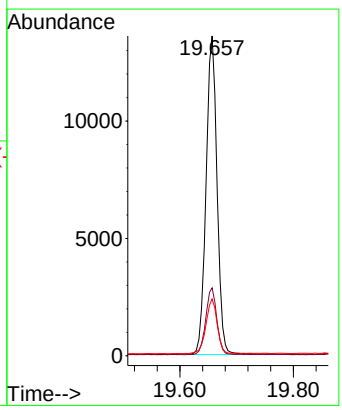


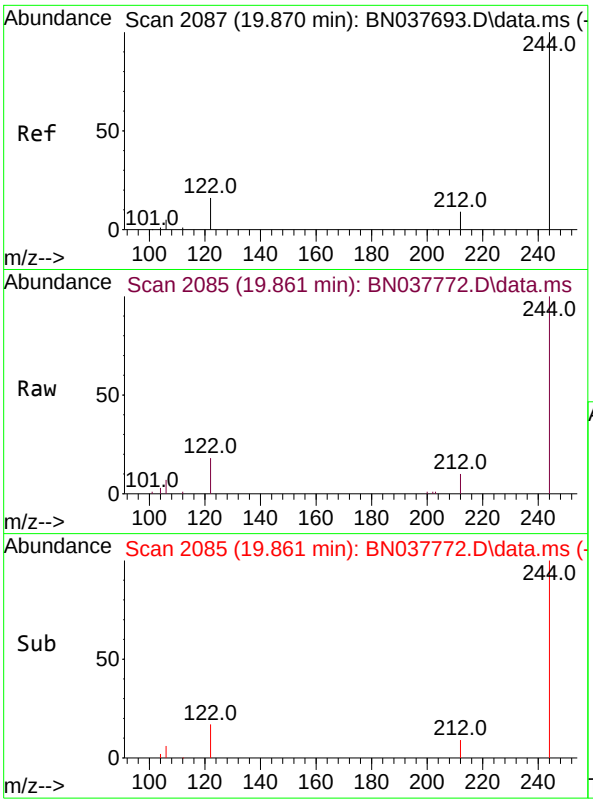


#30
Pyrene
Concen: 0.420 ng
RT: 19.657 min Scan# 2041
Delta R.T. -0.005 min
Lab File: BN037772.D
Acq: 18 Sep 2025 11:48

Tgt Ion:202 Resp: 18207

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.8	25.2
203	17.6	14.3	21.5



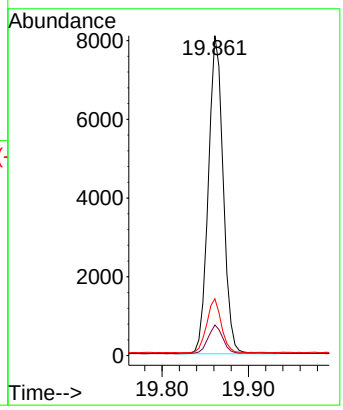


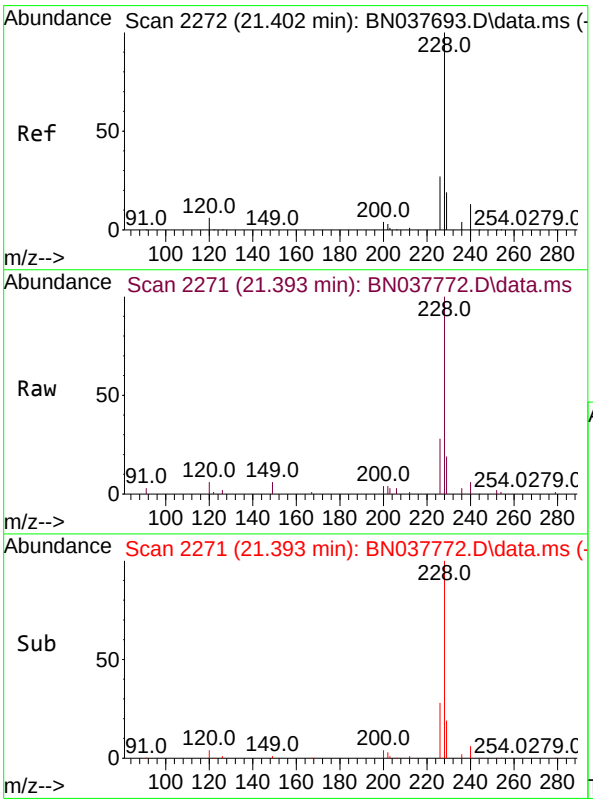
#31
Terphenyl-d14
Concen: 0.428 ng
RT: 19.861 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037772.D
Acq: 18 Sep 2025 11:48

Instrument :
BNA_N
ClientSampleId :
RE103D2-20250911MS

Tgt Ion:244 Resp: 9630

Ion	Ratio	Lower	Upper
244	100		
212	9.6	7.5	11.3
122	17.8	13.2	19.8

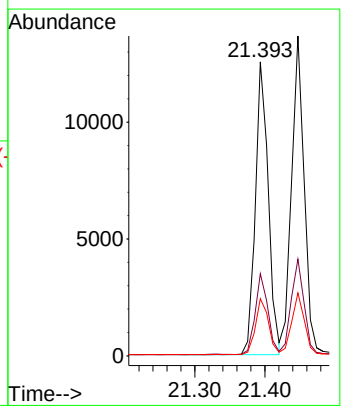


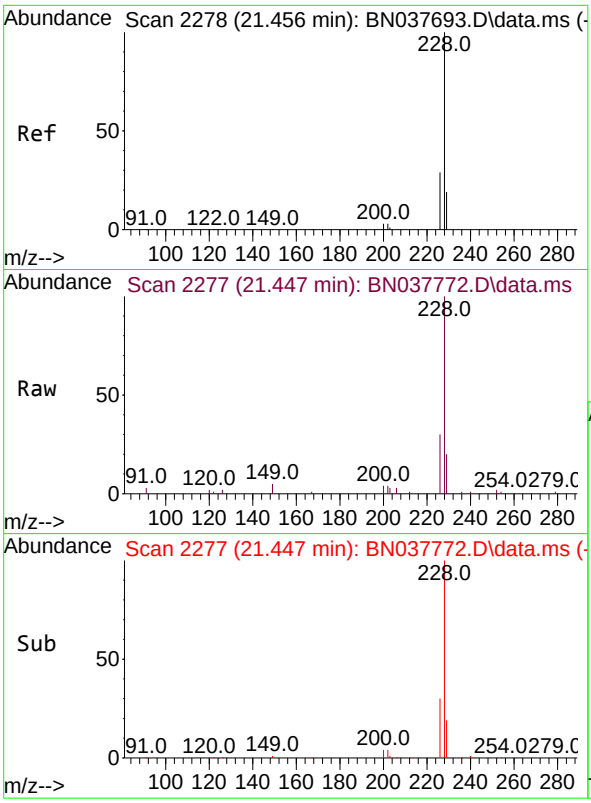


#32
Benzo(a)anthracene
Concen: 0.416 ng
RT: 21.393 min Scan# 2271
Delta R.T. -0.009 min
Lab File: BN037772.D
Acq: 18 Sep 2025 11:48

Tgt Ion:228 Resp: 16075

Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.2	33.2
229	19.5	15.8	23.6



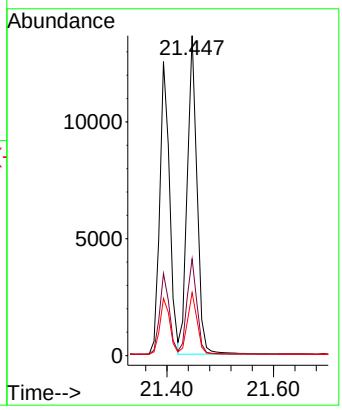


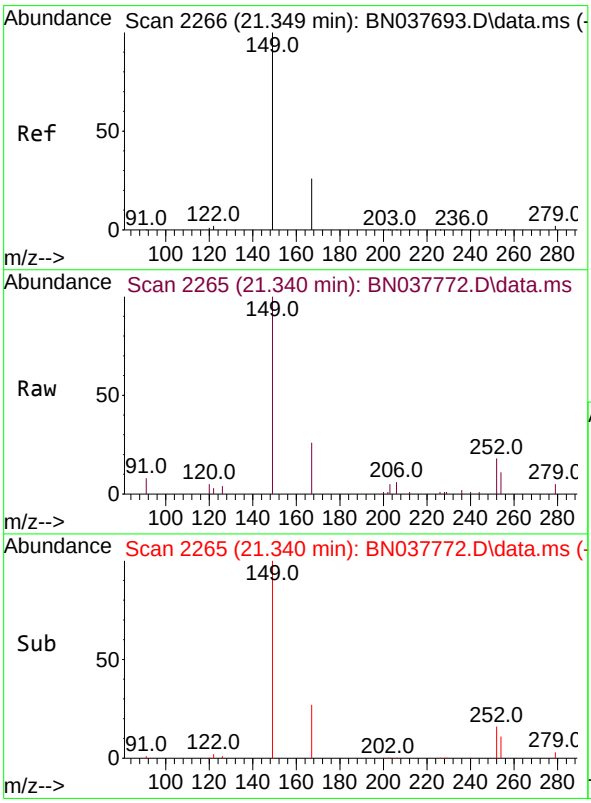
#33
Chrysene
Concen: 0.419 ng
RT: 21.447 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037772.D
Acq: 18 Sep 2025 11:48

Instrument :
BNA_N
ClientSampleId :
RE103D2-20250911MS

Tgt Ion:228 Resp: 17366

Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.5	35.3
229	19.7	15.9	23.9

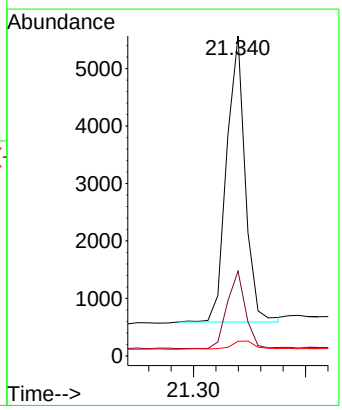


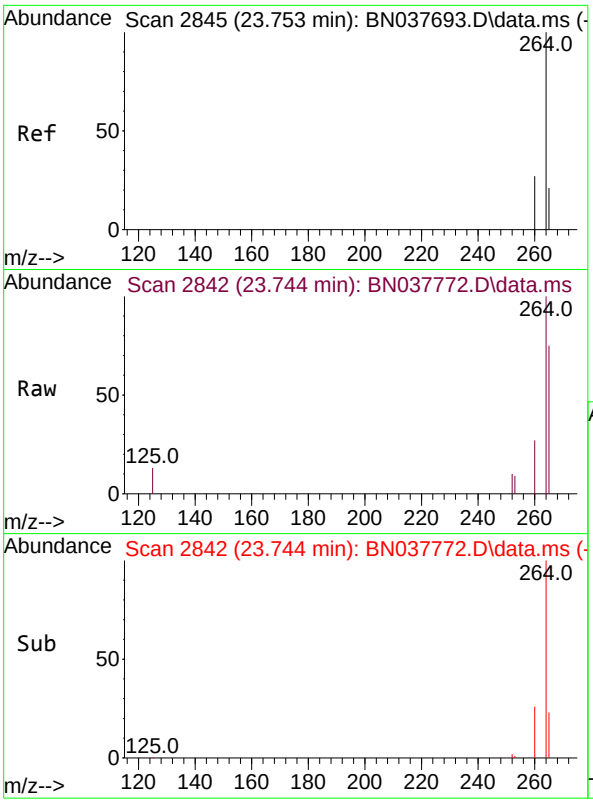


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.500 ng
RT: 21.340 min Scan# 2265
Delta R.T. -0.009 min
Lab File: BN037772.D
Acq: 18 Sep 2025 11:48

Tgt Ion:149 Resp: 5730

Ion	Ratio	Lower	Upper
149	100		
167	26.9	20.8	31.2
279	4.0	3.3	4.9



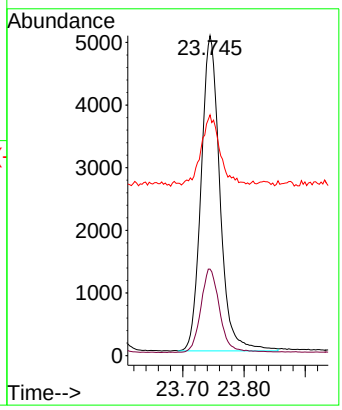


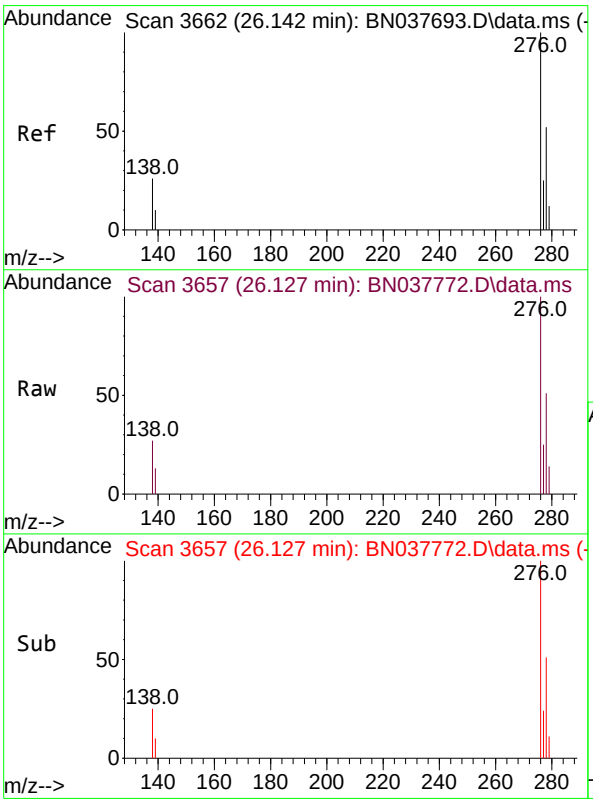
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.744 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037772.D
Acq: 18 Sep 2025 11:48

Instrument :
BNA_N
ClientSampleId :
RE103D2-20250911MS

Tgt Ion:264 Resp: 10712

Ion	Ratio	Lower	Upper
264	100		
260	27.0	21.8	32.8
265	75.2	39.4	59.2#

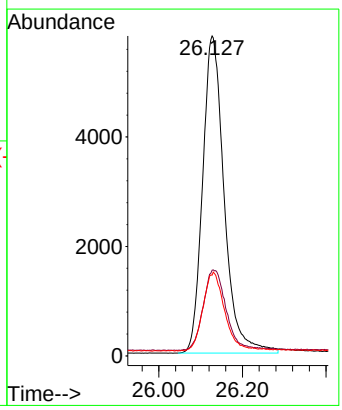


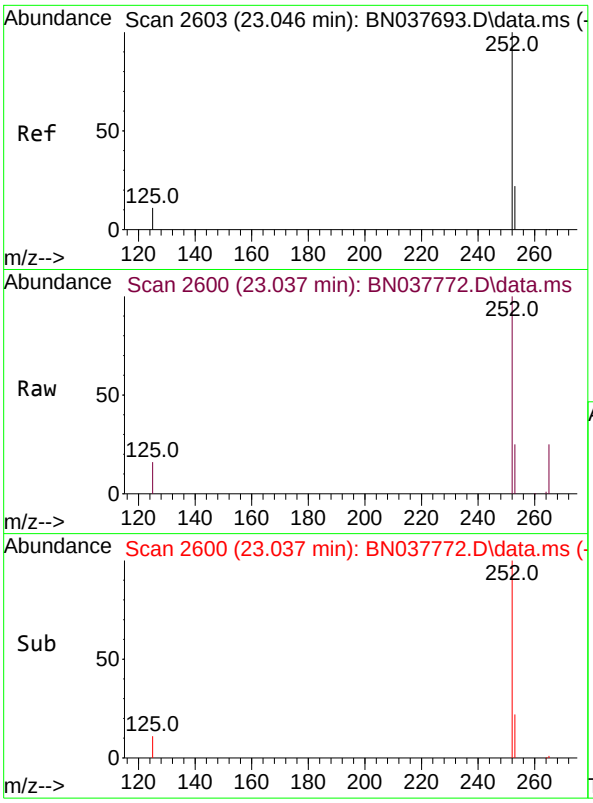


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.462 ng
RT: 26.127 min Scan# 3657
Delta R.T. -0.015 min
Lab File: BN037772.D
Acq: 18 Sep 2025 11:48

Tgt Ion:276 Resp: 20796

Ion	Ratio	Lower	Upper
276	100		
138	26.7	21.9	32.9
277	24.7	20.1	30.1



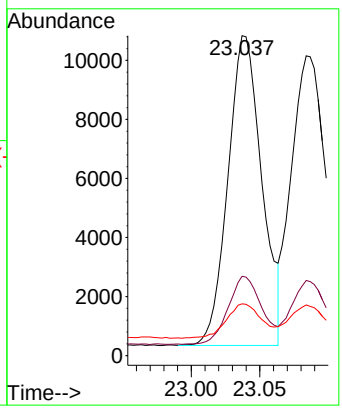


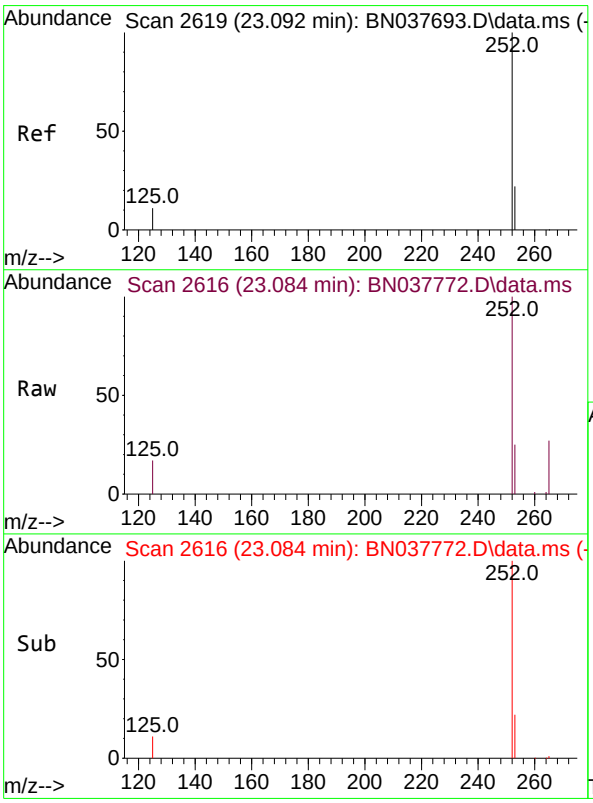
#37
Benzo(b)fluoranthene
Concen: 0.428 ng
RT: 23.037 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037772.D
Acq: 18 Sep 2025 11:48

Instrument :
BNA_N
ClientSampleId :
RE103D2-20250911MS

Tgt Ion:252 Resp: 18047

Ion	Ratio	Lower	Upper
252	100		
253	24.8	19.4	29.2
125	16.2	11.2	16.8

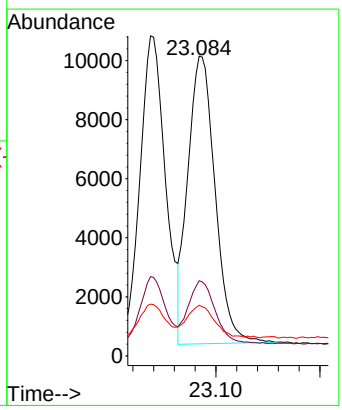


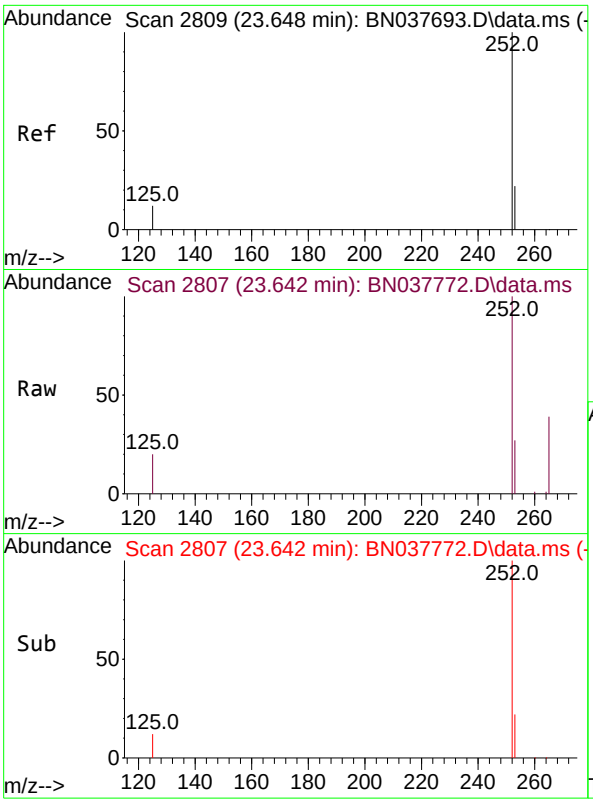


#38
Benzo(k)fluoranthene
Concen: 0.413 ng
RT: 23.084 min Scan# 2616
Delta R.T. -0.009 min
Lab File: BN037772.D
Acq: 18 Sep 2025 11:48

Tgt Ion:252 Resp: 17770

Ion	Ratio	Lower	Upper
252	100		
253	25.1	19.4	29.0
125	16.9	11.6	17.4



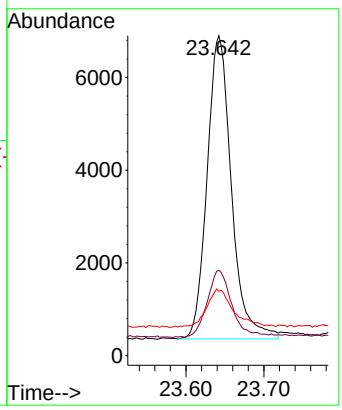


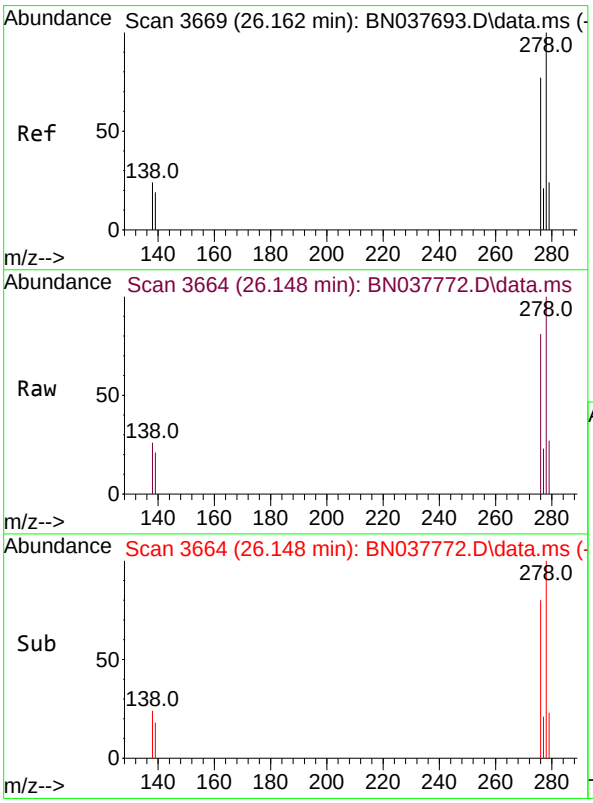
#39
Benzo(a)pyrene
Concen: 0.420 ng
RT: 23.642 min Scan# 28
Delta R.T. -0.006 min
Lab File: BN037772.D
Acq: 18 Sep 2025 11:48

Instrument :
BNA_N
ClientSampleId :
RE103D2-20250911MS

Tgt Ion:252 Resp: 14195

Ion	Ratio	Lower	Upper
252	100		
253	26.7	20.8	31.2
125	20.1	13.9	20.9

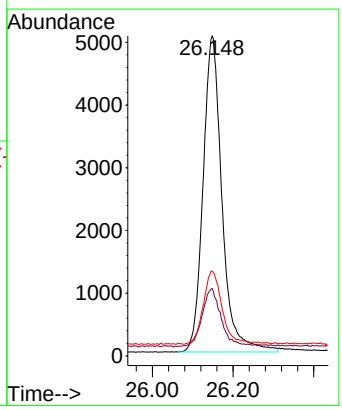


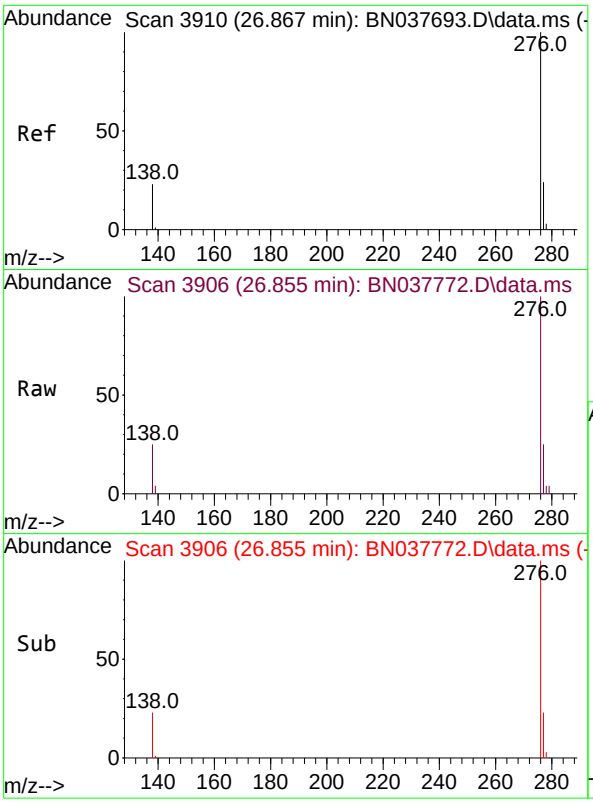


#40
Dibenzo(a,h)anthracene
Concen: 0.458 ng
RT: 26.148 min Scan# 3664
Delta R.T. -0.015 min
Lab File: BN037772.D
Acq: 18 Sep 2025 11:48

Tgt Ion:278 Resp: 16460

Ion	Ratio	Lower	Upper
278	100		
139	21.1	17.8	26.6
279	26.5	22.0	33.0



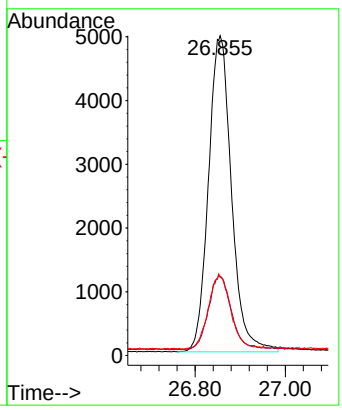


#41
Benzo(g,h,i)perylene
Concen: 0.435 ng
RT: 26.855 min Scan# 3
Delta R.T. -0.012 min
Lab File: BN037772.D
Acq: 18 Sep 2025 11:48

Instrument :
BNA_N
ClientSampleId :
RE103D2-20250911MS

Tgt Ion:276 Resp: 17542

Ion	Ratio	Lower	Upper
276	100		
277	24.8	20.6	31.0
138	24.5	20.2	30.2



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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	MW203D2-20250909MSD	SDG No.:	Q3095
Lab Sample ID:	Q3095-07MSD	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
BN037744.D	1	09/15/25 10:15	09/17/25 13:59	PB169692

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.96		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.30		30 - 150		74%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.33		30 - 150		83%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.30		55 - 111		75%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.32		53 - 106		79%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.40		58 - 132		99%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7570	7.847				
1146-65-2	Naphthalene-d8	20900	10.648				
15067-26-2	Acenaphthene-d10	9820	14.494				
1517-22-2	Phenanthrene-d10	17000	17.235				
1719-03-5	Chrysene-d12	14300	21.42				
1520-96-3	Perylene-d12	14000	23.756				

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\BN091725\
Data File : BN037744.D
Acq On : 17 Sep 2025 13:59
Operator : RC/JU
Sample : Q3095-07MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW203D2-20250909MSD

Quant Time: Sep 17 14:31:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

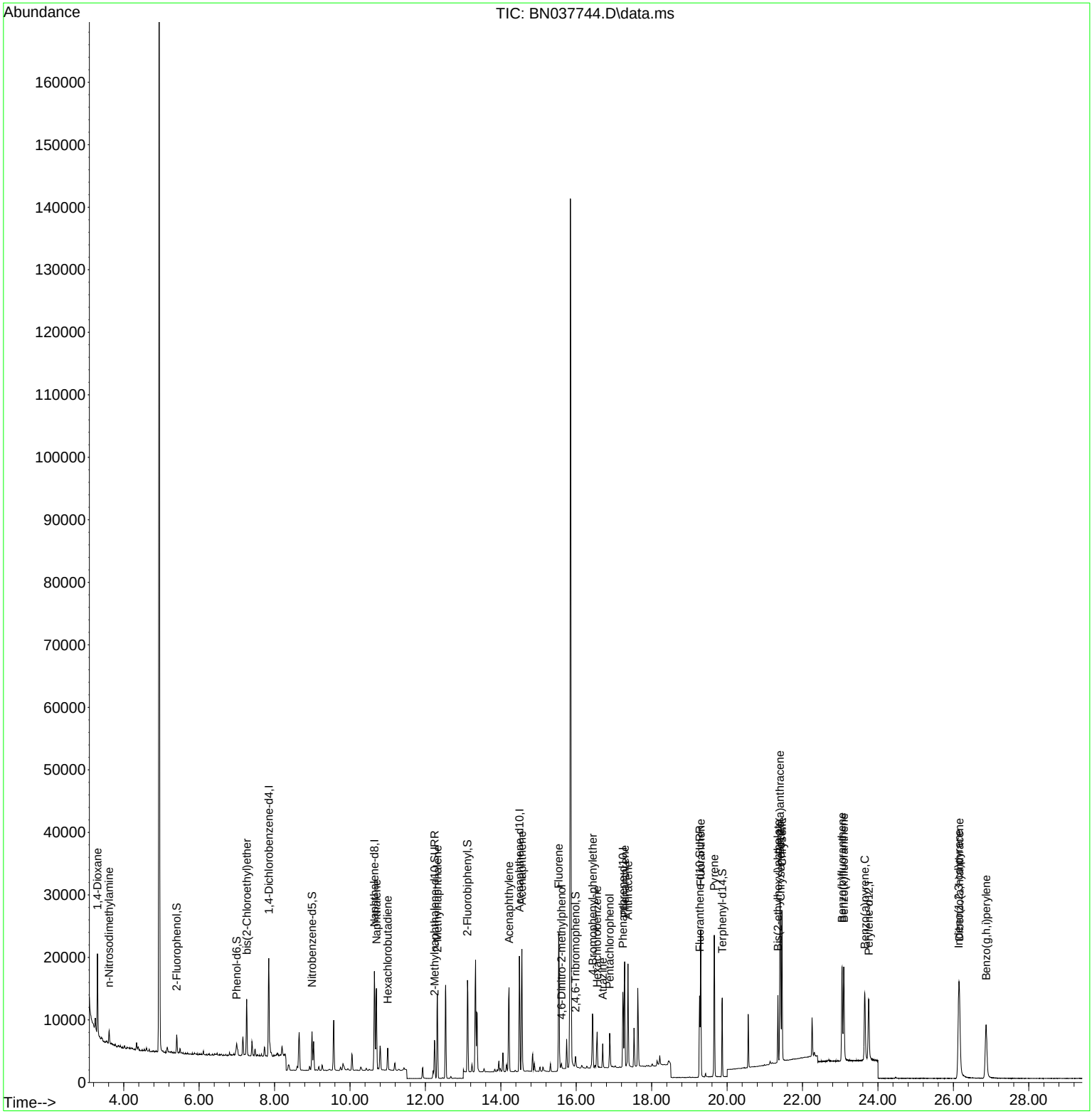
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.847	152	7569	0.400	ng		0.00
7) Naphthalene-d8	10.648	136	20880	0.400	ng		0.00
13) Acenaphthene-d10	14.494	164	9823	0.400	ng		0.00
19) Phenanthrene-d10	17.235	188	16954	0.400	ng		0.00
29) Chrysene-d12	21.420	240	14253	0.400	ng		0.00
35) Perylene-d12	23.756	264	13967	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.406	112	2212	0.127	ng		0.00
5) Phenol-d6	6.995	99	1709	0.076	ng		0.00
8) Nitrobenzene-d5	8.993	82	4607	0.302	ng		0.00
11) 2-Methylnaphthalene-d10	12.243	152	8165	0.295	ng		0.00
14) 2,4,6-Tribromophenol	15.982	330	1013	0.395	ng		0.00
15) 2-Fluorobiphenyl	13.115	172	13067	0.318	ng		0.00
27) Fluoranthene-d10	19.271	212	14031	0.330	ng		0.00
31) Terphenyl-d14	19.870	244	11475	0.397	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.304	88	7552	0.958	ng		95
3) n-Nitrosodimethylamine	3.608	42	1209	0.117	ng	#	81
6) bis(2-Chloroethyl)ether	7.262	93	6223	0.309	ng		98
9) Naphthalene	10.701	128	16698	0.293	ng		100
10) Hexachlorobutadiene	11.000	225	2575	0.249	ng	#	99
12) 2-Methylnaphthalene	12.319	142	9478	0.268	ng		97
16) Acenaphthylene	14.217	152	15433	0.343	ng		99
17) Acenaphthene	14.559	154	9606	0.315	ng		99
18) Fluorene	15.535	166	11771	0.319	ng		99
20) 4,6-Dinitro-2-methylph...	15.609	198	553	0.352	ng		86
21) 4-Bromophenyl-phenylether	16.441	248	3888	0.352	ng		99
22) Hexachlorobenzene	16.553	284	4480	0.352	ng		96
23) Atrazine	16.702	200	2705	0.385	ng		96
24) Pentachlorophenol	16.888	266	2781	0.753	ng		98
25) Phenanthrene	17.285	178	18751	0.351	ng		99
26) Anthracene	17.372	178	16950	0.358	ng		99
28) Fluoranthene	19.299	202	20168	0.345	ng		99
30) Pyrene	19.661	202	20353	0.365	ng		100
32) Benzo(a)anthracene	21.402	228	18881	0.380	ng		100
33) Chrysene	21.456	228	19830	0.372	ng		99
34) Bis(2-ethylhexyl)phtha...	21.349	149	9422	0.639	ng	#	99
36) Indeno(1,2,3-cd)pyrene	26.139	276	23199	0.395	ng		98
37) Benzo(b)fluoranthene	23.049	252	20529	0.373	ng		99
38) Benzo(k)fluoranthene	23.095	252	20752	0.370	ng		99
39) Benzo(a)pyrene	23.651	252	17627	0.400	ng		99
40) Dibenzo(a,h)anthracene	26.159	278	18232	0.389	ng		96
41) Benzo(g,h,i)perylene	26.867	276	19707	0.375	ng		98

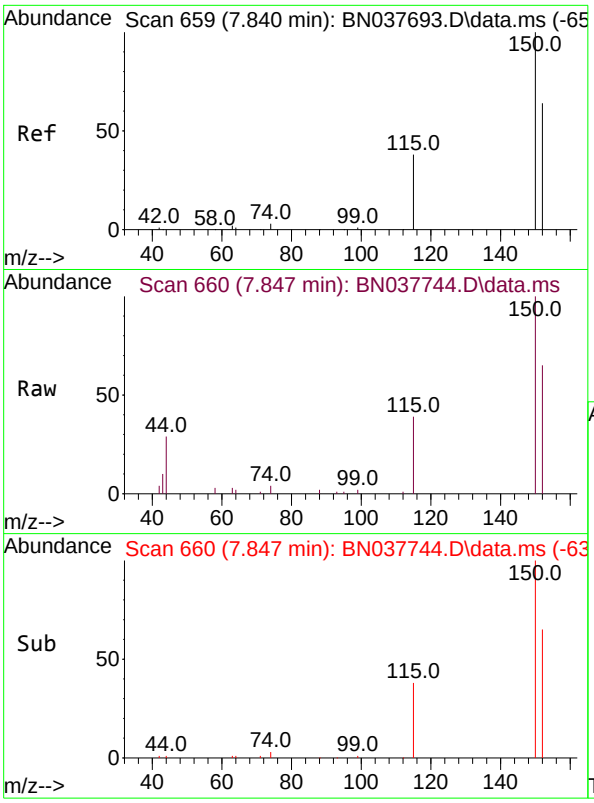
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091725\
Data File : BN037744.D
Acq On : 17 Sep 2025 13:59
Operator : RC/JU
Sample : Q3095-07MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW203D2-20250909MSD

Quant Time: Sep 17 14:31:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration



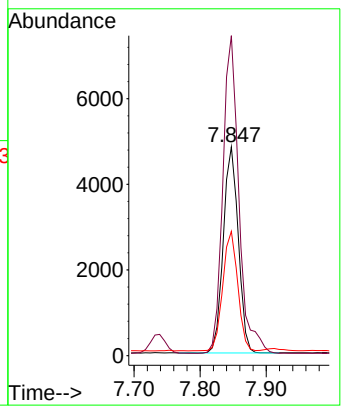


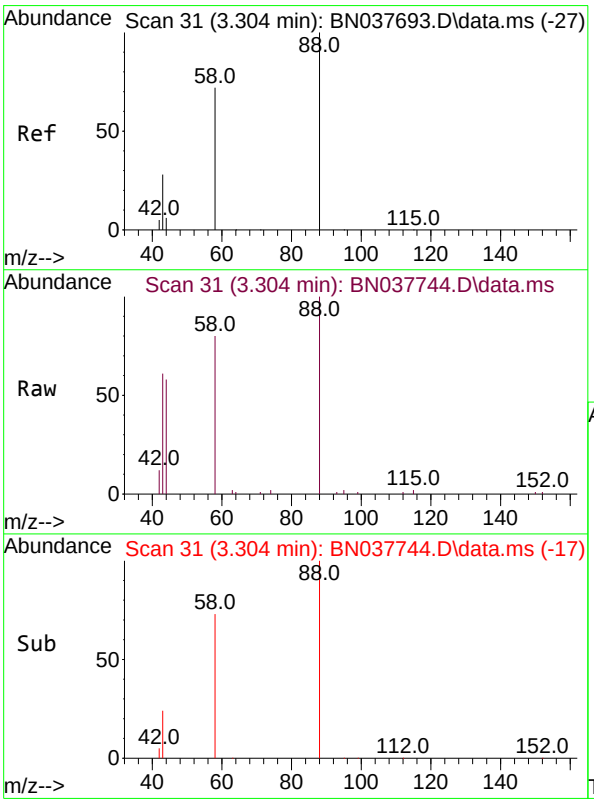
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.847 min Scan# 6
Delta R.T. 0.007 min
Lab File: BN037744.D
Acq: 17 Sep 2025 13:59

Instrument :
BNA_N
ClientSampleId :
MW203D2-20250909MSD

Tgt Ion:152 Resp: 7569

Ion	Ratio	Lower	Upper
152	100		
150	153.3	124.5	186.7
115	59.5	49.2	73.8

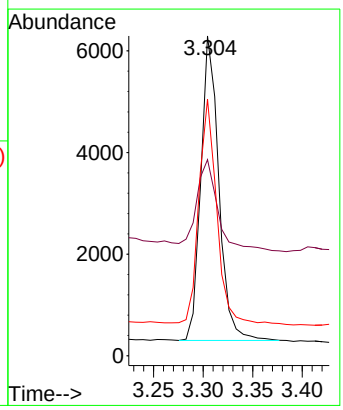


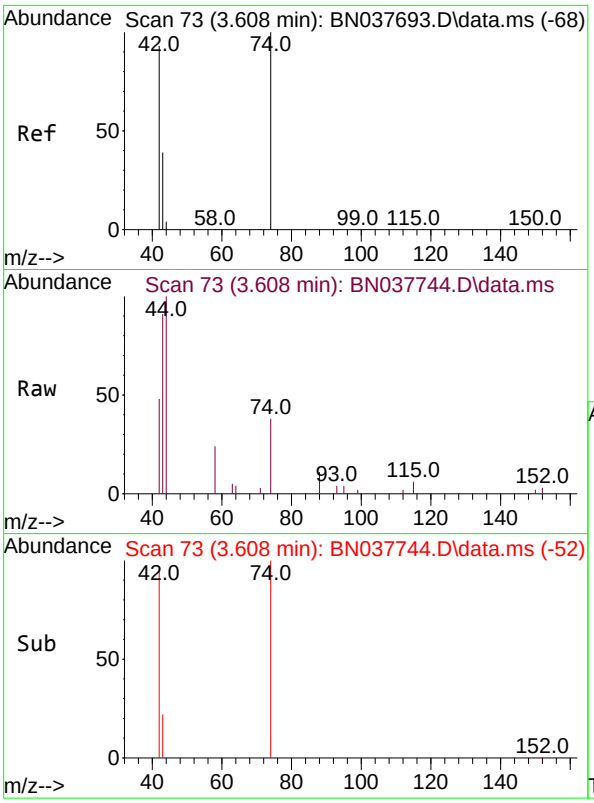


#2
1,4-Dioxane
Concen: 0.958 ng
RT: 3.304 min Scan# 31
Delta R.T. -0.000 min
Lab File: BN037744.D
Acq: 17 Sep 2025 13:59

Tgt Ion: 88 Resp: 7552

Ion	Ratio	Lower	Upper
88	100		
43	35.3	26.8	40.2
58	72.3	61.9	92.9



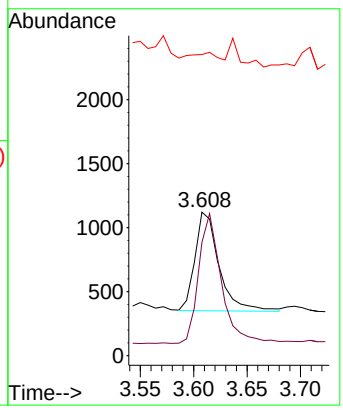


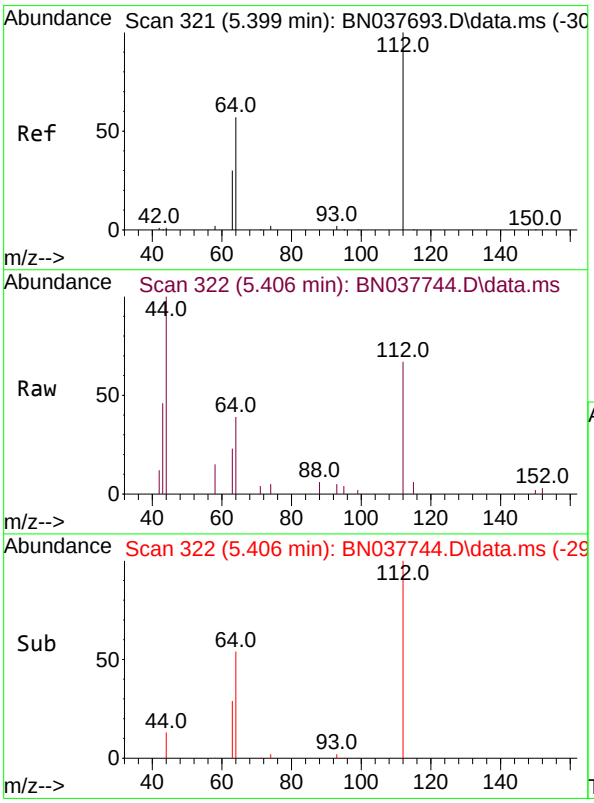
#3
n-Nitrosodimethylamine
Concen: 0.117 ng
RT: 3.608 min Scan# 7
Delta R.T. -0.000 min
Lab File: BN037744.D
Acq: 17 Sep 2025 13:59

Instrument :
BNA_N
ClientSampleId :
MW203D2-20250909MSD

Tgt Ion: 42 Resp: 1209

Ion	Ratio	Lower	Upper
42	100		
74	126.8	86.0	129.0
44	0.0	8.4	12.6#

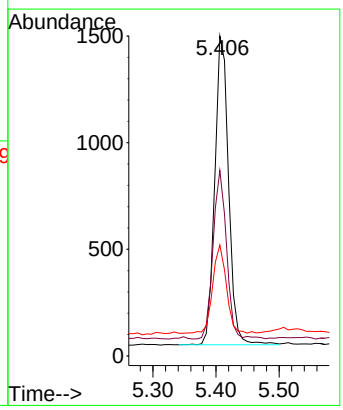


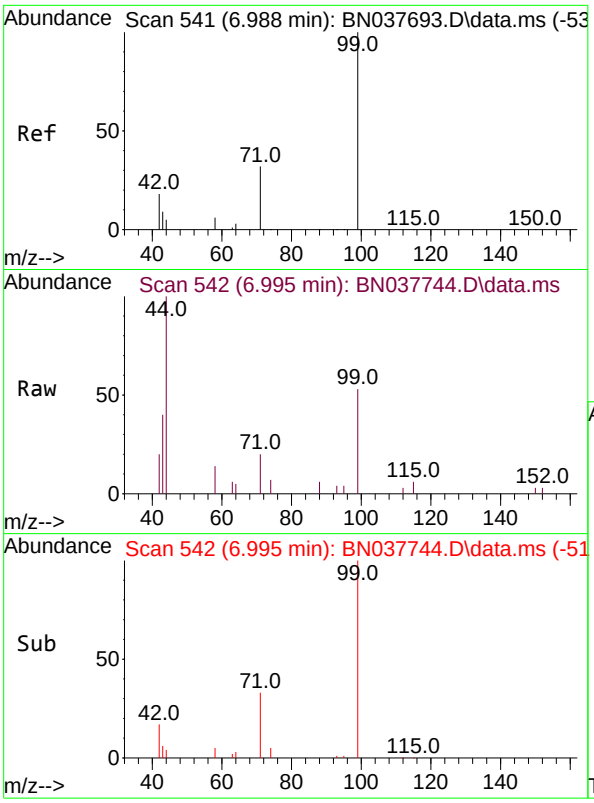


#4
2-Fluorophenol
Concen: 0.127 ng
RT: 5.406 min Scan# 322
Delta R.T. 0.007 min
Lab File: BN037744.D
Acq: 17 Sep 2025 13:59

Tgt Ion:112 Resp: 2212

Ion	Ratio	Lower	Upper
112	100		
64	53.4	44.9	67.3
63	28.3	24.7	37.1



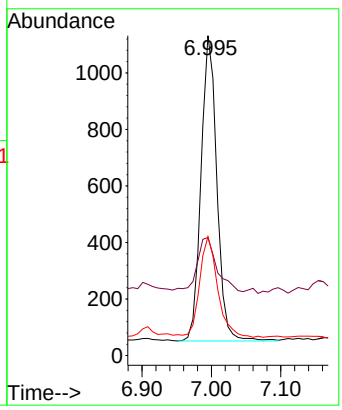


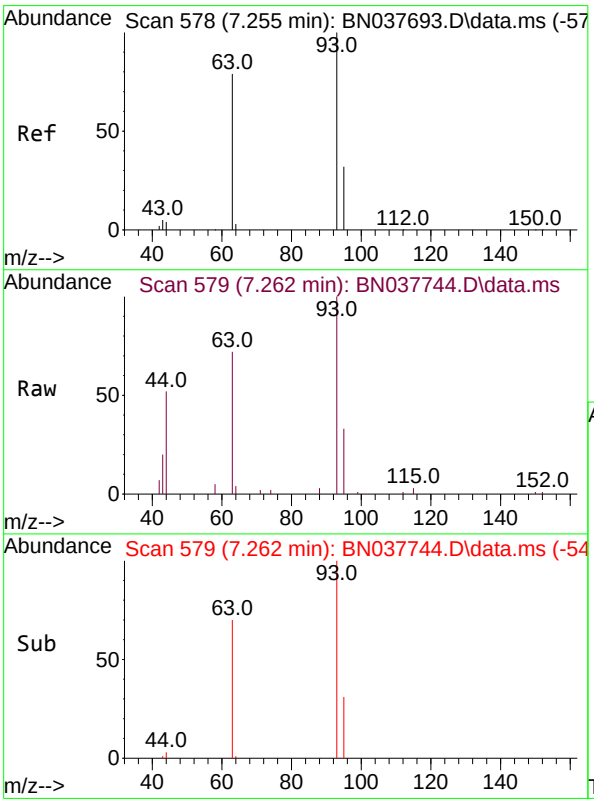
#5
Phenol-d6
Concen: 0.076 ng
RT: 6.995 min Scan# 54
Delta R.T. 0.007 min
Lab File: BN037744.D
Acq: 17 Sep 2025 13:59

Instrument :
BNA_N
ClientSampleId :
MW203D2-20250909MSD

Tgt Ion: 99 Resp: 1709

Ion	Ratio	Lower	Upper
99	100		
42	22.0	16.6	24.8
71	37.4	26.7	40.1

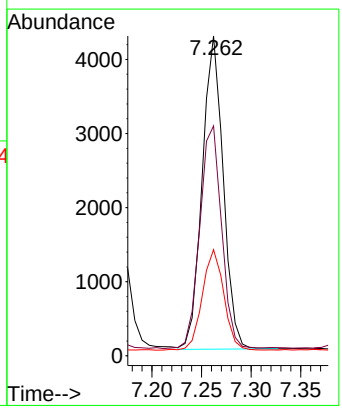


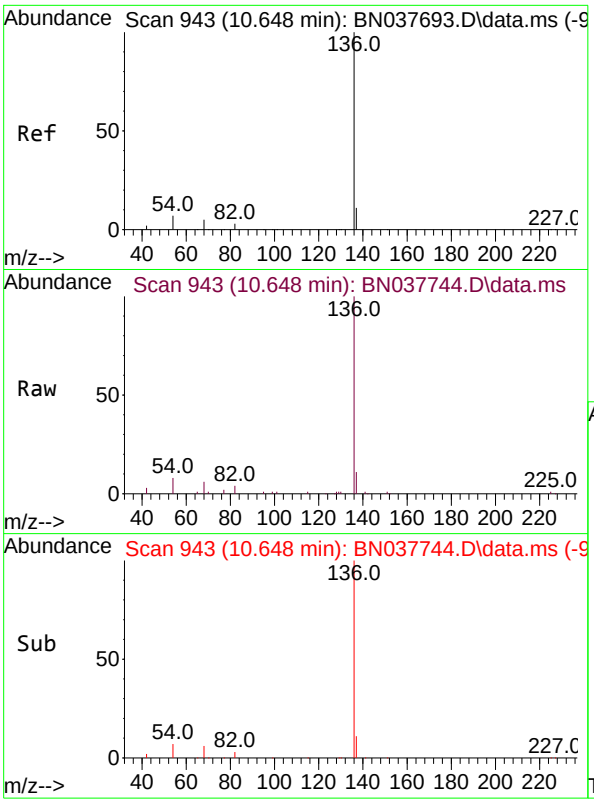


#6
bis(2-Chloroethyl)ether
Concen: 0.309 ng
RT: 7.262 min Scan# 579
Delta R.T. 0.007 min
Lab File: BN037744.D
Acq: 17 Sep 2025 13:59

Tgt Ion: 93 Resp: 6223

Ion	Ratio	Lower	Upper
93	100		
63	74.0	60.6	90.8
95	32.9	26.0	39.0



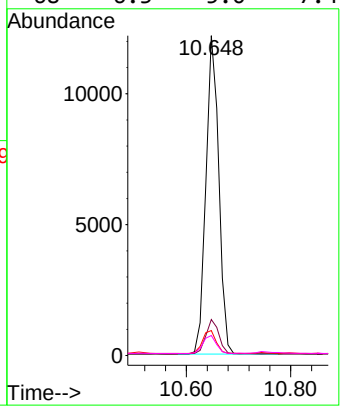


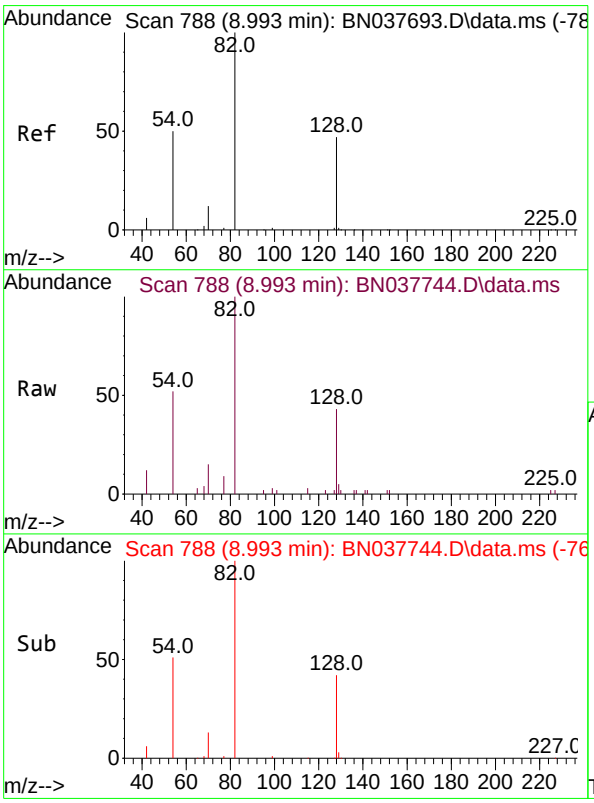
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.648 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN037744.D
Acq: 17 Sep 2025 13:59

Instrument :
BNA_N
ClientSampleId :
MW203D2-20250909MSD

Tgt Ion:136 Resp: 20880

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	7.8	6.3	9.5
68	6.3	5.0	7.4

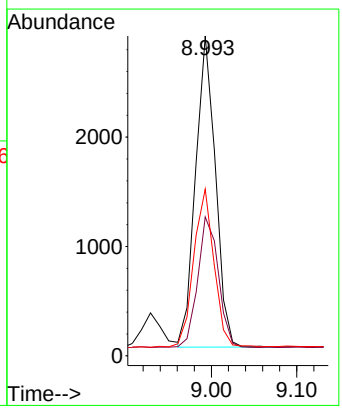


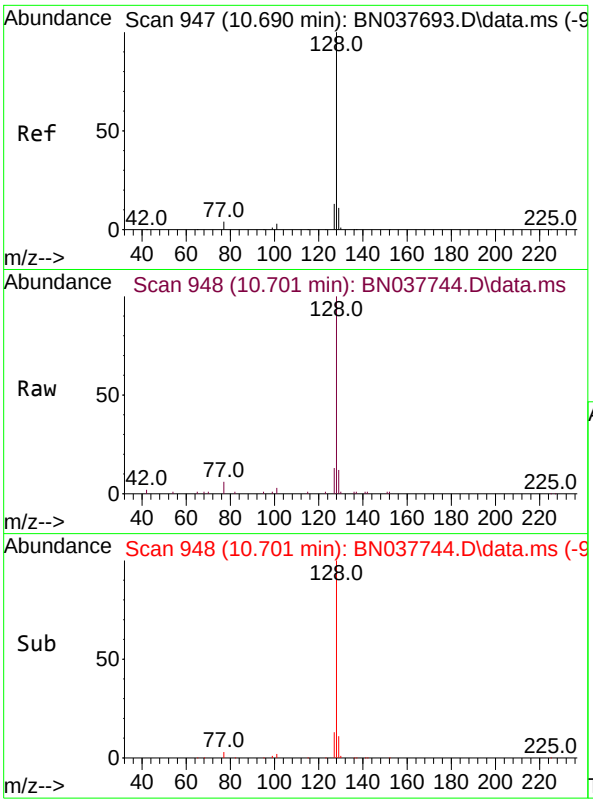


#8
Nitrobenzene-d5
Concen: 0.302 ng
RT: 8.993 min Scan# 788
Delta R.T. -0.000 min
Lab File: BN037744.D
Acq: 17 Sep 2025 13:59

Tgt Ion: 82 Resp: 4607

Ion	Ratio	Lower	Upper
82	100		
128	43.4	38.3	57.5
54	52.1	41.4	62.2



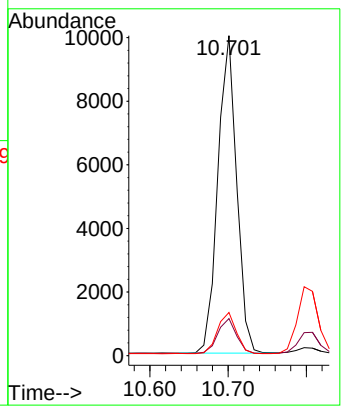


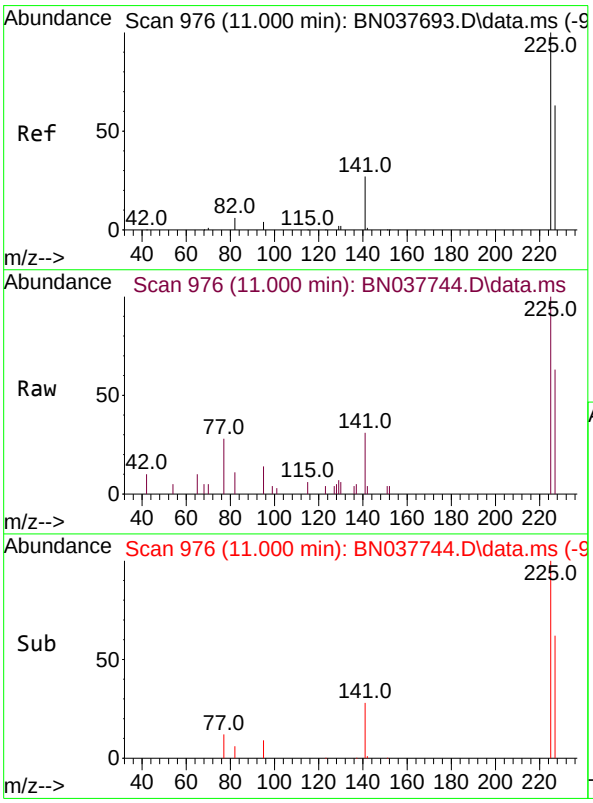
#9
Naphthalene
Concen: 0.293 ng
RT: 10.701 min Scan# 94
Delta R.T. 0.011 min
Lab File: BN037744.D
Acq: 17 Sep 2025 13:59

Instrument :
BNA_N
ClientSampleId :
MW203D2-20250909MSD

Tgt Ion:128 Resp: 16698

Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.1	13.7
127	13.5	10.9	16.3

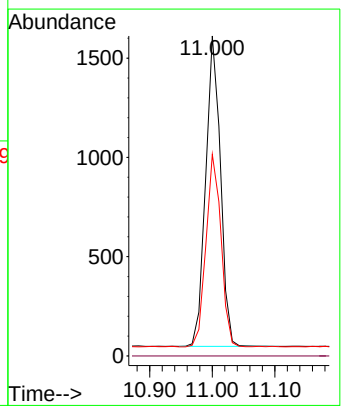


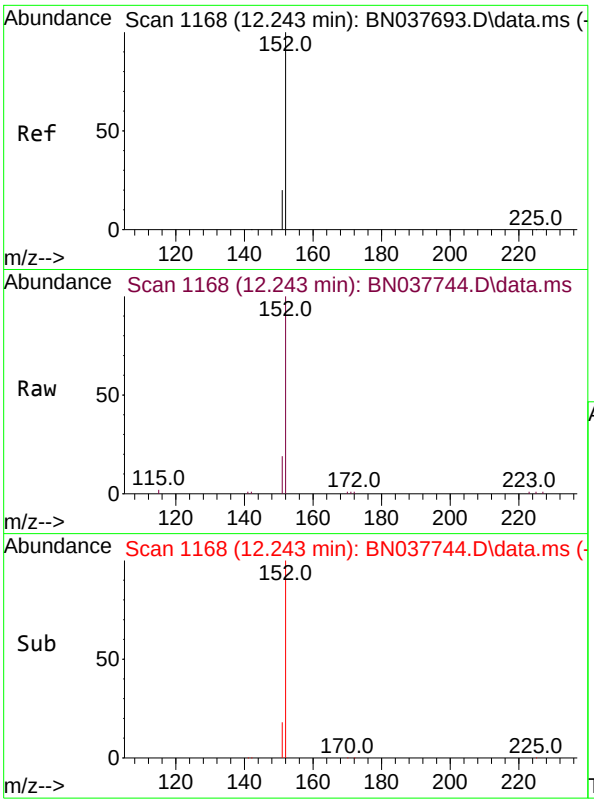


#10
Hexachlorobutadiene
Concen: 0.249 ng
RT: 11.000 min Scan# 976
Delta R.T. -0.000 min
Lab File: BN037744.D
Acq: 17 Sep 2025 13:59

Tgt Ion:225 Resp: 2575

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	62.8	50.9	76.3



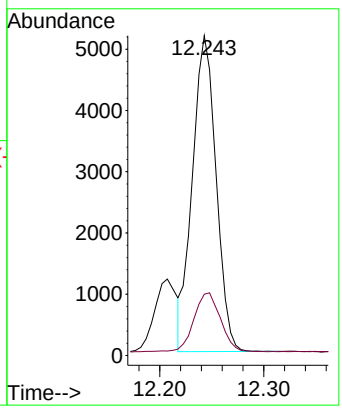


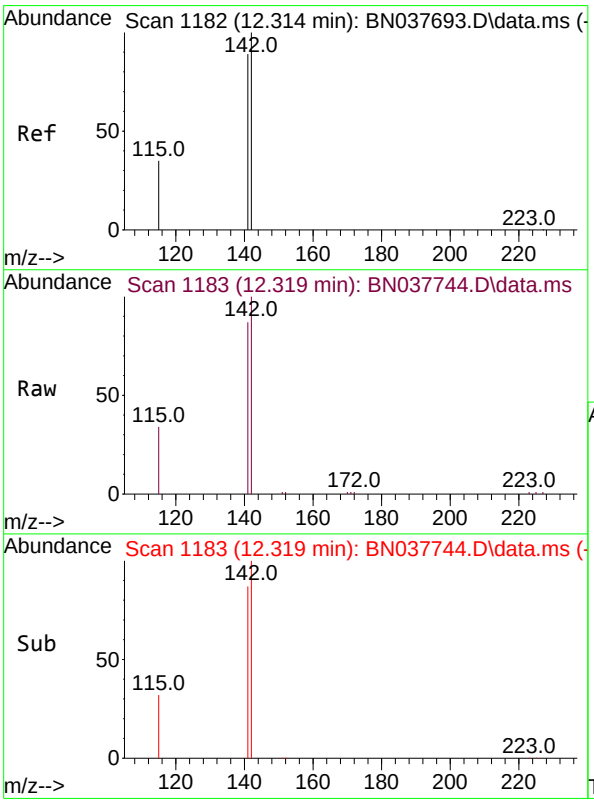
#11
2-Methylnaphthalene-d10
Concen: 0.295 ng
RT: 12.243 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN037744.D
Acq: 17 Sep 2025 13:59

Instrument :
BNA_N
ClientSampleId :
MW203D2-20250909MSD

Tgt Ion:152 Resp: 8165

Ion	Ratio	Lower	Upper
152	100		
151	21.3	17.0	25.6

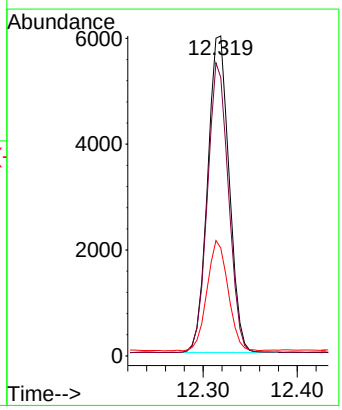


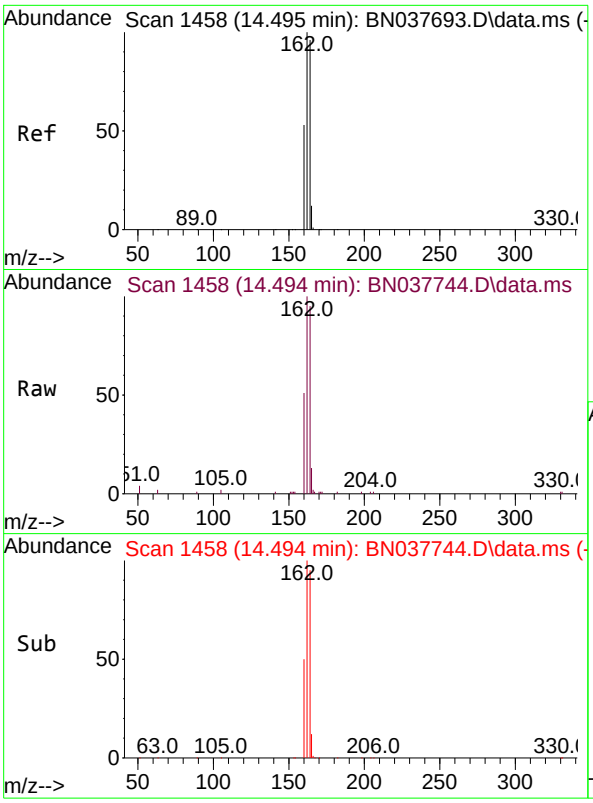


#12
2-Methylnaphthalene
Concen: 0.268 ng
RT: 12.319 min Scan# 1183
Delta R.T. 0.005 min
Lab File: BN037744.D
Acq: 17 Sep 2025 13:59

Tgt Ion:142 Resp: 9478

Ion	Ratio	Lower	Upper
142	100		
141	87.0	71.6	107.4
115	33.7	28.6	43.0



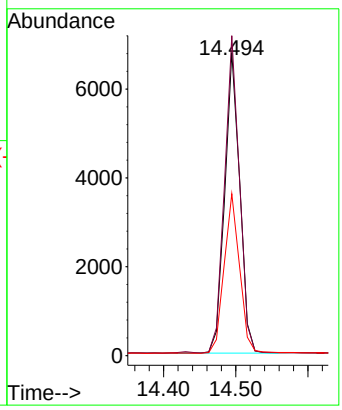


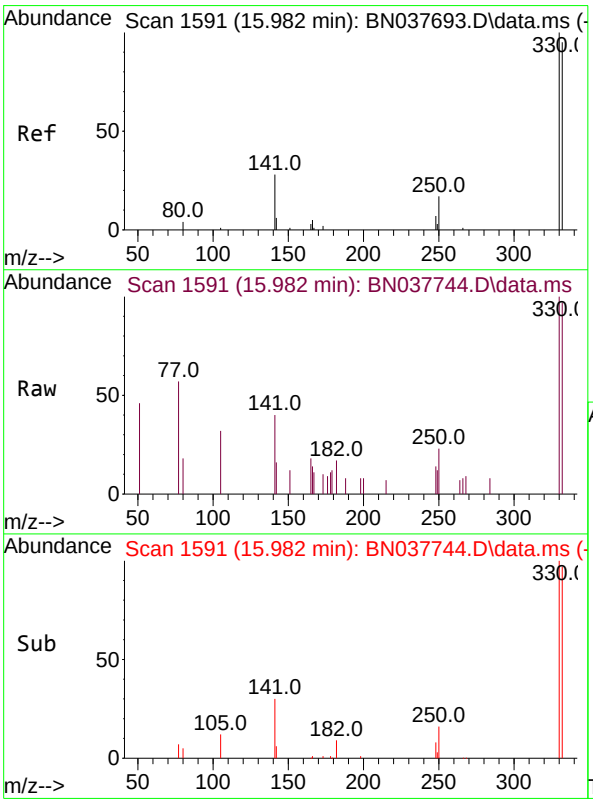
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.494 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN037744.D
Acq: 17 Sep 2025 13:59

