284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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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 : Q3156

ATTENTION : Eleanor Vivadou

Laboratory Certification ID # 20012

Alliance TECHNICAL GROUP

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Cover Page

Order ID : Q3156

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

Client : AECOM Technical Services, Inc.

Lab Sample Number	Client Sample Number
Q3156-02	RE10-MW01S-20250918
Q3156-03	RE131D3-20250918
Q3156-04	TT190D1-20250918
Q3156-05	RE132D2-20250918
Q3156-06	RE132D4-20250918
Q3156-07	TT189D2-20250918
Q3156-08	TT149I1-20250918
Q3156-09	RE132D3-20250918
Q3156-10	TT180D1-20250918
Q3156-11	RE132D1-20250918
Q3156-12	TT190D2-20250918
Q3156-13	EB02-20250918
Q3156-14	EB03-20250918
Q3156-15	TB03-20250912
Q3156-16	RW9-MW01D1-20250919
Q3156-17	TT191D2-20250918
Q3156-18	RW9-MW01S-20250918
Q3156-19	TT191D1-20250918
Q3156-20	DUP09-20250918
Q3156-21	RW9-MW01D3-20250918
Q3156-23	RW9-MW01D2-20250919

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 9:51 am, Oct 03, 2025

Date: 10/3/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

AECOM Technical Services, Inc.
Project Name: NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258
Project # N/A
Order ID # Q3156
Test Name: SVOC-SIMGroup1

A. Number of Samples and Date of Receipt:
20 Water samples were received on 09/19/2025.

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-SemiVolatiles 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 except for,
TT149I1-20250918 [Terphenyl-d14 - 137%],
RE132D1-20250918 [Terphenyl-d14 - 135%],
EB03-20250918 [Terphenyl-d14 - 152%],
RW9-MW01S-20250918 [Terphenyl-d14 - 136%],
TT191D1-20250918 [2-Fluorobiphenyl - 107%, Terphenyl-d14 - 138%],
RW9-MW01D3-20250918 [2-Fluorobiphenyl - 115%, Nitrobenzene-d5 - 114% and Terphenyl-d14 - 144%].Failed surrogates are not associated with DOD, Therefor no further corrective action was taken.

The Internal Standards Areas were met for all analysis except for PB169794BSD, Failed internal standard is not associated with DOD, therefor no further corrective action was taken.

The Retention Times were met for all analysis.
The RPD were met for all analysis.
The Blank Spike met requirements for all compounds.
The Blank Spike Duplicate met requirements for all compounds.
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements.

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The Continuous Calibration met the requirements.
The Tuning criteria met requirements.

Samples RE132D2-20250918, RE132D4-20250918 and TT189D2-20250918 were diluted due to high concentrations.

E. Additional Comments:
The Sample RE10-MW01S-20250918 has the concentration of target compound below Method detection limit; 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.

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

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

Signature APPROVED
By Nimisha Pandya, QA/QC Supervisor at 9:53 am, Oct 03, 2025

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908-789-8900 Fax: 908-789-8922

DATA REPORTING QUALIFIERS- ORGANIC

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

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

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

ORDER ID: Q3156 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 except for, TT149I1-20250918 [Terphenyl-d14 - 137%], RE132D1-20250918 [Terphenyl-d14 - 135%], EB03-20250918 [Terphenyl-d14 - 152%], RW9-MW01S-20250918 [Terphenyl-d14 - 136%], TT191D1-20250918 [2-Fluorobiphenyl - 107%, Terphenyl-d14 - 138%], RW9-MW01D3-20250918 [2-Fluorobiphenyl - 115%, Nitrobenzene-d5 - 114% and Terphenyl-d14 - 144%]. Failed surrogates are not associated with DOD, Therefor no further corrective action was taken.			

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

(CONTINUED)

		NA	NO	YES
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 Blank Spike met requirements for all compounds. The Blank Spike Duplicate met requirements for all compounds.			
9.	Internal Standard Area/Retention Time Shift Meet Criteria		✓	
	Comments: The Internal Standards Areas were met for all analysis except for PB169794BSD, Failed internal standard is not associated with DOD, therefor no further 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:

Samples RE132D2-20250918, RE132D4-20250918 and TT189D2-20250918 were diluted due to high concentrations.

The Sample RE10-MW01S-20250918 has the concentration of target compound below Method detection limit, 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.

QA REVIEW

REVIEWED
By Sohil Jodhani, QA/QC Director at 9:26 am, Oct 03, 2025

Date

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q3156

	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:** 10/03/2025

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LAB CHRONICLE

OrderID:	Q3156	**OrderDate:**	9/19/2025 1:29:00 PM
Client:	AECOM Technical Services, Inc.	**Project:**	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258
Contact:	Eleanor Vivadou	**Location:**	A13,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3156-02	**RE10-MW01S-20250918**	**Water**			**09/18/25**			**09/19/25**
			SVOC-SIMGroup1	8270-Modified		09/23/25	09/25/25	
Q3156-03	**RE131D3-20250918**	**Water**			**09/18/25**			**09/19/25**
			SVOC-SIMGroup1	8270-Modified		09/23/25	09/25/25	
Q3156-04	**TT190D1-20250918**	**Water**			**09/18/25**			**09/19/25**
			SVOC-SIMGroup1	8270-Modified		09/23/25	09/25/25	
Q3156-05	**RE132D2-20250918**	**Water**			**09/18/25**			**09/19/25**
			SVOC-SIMGroup1	8270-Modified		09/23/25	09/25/25	
Q3156-05DL	**RE132D2-20250918DL**	**Water**			**09/18/25**			**09/19/25**
			SVOC-SIMGroup1	8270-Modified		09/23/25	09/29/25	
Q3156-06	**RE132D4-20250918**	**Water**			**09/18/25**			**09/19/25**
			SVOC-SIMGroup1	8270-Modified		09/23/25	09/25/25	
Q3156-06DL	**RE132D4-20250918DL**	**Water**			**09/18/25**			**09/19/25**
			SVOC-SIMGroup1	8270-Modified		09/23/25	09/30/25	
Q3156-07	**TT189D2-20250918**	**Water**			**09/18/25**			**09/19/25**
			SVOC-SIMGroup1	8270-Modified		09/23/25	09/25/25	
Q3156-07DL	**TT189D2-20250918DL**	**Water**			**09/18/25**			**09/19/25**
			SVOC-SIMGroup1	8270-Modified		09/23/25	09/29/25	
Q3156-08	**TT149I1-20250918**	**Water**			**09/18/25**			**09/19/25**
			SVOC-SIMGroup1	8270-Modified		09/23/25	09/26/25	
Q3156-09	**RE132D3-20250918**	**Water**			**09/18/25**			**09/19/25**

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LAB CHRONICLE

			SVOC-SIMGroup1	8270-Modified		09/23/25	09/26/25	
Q3156-10	**TT180D1-20250918**	**Water**			**09/18/25**			**09/19/25**
			SVOC-SIMGroup1	8270-Modified		09/23/25	09/26/25	
Q3156-11	**RE132D1-20250918**	**Water**			**09/18/25**			**09/19/25**
			SVOC-SIMGroup1	8270-Modified		09/23/25	09/26/25	
Q3156-12	**TT190D2-20250918**	**Water**			**09/18/25**			**09/19/25**
			SVOC-SIMGroup1	8270-Modified		09/23/25	09/26/25	
Q3156-13	**EB02-20250918**	**Water**			**09/18/25**			**09/19/25**
			SVOC-SIMGroup1	8270-Modified		09/23/25	09/26/25	
Q3156-14	**EB03-20250918**	**Water**			**09/18/25**			**09/19/25**
			SVOC-SIMGroup1	8270-Modified		09/23/25	09/26/25	
Q3156-16	**RW9-MW01D1-20250919**	**Water**			**09/19/25**			**09/19/25**
			SVOC-SIMGroup1	8270-Modified		09/23/25	09/26/25	
Q3156-17	**TT191D2-20250918**	**Water**			**09/19/25**			**09/19/25**
			SVOC-SIMGroup1	8270-Modified		09/23/25	09/26/25	
Q3156-18	**RW9-MW01S-20250918**	**Water**			**09/19/25**			**09/19/25**
			SVOC-SIMGroup1	8270-Modified		09/23/25	09/26/25	
Q3156-19	**TT191D1-20250918**	**Water**			**09/19/25**			**09/19/25**
			SVOC-SIMGroup1	8270-Modified		09/23/25	09/26/25	
Q3156-20	**DUP09-20250918**	**Water**			**09/19/25**			**09/19/25**
			SVOC-SIMGroup1	8270-Modified		09/23/25	09/26/25	
Q3156-21	**RW9-MW01D3-20250918**	**Water**			**09/19/25**			**09/19/25**
			SVOC-SIMGroup1	8270-Modified		09/23/25	09/26/25	
Q3156-23	**RW9-MW01D2-20250919**	**Water**			**09/19/25**			**09/19/25**
			SVOC-SIMGroup1	8270-Modified		09/23/25	09/26/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3156

Client: AECOM Technical Services, Inc.

Sample ID	Client ID		Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : RE131D3-20250918									
Q3156-03	RE131D3-20250918	WATER	1,4-Dioxane	1.800		0.07	0.2	0.2	ug/L
			Total Svoc :	**1.80**					
			Total Concentration:	**1.80**					
Client ID : TT190D1-20250918									
Q3156-04	TT190D1-20250918	WATER	1,4-Dioxane	1.500		0.07	0.2	0.2	ug/L
			Total Svoc :	**1.50**					
			Total Concentration:	**1.50**					
Client ID : RE132D2-20250918									
Q3156-05	RE132D2-20250918	WATER	1,4-Dioxane	6.100	E	0.07	0.2	0.2	ug/L
			Total Svoc :	**6.10**					
			Total Concentration:	**6.10**					
Client ID : RE132D2-20250918DL									
Q3156-05DL	RE132D2-20250918DL	WATER	1,4-Dioxane	5.500	D	0.13	0.4	0.4	ug/L
			Total Svoc :	**5.50**					
			Total Concentration:	**5.50**					
Client ID : RE132D4-20250918									
Q3156-06	RE132D4-20250918	WATER	1,4-Dioxane	5.100	E	0.07	0.2	0.2	ug/L
			Total Svoc :	**5.10**					
			Total Concentration:	**5.10**					
Client ID : RE132D4-20250918DL									
Q3156-06DL	RE132D4-20250918DL	WATER	1,4-Dioxane	4.800	D	0.13	0.4	0.4	ug/L
			Total Svoc :	**4.80**					
			Total Concentration:	**4.80**					
Client ID : TT189D2-20250918									
Q3156-07	TT189D2-20250918	WATER	1,4-Dioxane	6.200	E	0.07	0.2	0.2	ug/L
			Total Svoc :	**6.20**					
			Total Concentration:	**6.20**					
Client ID : TT189D2-20250918DL									
Q3156-07DL	TT189D2-20250918DL	WATER	1,4-Dioxane	6.000	D	0.13	0.4	0.4	ug/L
			Total Svoc :	**6.00**					
			Total Concentration:	**6.00**					
Client ID : TT149I1-20250918									
Q3156-08	TT149I1-20250918	WATER	1,4-Dioxane	0.520		0.07	0.2	0.2	ug/L
			Total Svoc :	**0.52**					

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Hit Summary Sheet
SW-846

SDG No.: Q3156

Client: AECOM Technical Services, Inc.

Sample ID	Client ID		Parameter	Concentration	C	MDL	LOD	RDL	Units
			Total Concentration:			**0.52**			
Client ID :	**RE132D3-20250918**								
Q3156-09	RE132D3-20250918	WATER	1,4-Dioxane	4.500		0.07	0.2	0.2	ug/L
			Total Svoc :			**4.50**			
			Total Concentration:			**4.50**			
Client ID :	**TT180D1-20250918**								
Q3156-10	TT180D1-20250918	WATER	1,4-Dioxane	3.600		0.07	0.2	0.2	ug/L
			Total Svoc :			**3.60**			
			Total Concentration:			**3.60**			
Client ID :	**RE132D1-20250918**								
Q3156-11	RE132D1-20250918	WATER	1,4-Dioxane	1.400		0.07	0.2	0.2	ug/L
			Total Svoc :			**1.40**			
			Total Concentration:			**1.40**			
Client ID :	**TT190D2-20250918**								
Q3156-12	TT190D2-20250918	WATER	1,4-Dioxane	1.900		0.07	0.2	0.2	ug/L
			Total Svoc :			**1.90**			
			Total Concentration:			**1.90**			
Client ID :	**EB02-20250918**								
Q3156-13	EB02-20250918	WATER	1,4-Dioxane	0.090	J	0.07	0.2	0.2	ug/L
			Total Svoc :			**0.09**			
			Total Concentration:			**0.09**			
Client ID :	**EB03-20250918**								
Q3156-14	EB03-20250918	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 :	**RW9-MW01D1-20250919**								
Q3156-16	RW9-MW01D1-2025091	WATER	1,4-Dioxane	0.360		0.07	0.2	0.2	ug/L
			Total Svoc :			**0.36**			
			Total Concentration:			**0.36**			
Client ID :	**TT191D2-20250918**								
Q3156-17	TT191D2-20250918	WATER	1,4-Dioxane	0.360		0.07	0.2	0.2	ug/L
			Total Svoc :			**0.36**			
			Total Concentration:			**0.36**			
Client ID :	**RW9-MW01S-20250918**								
Q3156-18	RW9-MW01S-20250918	WATER	1,4-Dioxane	0.430		0.07	0.2	0.2	ug/L
			Total Svoc :			**0.43**			

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Hit Summary Sheet
SW-846

SDG No.: Q3156

Client: AECOM Technical Services, Inc.

Sample ID	Client ID		Parameter	Concentration	C	MDL	LOD	RDL	Units
			Total Concentration:			**0.43**			
Client ID :	**TT191D1-20250918**								
Q3156-19	TT191D1-20250918	WATER	1,4-Dioxane	2.800		0.07	0.2	0.2	ug/L
			Total Svoc :			**2.80**			
			Total Concentration:			**2.80**			
Client ID :	**DUP09-20250918**								
Q3156-20	DUP09-20250918	WATER	1,4-Dioxane	2.800		0.07	0.2	0.2	ug/L
			Total Svoc :			**2.80**			
			Total Concentration:			**2.80**			

QC SUMMARY

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

Surrogate Summary

SW-846

SDG No.: Q3156

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
PB169794BL	PB169794BL	2-Methylnaphthalene-d10	0.4	0.33	83		30	150
		Fluoranthene-d10	0.4	0.36	89		30	150
		Nitrobenzene-d5	0.4	0.36	89		55	111
		2-Fluorobiphenyl	0.4	0.37	92		53	106
		Terphenyl-d14	0.4	0.38	95		58	132
PB169794BS	PB169794BS	2-Methylnaphthalene-d10	0.4	0.35	88		30	150
		Fluoranthene-d10	0.4	0.34	84		30	150
		Nitrobenzene-d5	0.4	0.37	91		55	111
		2-Fluorobiphenyl	0.4	0.38	95		53	106
		Terphenyl-d14	0.4	0.39	97		58	132
PB169794BSD	PB169794BSD	2-Methylnaphthalene-d10	0.4	0.38	95		30	150
		Fluoranthene-d10	0.4	0.35	88		30	150
		Nitrobenzene-d5	0.4	0.40	101		55	111
		2-Fluorobiphenyl	0.4	0.42	105		53	106
		Terphenyl-d14	0.4	0.46	114		58	132
Q3156-02	RE10-MW01S-20250918	2-Methylnaphthalene-d10	0.4	0.28	69		30	150
		Fluoranthene-d10	0.4	0.40	99		30	150
		Nitrobenzene-d5	0.4	0.30	76		55	111
		2-Fluorobiphenyl	0.4	0.29	74		53	106
		Terphenyl-d14	0.4	0.47	118		58	132
Q3156-03	RE131D3-20250918	2-Methylnaphthalene-d10	0.4	0.31	77		30	150
		Fluoranthene-d10	0.4	0.40	99		30	150
		Nitrobenzene-d5	0.4	0.33	83		55	111
		2-Fluorobiphenyl	0.4	0.31	78		53	106
		Terphenyl-d14	0.4	0.49	123		58	132
Q3156-04	TT190D1-20250918	2-Methylnaphthalene-d10	0.4	0.30	75		30	150
		Fluoranthene-d10	0.4	0.41	103		30	150
		Nitrobenzene-d5	0.4	0.33	81		55	111
		2-Fluorobiphenyl	0.4	0.31	76		53	106
		Terphenyl-d14	0.4	0.46	116		58	132
Q3156-05	RE132D2-20250918	2-Methylnaphthalene-d10	0.4	0.34	84		30	150
		Fluoranthene-d10	0.4	0.41	102		30	150
		Nitrobenzene-d5	0.4	0.36	90		55	111
		2-Fluorobiphenyl	0.4	0.35	86		53	106
		Terphenyl-d14	0.4	0.50	125		58	132
Q3156-05DL	RE132D2-20250918DL	2-Methylnaphthalene-d10	0.4	0.30	76		30	150
		Fluoranthene-d10	0.4	0.40	100		30	150
		Nitrobenzene-d5	0.4	0.34	84		55	111
		2-Fluorobiphenyl	0.4	0.33	81		53	106
		Terphenyl-d14	0.4	0.42	104		58	132
Q3156-06	RE132D4-20250918	2-Methylnaphthalene-d10	0.4	0.33	83		30	150
		Fluoranthene-d10	0.4	0.42	105		30	150
		Nitrobenzene-d5	0.4	0.36	91		55	111
		2-Fluorobiphenyl	0.4	0.36	89		53	106
		Terphenyl-d14	0.4	0.52	131		58	132
Q3156-06DL	RE132D4-20250918DL	2-Methylnaphthalene-d10	0.4	0.32	80		30	150
		Fluoranthene-d10	0.4	0.42	104		30	150
		Nitrobenzene-d5	0.4	0.34	84		55	111
		2-Fluorobiphenyl	0.4	0.35	88		53	106
		Terphenyl-d14	0.4	0.48	120		58	132
Q3156-07	TT189D2-20250918	2-Methylnaphthalene-d10	0.4	0.31	78		30	150

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Surrogate Summary

SW-846

SDG No.: Q3156

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
Q3156-07	TT189D2-20250918	Fluoranthene-d10	0.4	0.43	108		30	150
		Nitrobenzene-d5	0.4	0.34	86		55	111
		2-Fluorobiphenyl	0.4	0.33	83		53	106
		Terphenyl-d14	0.4	0.52	130		58	132
Q3156-07DL	TT189D2-20250918DL	2-Methylnaphthalene-d10	0.4	0.28	70		30	150
		Fluoranthene-d10	0.4	0.42	106		30	150
		Nitrobenzene-d5	0.4	0.33	83		55	111
		2-Fluorobiphenyl	0.4	0.30	76		53	106
		Terphenyl-d14	0.4	0.49	122		58	132
Q3156-08	TT149I1-20250918	2-Methylnaphthalene-d10	0.4	0.31	77		30	150
		Fluoranthene-d10	0.4	0.44	109		30	150
		Nitrobenzene-d5	0.4	0.35	88		55	111
		2-Fluorobiphenyl	0.4	0.34	85		53	106
		Terphenyl-d14	0.4	0.55	137	*	58	132
Q3156-09	RE132D3-20250918	2-Methylnaphthalene-d10	0.4	0.32	81		30	150
		Fluoranthene-d10	0.4	0.45	111		30	150
		Nitrobenzene-d5	0.4	0.36	90		55	111
		2-Fluorobiphenyl	0.4	0.35	88		53	106
		Terphenyl-d14	0.4	0.51	127		58	132
Q3156-10	TT180D1-20250918	2-Methylnaphthalene-d10	0.4	0.30	75		30	150
		Fluoranthene-d10	0.4	0.43	108		30	150
		Nitrobenzene-d5	0.4	0.35	87		55	111
		2-Fluorobiphenyl	0.4	0.34	85		53	106
		Terphenyl-d14	0.4	0.51	127		58	132
Q3156-11	RE132D1-20250918	2-Methylnaphthalene-d10	0.4	0.31	78		30	150
		Fluoranthene-d10	0.4	0.46	115		30	150
		Nitrobenzene-d5	0.4	0.35	87		55	111
		2-Fluorobiphenyl	0.4	0.37	91		53	106
		Terphenyl-d14	0.4	0.54	135	*	58	132
Q3156-12	TT190D2-20250918	2-Methylnaphthalene-d10	0.4	0.29	72		30	150
		Fluoranthene-d10	0.4	0.43	108		30	150
		Nitrobenzene-d5	0.4	0.34	84		55	111
		2-Fluorobiphenyl	0.4	0.31	77		53	106
		Terphenyl-d14	0.4	0.53	132		58	132
Q3156-13	EB02-20250918	2-Methylnaphthalene-d10	0.4	0.31	76		30	150
		Fluoranthene-d10	0.4	0.42	106		30	150
		Nitrobenzene-d5	0.4	0.35	88		55	111
		2-Fluorobiphenyl	0.4	0.32	79		53	106
		Terphenyl-d14	0.4	0.53	132		58	132
Q3156-14	EB03-20250918	2-Methylnaphthalene-d10	0.4	0.36	89		30	150
		Fluoranthene-d10	0.4	0.43	108		30	150
		Nitrobenzene-d5	0.4	0.36	90		55	111
		2-Fluorobiphenyl	0.4	0.36	89		53	106
		Terphenyl-d14	0.4	0.61	152	*	58	132
Q3156-16	RW9-MW01D1-20250919	2-Methylnaphthalene-d10	0.4	0.38	94		30	150
		Fluoranthene-d10	0.4	0.47	116		30	150
		Nitrobenzene-d5	0.4	0.39	97		55	111
		2-Fluorobiphenyl	0.4	0.40	100		53	106
		Terphenyl-d14	0.4	0.50	126		58	132
Q3156-17	TT191D2-20250918	2-Methylnaphthalene-d10	0.4	0.31	77		30	150
		Fluoranthene-d10	0.4	0.45	112		30	150

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Surrogate Summary

SW-846

SDG No.: Q3156

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
Q3156-17	TT191D2-20250918	Nitrobenzene-d5	0.4	0.34	86		55	111
		2-Fluorobiphenyl	0.4	0.31	78		53	106
		Terphenyl-d14	0.4	0.49	122		58	132
Q3156-18	RW9-MW01S-20250918	2-Methylnaphthalene-d10	0.4	0.36	90		30	150
		Fluoranthene-d10	0.4	0.51	126		30	150
		Nitrobenzene-d5	0.4	0.38	95		55	111
		2-Fluorobiphenyl	0.4	0.37	93		53	106
		Terphenyl-d14	0.4	0.54	136	*	58	132
Q3156-19	TT191D1-20250918	2-Methylnaphthalene-d10	0.4	0.39	96		30	150
		Fluoranthene-d10	0.4	0.50	126		30	150
		Nitrobenzene-d5	0.4	0.41	102		55	111
		2-Fluorobiphenyl	0.4	0.43	107	*	53	106
		Terphenyl-d14	0.4	0.55	138	*	58	132
Q3156-20	DUP09-20250918	2-Methylnaphthalene-d10	0.4	0.40	100		30	150
		Fluoranthene-d10	0.4	0.48	119		30	150
		Nitrobenzene-d5	0.4	0.43	106		55	111
		2-Fluorobiphenyl	0.4	0.42	105		53	106
		Terphenyl-d14	0.4	0.52	129		58	132
Q3156-21	RW9-MW01D3-20250918	2-Methylnaphthalene-d10	0.4	0.43	108		30	150
		Fluoranthene-d10	0.4	0.52	131		30	150
		Nitrobenzene-d5	0.4	0.46	114	*	55	111
		2-Fluorobiphenyl	0.4	0.46	115	*	53	106
		Terphenyl-d14	0.4	0.58	144	*	58	132
Q3156-23	RW9-MW01D2-20250919	2-Methylnaphthalene-d10	0.4	0.33	83		30	150
		Fluoranthene-d10	0.4	0.40	101		30	150
		Nitrobenzene-d5	0.4	0.36	90		55	111
		2-Fluorobiphenyl	0.4	0.37	92		53	106
		Terphenyl-d14	0.4	0.47	117		58	132

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3156 **Analytical Method:** 8270-Modified

Client: AECOM Technical Services, Inc. **DataFile:** BN037905.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB169794BS	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.: Q3156 **Analytical Method:** 8270-Modified

Client: AECOM Technical Services, Inc. **DataFile:** BN037906.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB169794BSD	1,4-Dioxane	0.4	0.34	ug/L	85	13			70	130	20

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID: PB169794BL

Lab Name: Alliance | Contract: AECO15

Lab Code: ACE | SDG NO.: Q3156

Lab File ID: BN037904.D | Lab Sample ID: PB169794BL

Instrument ID: BNA_N | Date Extracted: 09/23/2025

Matrix: (soil/water) Water | Date Analyzed: 09/26/2025

Level: (low/med) LOW | Time Analyzed: 01:03

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB169794BS	PB169794BS	BN037905.D	09/26/2025
RE10-MW01S-20250918	Q3156-02	BN037895.D	09/25/2025
RE131D3-20250918	Q3156-03	BN037896.D	09/25/2025
TT190D1-20250918	Q3156-04	BN037897.D	09/25/2025
PB169794BSD	PB169794BSD	BN037906.D	09/26/2025
RE132D2-20250918	Q3156-05	BN037898.D	09/25/2025
RE132D4-20250918	Q3156-06	BN037899.D	09/25/2025
TT189D2-20250918	Q3156-07	BN037900.D	09/25/2025
TT149I1-20250918	Q3156-08	BN037907.D	09/26/2025
RE132D3-20250918	Q3156-09	BN037908.D	09/26/2025
TT180D1-20250918	Q3156-10	BN037909.D	09/26/2025
RE132D1-20250918	Q3156-11	BN037910.D	09/26/2025
TT190D2-20250918	Q3156-12	BN037911.D	09/26/2025
EB02-20250918	Q3156-13	BN037912.D	09/26/2025
EB03-20250918	Q3156-14	BN037913.D	09/26/2025
RW9-MW01D1-20250919	Q3156-16	BN037914.D	09/26/2025
TT191D2-20250918	Q3156-17	BN037915.D	09/26/2025
RW9-MW01S-20250918	Q3156-18	BN037916.D	09/26/2025
TT191D1-20250918	Q3156-19	BN037917.D	09/26/2025
DUP09-20250918	Q3156-20	BN037918.D	09/26/2025
RW9-MW01D3-20250918	Q3156-21	BN037919.D	09/26/2025
RW9-MW01D2-20250919	Q3156-23	BN037920.D	09/26/2025

COMMENTS:

Form IV SV

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: AECO15

Lab Code: ACE SDG NO.: Q3156

Lab File ID: BN037860.D DFTPP Injection Date: 09/23/2025

Instrument ID: BNA_N DFTPP Injection Time: 11:33

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.7 (1.8) 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	6.9
365	Greater than 1% of mass 198	4.2
441	Present, but less than mass 443	72.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	17.7 (20.8) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC0.1	SSTDICC0.1	BN037861.D	09/23/2025	12:13
SSTDICC0.2	SSTDICC0.2	BN037862.D	09/23/2025	12:49
SSTDICCC0.4	SSTDICCC0.4	BN037863.D	09/23/2025	13:25
SSTDICC0.8	SSTDICC0.8	BN037864.D	09/23/2025	14:02
SSTDICC1.6	SSTDICC1.6	BN037865.D	09/23/2025	14:38
SSTDICC3.2	SSTDICC3.2	BN037866.D	09/23/2025	15:15
SSTDICC5.0	SSTDICC5.0	BN037867.D	09/23/2025	15:51

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: AECO15

Lab Code: ACE SDG NO.: Q3156

Lab File ID: BN037882.D DFTPP Injection Date: 09/25/2025

Instrument ID: BNA_N DFTPP Injection Time: 10:52

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.8 (1.8) 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	7.1
365	Greater than 1% of mass 198	4
441	Present, but less than mass 443	81.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	17.7 (20.9) 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	BN037883.D	09/25/2025	11:31
RE10-MW01S-20250918	Q3156-02	BN037895.D	09/25/2025	18:51
RE131D3-20250918	Q3156-03	BN037896.D	09/25/2025	19:28
TT190D1-20250918	Q3156-04	BN037897.D	09/25/2025	20:05
RE132D2-20250918	Q3156-05	BN037898.D	09/25/2025	20:41
RE132D4-20250918	Q3156-06	BN037899.D	09/25/2025	21:18
TT189D2-20250918	Q3156-07	BN037900.D	09/25/2025	21:54
SSTDCCC0.4EC	SSTDCCC0.4	BN037901.D	09/25/2025	22:31

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: AECO15

Lab Code: ACE SDG NO.: Q3156

Lab File ID: BN037902.D DFTPP Injection Date: 09/25/2025

Instrument ID: BNA_N DFTPP Injection Time: 23:47

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.7 (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	7.1
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	78.7
442	Greater than 50% of mass 198	100.0
443	15.0 - 24.0% of mass 442	20.4 (20.5) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC0.4	SSTDCCC0.4	BN037903.D	09/26/2025	00:27
PB169794BL	PB169794BL	BN037904.D	09/26/2025	01:03
PB169794BS	PB169794BS	BN037905.D	09/26/2025	01:40
PB169794BSD	PB169794BSD	BN037906.D	09/26/2025	02:16
TT149I1-20250918	Q3156-08	BN037907.D	09/26/2025	02:52
RE132D3-20250918	Q3156-09	BN037908.D	09/26/2025	03:29
TT180D1-20250918	Q3156-10	BN037909.D	09/26/2025	04:05
RE132D1-20250918	Q3156-11	BN037910.D	09/26/2025	04:41
TT190D2-20250918	Q3156-12	BN037911.D	09/26/2025	05:18
EB02-20250918	Q3156-13	BN037912.D	09/26/2025	05:54
EB03-20250918	Q3156-14	BN037913.D	09/26/2025	06:30
RW9-MW01D1-20250919	Q3156-16	BN037914.D	09/26/2025	07:06
TT191D2-20250918	Q3156-17	BN037915.D	09/26/2025	07:43
RW9-MW01S-20250918	Q3156-18	BN037916.D	09/26/2025	08:19
TT191D1-20250918	Q3156-19	BN037917.D	09/26/2025	08:55
DUP09-20250918	Q3156-20	BN037918.D	09/26/2025	09:32
RW9-MW01D3-20250918	Q3156-21	BN037919.D	09/26/2025	10:08
RW9-MW01D2-20250919	Q3156-23	BN037920.D	09/26/2025	10:45

Form V SV

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: AECO15

Lab Code: ACE SDG NO.: Q3156

Lab File ID: BN037902.D DFTPP Injection Date: 09/25/2025

Instrument ID: BNA_N DFTPP Injection Time: 23:47

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	37.3
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	7.1
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	16.1
442	Greater than 50% of mass 198	99.9
443	15.0 - 24.0% of mass 442	20.4 (20.5) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC0.4EC	SSTDCCC0.4	BN037921.D	09/26/2025	11:21

Alliance TECHNICAL GROUP
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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: AECO15

Lab Code: ACE SDG NO.: Q3156

Lab File ID: BN037930.D DFTPP Injection Date: 09/29/2025

Instrument ID: BNA_N DFTPP Injection Time: 10:15

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.6 (1.8) 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	6.8
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	81.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	17.1 (20) 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	BN037931.D	09/29/2025	11:30
RE132D2-20250918DL	Q3156-05DL	BN037938.D	09/29/2025	16:57
TT189D2-20250918DL	Q3156-07DL	BN037940.D	09/29/2025	18:09
SSTDCCC0.4EC	SSTDCCC0.4	BN037941.D	09/29/2025	18:46

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: AECO15

Lab Code: ACE SDG NO.: Q3156

Lab File ID: BN037942.D DFTPP Injection Date: 09/30/2025

Instrument ID: BNA_N DFTPP Injection Time: 11:37

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.7 (1.9) 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	6.8
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	76.2
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.8 (21) 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	BN037943.D	09/30/2025	12:16
RE132D4-20250918DL	Q3156-06DL	BN037945.D	09/30/2025	13:29
SSTDCCC0.4EC	SSTDCCC0.4	BN037959.D	09/30/2025	23:14

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3156

Client ID : SSTDCCC0.4 Date Analyzed: 09/25/2025

Lab File ID: BN037883.D Time Analyzed: 11:31

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	5686	7.818	16943	10.63	8938	14.47
	UPPER LIMIT	11372	8.318	33886	11.126	17876	14.973
	LOWER LIMIT	2843	7.318	8471.5	10.126	4469	13.973
	EPA SAMPLE NO.						
01	RE10-MW01S-20250918	6982	7.82	19942	10.63	10587	14.47
02	RE131D3-20250918	7909	7.82	22437	10.63	11826	14.47
03	TT190D1-20250918	7371	7.82	21672	10.63	11695	14.47
04	RE132D2-20250918	7601	7.82	21427	10.63	11165	14.47
05	RE132D4-20250918	7384	7.82	20979	10.63	10786	14.47
06	TT189D2-20250918	6739	7.82	19035	10.63	10075	14.47

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.: Q3156

Client ID: SSTDCCC0.4 Date Analyzed: 09/25/2025

Lab File ID: BN037883.D Time Analyzed: 11:31

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	18224	17.223	15951	21.402	15181	23.73
	UPPER LIMIT	36448	17.723	31902	21.902	30362	24.23
	LOWER LIMIT	9112	16.723	7975.5	20.902	7590.5	23.23
	EPA SAMPLE NO.						
01	RE10-MW01S-20250918	22704	17.22	20254	21.40	19096	23.73
02	RE131D3-20250918	24427	17.22	19066	21.40	15120	23.73
03	TT190D1-20250918	23866	17.22	20074	21.40	17451	23.73
04	RE132D2-20250918	23219	17.22	17732	21.40	14515	23.73
05	RE132D4-20250918	22576	17.22	17392	21.40	13747	23.73
06	TT189D2-20250918	21000	17.22	17568	21.40	16173	23.73

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.: Q3156

Client ID : SSTDCCC0.4 Date Analyzed: 09/26/2025

Lab File ID: BN037903.D Time Analyzed: 00:27

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	8644	7.818	24903	10.63	13049	14.47
	UPPER LIMIT	17288	8.318	49806	11.126	26098	14.973
	LOWER LIMIT	4322	7.318	12451.5	10.126	6524.5	13.973
	EPA SAMPLE NO.						
01	PB169794BL	7888	7.82	21247	10.63	10244	14.47
02	PB169794BS	8269	7.82	22708	10.63	11283	14.47
03	PB169794BSD	7872	7.82	21986	10.63	10679	14.47
04	TT149I1-20250918	6896	7.82	19086	10.63	9820	14.47
05	RE132D3-20250918	6764	7.82	19035	10.63	9869	14.47
06	TT180D1-20250918	6637	7.82	20394	10.63	10463	14.47
07	RE132D1-20250918	6685	7.82	20112	10.63	10348	14.47
08	TT190D2-20250918	8047	7.82	22852	10.62	11726	14.47
09	EB02-20250918	7190	7.82	20705	10.62	11165	14.47
10	EB03-20250918	6448	7.82	20010	10.62	10991	14.47
11	RW9-MW01D1-20250919	5754	7.82	16872	10.62	8712	14.47
12	TT191D2-20250918	7032	7.82	20474	10.62	10961	14.47
13	RW9-MW01S-20250918	6549	7.82	18878	10.62	9985	14.47
14	TT191D1-20250918	6652	7.82	19099	10.62	9587	14.47
15	DUP09-20250918	6521	7.82	18178	10.62	9526	14.47
16	RW9-MW01D3-20250918	6947	7.82	19224	10.63	9834	14.47
17	RW9-MW01D2-20250919	7742	7.82	21958	10.62	11286	14.47

Form VIII SV-1

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3156

Client ID : SSTDCCC0.4 Date Analyzed: 09/26/2025

Lab File ID: BN037903.D Time Analyzed: 00:27

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	8644	7.818	24903	10.63	13049	14.47
UPPER LIMIT	17288	8.318	49806	11.126	26098	14.973
LOWER LIMIT	4322	7.318	12451.5	10.126	6524.5	13.973
EPA SAMPLE NO.						

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3156

Client ID: SSTDCCC0.4 Date Analyzed: 09/26/2025

Lab File ID: BN037903.D Time Analyzed: 00:27

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	25791	17.223	22233	21.402	21166		23.727
	UPPER LIMIT	51582	17.723	44466	21.902	42332		24.227
	LOWER LIMIT	12895.5	16.723	11116.5	20.902	10583		23.227
	EPA SAMPLE NO.							
01	PB169794BL	21199	17.22	17643	21.40	15839		23.73
02	PB169794BS	22331	17.22	17549	21.40	13953		23.73
03	PB169794BSD	20250	17.22	13542	21.40	9649	*	23.73
04	TT149I1-20250918	20338	17.22	16550	21.40	14300		23.73
05	RE132D3-20250918	20274	17.22	16818	21.40	15301		23.73
06	TT180D1-20250918	21440	17.22	17437	21.40	14914		23.73
07	RE132D1-20250918	21581	17.22	17777	21.40	15083		23.73
08	TT190D2-20250918	24423	17.22	18501	21.40	14619		23.73
09	EB02-20250918	22532	17.22	16225	21.40	12882		23.73
10	EB03-20250918	21769	17.22	15802	21.40	12170		23.73
11	RW9-MW01D1-20250919	18412	17.22	15939	21.40	15338		23.73
12	TT191D2-20250918	23227	17.22	21388	21.40	19449		23.73
13	RW9-MW01S-20250918	20629	17.22	16995	21.40	14398		23.73
14	TT191D1-20250918	19938	17.22	16744	21.40	13944		23.73
15	DUP09-20250918	19646	17.22	16645	21.40	14529		23.74
16	RW9-MW01D3-20250918	20208	17.22	16944	21.40	14579		23.74
17	RW9-MW01D2-20250919	22710	17.22	17686	21.40	13838		23.73

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3156

Client ID: SSTDCCC0.4 Date Analyzed: 09/26/2025

Lab File ID: BN037903.D Time Analyzed: 00:27

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	25791	17.223	22233	21.402	21166	23.727
UPPER LIMIT	51582	17.723	44466	21.902	42332	24.227
LOWER LIMIT	12895.5	16.723	11116.5	20.902	10583	23.227
EPA SAMPLE NO.						

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

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

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3156

Client ID : SSTDCCC0.4 Date Analyzed: 09/29/2025

Lab File ID: BN037931.D Time Analyzed: 11:30

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	9694	7.818	28657	10.62	15093	14.47
	UPPER LIMIT	19388	8.318	57314	11.116	30186	14.973
	LOWER LIMIT	4847	7.318	14328.5	10.116	7546.5	13.973
	EPA SAMPLE NO.						
01	RE132D2-20250918DL	5575	7.82	16174	10.62	8394	14.47
02	TT189D2-20250918DL	6024	7.82	17127	10.62	8846	14.47

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.: Q3156

Client ID: SSTDCCC0.4 Date Analyzed: 09/29/2025

Lab File ID: BN037931.D Time Analyzed: 11:30

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	28466	17.211	20163	21.402	15946	23.724
	UPPER LIMIT	56932	17.711	40326	21.902	31892	24.224
	LOWER LIMIT	14233	16.711	10081.5	20.902	7973	23.224
	EPA SAMPLE NO.						
01	RE132D2-20250918DL	17604	17.21	16611	21.39	17857	23.72
02	TT189D2-20250918DL	17911	17.21	15890	21.39	16872	23.72

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.: Q3156

Client ID : SSTDCCC0.4 Date Analyzed: 09/30/2025

Lab File ID: BN037943.D Time Analyzed: 12:16

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	9644	7.811	27222	10.62	14738	14.46
	UPPER LIMIT	19288	8.311	54444	11.116	29476	14.962
	LOWER LIMIT	4822	7.311	13611	10.116	7369	13.962
	EPA SAMPLE NO.						
01	RE132D4-20250918DL	8143	7.81	24296	10.62	12338	14.46

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.: Q3156

Client ID: SSTDCCC0.4 Date Analyzed: 09/30/2025

Lab File ID: BN037943.D Time Analyzed: 12:16

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	29357	17.211	26509	21.402	23943	23.724
	UPPER LIMIT	58714	17.711	53018	21.902	47886	24.224
	LOWER LIMIT	14678.5	16.711	13254.5	20.902	11971.5	23.224
	EPA SAMPLE NO.						
01	RE132D4-20250918DL	25715	17.21	21779	21.40	20219	23.73

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:	09/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/19/25
Client Sample ID:	RE10-MW01S-20250918	SDG No.:	Q3156
Lab Sample ID:	Q3156-02	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
BN037895.D	1	09/23/25 09:15	09/25/25 18:51	PB169794

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.21	U	0.070	0.21	0.21	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.28		30 - 150		69%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.40		30 - 150		99%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.30		55 - 111		76%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.29		53 - 106		74%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.47		58 - 132		118%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6980	7.818				
1146-65-2	Naphthalene-d8	19900	10.626				
15067-26-2	Acenaphthene-d10	10600	14.473				
1517-22-2	Phenanthrene-d10	22700	17.223				
1719-03-5	Chrysene-d12	20300	21.402				
1520-96-3	Perylene-d12	19100	23.733				

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\BN092525\
Data File : BN037895.D
Acq On : 25 Sep 2025 18:51
Operator : RC/JU
Sample : Q3156-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE10-MW01S-20250918

Quant Time: Sep 25 19:16:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration

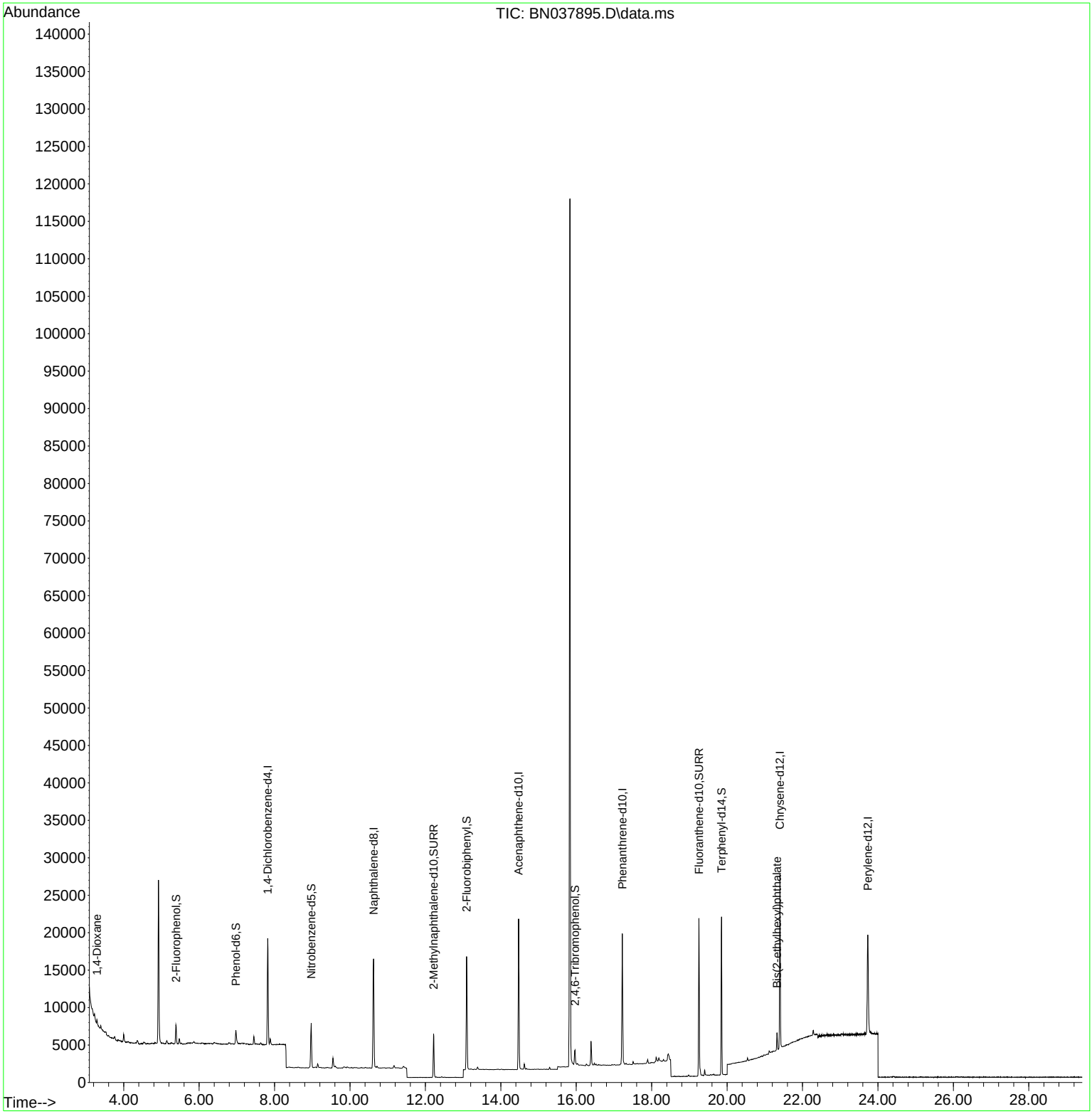
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.818	152	6982	0.400	ng	0.00
7) Naphthalene-d8	10.626	136	19942	0.400	ng	0.00
13) Acenaphthene-d10	14.473	164	10587	0.400	ng	0.00
19) Phenanthrene-d10	17.223	188	22704	0.400	ng	0.00
29) Chrysene-d12	21.402	240	20254	0.400	ng	0.00
35) Perylene-d12	23.733	264	19096	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.391	112	2112	0.133	ng	0.00
5) Phenol-d6	6.973	99	1645	0.079	ng	0.00
8) Nitrobenzene-d5	8.971	82	4628	0.304	ng	0.00
11) 2-Methylnaphthalene-d10	12.217	152	7706	0.278	ng	0.00
14) 2,4,6-Tribromophenol	15.969	330	1294	0.322	ng	0.00
15) 2-Fluorobiphenyl	13.094	172	12724	0.294	ng	0.00
27) Fluoranthene-d10	19.252	212	22662	0.397	ng	0.00
31) Terphenyl-d14	19.852	244	18998	0.471	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.290	88	420	0.059	ng	# 53
34) Bis(2-ethylhexyl)phtha...	21.322	149	2525	0.090	ng	# 96

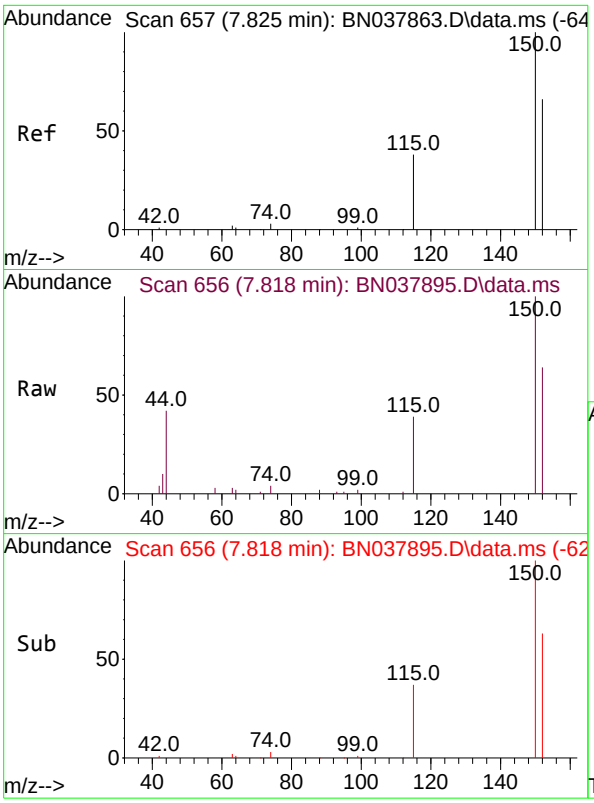
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092525\
Data File : BN037895.D
Acq On : 25 Sep 2025 18:51
Operator : RC/JU
Sample : Q3156-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE10-MW01S-20250918

Quant Time: Sep 25 19:16:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration



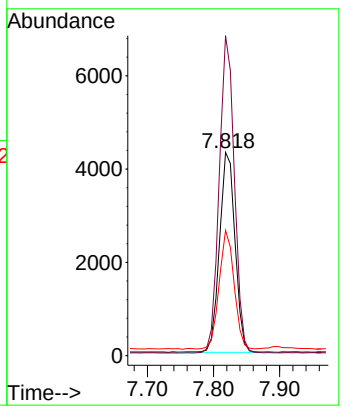


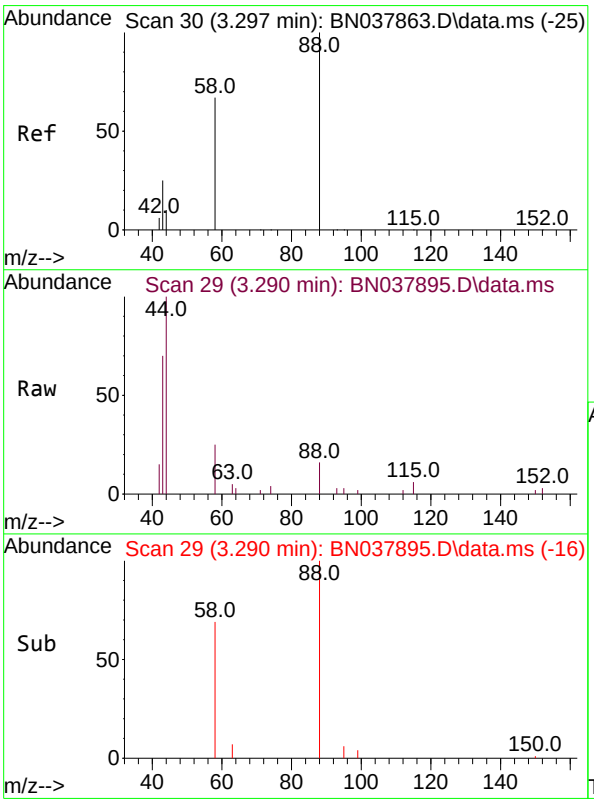
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.818 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN037895.D
Acq: 25 Sep 2025 18:51

Instrument :
BNA_N
ClientSampleId :
RE10-MW01S-20250918

Tgt Ion:152 Resp: 6982

Ion	Ratio	Lower	Upper
152	100		
150	157.4	121.0	181.4
115	61.6	47.4	71.0

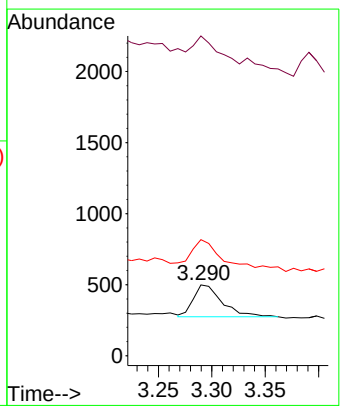


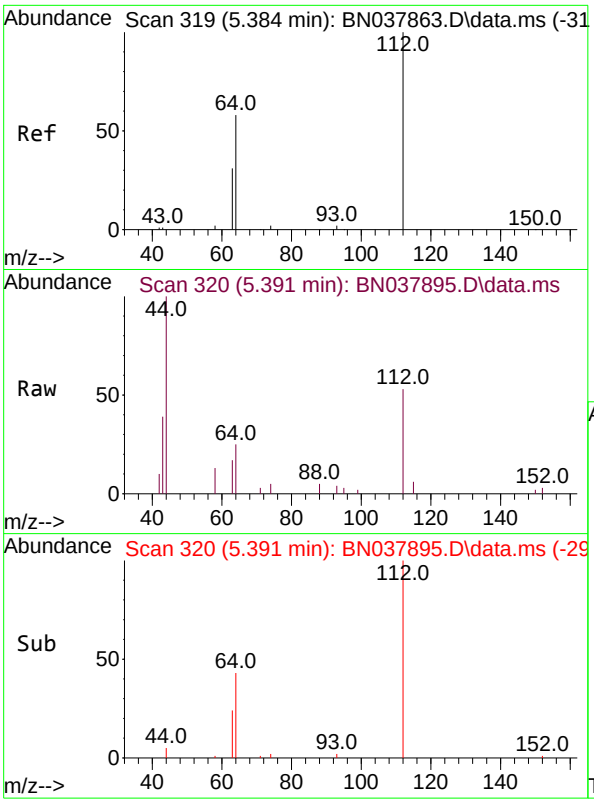


#2
1,4-Dioxane
Concen: 0.059 ng
RT: 3.290 min Scan# 29
Delta R.T. -0.007 min
Lab File: BN037895.D
Acq: 25 Sep 2025 18:51

Tgt Ion: 88 Resp: 420

Ion	Ratio	Lower	Upper
88	100		
43	107.6	26.6	39.8#
58	81.2	58.9	88.3



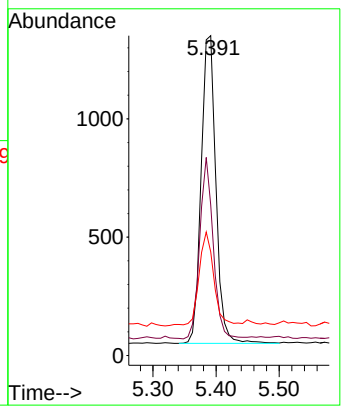


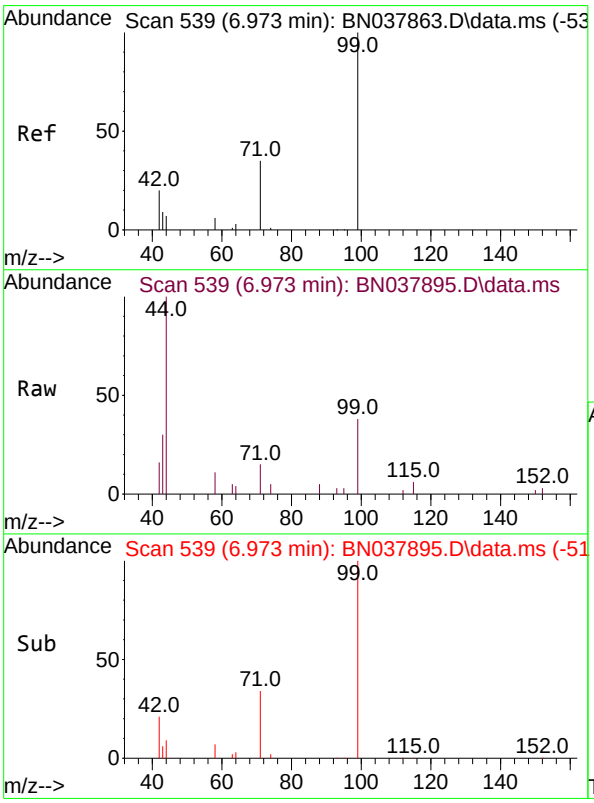
#4
2-Fluorophenol
Concen: 0.133 ng
RT: 5.391 min Scan# 3
Delta R.T. 0.007 min
Lab File: BN037895.D
Acq: 25 Sep 2025 18:51

Instrument :
BNA_N
ClientSampleId :
RE10-MW01S-20250918

Tgt Ion:112 Resp: 2112

Ion	Ratio	Lower	Upper
112	100		
64	54.0	44.6	66.8
63	30.8	24.9	37.3

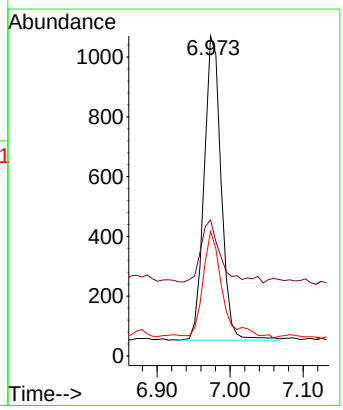


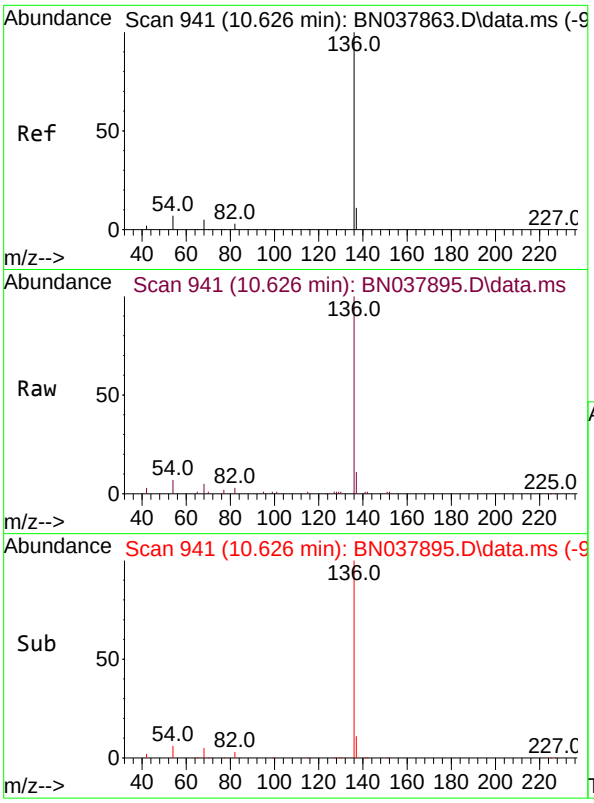


#5
Phenol-d6
Concen: 0.079 ng
RT: 6.973 min Scan# 539
Delta R.T. -0.000 min
Lab File: BN037895.D
Acq: 25 Sep 2025 18:51