Instrument :
BNA_N
ClientSampleId :
MW203D2-20250909MSD

Tgt Ion:164 Resp: 9823

Ion	Ratio	Lower	Upper
164	100		
162	105.6	83.1	124.7
160	53.4	44.3	66.5

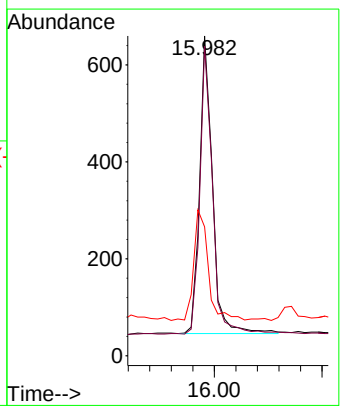


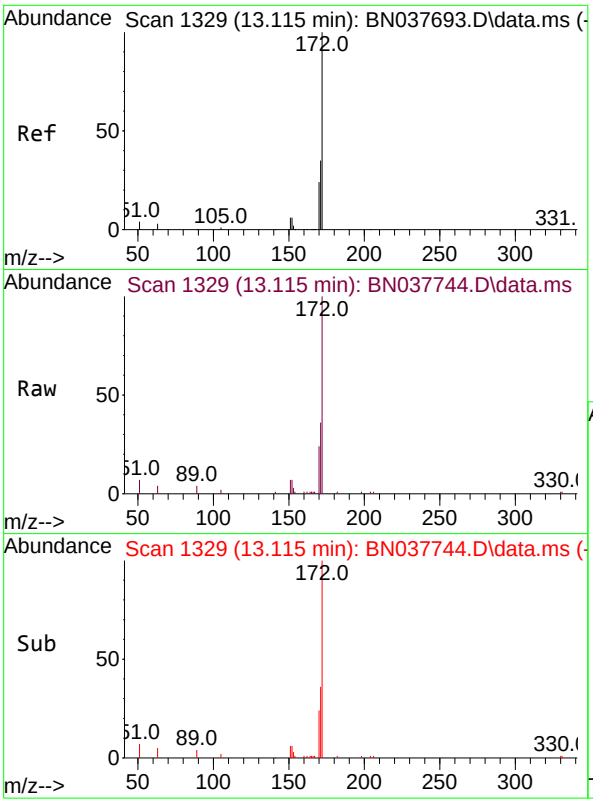


#14
2,4,6-Tribromophenol
Concen: 0.395 ng
RT: 15.982 min Scan# 1591
Delta R.T. -0.000 min
Lab File: BN037744.D
Acq: 17 Sep 2025 13:59

Tgt Ion:330 Resp: 1013

Ion	Ratio	Lower	Upper
330	100		
332	95.6	75.3	112.9
141	41.9	35.0	52.4



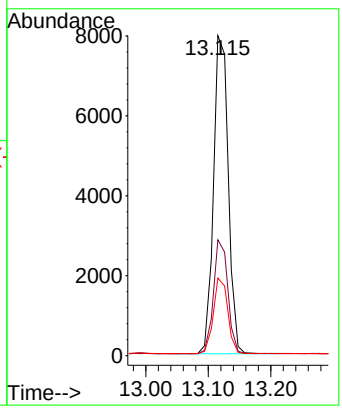


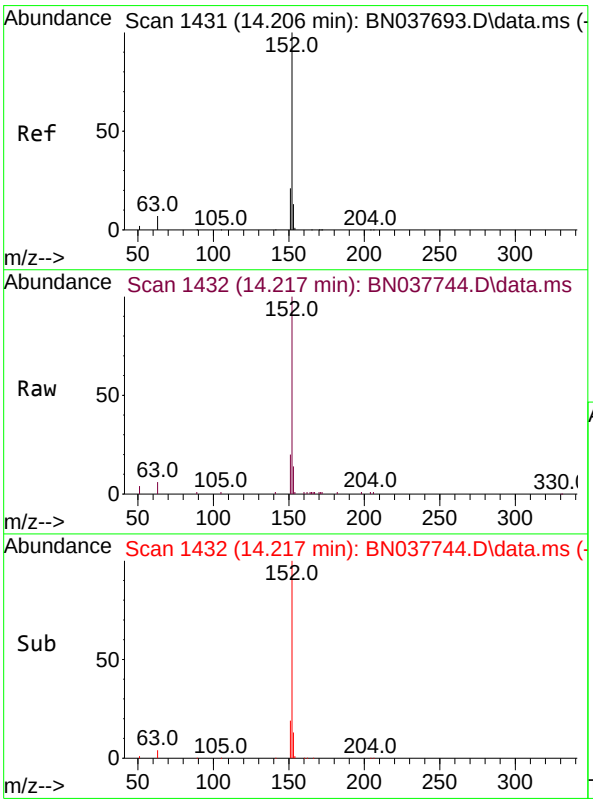
#15
2-Fluorobiphenyl
Concen: 0.318 ng
RT: 13.115 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037744.D
Acq: 17 Sep 2025 13:59

Instrument :
BNA_N
ClientSampleId :
MW203D2-20250909MSD

Tgt Ion:172 Resp: 13067

Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.6	43.0
170	24.2	19.8	29.8

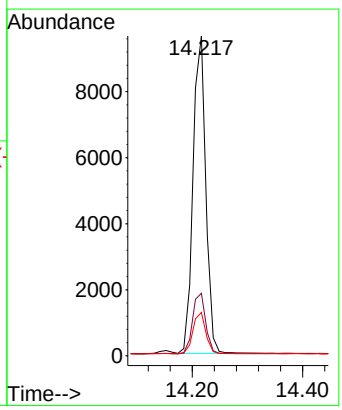


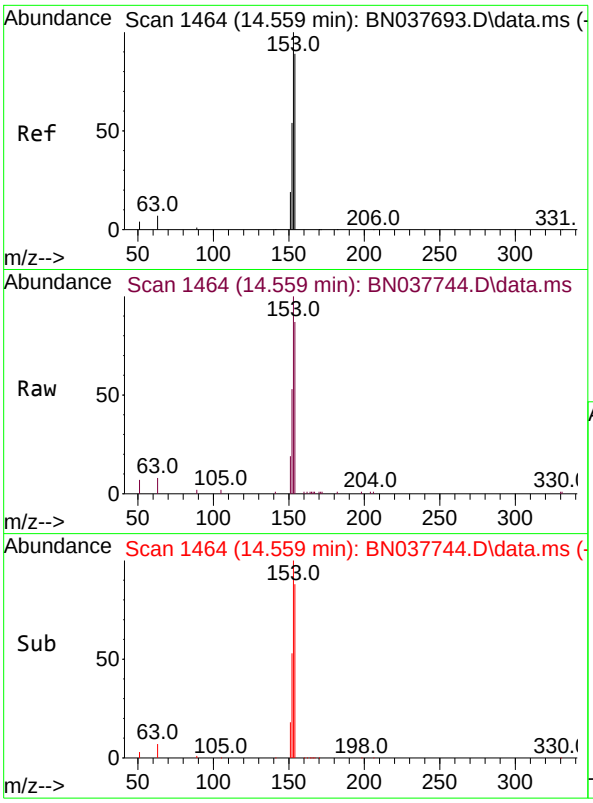


#16
Acenaphthylene
Concen: 0.343 ng
RT: 14.217 min Scan# 1432
Delta R.T. 0.011 min
Lab File: BN037744.D
Acq: 17 Sep 2025 13:59

Tgt Ion:152 Resp: 15433

Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.2	24.2
153	13.2	10.4	15.6



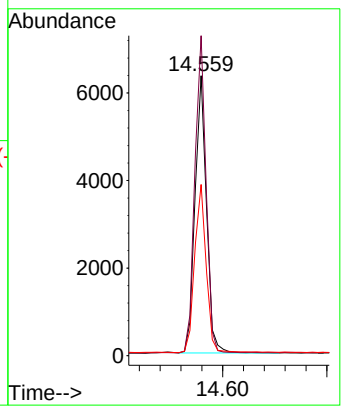


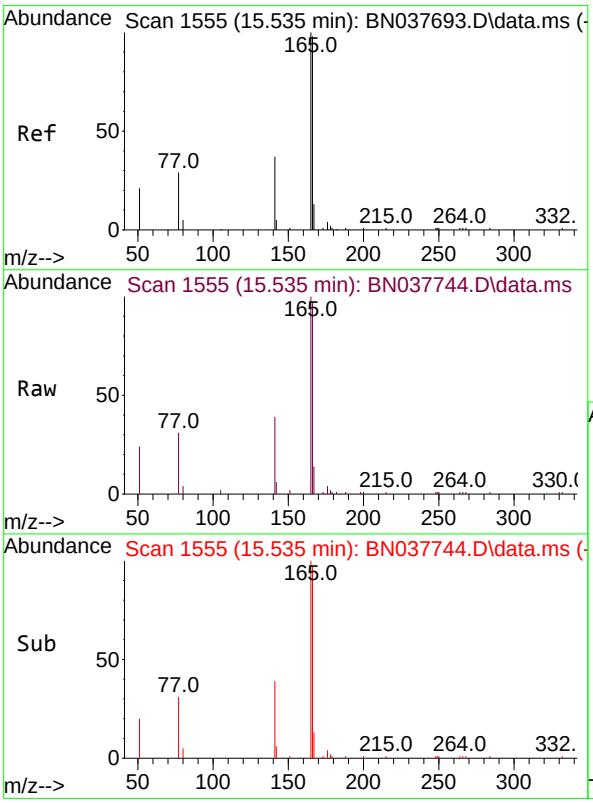
#17
Acenaphthene
Concen: 0.315 ng
RT: 14.559 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN037744.D
Acq: 17 Sep 2025 13:59

Instrument :
BNA_N
ClientSampleId :
MW203D2-20250909MSD

Tgt Ion:154 Resp: 9606

Ion	Ratio	Lower	Upper
154	100		
153	112.1	89.8	134.8
152	61.8	50.2	75.2

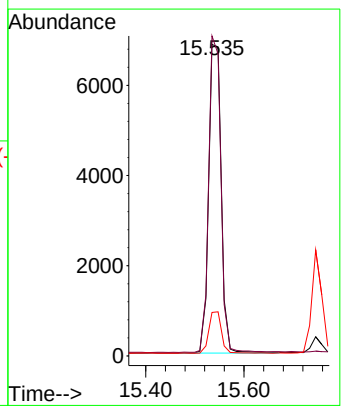


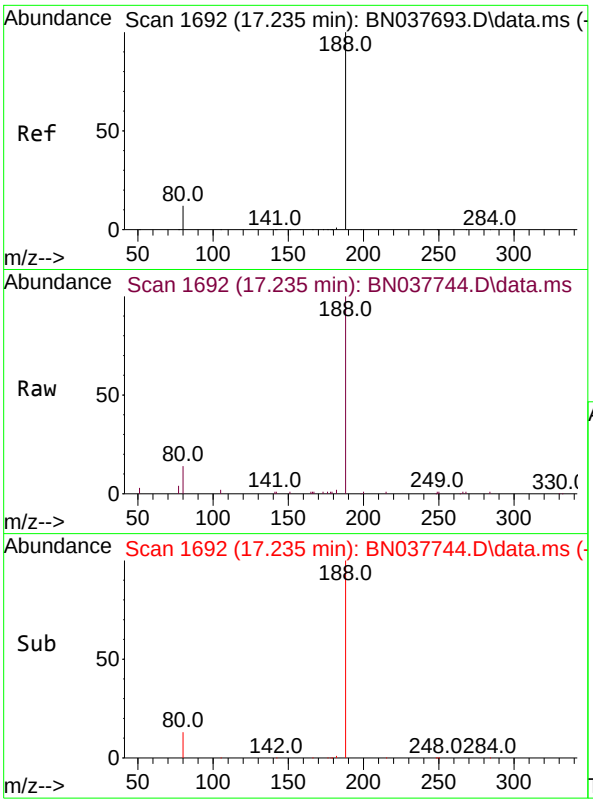


#18
Fluorene
Concen: 0.319 ng
RT: 15.535 min Scan# 1555
Delta R.T. -0.000 min
Lab File: BN037744.D
Acq: 17 Sep 2025 13:59

Tgt Ion:166 Resp: 11771

Ion	Ratio	Lower	Upper
166	100		
165	100.1	79.6	119.4
167	13.8	10.6	16.0



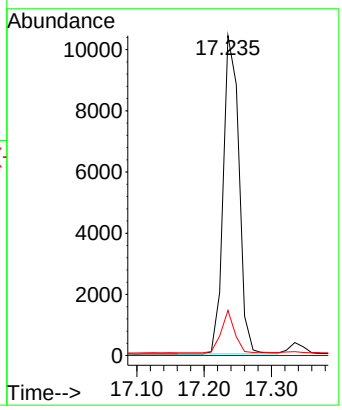


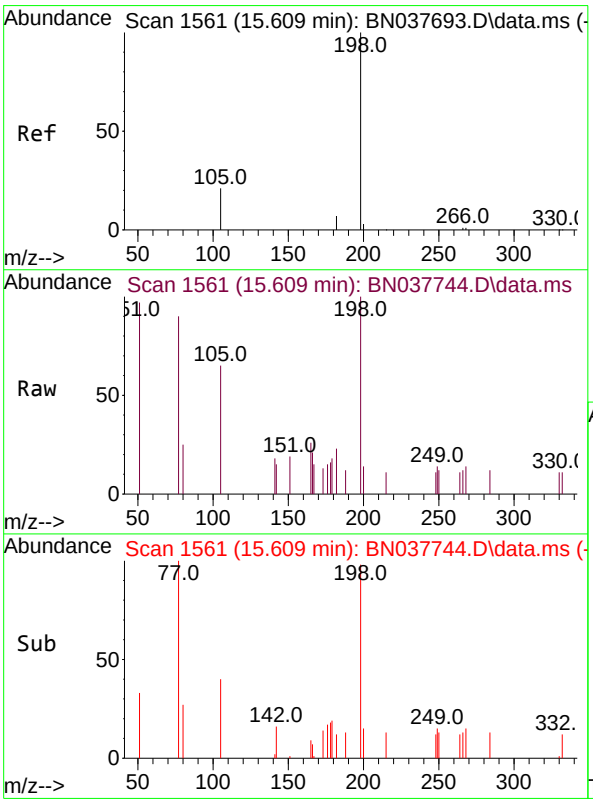
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.235 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037744.D
Acq: 17 Sep 2025 13:59

Instrument :
BNA_N
ClientSampleId :
MW203D2-20250909MSD

Tgt Ion:188 Resp: 16954

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	14.1	10.6	15.8

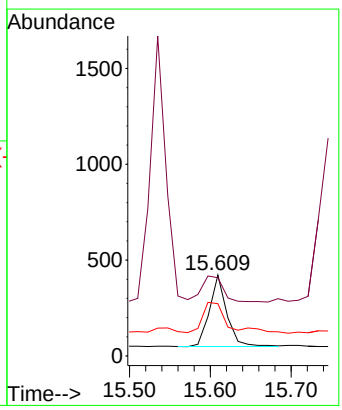


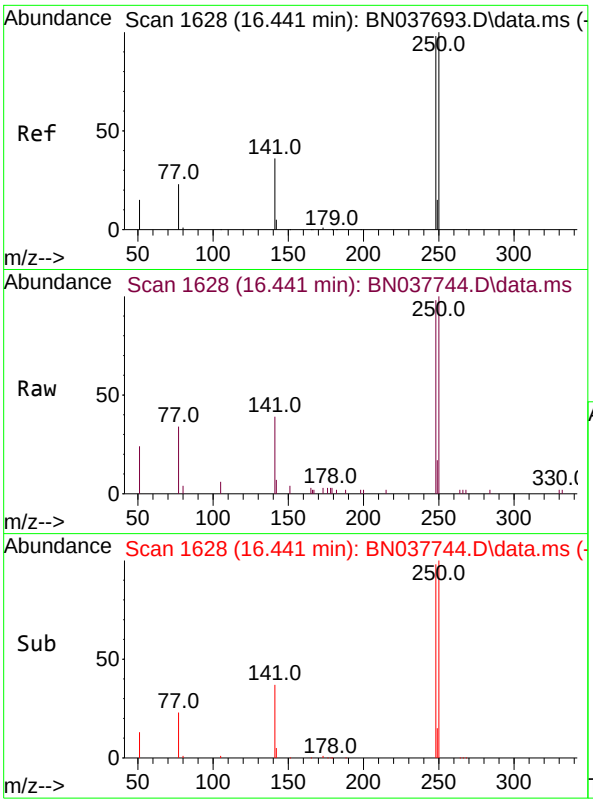


#20
4,6-Dinitro-2-methylphenol
Concen: 0.352 ng
RT: 15.609 min Scan# 1561
Delta R.T. 0.000 min
Lab File: BN037744.D
Acq: 17 Sep 2025 13:59

Tgt Ion:198 Resp: 553

Ion	Ratio	Lower	Upper
198	100		
51	96.7	95.1	142.7
105	64.7	53.8	80.6



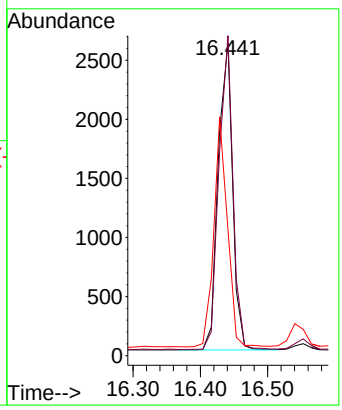


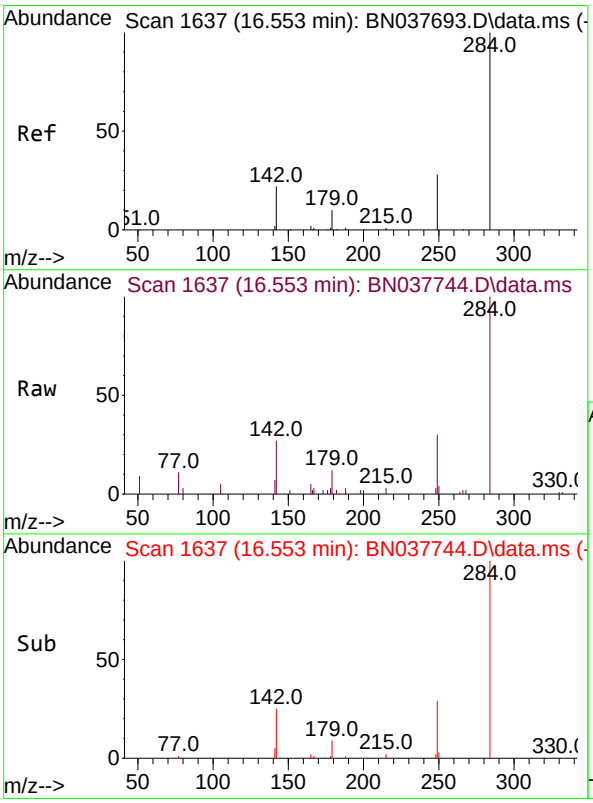
#21
4-Bromophenyl-phenylether
Concen: 0.352 ng
RT: 16.441 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN037744.D
Acq: 17 Sep 2025 13:59

Instrument :
BNA_N
ClientSampleId :
MW203D2-20250909MSD

Tgt Ion:248 Resp: 3888

Ion	Ratio	Lower	Upper
248	100		
250	102.3	81.5	122.3
141	40.3	30.8	46.2

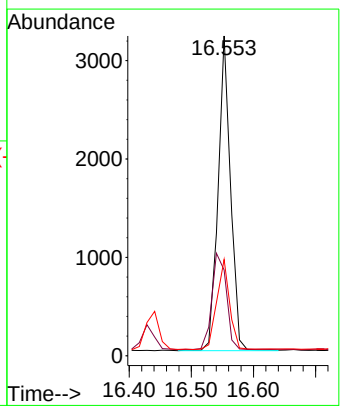


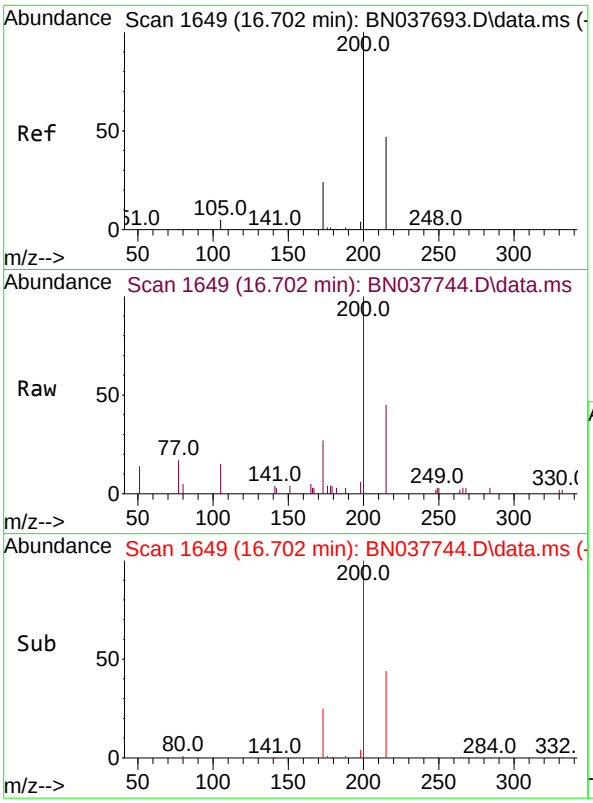


#22
Hexachlorobenzene
Concen: 0.352 ng
RT: 16.553 min Scan# 1637
Delta R.T. -0.000 min
Lab File: BN037744.D
Acq: 17 Sep 2025 13:59

Tgt Ion:284 Resp: 4480

Ion	Ratio	Lower	Upper
284	100		
142	35.8	30.9	46.3
249	29.5	24.8	37.2



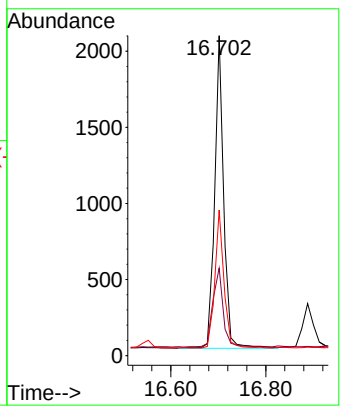


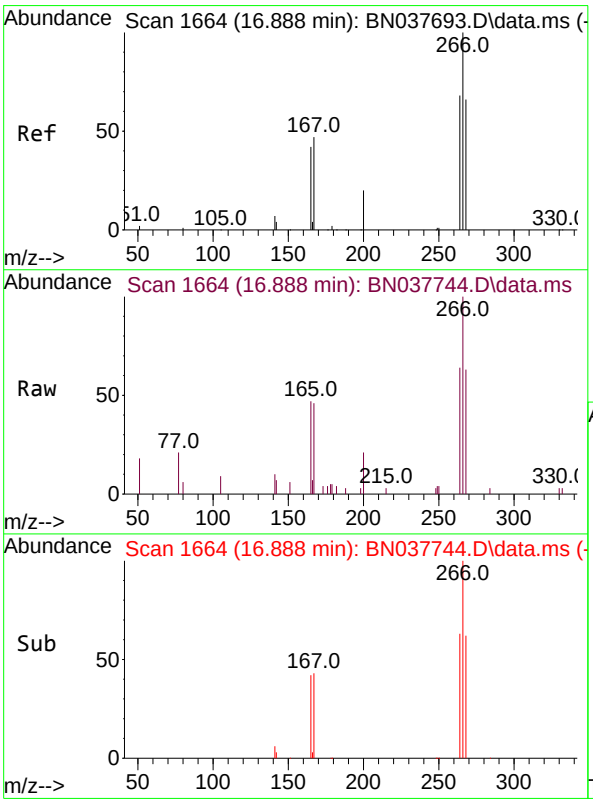
#23
Atrazine
Concen: 0.385 ng
RT: 16.702 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037744.D
Acq: 17 Sep 2025 13:59

Instrument :
BNA_N
ClientSampleId :
MW203D2-20250909MSD

Tgt Ion:200 Resp: 2705

Ion	Ratio	Lower	Upper
200	100		
173	27.3	21.4	32.2
215	45.5	39.2	58.8

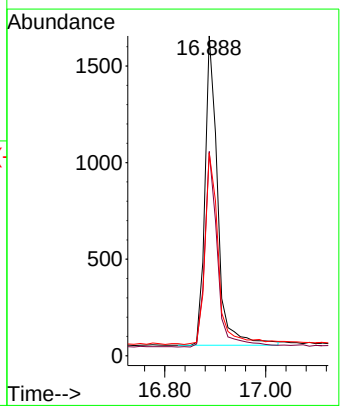


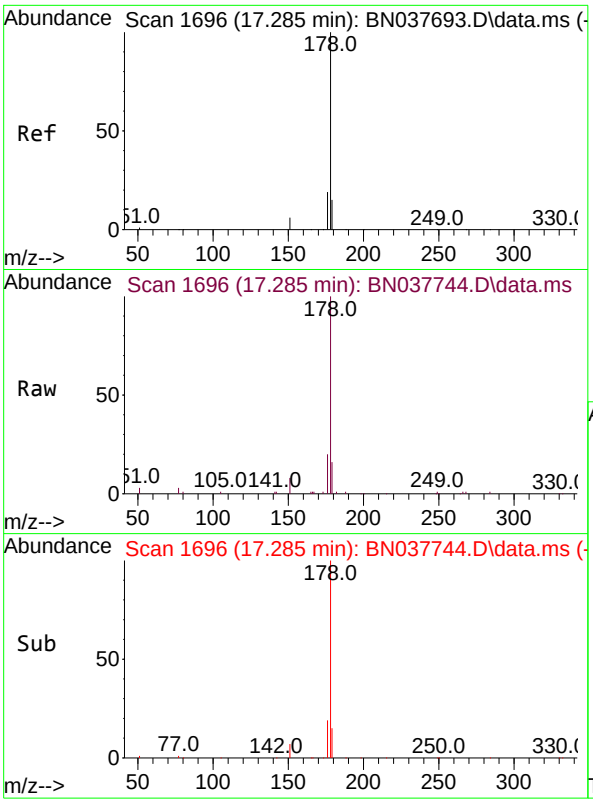


#24
Pentachlorophenol
Concen: 0.753 ng
RT: 16.888 min Scan# 1664
Delta R.T. -0.000 min
Lab File: BN037744.D
Acq: 17 Sep 2025 13:59

Tgt Ion:266 Resp: 2781

Ion	Ratio	Lower	Upper
266	100		
264	62.8	51.6	77.4
268	65.4	53.2	79.8



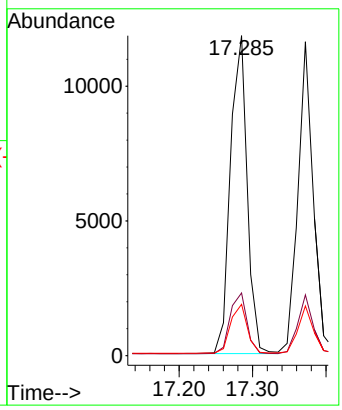


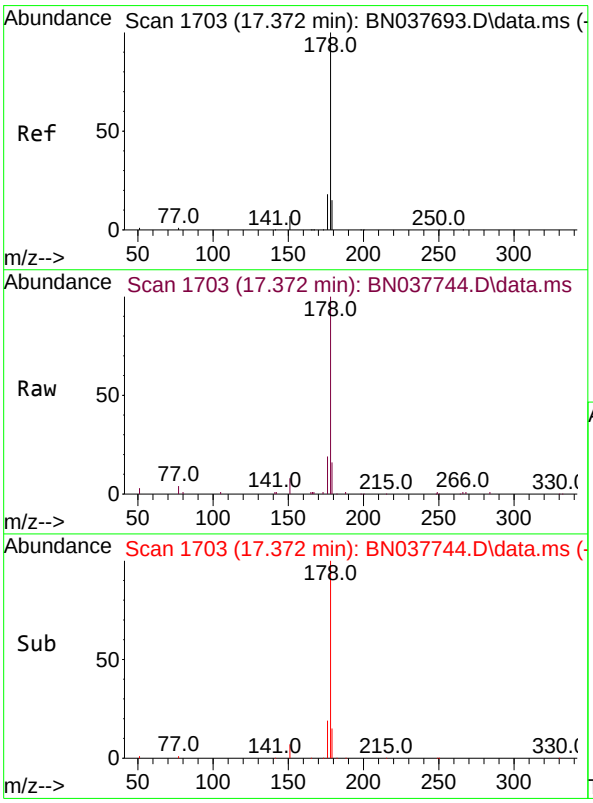
#25
Phenanthrene
Concen: 0.351 ng
RT: 17.285 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037744.D
Acq: 17 Sep 2025 13:59

Instrument :
BNA_N
ClientSampleId :
MW203D2-20250909MSD

Tgt Ion:178 Resp: 18751

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	15.5	12.2	18.2

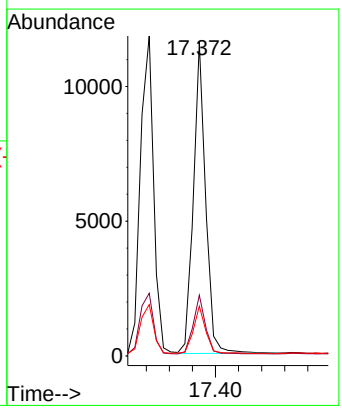


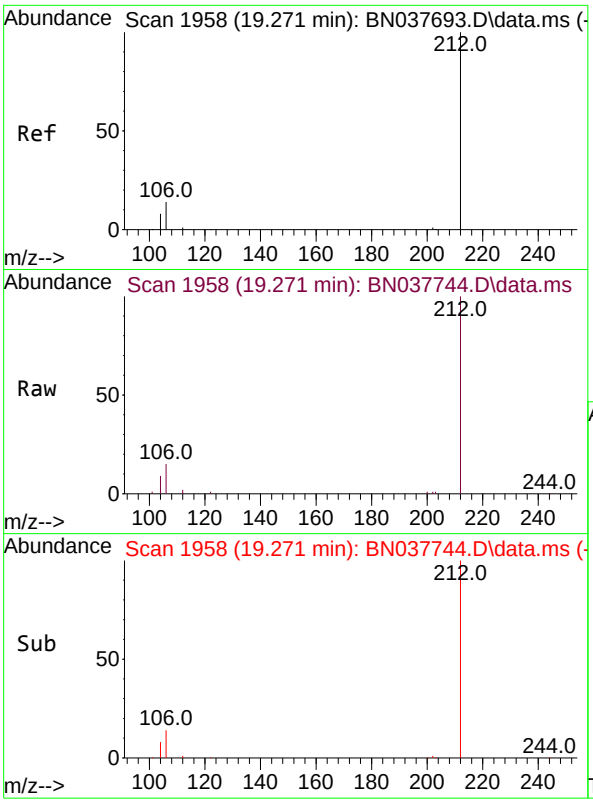


#26
Anthracene
Concen: 0.358 ng
RT: 17.372 min Scan# 1703
Delta R.T. -0.000 min
Lab File: BN037744.D
Acq: 17 Sep 2025 13:59

Tgt Ion:178 Resp: 16950

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.6	22.0
179	15.2	12.2	18.4



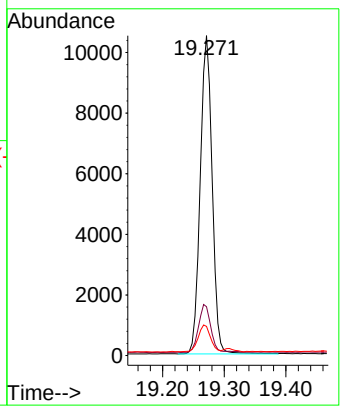


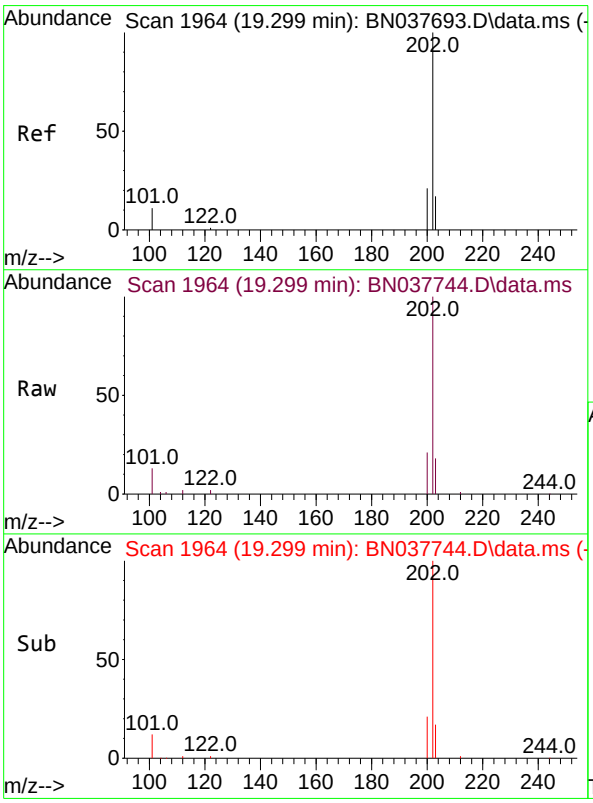
#27
Fluoranthene-d10
Concen: 0.330 ng
RT: 19.271 min Scan# 19
Delta R.T. -0.000 min
Lab File: BN037744.D
Acq: 17 Sep 2025 13:59

Instrument :
BNA_N
ClientSampleId :
MW203D2-20250909MSD

Tgt Ion:212 Resp: 14031

Ion	Ratio	Lower	Upper
212	100		
106	15.7	12.2	18.2
104	8.6	6.9	10.3

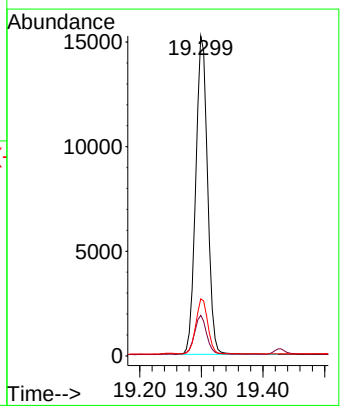


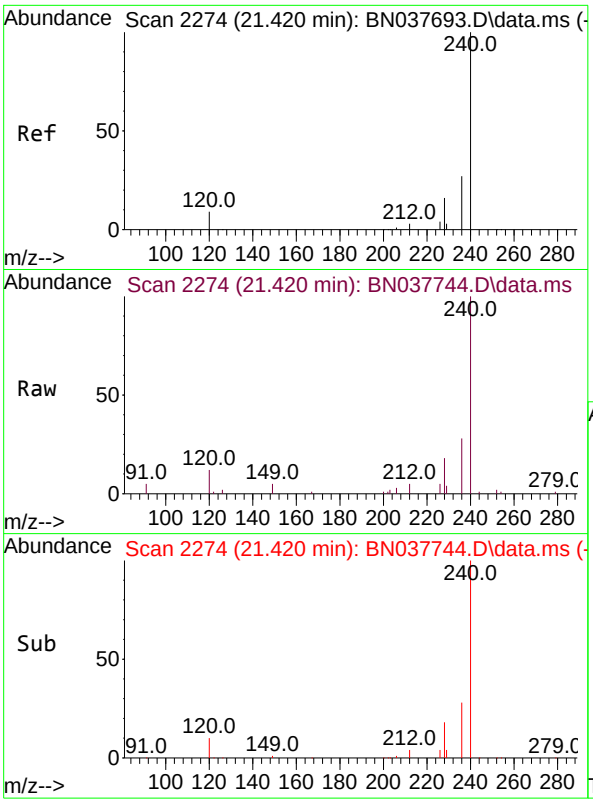


#28
Fluoranthene
Concen: 0.345 ng
RT: 19.299 min Scan# 1964
Delta R.T. -0.000 min
Lab File: BN037744.D
Acq: 17 Sep 2025 13:59

Tgt Ion:202 Resp: 20168

Ion	Ratio	Lower	Upper
202	100		
101	12.5	9.3	13.9
203	17.4	13.7	20.5



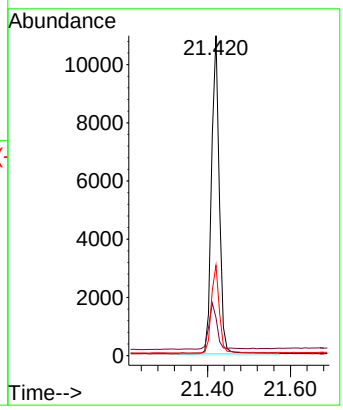


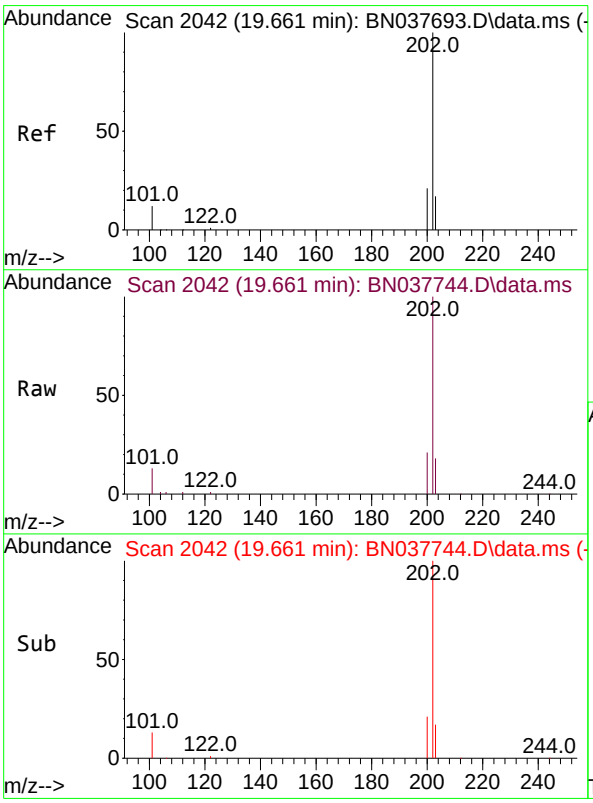
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.420 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN037744.D
Acq: 17 Sep 2025 13:59

Instrument :
BNA_N
ClientSampleId :
MW203D2-20250909MSD

Tgt Ion:240 Resp: 14253

Ion	Ratio	Lower	Upper
240	100		
120	11.8	9.2	13.8
236	28.2	22.6	33.8

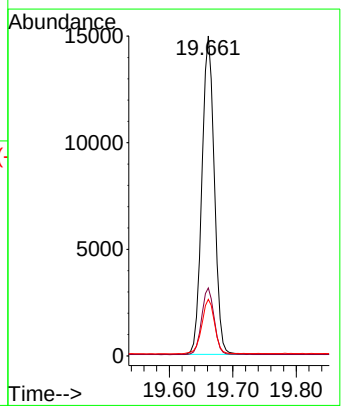


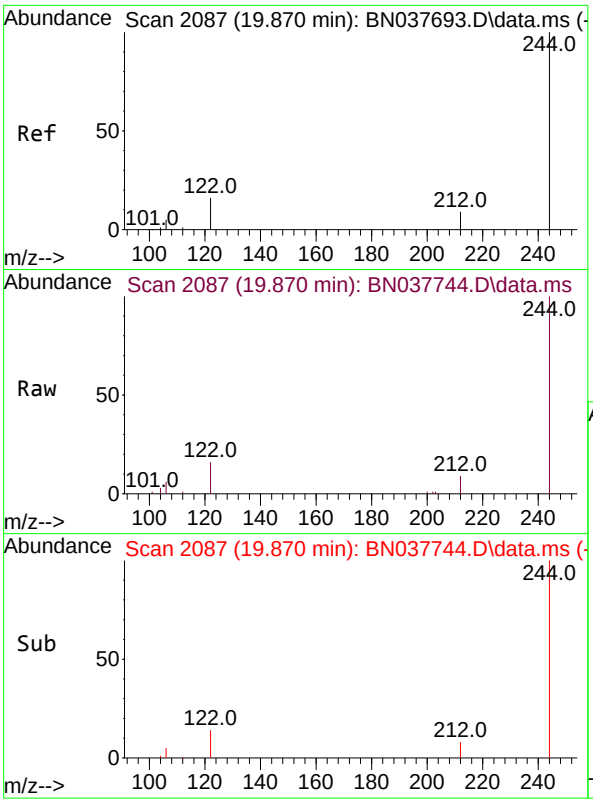


#30
Pyrene
Concen: 0.365 ng
RT: 19.661 min Scan# 2042
Delta R.T. -0.000 min
Lab File: BN037744.D
Acq: 17 Sep 2025 13:59

Tgt Ion:202 Resp: 20353

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.8	25.2
203	17.8	14.3	21.5



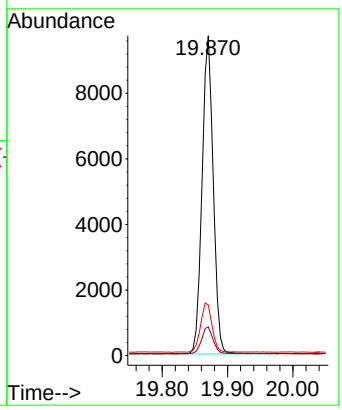


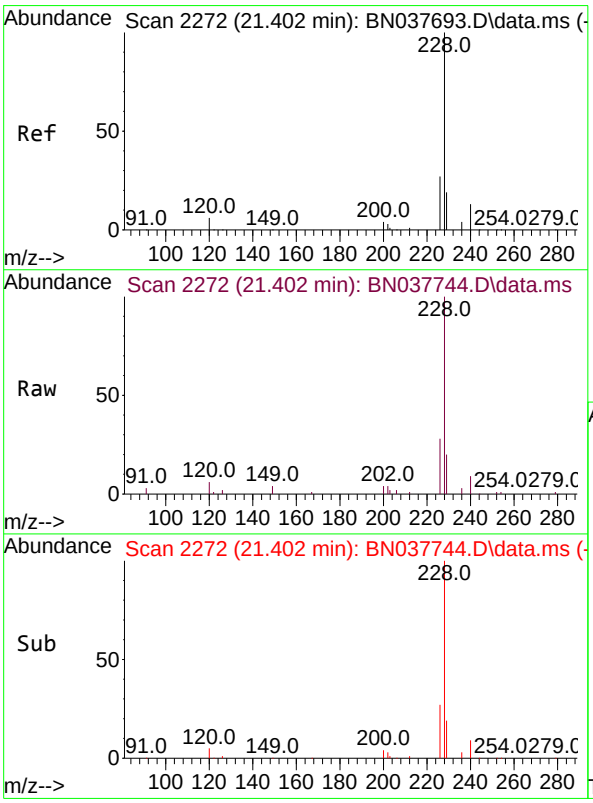
#31
Terphenyl-d14
Concen: 0.397 ng
RT: 19.870 min Scan# 20
Delta R.T. -0.000 min
Lab File: BN037744.D
Acq: 17 Sep 2025 13:59

Instrument :
BNA_N
ClientSampleId :
MW203D2-20250909MSD

Tgt Ion:244 Resp: 11475

Ion	Ratio	Lower	Upper
244	100		
212	9.0	7.5	11.3
122	15.8	13.2	19.8

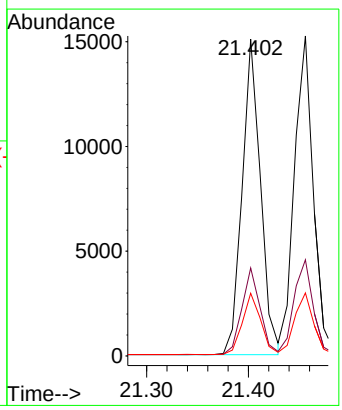


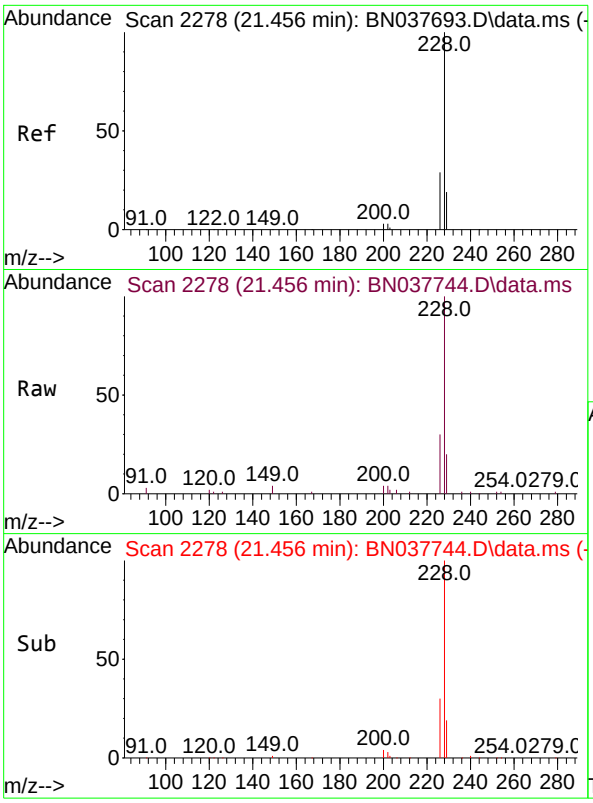


#32
Benzo(a)anthracene
Concen: 0.380 ng
RT: 21.402 min Scan# 2272
Delta R.T. -0.000 min
Lab File: BN037744.D
Acq: 17 Sep 2025 13:59

Tgt Ion:228 Resp: 18881

Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.2	33.2
229	19.8	15.8	23.6



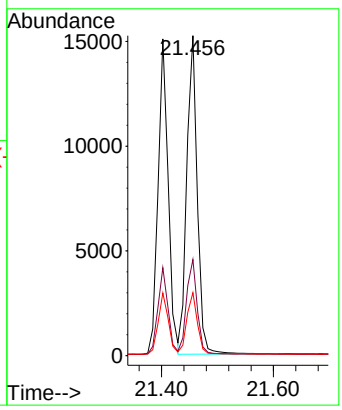


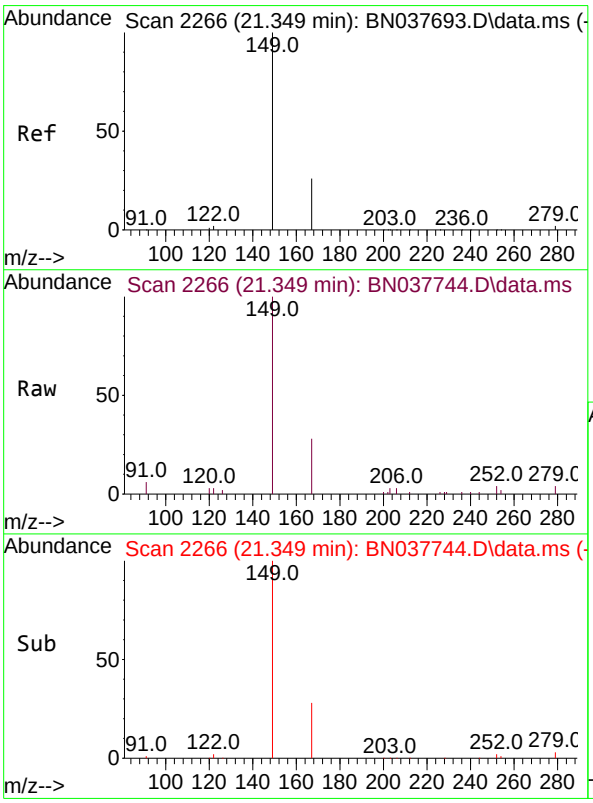
#33
Chrysene
Concen: 0.372 ng
RT: 21.456 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037744.D
Acq: 17 Sep 2025 13:59

Instrument :
BNA_N
ClientSampleId :
MW203D2-20250909MSD

Tgt Ion:228 Resp: 19830

Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.5	35.3
229	19.7	15.9	23.9

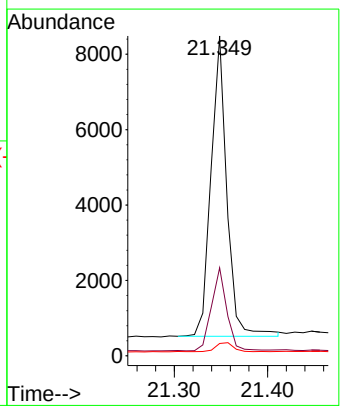


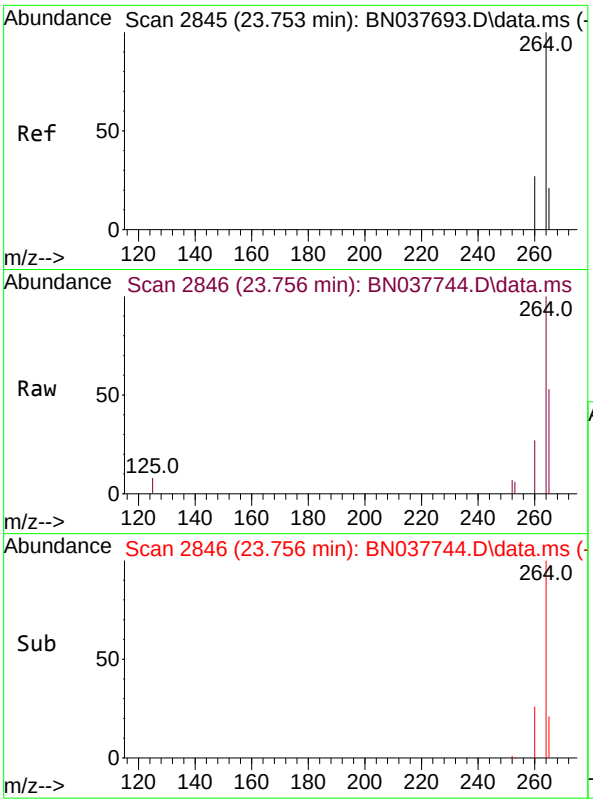


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.639 ng
RT: 21.349 min Scan# 2266
Delta R.T. -0.000 min
Lab File: BN037744.D
Acq: 17 Sep 2025 13:59

Tgt Ion:149 Resp: 9422

Ion	Ratio	Lower	Upper
149	100		
167	26.4	20.8	31.2
279	3.3	3.3	4.9#



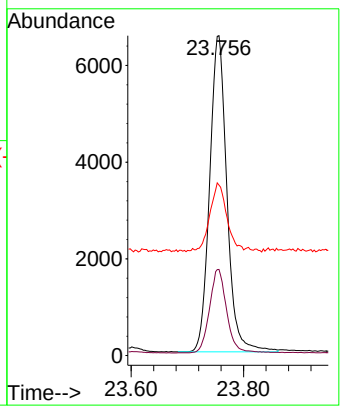


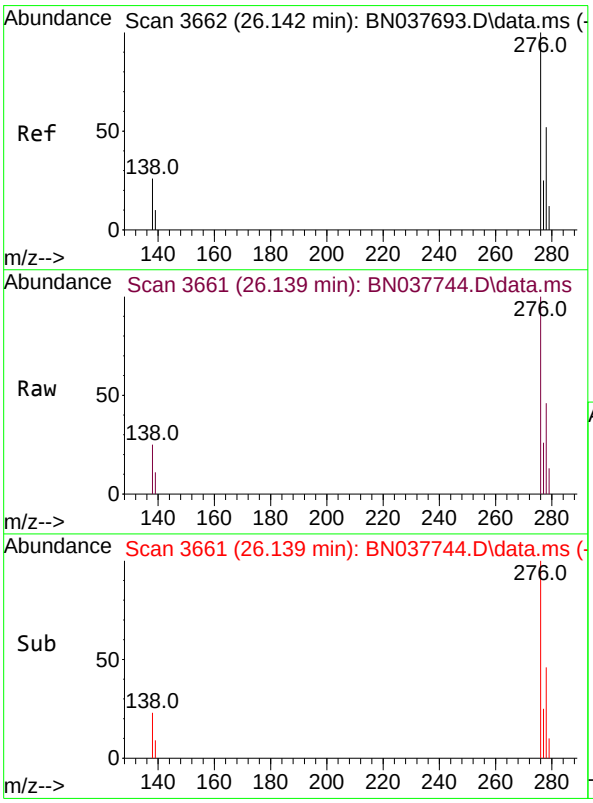
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.756 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN037744.D
Acq: 17 Sep 2025 13:59

Instrument :
BNA_N
ClientSampleId :
MW203D2-20250909MSD

Tgt Ion:264 Resp: 13967

Ion	Ratio	Lower	Upper
264	100		
260	26.9	21.8	32.8
265	53.3	39.4	59.2

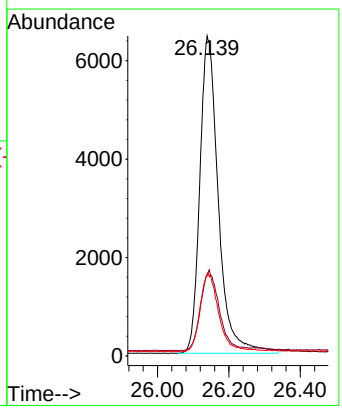


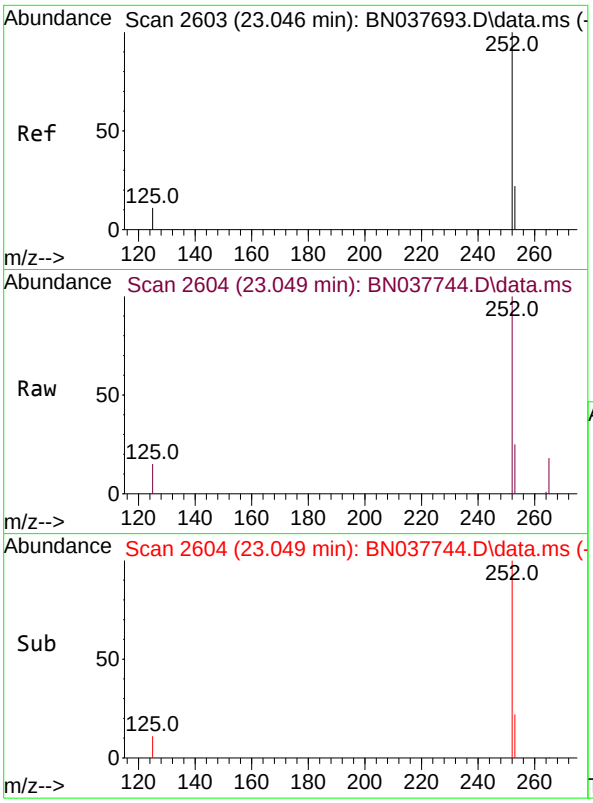


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.395 ng
RT: 26.139 min Scan# 3661
Delta R.T. -0.003 min
Lab File: BN037744.D
Acq: 17 Sep 2025 13:59

Tgt Ion:276 Resp: 23199

Ion	Ratio	Lower	Upper
276	100		
138	25.6	21.9	32.9
277	24.6	20.1	30.1



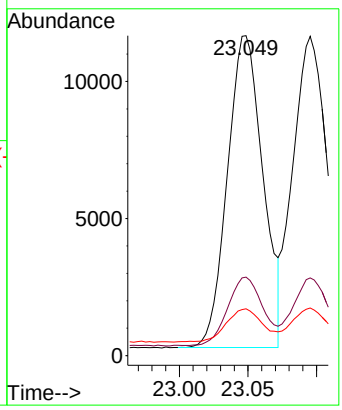


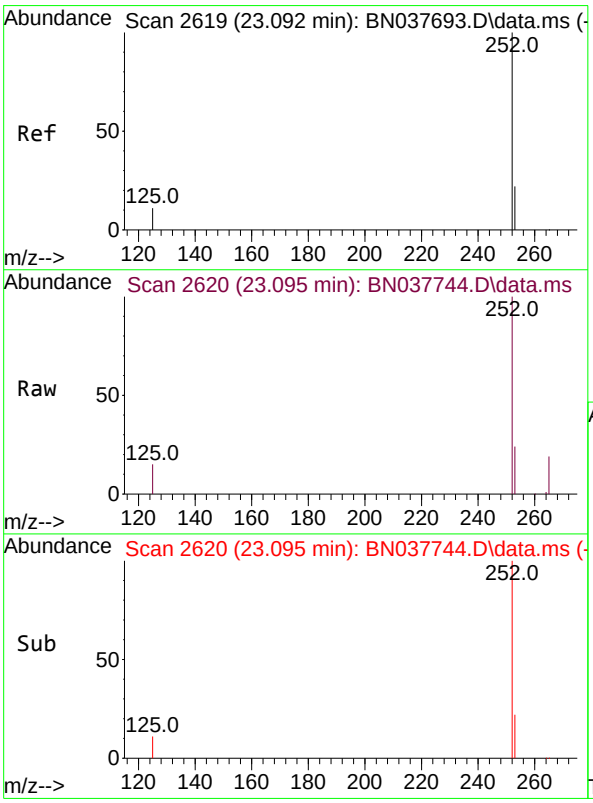
#37
Benzo(b)fluoranthene
Concen: 0.373 ng
RT: 23.049 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN037744.D
Acq: 17 Sep 2025 13:59

Instrument :
BNA_N
ClientSampleId :
MW203D2-20250909MSD

Tgt Ion:252 Resp: 20529

Ion	Ratio	Lower	Upper
252	100		
253	24.6	19.4	29.2
125	14.6	11.2	16.8

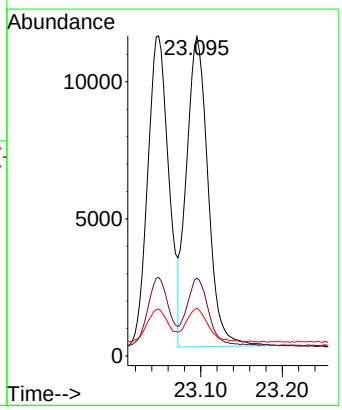


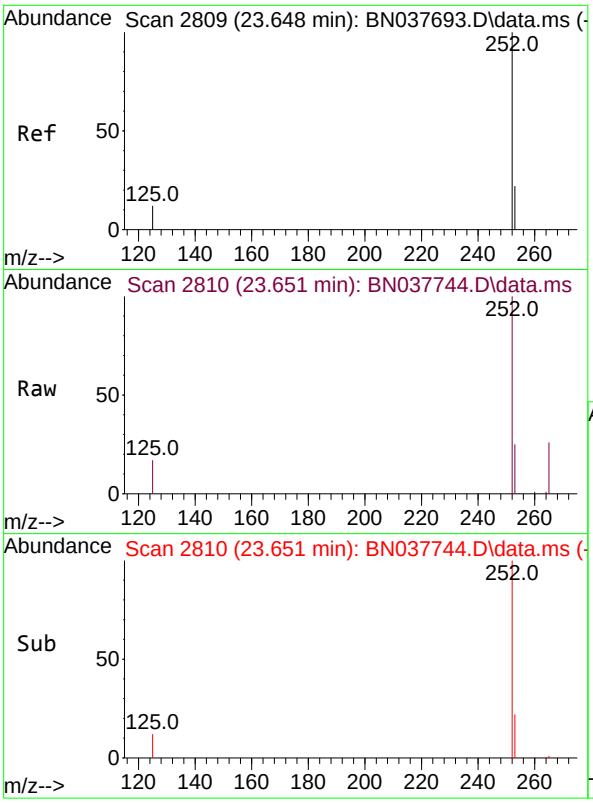


#38
Benzo(k)fluoranthene
Concen: 0.370 ng
RT: 23.095 min Scan# 2620
Delta R.T. 0.003 min
Lab File: BN037744.D
Acq: 17 Sep 2025 13:59

Tgt Ion:252 Resp: 20752

Ion	Ratio	Lower	Upper
252	100		
253	24.3	19.4	29.0
125	14.9	11.6	17.4



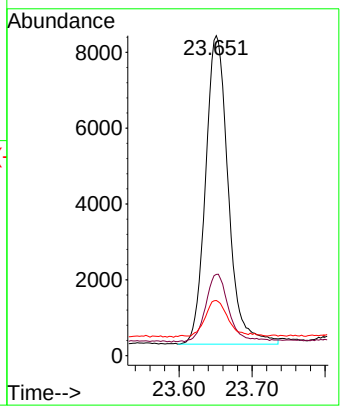


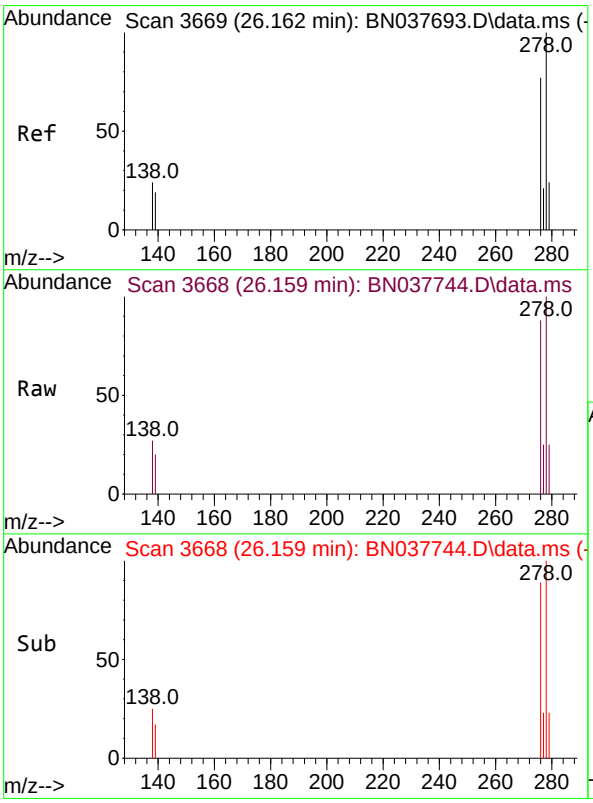
#39
Benzo(a)pyrene
Concen: 0.400 ng
RT: 23.651 min Scan# 28
Delta R.T. 0.003 min
Lab File: BN037744.D
Acq: 17 Sep 2025 13:59

Instrument :
BNA_N
ClientSampleId :
MW203D2-20250909MSD

Tgt Ion:252 Resp: 17627

Ion	Ratio	Lower	Upper
252	100		
253	25.4	20.8	31.2
125	17.2	13.9	20.9

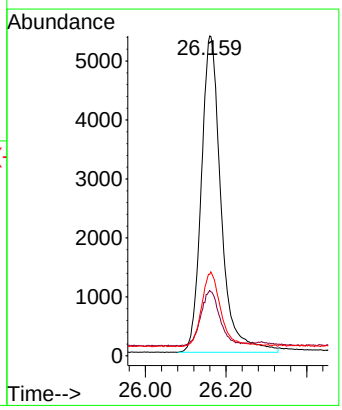


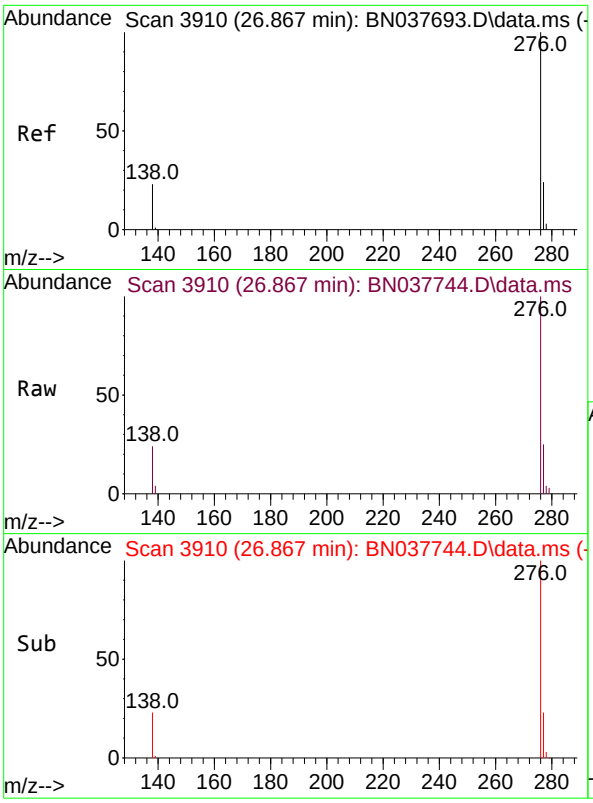


#40
Dibenzo(a,h)anthracene
Concen: 0.389 ng
RT: 26.159 min Scan# 3668
Delta R.T. -0.003 min
Lab File: BN037744.D
Acq: 17 Sep 2025 13:59

Tgt Ion:278 Resp: 18232

Ion	Ratio	Lower	Upper
278	100		
139	20.4	17.8	26.6
279	25.5	22.0	33.0



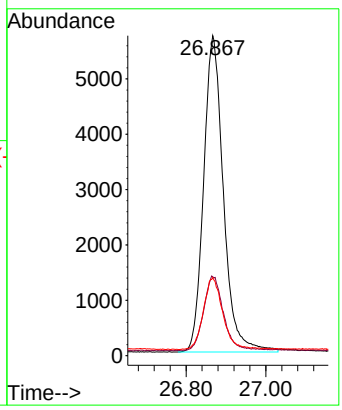


#41
Benzo(g,h,i)perylene
Concen: 0.375 ng
RT: 26.867 min Scan# 3
Delta R.T. -0.000 min
Lab File: BN037744.D
Acq: 17 Sep 2025 13:59

Instrument :
BNA_N
ClientSampleId :
MW203D2-20250909MSD

Tgt Ion:276 Resp: 19707

Ion	Ratio	Lower	Upper
276	100		
277	24.6	20.6	31.0
138	24.4	20.2	30.2



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:	09/11/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	RE103D2-20250911MSD	SDG No.:	Q3095
Lab Sample ID:	Q3097-03MSD	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
BN037773.D	1	09/15/25 12:00	09/18/25 12:25	PB169693

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.73		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.28		30 - 150		70%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.36		30 - 150		90%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.33		55 - 111		82%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.31		53 - 106		76%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.41		58 - 132		101%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7160	7.833				
1146-65-2	Naphthalene-d8	19100	10.637				
15067-26-2	Acenaphthene-d10	8490	14.484				
1517-22-2	Phenanthrene-d10	14200	17.235				
1719-03-5	Chrysene-d12	12000	21.411				
1520-96-3	Perylene-d12	11700	23.747				

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\BN091725\
Data File : BN037773.D
Acq On : 18 Sep 2025 12:25
Operator : RC/JU
Sample : Q3097-03MSD
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE103D2-20250911MSD