Tgt Ion: 99 Resp: 1645

Ion	Ratio	Lower	Upper
99	100		
42	24.3	17.2	25.8
71	40.2	27.3	40.9



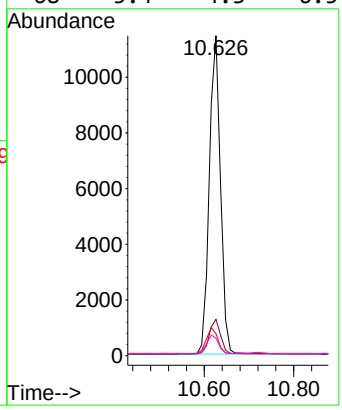


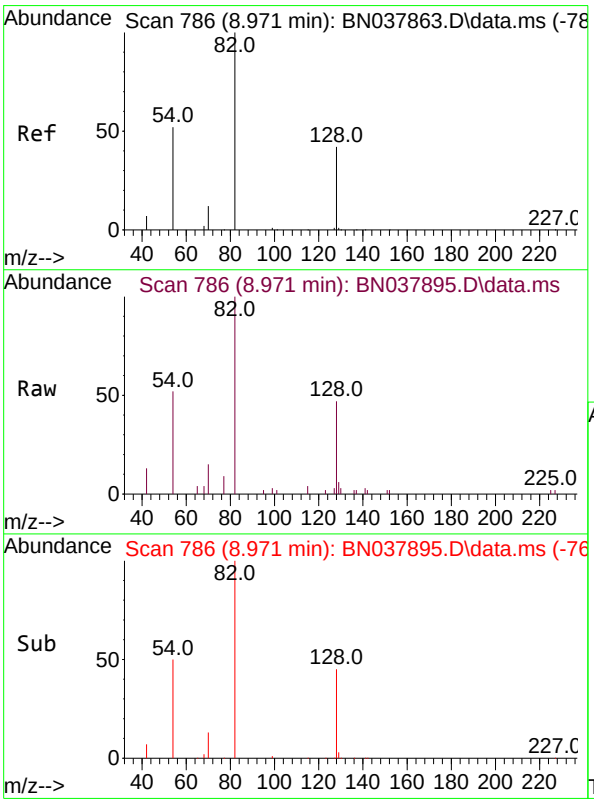
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.626 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN037895.D
Acq: 25 Sep 2025 18:51

Instrument :
BNA_N
ClientSampleId :
RE10-MW01S-20250918

Tgt Ion:136 Resp: 19942

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.4
54	6.9	5.8	8.8
68	5.4	4.3	6.5

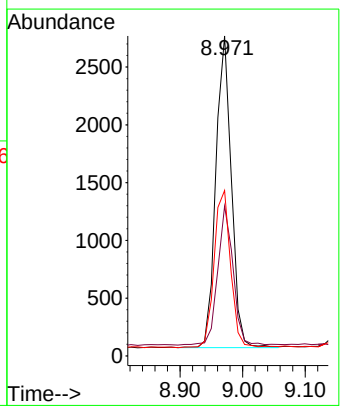


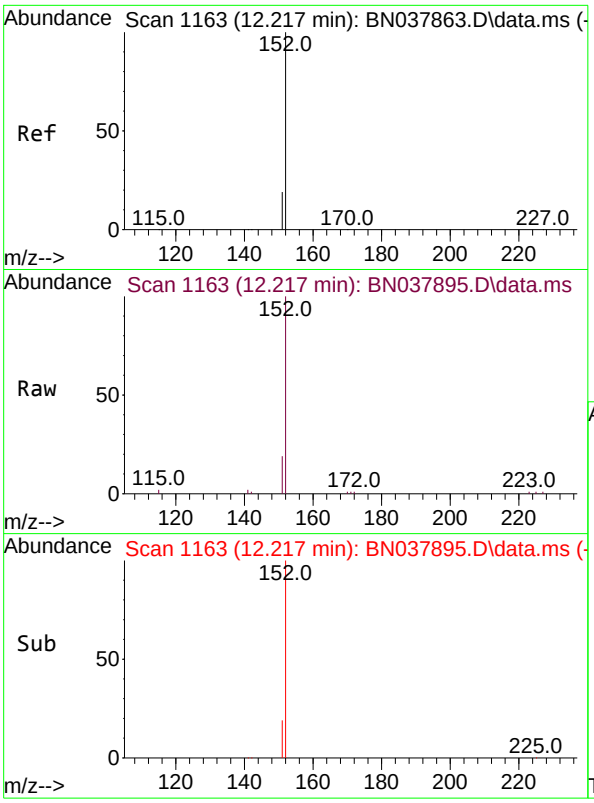


#8
Nitrobenzene-d5
Concen: 0.304 ng
RT: 8.971 min Scan# 786
Delta R.T. -0.000 min
Lab File: BN037895.D
Acq: 25 Sep 2025 18:51

Tgt Ion: 82 Resp: 4628

Ion	Ratio	Lower	Upper
82	100		
128	46.8	34.8	52.2
54	51.7	42.2	63.2



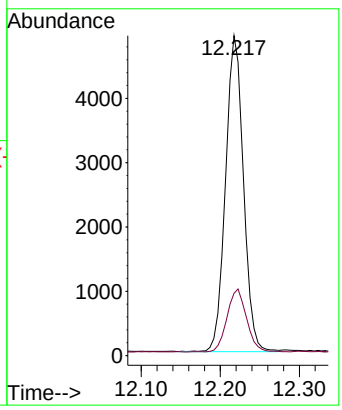


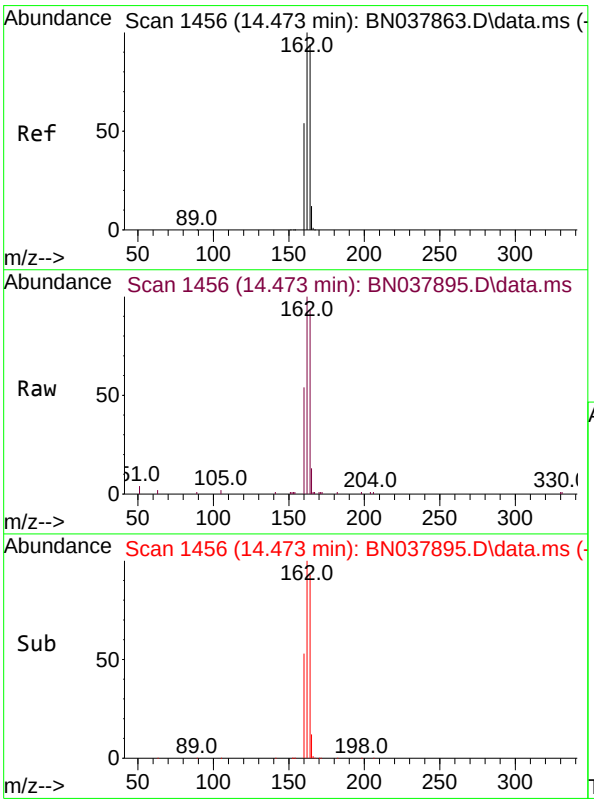
#11
2-Methylnaphthalene-d10
Concen: 0.278 ng
RT: 12.217 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN037895.D
Acq: 25 Sep 2025 18:51

Instrument :
BNA_N
ClientSampleId :
RE10-MW01S-20250918

Tgt Ion:152 Resp: 7706

Ion	Ratio	Lower	Upper
152	100		
151	21.8	17.4	26.2

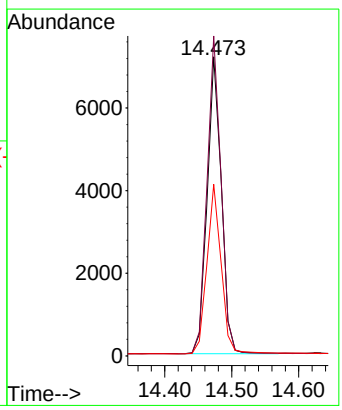


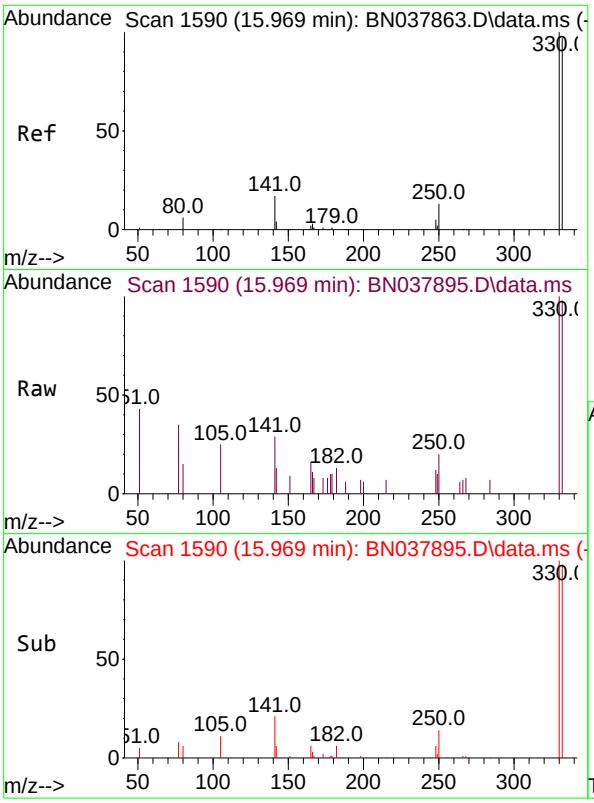


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.473 min Scan# 1456
Delta R.T. -0.000 min
Lab File: BN037895.D
Acq: 25 Sep 2025 18:51

Tgt Ion:164 Resp: 10587

Ion	Ratio	Lower	Upper
164	100		
162	107.0	84.8	127.2
160	57.4	46.1	69.1



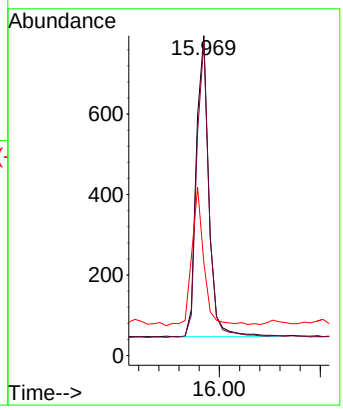


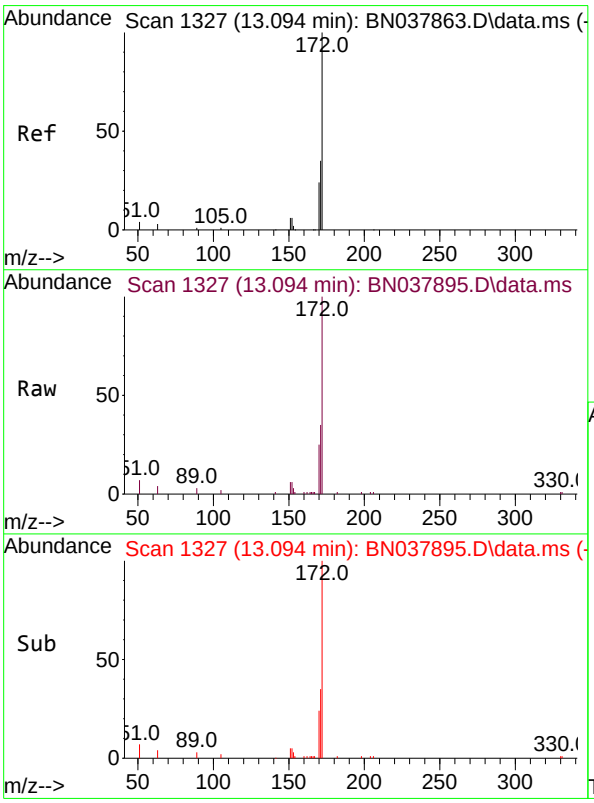
#14
2,4,6-Tribromophenol
Concen: 0.322 ng
RT: 15.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037895.D
Acq: 25 Sep 2025 18:51

Instrument :
BNA_N
ClientSampleId :
RE10-MW01S-20250918

Tgt Ion:330 Resp: 1294

Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.2	115.8
141	45.1	37.2	55.8

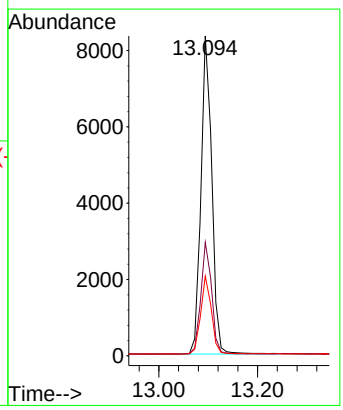


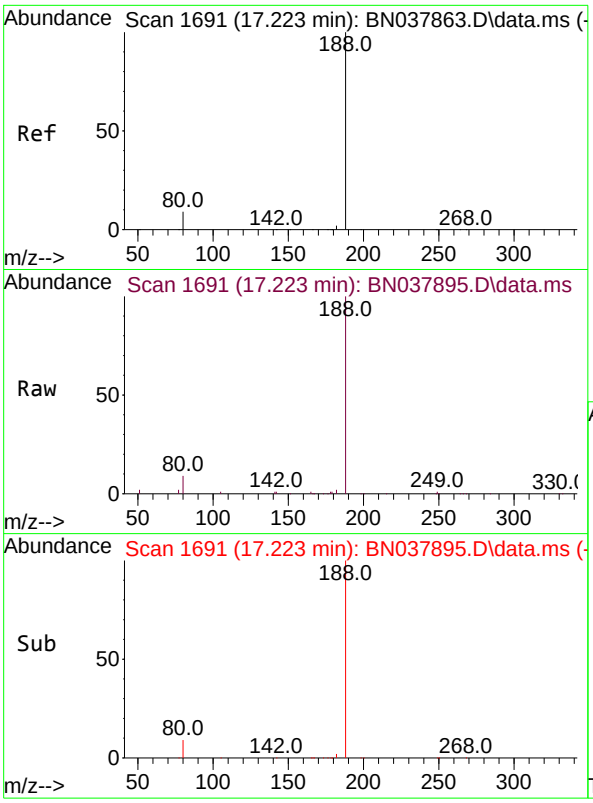


#15
2-Fluorobiphenyl
Concen: 0.294 ng
RT: 13.094 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BN037895.D
Acq: 25 Sep 2025 18:51

Tgt Ion:172 Resp: 12724

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.6	43.0
170	24.9	19.7	29.5



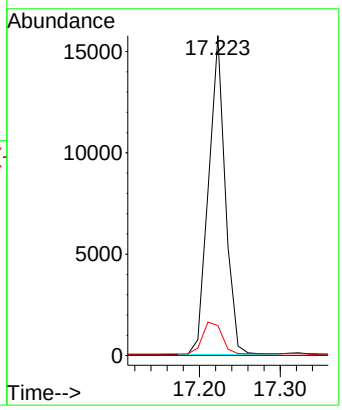


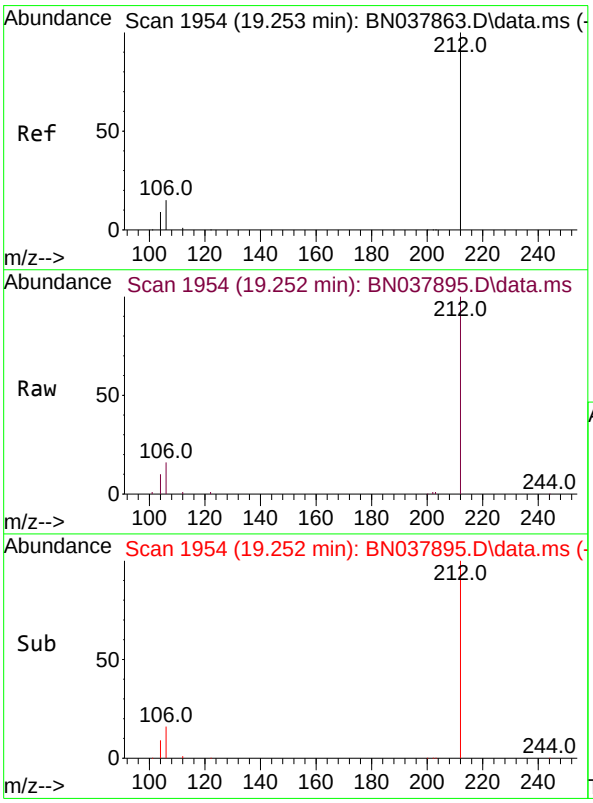
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.223 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037895.D
Acq: 25 Sep 2025 18:51

Instrument :
BNA_N
ClientSampleId :
RE10-MW01S-20250918

Tgt Ion:188 Resp: 22704

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.4	7.6	11.4

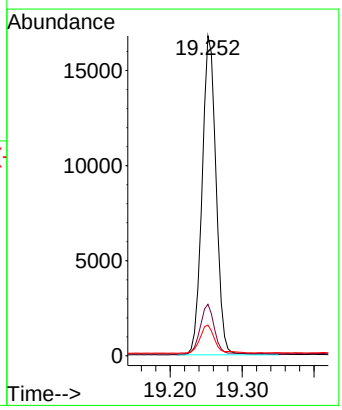


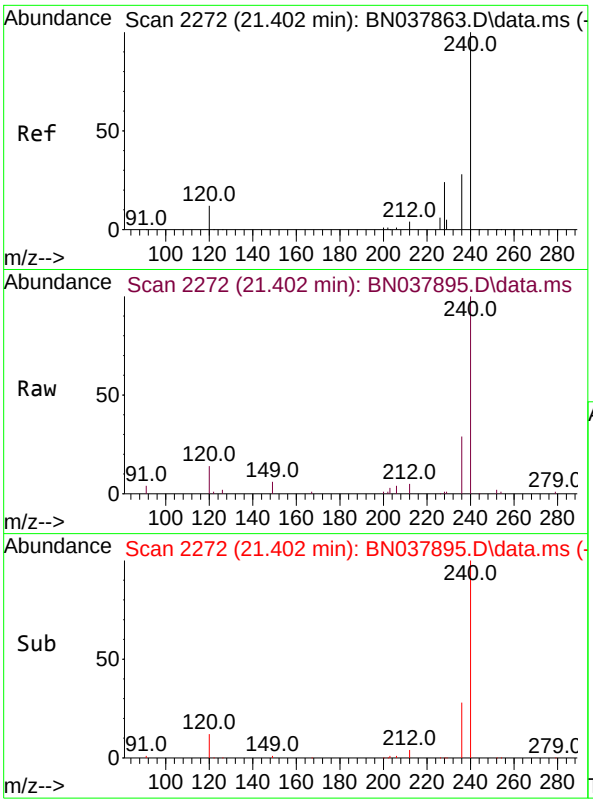


#27
Fluoranthene-d10
Concen: 0.397 ng
RT: 19.252 min Scan# 1954
Delta R.T. -0.000 min
Lab File: BN037895.D
Acq: 25 Sep 2025 18:51

Tgt Ion:212 Resp: 22662

Ion	Ratio	Lower	Upper
212	100		
106	15.6	12.6	19.0
104	9.5	7.4	11.0



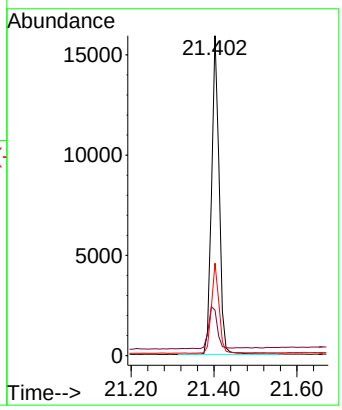


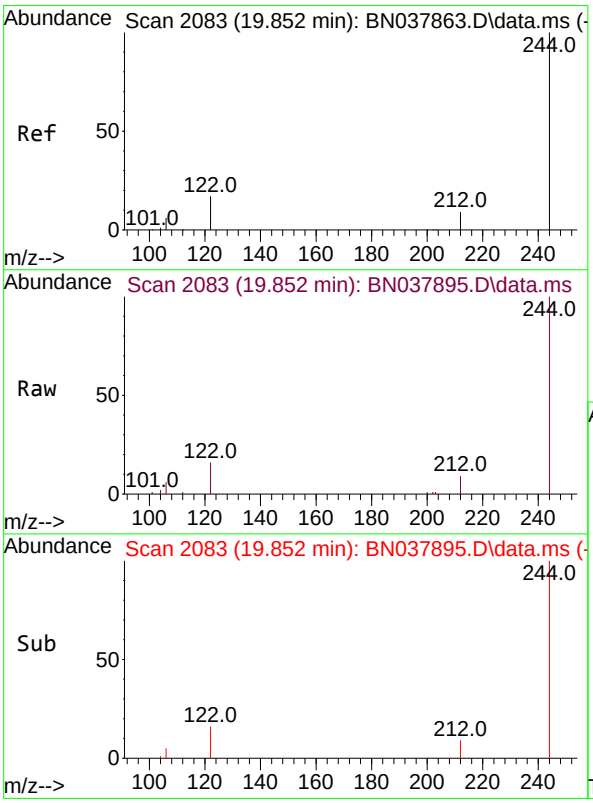
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.402 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN037895.D
Acq: 25 Sep 2025 18:51

Instrument :
BNA_N
ClientSampleId :
RE10-MW01S-20250918

Tgt Ion:240 Resp: 20254

Ion	Ratio	Lower	Upper
240	100		
120	14.2	11.4	17.2
236	28.9	23.0	34.6

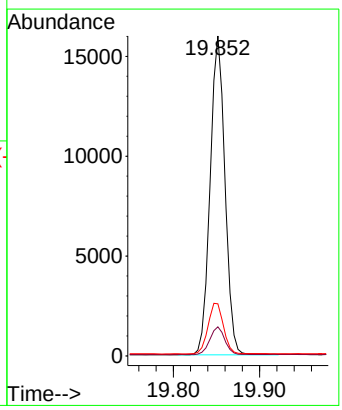


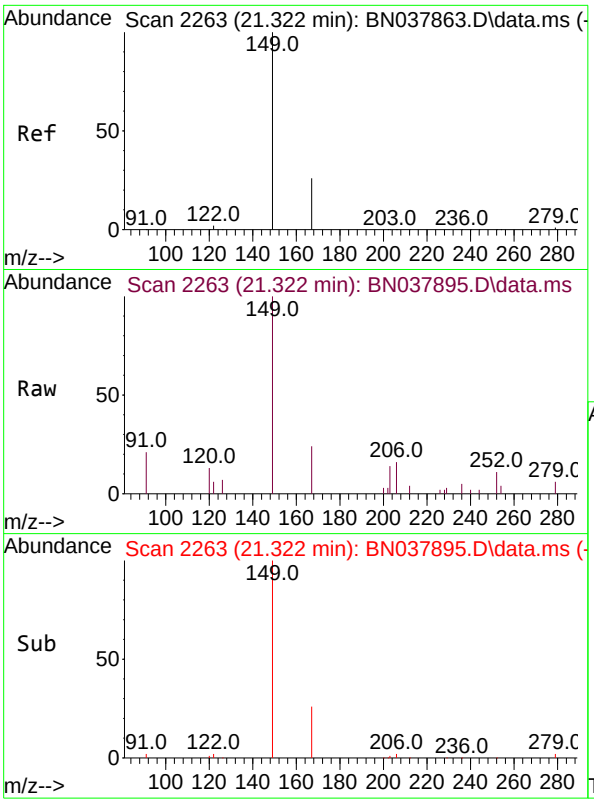


#31
Terphenyl-d14
Concen: 0.471 ng
RT: 19.852 min Scan# 2083
Delta R.T. -0.000 min
Lab File: BN037895.D
Acq: 25 Sep 2025 18:51

Tgt Ion:244 Resp: 18998

Ion	Ratio	Lower	Upper
244	100		
212	9.1	7.6	11.4
122	16.3	13.9	20.9



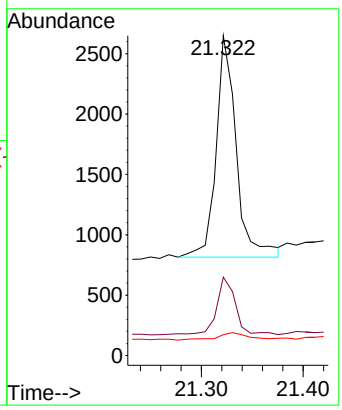


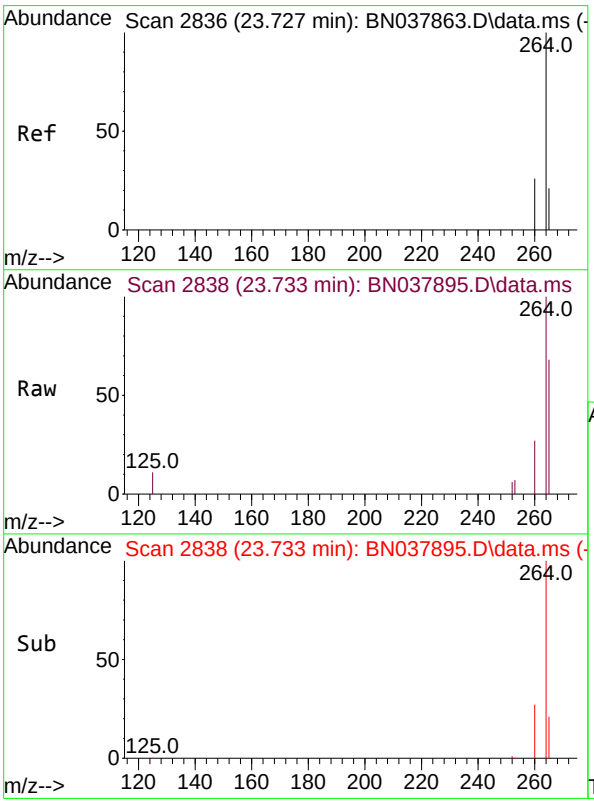
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.090 ng
RT: 21.322 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN037895.D
Acq: 25 Sep 2025 18:51

Instrument :
BNA_N
ClientSampleId :
RE10-MW01S-20250918

Tgt Ion:149 Resp: 2525

Ion	Ratio	Lower	Upper
149	100		
167	23.8	20.4	30.6
279	5.2	2.4	3.6#

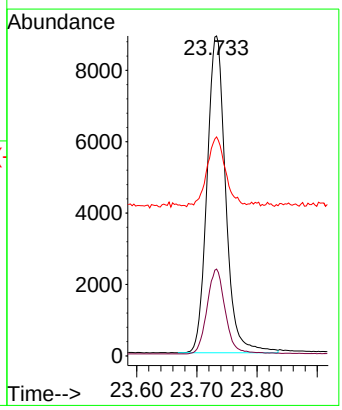




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.733 min Scan# 2838
Delta R.T. 0.006 min
Lab File: BN037895.D
Acq: 25 Sep 2025 18:51

Tgt Ion:264 Resp: 19096

Ion	Ratio	Lower	Upper
264	100		
260	27.1	21.5	32.3
265	68.4	53.8	80.6



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:	09/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/19/25
Client Sample ID:	RE131D3-20250918	SDG No.:	Q3156
Lab Sample ID:	Q3156-03	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
BN037896.D	1	09/23/25 09:15	09/25/25 19:28	PB169794

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.80		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.31		30 - 150		77%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.40		30 - 150		99%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.33		55 - 111		83%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.31		53 - 106		78%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.49		58 - 132		123%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7910	7.818				
1146-65-2	Naphthalene-d8	22400	10.626				
15067-26-2	Acenaphthene-d10	11800	14.473				
1517-22-2	Phenanthrene-d10	24400	17.223				
1719-03-5	Chrysene-d12	19100	21.402				
1520-96-3	Perylene-d12	15100	23.733				

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\BN092525\
Data File : BN037896.D
Acq On : 25 Sep 2025 19:28
Operator : RC/JU
Sample : Q3156-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE131D3-20250918

Quant Time: Sep 25 23:50:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration

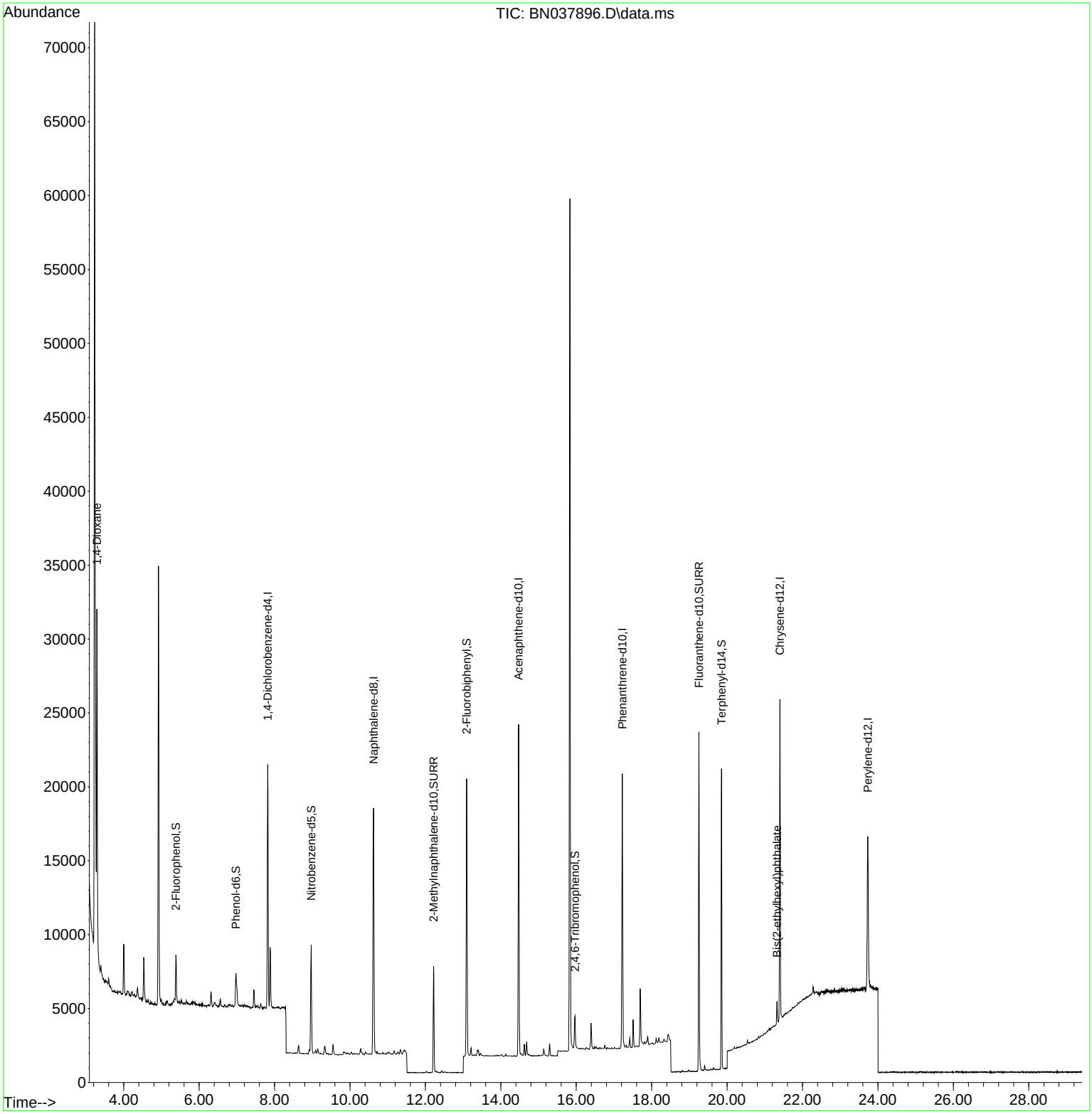
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.818	152	7909	0.400	ng		0.00
7) Naphthalene-d8	10.626	136	22437	0.400	ng		0.00
13) Acenaphthene-d10	14.473	164	11826	0.400	ng		0.00
19) Phenanthrene-d10	17.223	188	24427	0.400	ng		0.00
29) Chrysene-d12	21.402	240	19066	0.400	ng		0.00
35) Perylene-d12	23.733	264	15120	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.384	112	2573	0.143	ng		0.00
5) Phenol-d6	6.973	99	1913	0.081	ng		0.00
8) Nitrobenzene-d5	8.971	82	5652	0.330	ng		0.00
11) 2-Methylnaphthalene-d10	12.217	152	9617	0.309	ng		0.00
14) 2,4,6-Tribromophenol	15.969	330	1456	0.325	ng		0.00
15) 2-Fluorobiphenyl	13.094	172	15131	0.313	ng		0.00
27) Fluoranthene-d10	19.252	212	24335	0.396	ng		0.00
31) Terphenyl-d14	19.852	244	18689	0.492	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.290	88	14230	1.772	ng		99
34) Bis(2-ethylhexyl)phtha...	21.322	149	1554	0.059	ng	#	97

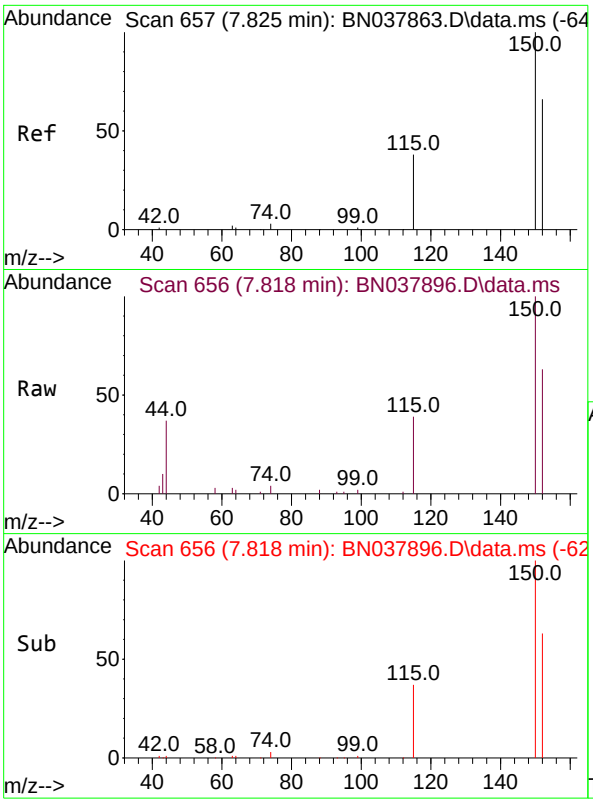
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092525\
Data File : BN037896.D
Acq On : 25 Sep 2025 19:28
Operator : RC/JU
Sample : Q3156-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE131D3-20250918

Quant Time: Sep 25 23:50:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration



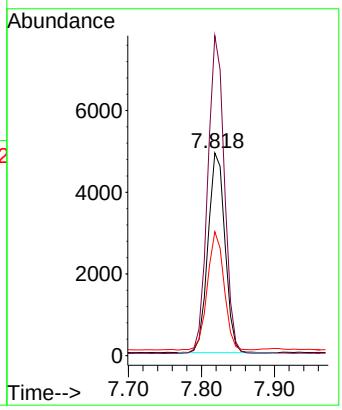


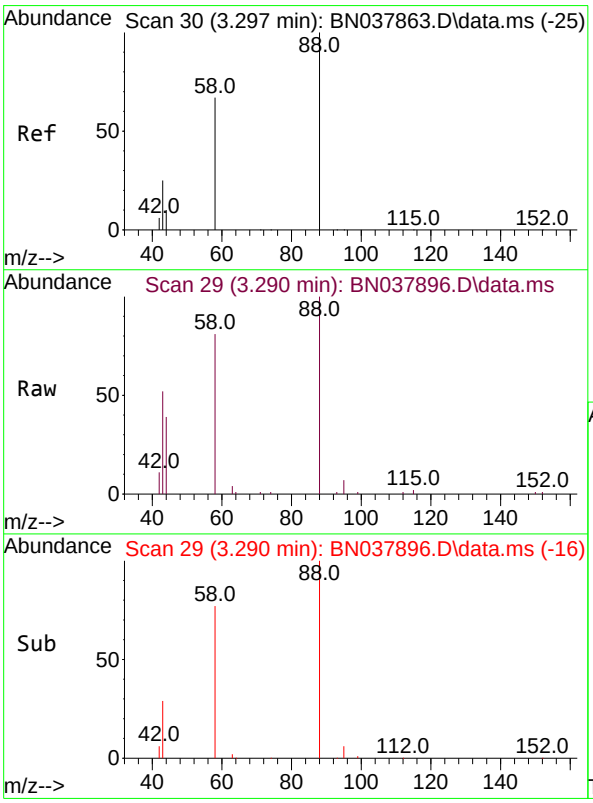
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.818 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN037896.D
Acq: 25 Sep 2025 19:28

Instrument :
BNA_N
ClientSampleId :
RE131D3-20250918

Tgt Ion:152 Resp: 7909

Ion	Ratio	Lower	Upper
152	100		
150	157.9	121.0	181.4
115	61.2	47.4	71.0

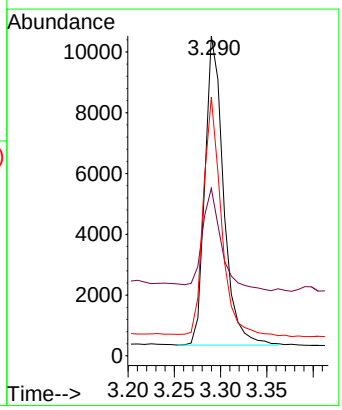


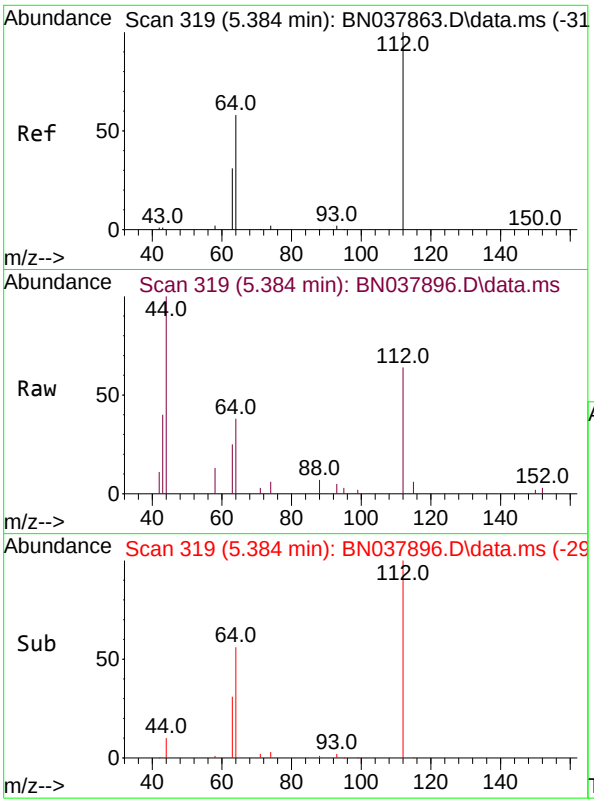


#2
1,4-Dioxane
Concen: 1.772 ng
RT: 3.290 min Scan# 29
Delta R.T. -0.007 min
Lab File: BN037896.D
Acq: 25 Sep 2025 19:28

Tgt Ion: 88 Resp: 14230

Ion	Ratio	Lower	Upper
88	100		
43	33.9	26.6	39.8
58	74.0	58.9	88.3



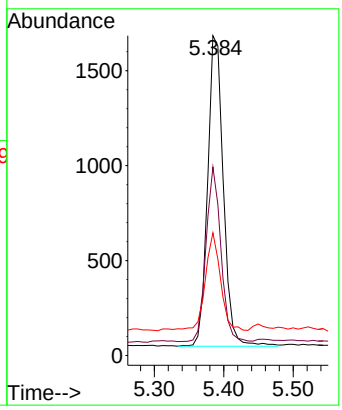


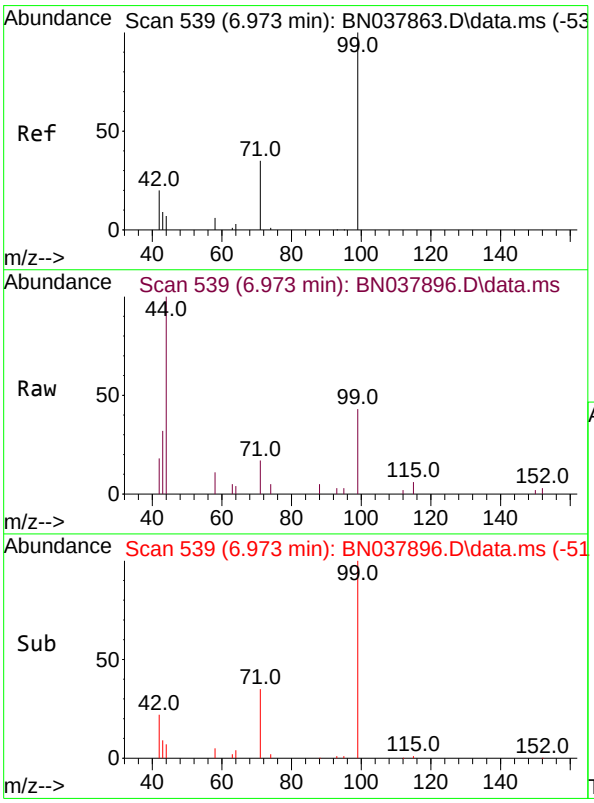
#4
2-Fluorophenol
Concen: 0.143 ng
RT: 5.384 min Scan# 31
Delta R.T. -0.000 min
Lab File: BN037896.D
Acq: 25 Sep 2025 19:28

Instrument :
BNA_N
ClientSampleId :
RE131D3-20250918

Tgt Ion:112 Resp: 2573

Ion	Ratio	Lower	Upper
112	100		
64	53.1	44.6	66.8
63	30.2	24.9	37.3

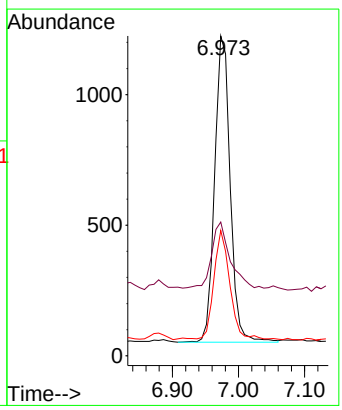


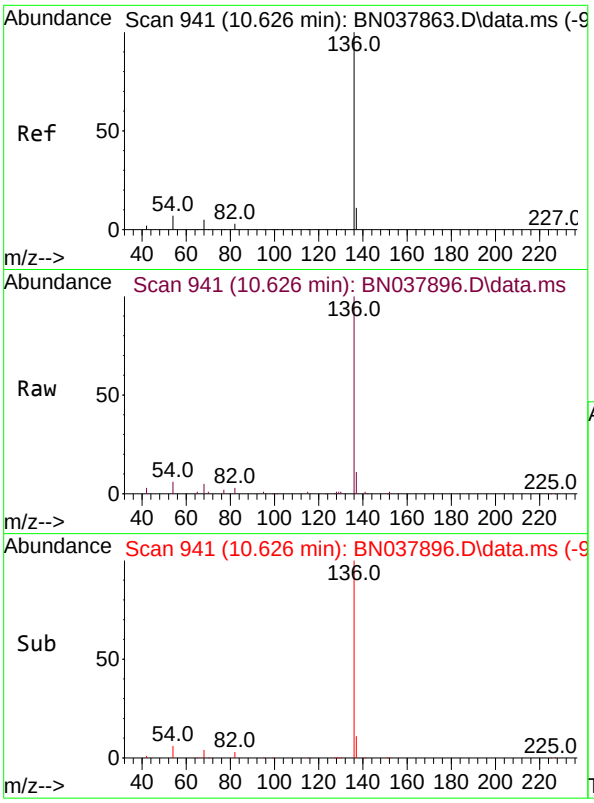


#5
Phenol-d6
Concen: 0.081 ng
RT: 6.973 min Scan# 539
Delta R.T. -0.000 min
Lab File: BN037896.D
Acq: 25 Sep 2025 19:28

Tgt Ion: 99 Resp: 1913

Ion	Ratio	Lower	Upper
99	100		
42	25.8	17.2	25.8#
71	36.7	27.3	40.9



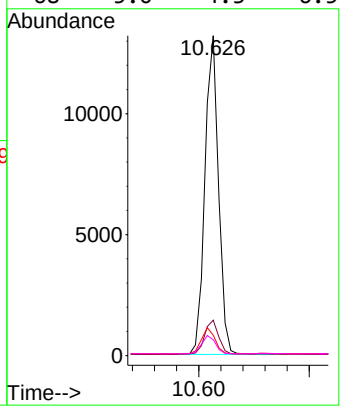


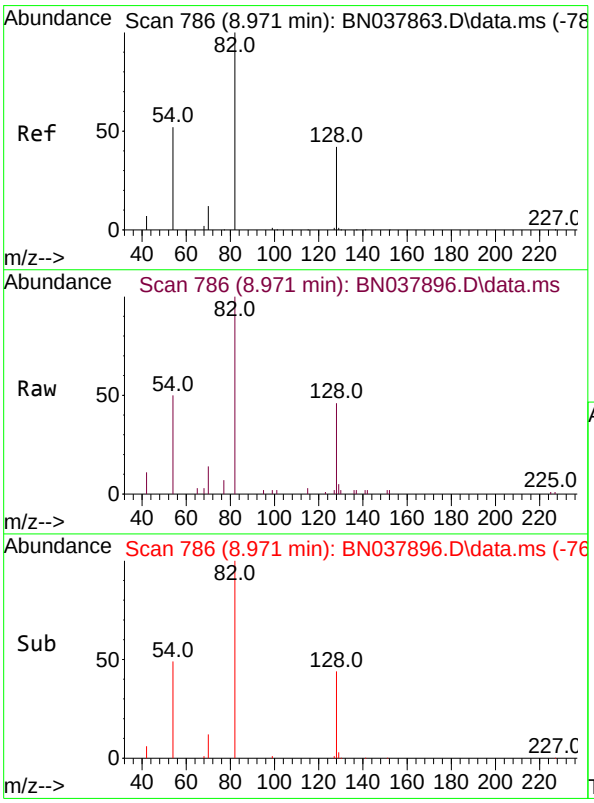
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.626 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN037896.D
Acq: 25 Sep 2025 19:28

Instrument :
BNA_N
ClientSampleId :
RE131D3-20250918

Tgt Ion:136 Resp: 22437

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	6.4	5.8	8.8
68	5.0	4.3	6.5

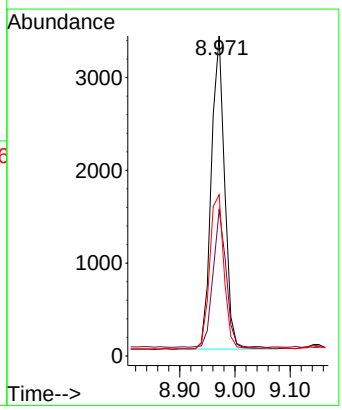


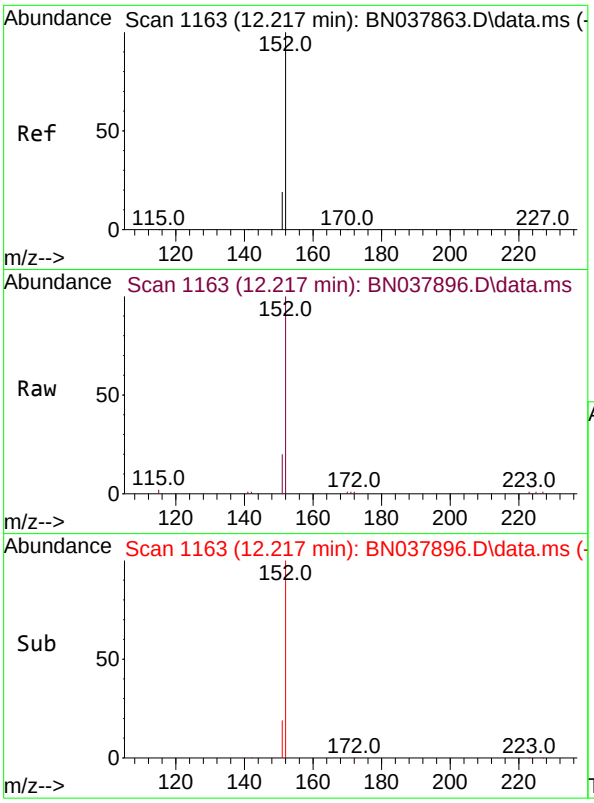


#8
Nitrobenzene-d5
Concen: 0.330 ng
RT: 8.971 min Scan# 786
Delta R.T. -0.000 min
Lab File: BN037896.D
Acq: 25 Sep 2025 19:28

Tgt Ion: 82 Resp: 5652

Ion	Ratio	Lower	Upper
82	100		
128	45.7	34.8	52.2
54	50.4	42.2	63.2



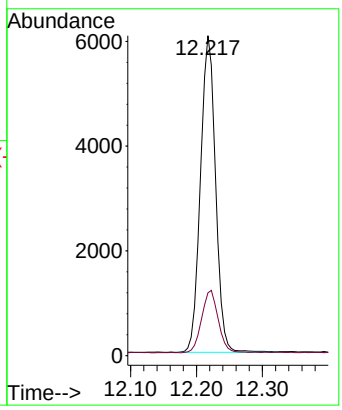


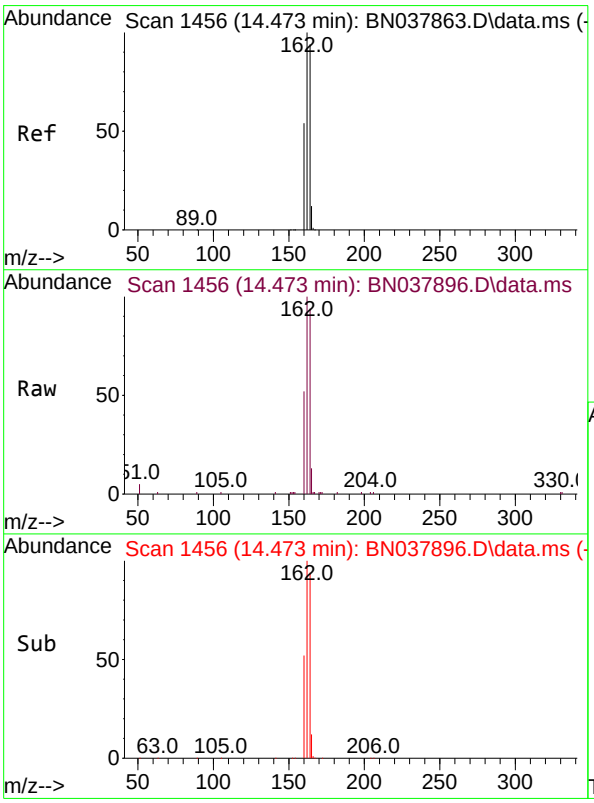
#11
2-Methylnaphthalene-d10
Concen: 0.309 ng
RT: 12.217 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN037896.D
Acq: 25 Sep 2025 19:28

Instrument :
BNA_N
ClientSampleId :
RE131D3-20250918

Tgt Ion:152 Resp: 9617

Ion	Ratio	Lower	Upper
152	100		
151	21.7	17.4	26.2

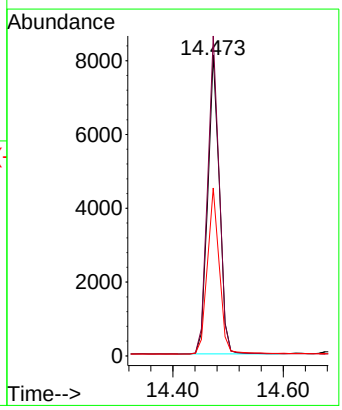


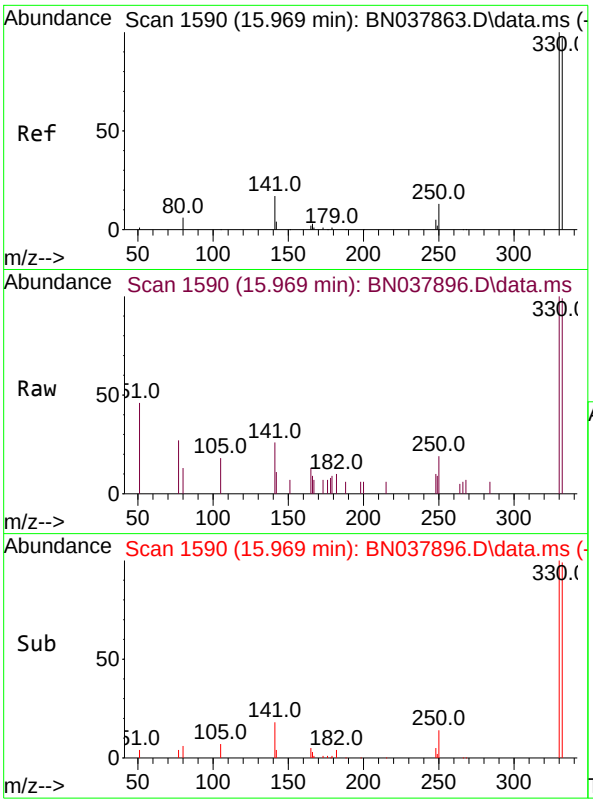


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.473 min Scan# 1456
Delta R.T. -0.000 min
Lab File: BN037896.D
Acq: 25 Sep 2025 19:28

Tgt Ion:164 Resp: 11826

Ion	Ratio	Lower	Upper
164	100		
162	106.3	84.8	127.2
160	55.8	46.1	69.1



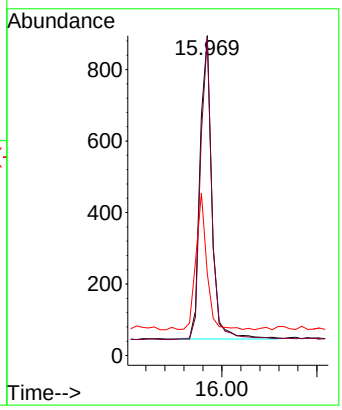


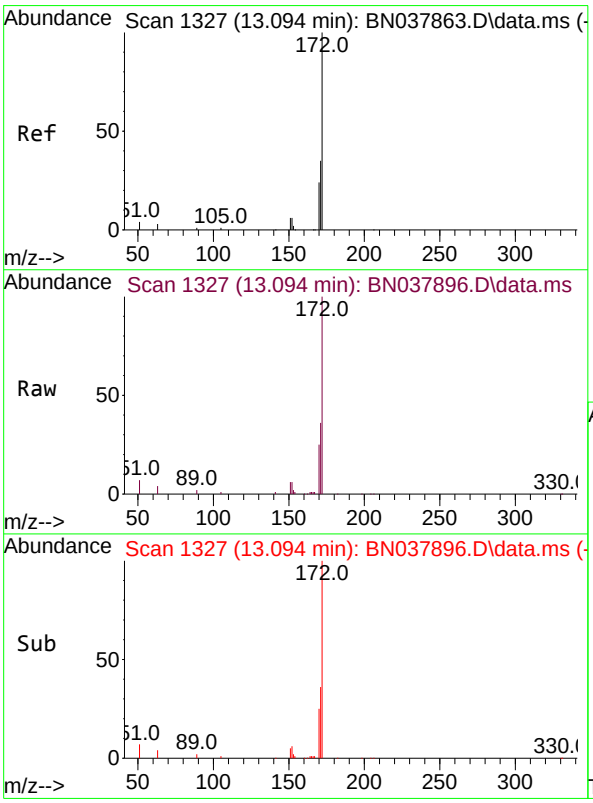
#14
2,4,6-Tribromophenol
Concen: 0.325 ng
RT: 15.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037896.D
Acq: 25 Sep 2025 19:28