Quant Time: Sep 18 12:59:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

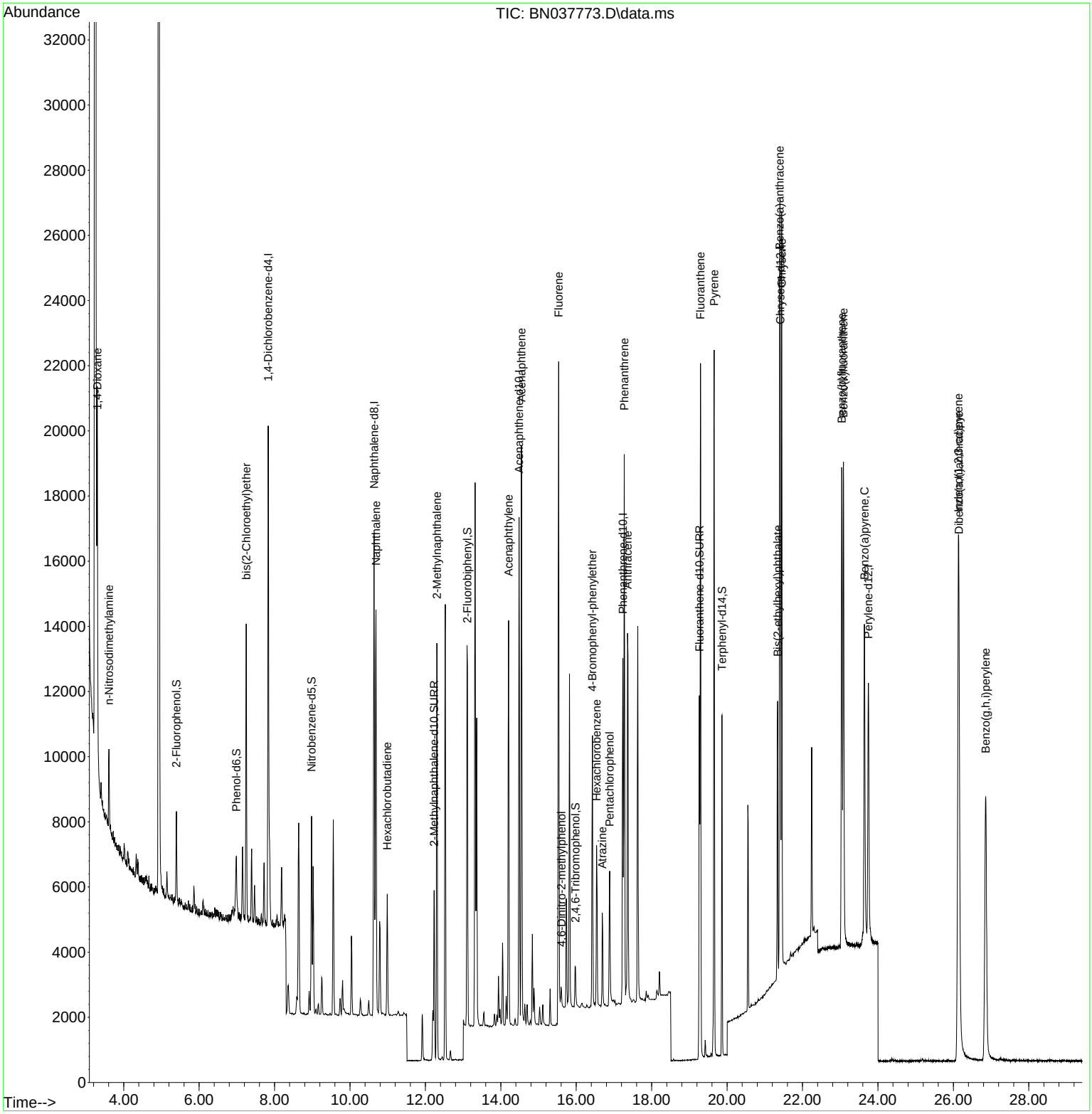
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.833	152	7159	0.400	ng	0.00
7) Naphthalene-d8	10.637	136	19099	0.400	ng	-0.01
13) Acenaphthene-d10	14.484	164	8494	0.400	ng	-0.01
19) Phenanthrene-d10	17.235	188	14218	0.400	ng	# 0.00
29) Chrysene-d12	21.411	240	11982	0.400	ng	# 0.00
35) Perylene-d12	23.747	264	11726	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.399	112	2162	0.132	ng	0.00
5) Phenol-d6	6.988	99	1603	0.075	ng	0.00
8) Nitrobenzene-d5	8.982	82	4572	0.327	ng	-0.01
11) 2-Methylnaphthalene-d10	12.232	152	7086	0.280	ng	-0.01
14) 2,4,6-Tribromophenol	15.982	330	876	0.395	ng	0.00
15) 2-Fluorobiphenyl	13.115	172	10884	0.306	ng	0.00
27) Fluoranthene-d10	19.266	212	12926	0.362	ng	0.00
31) Terphenyl-d14	19.866	244	9877	0.406	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.304	88	5455	0.732	ng	# 93
3) n-Nitrosodimethylamine	3.608	42	1372	0.141	ng	# 93
6) bis(2-Chloroethyl)ether	7.248	93	6329	0.332	ng	100
9) Naphthalene	10.690	128	16829	0.322	ng	99
10) Hexachlorobutadiene	10.989	225	2887	0.306	ng	# 98
12) 2-Methylnaphthalene	12.303	142	9108	0.282	ng	100
16) Acenaphthylene	14.206	152	13370	0.343	ng	99
17) Acenaphthene	14.548	154	8415	0.319	ng	99
18) Fluorene	15.535	166	10028	0.314	ng	100
20) 4,6-Dinitro-2-methylph...	15.609	198	468	0.355	ng	94
21) 4-Bromophenyl-phenylether	16.429	248	3385	0.365	ng	# 87
22) Hexachlorobenzene	16.540	284	3993	0.374	ng	98
23) Atrazine	16.689	200	2440	0.414	ng	# 90
24) Pentachlorophenol	16.888	266	2303	0.744	ng	97
25) Phenanthrene	17.273	178	16893	0.377	ng	99
26) Anthracene	17.359	178	14220	0.359	ng	99
28) Fluoranthene	19.294	202	18446	0.376	ng	99
30) Pyrene	19.657	202	18763	0.400	ng	100
32) Benzo(a)anthracene	21.393	228	17097	0.409	ng	99
33) Chrysene	21.447	228	18729	0.418	ng	98
34) Bis(2-ethylhexyl)phtha...	21.339	149	5916	0.477	ng	99
36) Indeno(1,2,3-cd)pyrene	26.130	276	22920	0.465	ng	99
37) Benzo(b)fluoranthene	23.040	252	19407	0.420	ng	98
38) Benzo(k)fluoranthene	23.086	252	19956	0.424	ng	98
39) Benzo(a)pyrene	23.642	252	15734	0.426	ng	98
40) Dibenzo(a,h)anthracene	26.148	278	17896	0.455	ng	97
41) Benzo(g,h,i)perylene	26.855	276	19134	0.433	ng	98

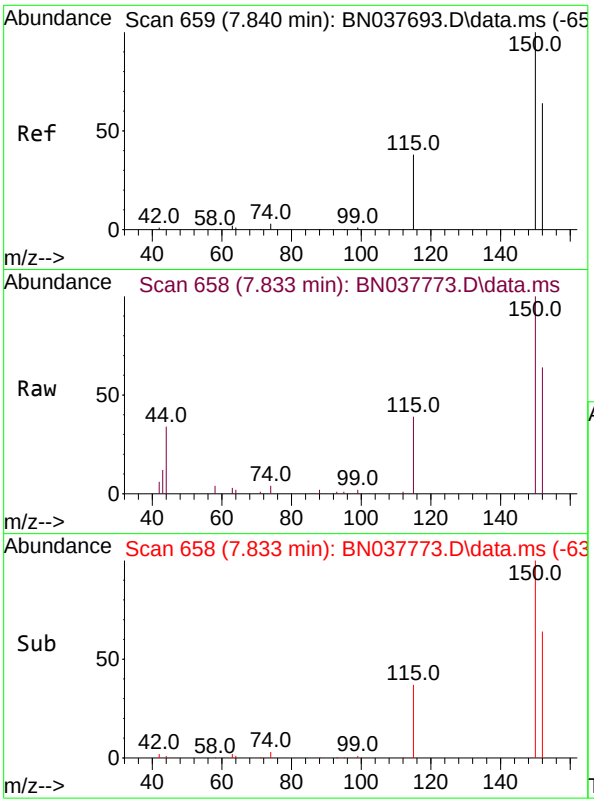
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091725\
Data File : BN037773.D
Acq On : 18 Sep 2025 12:25
Operator : RC/JU
Sample : Q3097-03MSD
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE103D2-20250911MSD

Quant Time: Sep 18 12:59:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration



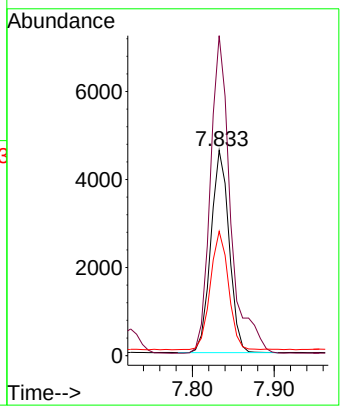


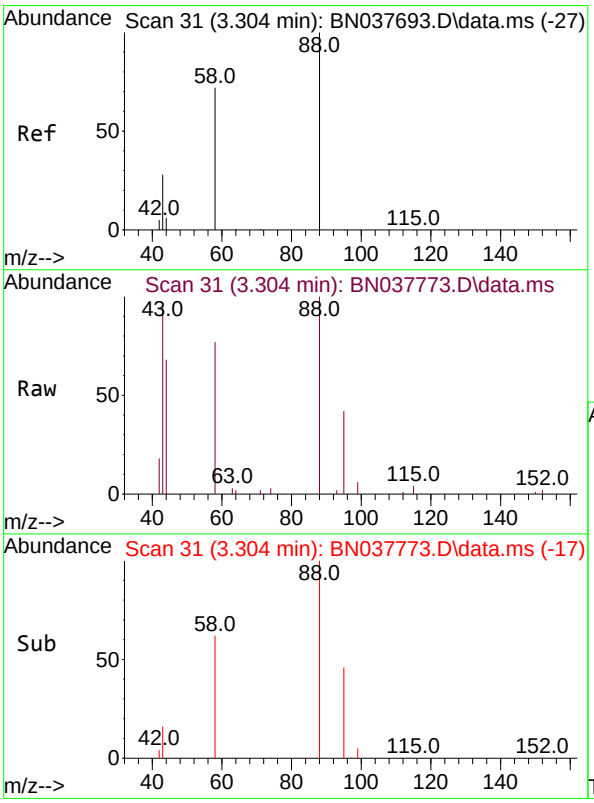
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.833 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN037773.D
Acq: 18 Sep 2025 12:25

Instrument :
BNA_N
ClientSampleId :
RE103D2-20250911MSD

Tgt Ion:152 Resp: 7159

Ion	Ratio	Lower	Upper
152	100		
150	155.9	124.5	186.7
115	60.5	49.2	73.8

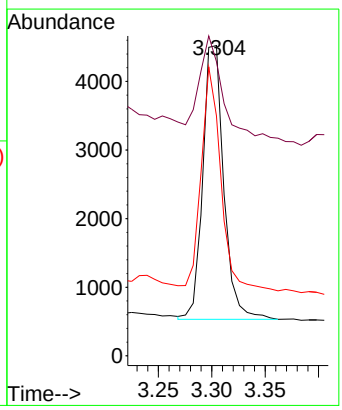


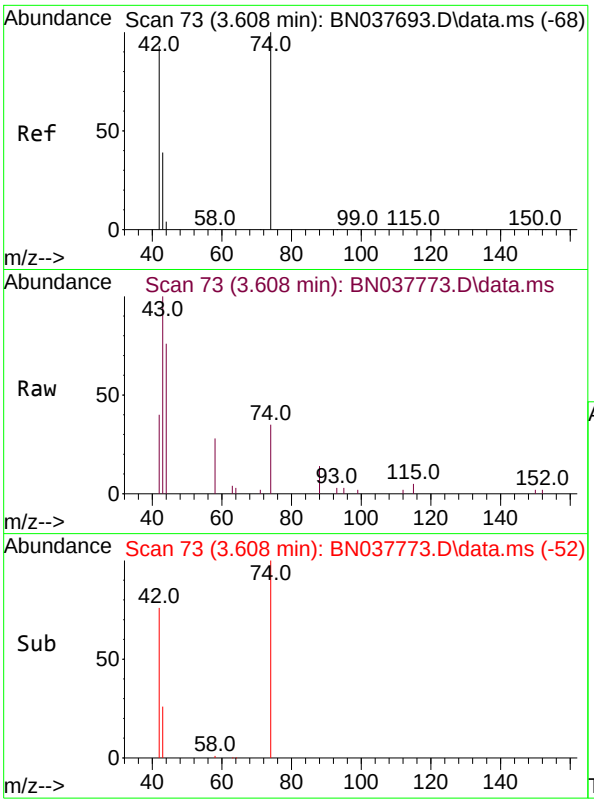


#2
1,4-Dioxane
Concen: 0.732 ng
RT: 3.304 min Scan# 31
Delta R.T. -0.000 min
Lab File: BN037773.D
Acq: 18 Sep 2025 12:25

Tgt Ion: 88 Resp: 5455

Ion	Ratio	Lower	Upper
88	100		
43	45.0	26.8	40.2#
58	76.7	61.9	92.9



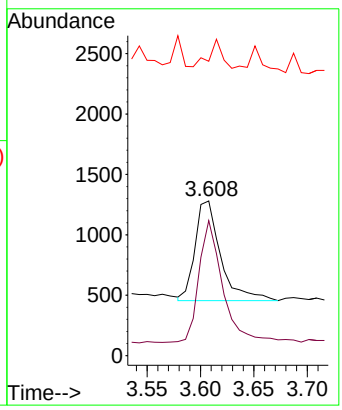


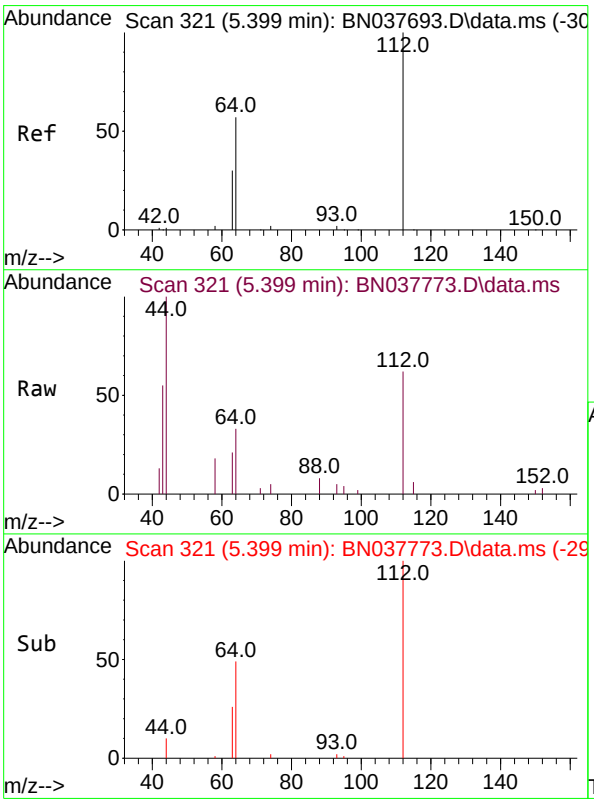
#3
n-Nitrosodimethylamine
Concen: 0.141 ng
RT: 3.608 min Scan# 7
Delta R.T. -0.000 min
Lab File: BN037773.D
Acq: 18 Sep 2025 12:25

Instrument :
BNA_N
ClientSampleId :
RE103D2-20250911MSD

Tgt Ion: 42 Resp: 1372

Ion	Ratio	Lower	Upper
42	100		
74	114.1	86.0	129.0
44	15.3	8.4	12.6#

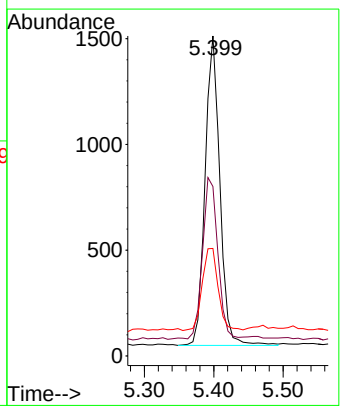


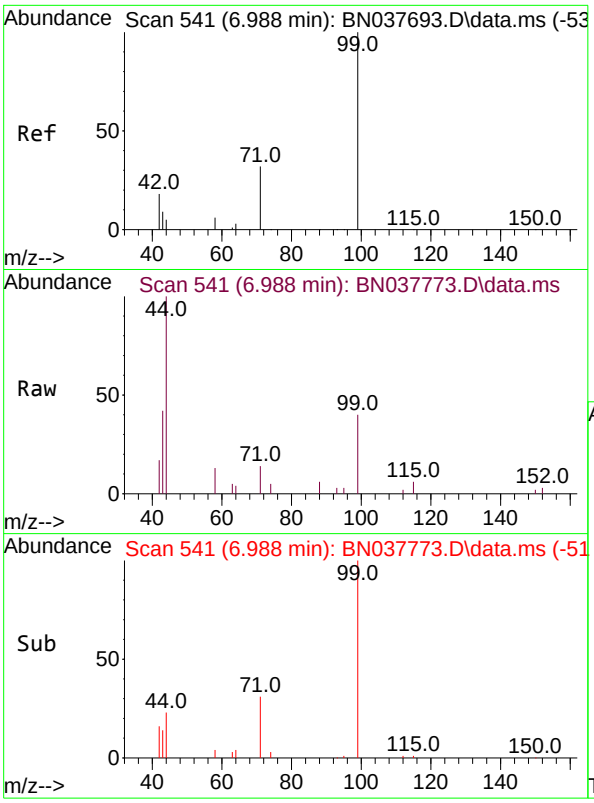


#4
2-Fluorophenol
Concen: 0.132 ng
RT: 5.399 min Scan# 321
Delta R.T. -0.000 min
Lab File: BN037773.D
Acq: 18 Sep 2025 12:25

Tgt Ion:112 Resp: 2162

Ion	Ratio	Lower	Upper
112	100		
64	54.6	44.9	67.3
63	28.6	24.7	37.1



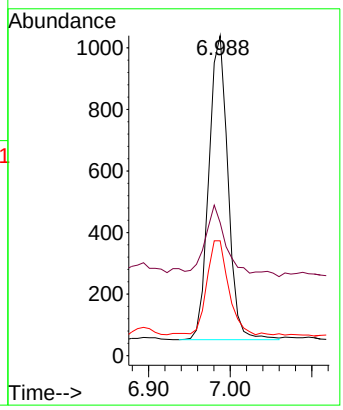


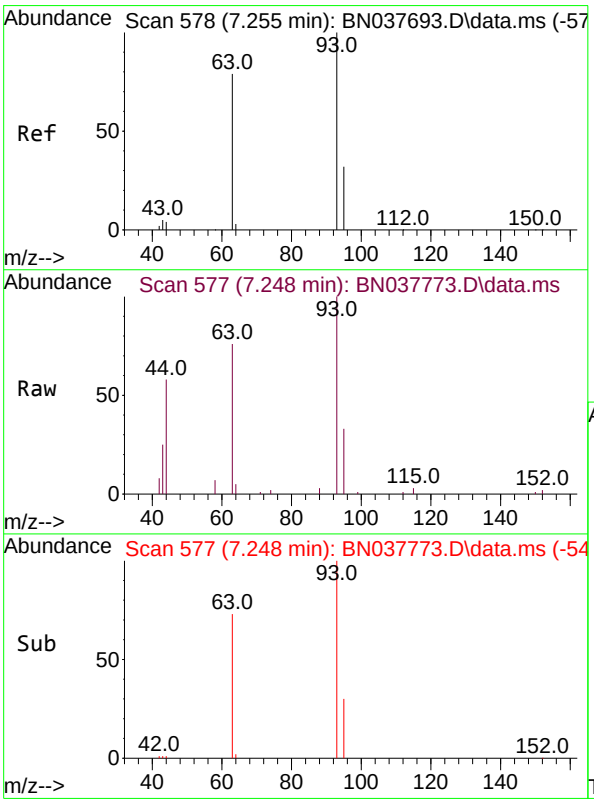
#5
Phenol-d6
Concen: 0.075 ng
RT: 6.988 min Scan# 54
Delta R.T. -0.000 min
Lab File: BN037773.D
Acq: 18 Sep 2025 12:25

Instrument :
BNA_N
ClientSampleId :
RE103D2-20250911MSD

Tgt Ion: 99 Resp: 1603

Ion	Ratio	Lower	Upper
99	100		
42	22.1	16.6	24.8
71	36.1	26.7	40.1

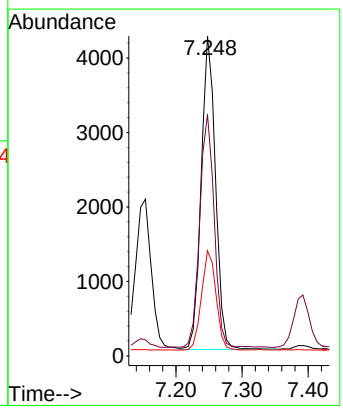


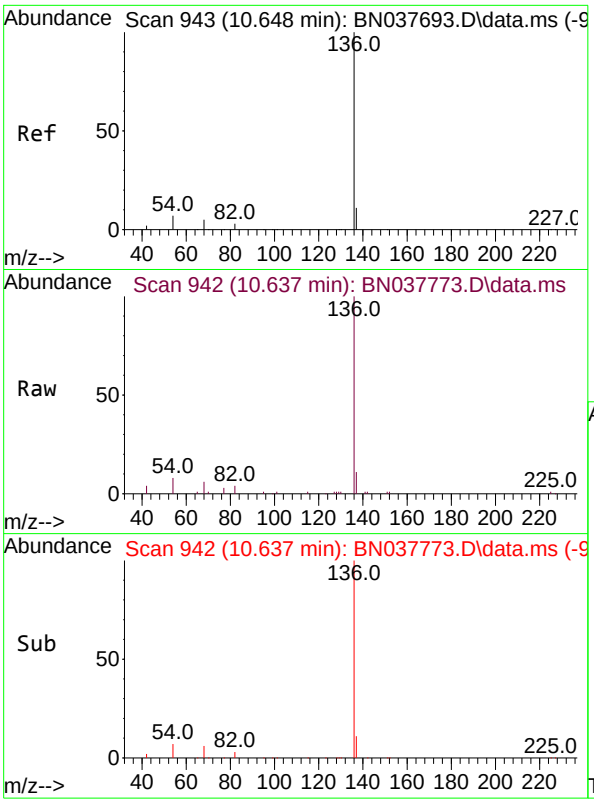


#6
bis(2-Chloroethyl)ether
Concen: 0.332 ng
RT: 7.248 min Scan# 577
Delta R.T. -0.007 min
Lab File: BN037773.D
Acq: 18 Sep 2025 12:25

Tgt Ion: 93 Resp: 6329

Ion	Ratio	Lower	Upper
93	100		
63	75.4	60.6	90.8
95	32.2	26.0	39.0



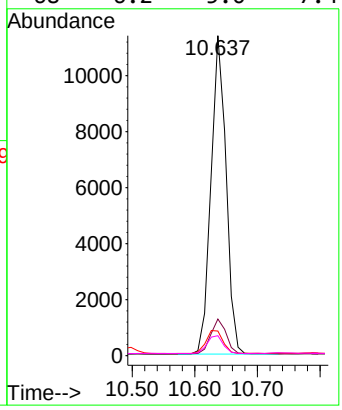


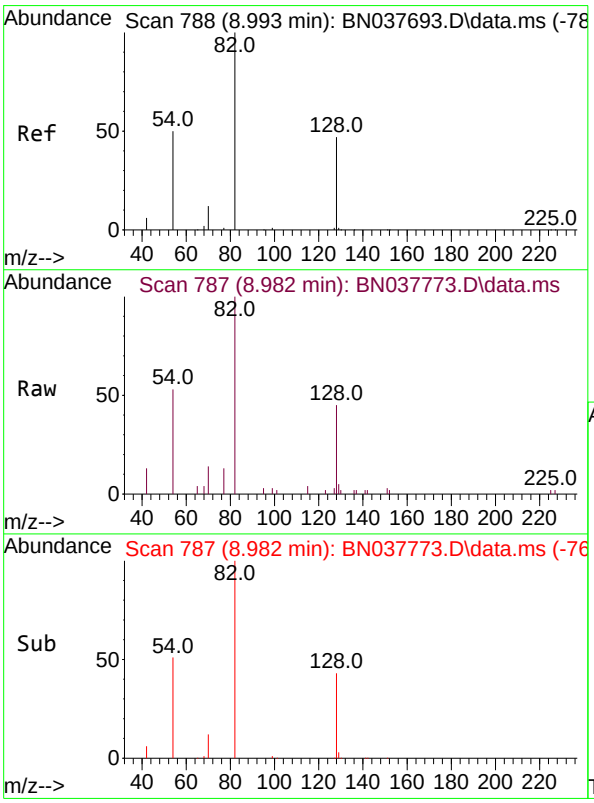
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.637 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037773.D
Acq: 18 Sep 2025 12:25

Instrument :
BNA_N
ClientSampleId :
RE103D2-20250911MSD

Tgt Ion:136 Resp: 19099

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	7.7	6.3	9.5
68	6.2	5.0	7.4

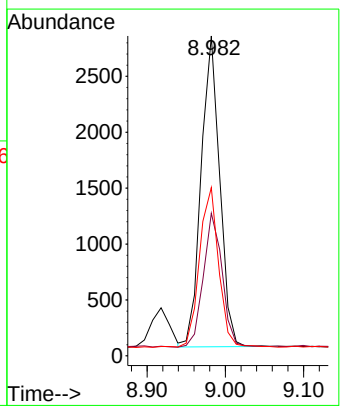


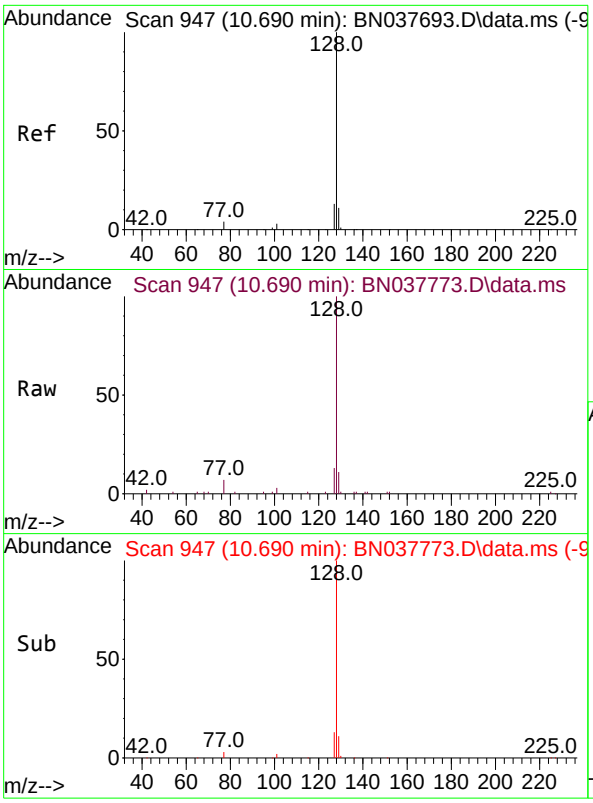


#8
Nitrobenzene-d5
Concen: 0.327 ng
RT: 8.982 min Scan# 787
Delta R.T. -0.011 min
Lab File: BN037773.D
Acq: 18 Sep 2025 12:25

Tgt Ion: 82 Resp: 4572

Ion	Ratio	Lower	Upper
82	100		
128	44.6	38.3	57.5
54	52.6	41.4	62.2



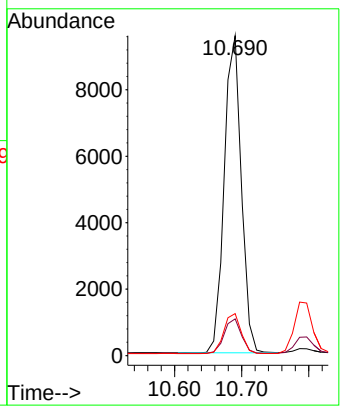


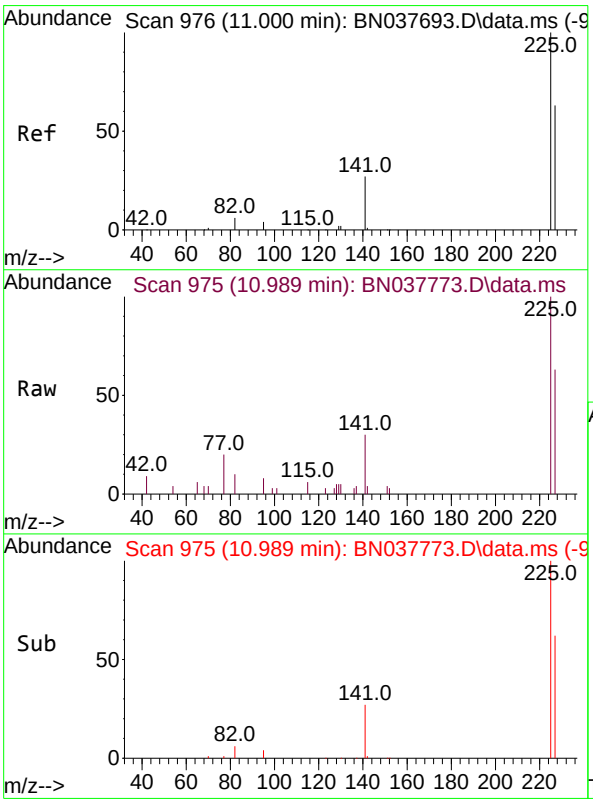
#9
Naphthalene
Concen: 0.322 ng
RT: 10.690 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN037773.D
Acq: 18 Sep 2025 12:25

Instrument :
BNA_N
ClientSampleId :
RE103D2-20250911MSD

Tgt Ion:128 Resp: 16829

Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.1	13.7
127	13.1	10.9	16.3

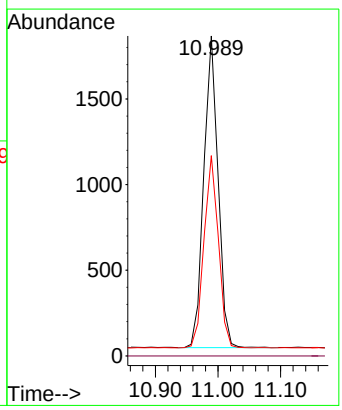


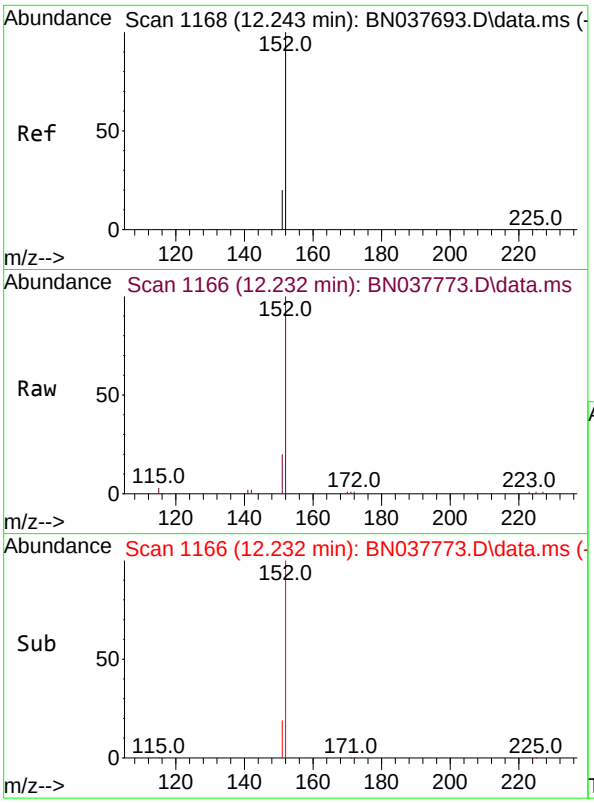


#10
Hexachlorobutadiene
Concen: 0.306 ng
RT: 10.989 min Scan# 975
Delta R.T. -0.011 min
Lab File: BN037773.D
Acq: 18 Sep 2025 12:25

Tgt Ion:225 Resp: 2887

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	62.2	50.9	76.3



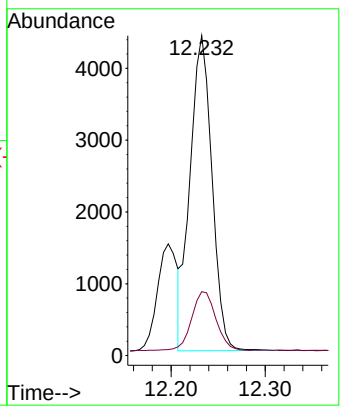


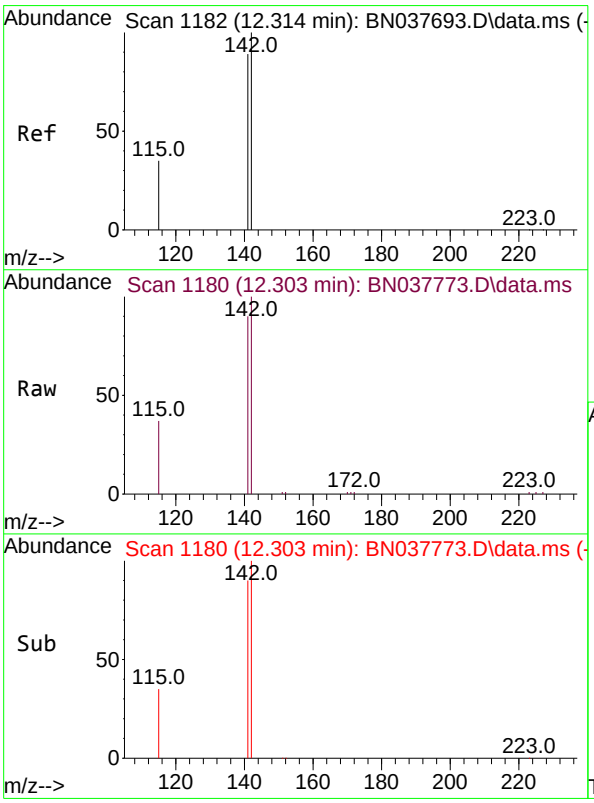
#11
2-Methylnaphthalene-d10
Concen: 0.280 ng
RT: 12.232 min Scan# 11
Delta R.T. -0.010 min
Lab File: BN037773.D
Acq: 18 Sep 2025 12:25

Instrument :
BNA_N
ClientSampleId :
RE103D2-20250911MSD

Tgt Ion:152 Resp: 7086

Ion	Ratio	Lower	Upper
152	100		
151	20.9	17.0	25.6

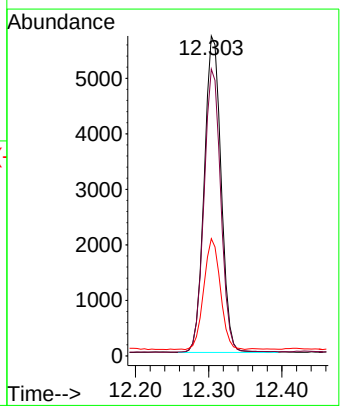


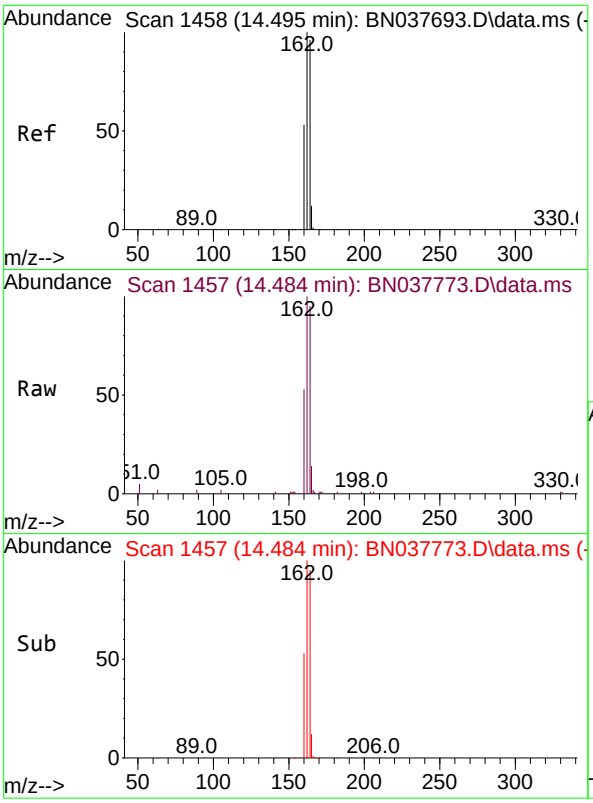


#12
2-Methylnaphthalene
Concen: 0.282 ng
RT: 12.303 min Scan# 1180
Delta R.T. -0.010 min
Lab File: BN037773.D
Acq: 18 Sep 2025 12:25

Tgt Ion:142 Resp: 9108

Ion	Ratio	Lower	Upper
142	100		
141	89.6	71.6	107.4
115	36.6	28.6	43.0



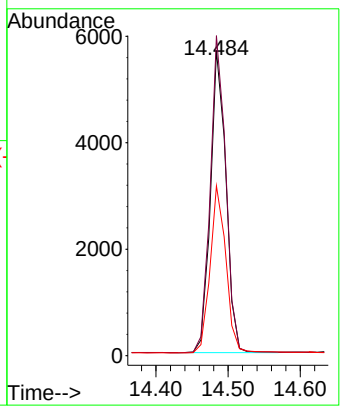


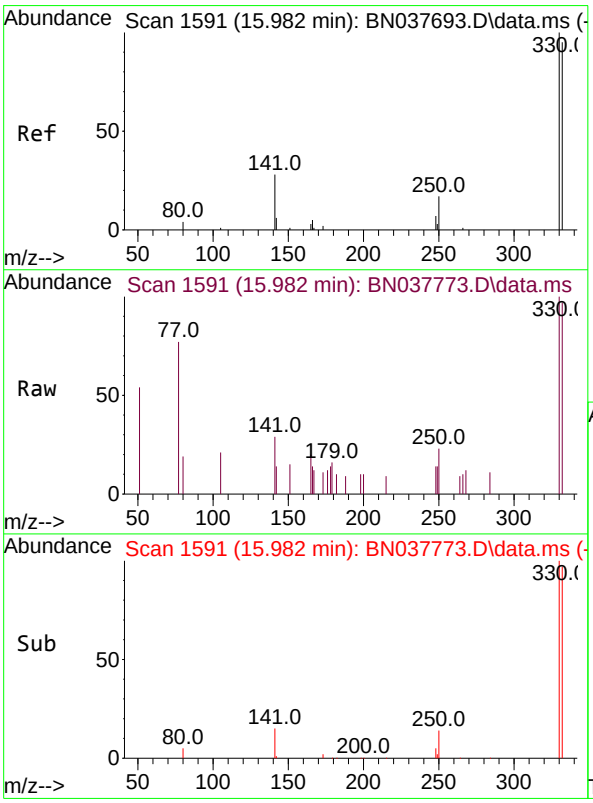
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.484 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN037773.D
Acq: 18 Sep 2025 12:25

Instrument :
BNA_N
ClientSampleId :
RE103D2-20250911MSD

Tgt Ion:164 Resp: 8494

Ion	Ratio	Lower	Upper
164	100		
162	105.0	83.1	124.7
160	55.7	44.3	66.5

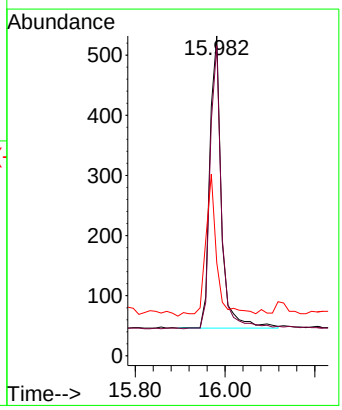


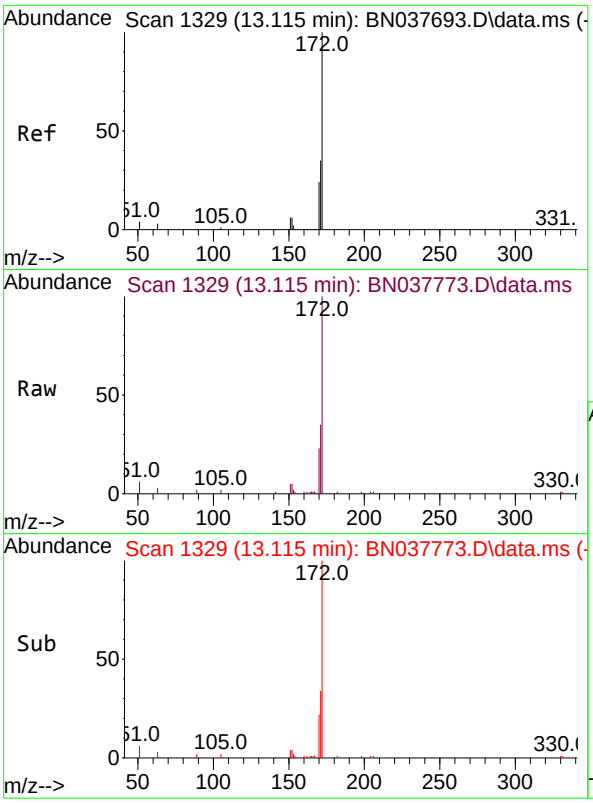


#14
2,4,6-Tribromophenol
Concen: 0.395 ng
RT: 15.982 min Scan# 1591
Delta R.T. -0.000 min
Lab File: BN037773.D
Acq: 18 Sep 2025 12:25

Tgt Ion:330 Resp: 876

Ion	Ratio	Lower	Upper
330	100		
332	95.3	75.3	112.9
141	47.4	35.0	52.4



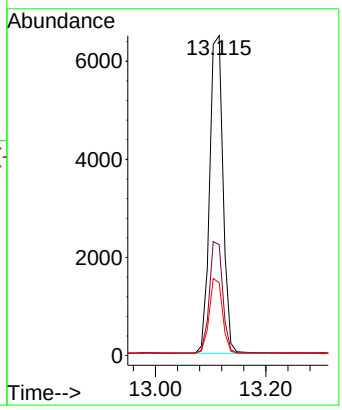


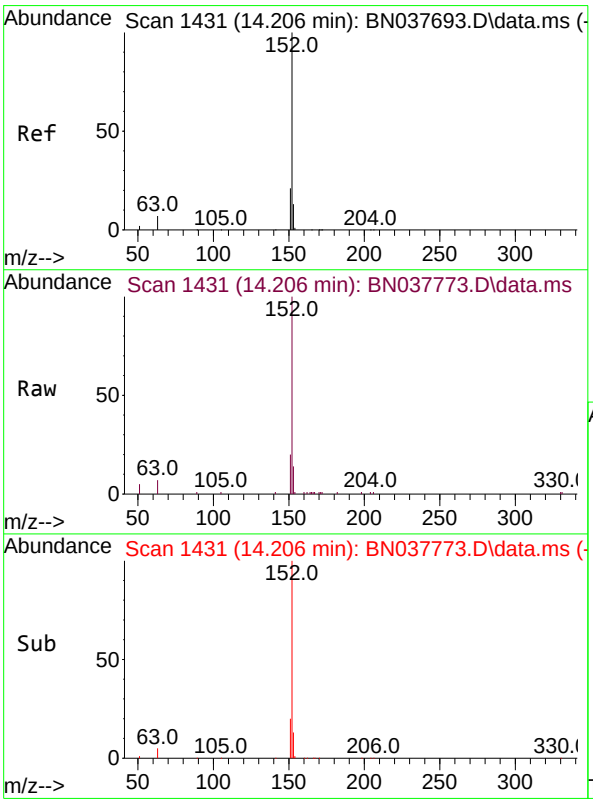
#15
2-Fluorobiphenyl
Concen: 0.306 ng
RT: 13.115 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037773.D
Acq: 18 Sep 2025 12:25

Instrument :
BNA_N
ClientSampleId :
RE103D2-20250911MSD

Tgt Ion:172 Resp: 10884

Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.6	43.0
170	22.8	19.8	29.8

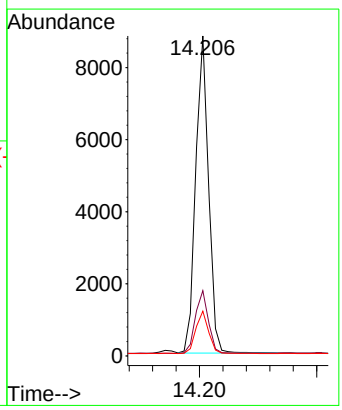


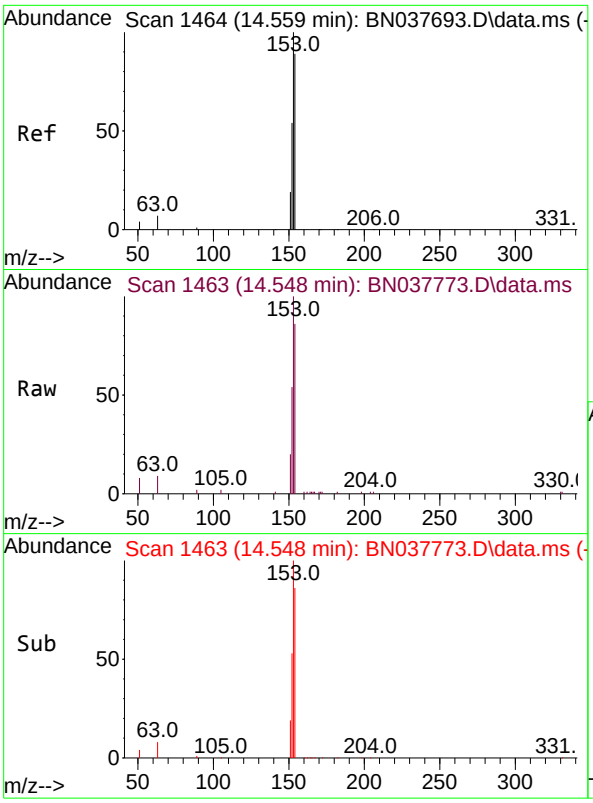


#16
Acenaphthylene
Concen: 0.343 ng
RT: 14.206 min Scan# 1431
Delta R.T. -0.000 min
Lab File: BN037773.D
Acq: 18 Sep 2025 12:25

Tgt Ion:152 Resp: 13370

Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.2	24.2
153	13.3	10.4	15.6



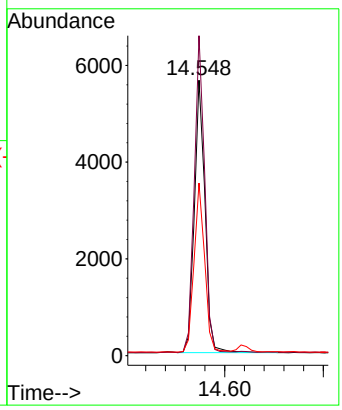


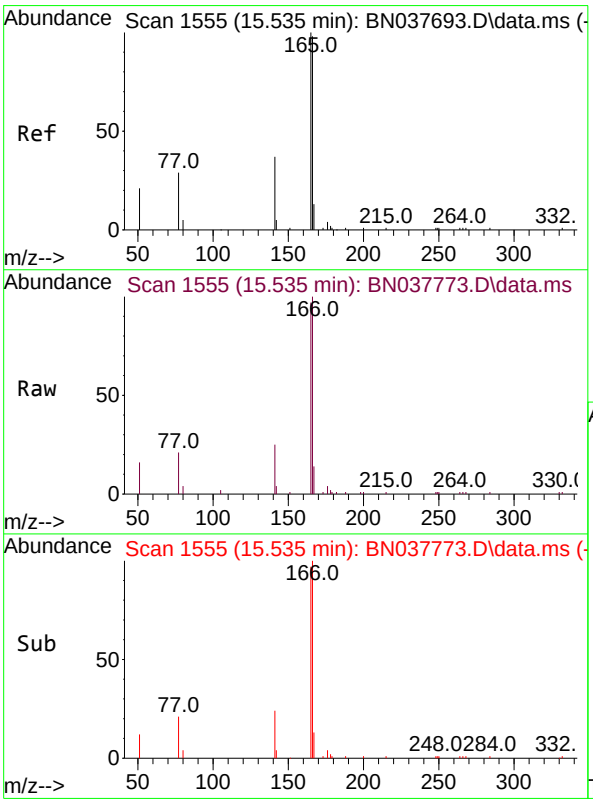
#17
Acenaphthene
Concen: 0.319 ng
RT: 14.548 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN037773.D
Acq: 18 Sep 2025 12:25

Instrument :
BNA_N
ClientSampleId :
RE103D2-20250911MSD

Tgt Ion:154 Resp: 8415

Ion	Ratio	Lower	Upper
154	100		
153	114.0	89.8	134.8
152	62.0	50.2	75.2

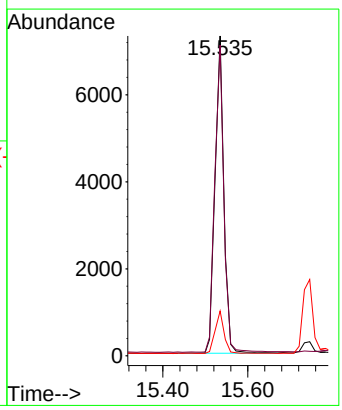


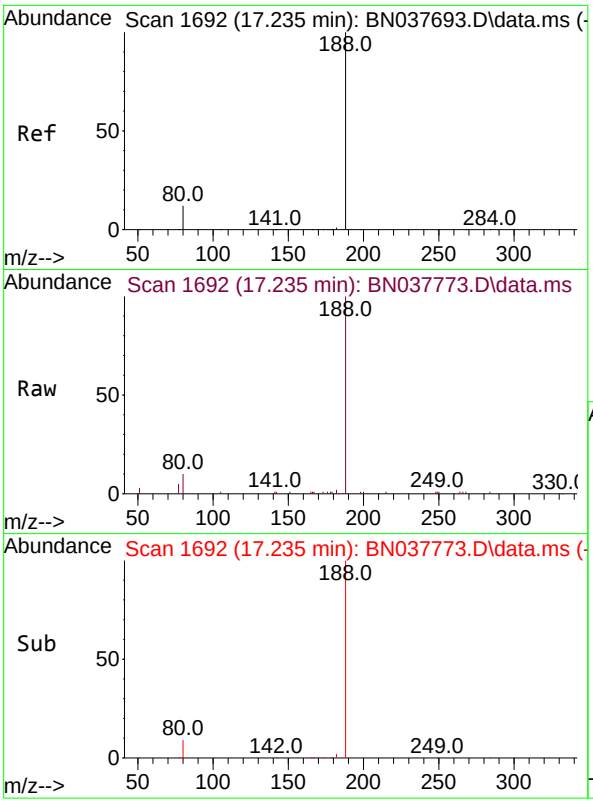


#18
Fluorene
Concen: 0.314 ng
RT: 15.535 min Scan# 1555
Delta R.T. -0.000 min
Lab File: BN037773.D
Acq: 18 Sep 2025 12:25

Tgt Ion:166 Resp: 10028

Ion	Ratio	Lower	Upper
166	100		
165	99.6	79.6	119.4
167	14.0	10.6	16.0



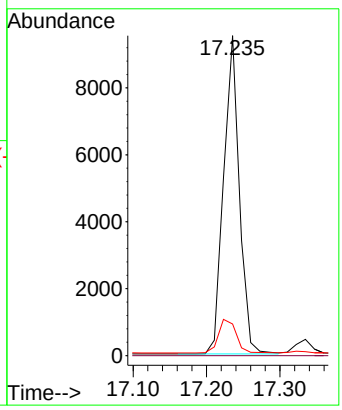


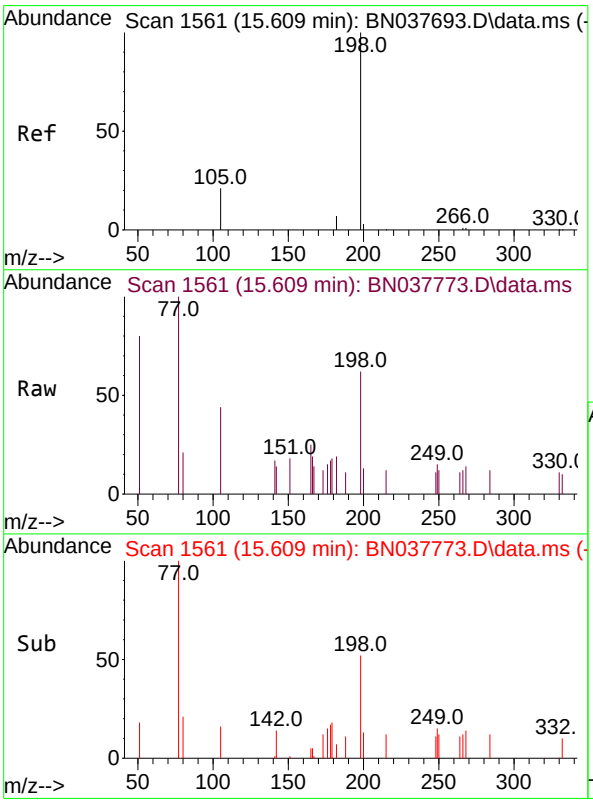
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.235 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037773.D
Acq: 18 Sep 2025 12:25

Instrument :
BNA_N
ClientSampleId :
RE103D2-20250911MSD

Tgt Ion:188 Resp: 14218

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.9	10.6	15.8#

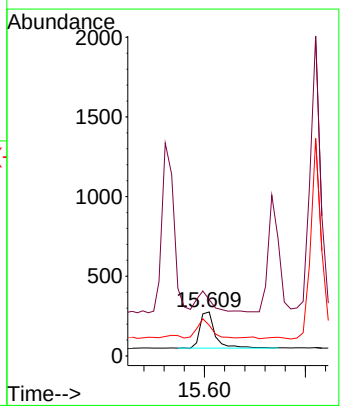


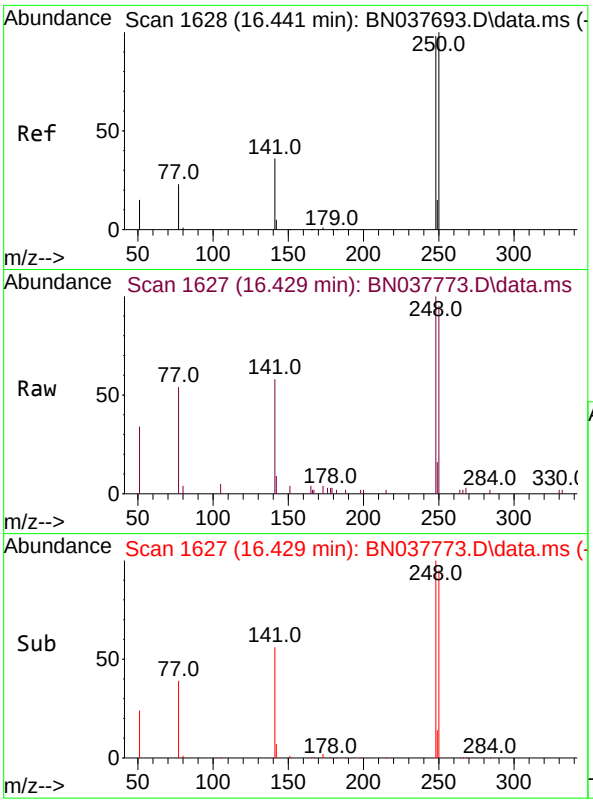


#20
4,6-Dinitro-2-methylphenol
Concen: 0.355 ng
RT: 15.609 min Scan# 1561
Delta R.T. 0.000 min
Lab File: BN037773.D
Acq: 18 Sep 2025 12:25

Tgt Ion:198 Resp: 468

Ion	Ratio	Lower	Upper
198	100		
51	127.9	95.1	142.7
105	69.9	53.8	80.6



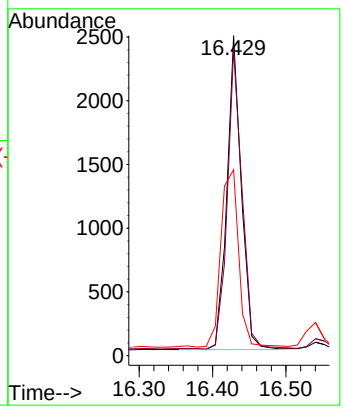


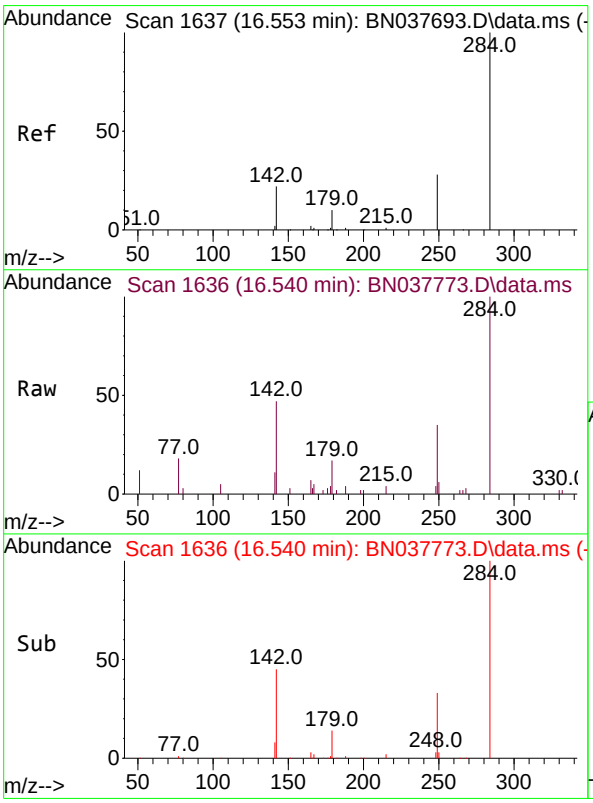
#21
4-Bromophenyl-phenylether
Concen: 0.365 ng
RT: 16.429 min Scan# 1
Delta R.T. -0.013 min
Lab File: BN037773.D
Acq: 18 Sep 2025 12:25

Instrument :
BNA_N
ClientSampleId :
RE103D2-20250911MSD

Tgt Ion:248 Resp: 3385

Ion	Ratio	Lower	Upper
248	100		
250	95.5	81.5	122.3
141	58.1	30.8	46.2#

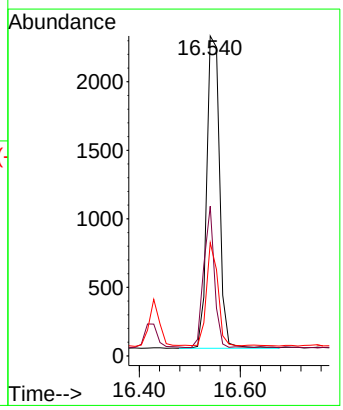


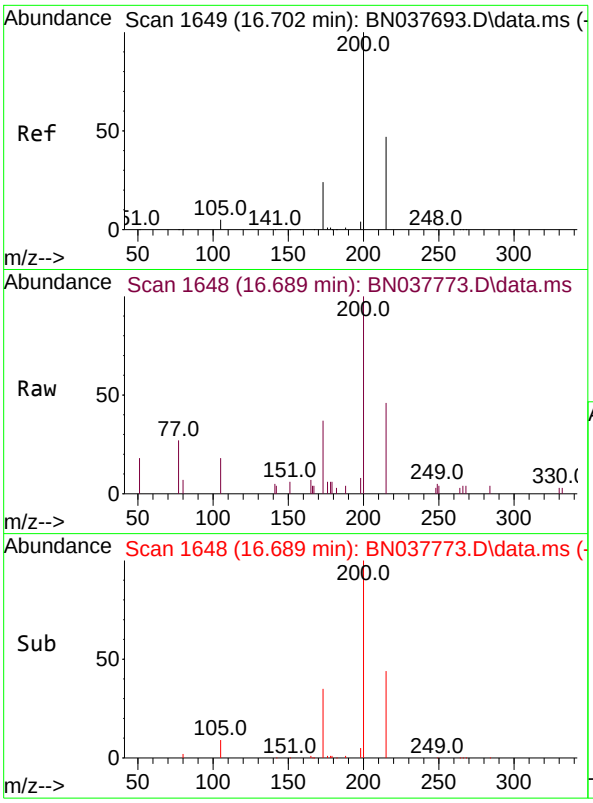


#22
Hexachlorobenzene
Concen: 0.374 ng
RT: 16.540 min Scan# 1636
Delta R.T. -0.013 min
Lab File: BN037773.D
Acq: 18 Sep 2025 12:25

Tgt Ion:284 Resp: 3993

Ion	Ratio	Lower	Upper
284	100		
142	37.8	30.9	46.3
249	29.4	24.8	37.2



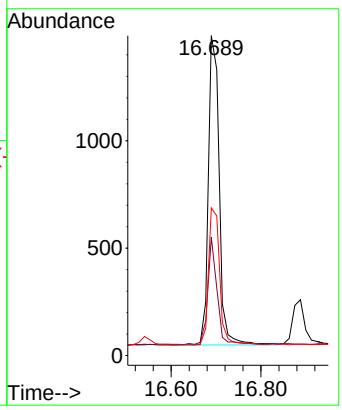


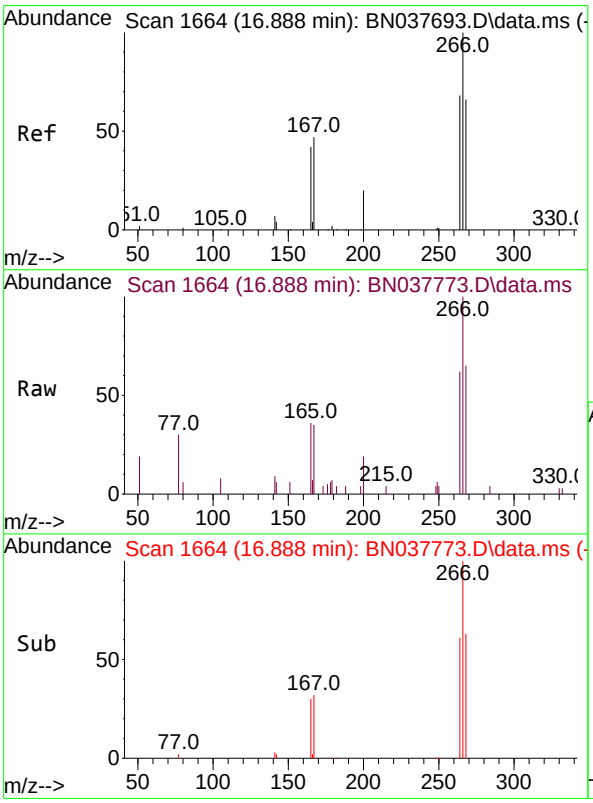
#23
Atrazine
Concen: 0.414 ng
RT: 16.689 min Scan# 1
Delta R.T. -0.013 min
Lab File: BN037773.D
Acq: 18 Sep 2025 12:25

Instrument :
BNA_N
ClientSampleId :
RE103D2-20250911MSD

Tgt Ion:200 Resp: 2440

Ion	Ratio	Lower	Upper
200	100		
173	37.0	21.4	32.2#
215	46.2	39.2	58.8

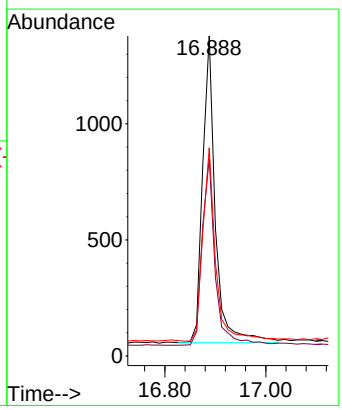


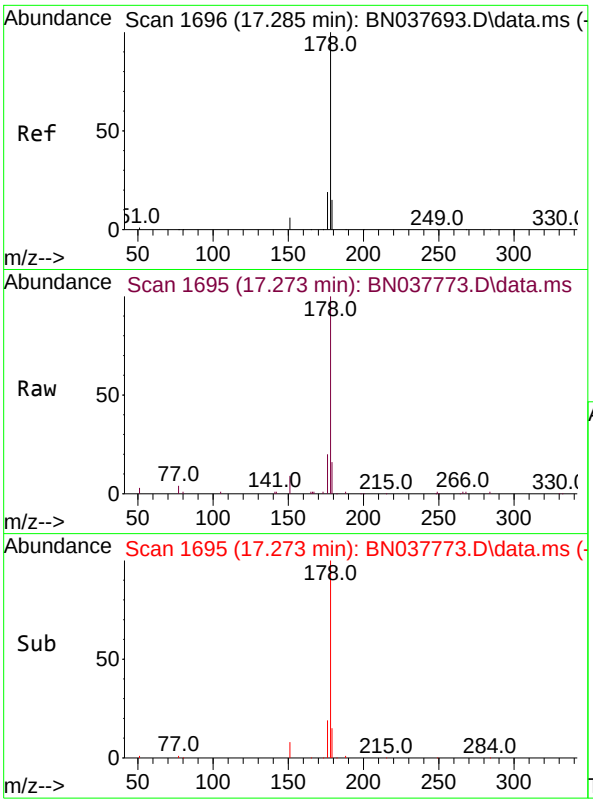


#24
Pentachlorophenol
Concen: 0.744 ng
RT: 16.888 min Scan# 1664
Delta R.T. -0.000 min
Lab File: BN037773.D
Acq: 18 Sep 2025 12:25

Tgt Ion:266 Resp: 2303

Ion	Ratio	Lower	Upper
266	100		
264	62.2	51.6	77.4
268	64.2	53.2	79.8



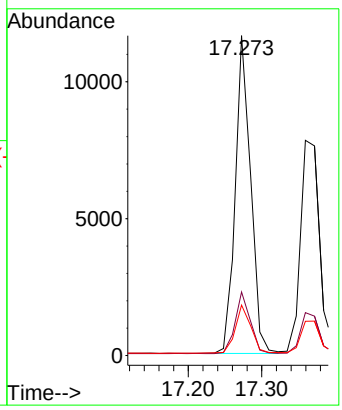


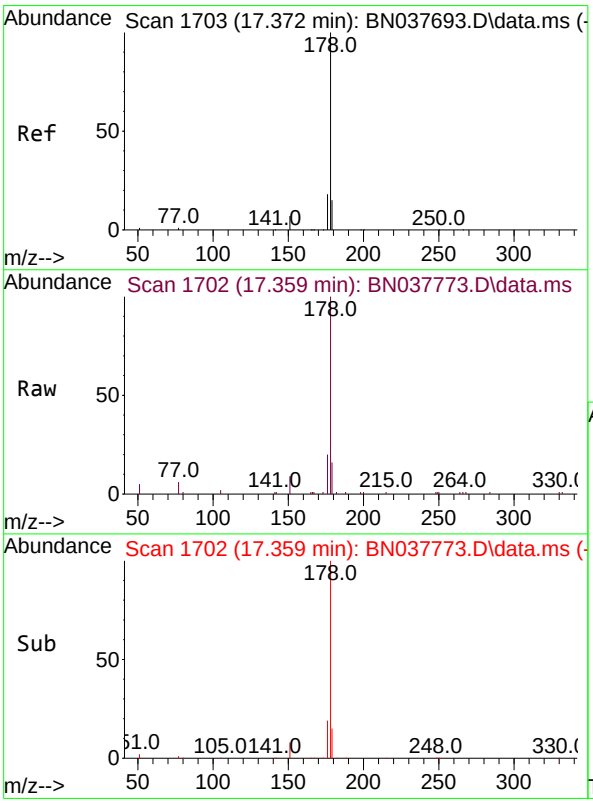
#25
Phenanthrene
Concen: 0.377 ng
RT: 17.273 min Scan# 1
Delta R.T. -0.013 min
Lab File: BN037773.D
Acq: 18 Sep 2025 12:25

Instrument :
BNA_N
ClientSampleId :
RE103D2-20250911MSD

Tgt Ion:178 Resp: 16893

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.3	22.9
179	15.8	12.2	18.2

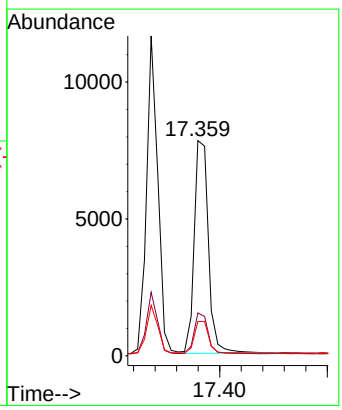


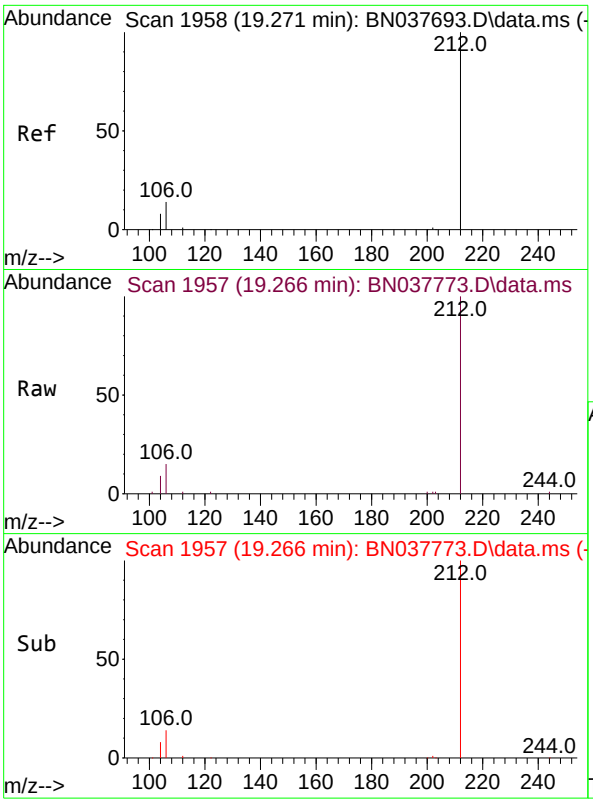


#26
Anthracene
Concen: 0.359 ng
RT: 17.359 min Scan# 1702
Delta R.T. -0.013 min
Lab File: BN037773.D
Acq: 18 Sep 2025 12:25