Instrument :
BNA_N
ClientSampleId :
RE131D3-20250918

Tgt Ion:330 Resp: 1456

Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.2	115.8
141	43.3	37.2	55.8

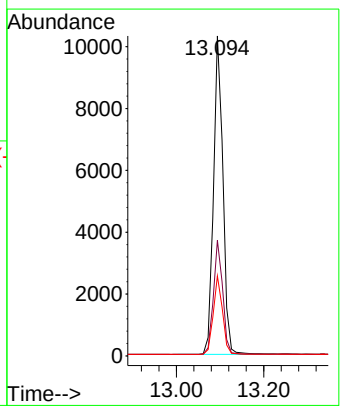


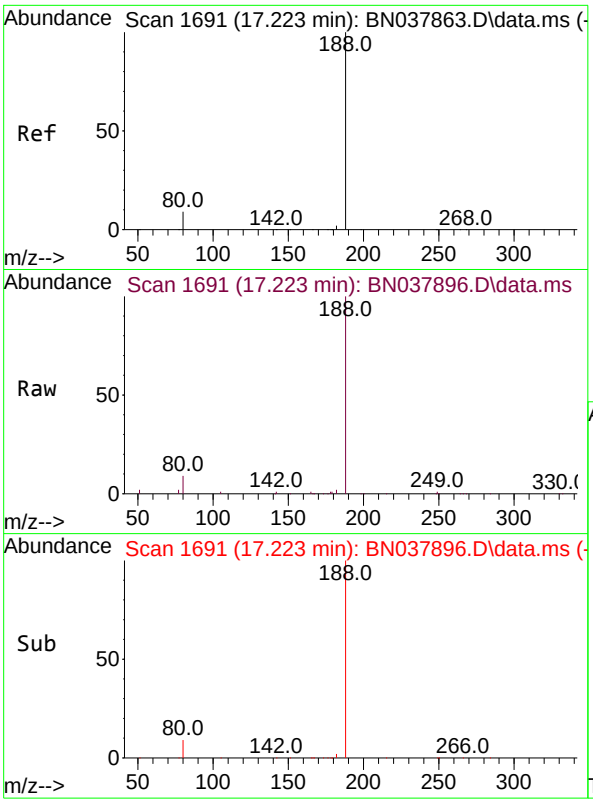


#15
2-Fluorobiphenyl
Concen: 0.313 ng
RT: 13.094 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BN037896.D
Acq: 25 Sep 2025 19:28

Tgt Ion:172 Resp: 15131

Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.6	43.0
170	25.0	19.7	29.5



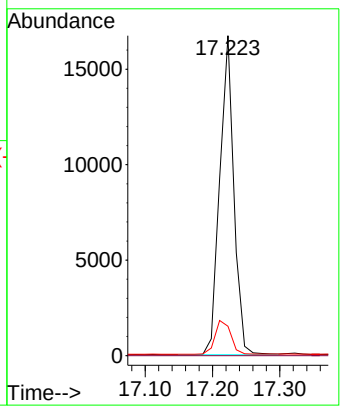


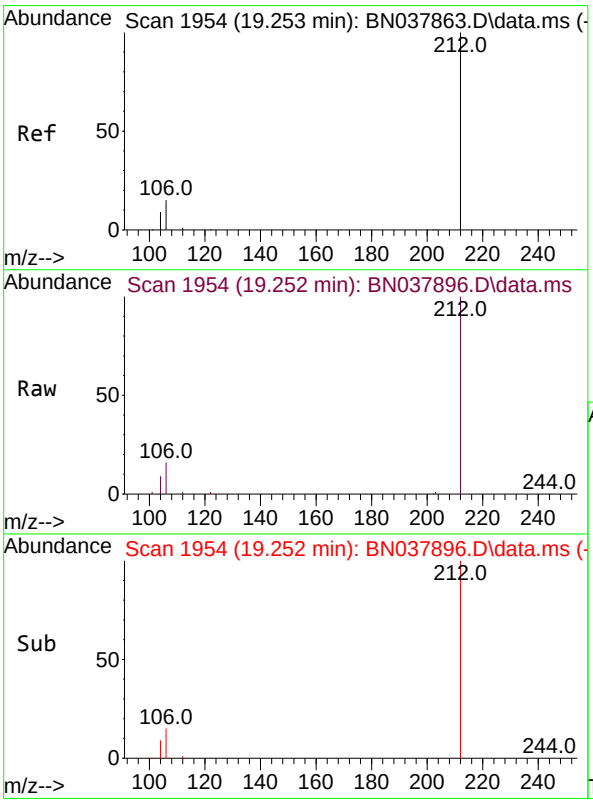
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.223 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037896.D
Acq: 25 Sep 2025 19:28

Instrument :
BNA_N
ClientSampleId :
RE131D3-20250918

Tgt Ion:188 Resp: 24427

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.2	7.6	11.4

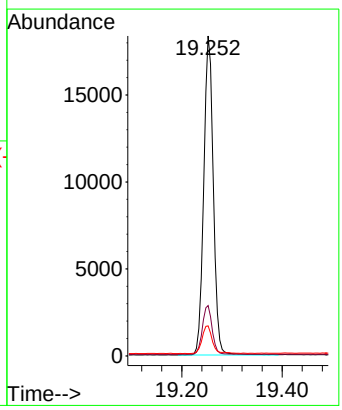


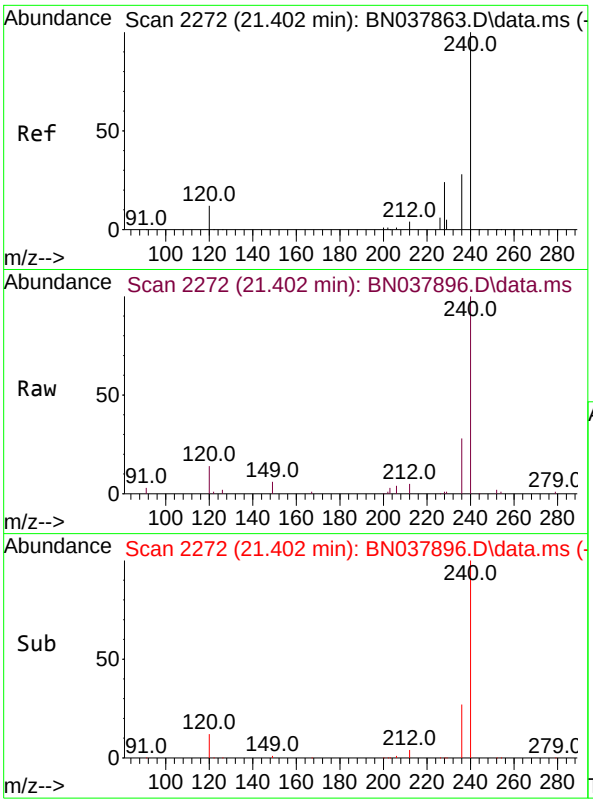


#27
Fluoranthene-d10
Concen: 0.396 ng
RT: 19.252 min Scan# 1954
Delta R.T. -0.000 min
Lab File: BN037896.D
Acq: 25 Sep 2025 19:28

Tgt Ion:212 Resp: 24335

Ion	Ratio	Lower	Upper
212	100		
106	15.5	12.6	19.0
104	9.2	7.4	11.0



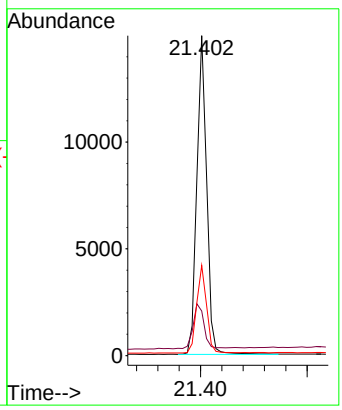


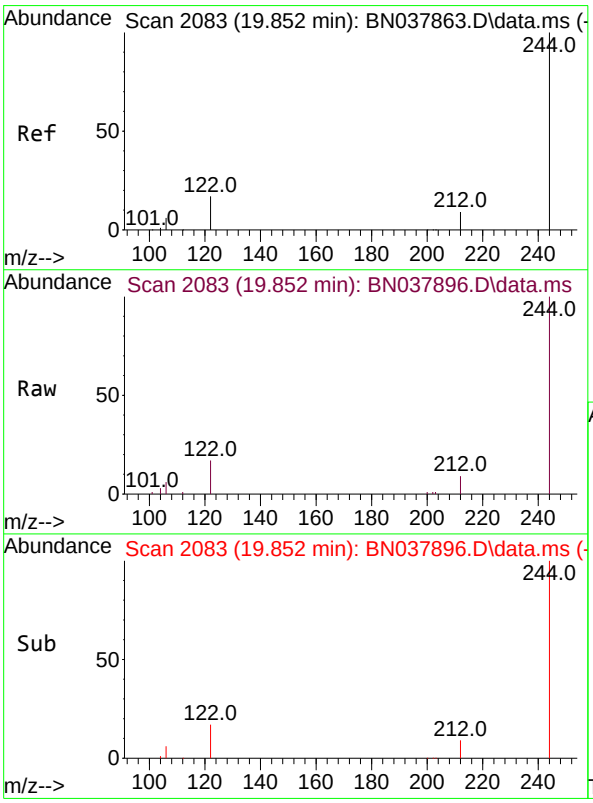
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.402 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN037896.D
Acq: 25 Sep 2025 19:28

Instrument :
BNA_N
ClientSampleId :
RE131D3-20250918

Tgt Ion:240 Resp: 19066

Ion	Ratio	Lower	Upper
240	100		
120	13.9	11.4	17.2
236	28.2	23.0	34.6

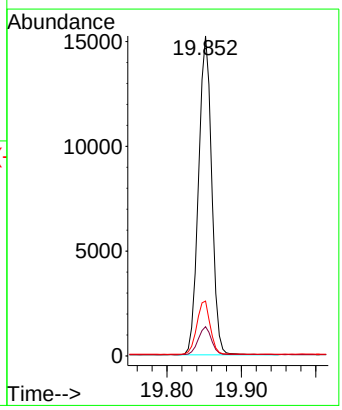


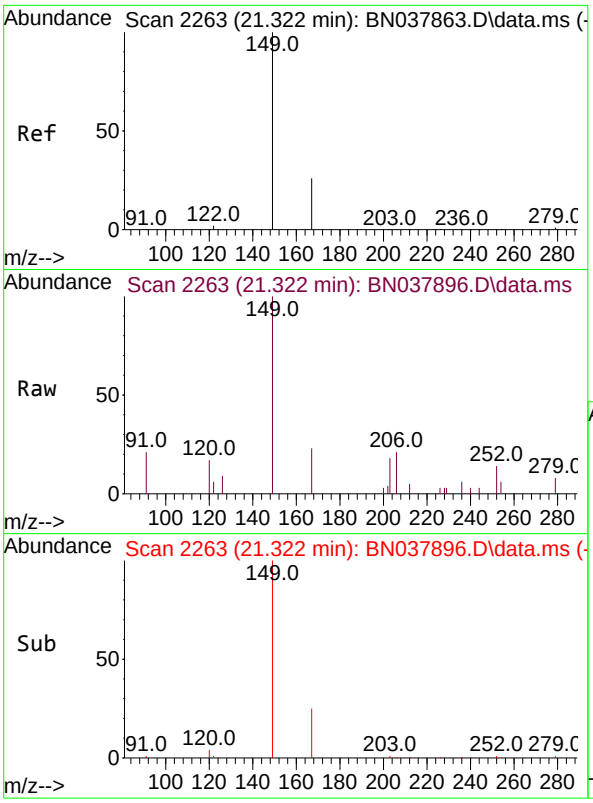


#31
Terphenyl-d14
Concen: 0.492 ng
RT: 19.852 min Scan# 2083
Delta R.T. -0.000 min
Lab File: BN037896.D
Acq: 25 Sep 2025 19:28

Tgt Ion:244 Resp: 18689

Ion	Ratio	Lower	Upper
244	100		
212	9.1	7.6	11.4
122	17.1	13.9	20.9



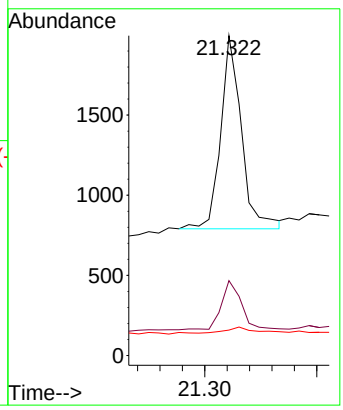


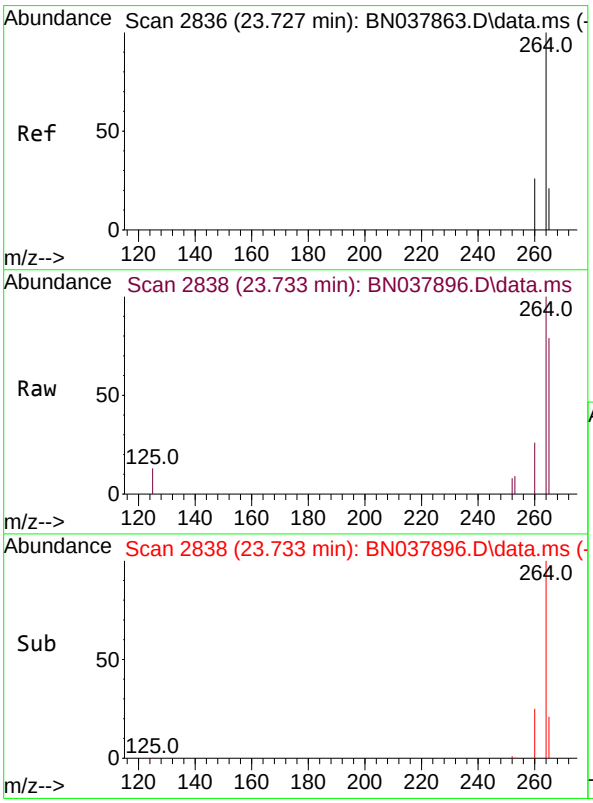
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.059 ng
RT: 21.322 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037896.D
Acq: 25 Sep 2025 19:28

Instrument :
BNA_N
ClientSampleId :
RE131D3-20250918

Tgt Ion:149 Resp: 1554

Ion	Ratio	Lower	Upper
149	100		
167	24.6	20.4	30.6
279	6.9	2.4	3.6#

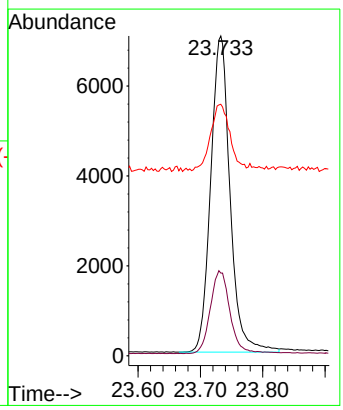




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.733 min Scan# 2838
Delta R.T. 0.006 min
Lab File: BN037896.D
Acq: 25 Sep 2025 19:28

Tgt Ion:264 Resp: 15120

Ion	Ratio	Lower	Upper
264	100		
260	25.9	21.5	32.3
265	78.6	53.8	80.6



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:	09/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/19/25
Client Sample ID:	TT190D1-20250918	SDG No.:	Q3156
Lab Sample ID:	Q3156-04	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
BN037897.D	1	09/23/25 09:15	09/25/25 20:05	PB169794

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.50		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.30		30 - 150		75%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.41		30 - 150		103%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.33		55 - 111		81%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.31		53 - 106		76%	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	7370	7.818				
1146-65-2	Naphthalene-d8	21700	10.626				
15067-26-2	Acenaphthene-d10	11700	14.473				
1517-22-2	Phenanthrene-d10	23900	17.223				
1719-03-5	Chrysene-d12	20100	21.402				
1520-96-3	Perylene-d12	17500	23.73				

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\BN092525\
Data File : BN037897.D
Acq On : 25 Sep 2025 20:05
Operator : RC/JU
Sample : Q3156-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
TT190D1-20250918

Quant Time: Sep 25 23:50:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration

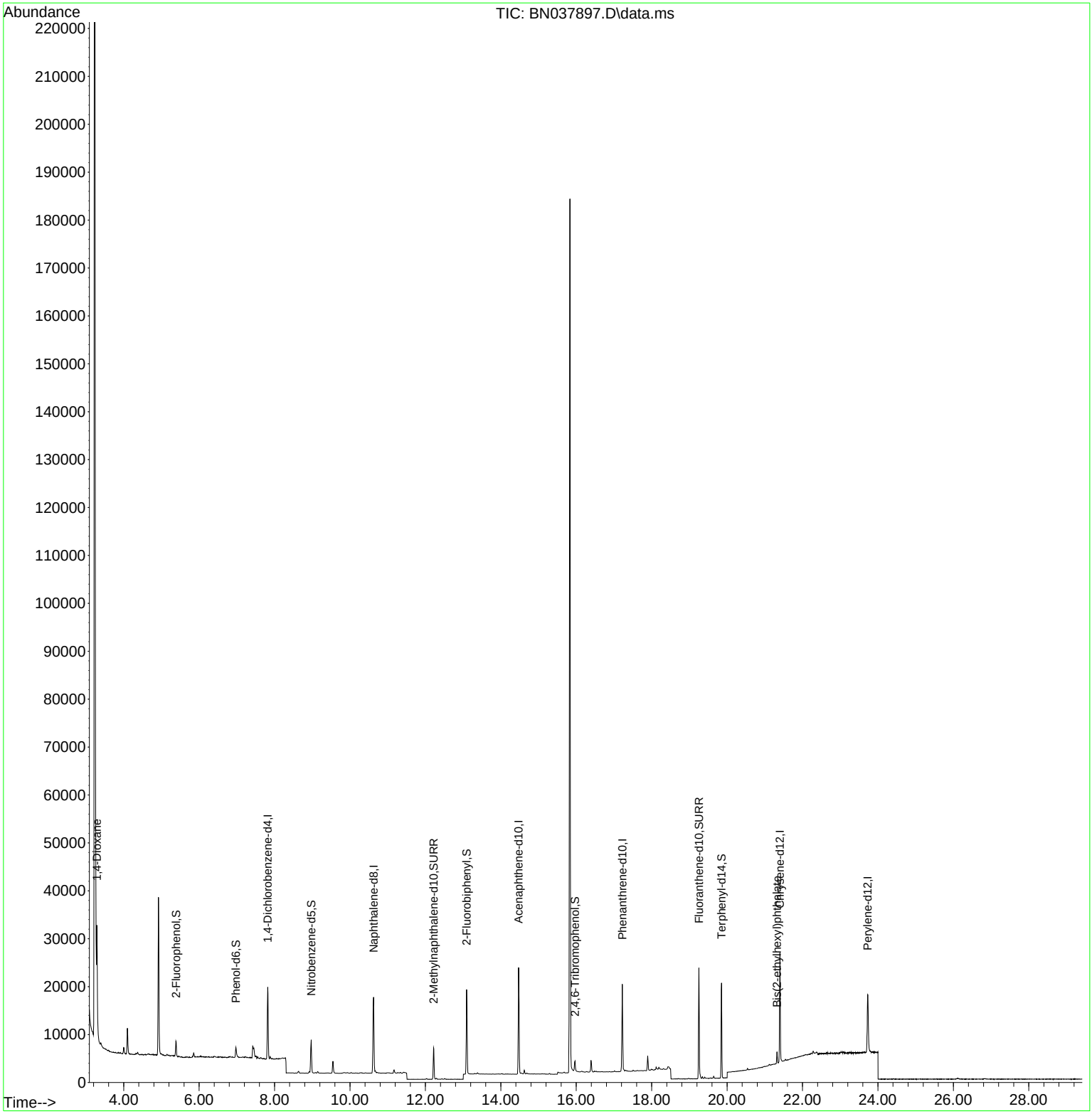
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.818	152	7371	0.400	ng	0.00
7) Naphthalene-d8	10.626	136	21672	0.400	ng	0.00
13) Acenaphthene-d10	14.473	164	11695	0.400	ng	0.00
19) Phenanthrene-d10	17.223	188	23866	0.400	ng	0.00
29) Chrysene-d12	21.402	240	20074	0.400	ng	0.00
35) Perylene-d12	23.730	264	17451	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.391	112	2525	0.150	ng	0.00
5) Phenol-d6	6.973	99	1962	0.089	ng	0.00
8) Nitrobenzene-d5	8.971	82	5384	0.326	ng	0.00
11) 2-Methylnaphthalene-d10	12.217	152	8982	0.298	ng	0.00
14) 2,4,6-Tribromophenol	15.969	330	1409	0.318	ng	0.00
15) 2-Fluorobiphenyl	13.094	172	14580	0.305	ng	0.00
27) Fluoranthene-d10	19.252	212	24662	0.411	ng	0.00
31) Terphenyl-d14	19.852	244	18551	0.464	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.290	88	11464	1.532	ng	98
34) Bis(2-ethylhexyl)phtha...	21.322	149	2399	0.086	ng	# 99

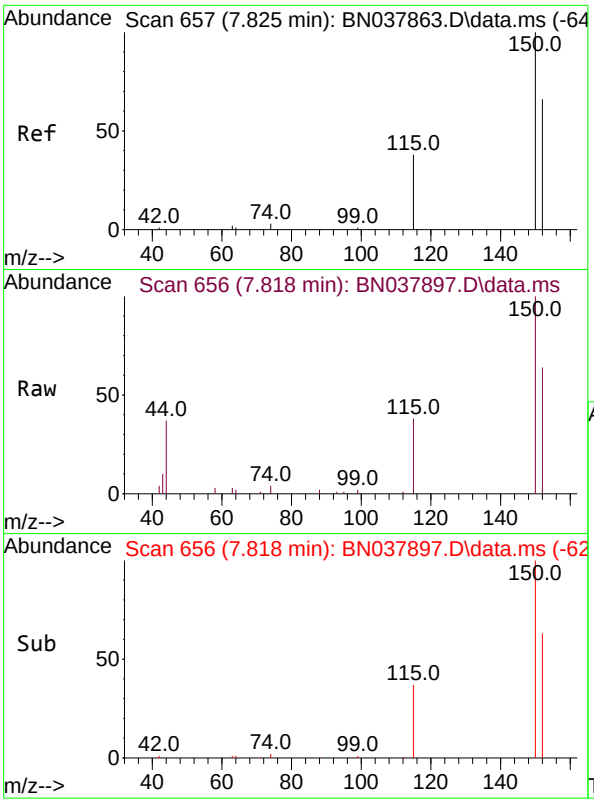
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092525\
Data File : BN037897.D
Acq On : 25 Sep 2025 20:05
Operator : RC/JU
Sample : Q3156-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
TT190D1-20250918

Quant Time: Sep 25 23:50:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration



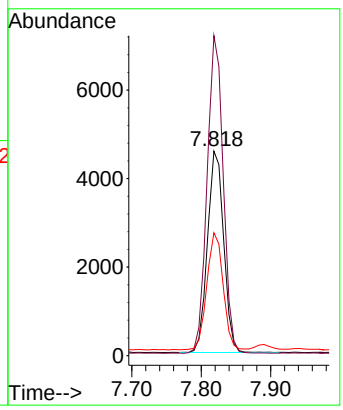


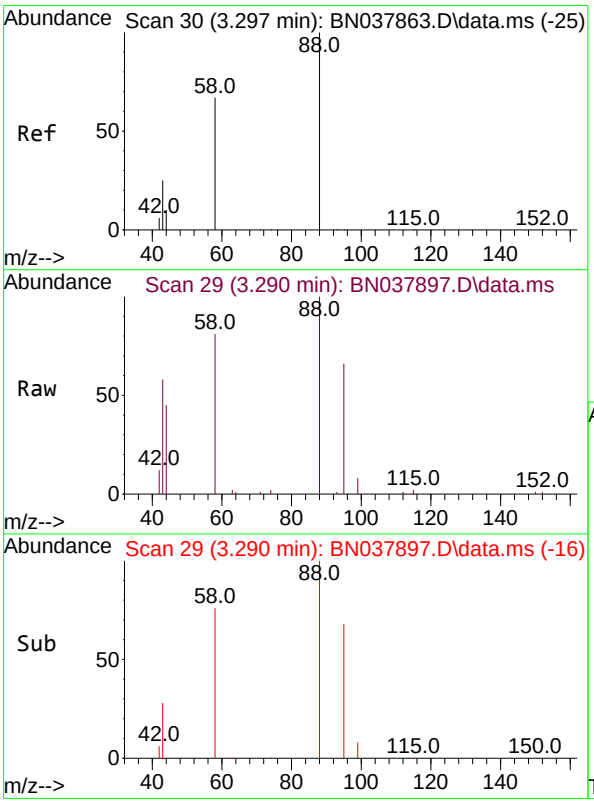
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.818 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN037897.D
Acq: 25 Sep 2025 20:05

Instrument :
BNA_N
ClientSampleId :
TT190D1-20250918

Tgt Ion:152 Resp: 7371

Ion	Ratio	Lower	Upper
152	100		
150	156.6	121.0	181.4
115	60.1	47.4	71.0

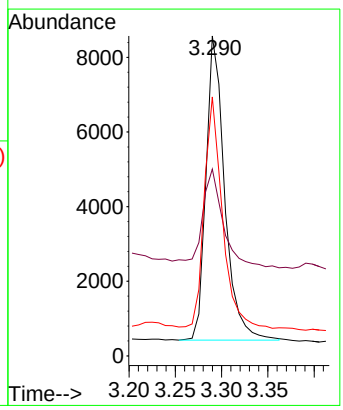


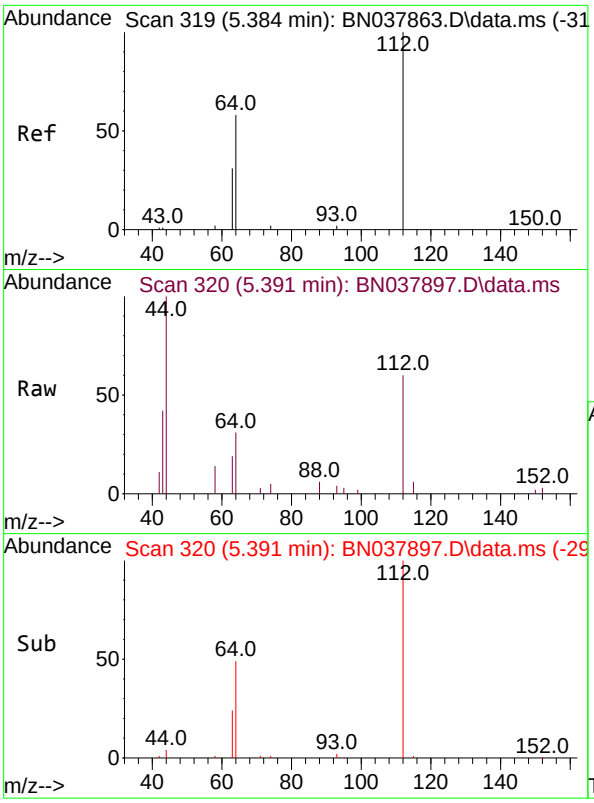


#2
1,4-Dioxane
Concen: 1.532 ng
RT: 3.290 min Scan# 29
Delta R.T. -0.007 min
Lab File: BN037897.D
Acq: 25 Sep 2025 20:05