Tgt Ion:178 Resp: 14220

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.6	22.0
179	15.2	12.2	18.4



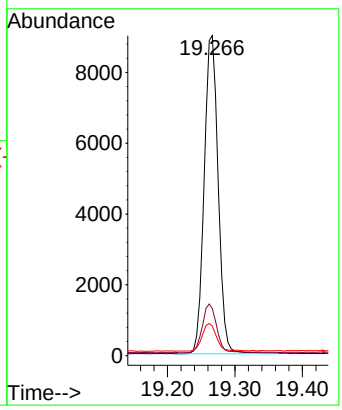


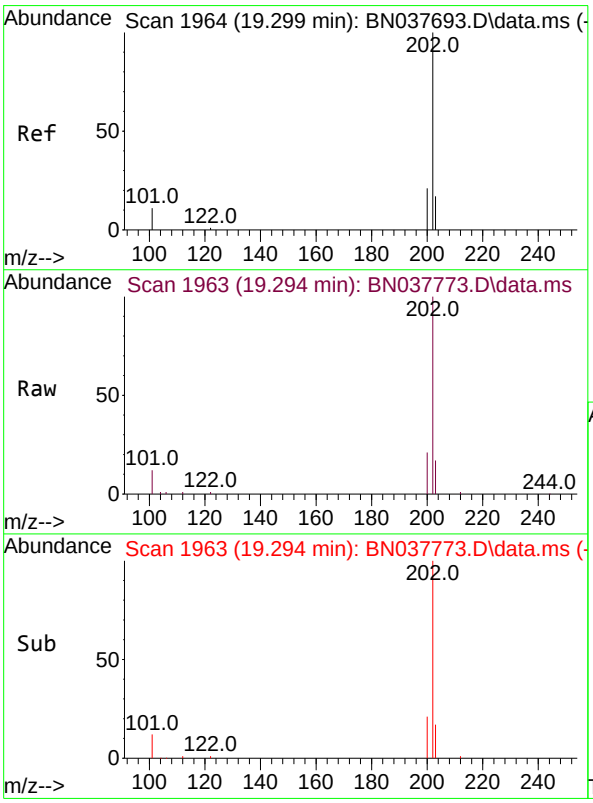
#27
Fluoranthene-d10
Concen: 0.362 ng
RT: 19.266 min Scan# 19
Delta R.T. -0.005 min
Lab File: BN037773.D
Acq: 18 Sep 2025 12:25

Instrument :
BNA_N
ClientSampleId :
RE103D2-20250911MSD

Tgt Ion:212 Resp: 12926

Ion	Ratio	Lower	Upper
212	100		
106	15.8	12.2	18.2
104	8.7	6.9	10.3

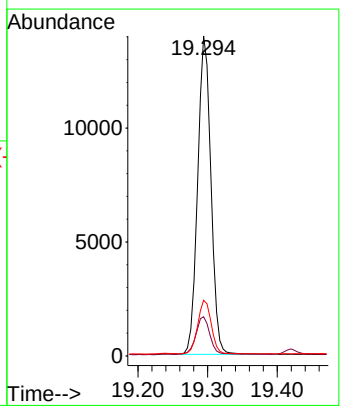


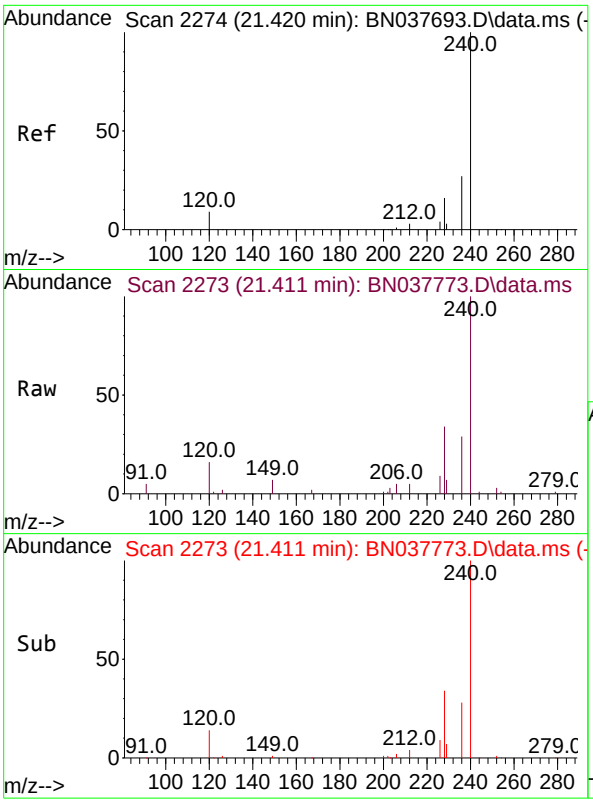


#28
Fluoranthene
Concen: 0.376 ng
RT: 19.294 min Scan# 1963
Delta R.T. -0.005 min
Lab File: BN037773.D
Acq: 18 Sep 2025 12:25

Tgt Ion:202 Resp: 18446

Ion	Ratio	Lower	Upper
202	100		
101	12.3	9.3	13.9
203	17.2	13.7	20.5



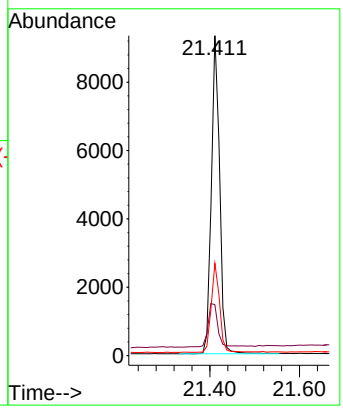


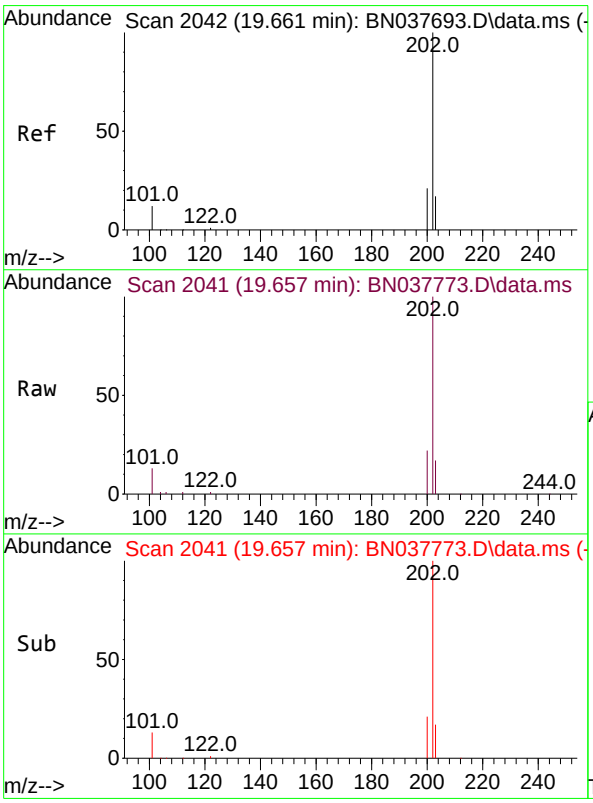
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.411 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN037773.D
Acq: 18 Sep 2025 12:25

Instrument :
BNA_N
ClientSampleId :
RE103D2-20250911MSD

Tgt Ion:240 Resp: 11982

Ion	Ratio	Lower	Upper
240	100		
120	15.9	9.2	13.8#
236	28.8	22.6	33.8

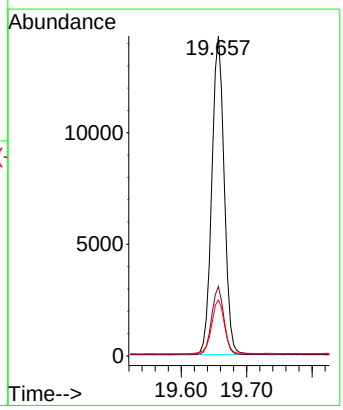


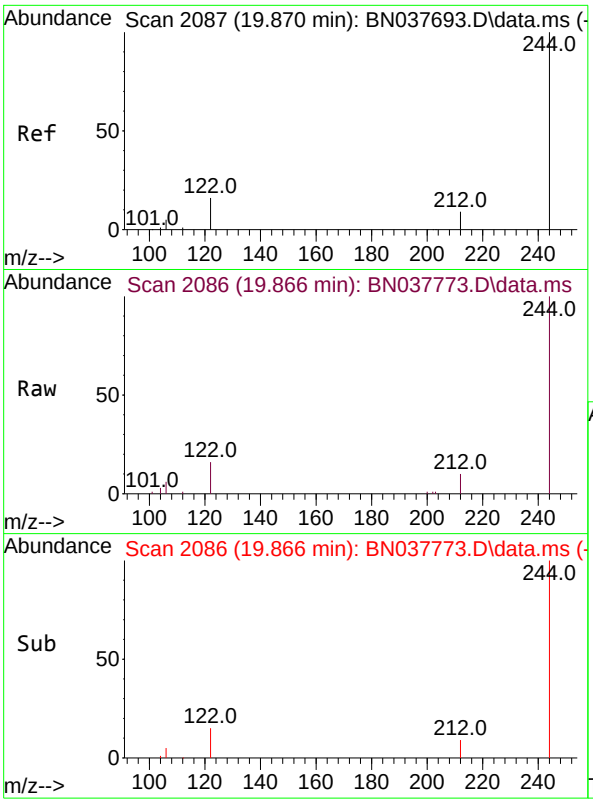


#30
Pyrene
Concen: 0.400 ng
RT: 19.657 min Scan# 2041
Delta R.T. -0.005 min
Lab File: BN037773.D
Acq: 18 Sep 2025 12:25

Tgt Ion:202 Resp: 18763

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.8	25.2
203	17.7	14.3	21.5



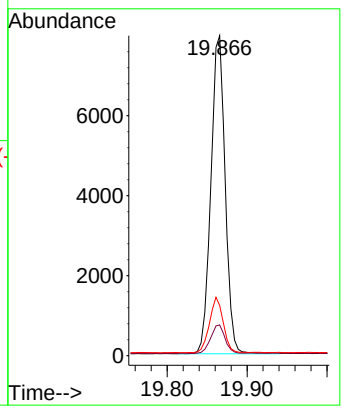


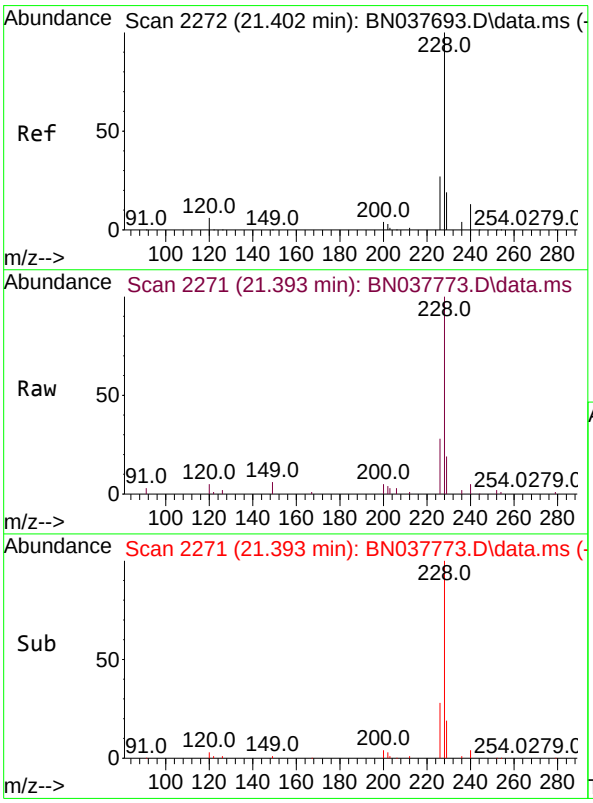
#31
Terphenyl-d14
Concen: 0.406 ng
RT: 19.866 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN037773.D
Acq: 18 Sep 2025 12:25

Instrument :
BNA_N
ClientSampleId :
RE103D2-20250911MSD

Tgt Ion:244 Resp: 9877

Ion	Ratio	Lower	Upper
244	100		
212	9.6	7.5	11.3
122	15.7	13.2	19.8

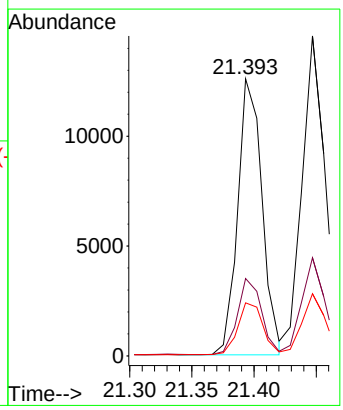


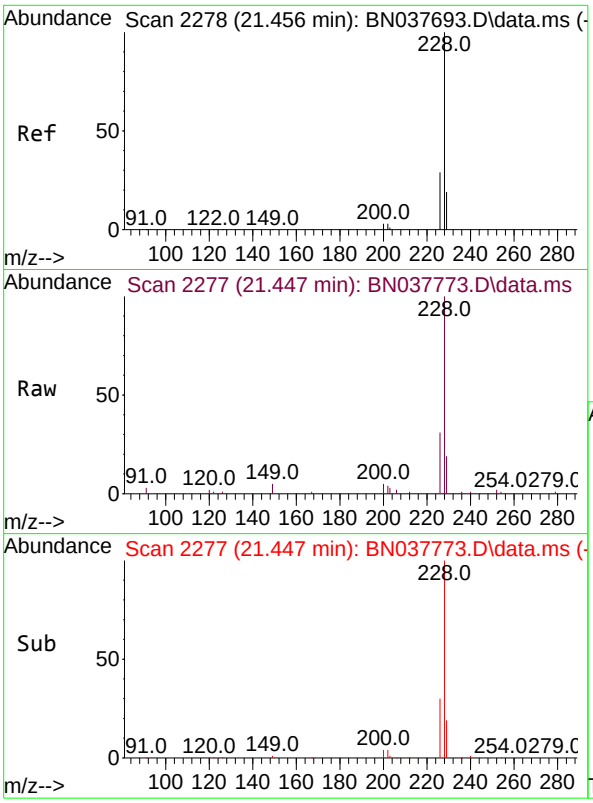


#32
Benzo(a)anthracene
Concen: 0.409 ng
RT: 21.393 min Scan# 2271
Delta R.T. -0.009 min
Lab File: BN037773.D
Acq: 18 Sep 2025 12:25

Tgt Ion:228 Resp: 17097

Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.2	33.2
229	19.2	15.8	23.6



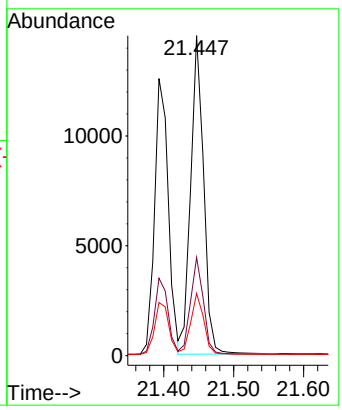


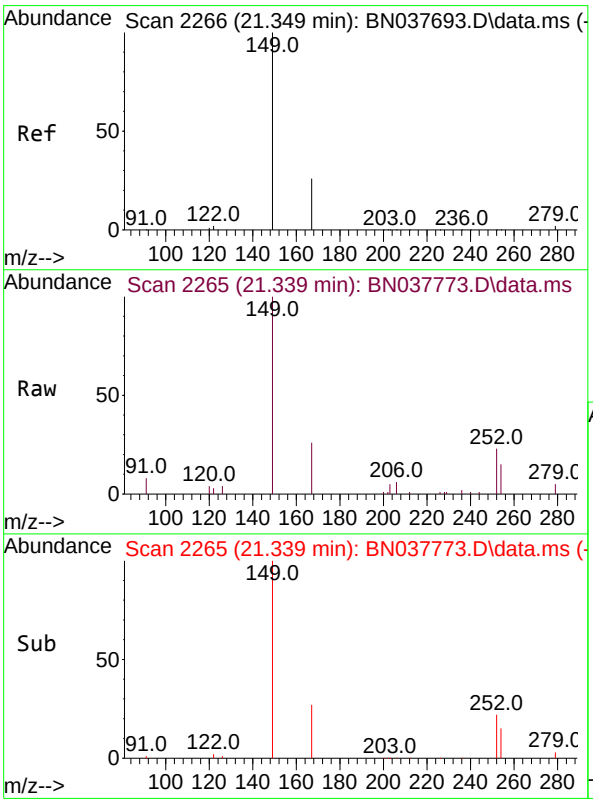
#33
Chrysene
Concen: 0.418 ng
RT: 21.447 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037773.D
Acq: 18 Sep 2025 12:25

Instrument :
BNA_N
ClientSampleId :
RE103D2-20250911MSD

Tgt Ion:228 Resp: 18729

Ion	Ratio	Lower	Upper
228	100		
226	30.7	23.5	35.3
229	19.4	15.9	23.9

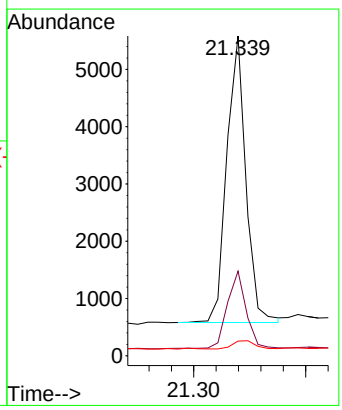


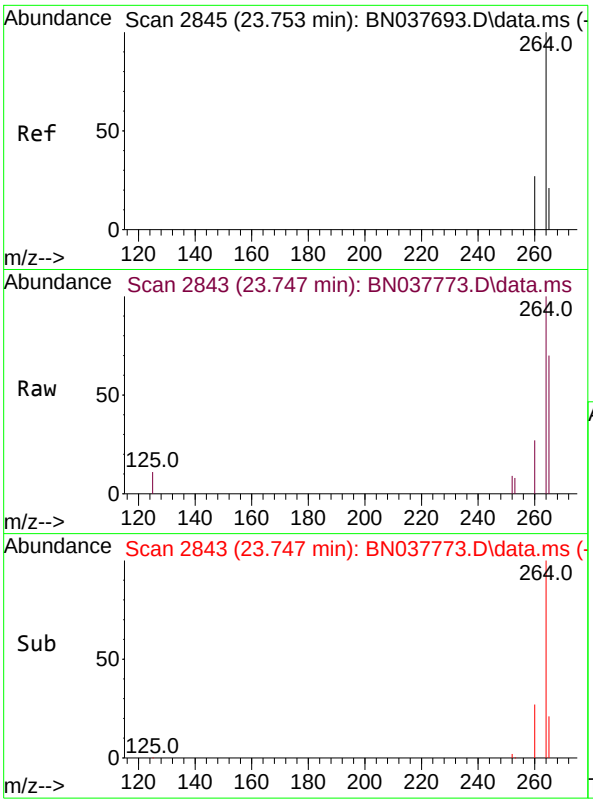


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.477 ng
RT: 21.339 min Scan# 2265
Delta R.T. -0.009 min
Lab File: BN037773.D
Acq: 18 Sep 2025 12:25

Tgt Ion:149 Resp: 5916

Ion	Ratio	Lower	Upper
149	100		
167	26.2	20.8	31.2
279	3.4	3.3	4.9



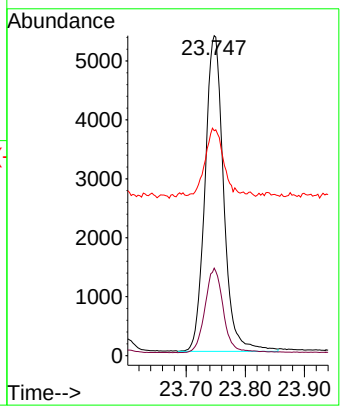


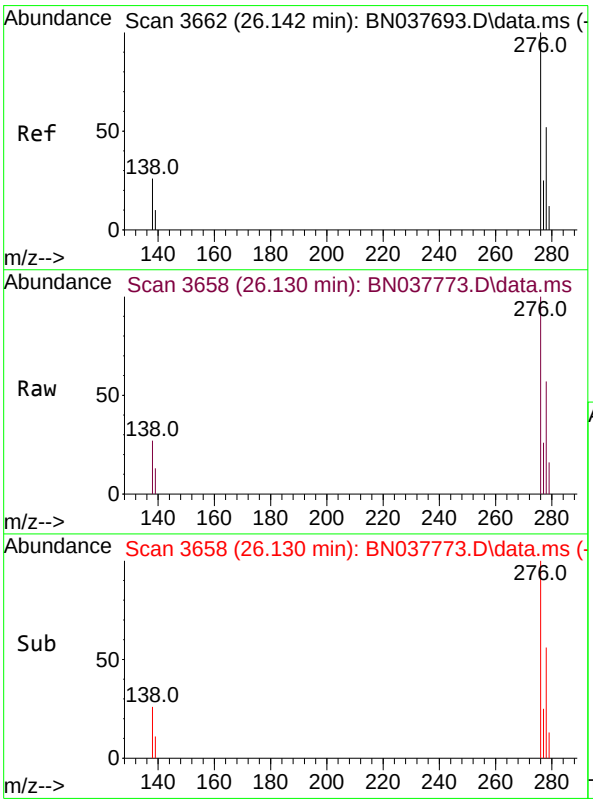
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.747 min Scan# 28
Delta R.T. -0.006 min
Lab File: BN037773.D
Acq: 18 Sep 2025 12:25

Instrument :
BNA_N
ClientSampleId :
RE103D2-20250911MSD

Tgt Ion:264 Resp: 11726

Ion	Ratio	Lower	Upper
264	100		
260	27.3	21.8	32.8
265	70.3	39.4	59.2#

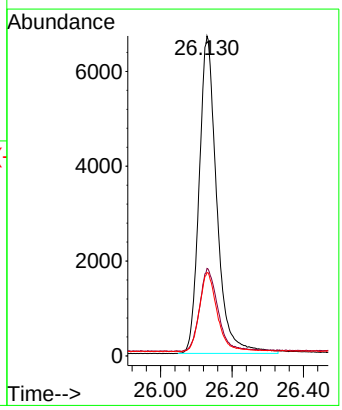


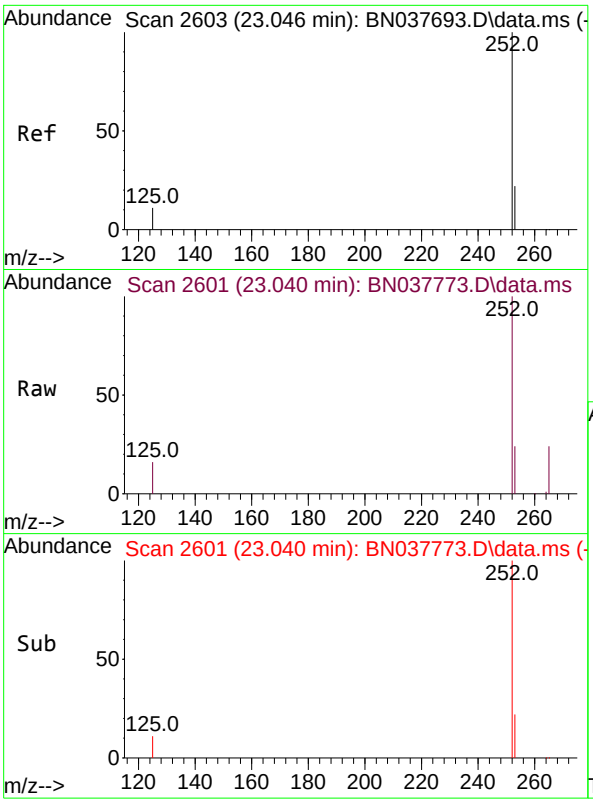


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.465 ng
RT: 26.130 min Scan# 3658
Delta R.T. -0.012 min
Lab File: BN037773.D
Acq: 18 Sep 2025 12:25

Tgt Ion:276 Resp: 22920

Ion	Ratio	Lower	Upper
276	100		
138	26.8	21.9	32.9
277	25.2	20.1	30.1



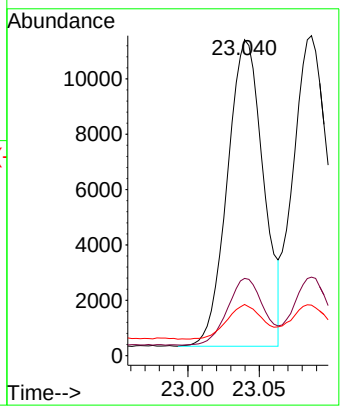


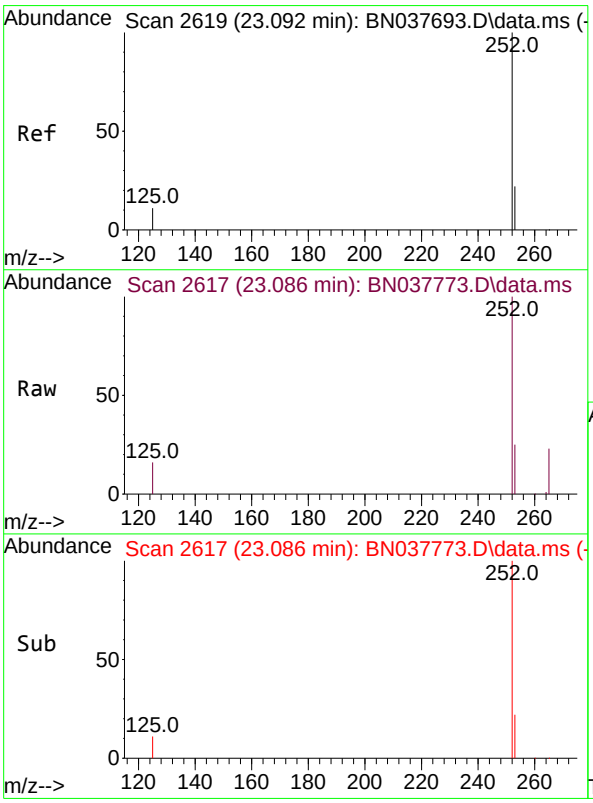
#37
Benzo(b)fluoranthene
Concen: 0.420 ng
RT: 23.040 min Scan# 2
Delta R.T. -0.006 min
Lab File: BN037773.D
Acq: 18 Sep 2025 12:25

Instrument :
BNA_N
ClientSampleId :
RE103D2-20250911MSD

Tgt Ion:252 Resp: 19407

Ion	Ratio	Lower	Upper
252	100		
253	24.4	19.4	29.2
125	16.2	11.2	16.8

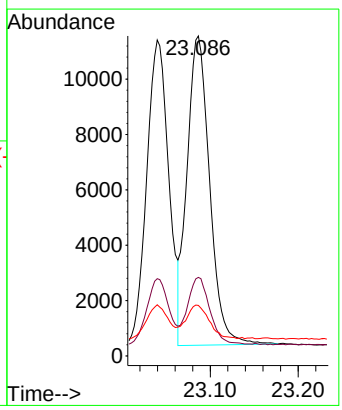


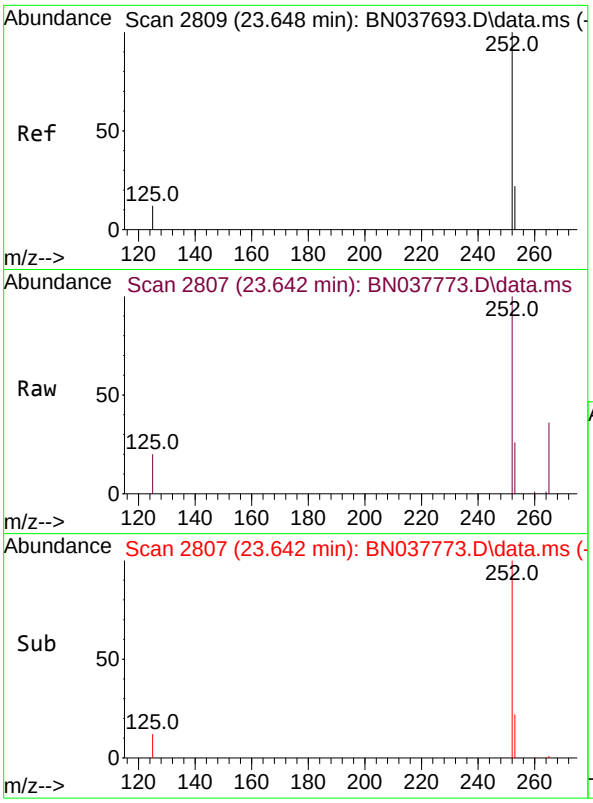


#38
Benzo(k)fluoranthene
Concen: 0.424 ng
RT: 23.086 min Scan# 2617
Delta R.T. -0.006 min
Lab File: BN037773.D
Acq: 18 Sep 2025 12:25

Tgt Ion:252 Resp: 19956

Ion	Ratio	Lower	Upper
252	100		
253	24.5	19.4	29.0
125	15.8	11.6	17.4



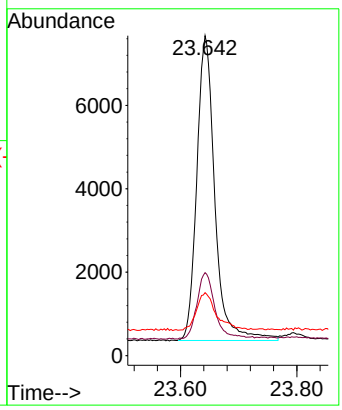


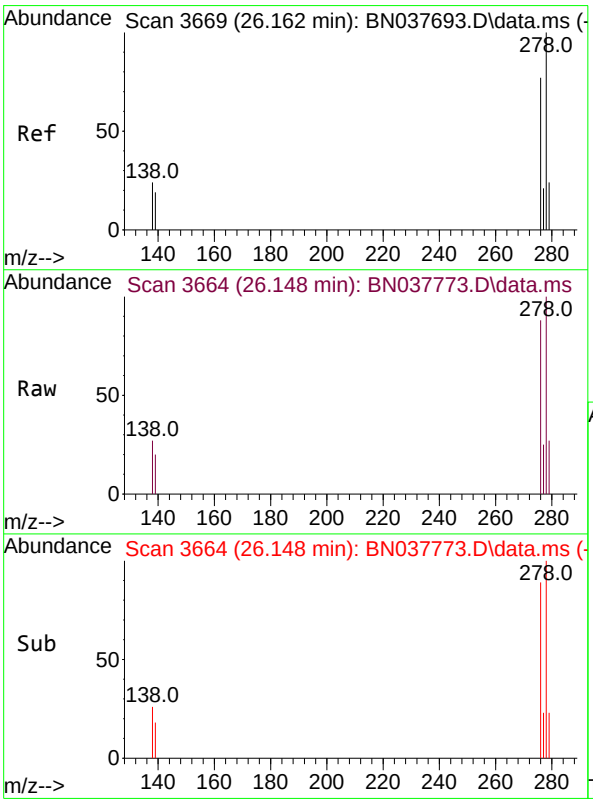
#39
Benzo(a)pyrene
Concen: 0.426 ng
RT: 23.642 min Scan# 28
Delta R.T. -0.006 min
Lab File: BN037773.D
Acq: 18 Sep 2025 12:25

Instrument :
BNA_N
ClientSampleId :
RE103D2-20250911MSD

Tgt Ion:252 Resp: 15734

Ion	Ratio	Lower	Upper
252	100		
253	25.9	20.8	31.2
125	19.7	13.9	20.9

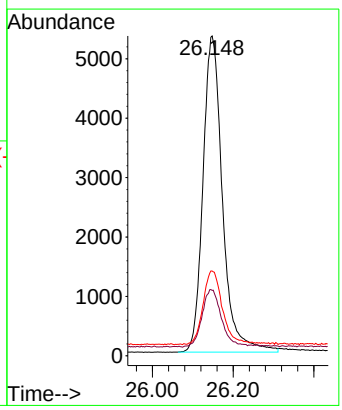


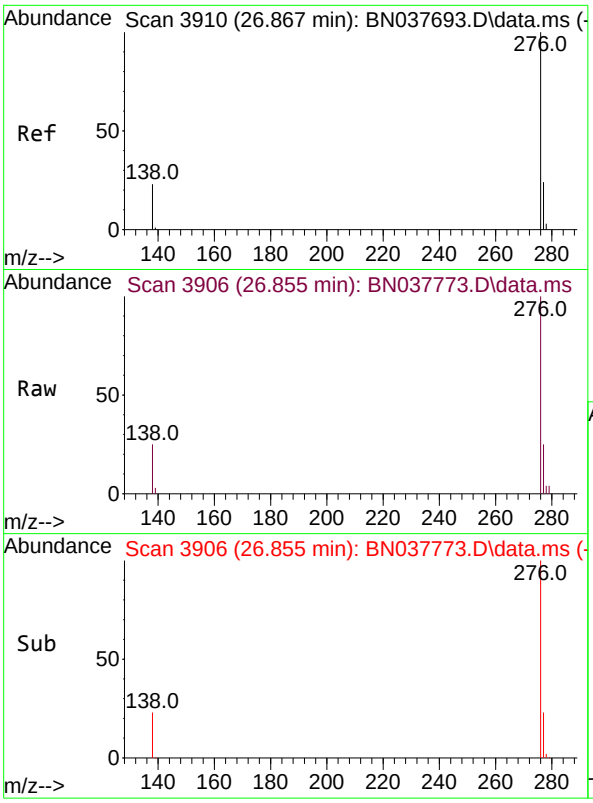


#40
Dibenzo(a,h)anthracene
Concen: 0.455 ng
RT: 26.148 min Scan# 3664
Delta R.T. -0.015 min
Lab File: BN037773.D
Acq: 18 Sep 2025 12:25

Tgt Ion:278 Resp: 17896

Ion	Ratio	Lower	Upper
278	100		
139	20.5	17.8	26.6
279	26.5	22.0	33.0



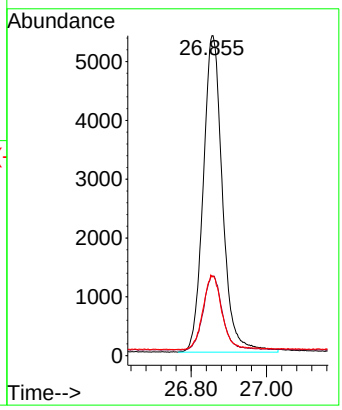


#41
Benzo(g,h,i)perylene
Concen: 0.433 ng
RT: 26.855 min Scan# 3
Delta R.T. -0.012 min
Lab File: BN037773.D
Acq: 18 Sep 2025 12:25

Instrument :
BNA_N
ClientSampleId :
RE103D2-20250911MSD

Tgt Ion:276 Resp: 19134

Ion	Ratio	Lower	Upper
276	100		
277	24.9	20.6	31.0
138	24.5	20.2	30.2



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Manual Integration Report

Sequence:	BN091125	Instrument	BNA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC0.2	BN037692.D	Benzo(k)fluoranthene	Rahul	9/12/2025 8:44:30 AM	Jagrut	9/12/2025 11:51:26 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BN091725	Instrument	BNA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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Manual Integration Report

Sequence:	BN091825	Instrument	BNA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB169693BS	BN037792.D	Benzo(k)fluoranthene	Rahul	9/19/2025 8:46:42 AM	mohammad	9/23/2025 2:07:38 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BN091925	Instrument	BNA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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Fax : 908 789 8922

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN091125

Review By	Rahul	Review On	9/12/2025 10:21:18 AM		
Supervise By	Jagrut	Supervise On	9/12/2025 11:52:20 AM		
SubDirectory	BN091125	HP Acquire Method	BNA_N, 8270_SIM	HP Processing Method	bn091125

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6842,SP6843,SP6844,SP6845,SP6846,SP6847,SP6848
CCC	SP6846
Internal Standard/PEM	SP6830,1ul/100ul sample
ICV/I.BLK	SP6854
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BN037689.D	11 Sep 2025 07:54	RC/JU	Ok
2	SSTDCCC0.4	BN037690.D	11 Sep 2025 09:20	RC/JU	Ok
3	SSTDICC0.1	BN037691.D	11 Sep 2025 09:56	RC/JU	Ok
4	SSTDICC0.2	BN037692.D	11 Sep 2025 10:32	RC/JU	Ok,M
5	SSTDICCC0.4	BN037693.D	11 Sep 2025 11:08	RC/JU	Ok
6	SSTDICC0.8	BN037694.D	11 Sep 2025 11:44	RC/JU	Ok
7	SSTDICC1.6	BN037695.D	11 Sep 2025 12:20	RC/JU	Ok
8	SSTDICC3.2	BN037696.D	11 Sep 2025 12:56	RC/JU	Ok
9	SSTDICC5.0	BN037697.D	11 Sep 2025 13:33	RC/JU	Ok
10	SSTDICV0.4	BN037698.D	11 Sep 2025 14:09	RC/JU	Ok
11	PB169529BL	BN037699.D	11 Sep 2025 14:45	RC/JU	Ok
12	Q2893-03	BN037700.D	11 Sep 2025 15:21	RC/JU	Ok
13	Q2893-03	BN037701.D	11 Sep 2025 15:58	RC/JU	Ok
14	Q2893-09	BN037702.D	11 Sep 2025 16:34	RC/JU	Ok
15	Q2893-09	BN037703.D	11 Sep 2025 17:10	RC/JU	Ok
16	PB169527BL	BN037704.D	11 Sep 2025 17:47	RC/JU	Ok
17	SSTDCCC0.4	BN037705.D	11 Sep 2025 18:23	RC/JU	Ok

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN091725

Review By	Rahul	Review On	9/18/2025 2:11:37 PM		
Supervise By	Jagrut	Supervise On	9/18/2025 5:21:45 PM		
SubDirectory	BN091725	HP Acquire Method	BNA_N, 8270_SIM	HP Processing Method	bn091125

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6842,SP6843,SP6844,SP6845,SP6846,SP6847,SP6848
CCC	SP6846
Internal Standard/PEM	SP6830,1ul/100ul sample
ICV/I.BLK	SP6854
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BN037739.D	17 Sep 2025 10:46	RC/JU	Ok
2	SSTDCCC0.4	BN037740.D	17 Sep 2025 11:25	RC/JU	Ok
3	PB169692BL	BN037741.D	17 Sep 2025 12:02	RC/JU	Ok
4	Q3095-05	BN037742.D	17 Sep 2025 12:38	RC/JU	Ok
5	Q3095-06MS	BN037743.D	17 Sep 2025 13:14	RC/JU	Ok
6	Q3095-07MSD	BN037744.D	17 Sep 2025 13:59	RC/JU	Ok
7	Q3086-01	BN037745.D	17 Sep 2025 14:35	RC/JU	Ok
8	Q3086-02	BN037746.D	17 Sep 2025 15:11	RC/JU	Ok
9	Q3095-01	BN037747.D	17 Sep 2025 15:47	RC/JU	Ok
10	Q3095-02	BN037748.D	17 Sep 2025 16:24	RC/JU	Ok
11	Q3095-03	BN037749.D	17 Sep 2025 17:00	RC/JU	Dilution
12	Q3095-04	BN037750.D	17 Sep 2025 17:36	RC/JU	Ok
13	Q3095-08	BN037751.D	17 Sep 2025 18:13	RC/JU	Ok
14	Q3095-09	BN037752.D	17 Sep 2025 18:49	RC/JU	Ok
15	Q3095-10	BN037753.D	17 Sep 2025 19:25	RC/JU	Ok
16	Q3095-11	BN037754.D	17 Sep 2025 20:01	RC/JU	Ok
17	Q3095-13	BN037755.D	17 Sep 2025 20:37	RC/JU	Ok
18	SP6870	BN037756.D	17 Sep 2025 21:13	RC/JU	Ok
19	SSTDCCC0.4	BN037757.D	17 Sep 2025 21:50	RC/JU	Ok
20	DFTPP	BN037758.D	18 Sep 2025 02:06	RC/JU	Ok
21	SSTDCCC0.4	BN037759.D	18 Sep 2025 02:46	RC/JU	Ok

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Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN091725

Review By	Rahul	Review On	9/18/2025 2:11:37 PM		
Supervise By	Jagrut	Supervise On	9/18/2025 5:21:45 PM		
SubDirectory	BN091725	HP Acquire Method	BNA_N, 8270_SIM	HP Processing Method	bn091125

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6842,SP6843,SP6844,SP6845,SP6846,SP6847,SP6848
CCC	SP6846
Internal Standard/PEM	SP6830,1ul/100ul sample
ICV/I.BLK	SP6854
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	PB169692BL	BN037760.D	18 Sep 2025 03:22	RC/JU	Ok
23	Q3095-12	BN037761.D	18 Sep 2025 03:58	RC/JU	Ok
24	Q3095-14	BN037762.D	18 Sep 2025 04:34	RC/JU	Ok
25	Q3095-15	BN037763.D	18 Sep 2025 05:10	RC/JU	Ok
26	Q3095-16	BN037764.D	18 Sep 2025 05:46	RC/JU	Ok
27	Q3095-17	BN037765.D	18 Sep 2025 06:23	RC/JU	Ok
28	Q3095-18	BN037766.D	18 Sep 2025 06:59	RC/JU	Ok
29	Q3095-19	BN037767.D	18 Sep 2025 07:35	RC/JU	Ok
30	Q3095-20	BN037768.D	18 Sep 2025 08:11	RC/JU	Ok
31	Q3097-07	BN037769.D	18 Sep 2025 08:47	RC/JU	Ok
32	Q3097-08	BN037770.D	18 Sep 2025 09:23	RC/JU	Dilution
33	Q3097-01	BN037771.D	18 Sep 2025 10:00	RC/JU	Ok
34	Q3097-02MS	BN037772.D	18 Sep 2025 11:48	RC/JU	Ok
35	Q3097-03MSD	BN037773.D	18 Sep 2025 12:25	RC/JU	Ok
36	SSTDCCC0.4	BN037774.D	18 Sep 2025 13:16	RC/JU	Ok

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN091825

Review By	Rahul	Review On	9/19/2025 8:50:16 AM		
Supervise By	mohammad	Supervise On	9/23/2025 2:07:38 AM		
SubDirectory	BN091825	HP Acquire Method	BNA_N, 8270_SIM	HP Processing Method	bn091125

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6842,SP6843,SP6844,SP6845,SP6846,SP6847,SP6848
CCC	SP6846
Internal Standard/PEM	SP6830,1ul/100ul sample
ICV/I.BLK	SP6854
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BN037775.D	18 Sep 2025 13:53	RC/JU	Ok
2	SSTDCCC0.4	BN037776.D	18 Sep 2025 14:32	RC/JU	Ok
3	PB169693BL	BN037777.D	18 Sep 2025 15:10	RC/JU	Ok
4	Q3097-09	BN037778.D	18 Sep 2025 15:47	RC/JU	Ok
5	Q3097-04	BN037779.D	18 Sep 2025 16:23	RC/JU	Ok
6	Q3097-05	BN037780.D	18 Sep 2025 17:00	RC/JU	Ok
7	Q3097-06	BN037781.D	18 Sep 2025 17:36	RC/JU	Ok
8	Q3083-03	BN037782.D	18 Sep 2025 18:12	RC/JU	Dilution
9	Q3095-21	BN037783.D	18 Sep 2025 18:49	RC/JU	Ok
10	Q3095-22	BN037784.D	18 Sep 2025 19:25	RC/JU	Ok
11	Q3095-23	BN037785.D	18 Sep 2025 20:02	RC/JU	Ok
12	Q3095-24	BN037786.D	18 Sep 2025 20:38	RC/JU	Ok
13	Q3095-25	BN037787.D	18 Sep 2025 21:14	RC/JU	Ok
14	Q3095-26	BN037788.D	18 Sep 2025 21:51	RC/JU	Ok
15	Q3095-03DL	BN037789.D	18 Sep 2025 22:27	RC/JU	Ok
16	Q3097-08DL	BN037790.D	18 Sep 2025 23:03	RC/JU	Ok
17	PB169692BS	BN037791.D	18 Sep 2025 23:40	RC/JU	Ok
18	PB169693BS	BN037792.D	19 Sep 2025 00:16	RC/JU	Ok,M
19	SSTDCCC0.4	BN037793.D	19 Sep 2025 00:52	RC/JU	Ok
20	DFTPP	BN037794.D	19 Sep 2025 02:08	RC/JU	Ok
21	SSTDCCC0.4	BN037795.D	19 Sep 2025 02:47	RC/JU	Ok

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Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN091825

Review By	Rahul	Review On	9/19/2025 8:50:16 AM		
Supervise By	mohammad	Supervise On	9/23/2025 2:07:38 AM		
SubDirectory	BN091825	HP Acquire Method	BNA_N, 8270_SIM	HP Processing Method	bn091125

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6842,SP6843,SP6844,SP6845,SP6846,SP6847,SP6848
CCC	SP6846
Internal Standard/PEM	SP6830,1ul/100ul sample
ICV/I.BLK	SP6854
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	PB169692BL	BN037796.D	19 Sep 2025 03:24	RC/JU	Ok
23	Q3095-29	BN037797.D	19 Sep 2025 04:00	RC/JU	Ok
24	Q3095-30	BN037798.D	19 Sep 2025 04:37	RC/JU	Ok
25	Q3095-31	BN037799.D	19 Sep 2025 05:13	RC/JU	Ok
26	Q3095-32	BN037800.D	19 Sep 2025 05:49	RC/JU	Ok
27	Q3097-10	BN037801.D	19 Sep 2025 06:25	RC/JU	Ok
28	Q3097-11	BN037802.D	19 Sep 2025 07:01	RC/JU	Ok
29	Q3097-12	BN037803.D	19 Sep 2025 07:37	RC/JU	Ok
30	Q3097-13	BN037804.D	19 Sep 2025 08:13	RC/JU	Dilution
31	Q3097-14	BN037805.D	19 Sep 2025 08:49	RC/JU	Ok
32	Q3097-15	BN037806.D	19 Sep 2025 09:25	RC/JU	Ok
33	Q3097-19	BN037807.D	19 Sep 2025 10:02	RC/JU	Dilution
34	Q3127-13	BN037808.D	19 Sep 2025 10:38	RC/JU	Ok
35	Q3127-14MS	BN037809.D	19 Sep 2025 11:50	RC/JU	Ok,M
36	Q3127-15MSD	BN037810.D	19 Sep 2025 12:27	RC/JU	Ok,M
37	SSTDCCC0.4	BN037811.D	19 Sep 2025 13:03	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN091925

Review By	Rahul	Review On	9/22/2025 8:49:07 AM		
Supervise By	mohammad	Supervise On	9/23/2025 2:08:18 AM		
SubDirectory	BN091925	HP Acquire Method	BNA_N, 8270_SIM	HP Processing Method	bn091125

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6842,SP6843,SP6844,SP6845,SP6846,SP6847,SP6848
CCC	SP6846
Internal Standard/PEM	SP6830,1ul/100ul sample
ICV/I.BLK	SP6854
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BN037812.D	19 Sep 2025 13:39	RC/JU	Ok
2	SSTDCCC0.4	BN037813.D	19 Sep 2025 14:19	RC/JU	Ok
3	PB169743BL	BN037814.D	19 Sep 2025 14:55	RC/JU	Ok
4	Q3095-27	BN037815.D	19 Sep 2025 15:32	RC/JU	Ok
5	Q3083-03DL	BN037816.D	19 Sep 2025 16:08	RC/JU	Ok
6	Q3097-13DL	BN037817.D	19 Sep 2025 16:45	RC/JU	Ok
7	Q3097-19DL	BN037818.D	19 Sep 2025 17:21	RC/JU	Ok
8	Q3097-21	BN037819.D	19 Sep 2025 17:58	RC/JU	Ok
9	Q3097-22	BN037820.D	19 Sep 2025 18:34	RC/JU	Ok
10	Q3097-23	BN037821.D	19 Sep 2025 19:11	RC/JU	Ok
11	Q3097-24	BN037822.D	19 Sep 2025 19:47	RC/JU	Dilution
12	Q3097-25	BN037823.D	19 Sep 2025 20:24	RC/JU	Dilution
13	Q3097-26	BN037824.D	19 Sep 2025 21:00	RC/JU	Ok
14	Q3127-01	BN037825.D	19 Sep 2025 21:37	RC/JU	Ok
15	Q3127-02	BN037826.D	19 Sep 2025 22:13	RC/JU	Dilution
16	Q3127-03	BN037827.D	19 Sep 2025 22:50	RC/JU	Dilution
17	Q3127-04	BN037828.D	19 Sep 2025 23:26	RC/JU	Dilution
18	PB169743BS	BN037829.D	20 Sep 2025 00:03	RC/JU	Ok
19	SSTDCCC0.4	BN037830.D	20 Sep 2025 00:39	RC/JU	Ok
20	DFTPP	BN037831.D	20 Sep 2025 01:16	RC/JU	Ok
21	SSTDCCC0.4	BN037832.D	20 Sep 2025 02:35	RC/JU	Ok

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Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN091925

Review By	Rahul	Review On	9/22/2025 8:49:07 AM				
Supervise By	mohammad	Supervise On	9/23/2025 2:08:18 AM				
SubDirectory	BN091925	HP Acquire Method	BNA_N, 8270_SIM	HP Processing Method	bn091125		

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6842,SP6843,SP6844,SP6845,SP6846,SP6847,SP6848
CCC	SP6846
Internal Standard/PEM	SP6830,1ul/100ul sample
ICV/I.BLK	SP6854
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	PB169743BL	BN037833.D	20 Sep 2025 03:12	RC/JU	Ok
23	Q3127-05	BN037834.D	20 Sep 2025 03:48	RC/JU	Ok
24	Q3127-06	BN037835.D	20 Sep 2025 04:25	RC/JU	Ok
25	Q3127-07	BN037836.D	20 Sep 2025 05:01	RC/JU	Ok
26	Q3127-08	BN037837.D	20 Sep 2025 05:37	RC/JU	Dilution
27	Q3127-09	BN037838.D	20 Sep 2025 06:13	RC/JU	Ok
28	Q3127-10	BN037839.D	20 Sep 2025 06:50	RC/JU	Ok
29	Q3127-11	BN037840.D	20 Sep 2025 07:26	RC/JU	Ok
30	Q3127-12	BN037841.D	20 Sep 2025 08:02	RC/JU	Ok
31	Q3127-16	BN037842.D	20 Sep 2025 08:38	RC/JU	Dilution
32	Q3095-28	BN037843.D	20 Sep 2025 09:14	RC/JU	Ok
33	Q3097-20	BN037844.D	20 Sep 2025 09:51	RC/JU	Dilution
34	Q3127-18	BN037845.D	20 Sep 2025 10:27	RC/JU	Ok
35	Q3127-19	BN037846.D	20 Sep 2025 11:03	RC/JU	Ok
36	SSTDCCC0.4	BN037847.D	20 Sep 2025 11:39	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN091125

Review By	Rahul	Review On	9/12/2025 10:21:18 AM	
Supervise By	Jagrut	Supervise On	9/12/2025 11:52:20 AM	
SubDirectory	BN091125	HP Acquire Method	BNA_N, 8270_HP Processing Method	bn091125

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6842,SP6843,SP6844,SP6845,SP6846,SP6847,SP6848
CCC	SP6846
Internal Standard/PEM	SP6830,1ul/100ul sample
ICV/I.BLK	SP6854
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BN037689.D	11 Sep 2025 07:54		RC/JU	Ok
2	SSTDCCC0.4	SSTDCCC0.4	BN037690.D	11 Sep 2025 09:20	A Fresh Calibration is required.	RC/JU	Ok
3	SSTDICC0.1	SSTDICC0.1	BN037691.D	11 Sep 2025 09:56		RC/JU	Ok
4	SSTDICC0.2	SSTDICC0.2	BN037692.D	11 Sep 2025 10:32		RC/JU	Ok,M
5	SSTDICCC0.4	SSTDICCC0.4	BN037693.D	11 Sep 2025 11:08		RC/JU	Ok
6	SSTDICC0.8	SSTDICC0.8	BN037694.D	11 Sep 2025 11:44		RC/JU	Ok
7	SSTDICC1.6	SSTDICC1.6	BN037695.D	11 Sep 2025 12:20		RC/JU	Ok
8	SSTDICC3.2	SSTDICC3.2	BN037696.D	11 Sep 2025 12:56		RC/JU	Ok
9	SSTDICC5.0	SSTDICC5.0	BN037697.D	11 Sep 2025 13:33	Compound#14,20 removed from 5 ppm	RC/JU	Ok
10	SSTDICV0.4	ICVBN091125	BN037698.D	11 Sep 2025 14:09		RC/JU	Ok
11	PB169529BL	PB169529BL	BN037699.D	11 Sep 2025 14:45		RC/JU	Ok
12	Q2893-03	MDL-SOIL-03-QT3-202	BN037700.D	11 Sep 2025 15:21	MDL-SOIL -0.1 ppm	RC/JU	Ok
13	Q2893-03	MDL-SOIL-03-QT3-202	BN037701.D	11 Sep 2025 15:58	MDL-SOIL -0.2 ppm	RC/JU	Ok
14	Q2893-09	MDL-WATER-03-QT3-2	BN037702.D	11 Sep 2025 16:34	MDL-WATER -0.1 ppm	RC/JU	Ok
15	Q2893-09	MDL-WATER-03-QT3-2	BN037703.D	11 Sep 2025 17:10	MDL-WATER -0.2 ppm	RC/JU	Ok
16	PB169527BL	PB169527BL	BN037704.D	11 Sep 2025 17:47		RC/JU	Ok
17	SSTDCCC0.4	SSTDCCC0.4EC	BN037705.D	11 Sep 2025 18:23		RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN091725

Review By	Rahul	Review On	9/18/2025 2:11:37 PM	
Supervise By	Jagrut	Supervise On	9/18/2025 5:21:45 PM	
SubDirectory	BN091725	HP Acquire Method	BNA_N, 8270_HP Processing Method	bn091125

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6842,SP6843,SP6844,SP6845,SP6846,SP6847,SP6848
CCC	SP6846
Internal Standard/PEM	SP6830,1ul/100ul sample
ICV/I.BLK	SP6854
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BN037739.D	17 Sep 2025 10:46		RC/JU	Ok
2	SSTDCCC0.4	SSTDCCC0.4	BN037740.D	17 Sep 2025 11:25		RC/JU	Ok
3	PB169692BL	PB169692BL	BN037741.D	17 Sep 2025 12:02		RC/JU	Ok
4	Q3095-05	MW203D2-20250909	BN037742.D	17 Sep 2025 12:38		RC/JU	Ok
5	Q3095-06MS	MW203D2-20250909M	BN037743.D	17 Sep 2025 13:14		RC/JU	Ok
6	Q3095-07MSD	MW203D2-20250909M	BN037744.D	17 Sep 2025 13:59		RC/JU	Ok
7	Q3086-01	RW8-SP100-20250911	BN037745.D	17 Sep 2025 14:35		RC/JU	Ok
8	Q3086-02	RW8-SP303-20250911	BN037746.D	17 Sep 2025 15:11		RC/JU	Ok
9	Q3095-01	MW305I-20250908	BN037747.D	17 Sep 2025 15:47		RC/JU	Ok
10	Q3095-02	MW179D-20250908	BN037748.D	17 Sep 2025 16:24		RC/JU	Ok
11	Q3095-03	MW201D-20250908	BN037749.D	17 Sep 2025 17:00	Need 2X Dilution	RC/JU	Dilution
12	Q3095-04	MW179D1-20250908	BN037750.D	17 Sep 2025 17:36		RC/JU	Ok
13	Q3095-08	MW203D1-20250909	BN037751.D	17 Sep 2025 18:13		RC/JU	Ok
14	Q3095-09	MW179D2-20250909	BN037752.D	17 Sep 2025 18:49		RC/JU	Ok
15	Q3095-10	MW201D1-20250909	BN037753.D	17 Sep 2025 19:25		RC/JU	Ok
16	Q3095-11	RE122D1-20250909	BN037754.D	17 Sep 2025 20:01		RC/JU	Ok
17	Q3095-13	MW178I1-20250909	BN037755.D	17 Sep 2025 20:37		RC/JU	Ok
18	SP6870	SP6870	BN037756.D	17 Sep 2025 21:13		RC/JU	Ok

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Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN091725

Review By	Rahul	Review On	9/18/2025 2:11:37 PM	
Supervise By	Jagrut	Supervise On	9/18/2025 5:21:45 PM	
SubDirectory	BN091725	HP Acquire Method	BNA_N, 8270_HP Processing Method	bn091125

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6842,SP6843,SP6844,SP6845,SP6846,SP6847,SP6848
CCC	SP6846
Internal Standard/PEM	SP6830,1ul/100ul sample
ICV/I.BLK	SP6854
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	SSTDCCC0.4	SSTDCCC0.4EC	BN037757.D	17 Sep 2025 21:50		RC/JU	Ok
20	DFTPP	DFTPP	BN037758.D	18 Sep 2025 02:06		RC/JU	Ok
21	SSTDCCC0.4	SSTDCCC0.4	BN037759.D	18 Sep 2025 02:46		RC/JU	Ok
22	PB169692BL	PB169692BL	BN037760.D	18 Sep 2025 03:22		RC/JU	Ok
23	Q3095-12	MW202D-20250909	BN037761.D	18 Sep 2025 03:58		RC/JU	Ok
24	Q3095-14	RE123D1-20250909	BN037762.D	18 Sep 2025 04:34		RC/JU	Ok
25	Q3095-15	RE123D3-20250909	BN037763.D	18 Sep 2025 05:10		RC/JU	Ok
26	Q3095-16	MW305D-20250909	BN037764.D	18 Sep 2025 05:46		RC/JU	Ok
27	Q3095-17	DUP01-20250909	BN037765.D	18 Sep 2025 06:23		RC/JU	Ok
28	Q3095-18	RE126D2-20250909	BN037766.D	18 Sep 2025 06:59		RC/JU	Ok
29	Q3095-19	RE126D3-20250909	BN037767.D	18 Sep 2025 07:35		RC/JU	Ok
30	Q3095-20	MW178S-20250910	BN037768.D	18 Sep 2025 08:11		RC/JU	Ok
31	Q3097-07	RE108D2-20250911	BN037769.D	18 Sep 2025 08:47		RC/JU	Ok
32	Q3097-08	RE125D2-20250911	BN037770.D	18 Sep 2025 09:23	Need 5X Dilution	RC/JU	Dilution
33	Q3097-01	RE103D2-20250911	BN037771.D	18 Sep 2025 10:00		RC/JU	Ok
34	Q3097-02MS	RE103D2-20250911MS	BN037772.D	18 Sep 2025 11:48		RC/JU	Ok
35	Q3097-03MSD	RE103D2-20250911MS	BN037773.D	18 Sep 2025 12:25		RC/JU	Ok
36	SSTDCCC0.4	SSTDCCC0.4EC	BN037774.D	18 Sep 2025 13:16		RC/JU	Ok

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN091825

Review By	Rahul	Review On	9/19/2025 8:50:16 AM	
Supervise By	mohammad	Supervise On	9/23/2025 2:07:38 AM	
SubDirectory	BN091825	HP Acquire Method	BNA_N, 8270_HP Processing Method	bn091125

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6842,SP6843,SP6844,SP6845,SP6846,SP6847,SP6848
CCC	SP6846
Internal Standard/PEM	SP6830,1ul/100ul sample
ICV/I.BLK	SP6854
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BN037775.D	18 Sep 2025 13:53		RC/JU	Ok
2	SSTDCCC0.4	SSTDCCC0.4	BN037776.D	18 Sep 2025 14:32		RC/JU	Ok
3	PB169693BL	PB169693BL	BN037777.D	18 Sep 2025 15:10		RC/JU	Ok
4	Q3097-09	RE108D1-20250911	BN037778.D	18 Sep 2025 15:47		RC/JU	Ok
5	Q3097-04	RE125D1-20250911	BN037779.D	18 Sep 2025 16:23		RC/JU	Ok
6	Q3097-05	RE125D3-20250911	BN037780.D	18 Sep 2025 17:00		RC/JU	Ok
7	Q3097-06	RE103D3-20250911	BN037781.D	18 Sep 2025 17:36		RC/JU	Ok
8	Q3083-03	MW3S	BN037782.D	18 Sep 2025 18:12	Need 2x Dilution	RC/JU	Dilution
9	Q3095-21	RE126D1-20250910	BN037783.D	18 Sep 2025 18:49		RC/JU	Ok
10	Q3095-22	MW202D1-20250910	BN037784.D	18 Sep 2025 19:25		RC/JU	Ok
11	Q3095-23	RE104D2-20250910	BN037785.D	18 Sep 2025 20:02		RC/JU	Ok
12	Q3095-24	MW178I-20250910	BN037786.D	18 Sep 2025 20:38		RC/JU	Ok
13	Q3095-25	DUP02-20250910	BN037787.D	18 Sep 2025 21:14		RC/JU	Ok
14	Q3095-26	DUP03-20250910	BN037788.D	18 Sep 2025 21:51		RC/JU	Ok
15	Q3095-03DL	MW201D-20250908DL	BN037789.D	18 Sep 2025 22:27		RC/JU	Ok
16	Q3097-08DL	RE125D2-20250911DL	BN037790.D	18 Sep 2025 23:03		RC/JU	Ok
17	PB169692BS	PB169692BS	BN037791.D	18 Sep 2025 23:40		RC/JU	Ok
18	PB169693BS	PB169693BS	BN037792.D	19 Sep 2025 00:16		RC/JU	Ok,M

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Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN091825

Review By	Rahul	Review On	9/19/2025 8:50:16 AM	
Supervise By	mohammad	Supervise On	9/23/2025 2:07:38 AM	
SubDirectory	BN091825	HP Acquire Method	BNA_N, 8270_HP Processing Method	bn091125

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6842,SP6843,SP6844,SP6845,SP6846,SP6847,SP6848
CCC	SP6846
Internal Standard/PEM	SP6830,1ul/100ul sample
ICV/I.BLK	SP6854
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	SSTDCCC0.4	SSTDCCC0.4EC	BN037793.D	19 Sep 2025 00:52		RC/JU	Ok
20	DFTPP	DFTPP	BN037794.D	19 Sep 2025 02:08		RC/JU	Ok
21	SSTDCCC0.4	SSTDCCC0.4	BN037795.D	19 Sep 2025 02:47		RC/JU	Ok
22	PB169692BL	PB169692BL	BN037796.D	19 Sep 2025 03:24		RC/JU	Ok
23	Q3095-29	RE122D2-20250910	BN037797.D	19 Sep 2025 04:00		RC/JU	Ok
24	Q3095-30	RE104D1-20250910	BN037798.D	19 Sep 2025 04:37		RC/JU	Ok
25	Q3095-31	TT180D-20250911	BN037799.D	19 Sep 2025 05:13		RC/JU	Ok
26	Q3095-32	RE122D3-20250911	BN037800.D	19 Sep 2025 05:49		RC/JU	Ok
27	Q3097-10	RE120D3-20250911	BN037801.D	19 Sep 2025 06:25		RC/JU	Ok
28	Q3097-11	RE105D1-20250911	BN037802.D	19 Sep 2025 07:01		RC/JU	Ok
29	Q3097-12	DUP04-20250911	BN037803.D	19 Sep 2025 07:37		RC/JU	Ok
30	Q3097-13	DUP05-20250911	BN037804.D	19 Sep 2025 08:13	Need 2X Dilution	RC/JU	Dilution
31	Q3097-14	RE105D2-20250911	BN037805.D	19 Sep 2025 08:49		RC/JU	Ok
32	Q3097-15	RE117D2-20250911	BN037806.D	19 Sep 2025 09:25		RC/JU	Ok
33	Q3097-19	RE120D1-20250912	BN037807.D	19 Sep 2025 10:02	Need 2X Dilution	RC/JU	Dilution
34	Q3127-13	TT119S1-20250916	BN037808.D	19 Sep 2025 10:38		RC/JU	Ok
35	Q3127-14MS	TT119S1-20250916MS	BN037809.D	19 Sep 2025 11:50		RC/JU	Ok,M
36	Q3127-15MSD	TT119S1-20250916MS	BN037810.D	19 Sep 2025 12:27		RC/JU	Ok,M
37	SSTDCCC0.4	SSTDCCC0.4EC	BN037811.D	19 Sep 2025 13:03		RC/JU	Ok

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Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN091825

Review By	Rahul	Review On	9/19/2025 8:50:16 AM	
Supervise By	mohammad	Supervise On	9/23/2025 2:07:38 AM	
SubDirectory	BN091825	HP Acquire Method	BNA_N, 8270_HP Processing Method	bn091125

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6842,SP6843,SP6844,SP6845,SP6846,SP6847,SP6848
CCC	SP6846
Internal Standard/PEM	SP6830,1ul/100ul sample
ICV/I.BLK	SP6854
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

M : Manual Integration

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

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN091925

Review By	Rahul	Review On	9/22/2025 8:49:07 AM	
Supervise By	mohammad	Supervise On	9/23/2025 2:08:18 AM	
SubDirectory	BN091925	HP Acquire Method	BNA_N, 8270_HP Processing Method	bn091125

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6842,SP6843,SP6844,SP6845,SP6846,SP6847,SP6848
CCC	SP6846
Internal Standard/PEM	SP6830,1ul/100ul sample
ICV/I.BLK	SP6854
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BN037812.D	19 Sep 2025 13:39		RC/JU	Ok
2	SSTDCCC0.4	SSTDCCC0.4	BN037813.D	19 Sep 2025 14:19		RC/JU	Ok
3	PB169743BL	PB169743BL	BN037814.D	19 Sep 2025 14:55		RC/JU	Ok
4	Q3095-27	RE117D1-20250910	BN037815.D	19 Sep 2025 15:32		RC/JU	Ok
5	Q3083-03DL	MW3SDL	BN037816.D	19 Sep 2025 16:08		RC/JU	Ok
6	Q3097-13DL	DUP05-20250911DL	BN037817.D	19 Sep 2025 16:45		RC/JU	Ok
7	Q3097-19DL	RE120D1-20250912DL	BN037818.D	19 Sep 2025 17:21		RC/JU	Ok
8	Q3097-21	RE120D2-20250912	BN037819.D	19 Sep 2025 17:58		RC/JU	Ok
9	Q3097-22	RE134D1-20250912	BN037820.D	19 Sep 2025 18:34		RC/JU	Ok
10	Q3097-23	RE134D4-20250912	BN037821.D	19 Sep 2025 19:11		RC/JU	Ok
11	Q3097-24	RE134D2-20250912	BN037822.D	19 Sep 2025 19:47	Need 2X Dilution	RC/JU	Dilution
12	Q3097-25	RE134D3-20250912	BN037823.D	19 Sep 2025 20:24	Need 2X Dilution	RC/JU	Dilution
13	Q3097-26	EB01-20250912	BN037824.D	19 Sep 2025 21:00		RC/JU	Ok
14	Q3127-01	DUP08-20250915	BN037825.D	19 Sep 2025 21:37		RC/JU	Ok
15	Q3127-02	RE131D1-20250915	BN037826.D	19 Sep 2025 22:13	Need 2X Dilution	RC/JU	Dilution
16	Q3127-03	RE131D2-20250915	BN037827.D	19 Sep 2025 22:50	Need 2X Dilution	RC/JU	Dilution
17	Q3127-04	DUP07-20250915	BN037828.D	19 Sep 2025 23:26	Need 2X Dilution	RC/JU	Dilution
18	PB169743BS	PB169743BS	BN037829.D	20 Sep 2025 00:03		RC/JU	Ok

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

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN091925

Review By	Rahul	Review On	9/22/2025 8:49:07 AM	
Supervise By	mohammad	Supervise On	9/23/2025 2:08:18 AM	
SubDirectory	BN091925	HP Acquire Method	BNA_N, 8270_HP Processing Method	bn091125

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6842,SP6843,SP6844,SP6845,SP6846,SP6847,SP6848
CCC	SP6846
Internal Standard/PEM	SP6830,1ul/100ul sample
ICV/I.BLK	SP6854
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	SSTDCCC0.4	SSTDCCC0.4EC	BN037830.D	20 Sep 2025 00:39		RC/JU	Ok
20	DFTPP	DFTPP	BN037831.D	20 Sep 2025 01:16		RC/JU	Ok
21	SSTDCCC0.4	SSTDCCC0.4	BN037832.D	20 Sep 2025 02:35		RC/JU	Ok
22	PB169743BL	PB169743BL	BN037833.D	20 Sep 2025 03:12		RC/JU	Ok
23	Q3127-05	TT158I1-20250915	BN037834.D	20 Sep 2025 03:48		RC/JU	Ok
24	Q3127-06	TT180D2-20250915	BN037835.D	20 Sep 2025 04:25		RC/JU	Ok
25	Q3127-07	RE135D2-20250915	BN037836.D	20 Sep 2025 05:01		RC/JU	Ok
26	Q3127-08	RE132D6-20250916	BN037837.D	20 Sep 2025 05:37	Need 2X Dilution	RC/JU	Dilution
27	Q3127-09	TT101D2-20250915	BN037838.D	20 Sep 2025 06:13		RC/JU	Ok
28	Q3127-10	TT101D-20250915	BN037839.D	20 Sep 2025 06:50		RC/JU	Ok
29	Q3127-11	RE135D3-20250915	BN037840.D	20 Sep 2025 07:26		RC/JU	Ok
30	Q3127-12	RE132D7-20250916	BN037841.D	20 Sep 2025 08:02		RC/JU	Ok
31	Q3127-16	TT101D2-20250915	BN037842.D	20 Sep 2025 08:38	Need 2X Dilution	RC/JU	Dilution
32	Q3095-28	RE104D3-20250910	BN037843.D	20 Sep 2025 09:14		RC/JU	Ok
33	Q3097-20	DUP06-20250912	BN037844.D	20 Sep 2025 09:51	Need 2X Dilution	RC/JU	Dilution
34	Q3127-18	BPOW1-8-20250917	BN037845.D	20 Sep 2025 10:27		RC/JU	Ok
35	Q3127-19	BPOW1-7-20250917	BN037846.D	20 Sep 2025 11:03		RC/JU	Ok
36	SSTDCCC0.4	SSTDCCC0.4EC	BN037847.D	20 Sep 2025 11:39		RC/JU	Ok

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB169692

SOP ID: M3510C,3580A-Extraction SVOC-21

Clean Up SOP #: N/A

Matrix : Water

Weigh By: N/A

Balance check: N/A

Balance ID: N/A

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 4,5,6,7

Extraction Start Date : 09/15/2025

Extraction Start Time : 10:15

Extraction End Date : 09/15/2025

Extraction End Time : 14:30

Concentration By: EH

Supervisor By : ritesh

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	SP6855
Surrogate	1.0ML	0.4 PPM	SP6831
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	E3937
Baked Na2SO4	N/A	EP2639
H2SO4 1:1	N/A	EP2610
10N NaoH	N/A	EP2609
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:

PH Adjusted TO <2 with 1:1 H2SO4 & >11with 10N NAOH ,1.5ML Vial Lot #2210443.