Tgt Ion: 88 Resp: 11464

Ion	Ratio	Lower	Upper
88	100		
43	35.6	26.6	39.8
58	74.0	58.9	88.3



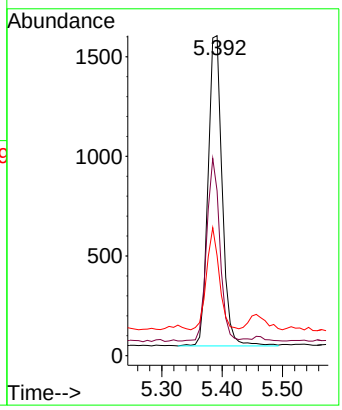


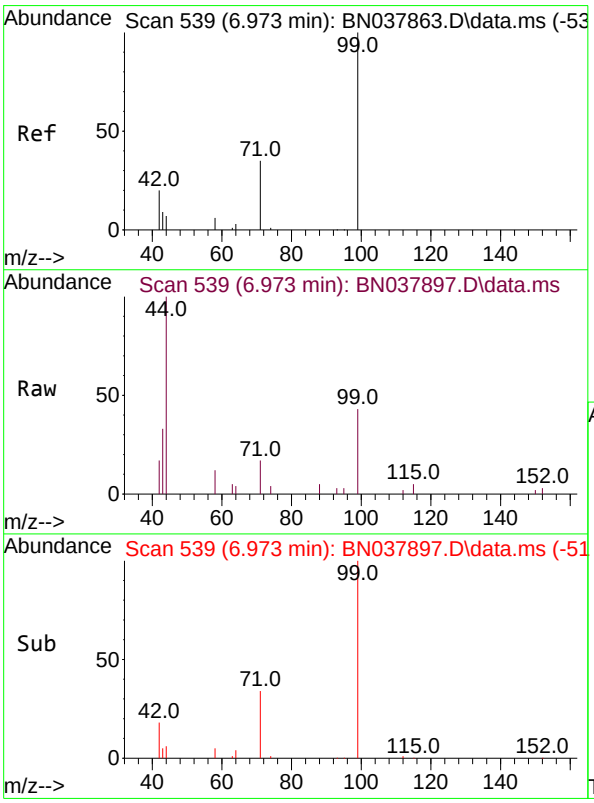
#4
2-Fluorophenol
Concen: 0.150 ng
RT: 5.391 min Scan# 3
Delta R.T. 0.007 min
Lab File: BN037897.D
Acq: 25 Sep 2025 20:05

Instrument :
BNA_N
ClientSampleId :
TT190D1-20250918

Tgt Ion:112 Resp: 2525

Ion	Ratio	Lower	Upper
112	100		
64	54.9	44.6	66.8
63	29.9	24.9	37.3

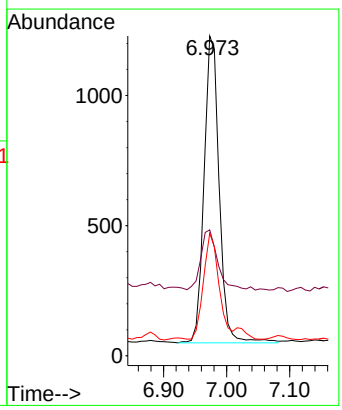


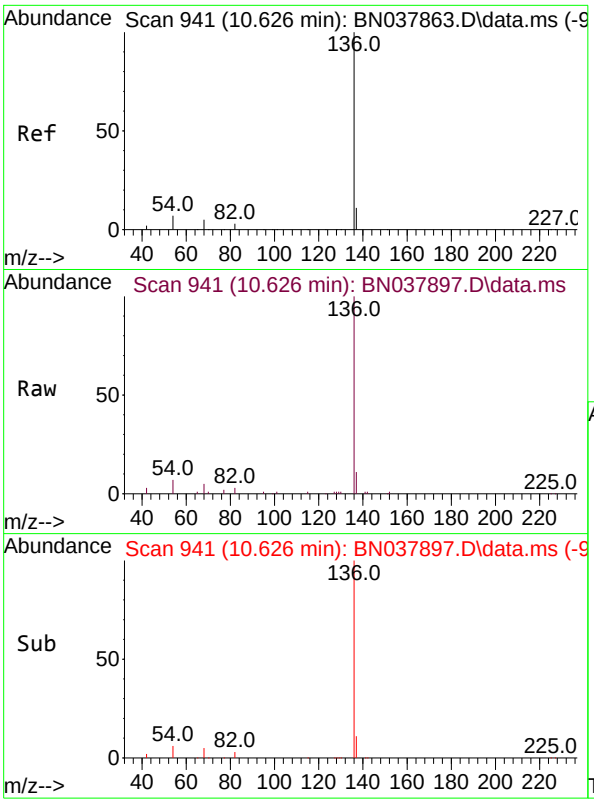


#5
Phenol-d6
Concen: 0.089 ng
RT: 6.973 min Scan# 539
Delta R.T. -0.000 min
Lab File: BN037897.D
Acq: 25 Sep 2025 20:05

Tgt Ion: 99 Resp: 1962

Ion	Ratio	Lower	Upper
99	100		
42	21.3	17.2	25.8
71	35.2	27.3	40.9



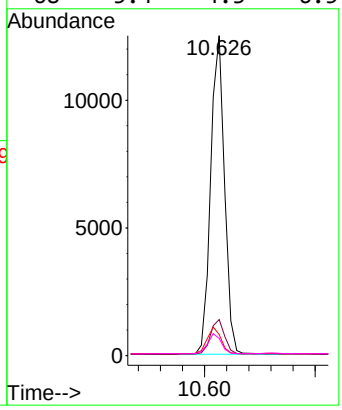


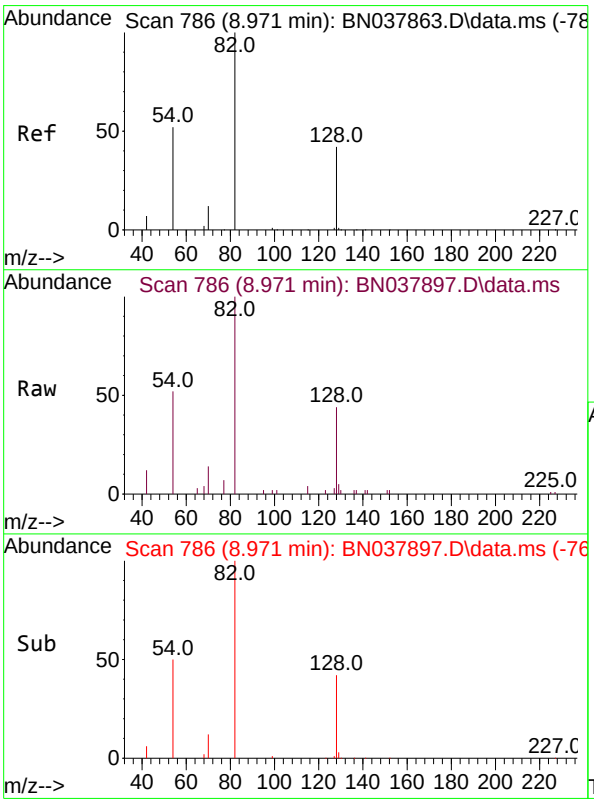
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.626 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN037897.D
Acq: 25 Sep 2025 20:05

Instrument :
BNA_N
ClientSampleId :
TT190D1-20250918

Tgt Ion:136 Resp: 21672

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.4
54	6.6	5.8	8.8
68	5.4	4.3	6.5

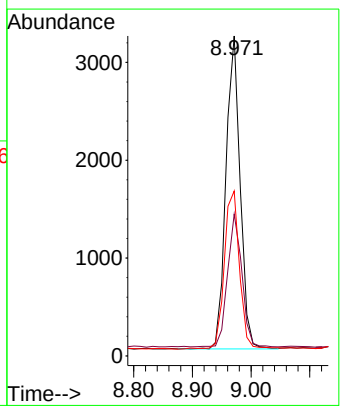


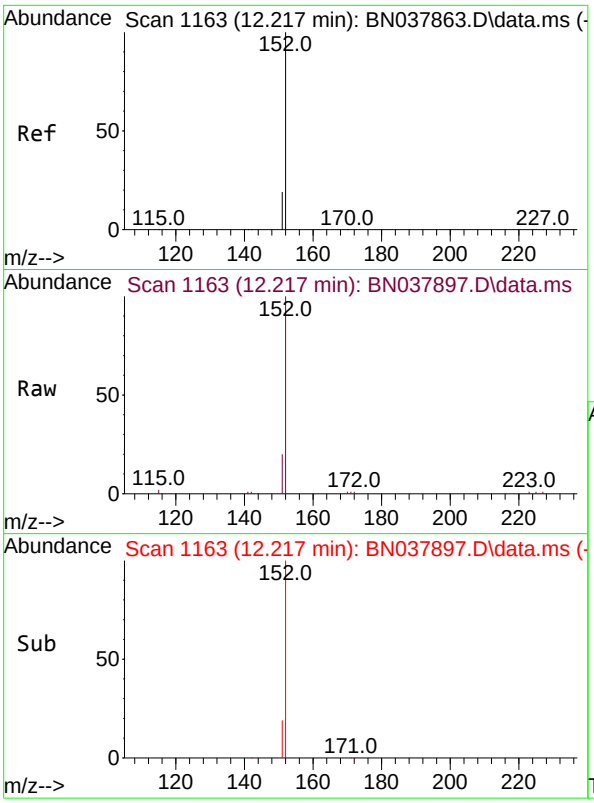


#8
Nitrobenzene-d5
Concen: 0.326 ng
RT: 8.971 min Scan# 786
Delta R.T. -0.000 min
Lab File: BN037897.D
Acq: 25 Sep 2025 20:05

Tgt Ion: 82 Resp: 5384

Ion	Ratio	Lower	Upper
82	100		
128	44.3	34.8	52.2
54	51.5	42.2	63.2



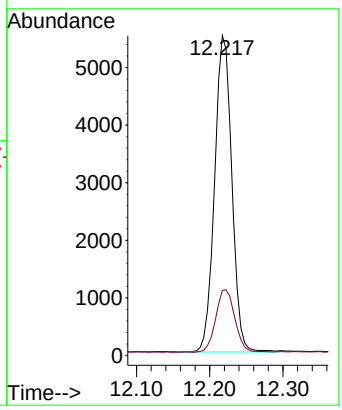


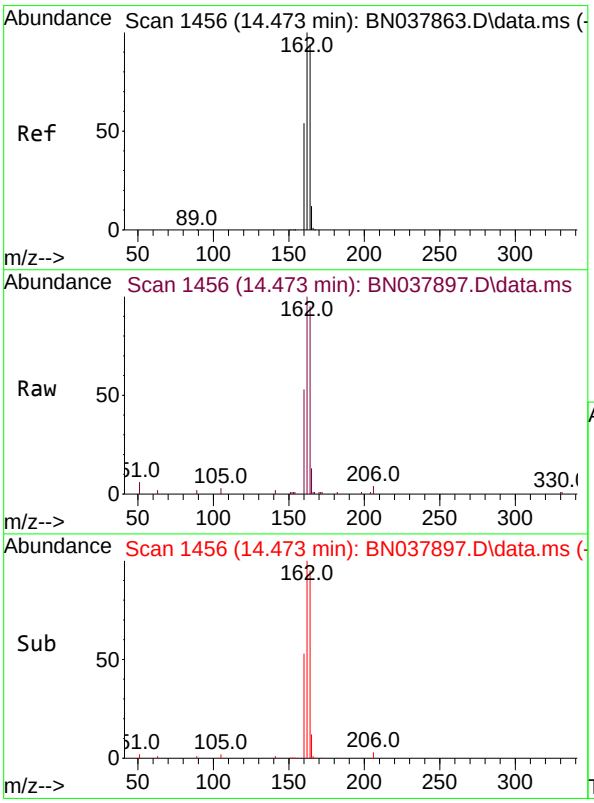
#11
2-Methylnaphthalene-d10
Concen: 0.298 ng
RT: 12.217 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN037897.D
Acq: 25 Sep 2025 20:05

Instrument :
BNA_N
ClientSampleId :
TT190D1-20250918

Tgt Ion:152 Resp: 8982

Ion	Ratio	Lower	Upper
152	100		
151	21.9	17.4	26.2

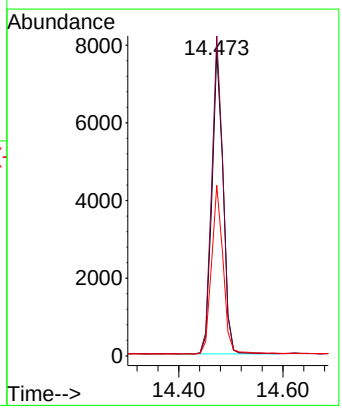


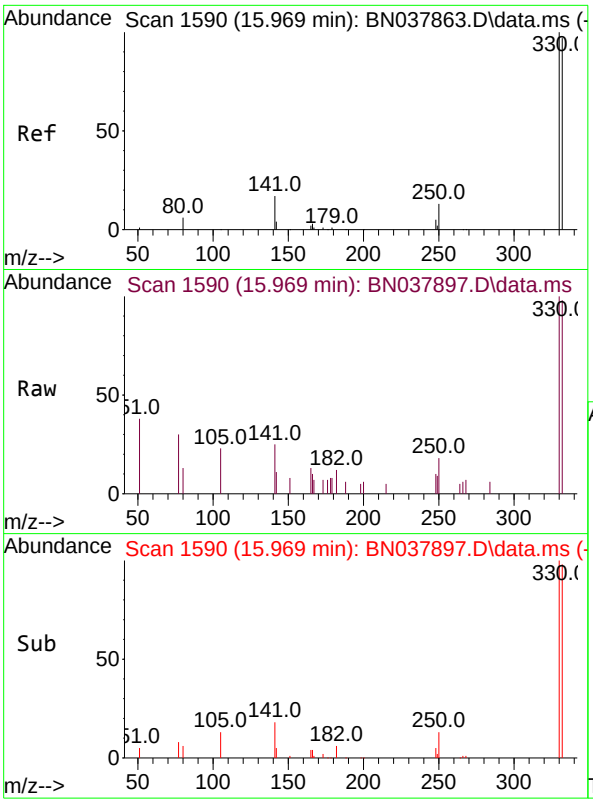


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.473 min Scan# 1456
Delta R.T. -0.000 min
Lab File: BN037897.D
Acq: 25 Sep 2025 20:05

Tgt Ion:164 Resp: 11695

Ion	Ratio	Lower	Upper
164	100		
162	105.1	84.8	127.2
160	56.0	46.1	69.1



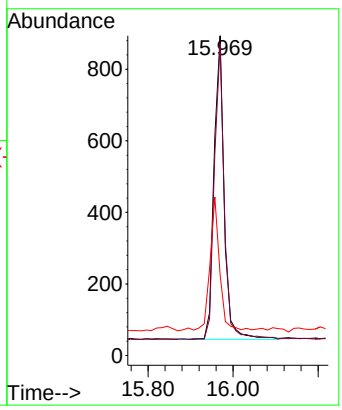


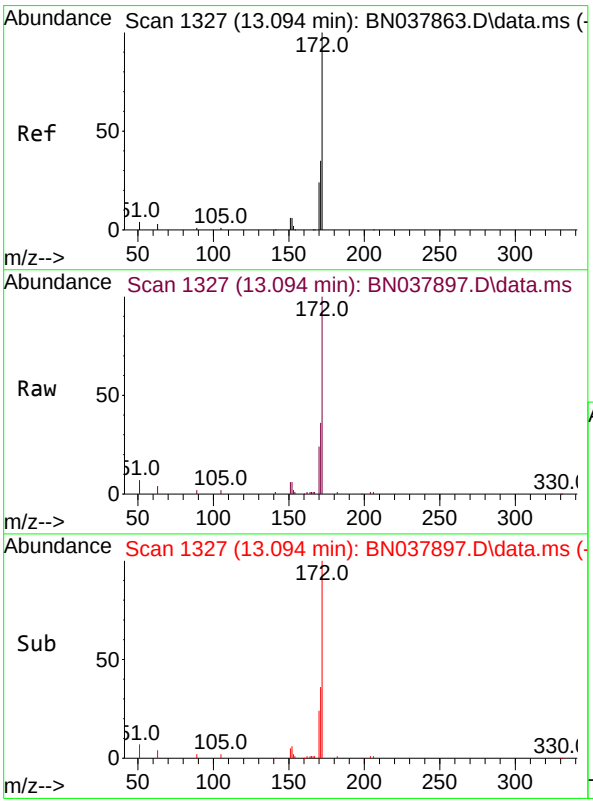
#14
2,4,6-Tribromophenol
Concen: 0.318 ng
RT: 15.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037897.D
Acq: 25 Sep 2025 20:05

Instrument :
BNA_N
ClientSampleId :
TT190D1-20250918

Tgt Ion:330 Resp: 1409

Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.2	115.8
141	42.6	37.2	55.8

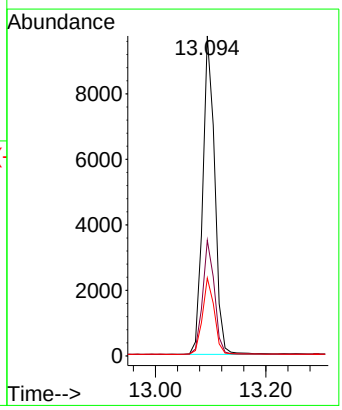


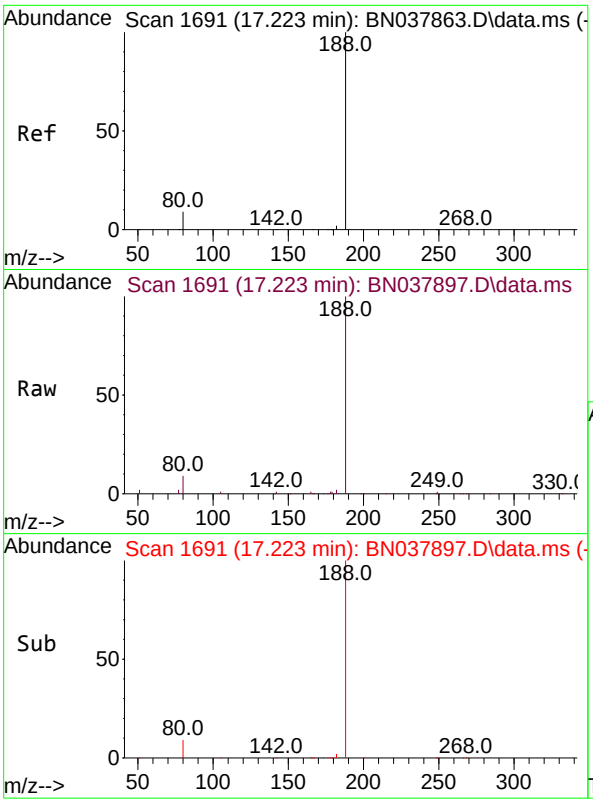


#15
2-Fluorobiphenyl
Concen: 0.305 ng
RT: 13.094 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BN037897.D
Acq: 25 Sep 2025 20:05

Tgt Ion:172 Resp: 14580

Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.6	43.0
170	24.4	19.7	29.5



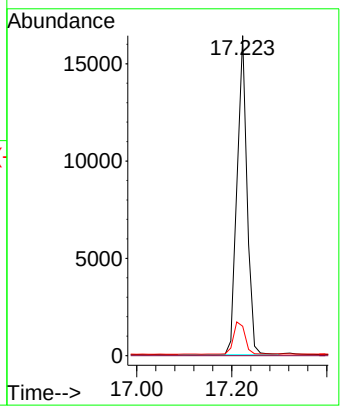


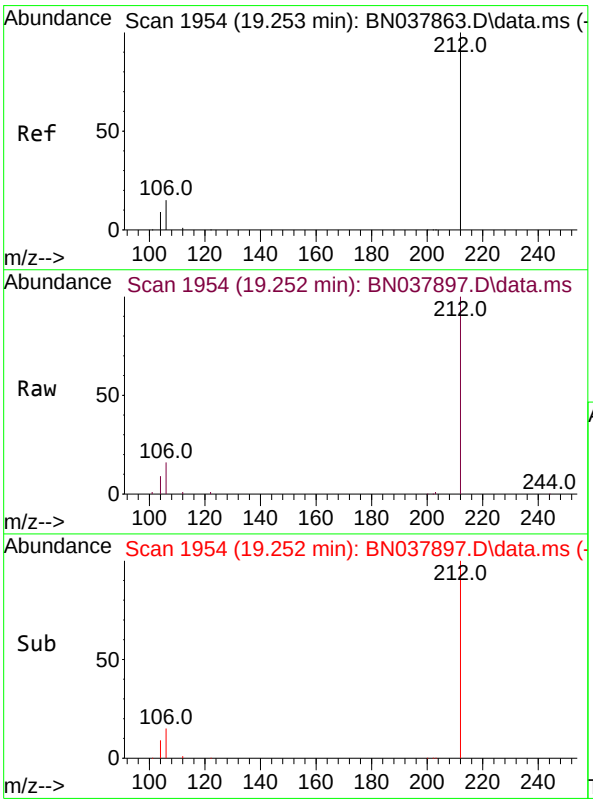
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.223 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037897.D
Acq: 25 Sep 2025 20:05

Instrument :
BNA_N
ClientSampleId :
TT190D1-20250918

Tgt Ion:188 Resp: 23866

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.2	7.6	11.4

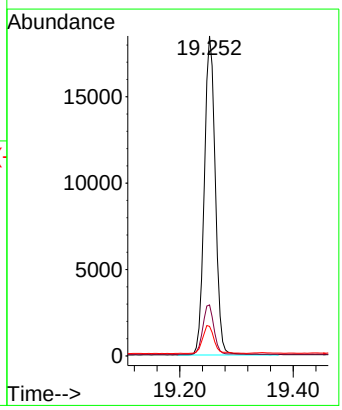


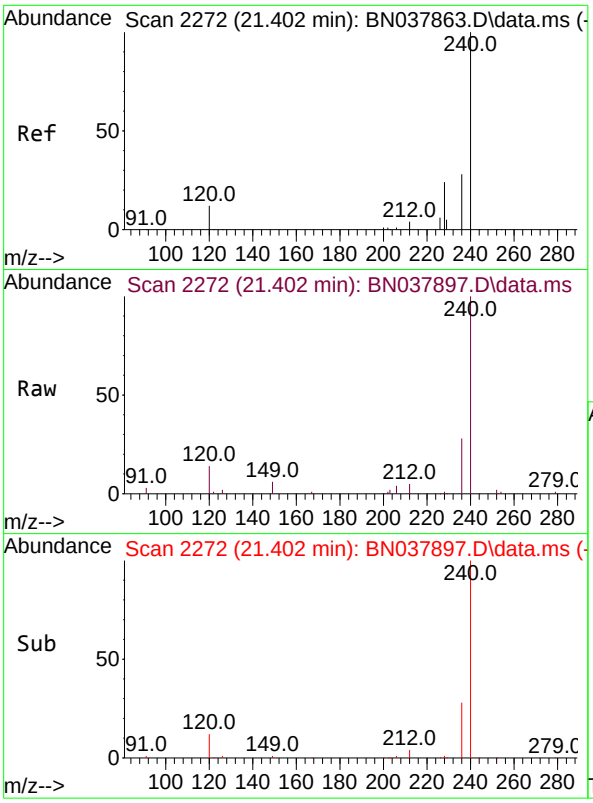


#27
Fluoranthene-d10
Concen: 0.411 ng
RT: 19.252 min Scan# 1954
Delta R.T. -0.000 min
Lab File: BN037897.D
Acq: 25 Sep 2025 20:05

Tgt Ion:212 Resp: 24662

Ion	Ratio	Lower	Upper
212	100		
106	15.7	12.6	19.0
104	9.1	7.4	11.0



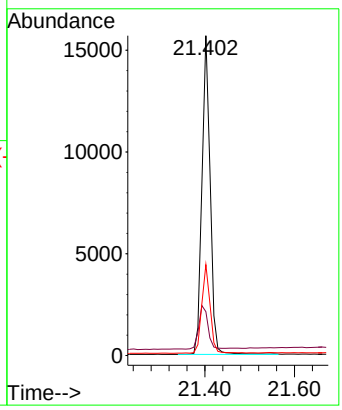


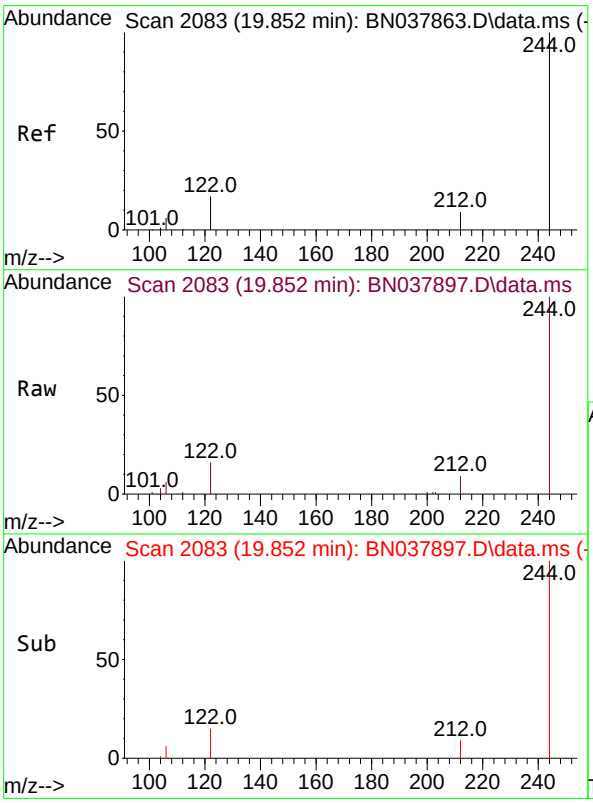
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.402 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037897.D
Acq: 25 Sep 2025 20:05

Instrument :
BNA_N
ClientSampleId :
TT190D1-20250918

Tgt Ion:240 Resp: 20074

Ion	Ratio	Lower	Upper
240	100		
120	13.7	11.4	17.2
236	28.4	23.0	34.6

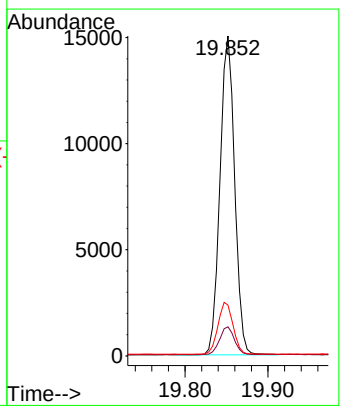


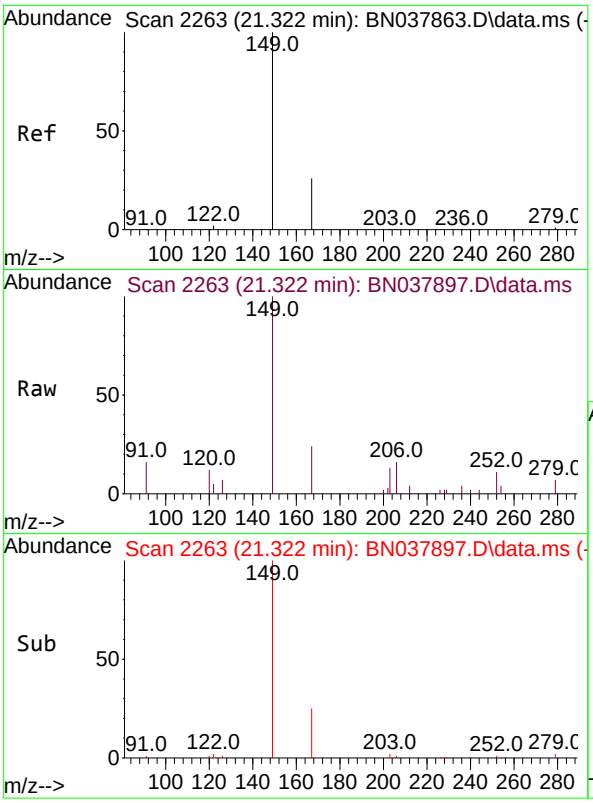


#31
Terphenyl-d14
Concen: 0.464 ng
RT: 19.852 min Scan# 2083
Delta R.T. -0.000 min
Lab File: BN037897.D
Acq: 25 Sep 2025 20:05

Tgt Ion:244 Resp: 18551

Ion	Ratio	Lower	Upper
244	100		
212	9.1	7.6	11.4
122	15.9	13.9	20.9



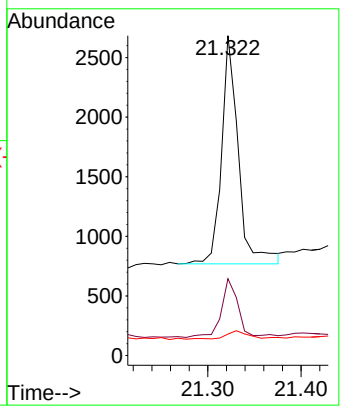


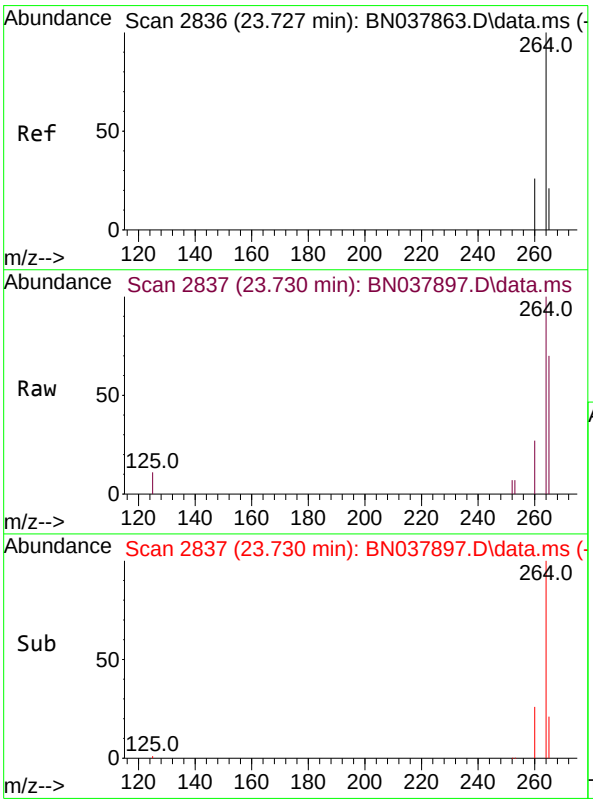
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.086 ng
RT: 21.322 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037897.D
Acq: 25 Sep 2025 20:05

Instrument :
BNA_N
ClientSampleId :
TT190D1-20250918

Tgt Ion:149 Resp: 2399

Ion	Ratio	Lower	Upper
149	100		
167	25.4	20.4	30.6
279	5.1	2.4	3.6#

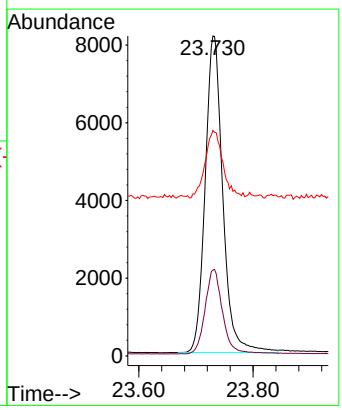




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.730 min Scan# 2837
Delta R.T. 0.003 min
Lab File: BN037897.D
Acq: 25 Sep 2025 20:05

Tgt Ion:264 Resp: 17451

Ion	Ratio	Lower	Upper
264	100		
260	26.8	21.5	32.3
265	70.4	53.8	80.6



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:	09/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/19/25
Client Sample ID:	RE132D2-20250918	SDG No.:	Q3156
Lab Sample ID:	Q3156-05	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
BN037898.D	1	09/23/25 09:15	09/25/25 20:41	PB169794

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	6.10	E	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	0.41		30 - 150		102%	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		86%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.50		58 - 132		125%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7600	7.818				
1146-65-2	Naphthalene-d8	21400	10.626				
15067-26-2	Acenaphthene-d10	11200	14.473				
1517-22-2	Phenanthrene-d10	23200	17.223				
1719-03-5	Chrysene-d12	17700	21.402				
1520-96-3	Perylene-d12	14500	23.73				

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\BN092525\
Data File : BN037898.D
Acq On : 25 Sep 2025 20:41
Operator : RC/JU
Sample : Q3156-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE132D2-20250918

Quant Time: Sep 25 23:50:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration

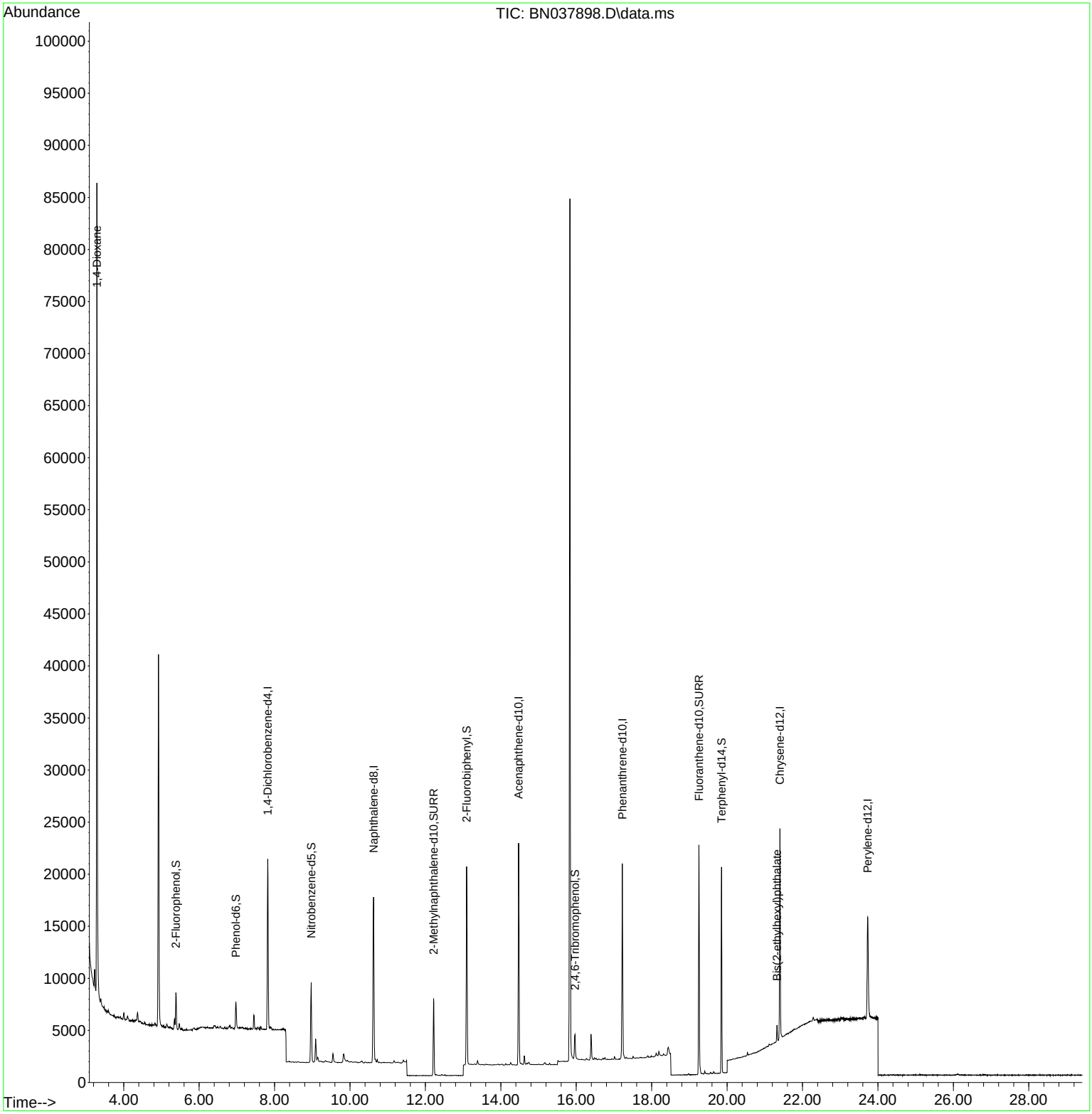
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.818	152	7601	0.400	ng	0.00
7) Naphthalene-d8	10.626	136	21427	0.400	ng	0.00
13) Acenaphthene-d10	14.473	164	11165	0.400	ng	0.00
19) Phenanthrene-d10	17.223	188	23219	0.400	ng	0.00
29) Chrysene-d12	21.402	240	17732	0.400	ng	0.00
35) Perylene-d12	23.730	264	14515	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.384	112	2798	0.161	ng	0.00
5) Phenol-d6	6.973	99	2293	0.101	ng	0.00
8) Nitrobenzene-d5	8.971	82	5900	0.361	ng	0.00
11) 2-Methylnaphthalene-d10	12.217	152	9997	0.336	ng	0.00
14) 2,4,6-Tribromophenol	15.969	330	1536	0.363	ng	0.00
15) 2-Fluorobiphenyl	13.094	172	15765	0.345	ng	0.00
27) Fluoranthene-d10	19.252	212	23968	0.410	ng	0.00
31) Terphenyl-d14	19.852	244	17629	0.499	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.290	88	47437	6.148	ng	98
34) Bis(2-ethylhexyl)phtha...	21.321	149	1516	0.062	ng	# 92

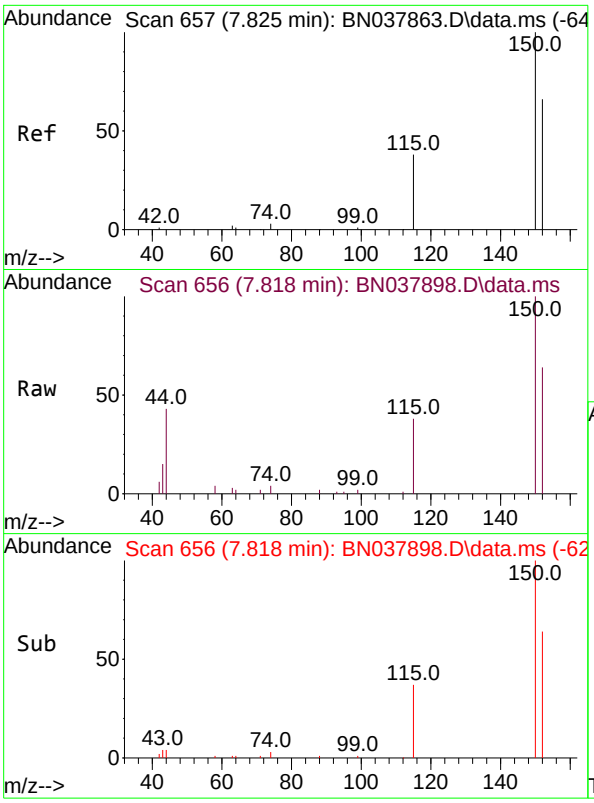
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092525\
Data File : BN037898.D
Acq On : 25 Sep 2025 20:41
Operator : RC/JU
Sample : Q3156-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE132D2-20250918

Quant Time: Sep 25 23:50:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration



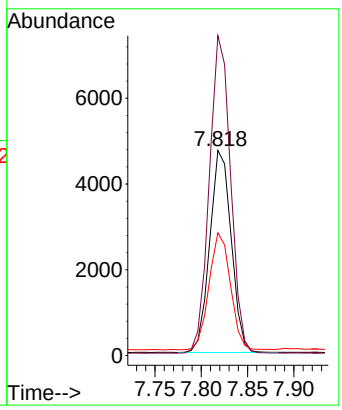


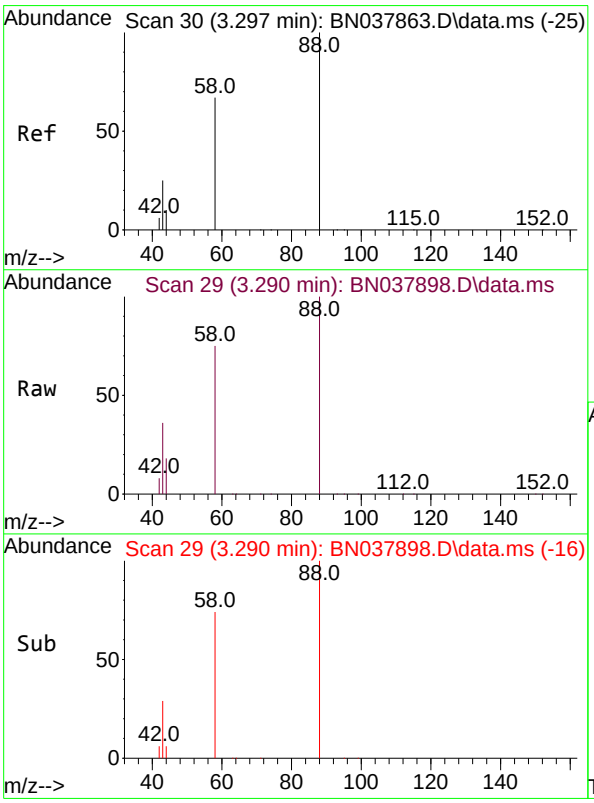
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.818 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN037898.D
Acq: 25 Sep 2025 20:41

Instrument :
BNA_N
ClientSampleId :
RE132D2-20250918

Tgt Ion:152 Resp: 7601

Ion	Ratio	Lower	Upper
152	100		
150	155.9	121.0	181.4
115	59.9	47.4	71.0

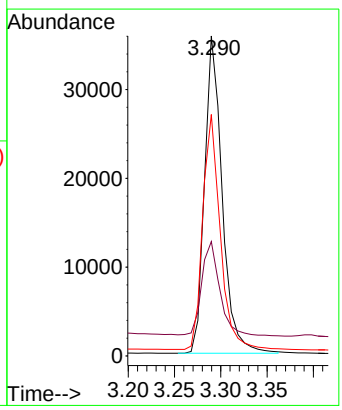


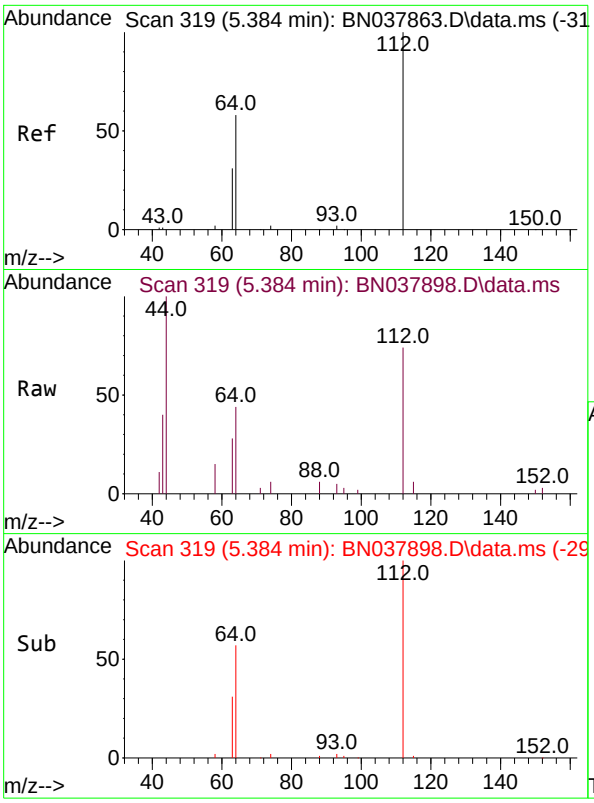


#2
1,4-Dioxane
Concen: 6.148 ng
RT: 3.290 min Scan# 29
Delta R.T. -0.008 min
Lab File: BN037898.D
Acq: 25 Sep 2025 20:41

Tgt Ion: 88 Resp: 47437

Ion	Ratio	Lower	Upper
88	100		
43	30.6	26.6	39.8
58	73.4	58.9	88.3



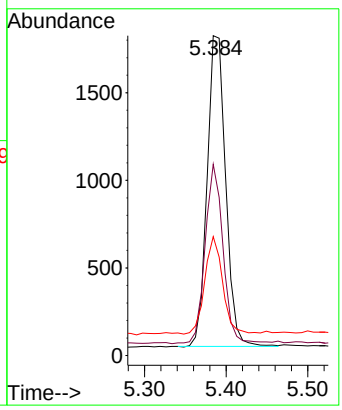


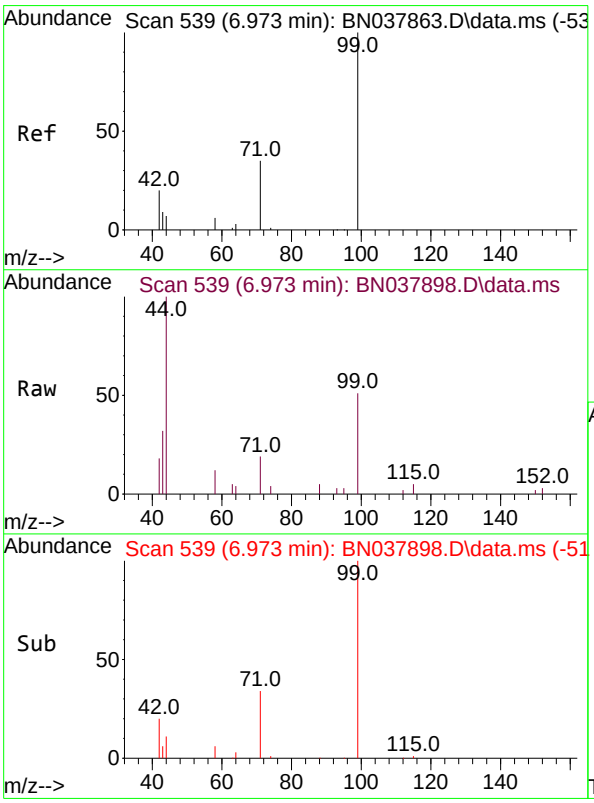
#4
2-Fluorophenol
Concen: 0.161 ng
RT: 5.384 min Scan# 31
Delta R.T. -0.000 min
Lab File: BN037898.D
Acq: 25 Sep 2025 20:41

Instrument :
BNA_N
ClientSampleId :
RE132D2-20250918

Tgt Ion:112 Resp: 2798

Ion	Ratio	Lower	Upper
112	100		
64	55.8	44.6	66.8
63	30.2	24.9	37.3

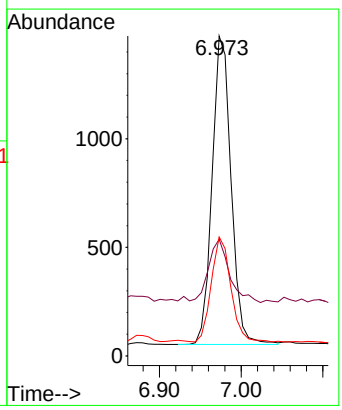


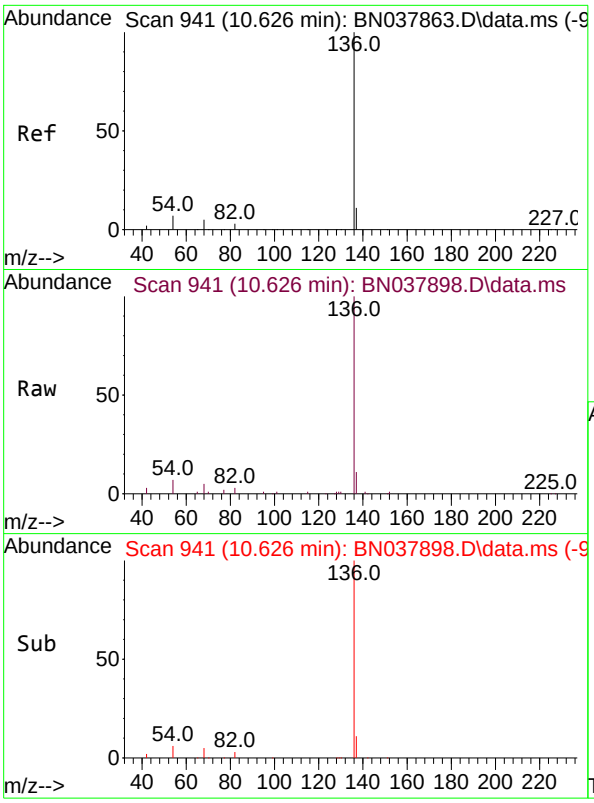


#5
Phenol-d6
Concen: 0.101 ng
RT: 6.973 min Scan# 539
Delta R.T. -0.000 min
Lab File: BN037898.D
Acq: 25 Sep 2025 20:41

Tgt Ion: 99 Resp: 2293

Ion	Ratio	Lower	Upper
99	100		
42	23.2	17.2	25.8
71	35.1	27.3	40.9



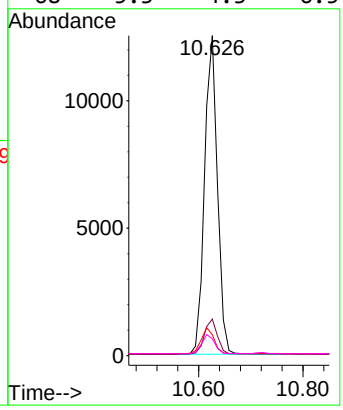


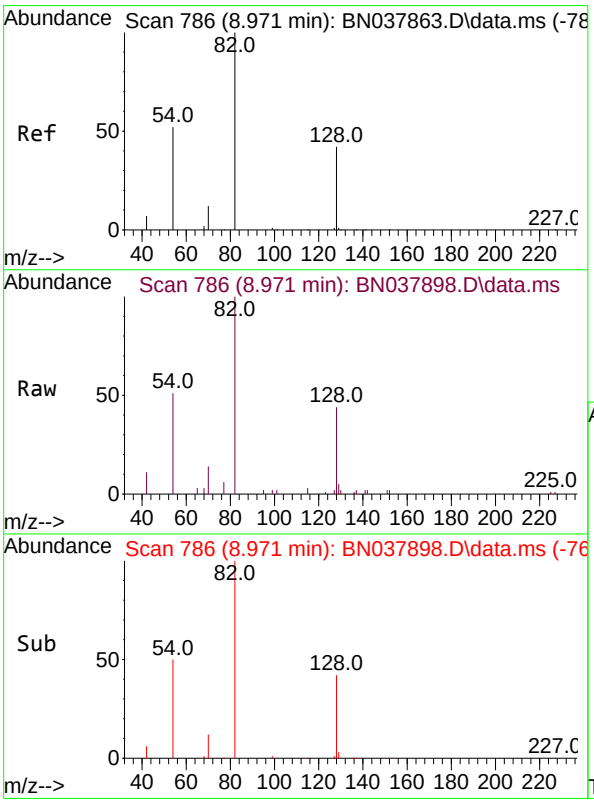
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.626 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN037898.D
Acq: 25 Sep 2025 20:41

Instrument :
BNA_N
ClientSampleId :
RE132D2-20250918

Tgt Ion:136 Resp: 21427

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.0	13.4
54	6.5	5.8	8.8
68	5.3	4.3	6.5

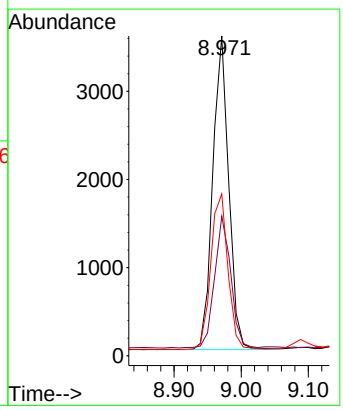


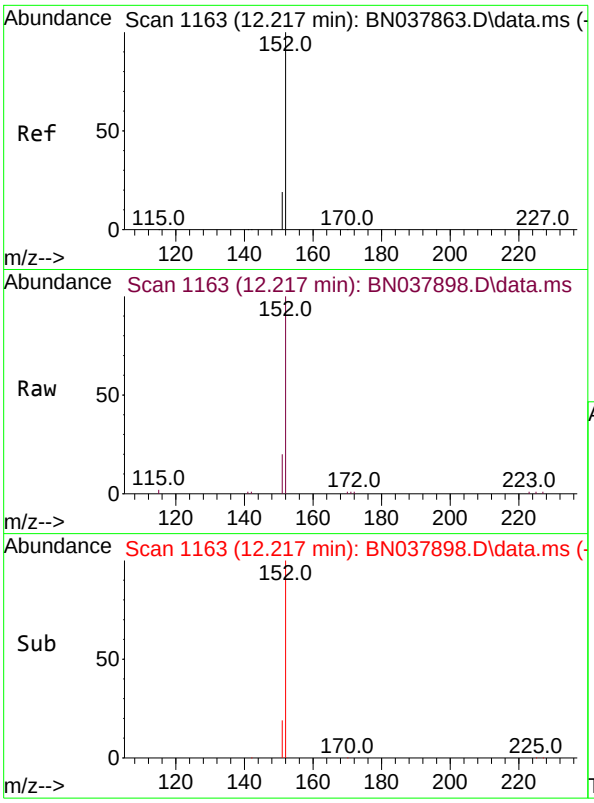


#8
Nitrobenzene-d5
Concen: 0.361 ng
RT: 8.971 min Scan# 786
Delta R.T. -0.000 min
Lab File: BN037898.D
Acq: 25 Sep 2025 20:41

Tgt Ion: 82 Resp: 5900

Ion	Ratio	Lower	Upper
82	100		
128	43.6	34.8	52.2
54	50.6	42.2	63.2



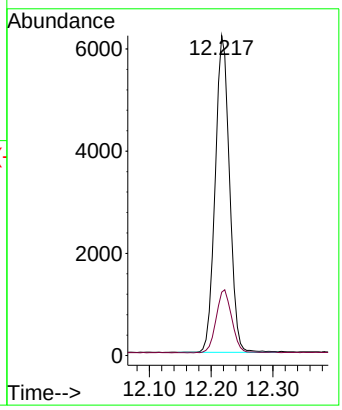


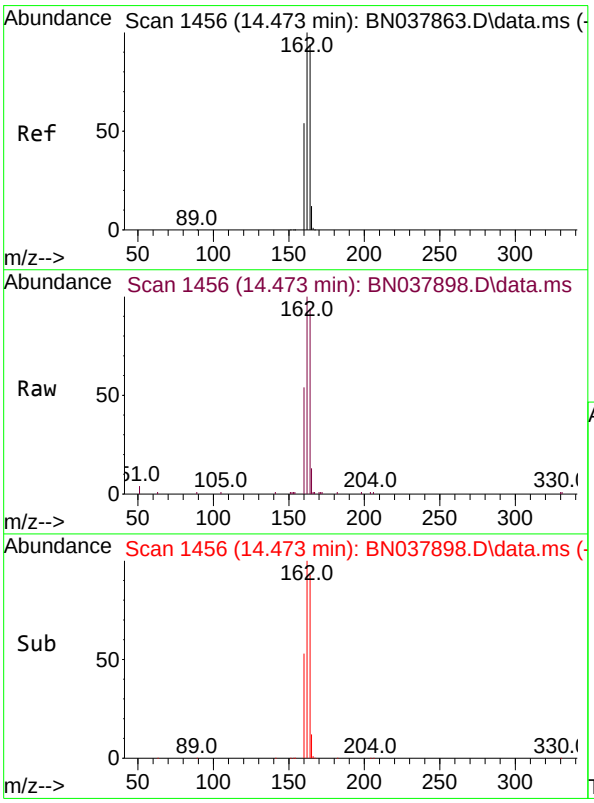
#11
2-Methylnaphthalene-d10
Concen: 0.336 ng
RT: 12.217 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN037898.D
Acq: 25 Sep 2025 20:41

Instrument :
BNA_N
ClientSampleId :
RE132D2-20250918

Tgt Ion:152 Resp: 9997

Ion	Ratio	Lower	Upper
152	100		
151	21.6	17.4	26.2

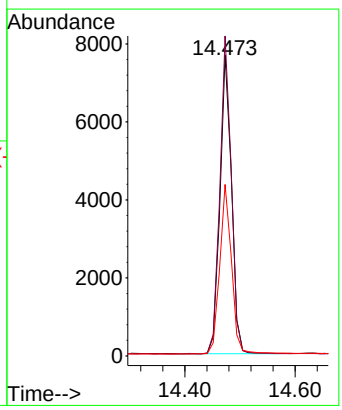


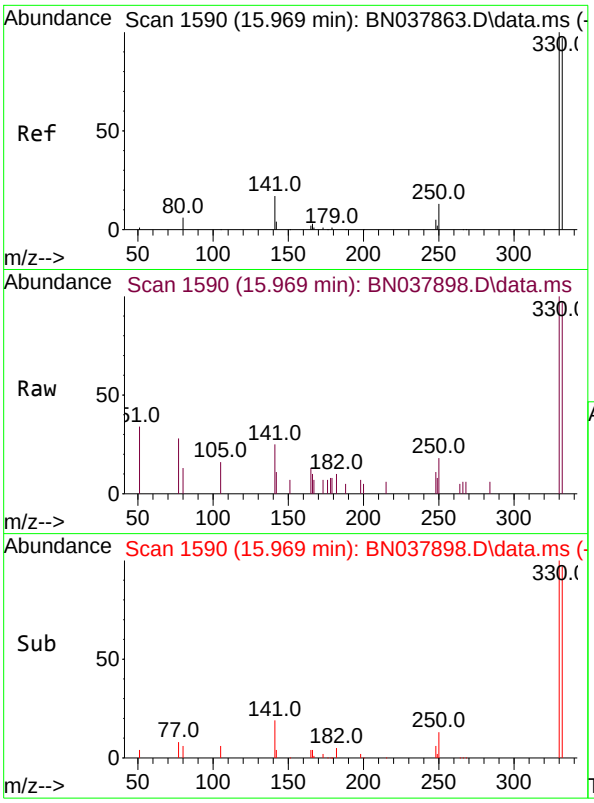


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.473 min Scan# 1456
Delta R.T. -0.000 min
Lab File: BN037898.D
Acq: 25 Sep 2025 20:41