KD Bath ID: WATER BATH-1,2

KD Bath Temperature: 60 °C

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
9/15/25	RJ (GKL-lab)	RC/SVOC
14:35	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB169692

Analytical Method: M3510C,3580A-Extraction SVOC-21 **Concentration Date:** 09/15/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB169692BL	SBLK692	SVOC-SIMGroup1	1000	N/A	ritesh	Evelyn	1			SEP-1
PB169692BS	SLCS692	SVOC-SIMGroup1	1000	N/A	ritesh	Evelyn	1			2
Q3086-01	RW8-SP100-20250911	SVOC-SIMGroup1	1000	N/A	ritesh	Evelyn	1	D		3
Q3086-02	RW8-SP303-20250911	SVOC-SIMGroup1	1000	N/A	ritesh	Evelyn	1	D		4
Q3095-01	MW30S1-20250908	SVOC-SIMGroup1	980	N/A	ritesh	Evelyn	1	C		5
Q3095-02	MW179D-20250908	SVOC-SIMGroup1	1000	N/A	ritesh	Evelyn	1	C		6
Q3095-03	MW201D-20250908	SVOC-SIMGroup1	1000	N/A	ritesh	Evelyn	1	C		7
Q3095-04	MW179D1-20250908	SVOC-SIMGroup1	1000	N/A	ritesh	Evelyn	1	C		8
Q3095-05	MW203D2-20250909	SVOC-SIMGroup1	1000	N/A	ritesh	Evelyn	1	C		9
Q3095-06	Q3095-05MS	SVOC-SIMGroup1	1000	N/A	ritesh	Evelyn	1	C		10
Q3095-07	Q3095-05MSD	SVOC-SIMGroup1	1000	N/A	ritesh	Evelyn	1	C		11
Q3095-08	MW203D1-20250909	SVOC-SIMGroup1	1000	N/A	ritesh	Evelyn	1	C		12
Q3095-09	MW179D2-20250909	SVOC-SIMGroup1	970	N/A	ritesh	Evelyn	1	C		13
Q3095-10	MW201D1-20250909	SVOC-SIMGroup1	1000	N/A	ritesh	Evelyn	1	C		14
Q3095-11	RE122D1-20250909	SVOC-SIMGroup1	1000	N/A	ritesh	Evelyn	1	C		15
Q3095-12	MW202D-20250909	SVOC-SIMGroup1	1000	N/A	ritesh	Evelyn	1	C		16
Q3095-13	MW178I1-20250909	SVOC-SIMGroup1	1000	N/A	ritesh	Evelyn	1	C		SEP-1
Q3095-14	RE123D1-20250909	SVOC-SIMGroup1	970	N/A	ritesh	Evelyn	1	C		2
Q3095-15	RE123D3-20250909	SVOC-SIMGroup1	990	N/A	ritesh	Evelyn	1	C		3
Q3095-16	MW305D-20250909	SVOC-SIMGroup1	1000	N/A	ritesh	Evelyn	1	C		4
Q3095-17	DUP01-20250909	SVOC-SIMGroup1	1000	N/A	ritesh	Evelyn	1	C		5
Q3095-18	RE126D2-20250909	SVOC-SIMGroup1	1000	N/A	ritesh	Evelyn	1	C		6
Q3095-19	RE126D3-20250909	SVOC-SIMGroup1	1000	N/A	ritesh	Evelyn	1	C		7
Q3095-20	MW178S-20250910	SVOC-SIMGroup1	1000	N/A	ritesh	Evelyn	1	C		8

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

RJ 9/15

Q3095-SVOC-SIMGroup1

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3086 **WorkList ID :** 191876 **Department :** Extraction **Date :** 09-15-2025 10:10:33

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3086-01	RW8-SP100-20250911	Water	SVOC-SIMGroup1	Cool 4 deg C	TETR06	D31	09/11/2025	8270-Modified
Q3086-02	RW8-SP303-20250911	Water	SVOC-SIMGroup1	Cool 4 deg C	TETR06	D31	09/11/2025	8270-Modified
Q3095-01	MW30S1-20250908	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	D31	09/08/2025	8270-Modified
Q3095-02	MW179D-20250908	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	D31	09/08/2025	8270-Modified
Q3095-03	MW201D-20250908	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	D31	09/08/2025	8270-Modified
Q3095-04	MW179D1-20250908	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	D31	09/08/2025	8270-Modified
Q3095-05	MW203D2-20250909	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	D31	09/09/2025	8270-Modified
Q3095-06	Q3095-05MS	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	D31	09/09/2025	8270-Modified
Q3095-07	Q3095-05MSD	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	D31	09/09/2025	8270-Modified
Q3095-08	MW203D1-20250909	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	D31	09/09/2025	8270-Modified
Q3095-09	MW179D2-20250909	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	D31	09/09/2025	8270-Modified
Q3095-10	MW201D1-20250909	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	D31	09/09/2025	8270-Modified
Q3095-11	RE122D1-20250909	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	D31	09/09/2025	8270-Modified
Q3095-12	MW202D-20250909	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	D31	09/09/2025	8270-Modified
Q3095-13	MW178I1-20250909	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	D31	09/09/2025	8270-Modified
Q3095-14	RE123D1-20250909	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	D31	09/09/2025	8270-Modified
Q3095-15	RE123D3-20250909	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	D31	09/09/2025	8270-Modified
Q3095-16	MW305D-20250909	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	D31	09/09/2025	8270-Modified
Q3095-17	DUP01-20250909	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	D31	09/09/2025	8270-Modified
Q3095-18	RE126D2-20250909	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	D31	09/09/2025	8270-Modified
Q3095-19	RE126D3-20250909	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	D31	09/09/2025	8270-Modified

Date/Time 9/15/25 10:10
Raw Sample Received by: RJ (CERTI Lab)
Raw Sample Relinquished by: [signature]

Date/Time 9/15/25 10:50
Raw Sample Received by: [signature]
Raw Sample Relinquished by: RJ (CERTI Lab)

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3086 **WorkList ID :** 191876 **Department :** Extraction **Date :** 09-15-2025 10:54:33

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3095-20	MW178S-20250910	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	D31	09/10/2025	8270-Modified

Date/Time 9/15/25 10:10
Raw Sample Received by: RJ (EXL-Lab)
Raw Sample Relinquished by: [signature]

Date/Time 9/15/25 10:50
Raw Sample Received by: [signature]
Raw Sample Relinquished by: RJ (EXL-Lab)

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB169693

SOP ID:	M3510C,3580A-Extraction SVOC-21				
Clean Up SOP #:	N/A			**Extraction Start Date :**	09/15/2025
Matrix :	Water			**Extraction Start Time :**	12:00
Weigh By:	N/A	**Extraction By:**	RJ	**Extraction End Date :**	09/15/2025
Balance check:	N/A	**Filter By:**	RJ	**Extraction End Time :**	16:30
Balance ID:	N/A	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	N/A	**Hood ID:**	4,5,6,7	**Supervisor By :**	ritesh

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	SP6855
Surrogate	1.0ML	0.4 PPM	SP6831
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	E3937
Baked Na2SO4	N/A	EP2639
H2SO4 1:1	N/A	EP2610
10N NaoH	N/A	EP2609
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:

PH Adjusted TO <2 with 1:1 H2SO4 & >11with 10N NAOH ,1.5ML Vial Lot #2210443.

KD Bath ID:	WATER BATH-1,2	**Envap ID:**	NEVAP-02
KD Bath Temperature:	60 °C	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
9/15/25	RJ (EXT-1 cab)	Rclsvoc
16:35	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB169693

Analytical Method: M3510C,3580A-Extraction SVOC-21 **Concentration Date:** 09/15/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB169693BL	SBLK693	SVOC-SIMGroup1	1000	6	ritesh	Evelyn	1			SEP-1
PB169693BS	SLCS693	SVOC-SIMGroup1	1000	6	ritesh	Evelyn	1			2
Q3083-03	MW3S	SVOC-SIM	1000	6	ritesh	Evelyn	1	C		3
Q3095-21	RE126D1-20250910	SVOC-SIMGroup1	990	6	ritesh	Evelyn	1	C		4
Q3095-22	MW202D1-20250910	SVOC-SIMGroup1	1000	6	ritesh	Evelyn	1	C		5
Q3095-23	RE104D2-20250910	SVOC-SIMGroup1	980	6	ritesh	Evelyn	1	C		6
Q3095-24	MW178I-20250910	SVOC-SIMGroup1	1000	6	ritesh	Evelyn	1	C		7
Q3095-25	DUP02-20250910	SVOC-SIMGroup1	970	6	ritesh	Evelyn	1	C		8
Q3095-26	DUP0-20250910	SVOC-SIMGroup1	1000	6	ritesh	Evelyn	1	C		9
Q3095-27	RE117D1-20250910	SVOC-SIMGroup1	1000	6	ritesh	Evelyn	1	C		10
Q3095-28	RE104D3-20250910	SVOC-SIMGroup1	1000	6	ritesh	Evelyn	1	C		11
Q3095-29	RE122D2-20250910	SVOC-SIMGroup1	980	6	ritesh	Evelyn	1	C		12
Q3095-30	RE104D1-20250910	SVOC-SIMGroup1	1000	6	ritesh	Evelyn	1	C		13
Q3095-31	TT180D-20250911	SVOC-SIMGroup1	1000	6	ritesh	Evelyn	1	C		14
Q3095-32	RE122D3-20250911	SVOC-SIMGroup1	1000	6	ritesh	Evelyn	1	C		15
Q3097-01	RE103D2-20250911	SVOC-SIMGroup1	1000	6	ritesh	Evelyn	1	C		16
Q3097-02	Q3097-01MS	SVOC-SIMGroup1	1000	6	ritesh	Evelyn	1	C		SEP-1
Q3097-03	Q3097-01MSD	SVOC-SIMGroup1	1000	6	ritesh	Evelyn	1	C		2
Q3097-04	RE125D1-20250911	SVOC-SIMGroup1	1000	6	ritesh	Evelyn	1	C		3
Q3097-05	RE125D3-20250911	SVOC-SIMGroup1	1000	6	ritesh	Evelyn	1	C		4
Q3097-06	RE103D3-20250911	SVOC-SIMGroup1	1000	6	ritesh	Evelyn	1	C		5
Q3097-07	RE108D2-20250911	SVOC-SIMGroup1	1000	6	ritesh	Evelyn	1	C		6
Q3097-08	RE125D2-20250911	SVOC-SIMGroup1	1000	6	ritesh	Evelyn	1	C		7
Q3097-09	RE108D1-20250911	SVOC-SIMGroup1	1000	6	ritesh	Evelyn	1	C		8

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

RJ 9/15

Q3095-SVOC-SIMGroup1

12:00

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3095 **WorkList ID :** 191877 **Department :** Extraction **Date :** 09-15-2025 11:28:17

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3083-03	MW3S	Water	SVOC-SIM	Cool 4 deg C	GENV01	D31	09/11/2025	8270-Modified
Q3095-21	RE126D1-20250910	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	D31	09/10/2025	8270-Modified
Q3095-22	MW202D1-20250910	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	D31	09/10/2025	8270-Modified
Q3095-23	RE104D2-20250910	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	D31	09/10/2025	8270-Modified
Q3095-24	MW178I-20250910	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	D31	09/10/2025	8270-Modified
Q3095-25	DUP02-20250910	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	D31	09/10/2025	8270-Modified
Q3095-26	DUP0-20250910	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	D31	09/10/2025	8270-Modified
Q3095-27	RE117D1-20250910	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	D31	09/10/2025	8270-Modified
Q3095-28	RE104D3-20250910	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	D31	09/10/2025	8270-Modified
Q3095-29	RE122D2-20250910	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	D31	09/10/2025	8270-Modified
Q3095-30	RE104D1-20250910	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	D31	09/10/2025	8270-Modified
Q3095-31	TT180D-20250911	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	D31	09/11/2025	8270-Modified
Q3095-32	RE122D3-20250911	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	D31	09/11/2025	8270-Modified
Q3097-01	RE103D2-20250911	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	D41	09/11/2025	8270-Modified
Q3097-02	Q3097-01MS	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	D41	09/11/2025	8270-Modified
Q3097-03	Q3097-01MSD	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	D41	09/11/2025	8270-Modified
Q3097-04	RE125D1-20250911	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	D41	09/11/2025	8270-Modified
Q3097-05	RE125D3-20250911	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	D41	09/11/2025	8270-Modified
Q3097-06	RE103D3-20250911	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	D41	09/11/2025	8270-Modified
Q3097-07	RE108D2-20250911	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	D41	09/11/2025	8270-Modified
Q3097-08	RE125D2-20250911	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	D41	09/11/2025	8270-Modified

Date/Time 09/15/25 11:55

Raw Sample Received by: RJ (Ext-Lab)

Raw Sample Relinquished by: [signature]

Date/Time 09/15/25 12:35

Raw Sample Received by: [signature]

Raw Sample Relinquished by: RJ (Ext-Lab)

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3095 **WorkList ID :** 191877 **Department :** Extraction **Date :** 09-15-2025 11:28:17

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3097-09	RE108D1-20250911	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	D41	09/11/2025	8270-Modified

Date/Time 09/15/25 11:55
Raw Sample Received by: RJ (EH-Lab)
Raw Sample Relinquished by: [signature]

Date/Time 09/15/25 12:35
Raw Sample Received by: [signature]
Raw Sample Relinquished by: RJ (EH-Lab)

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Prep Standard - Chemical Standard Summary

Order ID : Q3095

Test : SVOC-SIMGroup1

Prepbatch ID : PB169692,PB169693,

Sequence ID/Qc Batch ID: BN091725,BN091825,BN091825,BN091925,BN091925,

Standard ID :
EP2609,EP2610,EP2639,SP6757,SP6830,SP6831,SP6841,SP6842,SP6843,SP6844,SP6845,SP6846,SP6847,SP6848,SP6853,SP6854,SP6855,

Chemical ID :
1ul/100ul sample,E3657,E3875,E3904,E3932,E3940,E3942,E3943,E3973,M6157,S10105,S11073,S11496,S11652,S11807,S11828,S12115,S12195,S12197,S12216,S12220,S12273,S12498,S12499,S12552,S12577,S12670,S12986,S13058,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	EP2609	05/07/2025	11/07/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 05/07/2025

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	EP2610	05/07/2025	11/07/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 05/07/2025

FROM 1000.00000ml of M6157 + 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	EP2639	09/12/2025	01/28/2026	Riteshkumar Patel	Extraction_SCALE_2 (EX-SC-2)	None	Evelyn Huang 09/12/2025

FROM 4000.00000gram of E3875 = Final Quantity: 4000.000 gram

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3895	50 ug/ml DFTPP 8270E	SP6757	03/31/2025	09/30/2025	Rahul Chavli	None	None	Jagrut Upadhyay 04/01/2025

FROM 1.00000ml of S12577 + 19.00000ml of E3904 = 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
3493	Internal Standard 0.4 PPM	SP6830	06/17/2025	12/13/2025	Jagrut Upadhyay	None	None	Rahul Chavli 06/19/2025

FROM 0.10000ml of S12670 + 4.90000ml of E3942 = Final Quantity: 5.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3491	8270-SIM-Surrogate 0.4 PPM	SP6831	06/18/2025	09/18/2025	Rahul Chavli	None	None	Jagrut Upadhyay 06/18/2025

FROM 0.00800ml of S12195 + 0.01600ml of S12216 + 0.04000ml of S11828 + 199.93600ml of E3940 = 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
3339	8270 sim calibration stock 10ppm (CPI)	SP6841	06/25/2025	10/28/2025	Jagrut Upadhyay	None	None	Rahul Chavli 06/25/2025

FROM 0.03350ml of S10105 + 0.05000ml of S11496 + 0.12500ml of S11828 + 0.12500ml of S12115 + 0.25000ml of S12273 + 0.25000ml of S13058 + 24.16650ml of E3943 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3361	8270-SIM MDL-5PPM CALIBRATION SOLUTION	SP6842	06/25/2025	10/28/2025	Jagrut Upadhyay	None	None	Rahul Chavli 06/25/2025

FROM 0.50000ml of E3943 + 0.01000ml of SP6830 + 0.50000ml of SP6841 = 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
3341	8270-SIM MDL-3.2PPM CALIBRATION SOLUTION	SP6843	06/25/2025	10/28/2025	Jagrut Upadhyay	None	None	Rahul Chavli 06/25/2025

FROM 0.68000ml of E3943 + 0.01000ml of SP6830 + 0.32000ml of SP6841 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3344	8270-SIM MDL-1.6PPM CALIBRATION SOLUTION	SP6844	06/25/2025	10/28/2025	Jagrut Upadhyay	None	None	Rahul Chavli 06/25/2025

FROM 0.84000ml of E3943 + 0.01000ml of SP6830 + 0.16000ml of SP6841 = 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
3342	8270-SIM MDL-0.8PPM CALIBRATION SOLUTION	SP6845	06/25/2025	10/28/2025	Jagrut Upadhyay	None	None	Rahul Chavli 06/25/2025

FROM 0.92000ml of E3943 + 0.01000ml of SP6830 + 0.08000ml of SP6841 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3343	8270-SIM MDL-0.4PPM CALIBRATION SOLUTION	SP6846	06/25/2025	10/28/2025	Jagrut Upadhyay	None	None	Rahul Chavli 06/25/2025

FROM 0.96000ml of E3943 + 0.01000ml of SP6830 + 0.04000ml of SP6841 = 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
3345	8270-SIM MDL-0.2PPM CALIBRATION SOLUTION	SP6847	06/25/2025	10/28/2025	Jagrut Upadhyay	None	None	Rahul Chavli 06/25/2025

FROM 0.50000ml of E3943 + 0.01000ml of SP6830 + 0.50000ml of SP6846 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3346	8270-SIM MDL-0.1PPM CALIBRATION SOLUTION	SP6848	06/25/2025	10/28/2025	Jagrut Upadhyay	None	None	Rahul Chavli 06/25/2025

FROM 0.75000ml of E3943 + 0.01000ml of SP6830 + 0.25000ml of SP6846 = 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
3355	8270-SIM MDL-3.2PPM CALIBRATION STOCK SOL- 2ND SOURCE	SP6853	07/02/2025	09/30/2025	Jagrut Upadhyay	None	None	Rahul Chavli 07/08/2025

FROM 0.00630ml of S12197 + 0.01280ml of S12220 + 0.03200ml of S11073 + 0.03200ml of S11828 + 0.06400ml of S12499 + 0.06400ml of S12552 + 0.06400ml of S12986 + 19.72490ml of E3943 = Final Quantity: 20.000 ml

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	SP6854	07/02/2025	09/30/2025	Jagrut Upadhyay	None	None	Rahul Chavli 07/16/2025

FROM 0.87500ml of E3943 + 0.01000ml of SP6830 + 0.12500ml of SP6853 = 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
3492	8270-SIM-Spike 0.4 PPM	SP6855	07/30/2025	09/30/2025	Rahul Chavli	None	None	Jagrut Upadhyay 08/05/2025

FROM 0.00080ml of S11652 + 0.01000ml of S11807 + 0.02000ml of S12498 + 0.02000ml of S12552 + 0.02000ml of S12986 + 49.92920ml of E3932 = Final Quantity: 50.000 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.	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 #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	417203	01/28/2026	07/28/2025 / RUPESH	01/29/2025 / Rajesh	E3875

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)	24K1762005	01/07/2026	03/13/2025 /	12/27/2024 / RUPESH	E3904

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	11/05/2025	05/05/2025 / RUPESH	04/23/2025 / RUPESH	E3932

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	12/11/2025	06/11/2025 / Rajesh	06/04/2025 / Rajesh	E3940

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)	25A2862010	12/13/2025	06/13/2025 / Rajesh	02/28/2025 / Rajesh	E3942

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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)	25A2862010	12/13/2025	06/13/2025 / Rajesh	02/28/2025 / Rajesh	E3943

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)	25C1262005	04/16/2026	09/15/2025 / Riteshkumar	09/15/2025 / Riteshkumar	E3973

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)	24i1262013	11/07/2025	05/07/2025 / RUPESH	02/18/2025 / Mohan	M6157

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	12/19/2025	06/19/2025 / Jagrut	12/09/2021 / Christian	S10105

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	11/16/2025	05/16/2025 / Jagrut	02/06/2023 / Christian	S11073

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	10/28/2025	04/28/2025 / Jagrut	08/11/2023 / Yogesh	S11496

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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	555872 / Custom Standard, pentachlorophenol Std [CS 5328-5]	A0201728	01/30/2026	07/30/2025 / Rahul	11/09/2023 / Yogesh	S11652

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	A0200655	01/01/2026	07/01/2025 / Rahul	11/21/2023 / rahul	S11807

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	12/09/2025	06/09/2025 / Jagrut	11/21/2023 / rahul	S11828

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	10/28/2025	04/28/2025 / Jagrut	03/08/2024 / Rahul	S12115

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	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12195

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	01/02/2026	07/02/2025 / Jagrut	03/15/2024 / Rahul	S12197

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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	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12216

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	01/02/2026	07/02/2025 / Jagrut	03/15/2024 / Rahul	S12220

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	520963	12/25/2025	06/25/2025 / Jagrut	05/24/2024 / Rahul	S12273

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	12/04/2025	06/04/2025 / Jagrut	07/23/2024 / RAHUL	S12498

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	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12499

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	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12552

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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,	A0212955	06/30/2027	03/31/2025 / Rahul	08/01/2024 / Rahul	S12577

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	A0212266	12/16/2025	06/16/2025 / anahy	09/20/2024 / anahy	S12670

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]	A0219438	09/30/2025	06/04/2025 / Jagrut	12/11/2024 / anahy	S12986

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)	531243	12/25/2025	06/25/2025 / Jagrut	01/16/2025 / anahy	S13058

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

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Santa Rosa, CA 95403

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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

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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.

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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)

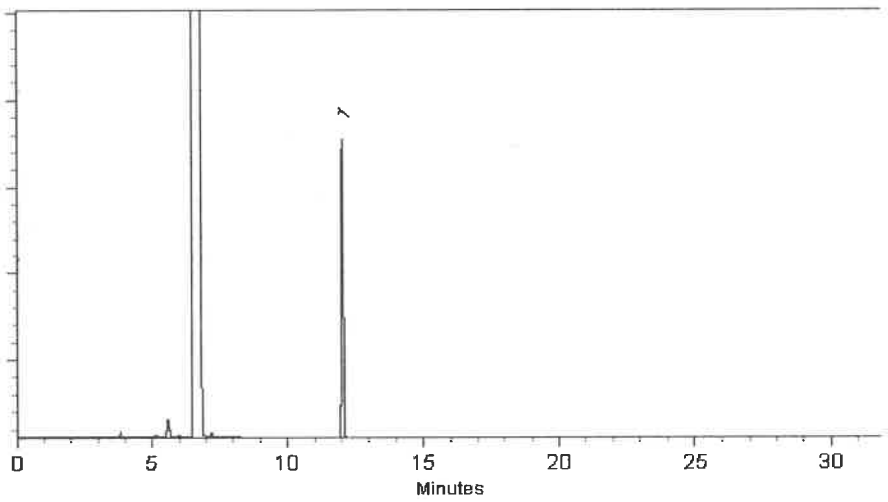
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

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

PRODUCTOS QUIMICOS MONTERREY, S.A. DE C.V.

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MÉXICO
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:	MAY/23/2024
LOT NUMBER :	417203		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na_2SO_4)	Min. 99.0%	99.8 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.2
Insoluble matter	Max. 0.01%	0.001 %
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%	0.001 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.001 %
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%	0.2 %
Retained on US Standard No. 60 sieve	Min. 94%	96.2 %
Through US Standard No. 60 sieve	Max. 5%	3.5 %
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.

RE-02-01, Ed. 3

E 3875

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 RS

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3932

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

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 6/11/25

E3940

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

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker

Material No.: 9266-A4
Batch No.: 25A2862010
Manufactured Date: 2024-12-18
Expiration Date:2026-03-19
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 HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	2
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	0.3 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

E3942

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

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker

Material No.: 9266-A4
Batch No.: 25A2862010
Manufactured Date: 2024-12-18
Expiration Date:2026-03-19
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 HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	2
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	0.3 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

E3943

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.: 25C1262005
Manufactured Date: 2025-01-15
Expiration Date:2026-04-16
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 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	0.1 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: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3973

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

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

M615 MB

avantor™ | J.T.Baker

Material No.: 9673-33
Batch No.: 24I1262013
Manufactured Date: 2024-08-07
Retest Date:2029-08-06
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS - Assay (H_2SO_4)	95.0 - 98.0 %	96.2 %
Appearance	Passes Test	Passes Test
ACS - Color (APHA)	<= 10	5
ACS - Residue after Ignition	<= 3 ppm	<1 ppm
ACS - Substances Reducing Permanganate(as SO2)	<= 2 ppm	<2 ppm
Ammonium (NH_4)	<= 1 ppm	<1 ppm
Chloride (Cl)	<= 0.1 ppm	<0.1 ppm
Nitrate (NO_3)	<= 0.2 ppm	0.1 ppm
Phosphate (PO_4)	<= 0.5 ppm	<0.1 ppm
Trace Impurities - Aluminum (Al)	<= 30.0 ppb	<5.0 ppb
Arsenic & Antimony (as As)	<= 4.0 ppb	<2.0 ppb
Trace Impurities - Boron (B)	<= 10.0 ppb	<5.0 ppb
Trace Impurities - Cadmium (Cd)	<= 2.0 ppb	<1.0 ppb
Trace Impurities - Chromium (Cr)	<= 6.0 ppb	<1.0 ppb
Trace Impurities - Cobalt (Co)	<= 0.5 ppb	<0.3 ppb
Trace Impurities - Copper (Cu)	<= 1.0 ppb	<1.0 ppb
Trace Impurities - Gold (Au)	<= 10.0 ppb	<5.0 ppb
Heavy Metals (as Pb)	<= 500.0 ppb	<100.0 ppb
Trace Impurities - Iron (Fe)	<= 50.0 ppb	<1.0 ppb
Trace Impurities - Lead (Pb)	<= 0.5 ppb	<0.5 ppb
Trace Impurities - Magnesium (Mg)	<= 7.0 ppb	<1.0 ppb
Trace Impurities - Manganese (Mn)	<= 1.0 ppb	<1.0 ppb
Trace Impurities - Mercury (Hg)	<= 0.5 ppb	<0.1 ppb
Trace Impurities - Nickel (Ni)	<= 2.0 ppb	<0.3 ppb
Trace Impurities - Potassium (K)	<= 500.0 ppb	<10.0 ppb
Trace Impurities - Selenium (Se)	<= 50.0 ppb	7.2 ppb
Trace Impurities - Silicon (Si)	<= 100.0 ppb	12.8 ppb
Trace Impurities - Silver (Ag)	<= 1.0 ppb	<1.0 ppb

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

avantor™ | J.T.Baker

Material No.: 9673-33
Batch No.: 24I1262013

Test	Specification	Result
Trace Impurities - Sodium (Na)	<= 500.0 ppb	<5.0 ppb
Trace Impurities - Strontium (Sr)	<= 5.0 ppb	<1.0 ppb
Trace Impurities - Tin (Sn)	<= 5.0 ppb	1.1 ppb
Trace Impurities - Zinc (Zn)	<= 5.0 ppb	<1.0 ppb

For Laboratory,Research,or Manufacturing Use

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

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

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 } Y.P.
to } 08/11/2023
511498

*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.

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

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. : 555872 **Lot No.:** A0201728

Description : Custom Pentachlorophenol Standard

Custom Pentachlorophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

511649 ↓ 511658 Y.P. 11/13/23

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachlorophenol	87-86-5	RP230530RSR	99%	25,000.0 µg/mL	+/- 777.0837

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Josh McCloskey - Operations Technician I

Date Mixed: 05-Sep-2023 **Balance:** B251644995

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA 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.:** A0200655

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11795 ↓ S11808 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	SHBQ1693	99%	2,007.0 µg/mL	+/- 24.9775

* 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.)

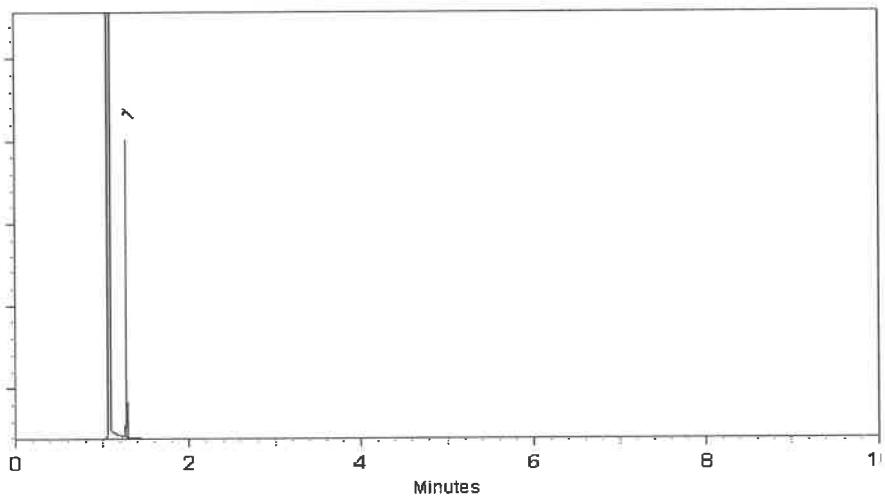
Inj. Temp:
250°C

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.

Penelope Riglin - Operations Tech I

Date Mixed: 06-Aug-2023 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 08-Aug-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
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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. : 33913 **Lot No.:** A0201976

Description : SOM01.0 SIM Analysis Standard

SOM01.0 SIM Analysis Standard 2000µg/mL, Methylene chloride, 1mL /ampul

S11828 ↓ S11832 RC/ 11/30/23

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

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.)

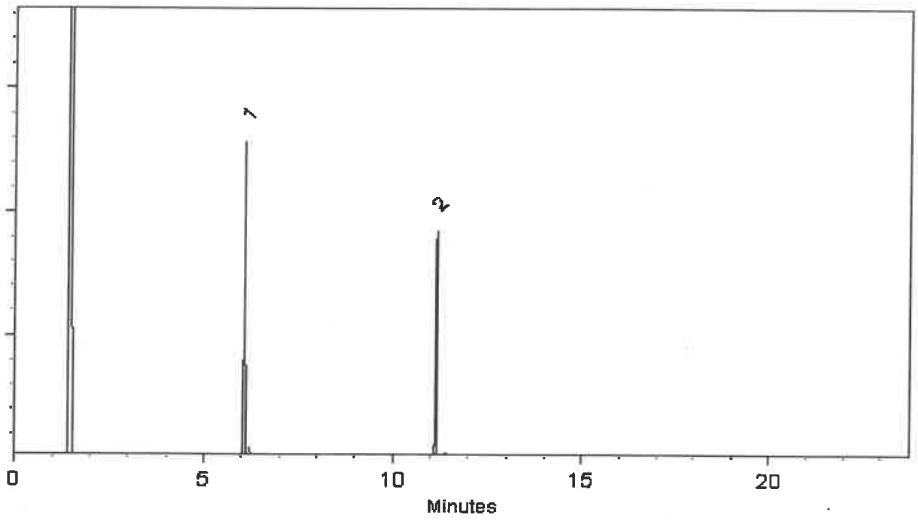
Inj. Temp:
250°C

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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Date Received:_____

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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.

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Testing Laboratory
Certificate #3222.02

Certificate of Analysis

chromatographic plus

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

S12187 ↓ S12206 } RC/ 03/18/24

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

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.)

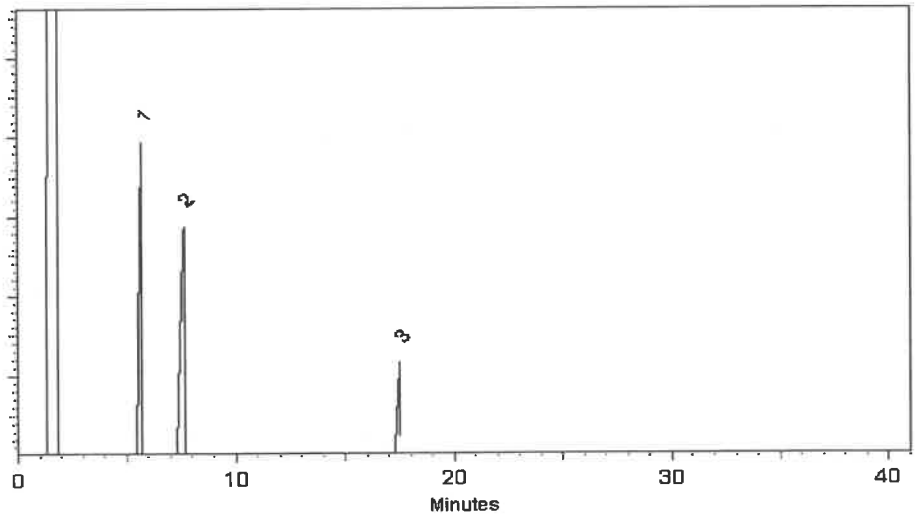
Inj. Temp:
250°C

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

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Catalog No. : 31087 **Lot No.:** A0206206

S12187 ↓ S12206 } RC/ 03/18/24

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

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.)

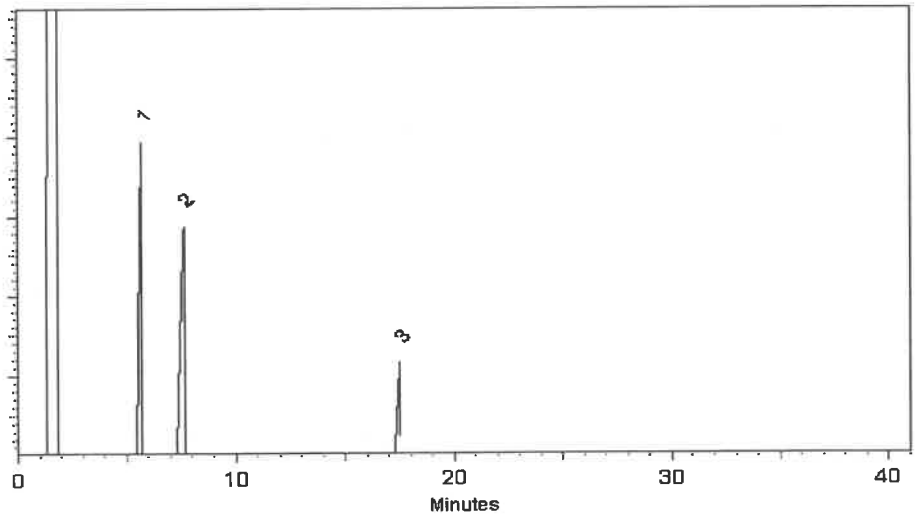
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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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

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Certificate of Analysis

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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.)

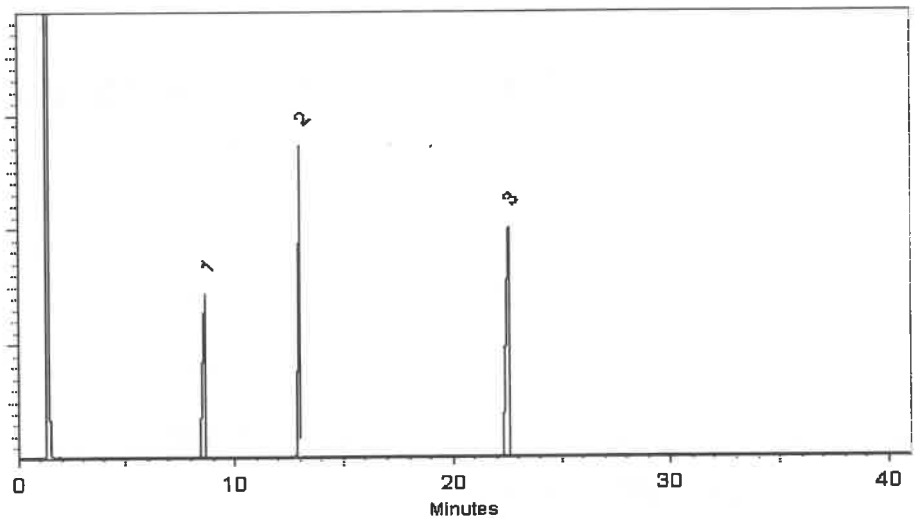
Inj. Temp:
250°C

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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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. : 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.)

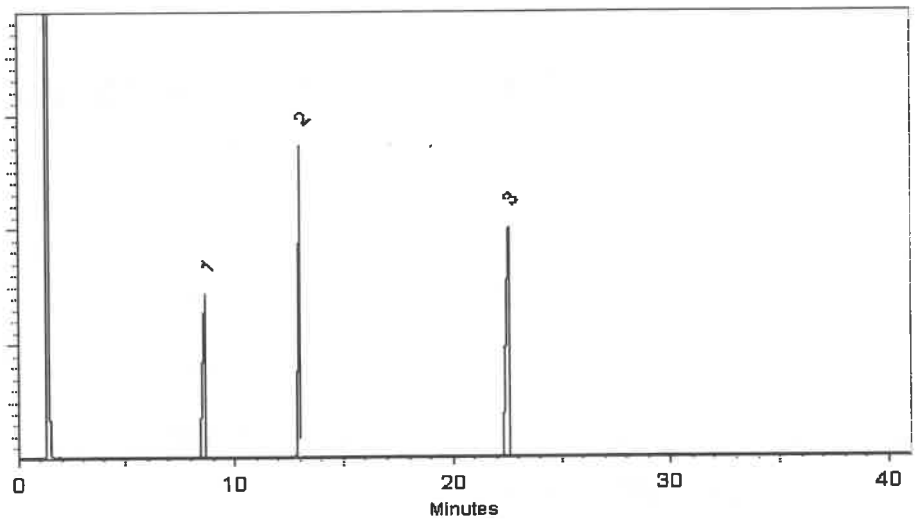
Inj. Temp:
250°C

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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Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110381-01	520963	≤ -10 °C	Methylene Chloride	10/10/2028	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	1010 ± 9.89
acenaphthylene	208-96-8	97.6	14.290.1P	1014 ± 9.93
aniline	62-53-3	99.97	64.1.4P	1001 ± 9.8
anthracene	120-12-7	99.5	15.7.1P	999.6 ± 9.79
azobenzene	103-33-3	98.1	252.7.2P	999.1 ± 9.8
benzo[a]anthracene	56-55-3	100	16.7.3P	1007 ± 9.86
benzo[b]fluoranthene	205-99-2	99.8	17.421.3P	1011 ± 14.11
benzo[k]fluoranthene	207-08-9	98.9	18.421.4P	1001 ± 10.96
benzo[ghi]perylene	191-24-2	93	19.286.4P	999.6 ± 13.95
benzo[a]pyrene	50-32-8	97	20.286.2P	999.9 ± 22.24
benzyl alcohol	100-51-6	99.9	65.18.1P	1001 ± 9.82
bis(2-chloroethoxy)methane	111-91-1	99.1	31.3.15P	1000 ± 14.69
bis(2-chloroethyl)ether	111-44-4	99.8	32.7.1P	1003 ± 13.89
bis(2-chloro-1-methylethyl) ether	108-60-1	99.5	34.3.15P	999.4 ± 14.68
bis(2-ethylhexyl)adipate	103-23-1	99.5	874.7.1P	999.5 ± 9.8
bis(2-ethylhexyl)phthalate	117-81-7	99.4	33.29.1P	998.8 ± 17.03
4-bromophenyl phenyl ether	101-55-3	99.4	35.7.1.1P	1000 ± 13.85
butyl benzyl phthalate	85-68-7	98.4	36.1.6P	984.7 ± 16.79
carbazole	86-74-8	99.4	239.7.2P	1000 ± 9.8

S12270 ↓ S12274 } RC 05/24/24

*Not a certified value

Certified By: Kerry E Kane

Kerry Kane
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.:** 520963 **Expiration Date:** 10/10/2028

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
4-chloroaniline	106-47-8	100	66.7.1P	1000 ± 9.79
4-chlorophenylphenyl ether	7005-72-3	98	37.158.2P	1001 ± 17.07
4-chloro-3-methylphenol	59-50-7	99	102.1.2P	1006 ± 17.16
2-chloronaphthalene	91-58-7	99.9	42.7.6P	1000 ± 9.79
2-chlorophenol	95-57-8	99.8	103.7.1P	1007 ± 13.96
chrysene	218-01-9	96	21.286.2P	998.4 ± 12.85
dibenz[a,h]anthracene	53-70-3	99.44	22.286.3P	1000 ± 9.74
dibenzofuran	132-64-9	100	67.7.2.1P	1002 ± 9.77
di-n-butyl phthalate	84-74-2	99.84	40.286.1P	1007 ± 24.48
1,2-dichlorobenzene	95-50-1	99.8	43.7.1P	1000 ± 9.79
1,3-dichlorobenzene	541-73-1	99.5	44.1.3P	999.4 ± 9.79
1,4-dichlorobenzene	106-46-7	99.9	45.29.2P	1000 ± 9.79
2,4-dichlorophenol	120-83-2	99.6	104.7.1.1P	1005 ± 13.93
diethyl phthalate	84-66-2	99.8	38.7.1P	1011 ± 14
2,4-dimethylphenol	105-67-9	99.6	105.7.1.1P	1009 ± 13.98
dimethyl phthalate	131-11-3	99.9	39.9.2P	996.5 ± 13.8
1,2-dinitrobenzene	528-29-0	99.86	86.7.3.1P	999.5 ± 9.75
1,3-dinitrobenzene	99-65-0	100	313.7.2P	998 ± 9.79
1,4-dinitrobenzene	100-25-4	100	907.7.1P	999.5 ± 9.8
2,4-dinitrophenol	51-28-5	99.9	106.1.6DP	1002 ± 13.89
2,4-dinitrotoluene	121-14-2	100	87.7.3P	999.8 ± 13.85
2,6-dinitrotoluene	606-20-2	99.4	88.7.2.1P	999.6 ± 13.85
di-n-octyl phthalate	117-84-0	99.1	41.7.5P	991.6 ± 13.74
diphenylamine	122-39-4	100	78.1.6P	998 ± 13.79
2,3,5,6-tetrachlorophenol	935-95-5	97	1112.286.1P	1004 ± 14.02
fluoranthene	206-44-0	98.6	23.7.4P	999.6 ± 9.79
fluorene	86-73-7	98.4	24.7.1P	999.7 ± 9.79

*Not a certified value

Certified By: Kerry E Kane

Kerry Kane
Chemist

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Certificate of Analysis

Catalog No.: Z-110381-01 **Lot No.:** 520963 **Expiration Date:** 10/10/2028

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
hexachlorobenzene	118-74-1	99	46.158.4P	999.9 ± 13.96
hexachlorobutadiene	87-68-3	97.4	47.1.4P	1000 ± 9.79
hexachlorocyclopentadiene	77-47-4	99.2	48.2.2P	1001 ± 9.8
hexachloroethane	67-72-1	99.9	49.1.4P	1003 ± 9.82
indeno[1,2,3-cd]pyrene	193-39-5	98	25.286.4P	999.4 ± 22.23
isophorone	78-59-1	98.9	90.1.4P	999.9 ± 13.85
2-methyl-4,6-dinitrophenol	534-52-1	99.6	107.421.2DP	991 ± 24.09
1-methylnaphthalene	90-12-0	97.1	249.7.5P	999.2 ± 13.95
2-methylnaphthalene	91-57-6	97.4	68.7.2P	1006 ± 22.38
2-methylphenol	95-48-7	99.6	114.7.3P	1001 ± 13.87
3-methylphenol	108-39-4	99.1	115.7.4P	499.7 ± 6.92
4-methylphenol	106-44-5	99.5	116.7.1P	501.2 ± 6.94
naphthalene	91-20-3	99.8	26.9.1P	1018 ± 9.97
2-nitroaniline	88-74-4	99.7	69.29.1P	999.6 ± 9.79
3-nitroaniline	99-09-2	100	70.7.3P	1000 ± 9.74
4-nitroaniline	100-01-6	99.7	71.29.1P	1001 ± 9.8
nitrobenzene	98-95-3	100	94.7.1P	1000 ± 13.85
2-nitrophenol	88-75-5	99.1	108.29.1P	996.5 ± 13.81
4-nitrophenol	100-02-7	100	109.7.1P	1000 ± 13.82
N-nitrosodimethylamine	62-75-9	99.5	57.3.19P	998.5 ± 14.67
N-nitrosodi-n-propylamine	621-64-7	99.8	59.286.1P	996.8 ± 17
pentachlorophenol	87-86-5	99	110.1.7P	1004 ± 13.92
phenanthrene	85-01-8	99.7	27.1.5P	999 ± 12.87
phenol	108-95-2	100	112.7.1P	998.5 ± 13.8
pyrene	129-00-0	99.2	28.9.2P	998.9 ± 9.78
pyridine	110-86-1	100	101.24.1P	999 ± 9.73
2,3,4,6-Tetrachlorophenol	58-90-2	91.8	120.421.1P	996.5 ± 13.92

*Not a certified value

Certified By: Kerry E Kane

Kerry Kane
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.:** 520963 **Expiration Date:** 10/10/2028

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2,4-trichlorobenzene	120-82-1	99.6	54.29.1P	999.6 ± 9.79
2,4,5-trichlorophenol	95-95-4	96.5	121.7.1.1P	999.5 ± 13.85
2,4,6-trichlorophenol	88-06-2	99.6	113.7.1P	996 ± 13.8

*Not a certified value

Certified By: Kerry E Kane

Kerry Kane
Chemist

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CERTIFIED REFERENCE MATERIAL

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

gravimetric

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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110 Benner Circle
Bellefonte, PA 16823-8812
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Fax: 1-814-353-1309

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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.
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  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.
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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.
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chromatographic plus

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. : 31615 **Lot No.:** A0212955

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 : June 30, 2027 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,004.5 µg/mL	+/- 44.8902
2	DFTPP (Decafluorotriphenylphosphine)	5074-71-5	Q117-147	99%	1,004.5 µg/mL	+/- 44.8902
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 44.9572
4	4,4'-DDT	50-29-3	S240530RSR	97%	1,000.1 µg/mL	+/- 44.6922

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12577 ↓ S12579 RC 8/2/24

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.)

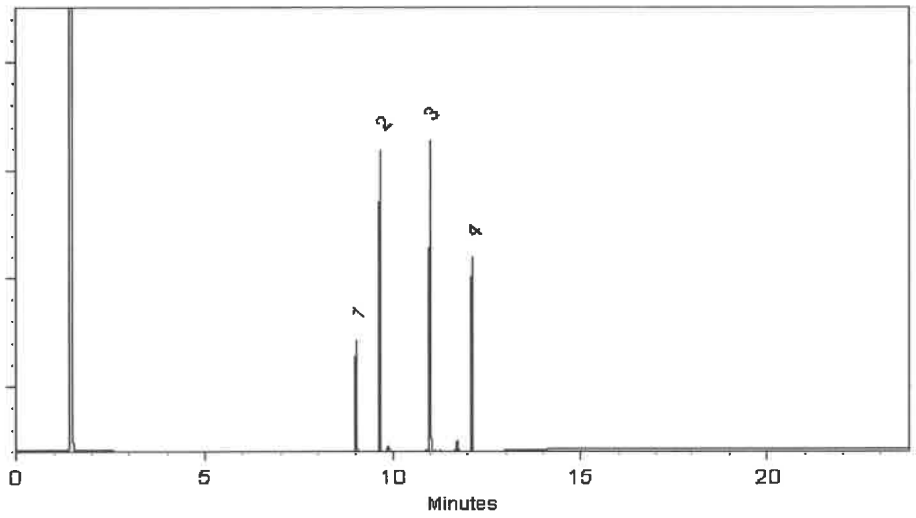
Inj. Temp:
250°C

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.

Ethan Winiarski - Operations Tech I

Date Mixed: 19-Jun-2024 **Balance Serial #** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 26-Jun-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Certificate of Analysis

chromatographic plus

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Catalog No. : 31206 **Lot No.:** A0212266

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 : April 30, 2030 **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%	2,000.6 µg/mL	+/- 90.1075
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,000.3 µg/mL	+/- 90.0925
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.4 µg/mL	+/- 90.1000
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.5 µg/mL	+/- 90.1037
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.7 µg/mL	+/- 90.1112
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.6 µg/mL	+/- 90.1075

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12645 ↓ S12674 AC 10/1/24

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Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

S12963 → S12992 AC 12/17/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 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%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302

54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

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	531243	≤ -10 °C	Methylene Chloride	1/2/2030	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	337.7.4P	997 ± 5.81
benzidine	92-87-5	99.9	124.18.6.2P	993.8 ± 5.78
caprolactam	105-60-2	99.9	271.1.6P	999 ± 5.82

S13057 ↓ S13061 AC 1/16/25

*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: 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.

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
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ALLIANCE PROJECT NO. Q3095
QUOTE NO.
COC Number 2045022 Q3097

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Resolution Consultants
ADDRESS:
CITY STATE: ZIP:
ATTENTION: Eleanor Vivadon
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: NWIRP Bethpage
PROJECT NO.: 60731872 LOCATION: Bethpage, NY
PROJECT MANAGER: Eleanor Vivadon
e-mail: Eleanor.Vivadon@aecom.com
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: Eleanor Vivadon PO#:
ADDRESS: 27 Ellis Place
CITY Ossining STATE: NY ZIP: 10562
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

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

ANALYSIS

1: VOCs 8260
2: 1,4 dioxane 8270SIM
3.
4
5
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ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
								A	F								← Specify Preservatives A-HCl D-NaOH B-HN03 E-ICE C-H2SO4 F-OTHER
1.	MW3051 - 2025090 8	GW		X	9/8	1505	3	2	1								
2.	MW179D - 20250908	GW		X	9/8	1538	3	2	1								
3.	MW201D - 20250908	GW		X	9/8	1600	3	2	1								
4.	MW179D1 - 20250908	GW		X	9/8	1630	3	2	1								
5.	MW203D2 - 20250909	GW		X	9/9	1020	~~6~~ 9	~~6~~	3								MS/MSD
6.	MW203D1 - 20250909	GW		X	9/9	1030	3	2	1								
7.	MW179D2 - 20250909	GW		X		1012	3	2	1								
8.	MW201D1 - 20250909	GW		X		1045	3	2	1								
9.	RE122D1 - 20250909	GW		X		1300	3	2	1								
10.	MW202D - 20250909	GW		X	↓	1112	3	2	1								

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. Mona Acinck	09/12/25 1320	1. 9-12-25 1320
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
2.		2.
RELINQUISHED BY SAMPLER:	DATE/TIME: 1720 9-12-25	RECEIVED BY:
3.		3.

Conditions of bottles or coolers at receipt: ❑ COMPLIANT ❑ NON COMPLIANT ❑ COOLER TEMP 3.0 °C
Comments:

Page 1 of 6

CLIENT: ❑ Hand Delivered ❑ Other

Shipment Complete ❑ YES ❑ NO

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ALLIANCE PROJECT NO. Q3095
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COC Number 2045023

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Resolution Consultants
ADDRESS:
CITY STATE: ZIP:
ATTENTION: Eleanor Vivadon
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: NWIRP Bethpage
PROJECT NO.: 60731872 LOCATION: Bethpage, NY
PROJECT MANAGER: Eleanor Vivadon
e-mail: Eleanor.vivadon@aecom.com
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: Eleanor Vivadon PO#:
ADDRESS: 27 Ellis Place
CITY Ossining STATE: NY ZIP: 10562
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

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

ANALYSIS

1: VOCs 8260 2. 1,4 dioxane 8270SIM 3. 4. 5. 6. 7. 8. 9.

PRESERVATIVES

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

COMMENTS

← Specify Preservatives

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
								A	F								
1.	MW178I1-20250909	GW		X	9/9	1300	3	2	1								
2.	RE123D1-20250909	GW		X	9/9	1340	3	2	1								
3.	RE123D3-20250909	GW		X	9/9	1355	3	2	1								
4.	MW305D-20250909	GW		X	9/9	1155	3	2	1								
5.	DUP01-20250909	GW		X	9/9	1235	3	2	1								
6.	RE126D2-20250909	GW		X	9/9	1442	3	2	1								
7.	RE126D3-20250909	GW		X	9/9	1540	3	2	1								
8.	MW178S-20250910	GW		X	9/10	0947 0948 MS	3	2	1								
9.	RE126D1-20250910	GW		X	9/10	1010	3	2	1								
10.	MW202D1-20250910	GW		X	9/10	1010	3	2	1								

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	DATE/TIME:
1. Nora Acrete	9/12/25 1320	1.	9-12-25 1320
2.		2.	
3.	9/12/25 1720	3.	

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.9 °C
Comments:

Page 2 of 6

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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ALLIANCE PROJECT NO. Q3095
QUOTE NO. Q3097
COC Number 2045024

CLIENT INFORMATION (REPORT TO BE SENT TO:)

COMPANY: Resolution Consultants
ADDRESS:
CITY STATE: ZIP:
ATTENTION: Eleanor Vivadon
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: NWIRP Bethpage
PROJECT NO.: 60731872 LOCATION: Bethpage, NY
PROJECT MANAGER: Eleanor Vivadon
e-mail: Eleanor.vivadon@aecom.com
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: Eleanor vivadon PO#:
ADDRESS: 27 Ellis Place
CITY Ossining STATE: NY ZIP: 10563
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

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

ANALYSIS

1: VOCs 8260 2: 1,4 dioxane 8270 SIM 3: 4: 5: 6: 7: 8: 9:

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES A (1)	PRESERVATIVES F (2)	3	4	5	6	7	8	9	COMMENTS
1.	RE104D2-20250910	GW		X	9/10	1045	3	2	1								
2.	MW178I-20250910	GW		X	9/10	1052	3	2	1								
3.	DUP02-20250910	GW		X	9/10	1315	3	2	1								
4.	DUP03-20250910	GW		X	9/10	1035	3	2	1								
5.	~~RE-H~~ MA RE117D1-20250910	GW		X	9/10	1300	3	2	1								
6.	RE104D3-20250910	GW		X	9/10	1305	3	2	1								
7.	RE122D2-20250910	GW		X	9/10	1315	3	2	1								
8.	RE104D1-20250910	GW		X	9/10	1115	3	2	1								
9.	TT180D-20250911	GW		X	9/11	0940	3	2	1								
10.	RE122D3-20250911	GW		X	9/11	1010	3	2	1								

PRESERVATIVES: A-HCl D-NaOH B-HN03 E-ICE C-H2SO4 F-OTHER

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. Marc Mons Achek	9/12/25 1320	1. 9-12-25 1320
2.		2.
3. 9-12-25	1720	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.1 °C
Comments:

Page 3 of 6

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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ALLIANCE PROJECT NO. Q3095
QUOTE NO. Q3097
COC Number 2045026

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Resolution Consultants
ADDRESS:
CITY STATE: ZIP:
ATTENTION: Eleanor Vivadou
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: NWIRP Bethpage
PROJECT NO.: 60731872 LOCATION: Bethpage, NY
PROJECT MANAGER: Eleanor Vivadou
e-mail: Eleanor.Vivadou@arcom.com
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: Eleanor Vivadou PO#:
ADDRESS: 27 Ellis Place
CITY Ossining STATE: NY ZIP: 10563
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

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

ANALYSIS

1: VOCs 8260 2: 1,4 dioxane 8270SIM 3: 4: 5: 6: 7: 8: 9:

PRESERVATIVES

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

COMMENTS

← Specify Preservatives

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1 (A)	2 (F)	3	4	5	6	7	8	9	COMMENTS
1.	RE103D2-20250911	GW		X	9/11	0957	9	6	3								MS/MSD
2.	RE125D1-20250911	GW		X	9/11	1055	3	2	1								
3.	RE125D3-20250911	GW		X	9/11	1125	3	2	1								
4.	RE103D3-20250911	GW		X	9/11	1112	3	2	1								
5.	RE108D2-20250911	GW		X	9/11	1155 MK	3	2	1								
6.	RE125D2-20250911	GW		X	9/11	1245	3	2	1								
7.	RE108D1-20250911	GW		X	9/11	1255	3	2	1								
8.	RE120D3-20250911	GW		X	9/11	1420	3	2	1								
9.	RE105D1-20250911	GW		X	9/11	1535	3	2	1								
10.	DUP04-20250911	GW		X	9/11	1635	3	2	1								

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. Mano Achek	09/12/25 1320	1. 9.12.25 1320
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
2.		2.
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
3.	9.12.25 1720	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.8 °C
Comments:

Page 4 of 6

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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ALLIANCE PROJECT NO. Q3095
QUOTE NO. Q3097
COC Number 2045025

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Resolution Consultants
ADDRESS:
CITY STATE: ZIP:
ATTENTION: Eleanor Vivaldo
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: NMBP Bethpage
PROJECT NO.: 60731872 LOCATION: Bethpage, NY
PROJECT MANAGER: Eleanor Vivaldo
e-mail: eleanor.vivaldo@aecom.com
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: Eleanor Vivaldo PO#:
ADDRESS: 27 Ellis Place
CITY Ossining STATE: NY ZIP: 10563
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

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

ANALYSIS

1: VOCs 8260
2: 1,4 dioxane 8270SIM
3. 4. 5. 6. 7. 8. 9.

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1 (A)	2 (F)	3	4	5	6	7	8	9	COMMENTS
1.	DUP05-20250911	GW		X	9/11	1105	3	2	1								
2.	RE105D2-20250911	GW		X	9/11	1625	3	2	1								
3.	RE117D2-20250911	GW		X	9/11	1570	3	2	1								
4.	TB01-20250911	Aq			9/11	N/A	2	2									QA/QC TBs
5.	TB02-20250911	Aq			9/11	N/A	2	2									QA/QC TBs
6.	TB03-20250911	Aq			9/11	N/A	2	2									QA/QC TBs
7.	TB04-20250911	Aq			9/11	N/A	2	2									QA/QC TBs
8.	TB05-20250912	Aq			9/12	N/A	2	2									
9.	RE120D1-20250912	GW		X	9/12	0952	3	2	1								
10.	DUP06-20250912	GW		X	9/12	1140	3	2	1								

PRESERVATIVES: A-HCl, B-HN03, C-H2SO4, D-NaOH, E-ICE, F-OTHER

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. Mona Achek	9/12/25 1320	1. 9-12-25 1320
2.	DATE/TIME:	2.
3.	9-12-25 1720	3.

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

Page 5 of 6

CLIENT: ❑ Hand Delivered ❑ Other

Shipment Complete ❑ YES ❑ NO

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ALLIANCE PROJECT NO. Q3095
QUOTE NO. Q3097
COC Number 2045027

CLIENT INFORMATION (REPORT TO BE SENT TO:)

COMPANY: Resolution Consultants
ADDRESS:
CITY: STATE: ZIP:
ATTENTION: Eleanor Vivadon
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: NWIRP Bethpage
PROJECT NO.: 60731872 LOCATION: Bethpage
PROJECT MANAGER: Eleanor Vivadon
e-mail: eleanor.vivadon@aecom.com
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: Eleanor Vivadon PO#:
ADDRESS: 27 Ellis Place
CITY Ossining STATE: NY ZIP: 10562
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

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

ANALYSIS

1: VOCs 8260
2: 1,4-dioxane 8270SIM
3.
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ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1 (A)	PRESERVATIVES 2 (F)	3	4	5	6	7	8	9	COMMENTS
1.	RE120D2-20250912	GW		X	9/12	~~0954~~ 0955	3	2	1								
2.	RE134D1-20250912	GW		X	9/12	0955	3	2	1								
3.	RE134D4-20250912	GW		X	9/12	1010	3	2	1								
4.	RE134D2-20250912	GW		X	9/12	0950	3	2	1								
5.	RE134D3-20250912	GW		X	9/12	1030	3	2	1								
6.	EB01-20250912	~~GW~~ AQ		X	9/12	0822	3	2	1								Equipment Blank
7.																	
8.																	
9.																	
10.																	

PRESERVATIVES: A-HCl, B-HNO3, C-H2SO4, D-NaOH, E-ICE, F-OTHER

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. Mario Acick	9/12-25 1320	1. 9.12.25 1320
2.	DATE/TIME:	2.
3.	DATE/TIME: 9-12-25 1720	RECEIVED BY: 3.

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

Page 6 of 6

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3095 AECO15
Client Name : AECOM Technical Services
Client Contact : Eleanor Vivadou
Invoice Name : AECOM Technical Services
Invoice Contact : Eleanor Vivadou

Order Date : 9/12/2025 12:38:00 PM
Project Name : NAVFAC NWIRP Bethpage
Receive DateTime : 9/12/2025 5:20:00 PM
Purchase Order :

Project Mgr : Yazmeen
Report Type : ~~Results Only~~ NYS ASP B
EDD Type : EQUIS
Hard Copy Date :
Date Signoff : 9/15/2025 10:00:04 AM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3095-01	MW~~30S1~~-20250908 305I	Water	09/08/2025	15:05	VOCMS Group1		8260-Low		10 Bus. Days
Q3095-02	MW179D-20250908	Water	09/08/2025	15:38	VOCMS Group1		8260-Low		10 Bus. Days
Q3095-03	MW201D-20250908	Water	09/08/2025	16:00	VOCMS Group1		8260-Low		10 Bus. Days
Q3095-04	MW179D1-20250908	Water	09/08/2025	16:30	VOCMS Group1		8260-Low		10 Bus. Days
Q3095-05	MW203D2-20250909	Water	09/09/2025	10:20	VOCMS Group1		8260-Low		10 Bus. Days
Q3095-06	Q3095-05MS	Water	09/09/2025	10:20	VOCMS Group1		8260-Low		10 Bus. Days
Q3095-07	Q3095-05MSD	Water	09/09/2025	10:20	VOCMS Group1		8260-Low		10 Bus. Days
Q3095-08	MW203D1-20250909	Water	09/09/2025	10:30					

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Receive DateTime : 9/12/2025 5:20:00 PM
Purchase Order :

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Hard Copy Date :
Date Signoff : 9/15/2025 10:00:04 AM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
					VOCMS Group1		8260-Low		10 Bus. Days
Q3095-09	MW179D2-20250909	Water	09/09/2025	10:12					
					VOCMS Group1		8260-Low		10 Bus. Days
Q3095-10	MW201D1-20250909	Water	09/09/2025	10:45					
					VOCMS Group1		8260-Low		10 Bus. Days
Q3095-11	RE122D1-20250909	Water	09/09/2025	13:00					
					VOCMS Group1		8260-Low		10 Bus. Days
Q3095-12	MW202D-20250909	Water	09/09/2025	11:12					
					VOCMS Group1		8260-Low		10 Bus. Days
Q3095-13	MW178I1-20250909	Water	09/09/2025	13:00					
					VOCMS Group1		8260-Low		10 Bus. Days
Q3095-14	RE123D1-20250909	Water	09/09/2025	13:40					
					VOCMS Group1		8260-Low		10 Bus. Days
Q3095-15	RE123D3-20250909	Water	09/09/2025	13:55					
					VOCMS Group1		8260-Low		10 Bus. Days

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Purchase Order :

Project Mgr : Yazmeen
Report Type : ~~Results Only~~ NYS ASP B
EDD Type : EQUIS
Hard Copy Date :
Date Signoff : 9/15/2025 10:00:04 AM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3095-16	MW305D-20250909	Water	09/09/2025	11:55					
					VOCMS Group1		8260-Low		10 Bus. Days
Q3095-17	DUP01-20250909	Water	09/09/2025	12:35					
					VOCMS Group1		8260-Low		10 Bus. Days
Q3095-18	RE126D2-20250909	Water	09/09/2025	14:42					
					VOCMS Group1		8260-Low		10 Bus. Days
Q3095-19	RE126D3-20250909	Water	09/09/2025	15:40					
					VOCMS Group1		8260-Low		10 Bus. Days
Q3095-20	MW178S-20250910	Water	09/10/2025	09:47					
					VOCMS Group1		8260-Low		10 Bus. Days
Q3095-21	RE126D1-20250910	Water	09/10/2025	10:10					
					VOCMS Group1		8260-Low		10 Bus. Days
Q3095-22	MW202D1-20250910	Water	09/10/2025	10:10					
					VOCMS Group1		8260-Low		10 Bus. Days
Q3095-23	RE104D2-20250910	Water	09/10/2025	10:45					

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Project Name : NAVFAC NWIRP Bethpage
Receive DateTime : 9/12/2025 5:20:00 PM
Purchase Order :

Project Mgr : Yazmeen
Report Type : ~~Results Only~~ NYS ASP B
EDD Type : EQUIS
Hard Copy Date :
Date Signoff : 9/15/2025 10:00:04 AM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
					VOCMS Group1		8260-Low	10 Bus. Days	
Q3095-24	MW178I-20250910	Water	09/10/2025	10:52					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q3095-25	DUP02-20250910	Water	09/10/2025	13:15					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q3095-26	~~DUP0-20250910-~~ DUP03-20250910	Water	09/10/2025	10:35					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q3095-27	RE117D1-20250910	Water	09/10/2025	13:00					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q3095-28	RE104D3-20250910	Water	09/10/2025	13:05					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q3095-29	RE122D2-20250910	Water	09/10/2025	13:15					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q3095-30	RE104D1-20250910	Water	09/10/2025	11:15					
					VOCMS Group1		8260-Low	10 Bus. Days	

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Project Name : NAVFAC NWIRP Bethpage
Receive DateTime : 9/12/2025 5:20:00 PM
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Project Mgr : Yazmeen
Report Type : ~~Results Only~~ NYS ASP B
EDD Type : EQUIS
Hard Copy Date :
Date Signoff : 9/15/2025 10:00:04 AM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3095-31	TT180D-20250911	Water	09/11/2025	09:40					
					VOCMS Group1		8260-Low		10 Bus. Days
Q3095-32	RE122D3-20250911	Water	09/11/2025	10:10					
					VOCMS Group1		8260-Low		10 Bus. Days
Q3095-33	TB01-20250911	Water	09/11/2025	00:00					
					VOCMS Group1		8260-Low		10 Bus. Days
Q3095-34	TB02-20250911	Water	09/11/2025	00:00					
					VOCMS Group1		8260-Low		10 Bus. Days

Relinguished By : [signature]
Date / Time : 9/15/25 1250

Received By : [signature]
Date / Time : 09/15/25 12:50
Storage Area : VOA Refridgerator Room

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091125\
Data File : BN037692.D
Acq On : 11 Sep 2025 10:32
Operator : RC/JU
Sample : SSTDICC0.2
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Quant Time: Sep 11 14:05:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:02:44 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.840	152	5547	0.400	ng		0.00
7) Naphthalene-d8	10.648	136	15018	0.400	ng		0.00
13) Acenaphthene-d10	14.494	164	6952	0.400	ng		0.00
19) Phenanthrene-d10	17.235	188	12385	0.400	ng		0.00
29) Chrysene-d12	21.420	240	9324	0.400	ng		0.00
35) Perylene-d12	23.753	264	9364	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.399	112	2533	0.199	ng		0.00
5) Phenol-d6	6.988	99	3308	0.200	ng		0.00
8) Nitrobenzene-d5	8.993	82	2098	0.191	ng		0.00
11) 2-Methylnaphthalene-d10	12.243	152	3732	0.188	ng		0.00
14) 2,4,6-Tribromophenol	15.982	330	340	0.188	ng		0.00
15) 2-Fluorobiphenyl	13.115	172	5791	0.199	ng		0.00
27) Fluoranthene-d10	19.271	212	5492	0.177	ng		0.00
31) Terphenyl-d14	19.870	244	3884	0.205	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.304	88	1189	0.206	ng		99
3) n-Nitrosodimethylamine	3.608	42	1470	0.195	ng	#	93
6) bis(2-Chloroethyl)ether	7.255	93	2982	0.202	ng		100
9) Naphthalene	10.701	128	8051	0.196	ng		99
10) Hexachlorobutadiene	11.000	225	1472	0.198	ng	#	100
12) 2-Methylnaphthalene	12.314	142	4889	0.193	ng		100
16) Acenaphthylene	14.216	152	6105	0.191	ng		98
17) Acenaphthene	14.559	154	4168	0.193	ng		98
18) Fluorene	15.535	166	4875	0.187	ng		97
20) 4,6-Dinitro-2-methylph...	15.609	198	201	0.175	ng	#	58
21) 4-Bromophenyl-phenylether	16.441	248	1560	0.193	ng		97
22) Hexachlorobenzene	16.553	284	1906	0.205	ng		99
23) Atrazine	16.702	200	932	0.181	ng		96
24) Pentachlorophenol	16.888	266	461	0.171	ng		98
25) Phenanthrene	17.285	178	7526	0.193	ng		98
26) Anthracene	17.372	178	6375	0.185	ng		99
28) Fluoranthene	19.299	202	7577	0.177	ng		100
30) Pyrene	19.661	202	7543	0.207	ng		99
32) Benzo(a)anthracene	21.402	228	6270	0.193	ng		99
33) Chrysene	21.456	228	6953	0.199	ng		98
34) Bis(2-ethylhexyl)phtha...	21.348	149	2049	0.213	ng	#	97
36) Indeno(1,2,3-cd)pyrene	26.142	276	6982	0.177	ng		99
37) Benzo(b)fluoranthene	23.046	252	6907	0.187	ng	#	93
38) Benzo(k)fluoranthene	23.046	252	6907	0.184	ng		94
39) Benzo(a)pyrene	23.651	252	5489	0.186	ng	#	92
40) Dibenzo(a,h)anthracene	26.165	278	5503	0.175	ng	#	90
41) Benzo(g,h,i)perylene	26.864	276	6566	0.186	ng		95

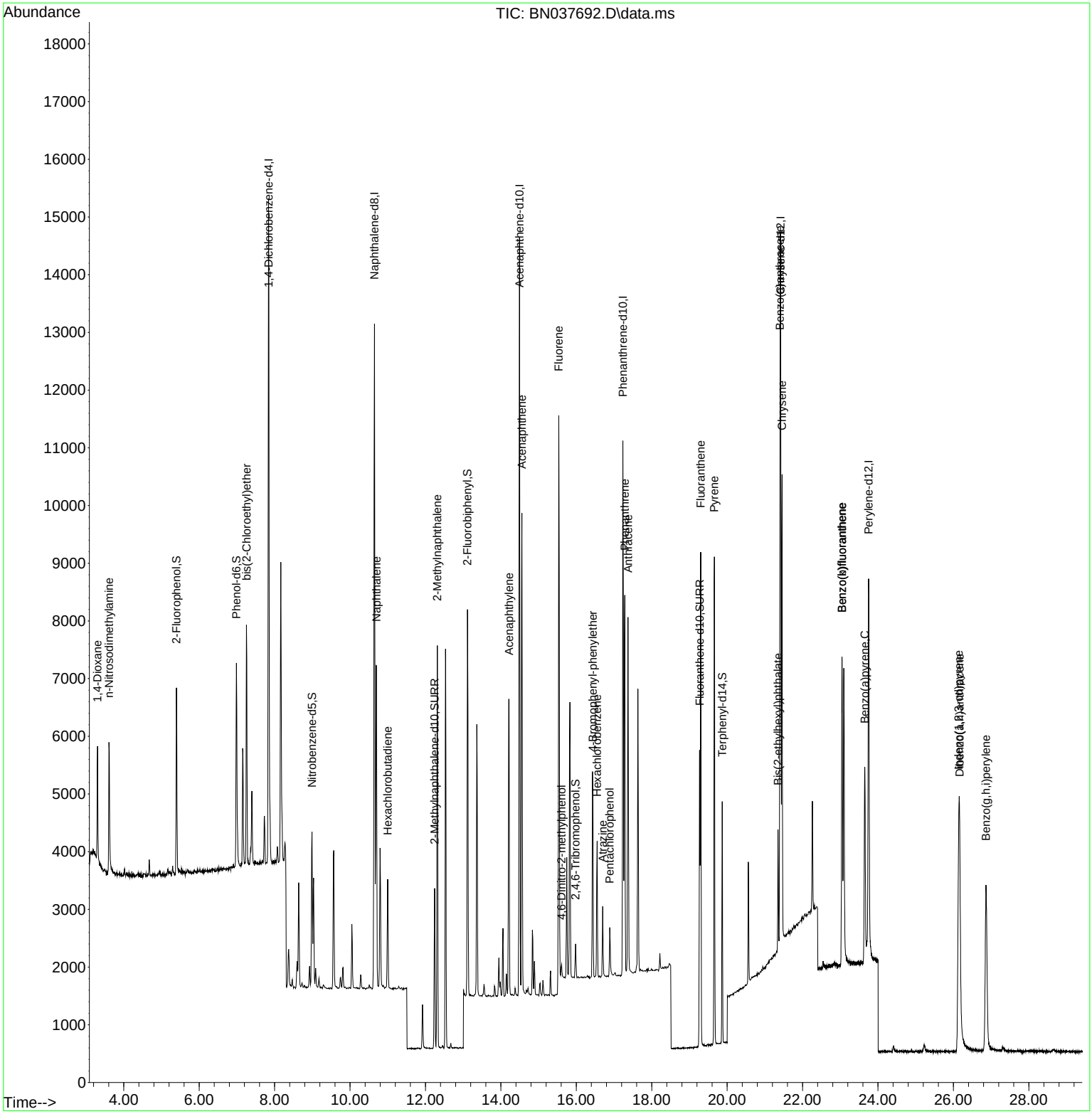
(#) = qualifier out of range (m) = manual integration (+) = signals summed

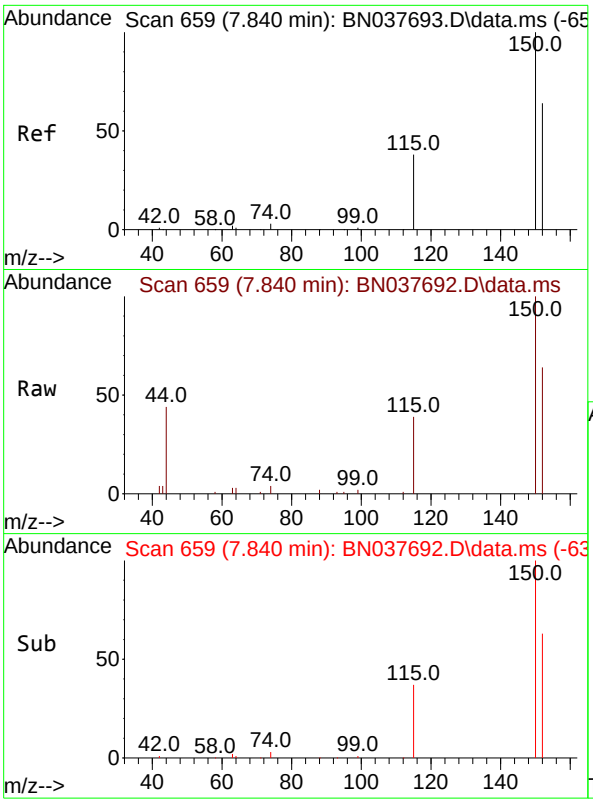
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091125\
Data File : BN037692.D
Acq On : 11 Sep 2025 10:32
Operator : RC/JU
Sample : SSTDICC0.2
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Quant Time: Sep 11 14:05:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:02:44 2025
Response via : Initial Calibration



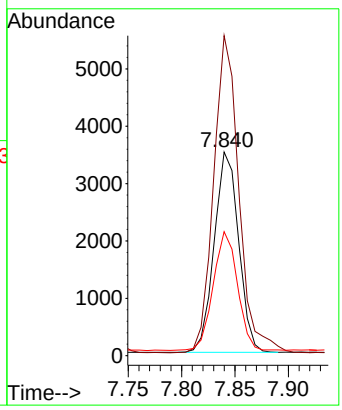


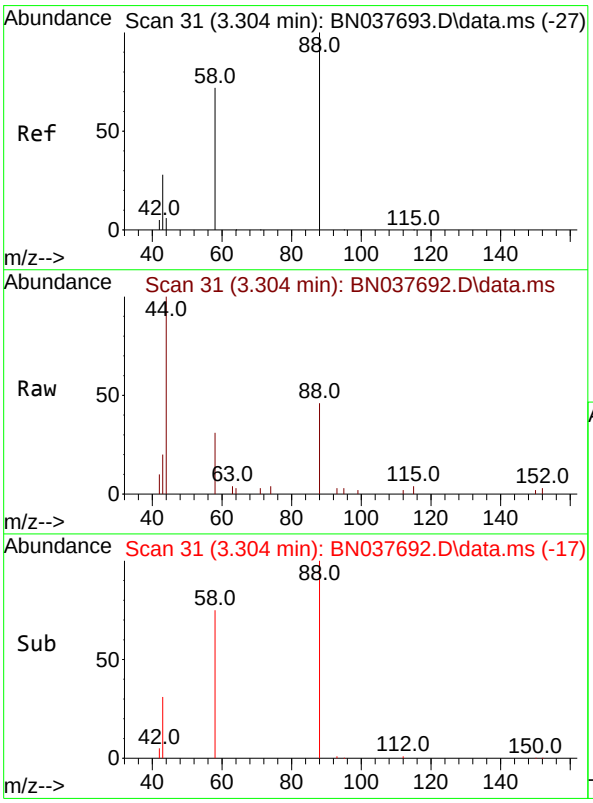
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.840 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:152 Resp: 5547

Ion	Ratio	Lower	Upper
152	100		
150	157.2	124.5	186.7
115	60.9	49.2	73.8

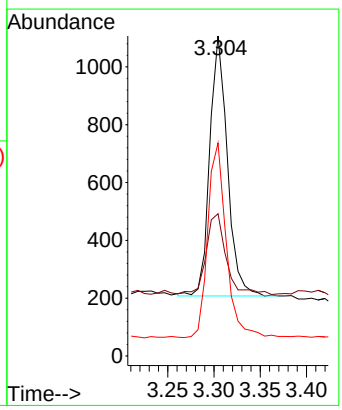


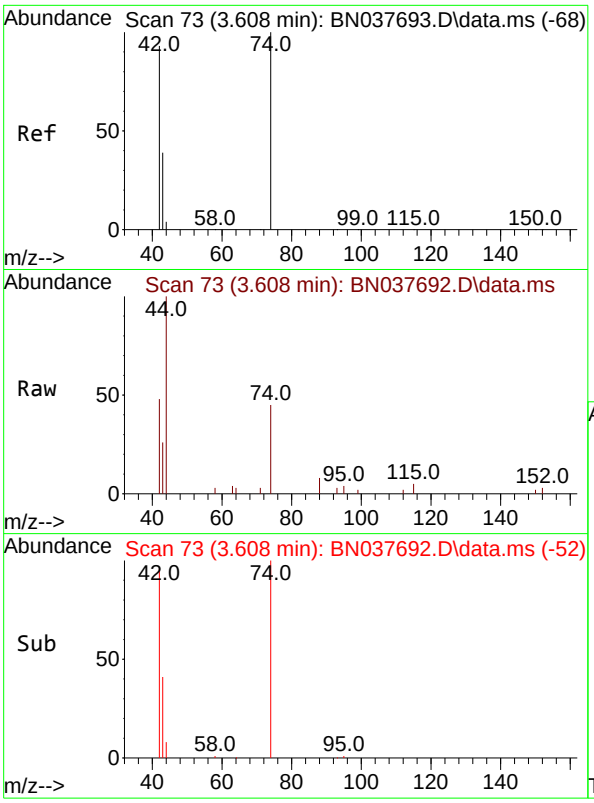


#2
1,4-Dioxane
Concen: 0.206 ng
RT: 3.304 min Scan# 31
Delta R.T. -0.000 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Tgt Ion: 88 Resp: 1189

Ion	Ratio	Lower	Upper
88	100		
43	34.1	26.8	40.2
58	78.4	61.9	92.9



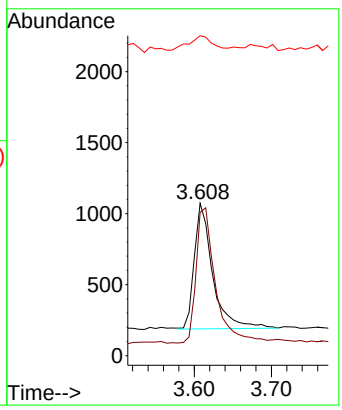


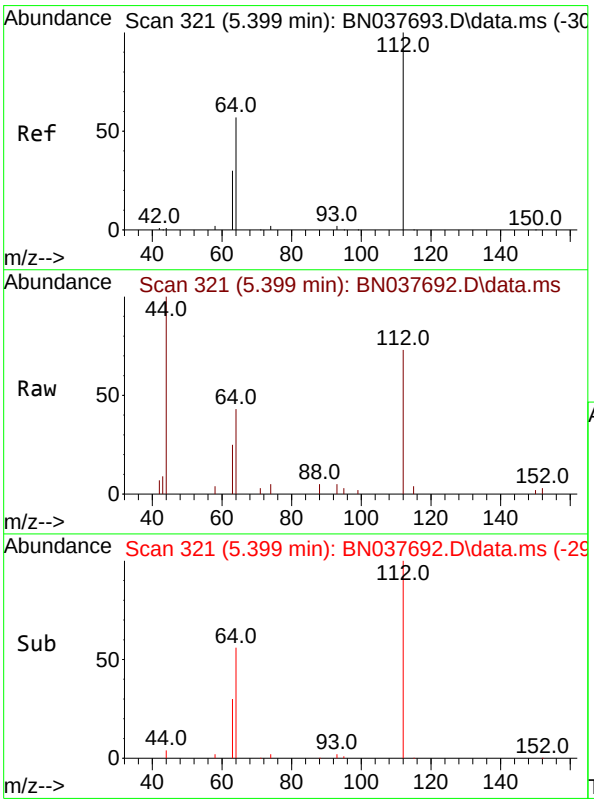
#3
n-Nitrosodimethylamine
Concen: 0.195 ng
RT: 3.608 min Scan# 7
Delta R.T. -0.000 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion: 42 Resp: 1470

Ion	Ratio	Lower	Upper
42	100		
74	113.6	86.0	129.0
44	16.2	8.4	12.6#

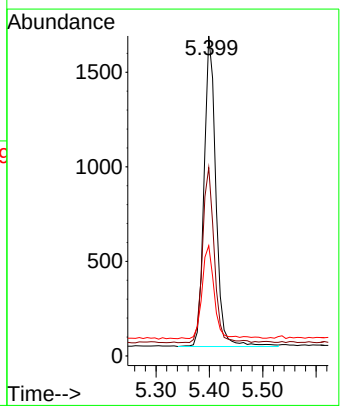


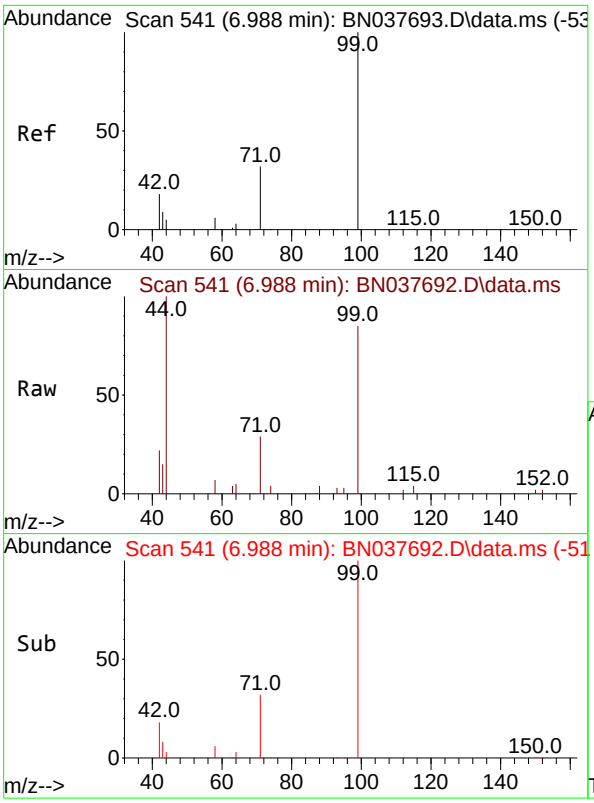


#4
2-Fluorophenol
Concen: 0.199 ng
RT: 5.399 min Scan# 321
Delta R.T. -0.000 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Tgt Ion:112 Resp: 2533

Ion	Ratio	Lower	Upper
112	100		
64	55.5	44.9	67.3
63	30.4	24.7	37.1



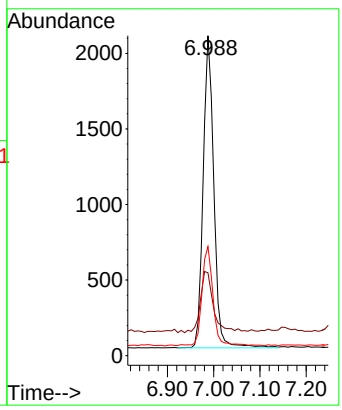


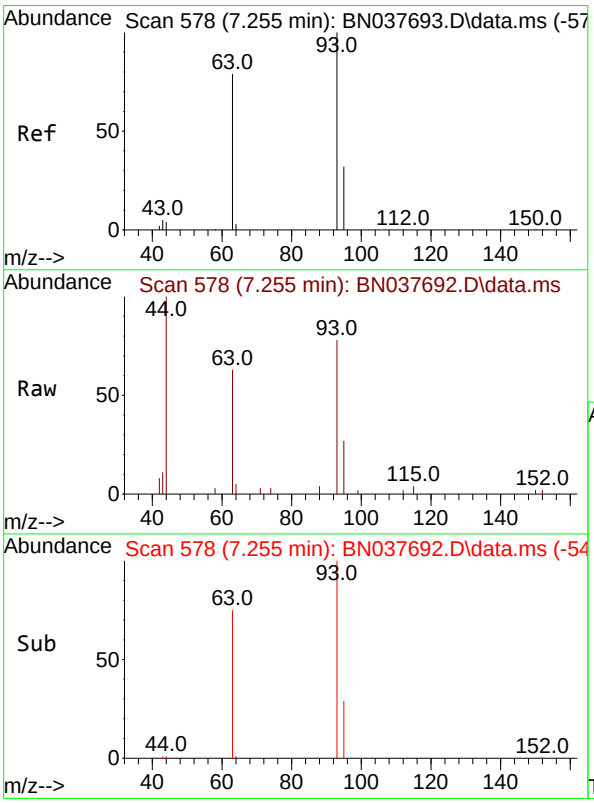
#5
Phenol-d6
Concen: 0.200 ng
RT: 6.988 min Scan# 54
Delta R.T. -0.000 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion: 99 Resp: 3308

Ion	Ratio	Lower	Upper
99	100		
42	24.3	16.6	24.8
71	32.8	26.7	40.1

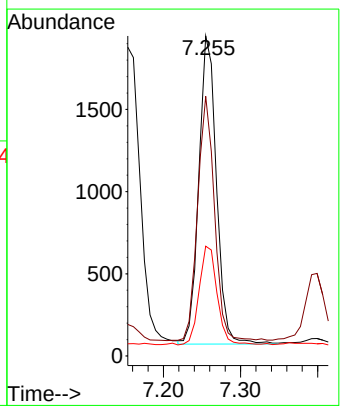


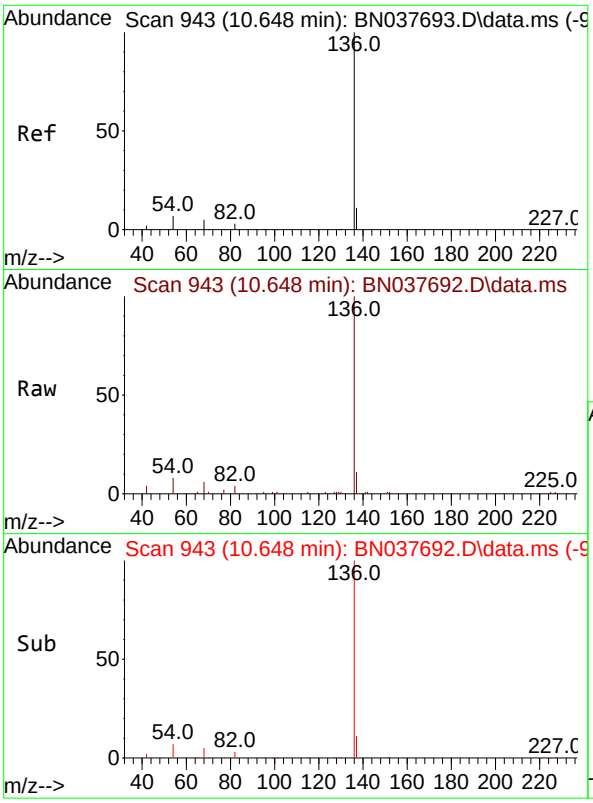


#6
bis(2-Chloroethyl)ether
Concen: 0.202 ng
RT: 7.255 min Scan# 578
Delta R.T. -0.000 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Tgt Ion: 93 Resp: 2982

Ion	Ratio	Lower	Upper
93	100		
63	75.7	60.6	90.8
95	32.5	26.0	39.0



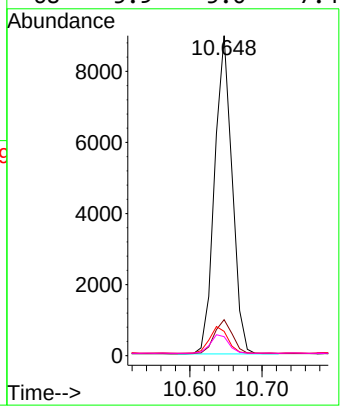


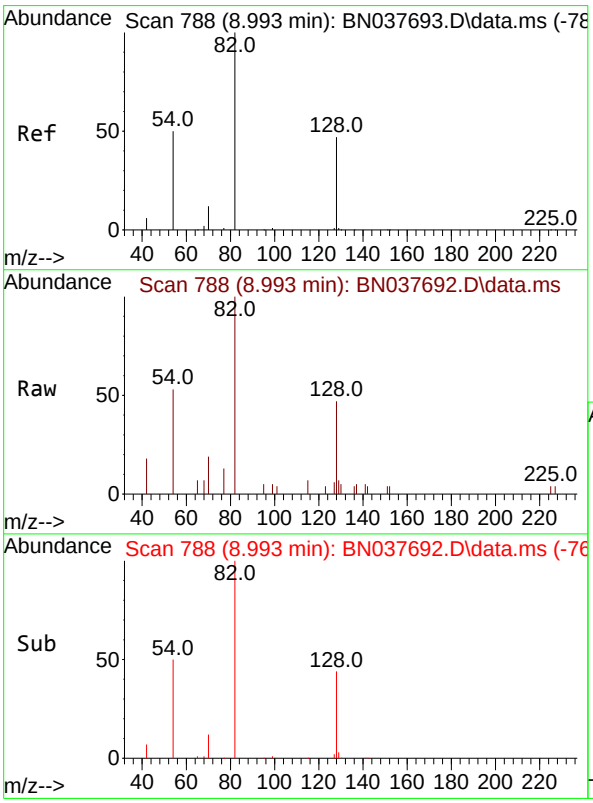
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.648 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:136 Resp: 15018

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	7.6	6.3	9.5
68	5.9	5.0	7.4

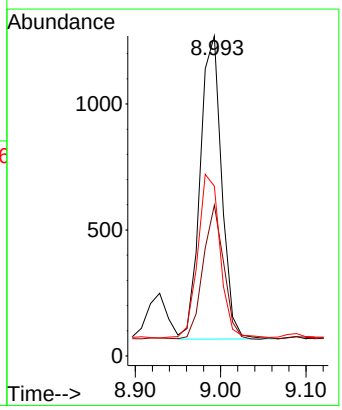


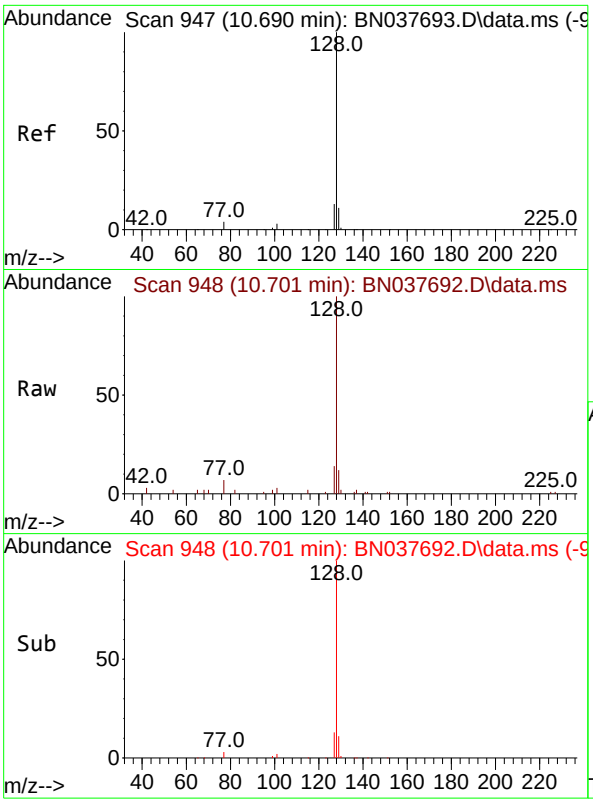


#8
Nitrobenzene-d5
Concen: 0.191 ng
RT: 8.993 min Scan# 788
Delta R.T. -0.000 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Tgt Ion: 82 Resp: 2098

Ion	Ratio	Lower	Upper
82	100		
128	47.2	38.3	57.5
54	53.1	41.4	62.2



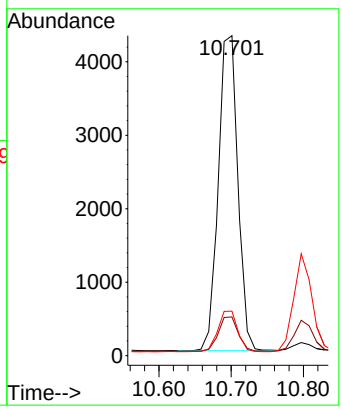


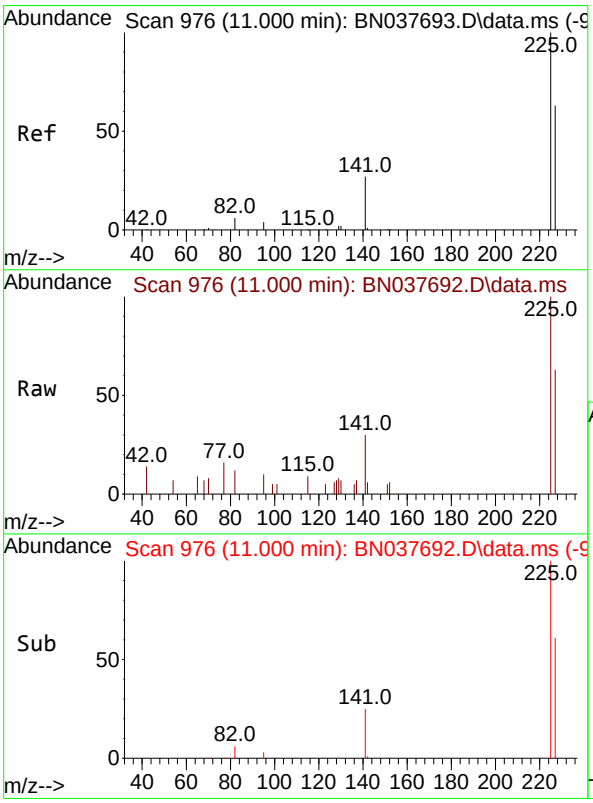
#9
Naphthalene
Concen: 0.196 ng
RT: 10.701 min Scan# 94
Delta R.T. 0.011 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:128 Resp: 8051

Ion	Ratio	Lower	Upper
128	100		
129	12.1	9.1	13.7
127	13.9	10.9	16.3

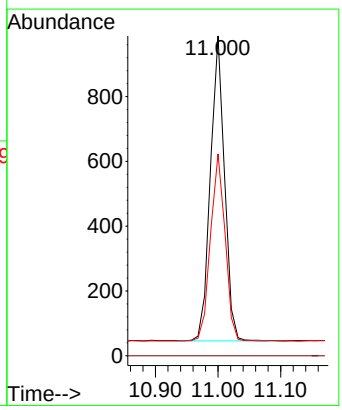


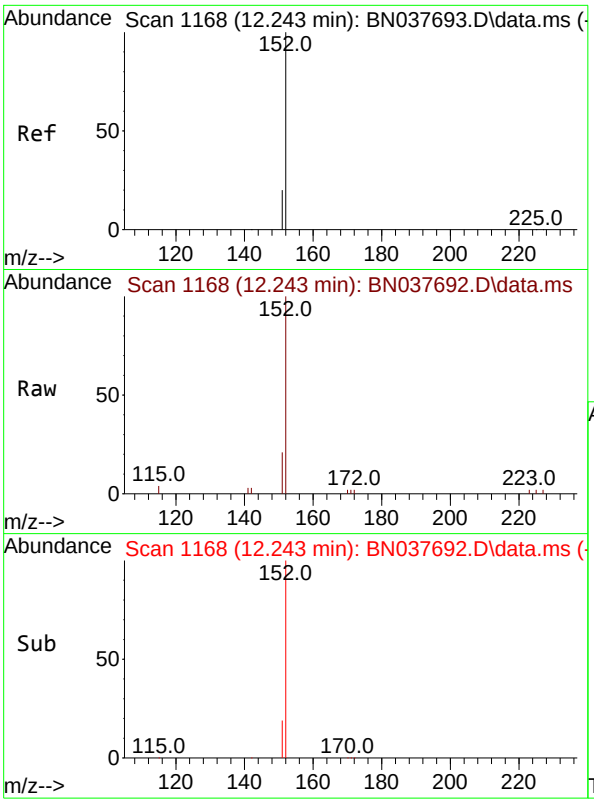


#10
Hexachlorobutadiene
Concen: 0.198 ng
RT: 11.000 min Scan# 976
Delta R.T. -0.000 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Tgt Ion:225 Resp: 1472

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.2	50.9	76.3



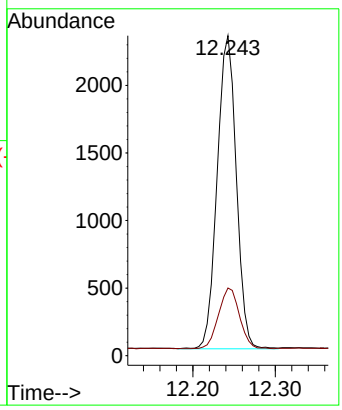


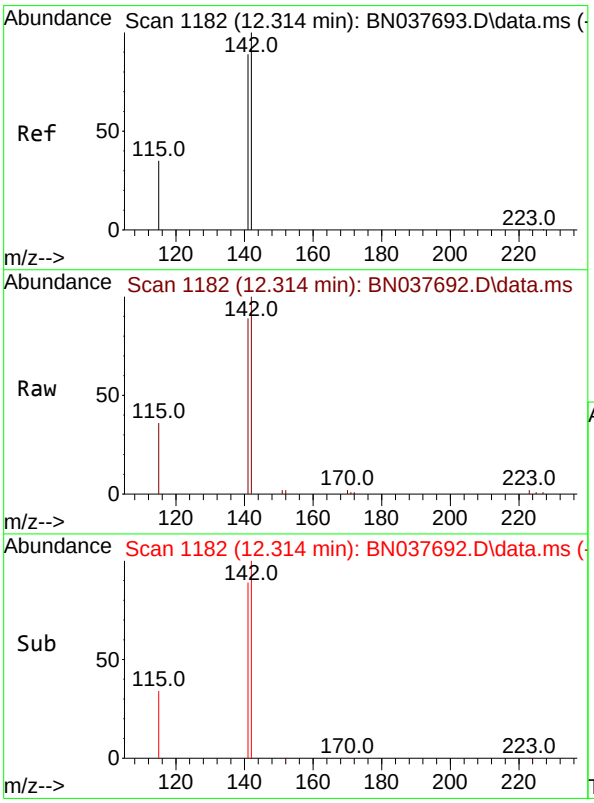
#11
2-Methylnaphthalene-d10
Concen: 0.188 ng
RT: 12.243 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:152 Resp: 3732

Ion	Ratio	Lower	Upper
152	100		
151	21.2	17.0	25.6

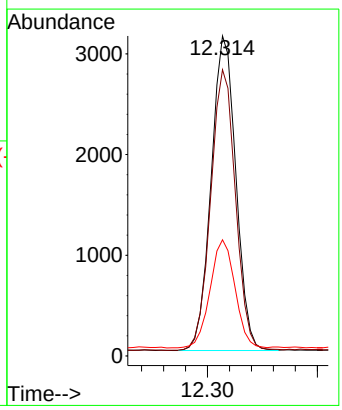


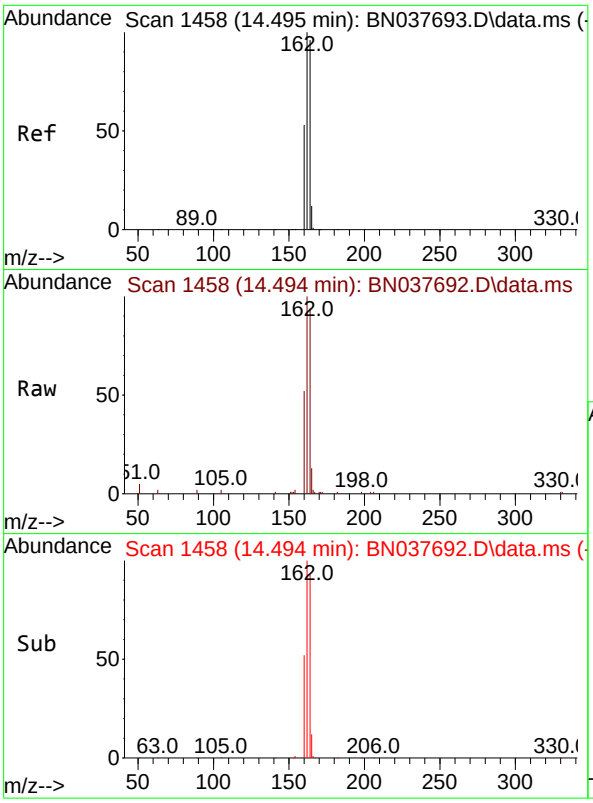


#12
2-Methylnaphthalene
Concen: 0.193 ng
RT: 12.314 min Scan# 1182
Delta R.T. -0.000 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Tgt Ion:142 Resp: 4889

Ion	Ratio	Lower	Upper
142	100		
141	89.5	71.6	107.4
115	36.3	28.6	43.0



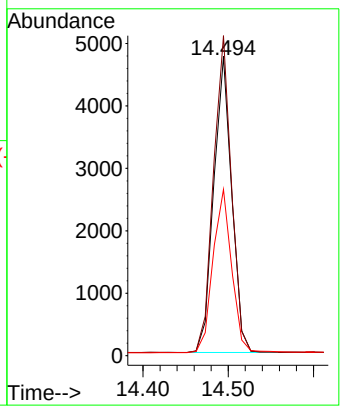


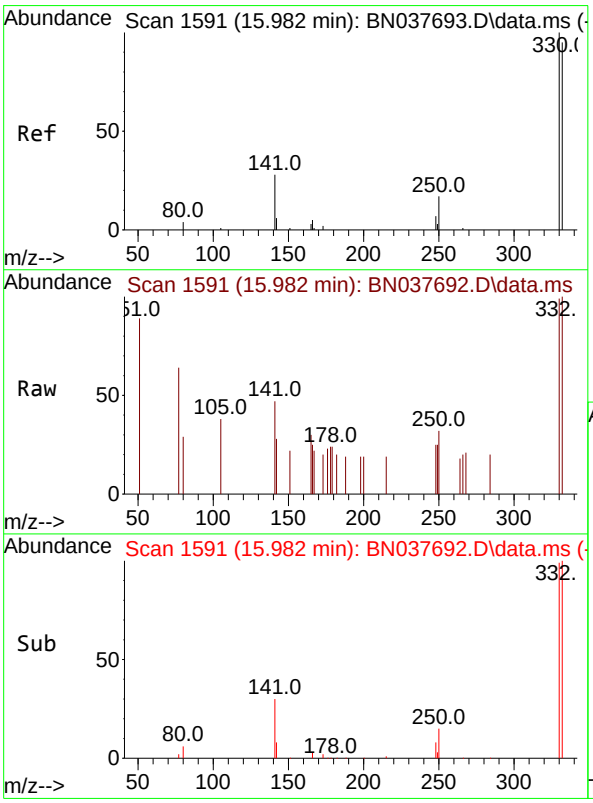
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.494 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:164 Resp: 6952

Ion	Ratio	Lower	Upper
164	100		
162	106.9	83.1	124.7
160	55.5	44.3	66.5

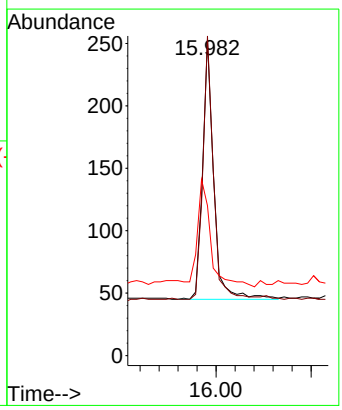


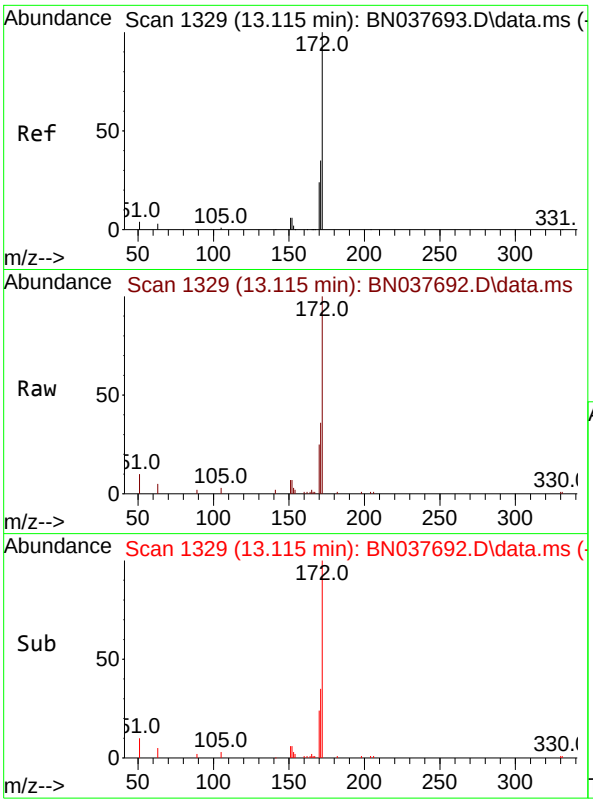


#14
2,4,6-Tribromophenol
Concen: 0.188 ng
RT: 15.982 min Scan# 1591
Delta R.T. -0.000 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Tgt Ion:330 Resp: 340

Ion	Ratio	Lower	Upper
330	100		
332	95.6	75.3	112.9
141	49.4	35.0	52.4



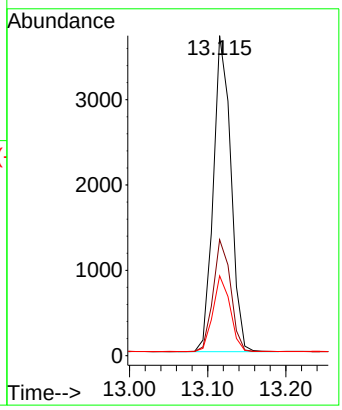


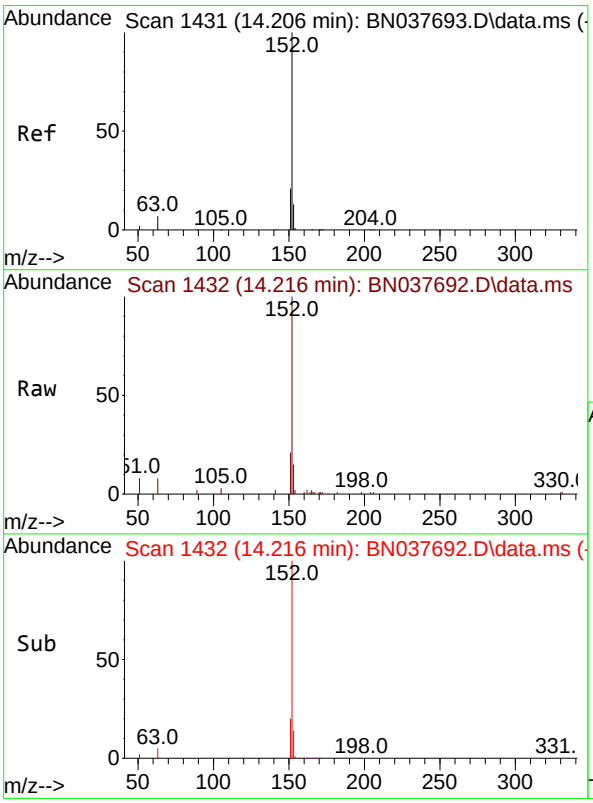
#15
2-Fluorobiphenyl
Concen: 0.199 ng
RT: 13.115 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:172 Resp: 5791

Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.6	43.0
170	24.9	19.8	29.8

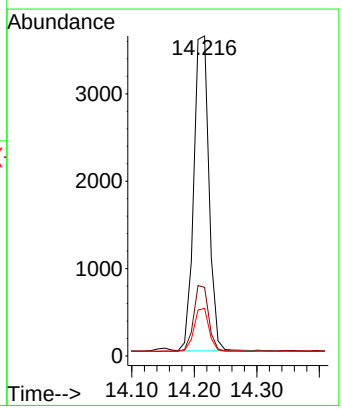


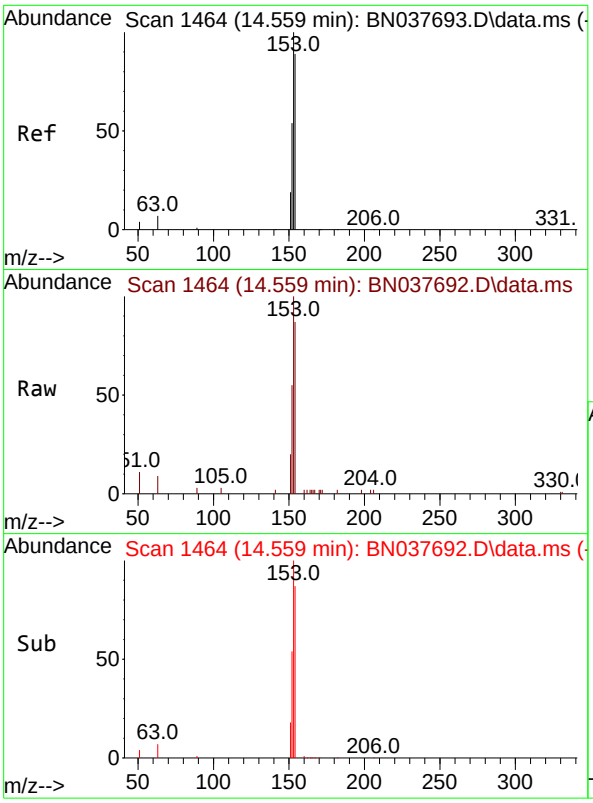


#16
Acenaphthylene
Concen: 0.191 ng
RT: 14.216 min Scan# 1432
Delta R.T. 0.011 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Tgt Ion:152 Resp: 6105

Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.2	24.2
153	13.8	10.4	15.6



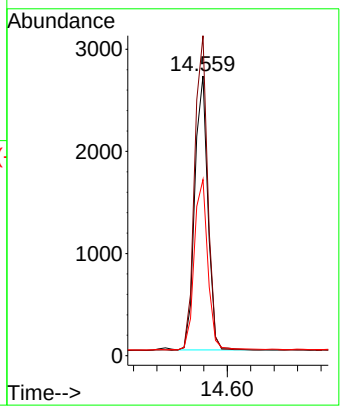


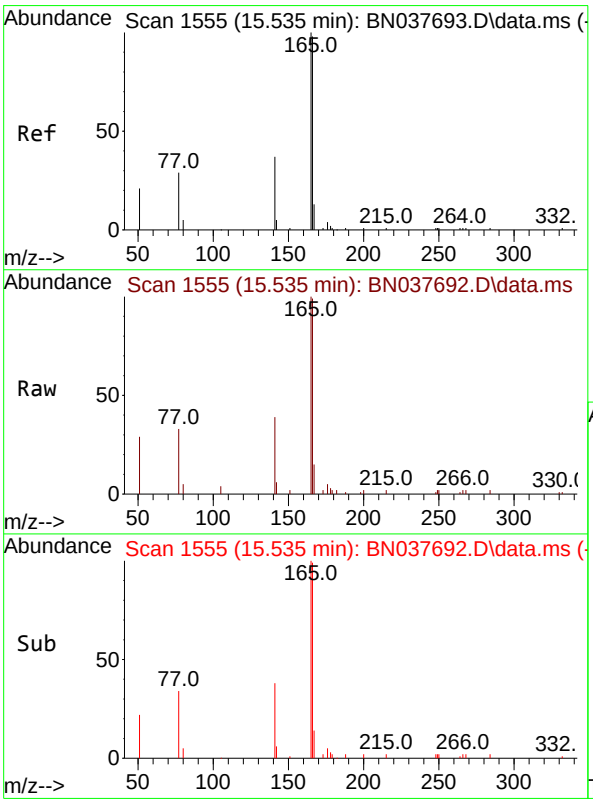
#17
Acenaphthene
Concen: 0.193 ng
RT: 14.559 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:154 Resp: 4168

Ion	Ratio	Lower	Upper
154	100		
153	114.9	89.8	134.8
152	64.4	50.2	75.2

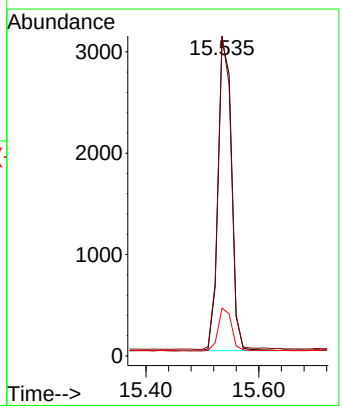


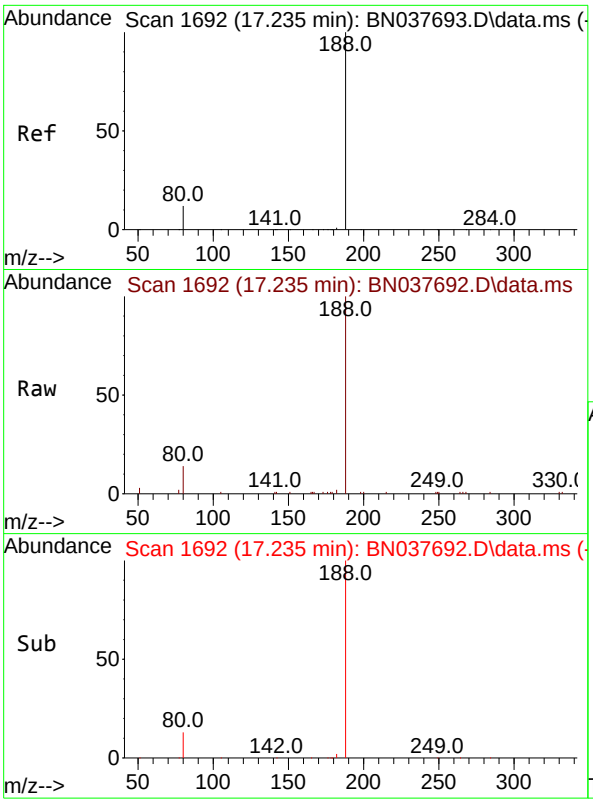


#18
Fluorene
Concen: 0.187 ng
RT: 15.535 min Scan# 1555
Delta R.T. -0.000 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Tgt Ion:166 Resp: 4875

Ion	Ratio	Lower	Upper
166	100		
165	102.3	79.6	119.4
167	14.5	10.6	16.0



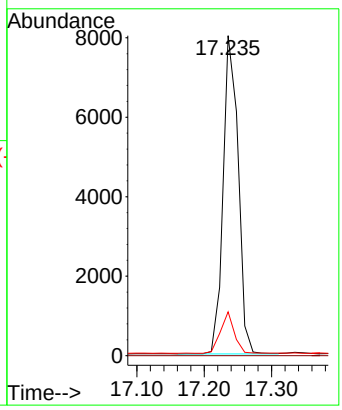


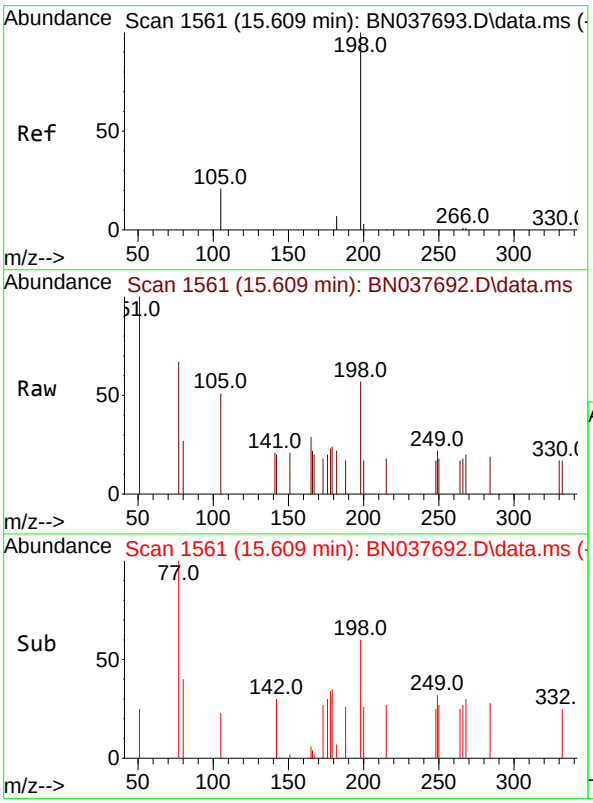
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.235 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:188 Resp: 12385

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	13.7	10.6	15.8

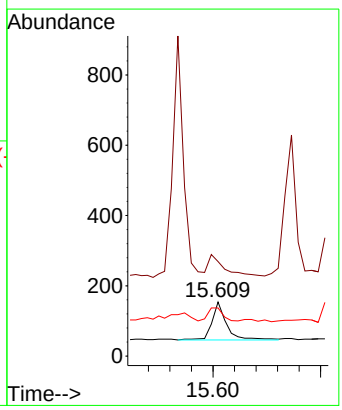


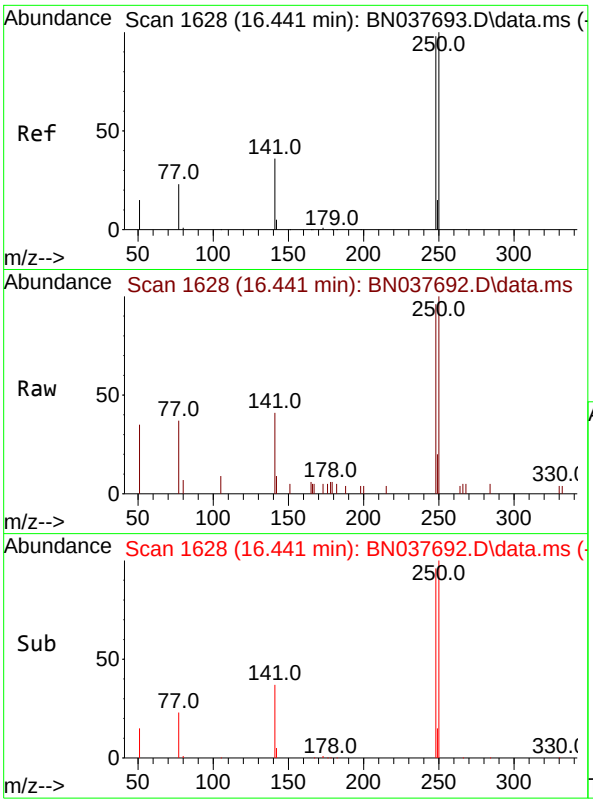


#20
4,6-Dinitro-2-methylphenol
Concen: 0.175 ng
RT: 15.609 min Scan# 1561
Delta R.T. 0.000 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Tgt Ion:198 Resp: 201

Ion	Ratio	Lower	Upper
198	100		
51	174.7	95.1	142.7#
105	89.0	53.8	80.6#



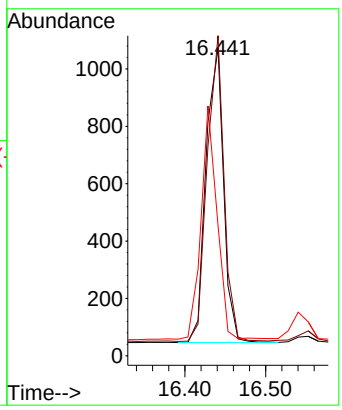


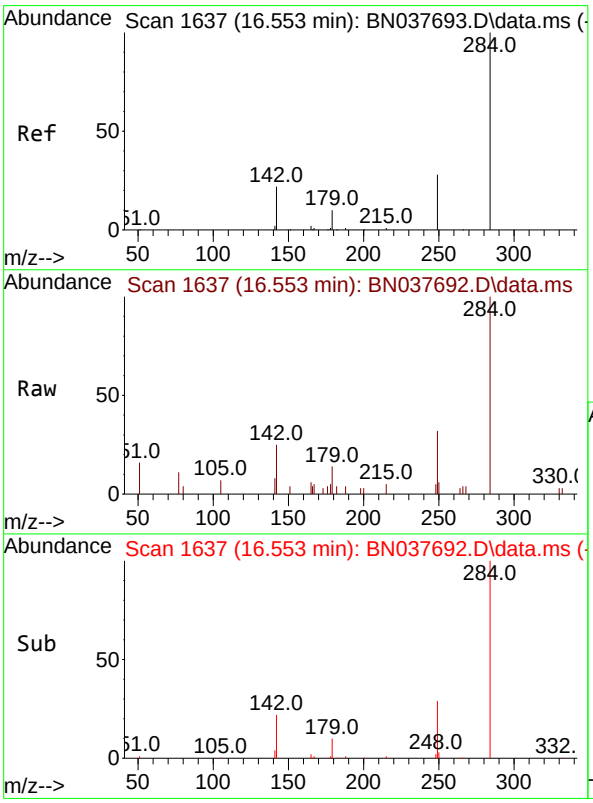
#21
4-Bromophenyl-phenylether
Concen: 0.193 ng
RT: 16.441 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:248 Resp: 1560

Ion	Ratio	Lower	Upper
248	100		
250	104.0	81.5	122.3
141	42.3	30.8	46.2

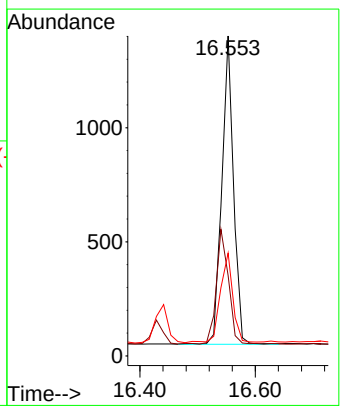


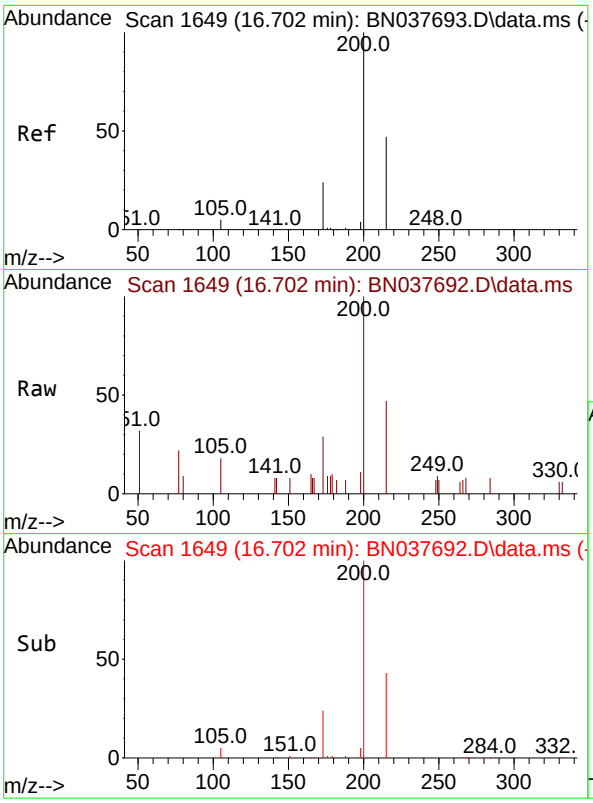


#22
Hexachlorobenzene
Concen: 0.205 ng
RT: 16.553 min Scan# 1637
Delta R.T. -0.000 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Tgt Ion:284 Resp: 1906

Ion	Ratio	Lower	Upper
284	100		
142	38.4	30.9	46.3
249	31.4	24.8	37.2



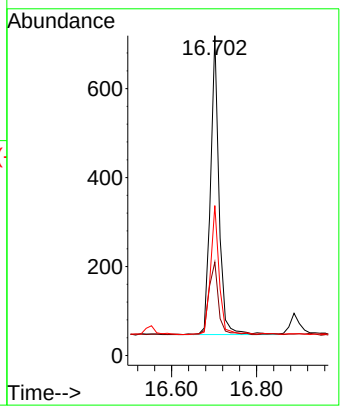


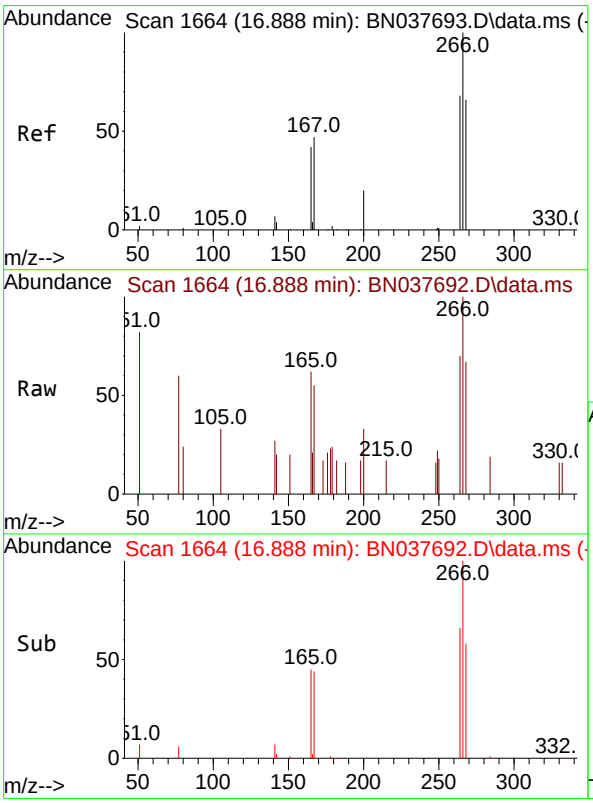
#23
Atrazine
Concen: 0.181 ng
RT: 16.702 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:200 Resp: 932

Ion	Ratio	Lower	Upper
200	100		
173	29.2	21.4	32.2
215	46.9	39.2	58.8

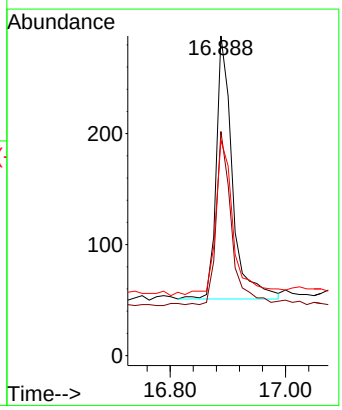


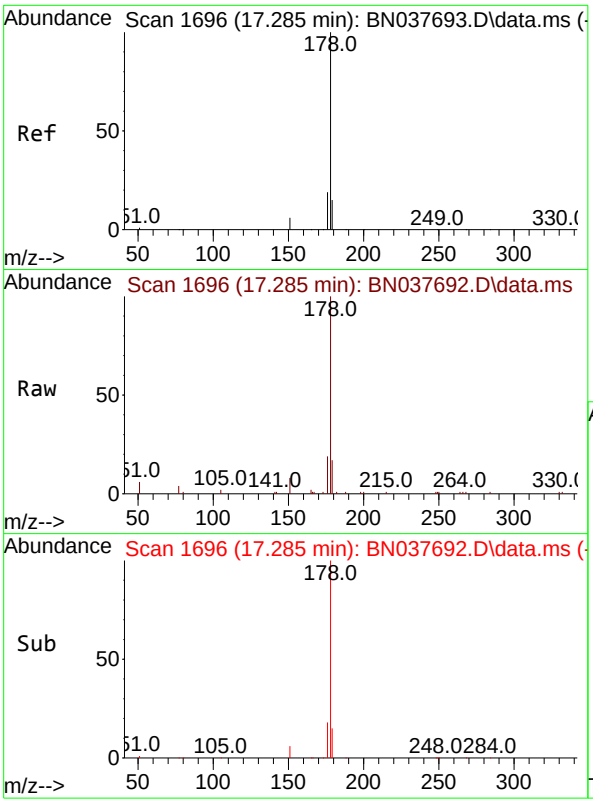


#24
Pentachlorophenol
Concen: 0.171 ng
RT: 16.888 min Scan# 1664
Delta R.T. -0.000 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Tgt Ion:266 Resp: 461

Ion	Ratio	Lower	Upper
266	100		
264	61.6	51.6	77.4
268	67.5	53.2	79.8



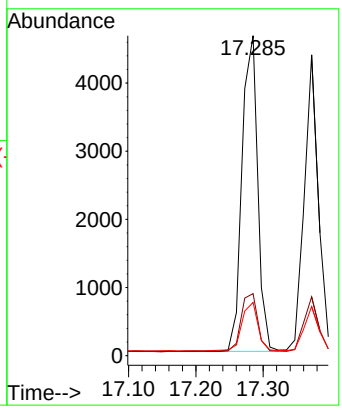


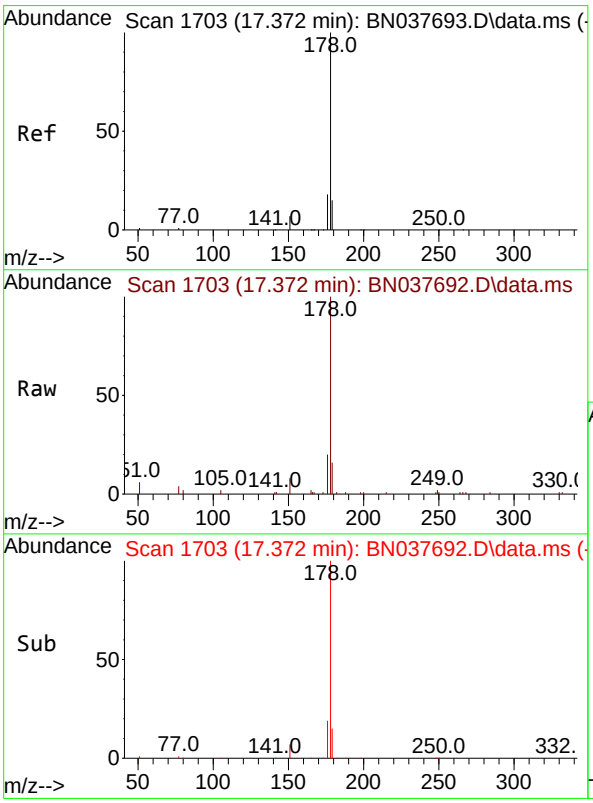
#25
Phenanthrene
Concen: 0.193 ng
RT: 17.285 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:178 Resp: 7526

Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.3	22.9
179	15.7	12.2	18.2

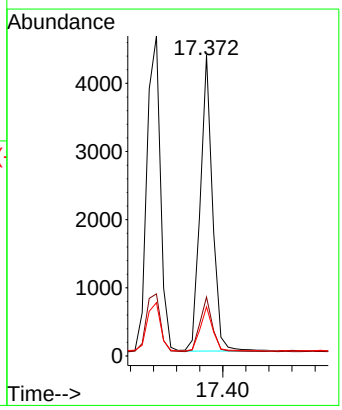


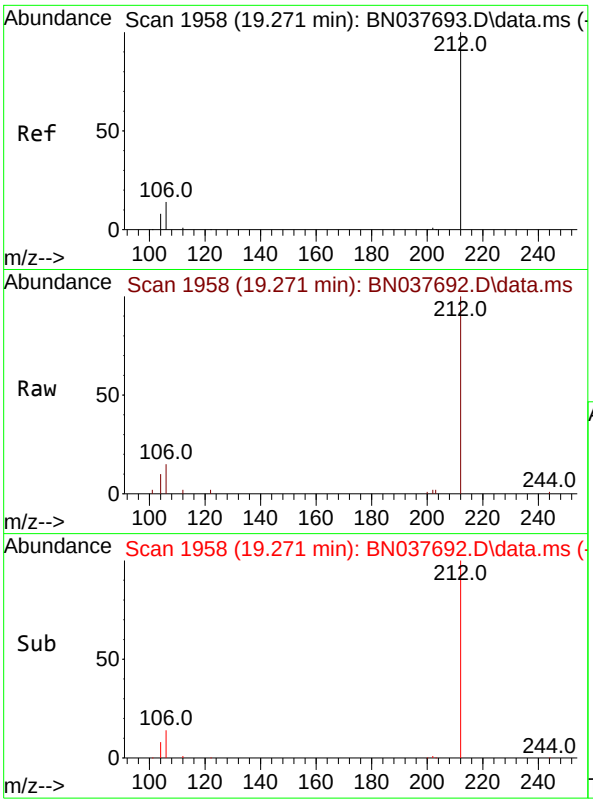


#26
Anthracene
Concen: 0.185 ng
RT: 17.372 min Scan# 1703
Delta R.T. -0.000 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Tgt Ion:178 Resp: 6375

Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.6	22.0
179	15.4	12.2	18.4



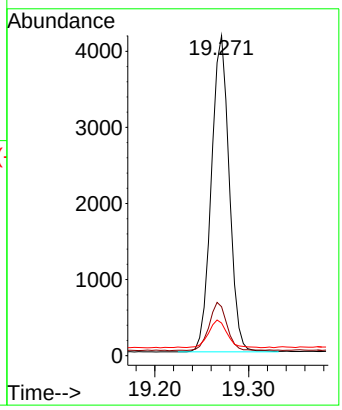


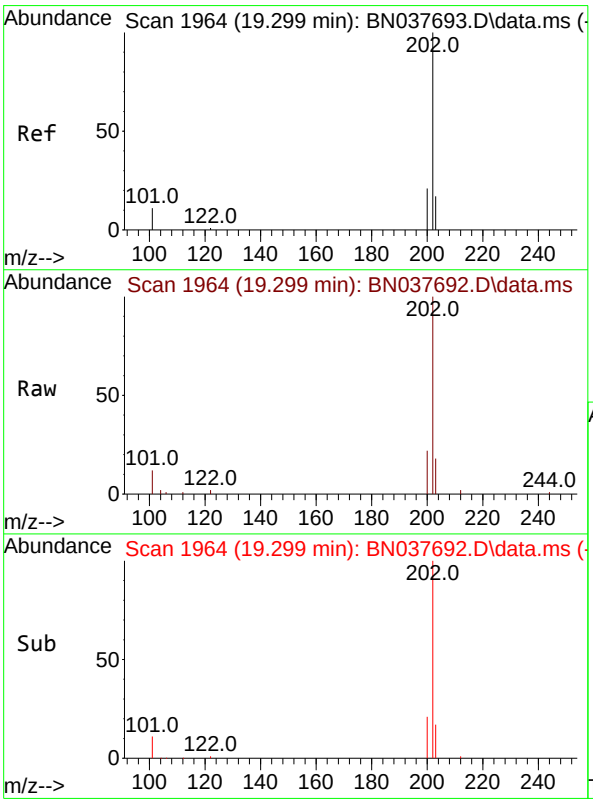
#27
Fluoranthene-d10
Concen: 0.177 ng
RT: 19.271 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:212 Resp: 5492

Ion	Ratio	Lower	Upper
212	100		
106	15.4	12.2	18.2
104	9.0	6.9	10.3

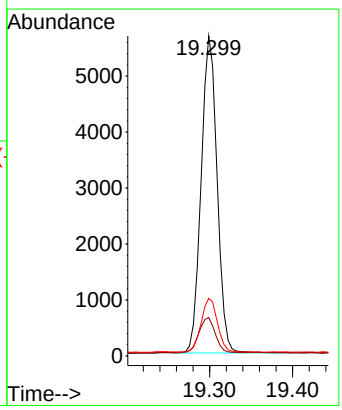


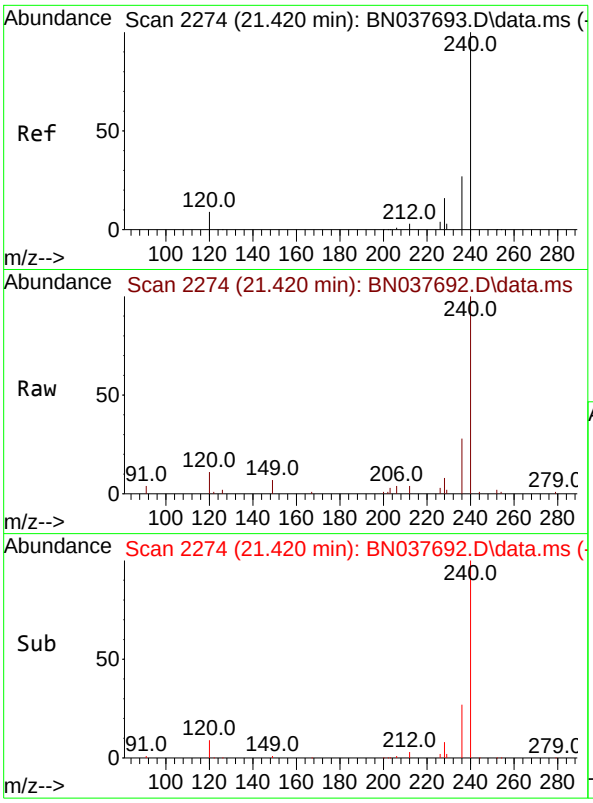


#28
Fluoranthene
Concen: 0.177 ng
RT: 19.299 min Scan# 1964
Delta R.T. -0.000 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Tgt Ion:202 Resp: 7577

Ion	Ratio	Lower	Upper
202	100		
101	11.7	9.3	13.9
203	17.1	13.7	20.5



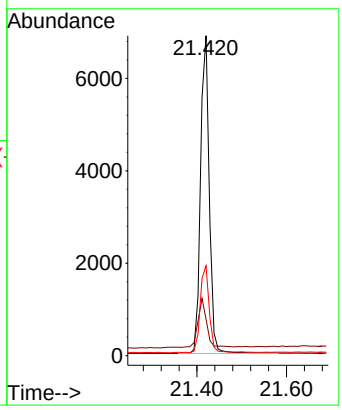


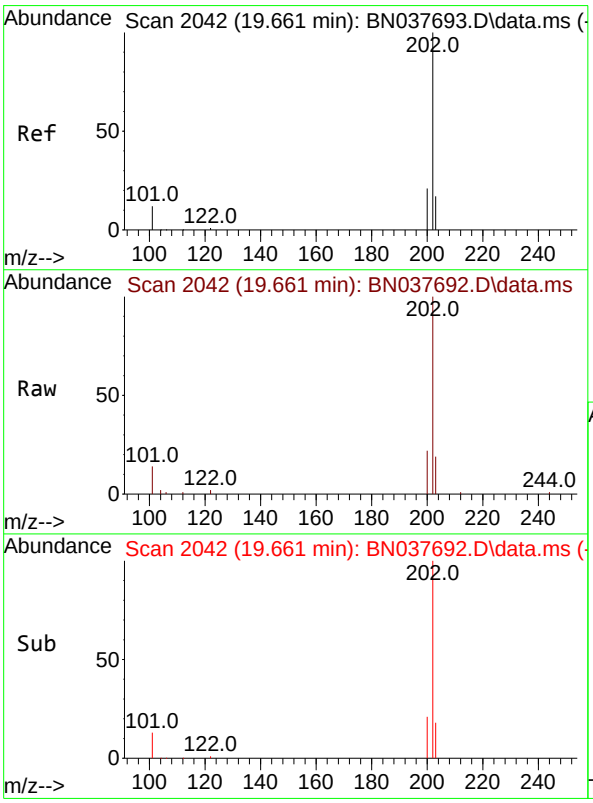
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.420 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:240 Resp: 9324

Ion	Ratio	Lower	Upper
240	100		
120	11.4	9.2	13.8
236	28.1	22.6	33.8

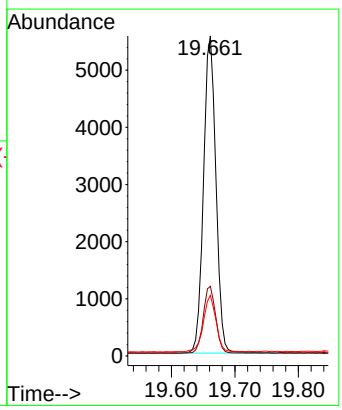


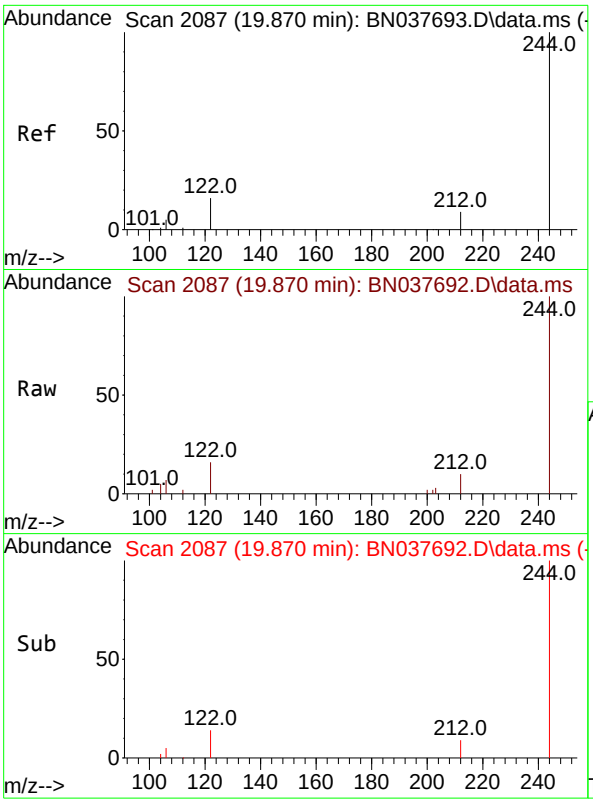


#30
Pyrene
Concen: 0.207 ng
RT: 19.661 min Scan# 2042
Delta R.T. -0.000 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Tgt Ion:202 Resp: 7543

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.8	25.2
203	18.3	14.3	21.5



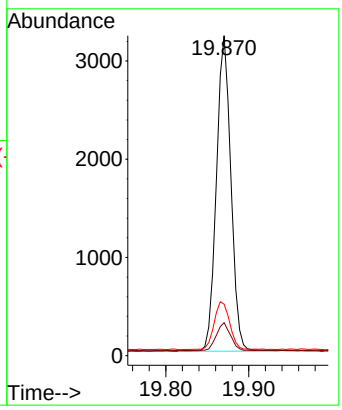


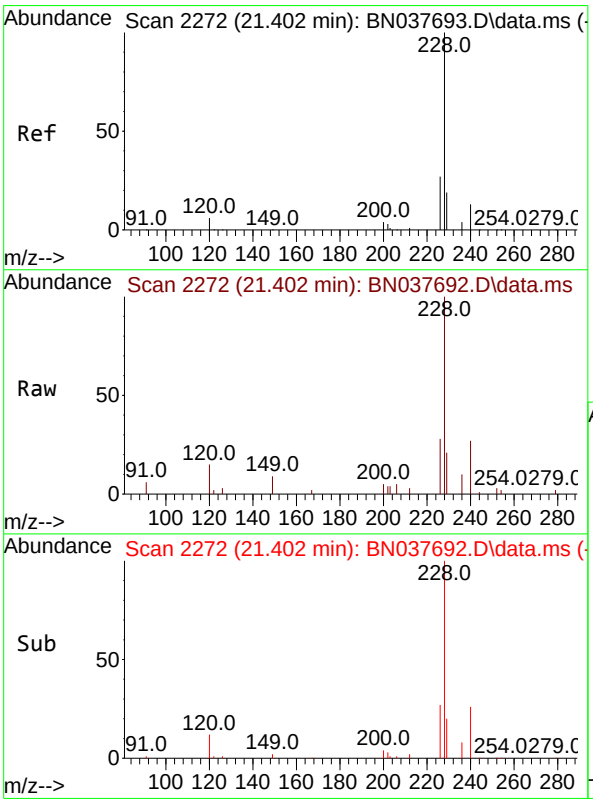
#31
Terphenyl-d14
Concen: 0.205 ng
RT: 19.870 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:244 Resp: 3884

Ion	Ratio	Lower	Upper
244	100		
212	10.3	7.5	11.3
122	16.1	13.2	19.8

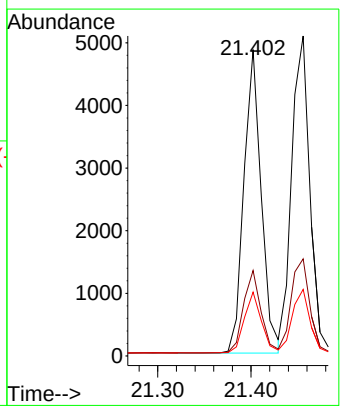


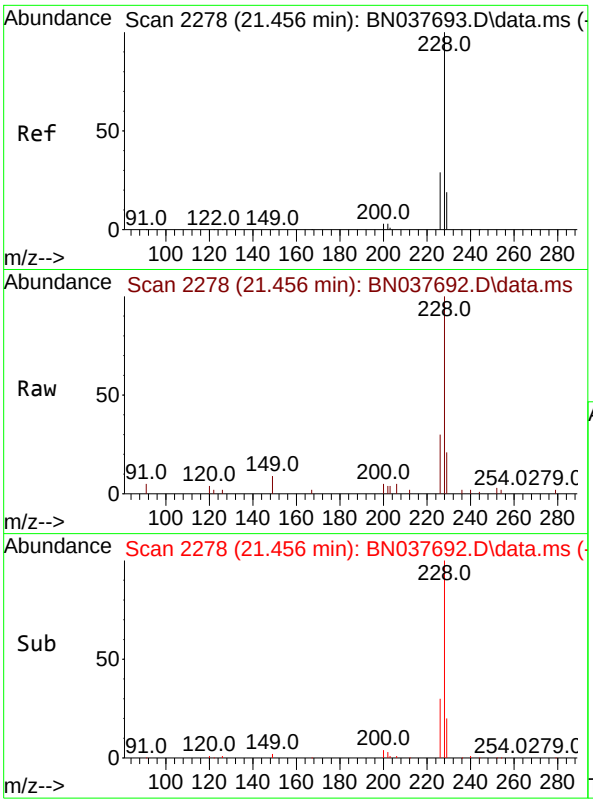


#32
Benzo(a)anthracene
Concen: 0.193 ng
RT: 21.402 min Scan# 2272
Delta R.T. -0.000 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Tgt Ion:228 Resp: 6270

Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.2	33.2
229	20.8	15.8	23.6



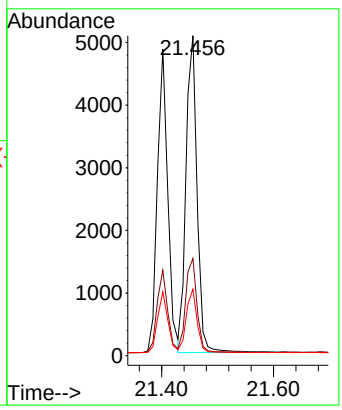


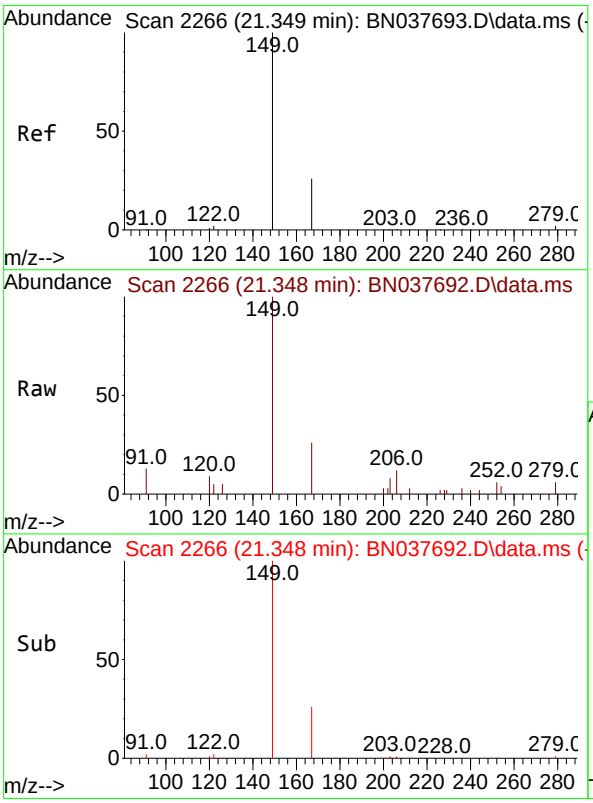
#33
Chrysene
Concen: 0.199 ng
RT: 21.456 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:228 Resp: 6953

Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.5	35.3
229	20.8	15.9	23.9

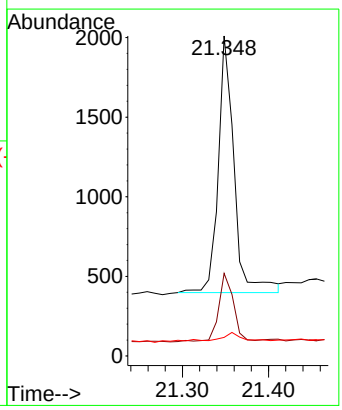


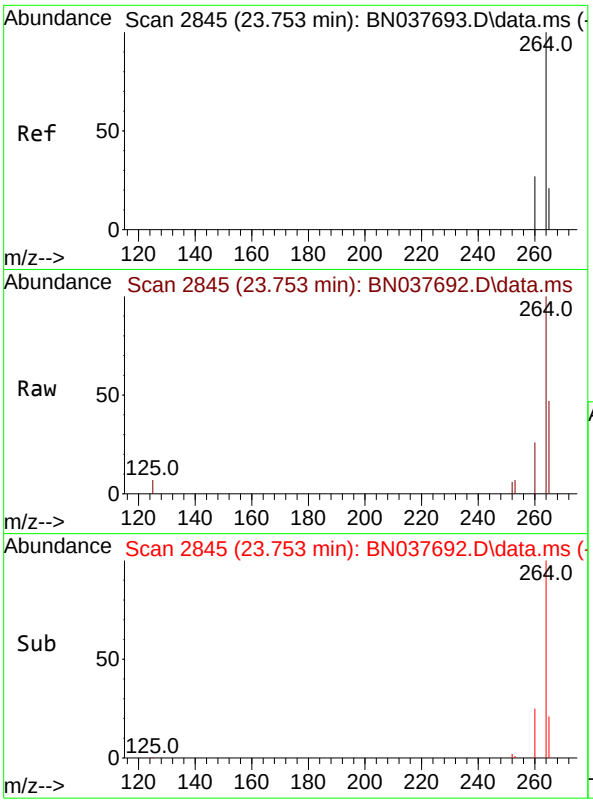


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.213 ng
RT: 21.348 min Scan# 2266
Delta R.T. -0.000 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Tgt Ion:149 Resp: 2049

Ion	Ratio	Lower	Upper
149	100		
167	24.7	20.8	31.2
279	3.1	3.3	4.9#



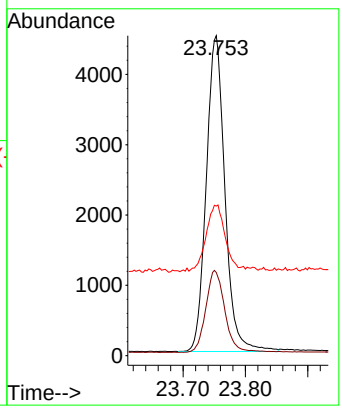


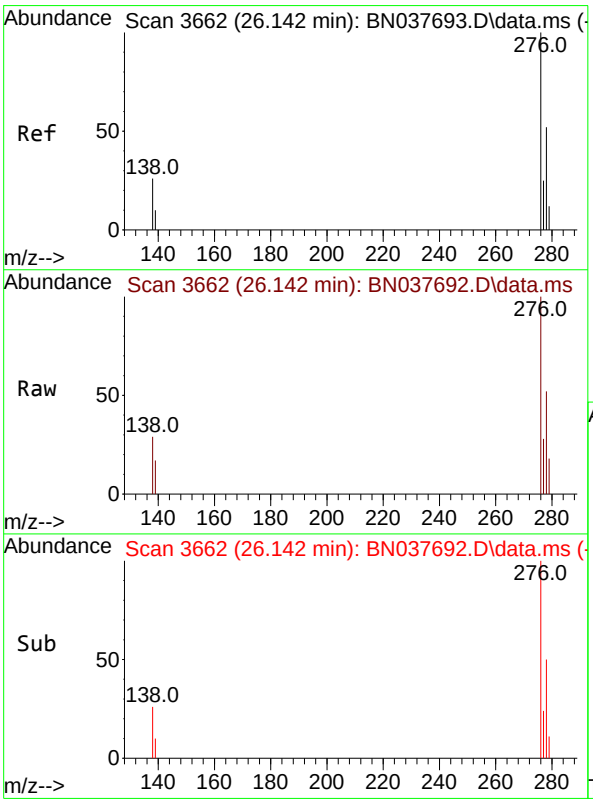
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.753 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:264 Resp: 9364

Ion	Ratio	Lower	Upper
264	100		
260	26.0	21.8	32.8
265	46.7	39.4	59.2

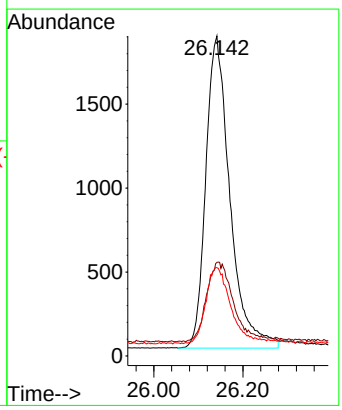


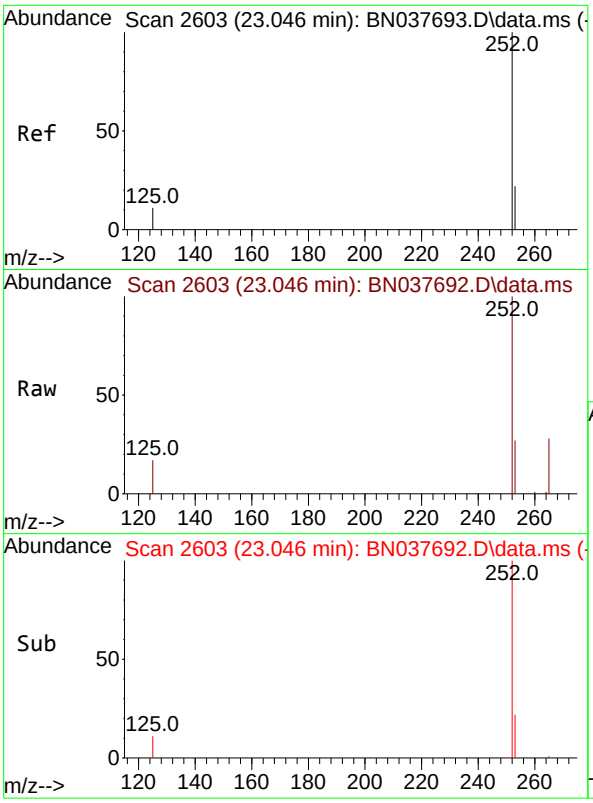


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.177 ng
RT: 26.142 min Scan# 3662
Delta R.T. -0.000 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Tgt Ion:276 Resp: 6982

Ion	Ratio	Lower	Upper
276	100		
138	28.1	21.9	32.9
277	24.6	20.1	30.1



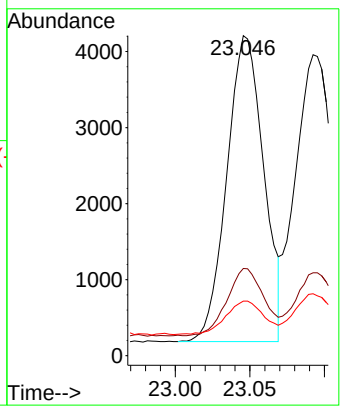


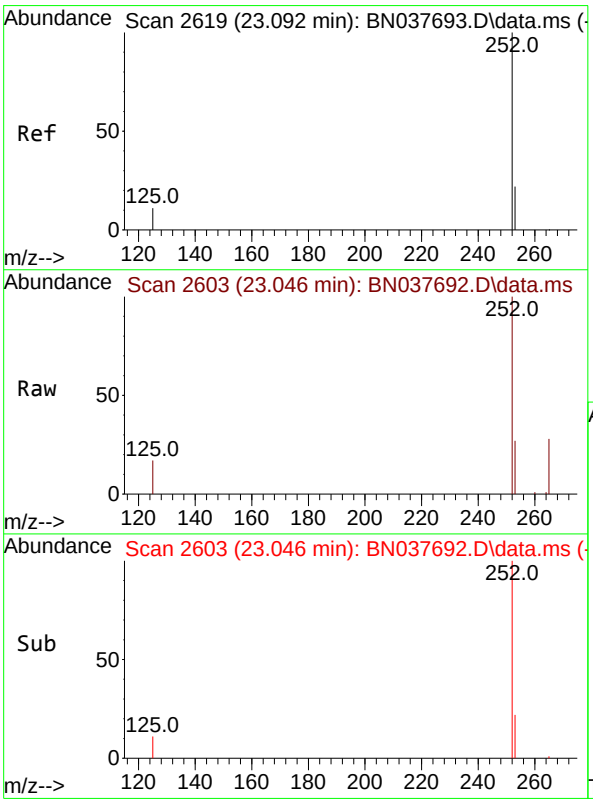
#37
Benzo(b)fluoranthene
Concen: 0.187 ng
RT: 23.046 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:252 Resp: 6907

Ion	Ratio	Lower	Upper
252	100		
253	27.3	19.4	29.2
125	17.0	11.2	16.8#

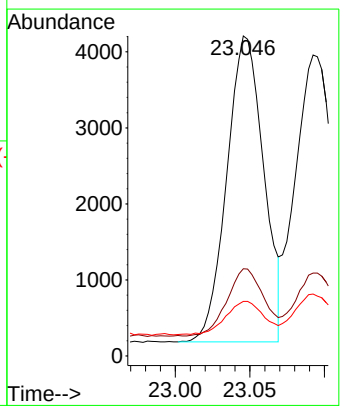


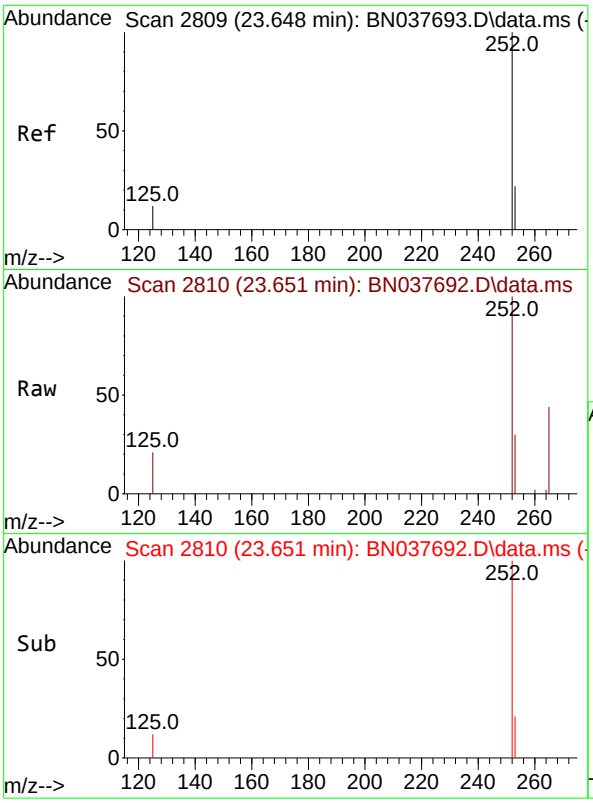


#38
Benzo(k)fluoranthene
Concen: 0.184 ng
RT: 23.046 min Scan# 2603
Delta R.T. -0.047 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Tgt Ion:252 Resp: 6907

Ion	Ratio	Lower	Upper
252	100		
253	27.3	19.4	29.0
125	17.0	11.6	17.4



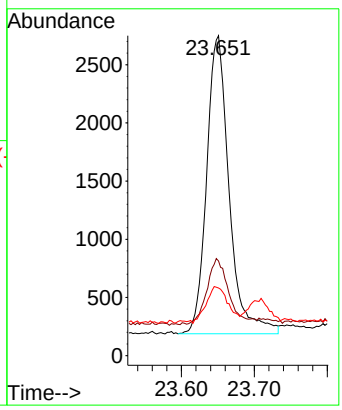


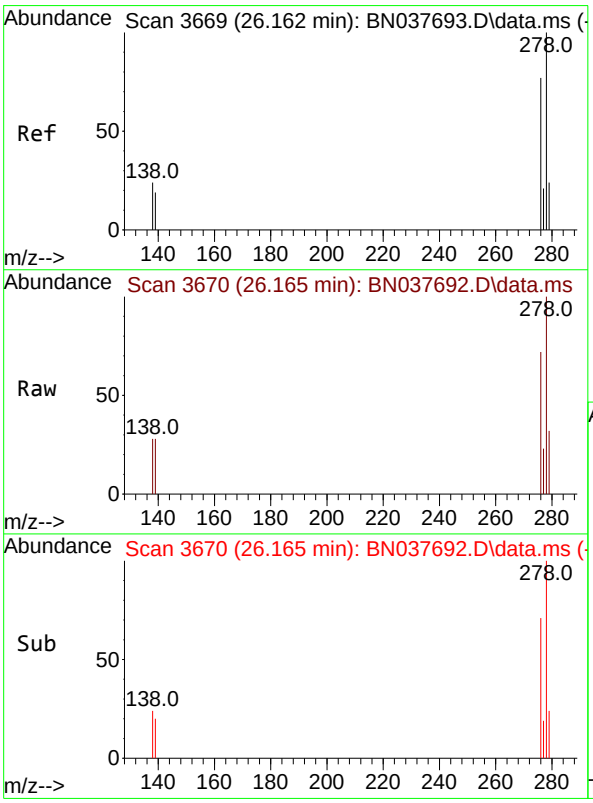
#39
Benzo(a)pyrene
Concen: 0.186 ng
RT: 23.651 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:252 Resp: 5489

Ion	Ratio	Lower	Upper
252	100		
253	29.6	20.8	31.2
125	21.1	13.9	20.9#

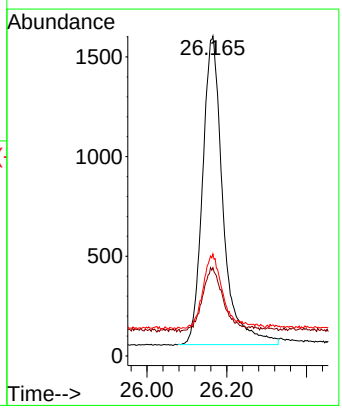


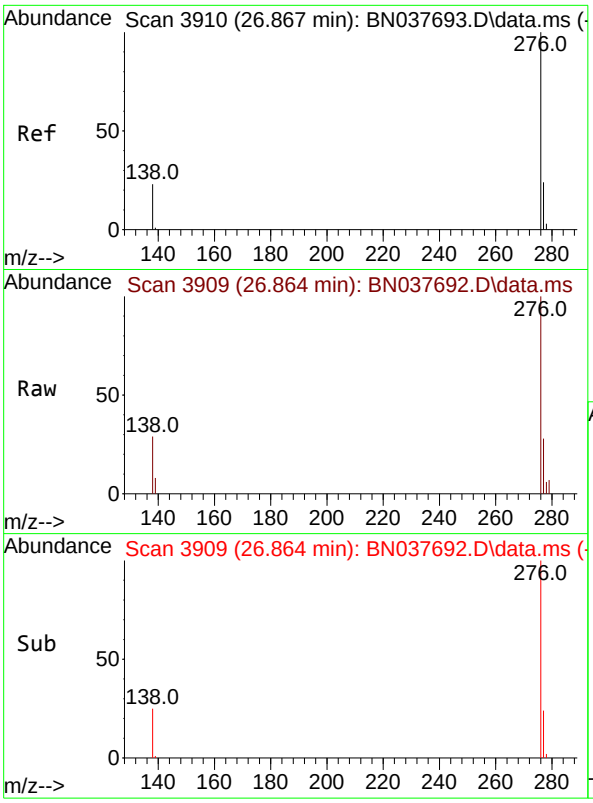


#40
Dibenzo(a,h)anthracene
Concen: 0.175 ng
RT: 26.165 min Scan# 3670
Delta R.T. 0.003 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Tgt Ion:278 Resp: 5503

Ion	Ratio	Lower	Upper
278	100		
139	27.6	17.8	26.6#
279	31.9	22.0	33.0



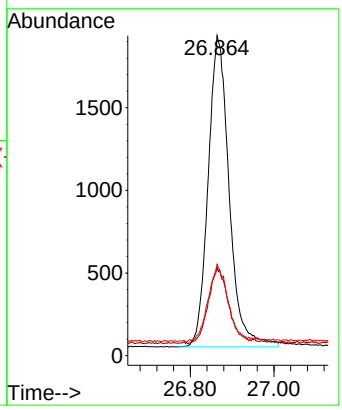


#41
Benzo(g,h,i)perylene
Concen: 0.186 ng
RT: 26.864 min Scan# 3
Delta R.T. -0.003 min
Lab File: BN037692.D
Acq: 11 Sep 2025 10:32

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:276 Resp: 6566

Ion	Ratio	Lower	Upper
276	100		
277	27.6	20.6	31.0
138	28.6	20.2	30.2



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091825\
Data File : BN037792.D
Acq On : 19 Sep 2025 00:16
Operator : RC/JU
Sample : PB169693BS
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB169693BS

Quant Time: Sep 19 04:12:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration

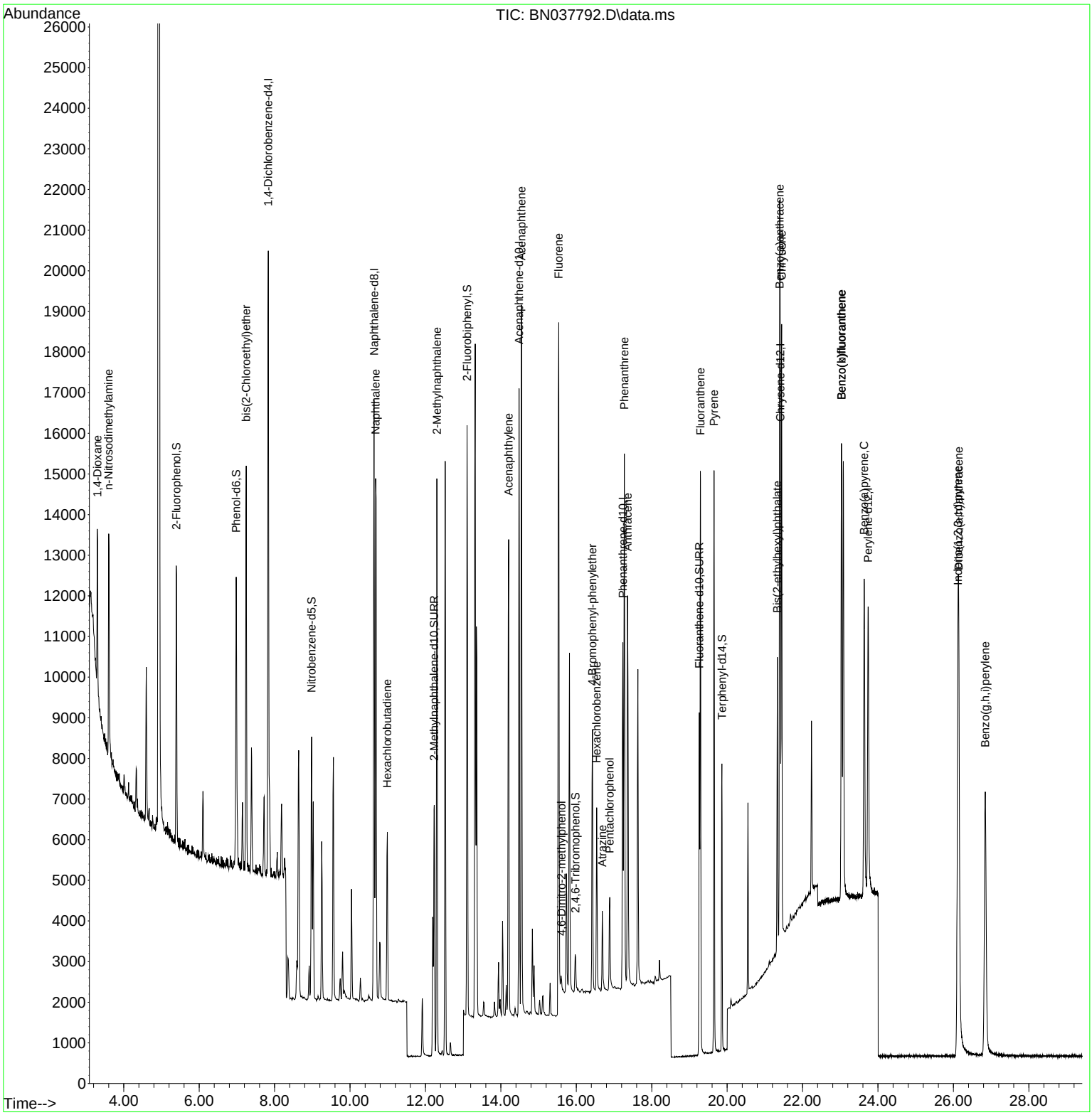
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.833	152	7441	0.400	ng	0.00
7) Naphthalene-d8	10.637	136	19392	0.400	ng	-0.01
13) Acenaphthene-d10	14.484	164	8149	0.400	ng	-0.01
19) Phenanthrene-d10	17.235	188	12386	0.400	ng	# 0.00
29) Chrysene-d12	21.411	240	10095	0.400	ng	0.00
35) Perylene-d12	23.738	264	10200	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.399	112	5555	0.325	ng	0.00
5) Phenol-d6	6.980	99	6563	0.296	ng	0.00
8) Nitrobenzene-d5	8.982	82	5088	0.359	ng	-0.01
11) 2-Methylnaphthalene-d10	12.232	152	7932	0.309	ng	-0.01
14) 2,4,6-Tribromophenol	15.982	330	674	0.317	ng	0.00
15) 2-Fluorobiphenyl	13.105	172	12492	0.367	ng	-0.01
27) Fluoranthene-d10	19.262	212	9050	0.291	ng	0.00
31) Terphenyl-d14	19.861	244	6591	0.322	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.304	88	2366	0.305	ng	# 85
3) n-Nitrosodimethylamine	3.600	42	3300	0.326	ng	# 90
6) bis(2-Chloroethyl)ether	7.248	93	6941	0.351	ng	100
9) Naphthalene	10.680	128	17810	0.336	ng	99
10) Hexachlorobutadiene	10.989	225	3379	0.352	ng	# 99
12) 2-Methylnaphthalene	12.303	142	9820	0.299	ng	99
16) Acenaphthylene	14.206	152	13377	0.358	ng	99
17) Acenaphthene	14.548	154	8509	0.337	ng	99
18) Fluorene	15.535	166	9452	0.309	ng	99
20) 4,6-Dinitro-2-methylph...	15.609	198	305	0.266	ng	# 88
21) 4-Bromophenyl-phenylether	16.428	248	2895	0.358	ng	# 92
22) Hexachlorobenzene	16.540	284	3601	0.388	ng	98
23) Atrazine	16.689	200	1710	0.333	ng	# 94
24) Pentachlorophenol	16.888	266	1388	0.515	ng	98
25) Phenanthrene	17.273	178	13505	0.346	ng	100
26) Anthracene	17.359	178	11748	0.340	ng	99
28) Fluoranthene	19.294	202	12912	0.302	ng	100
30) Pyrene	19.652	202	12854	0.325	ng	100
32) Benzo(a)anthracene	21.393	228	12540	0.356	ng	100
33) Chrysene	21.447	228	13567	0.359	ng	100
34) Bis(2-ethylhexyl)phtha...	21.331	149	3708	0.355	ng	98
36) Indeno(1,2,3-cd)pyrene	26.118	276	17423	0.407	ng	99
37) Benzo(b)fluoranthene	23.034	252	14955	0.372	ng	# 96
38) Benzo(k)fluoranthene	23.034	252	14955	0.365	ng	96
39) Benzo(a)pyrene	23.633	252	12714	0.395	ng	# 94
40) Dibenzo(a,h)anthracene	26.142	278	13475	0.394	ng	99
41) Benzo(g,h,i)perylene	26.843	276	15272	0.398	ng	99

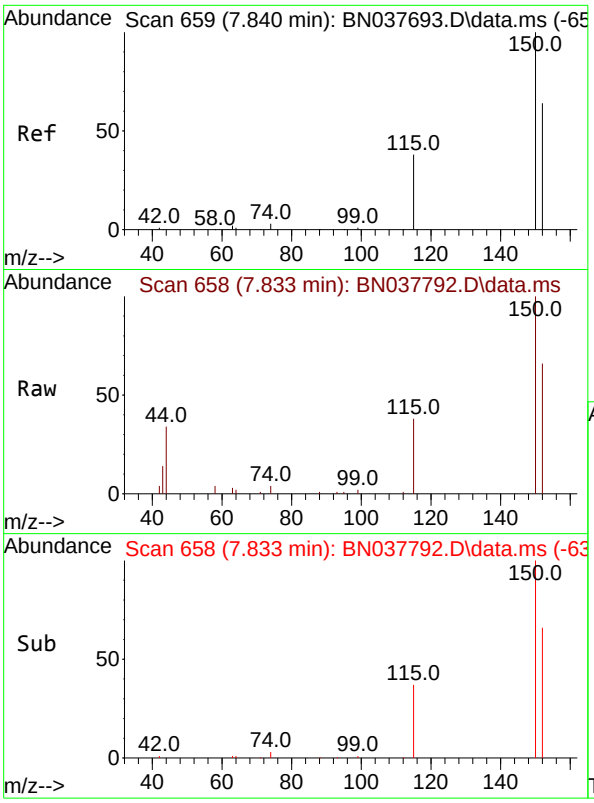
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091825\
Data File : BN037792.D
Acq On : 19 Sep 2025 00:16
Operator : RC/JU
Sample : PB169693BS
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB169693BS

Quant Time: Sep 19 04:12:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration



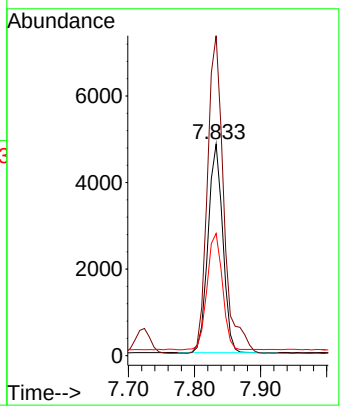


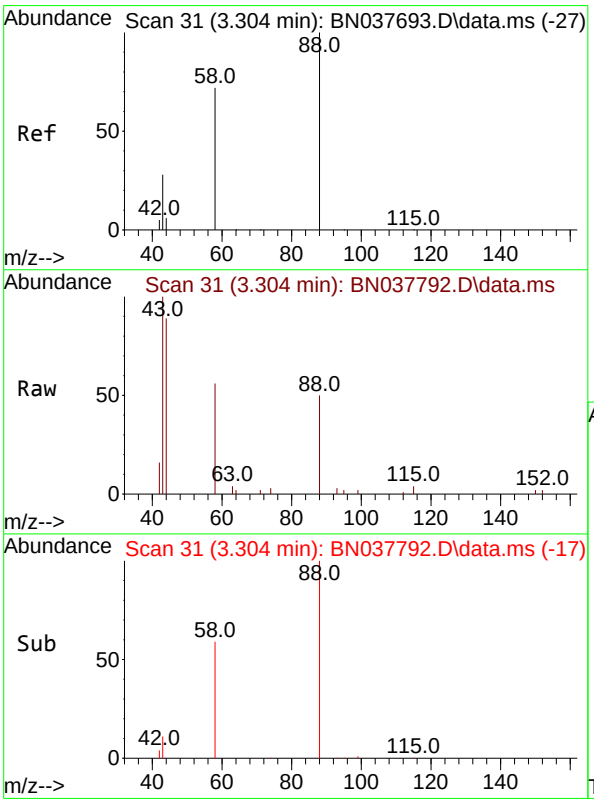
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.833 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Instrument :
BNA_N
ClientSampleId :
PB169693BS

Tgt Ion:152 Resp: 7441

Ion	Ratio	Lower	Upper
152	100		
150	151.3	124.5	186.7
115	57.8	49.2	73.8

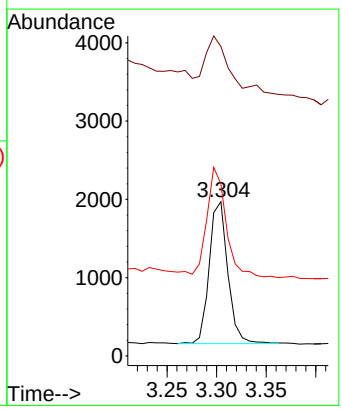


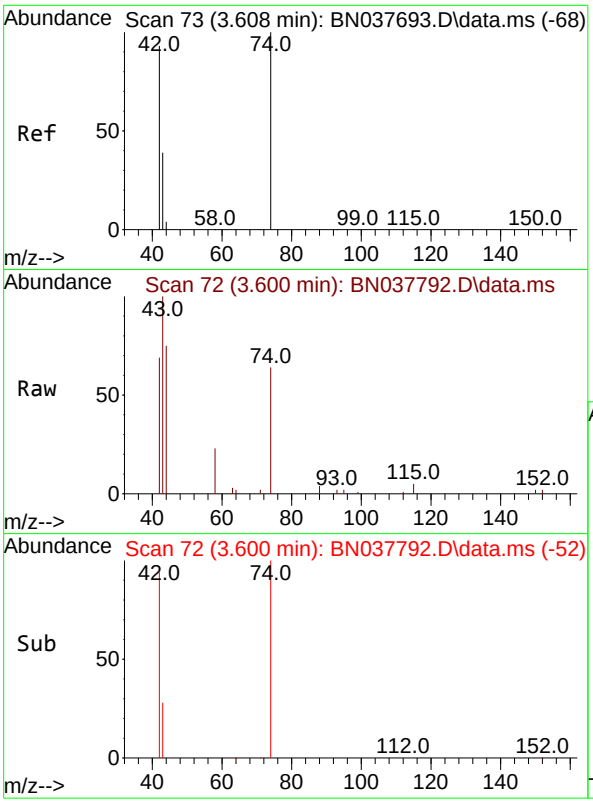


#2
1,4-Dioxane
Concen: 0.305 ng
RT: 3.304 min Scan# 31
Delta R.T. -0.000 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Tgt Ion: 88 Resp: 2366

Ion	Ratio	Lower	Upper
88	100		
43	56.6	26.8	40.2#
58	80.3	61.9	92.9



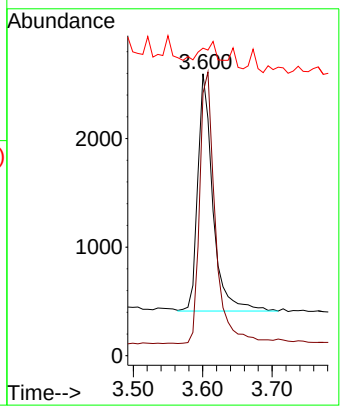


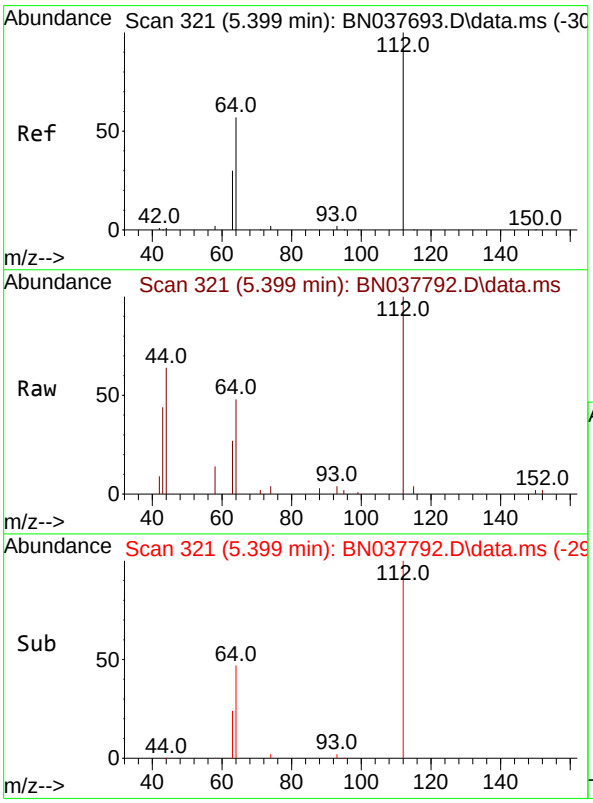
#3
n-Nitrosodimethylamine
Concen: 0.326 ng
RT: 3.600 min Scan# 7
Delta R.T. -0.007 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Instrument :
BNA_N
ClientSampleId :
PB169693BS

Tgt Ion: 42 Resp: 3300

Ion	Ratio	Lower	Upper
42	100		
74	118.9	86.0	129.0
44	8.3	8.4	12.6#

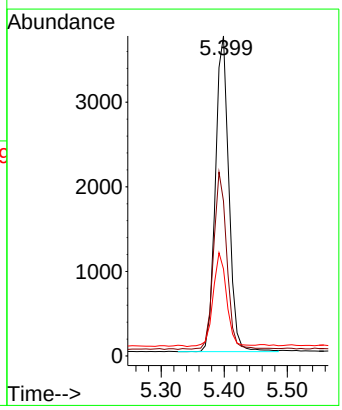


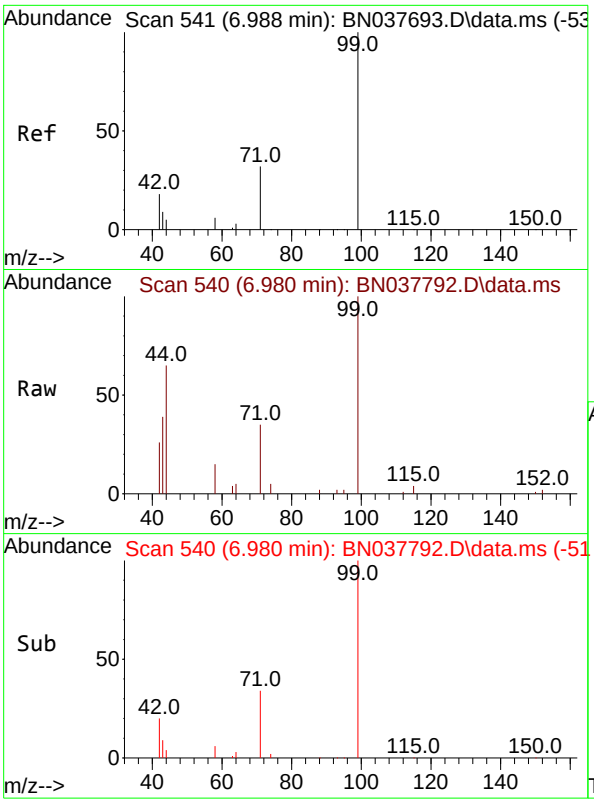


#4
2-Fluorophenol
Concen: 0.325 ng
RT: 5.399 min Scan# 321
Delta R.T. -0.000 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Tgt Ion:112 Resp: 5555

Ion	Ratio	Lower	Upper
112	100		
64	55.5	44.9	67.3
63	29.6	24.7	37.1



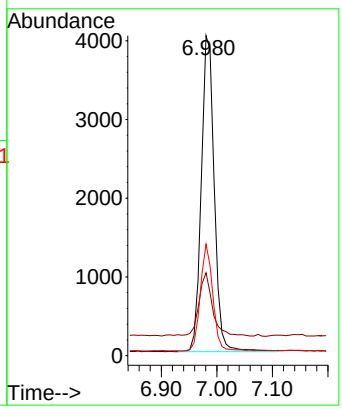


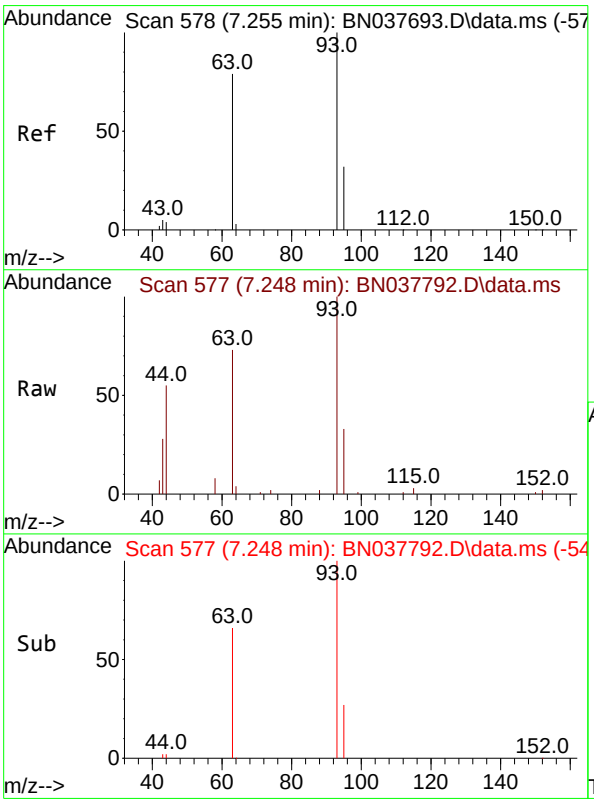
#5
Phenol-d6
Concen: 0.296 ng
RT: 6.980 min Scan# 54
Delta R.T. -0.007 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Instrument :
BNA_N
ClientSampleId :
PB169693BS

Tgt Ion: 99 Resp: 6563

Ion	Ratio	Lower	Upper
99	100		
42	20.6	16.6	24.8
71	32.2	26.7	40.1

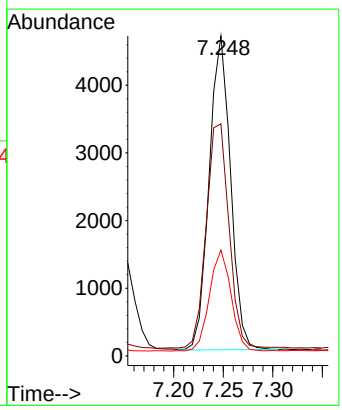


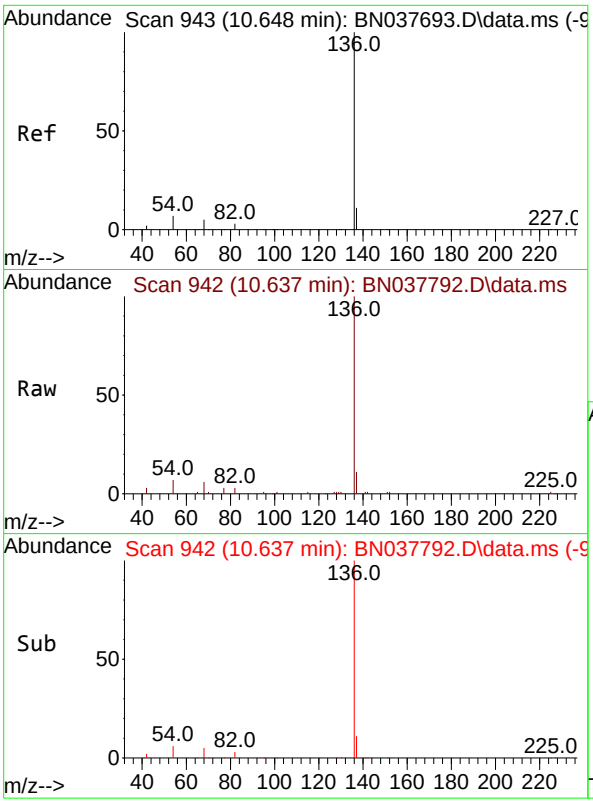


#6
bis(2-Chloroethyl)ether
Concen: 0.351 ng
RT: 7.248 min Scan# 577
Delta R.T. -0.007 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Tgt Ion: 93 Resp: 6941

Ion	Ratio	Lower	Upper
93	100		
63	76.1	60.6	90.8
95	32.6	26.0	39.0



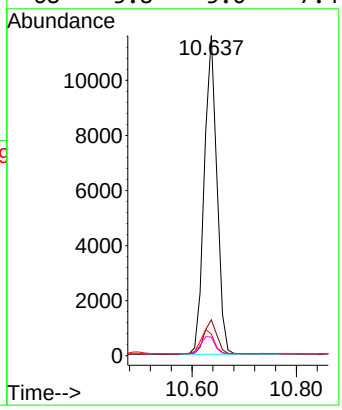


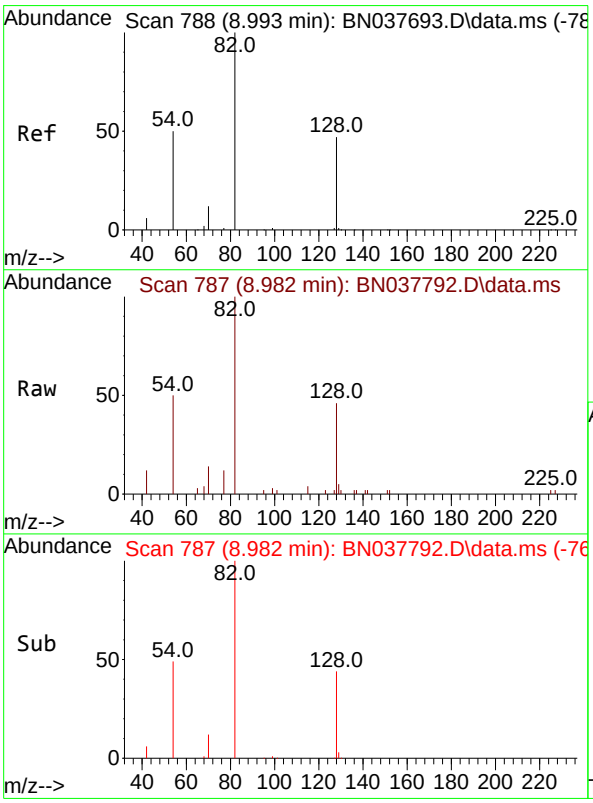
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.637 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Instrument :
BNA_N
ClientSampleId :
PB169693BS

Tgt Ion:136 Resp: 19392

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	6.8	6.3	9.5
68	5.8	5.0	7.4

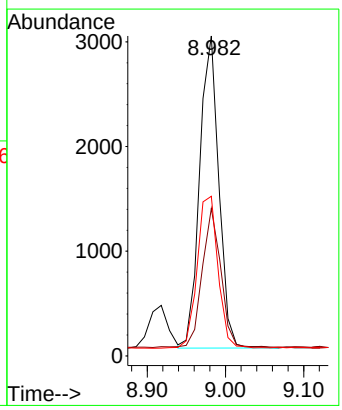


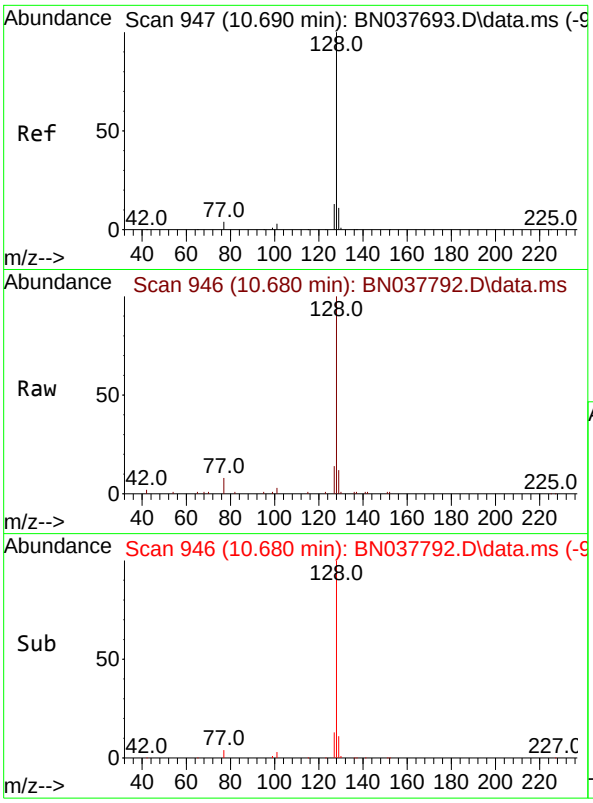


#8
Nitrobenzene-d5
Concen: 0.359 ng
RT: 8.982 min Scan# 787
Delta R.T. -0.011 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Tgt Ion: 82 Resp: 5088

Ion	Ratio	Lower	Upper
82	100		
128	46.1	38.3	57.5
54	49.9	41.4	62.2



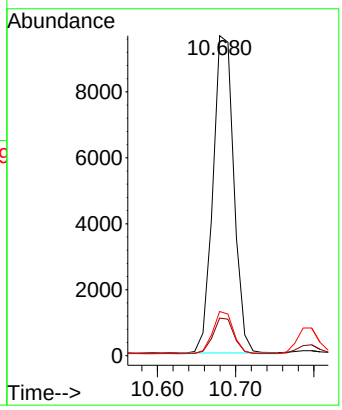


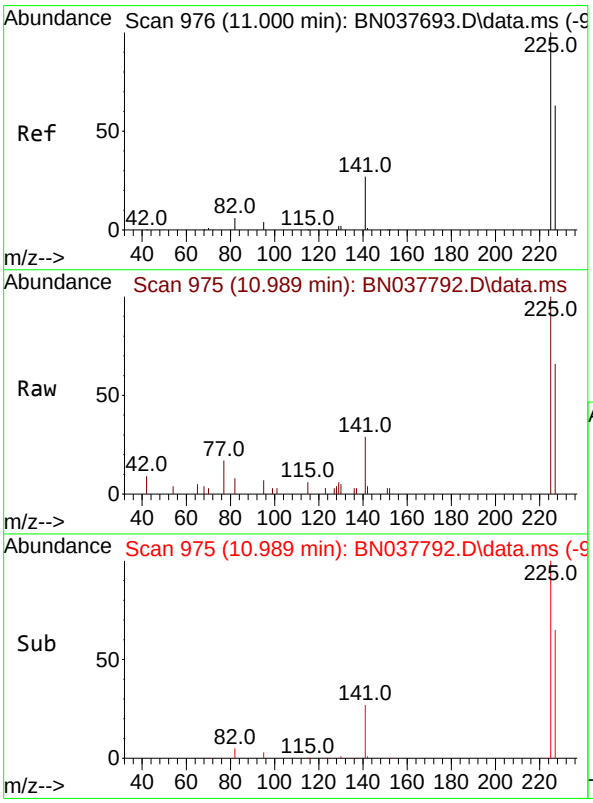
#9
Naphthalene
Concen: 0.336 ng
RT: 10.680 min Scan# 9
Delta R.T. -0.011 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Instrument :
BNA_N
ClientSampleId :
PB169693BS

Tgt Ion:128 Resp: 17810

Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.1	13.7
127	13.8	10.9	16.3

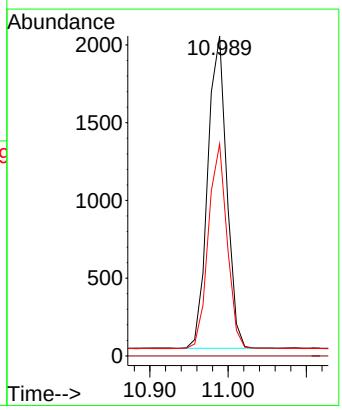


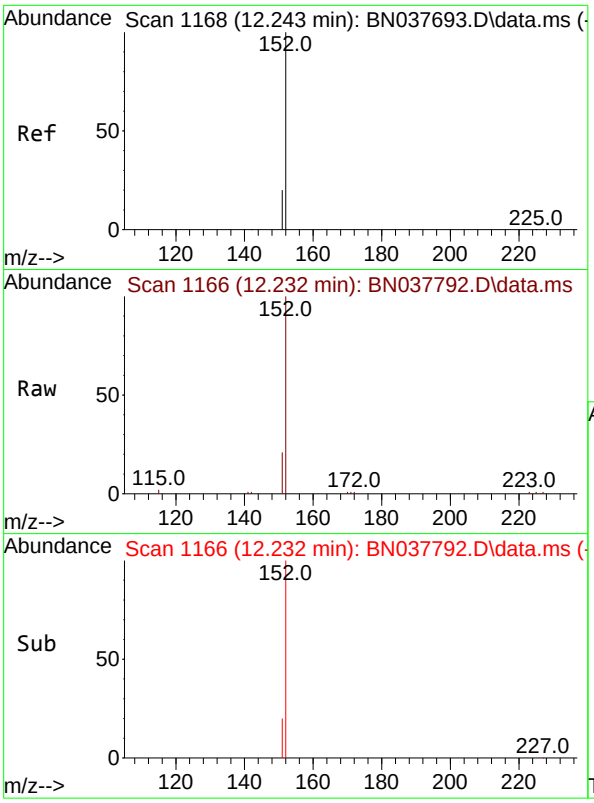


#10
Hexachlorobutadiene
Concen: 0.352 ng
RT: 10.989 min Scan# 975
Delta R.T. -0.011 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Tgt Ion:225 Resp: 3379

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.5	50.9	76.3



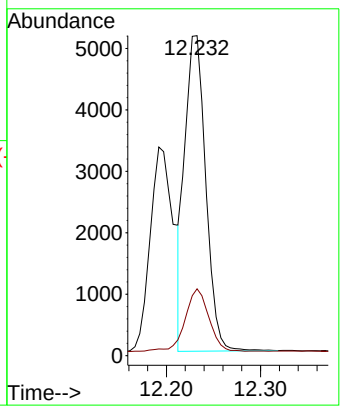


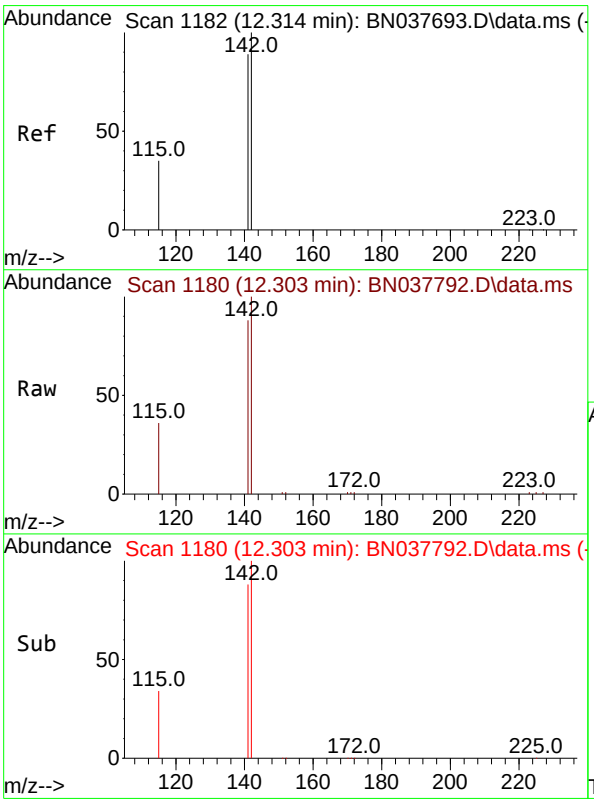
#11
2-Methylnaphthalene-d10
Concen: 0.309 ng
RT: 12.232 min Scan# 11
Delta R.T. -0.010 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Instrument :
BNA_N
ClientSampleId :
PB169693BS

Tgt Ion:152 Resp: 7932

Ion	Ratio	Lower	Upper
152	100		
151	22.6	17.0	25.6

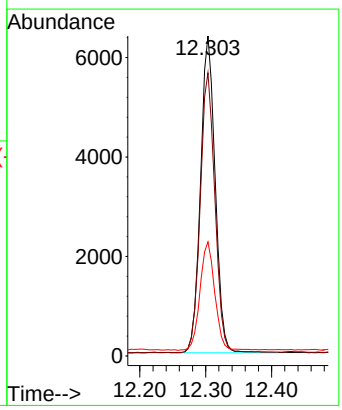


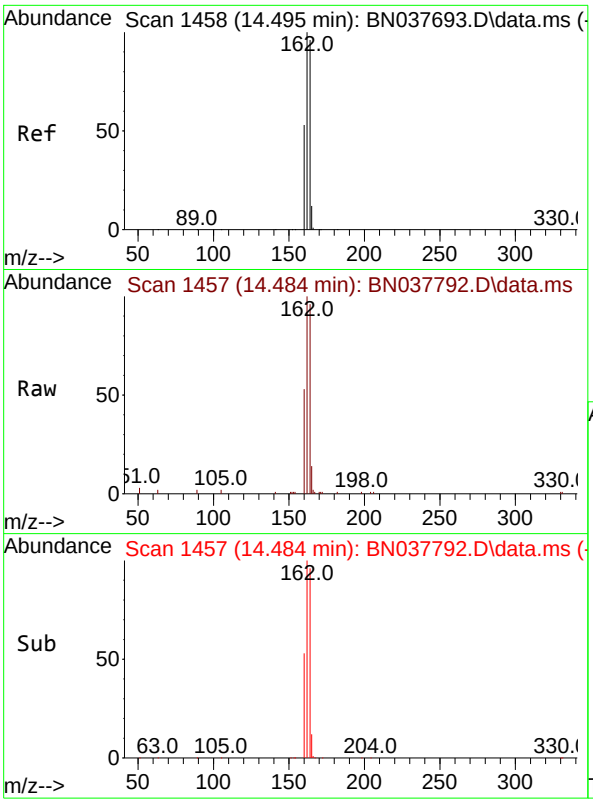


#12
2-Methylnaphthalene
Concen: 0.299 ng
RT: 12.303 min Scan# 1180
Delta R.T. -0.010 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Tgt Ion:142 Resp: 9820

Ion	Ratio	Lower	Upper
142	100		
141	88.5	71.6	107.4
115	35.7	28.6	43.0



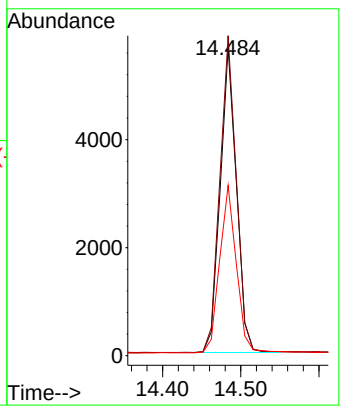


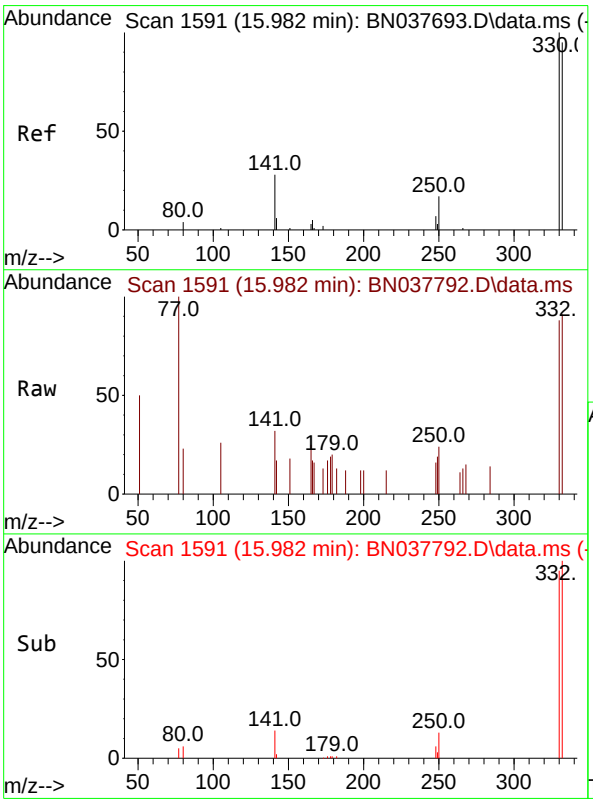
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.484 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Instrument :
BNA_N
ClientSampleId :
PB169693BS

Tgt Ion:164 Resp: 8149

Ion	Ratio	Lower	Upper
164	100		
162	103.7	83.1	124.7
160	55.2	44.3	66.5

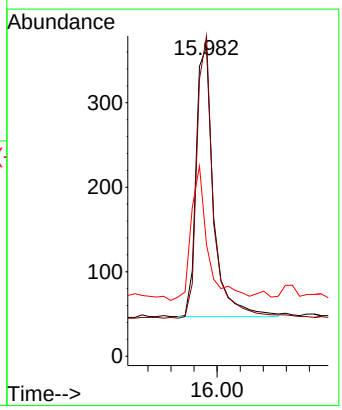


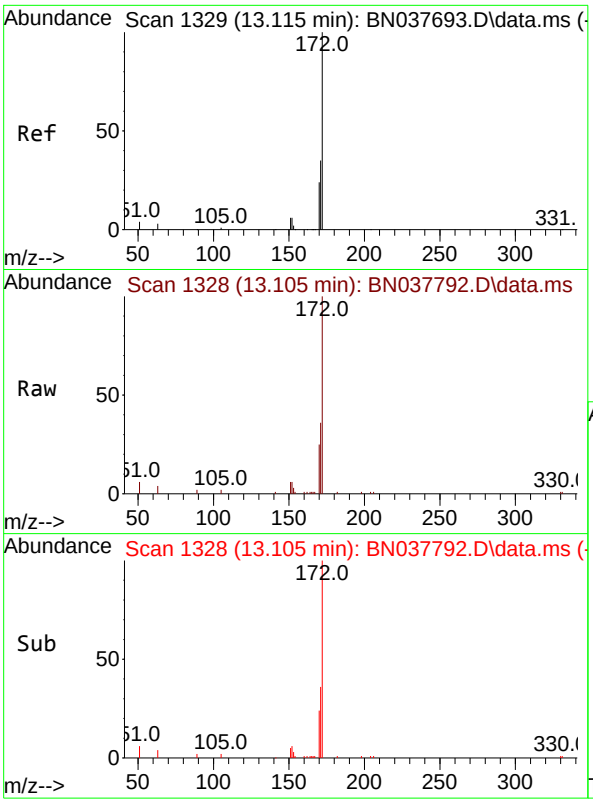


#14
2,4,6-Tribromophenol
Concen: 0.317 ng
RT: 15.982 min Scan# 1591
Delta R.T. -0.000 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Tgt Ion:330 Resp: 674

Ion	Ratio	Lower	Upper
330	100		
332	99.4	75.3	112.9
141	47.6	35.0	52.4



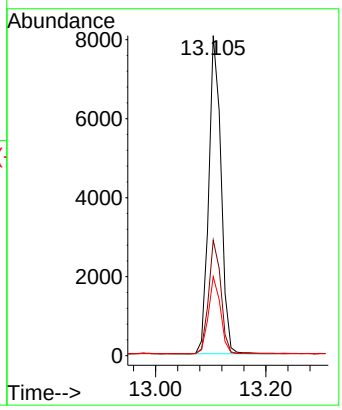


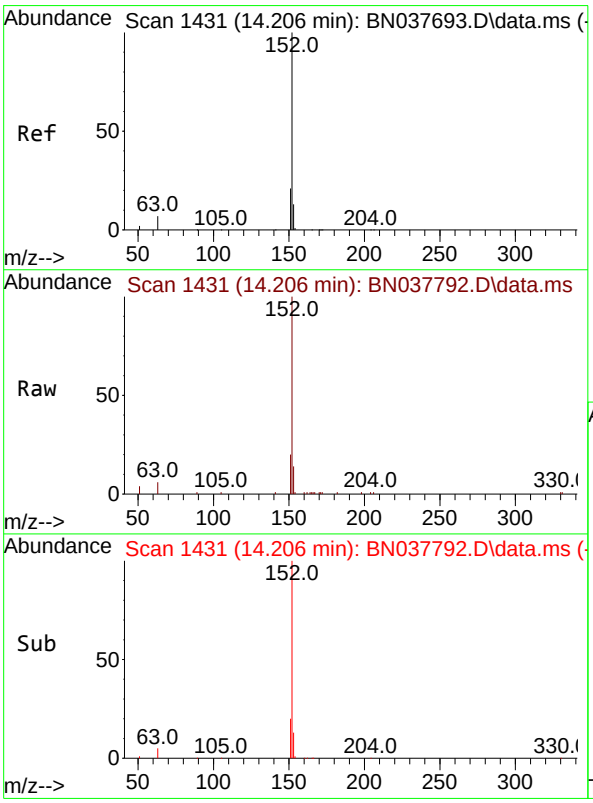
#15
2-Fluorobiphenyl
Concen: 0.367 ng
RT: 13.105 min Scan# 1
Delta R.T. -0.011 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Instrument :
BNA_N
ClientSampleId :
PB169693BS

Tgt Ion:172 Resp: 12492

Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.6	43.0
170	24.7	19.8	29.8

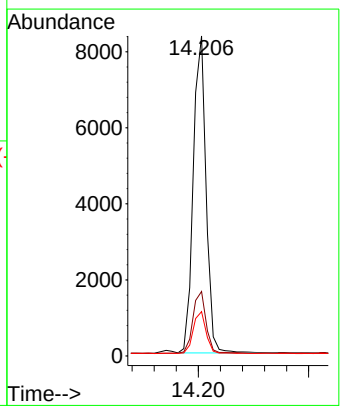


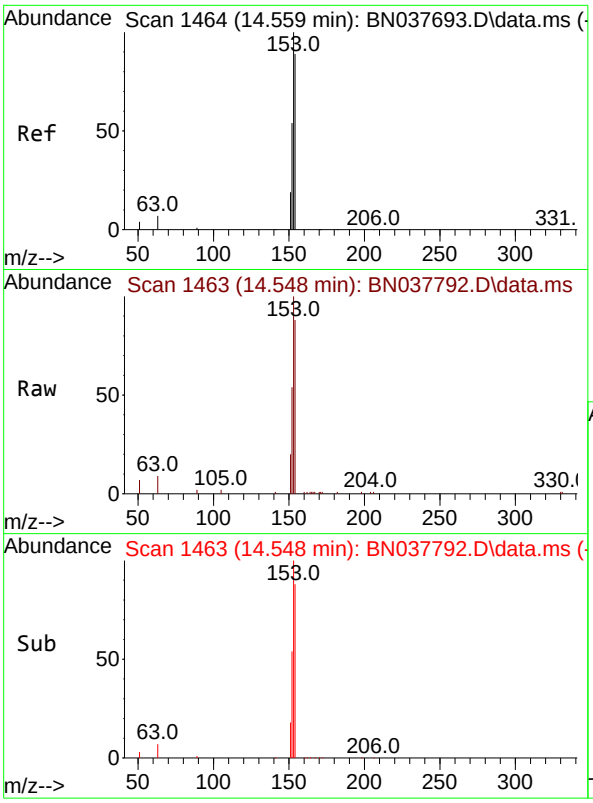


#16
Acenaphthylene
Concen: 0.358 ng
RT: 14.206 min Scan# 1431
Delta R.T. -0.000 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Tgt Ion:152 Resp: 13377

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.2	24.2
153	13.4	10.4	15.6



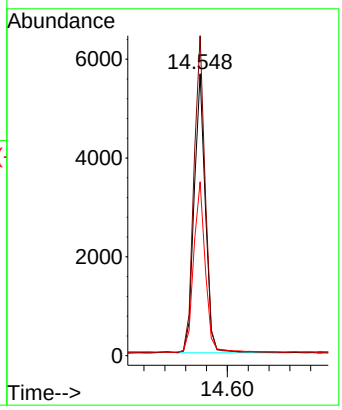


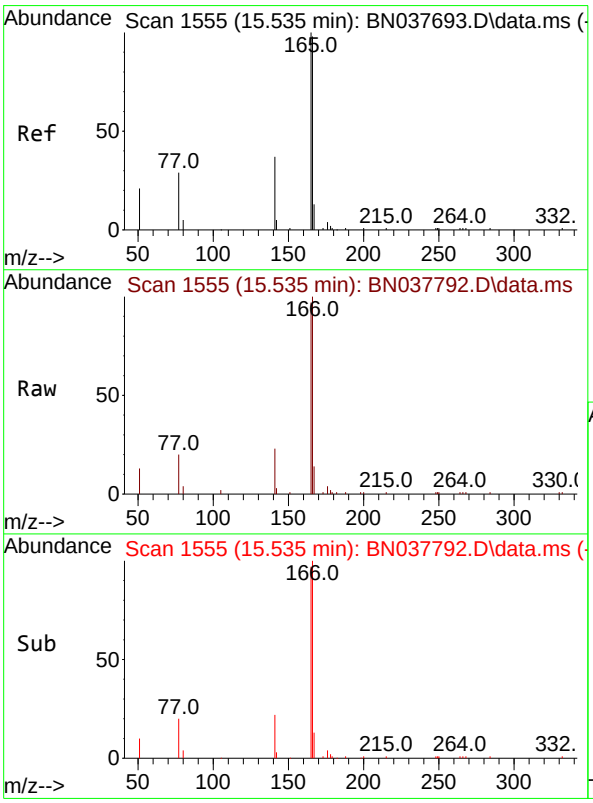
#17
Acenaphthene
Concen: 0.337 ng
RT: 14.548 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Instrument :
BNA_N
ClientSampleId :
PB169693BS

Tgt Ion:154 Resp: 8509

Ion	Ratio	Lower	Upper
154	100		
153	113.0	89.8	134.8
152	62.9	50.2	75.2

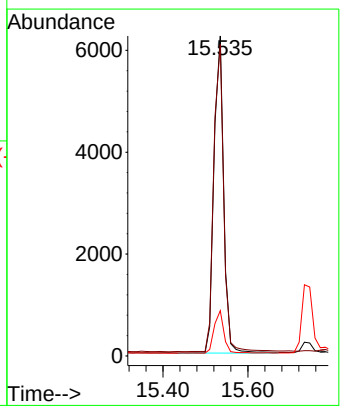


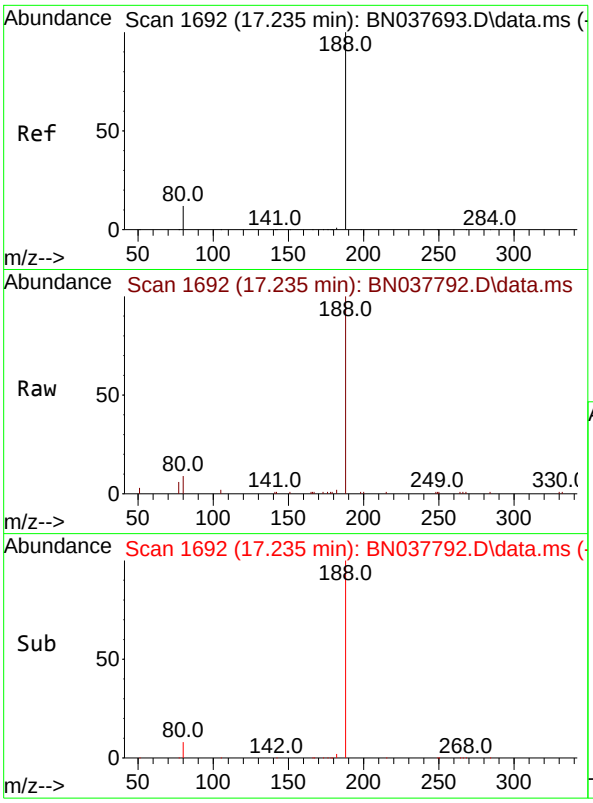


#18
Fluorene
Concen: 0.309 ng
RT: 15.535 min Scan# 1555
Delta R.T. -0.000 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Tgt Ion:166 Resp: 9452

Ion	Ratio	Lower	Upper
166	100		
165	99.9	79.6	119.4
167	13.9	10.6	16.0



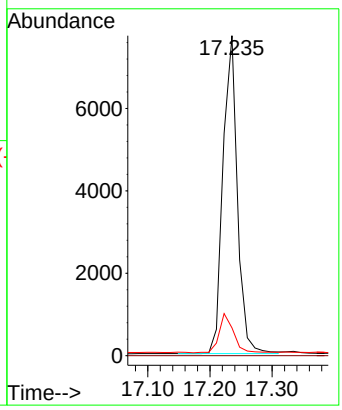


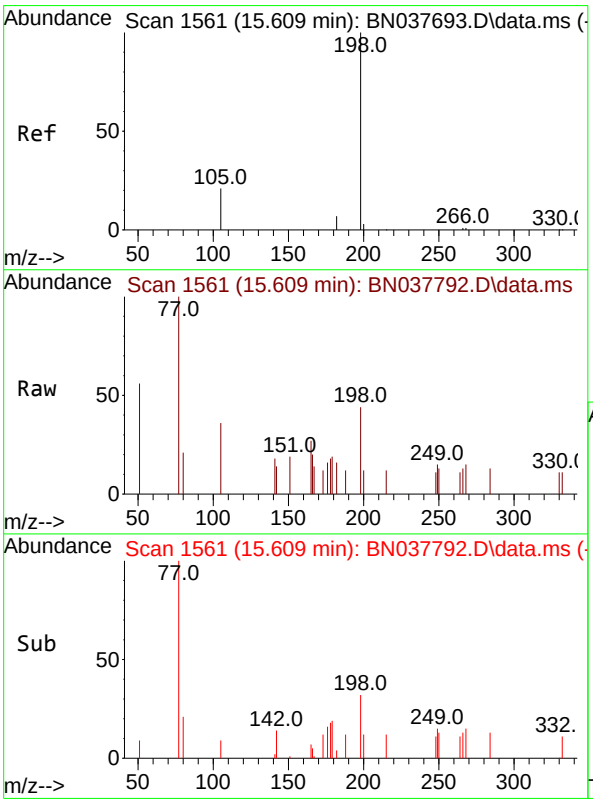
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.235 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Instrument :
BNA_N
ClientSampleId :
PB169693BS

Tgt Ion:188 Resp: 12386

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.7	10.6	15.8#

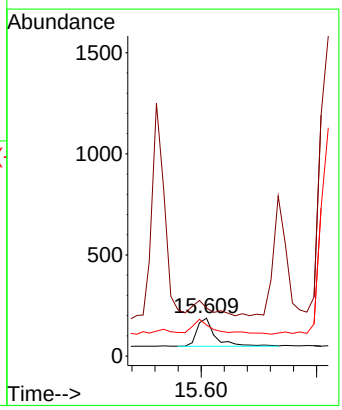


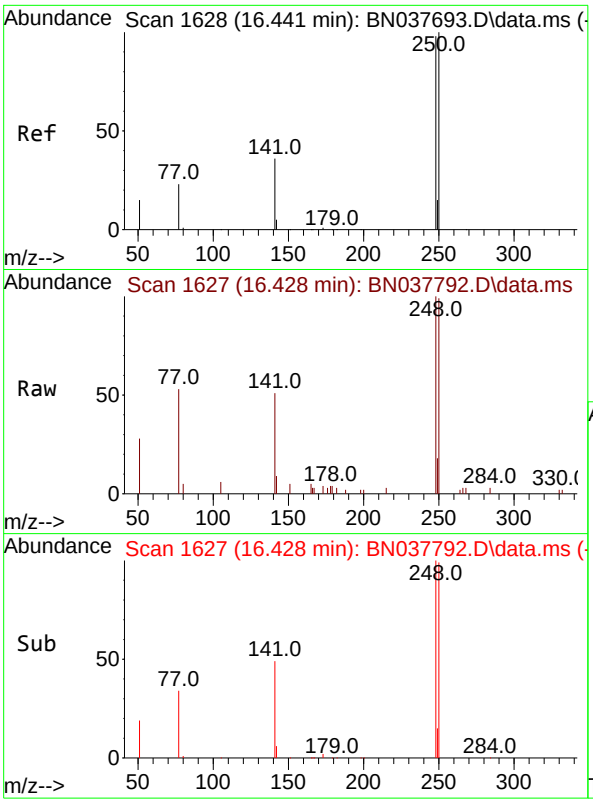


#20
4,6-Dinitro-2-methylphenol
Concen: 0.266 ng
RT: 15.609 min Scan# 1561
Delta R.T. 0.000 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Tgt Ion:198 Resp: 305

Ion	Ratio	Lower	Upper
198	100		
51	127.3	95.1	142.7
105	82.4	53.8	80.6#



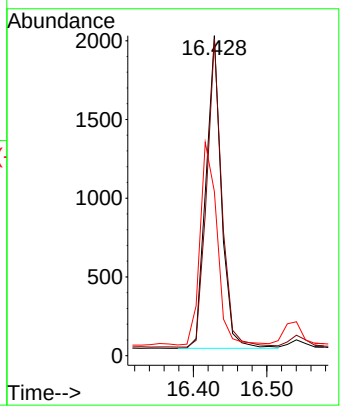


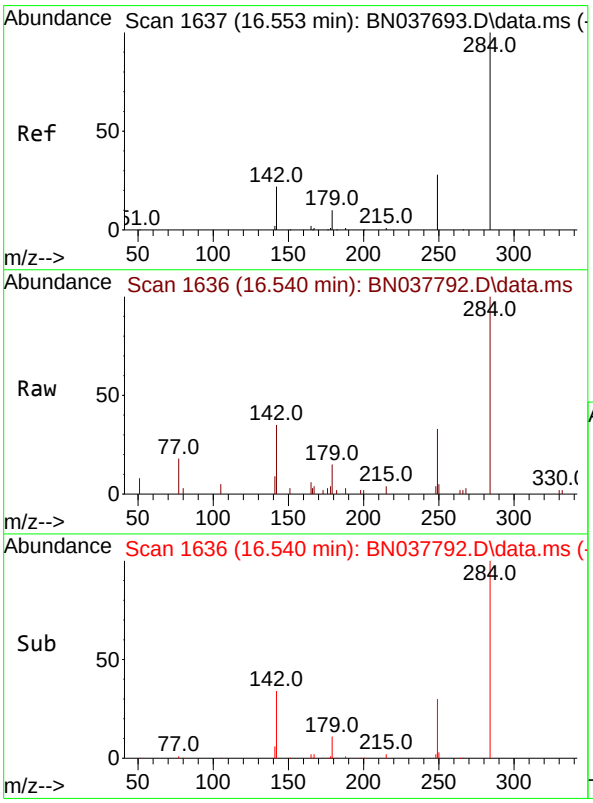
#21
4-Bromophenyl-phenylether
Concen: 0.358 ng
RT: 16.428 min Scan# 1
Delta R.T. -0.013 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Instrument :
BNA_N
ClientSampleId :
PB169693BS

Tgt Ion:248 Resp: 2895

Ion	Ratio	Lower	Upper
248	100		
250	99.0	81.5	122.3
141	51.3	30.8	46.2#

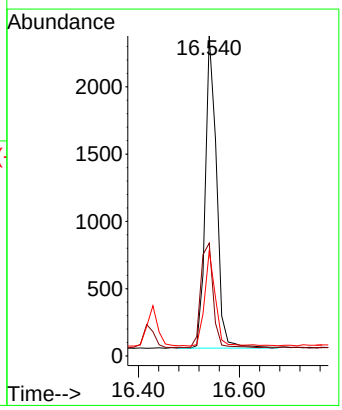


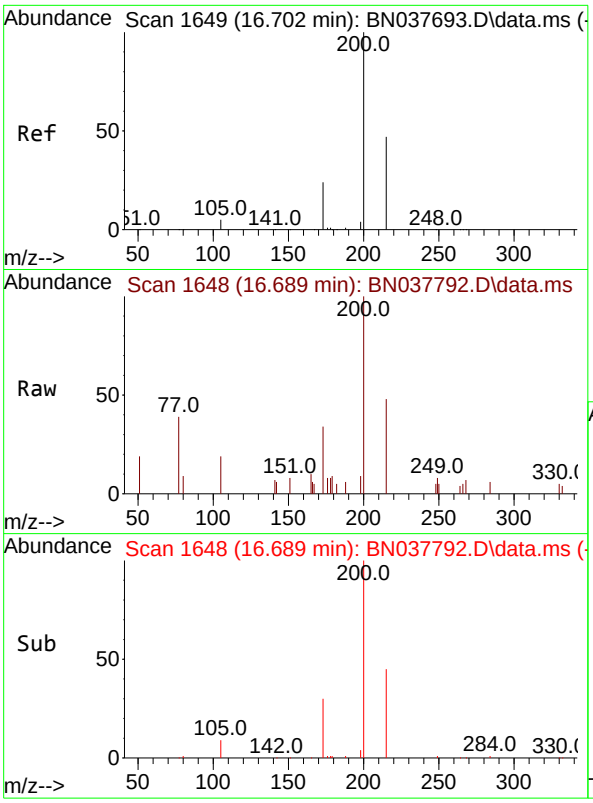


#22
Hexachlorobenzene
Concen: 0.388 ng
RT: 16.540 min Scan# 1636
Delta R.T. -0.013 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Tgt Ion:284 Resp: 3601

Ion	Ratio	Lower	Upper
284	100		
142	37.9	30.9	46.3
249	28.9	24.8	37.2



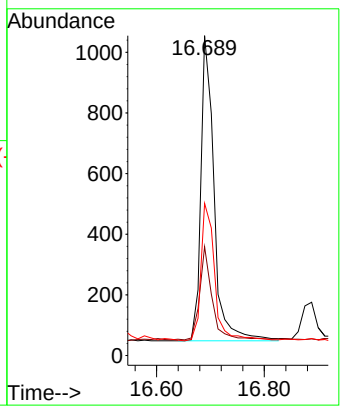


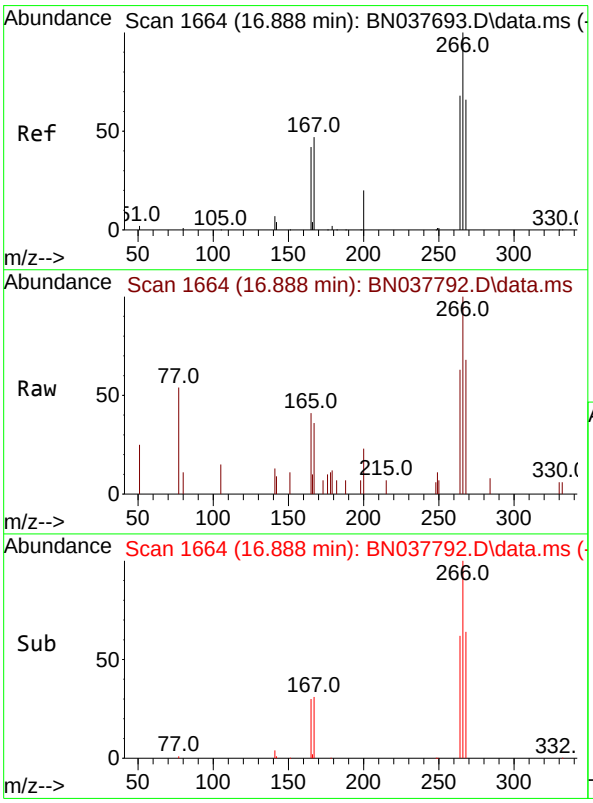
#23
Atrazine
Concen: 0.333 ng
RT: 16.689 min Scan# 1
Delta R.T. -0.013 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Instrument :
BNA_N
ClientSampleId :
PB169693BS

Tgt Ion:200 Resp: 1710

Ion	Ratio	Lower	Upper
200	100		
173	34.0	21.4	32.2#
215	47.6	39.2	58.8

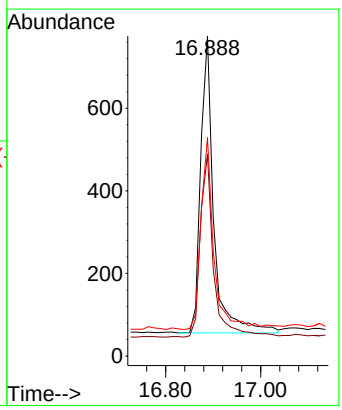


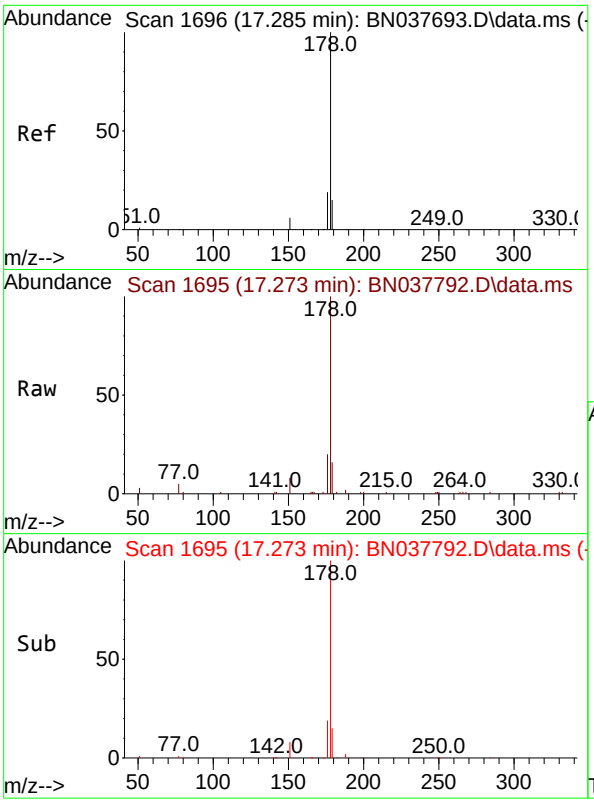


#24
Pentachlorophenol
Concen: 0.515 ng
RT: 16.888 min Scan# 1664
Delta R.T. -0.000 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Tgt Ion:266 Resp: 1388

Ion	Ratio	Lower	Upper
266	100		
264	62.3	51.6	77.4
268	65.3	53.2	79.8



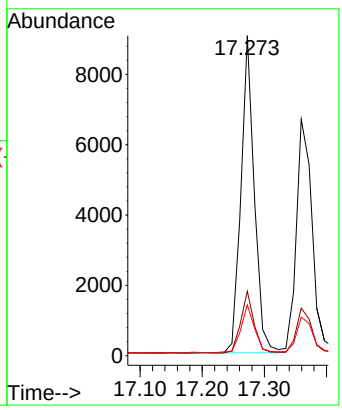


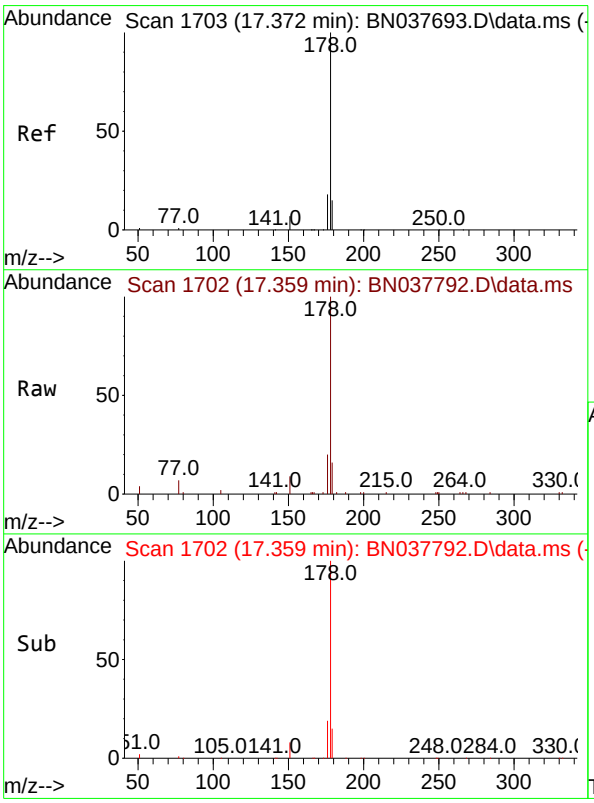
#25
Phenanthrene
Concen: 0.346 ng
RT: 17.273 min Scan# 1
Delta R.T. -0.013 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Instrument :
BNA_N
ClientSampleId :
PB169693BS

Tgt Ion:178 Resp: 13505

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.3	22.9
179	15.3	12.2	18.2

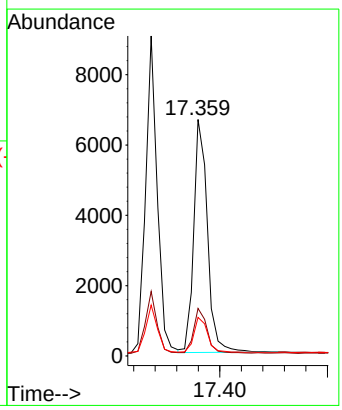


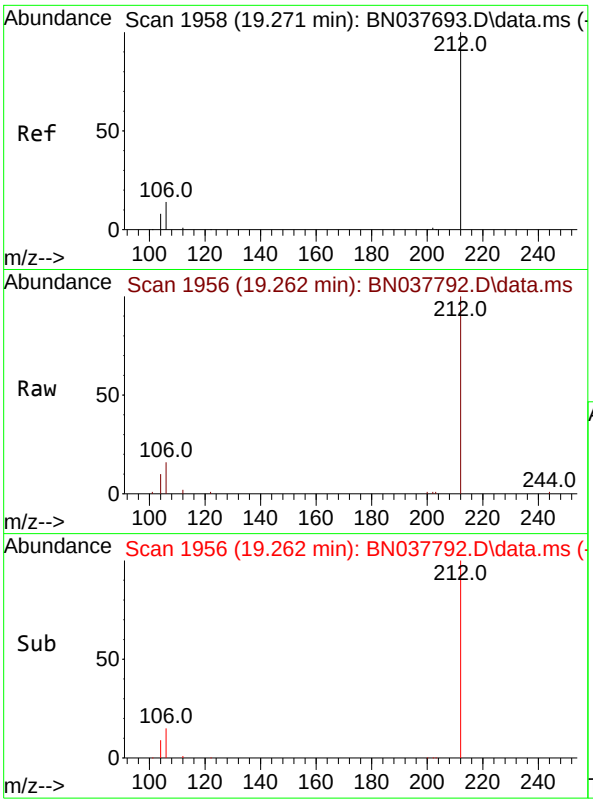


#26
Anthracene
Concen: 0.340 ng
RT: 17.359 min Scan# 1702
Delta R.T. -0.013 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Tgt Ion:178 Resp: 11748

Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.6	22.0
179	15.4	12.2	18.4



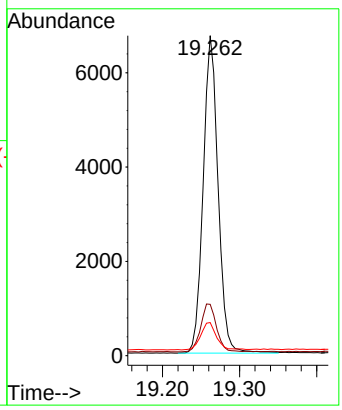


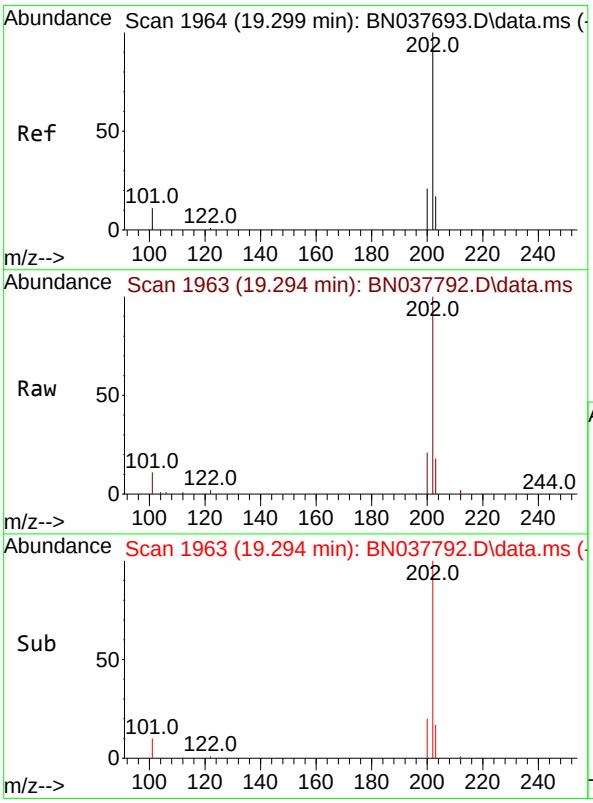
#27
Fluoranthene-d10
Concen: 0.291 ng
RT: 19.262 min Scan# 1
Delta R.T. -0.009 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Instrument :
BNA_N
ClientSampleId :
PB169693BS

Tgt Ion:212 Resp: 9050

Ion	Ratio	Lower	Upper
212	100		
106	15.8	12.2	18.2
104	9.2	6.9	10.3

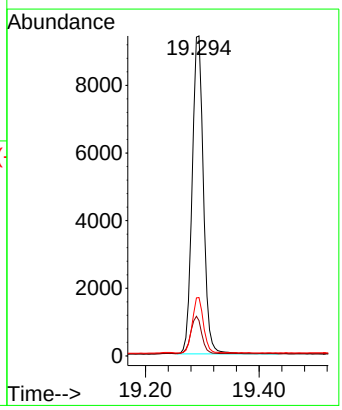


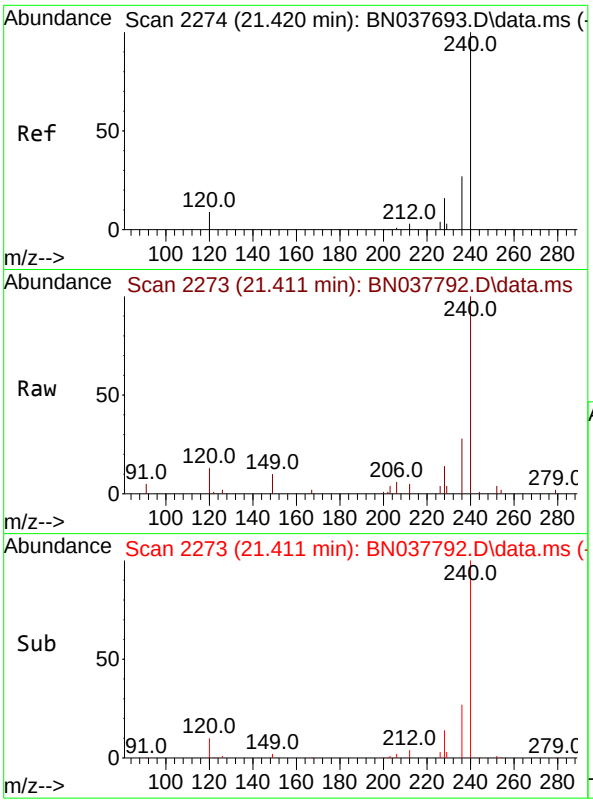


#28
Fluoranthene
Concen: 0.302 ng
RT: 19.294 min Scan# 1963
Delta R.T. -0.005 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Tgt Ion:202 Resp: 12912

Ion	Ratio	Lower	Upper
202	100		
101	11.8	9.3	13.9
203	17.3	13.7	20.5



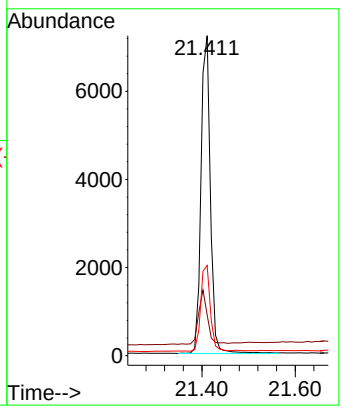


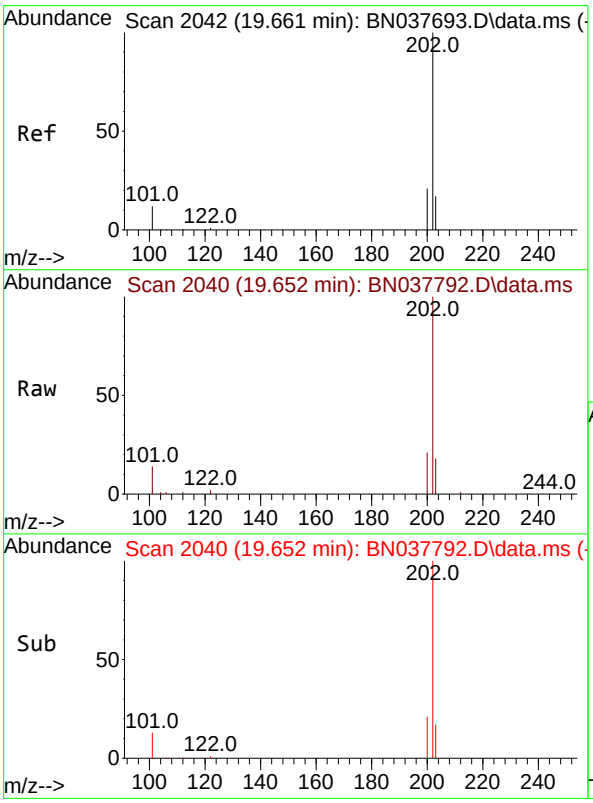
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.411 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Instrument :
BNA_N
ClientSampleId :
PB169693BS

Tgt Ion:240 Resp: 10095

Ion	Ratio	Lower	Upper
240	100		
120	12.7	9.2	13.8
236	28.2	22.6	33.8

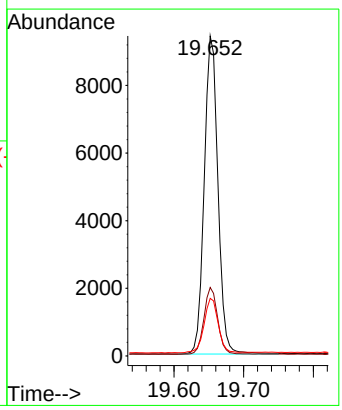


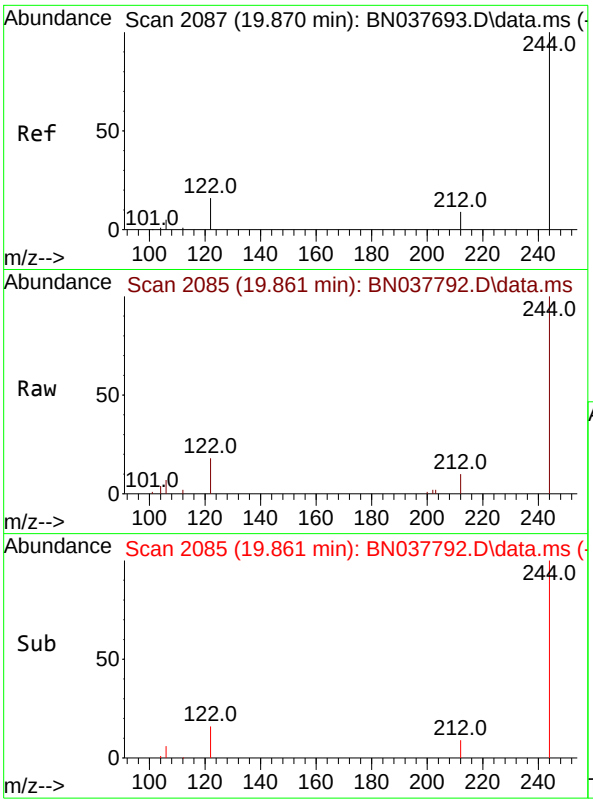


#30
Pyrene
Concen: 0.325 ng
RT: 19.652 min Scan# 2040
Delta R.T. -0.009 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Tgt Ion:202 Resp: 12854

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.8	25.2
203	17.5	14.3	21.5



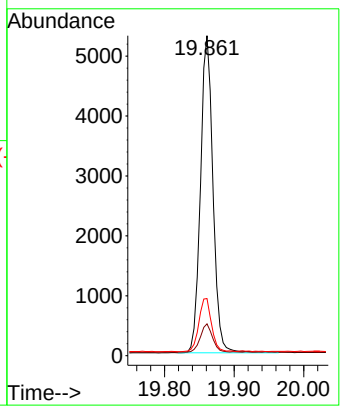


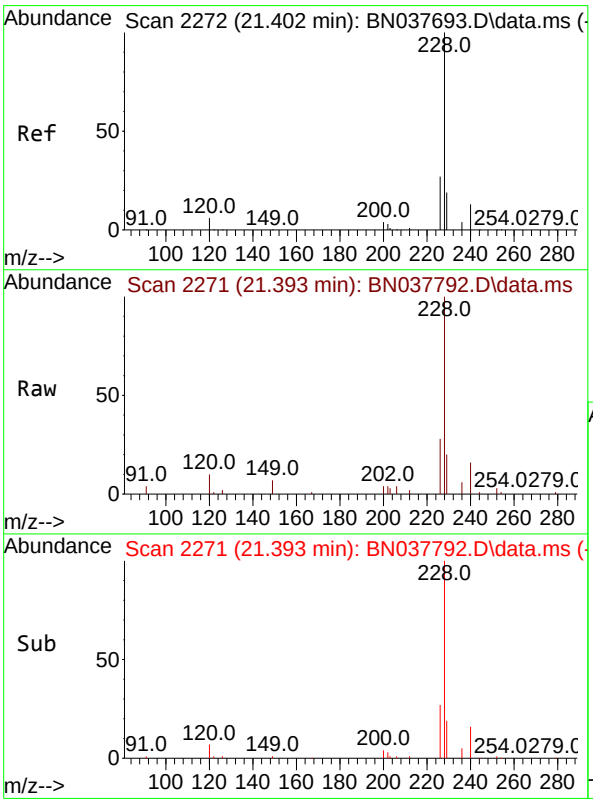
#31
Terphenyl-d14
Concen: 0.322 ng
RT: 19.861 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Instrument :
BNA_N
ClientSampleId :
PB169693BS

Tgt Ion:244 Resp: 6591

Ion	Ratio	Lower	Upper
244	100		
212	10.0	7.5	11.3
122	17.8	13.2	19.8

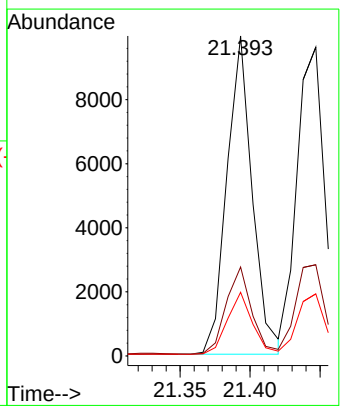


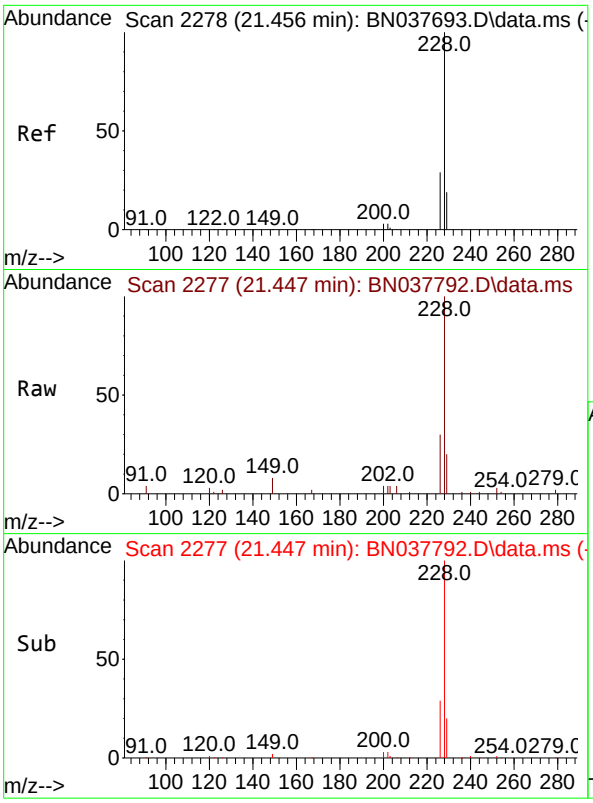


#32
Benzo(a)anthracene
Concen: 0.356 ng
RT: 21.393 min Scan# 2271
Delta R.T. -0.009 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Tgt Ion:228 Resp: 12540

Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.2	33.2
229	19.9	15.8	23.6



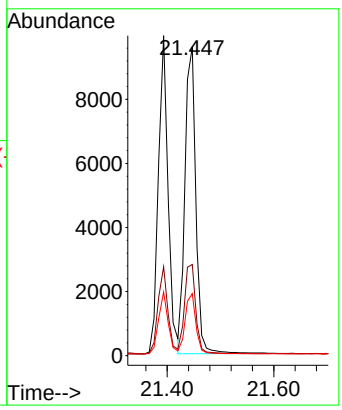


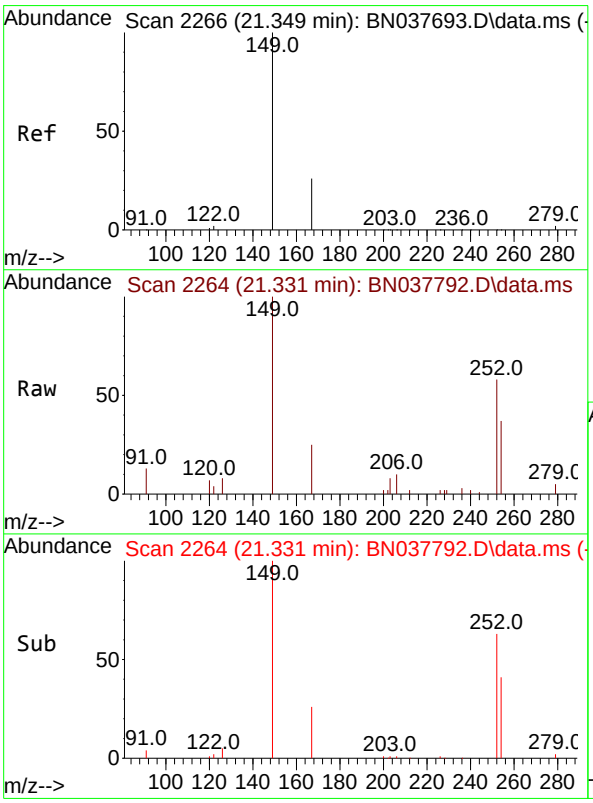
#33
Chrysene
Concen: 0.359 ng
RT: 21.447 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Instrument :
BNA_N
ClientSampleId :
PB169693BS

Tgt Ion:228 Resp: 13567

Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.5	35.3
229	20.1	15.9	23.9

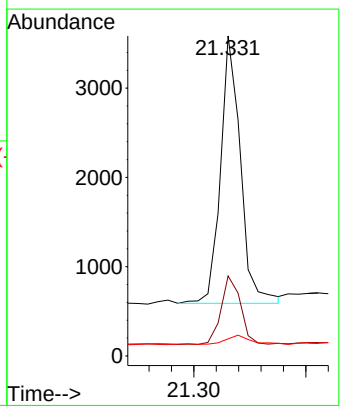


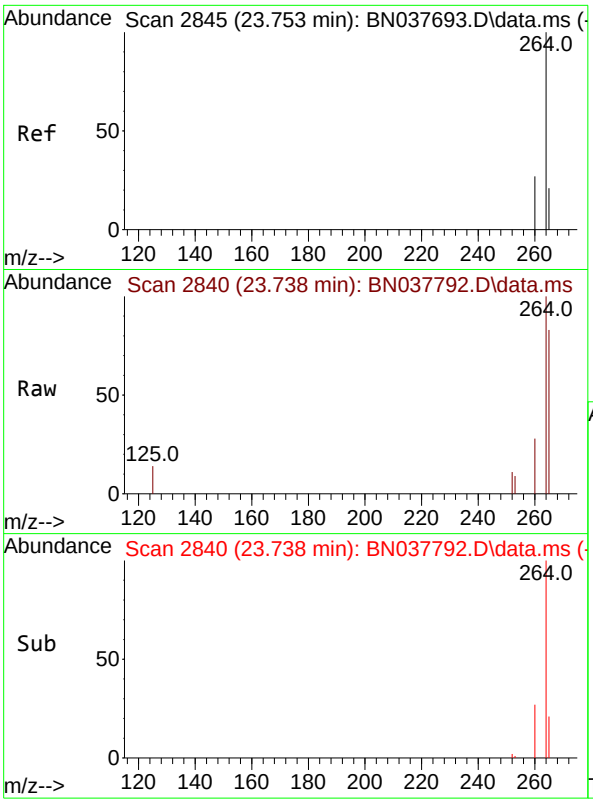


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.355 ng
RT: 21.331 min Scan# 2264
Delta R.T. -0.018 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Tgt Ion:149 Resp: 3708

Ion	Ratio	Lower	Upper
149	100		
167	25.0	20.8	31.2
279	4.3	3.3	4.9



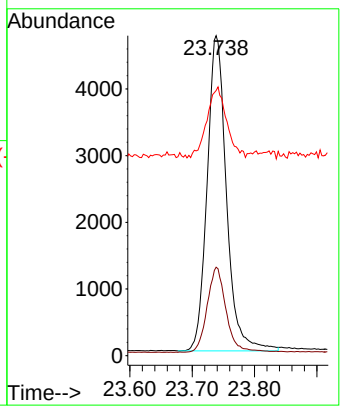


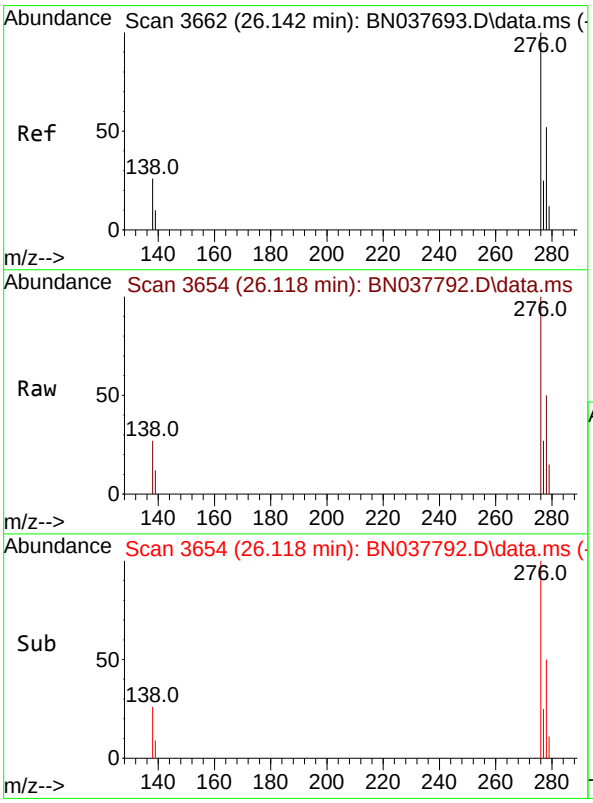
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.738 min Scan# 2
Delta R.T. -0.015 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Instrument :
BNA_N
ClientSampleId :
PB169693BS

Tgt Ion:264 Resp: 10200

Ion	Ratio	Lower	Upper
264	100		
260	27.6	21.8	32.8
265	82.9	39.4	59.2#

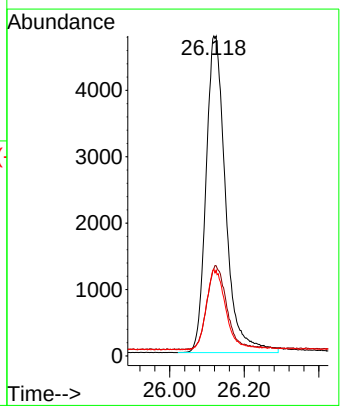


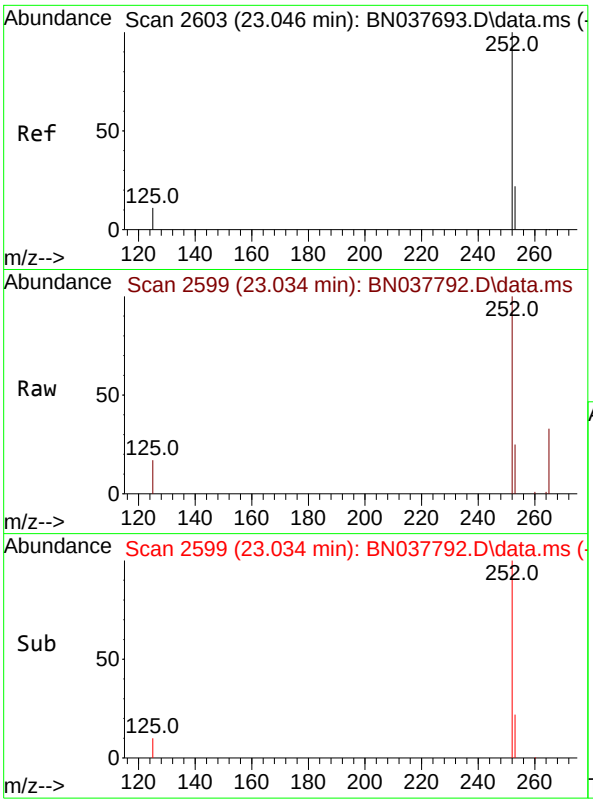


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.407 ng
RT: 26.118 min Scan# 3654
Delta R.T. -0.024 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Tgt Ion:276 Resp: 17423

Ion	Ratio	Lower	Upper
276	100		
138	27.0	21.9	32.9
277	25.2	20.1	30.1



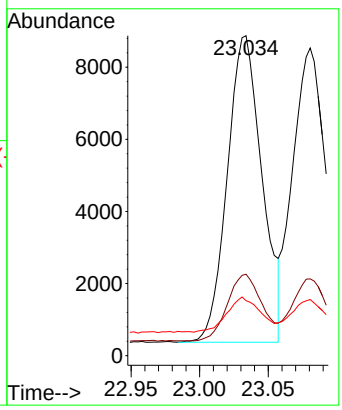


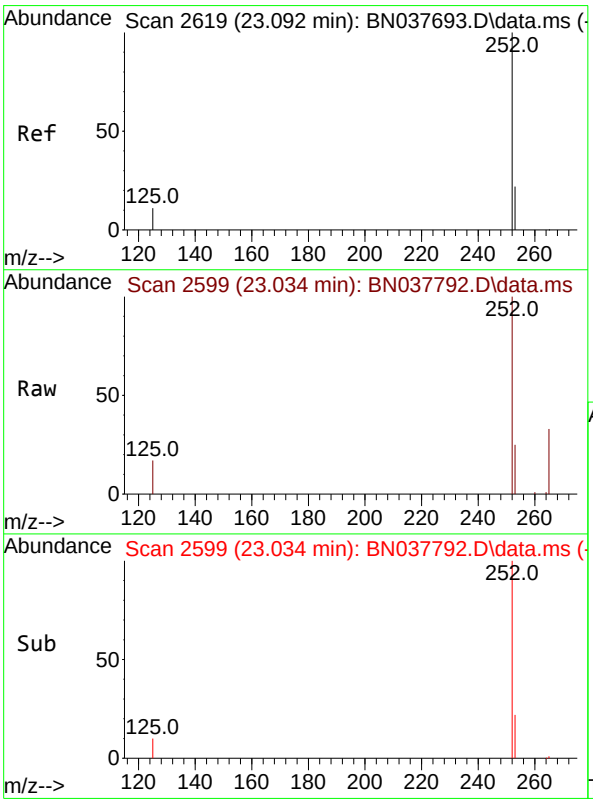
#37
Benzo(b)fluoranthene
Concen: 0.372 ng
RT: 23.034 min Scan# 2
Delta R.T. -0.012 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Instrument :
BNA_N
ClientSampleId :
PB169693BS

Tgt Ion:252 Resp: 14955

Ion	Ratio	Lower	Upper
252	100		
253	25.5	19.4	29.2
125	17.2	11.2	16.8#

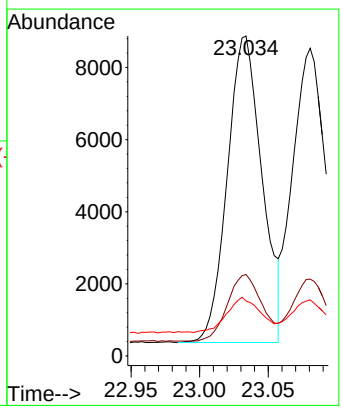


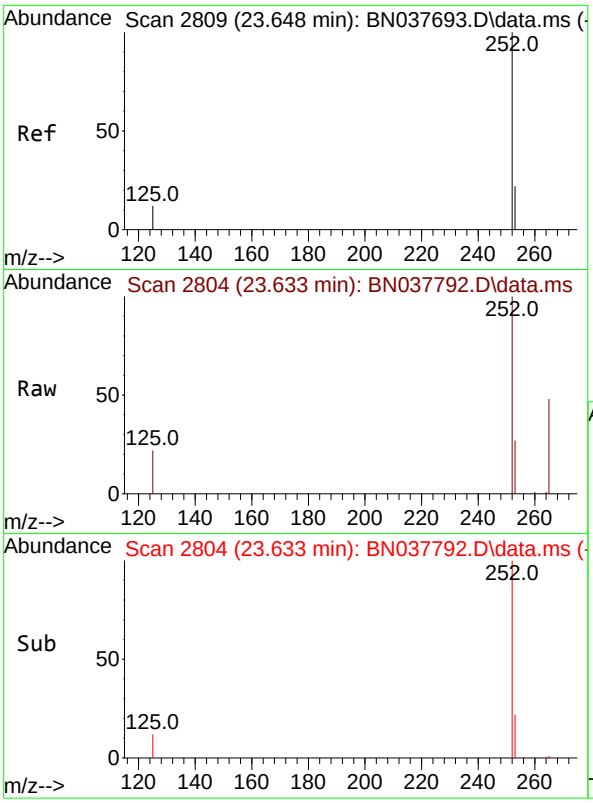


#38
Benzo(k)fluoranthene
Concen: 0.365 ng
RT: 23.034 min Scan# 2599
Delta R.T. -0.059 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Tgt Ion:252 Resp: 14955

Ion	Ratio	Lower	Upper
252	100		
253	25.5	19.4	29.0
125	17.2	11.6	17.4



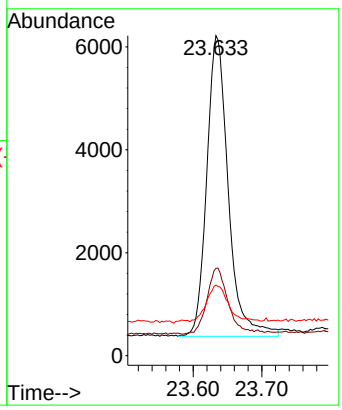


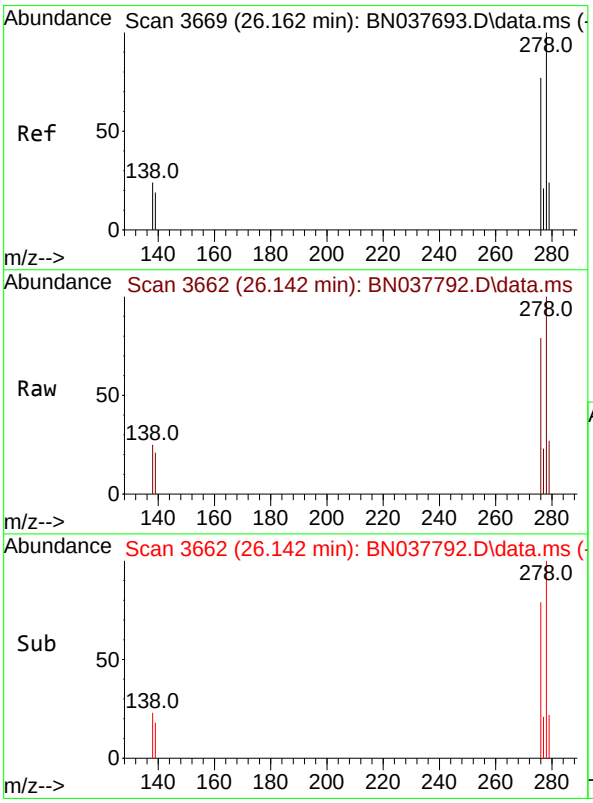
#39
Benzo(a)pyrene
Concen: 0.395 ng
RT: 23.633 min Scan# 2
Delta R.T. -0.015 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Instrument :
BNA_N
ClientSampleId :
PB169693BS

Tgt Ion:252 Resp: 12714

Ion	Ratio	Lower	Upper
252	100		
253	27.3	20.8	31.2
125	22.1	13.9	20.9#

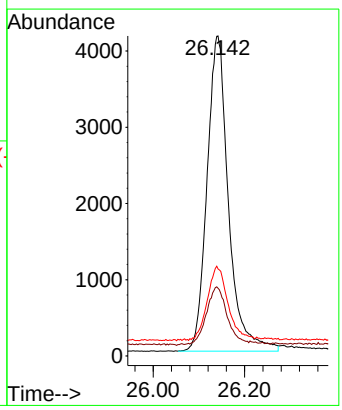


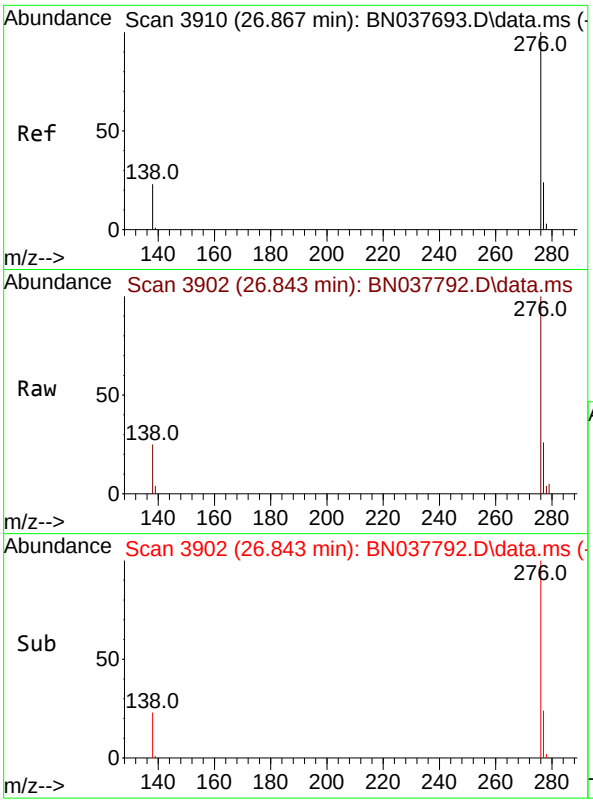


#40
Dibenzo(a,h)anthracene
Concen: 0.394 ng
RT: 26.142 min Scan# 3662
Delta R.T. -0.021 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Tgt Ion:278 Resp: 13475

Ion	Ratio	Lower	Upper
278	100		
139	21.2	17.8	26.6
279	27.2	22.0	33.0





#41
Benzo(g,h,i)perylene
Concen: 0.398 ng
RT: 26.843 min Scan# 3
Delta R.T. -0.024 min
Lab File: BN037792.D
Acq: 19 Sep 2025 00:16

Instrument :
BNA_N
ClientSampleId :
PB169693BS

Tgt Ion:276 Resp: 15272

Ion	Ratio	Lower	Upper
276	100		
277	25.6	20.6	31.0
138	24.8	20.2	30.2