Tgt Ion:164 Resp: 11165

Ion	Ratio	Lower	Upper
164	100		
162	106.3	84.8	127.2
160	57.0	46.1	69.1



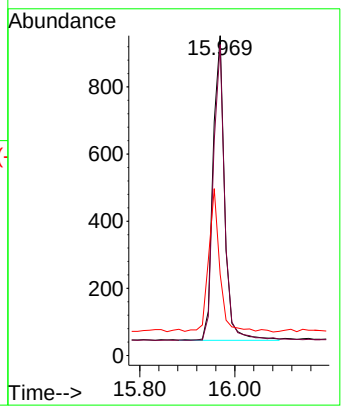


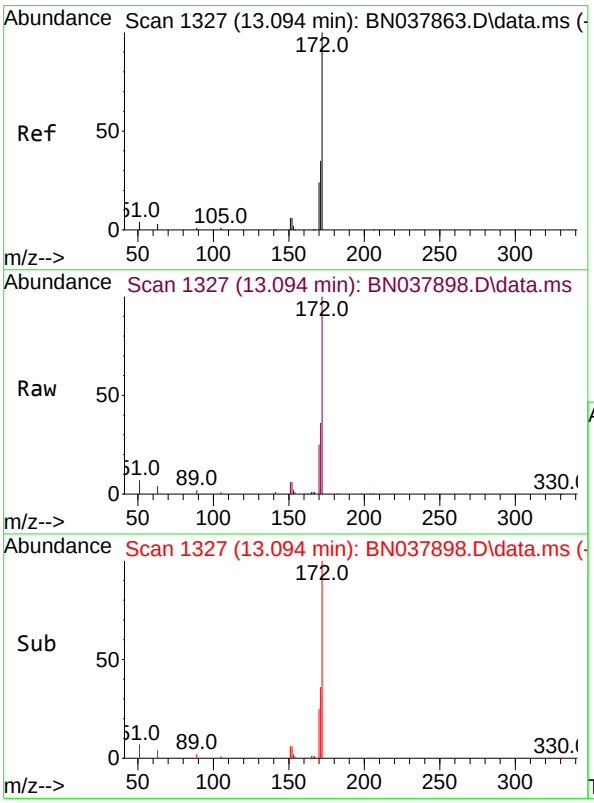
#14
2,4,6-Tribromophenol
Concen: 0.363 ng
RT: 15.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037898.D
Acq: 25 Sep 2025 20:41

Instrument :
BNA_N
ClientSampleId :
RE132D2-20250918

Tgt Ion:330 Resp: 1536

Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.2	115.8
141	45.6	37.2	55.8

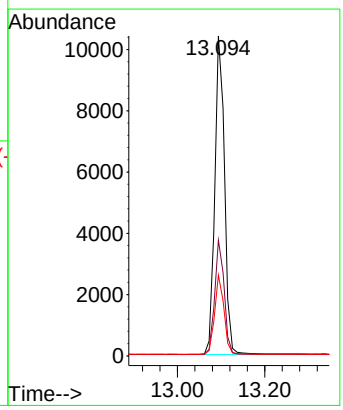


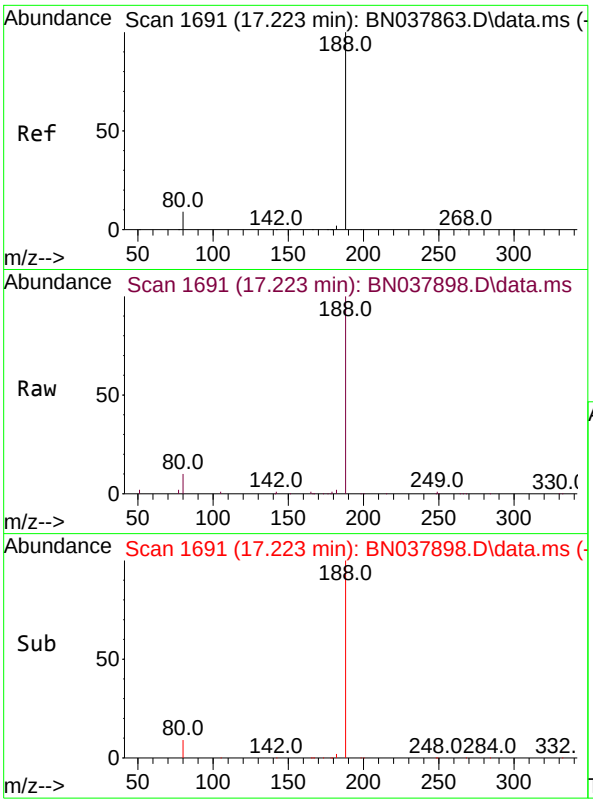


#15
2-Fluorobiphenyl
Concen: 0.345 ng
RT: 13.094 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BN037898.D
Acq: 25 Sep 2025 20:41

Tgt Ion:172 Resp: 15765

Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.6	43.0
170	25.2	19.7	29.5



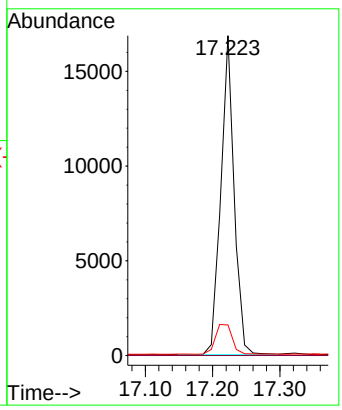


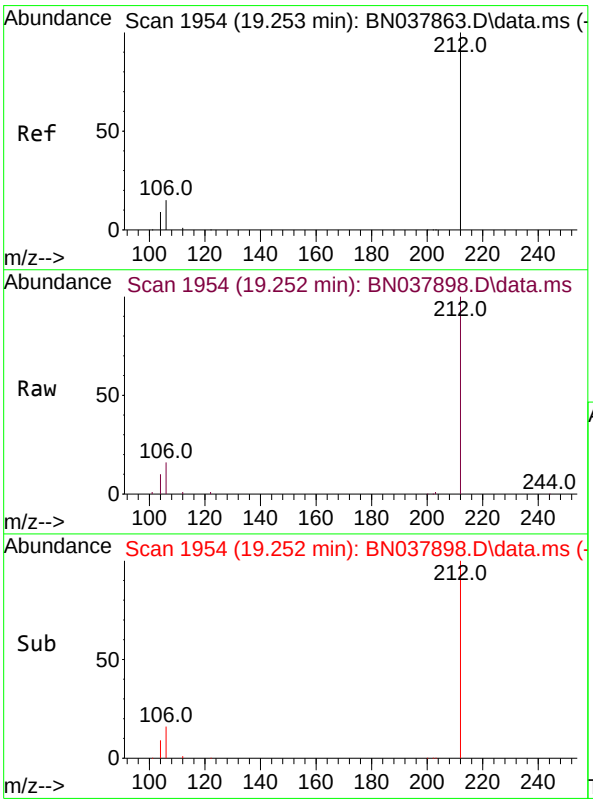
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.223 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037898.D
Acq: 25 Sep 2025 20:41

Instrument :
BNA_N
ClientSampleId :
RE132D2-20250918

Tgt Ion:188 Resp: 23219

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.6	7.6	11.4

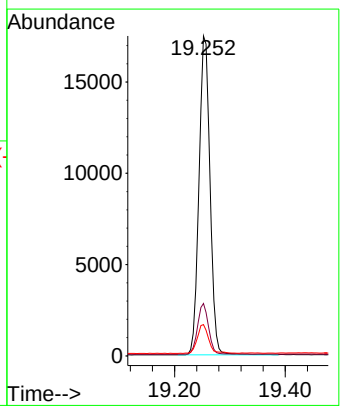


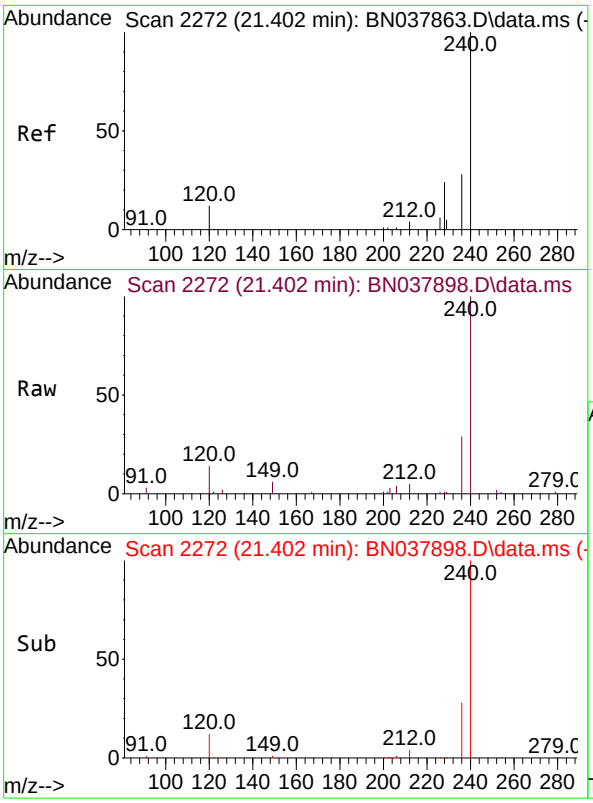


#27
Fluoranthene-d10
Concen: 0.410 ng
RT: 19.252 min Scan# 1954
Delta R.T. -0.000 min
Lab File: BN037898.D
Acq: 25 Sep 2025 20:41

Tgt Ion:212 Resp: 23968

Ion	Ratio	Lower	Upper
212	100		
106	15.8	12.6	19.0
104	9.3	7.4	11.0



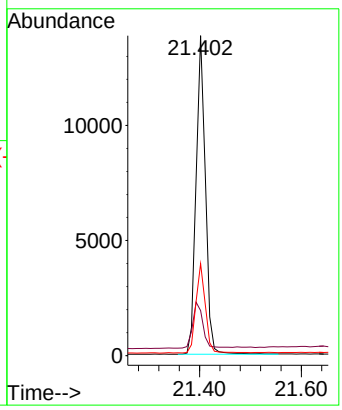


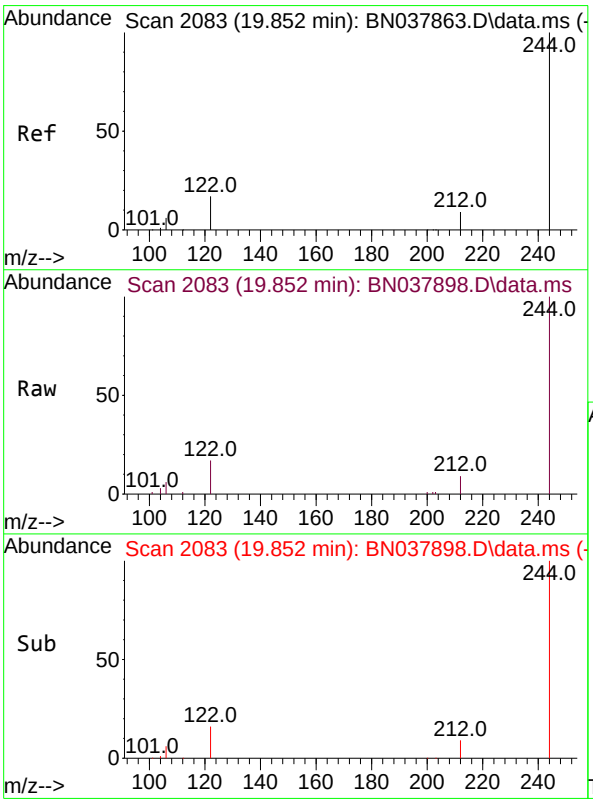
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.402 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037898.D
Acq: 25 Sep 2025 20:41

Instrument :
BNA_N
ClientSampleId :
RE132D2-20250918

Tgt Ion:240 Resp: 17732

Ion	Ratio	Lower	Upper
240	100		
120	14.1	11.4	17.2
236	28.7	23.0	34.6

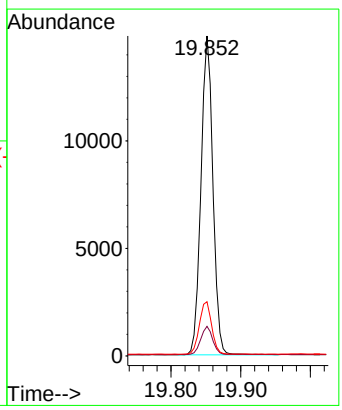


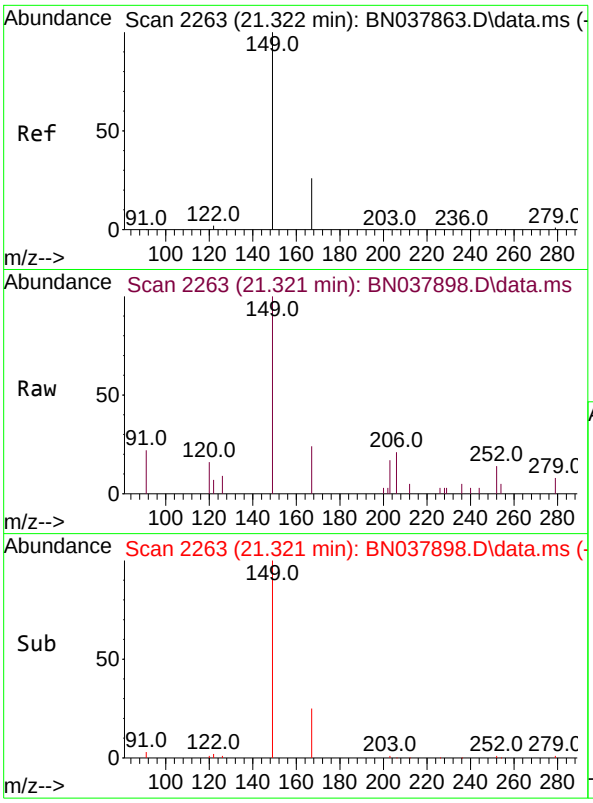


#31
Terphenyl-d14
Concen: 0.499 ng
RT: 19.852 min Scan# 2083
Delta R.T. -0.000 min
Lab File: BN037898.D
Acq: 25 Sep 2025 20:41

Tgt Ion:244 Resp: 17629

Ion	Ratio	Lower	Upper
244	100		
212	9.2	7.6	11.4
122	16.9	13.9	20.9



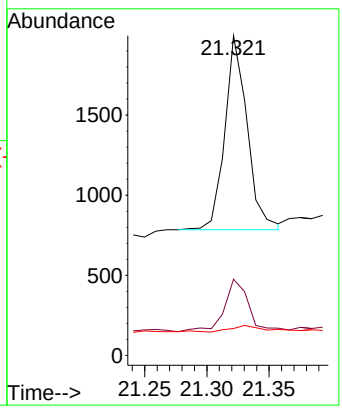


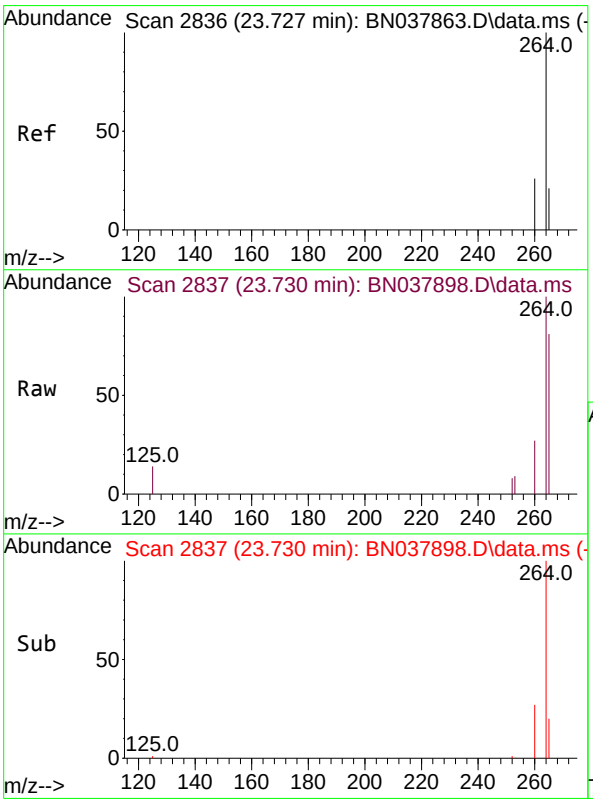
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.062 ng
RT: 21.321 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037898.D
Acq: 25 Sep 2025 20:41

Instrument :
BNA_N
ClientSampleId :
RE132D2-20250918

Tgt Ion:149 Resp: 1516

Ion	Ratio	Lower	Upper
149	100		
167	29.6	20.4	30.6
279	5.4	2.4	3.6#

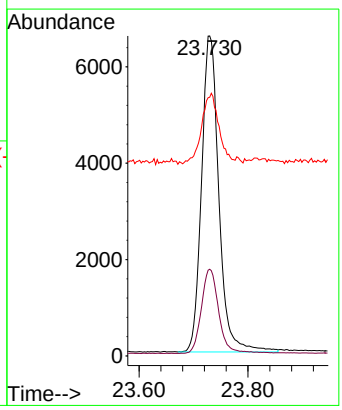




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.730 min Scan# 2837
Delta R.T. 0.003 min
Lab File: BN037898.D
Acq: 25 Sep 2025 20:41

Tgt Ion:264 Resp: 14515

Ion	Ratio	Lower	Upper
264	100		
260	27.1	21.5	32.3
265	80.8	53.8	80.6#



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:	09/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/19/25
Client Sample ID:	RE132D2-20250918DL	SDG No.:	Q3156
Lab Sample ID:	Q3156-05DL	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
BN037938.D	2	09/23/25 09:15	09/29/25 16:57	PB169794

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	5.50	D	0.13	0.40	0.40	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.30		30 - 150		76%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.40		30 - 150		100%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.34		55 - 111		84%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.33		53 - 106		81%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.42		58 - 132		104%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	5580	7.818				
1146-65-2	Naphthalene-d8	16200	10.616				
15067-26-2	Acenaphthene-d10	8390	14.473				
1517-22-2	Phenanthrene-d10	17600	17.211				
1719-03-5	Chrysene-d12	16600	21.393				
1520-96-3	Perylene-d12	17900	23.718				

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\BN092925\
Data File : BN037938.D
Acq On : 29 Sep 2025 16:57
Operator : RC/JU
Sample : Q3156-05DL 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE132D2-20250918DL

Quant Time: Sep 29 17:21:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration

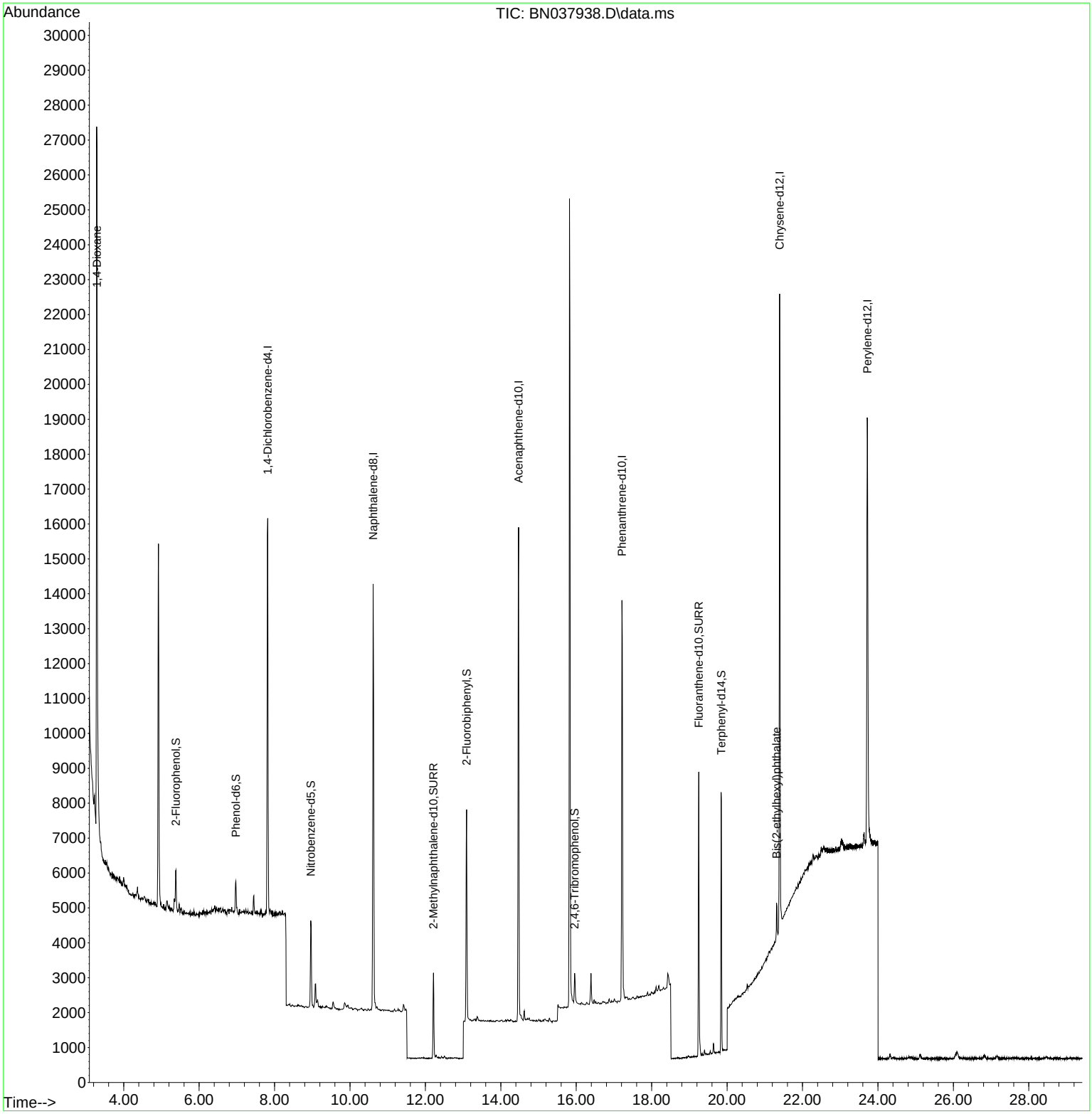
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.818	152	5575	0.400	ng	0.00
7) Naphthalene-d8	10.616	136	16174	0.400	ng	#-0.01
13) Acenaphthene-d10	14.473	164	8394	0.400	ng	0.00
19) Phenanthrene-d10	17.211	188	17604	0.400	ng	#-0.01
29) Chrysene-d12	21.393	240	16611	0.400	ng	# 0.00
35) Perylene-d12	23.718	264	17857	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.384	112	1037	0.082	ng	0.00
5) Phenol-d6	6.973	99	839	0.050	ng	0.00
8) Nitrobenzene-d5	8.961	82	2083	0.169	ng	-0.01
11) 2-Methylnaphthalene-d10	12.212	152	3413	0.152	ng	0.00
14) 2,4,6-Tribromophenol	15.957	330	570	0.179	ng	-0.01
15) 2-Fluorobiphenyl	13.094	172	5598	0.163	ng	0.00
27) Fluoranthene-d10	19.248	212	8829	0.199	ng	0.00
31) Terphenyl-d14	19.847	244	6901	0.209	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.290	88	15688	2.772	ng	98
34) Bis(2-ethylhexyl)phtha...	21.313	149	1227	0.053	ng	# 98

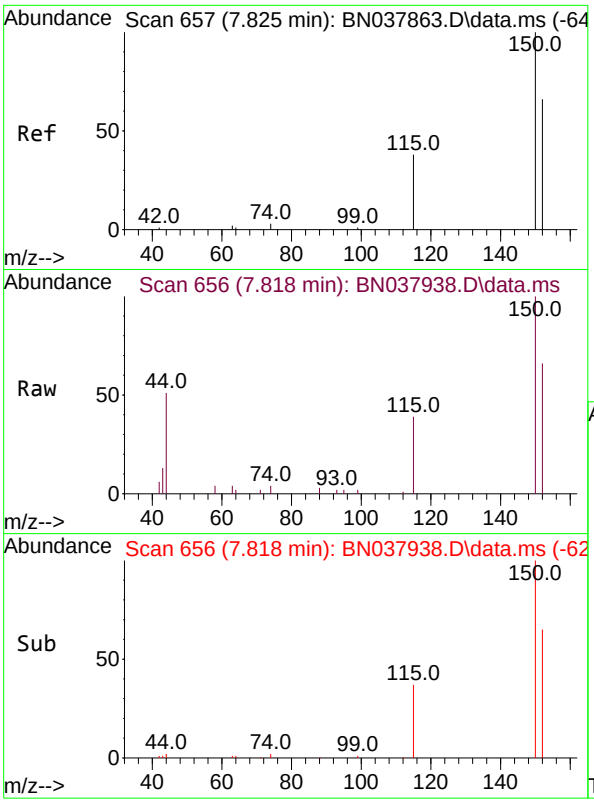
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092925\
Data File : BN037938.D
Acq On : 29 Sep 2025 16:57
Operator : RC/JU
Sample : Q3156-05DL 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE132D2-20250918DL

Quant Time: Sep 29 17:21:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration



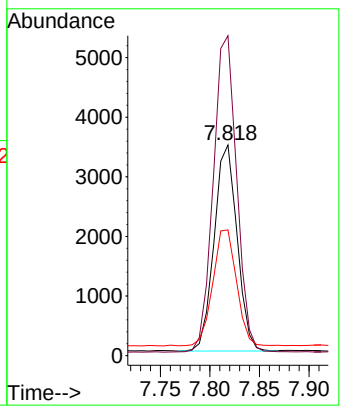


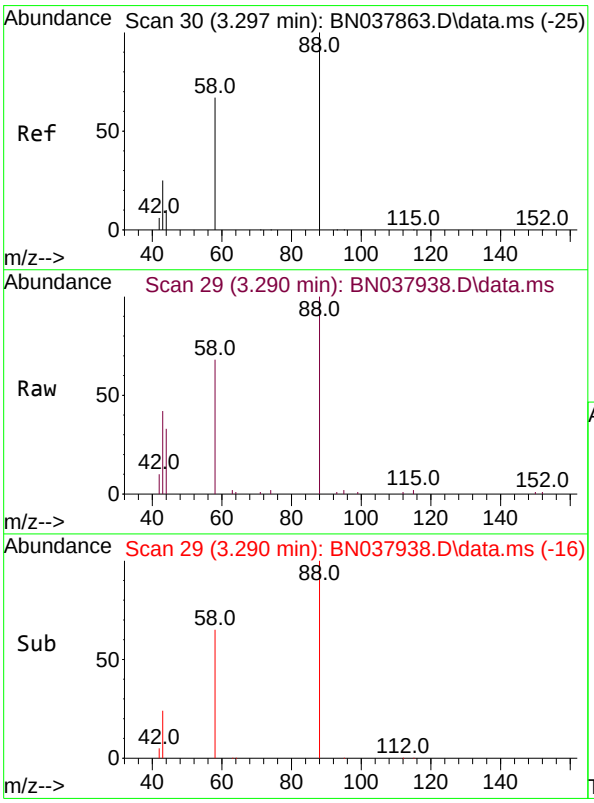
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.818 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN037938.D
Acq: 29 Sep 2025 16:57

Instrument :
BNA_N
ClientSampleId :
RE132D2-20250918DL

Tgt Ion:152 Resp: 5575

Ion	Ratio	Lower	Upper
152	100		
150	151.9	121.0	181.4
115	59.7	47.4	71.0

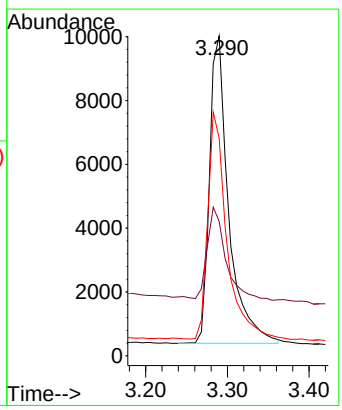


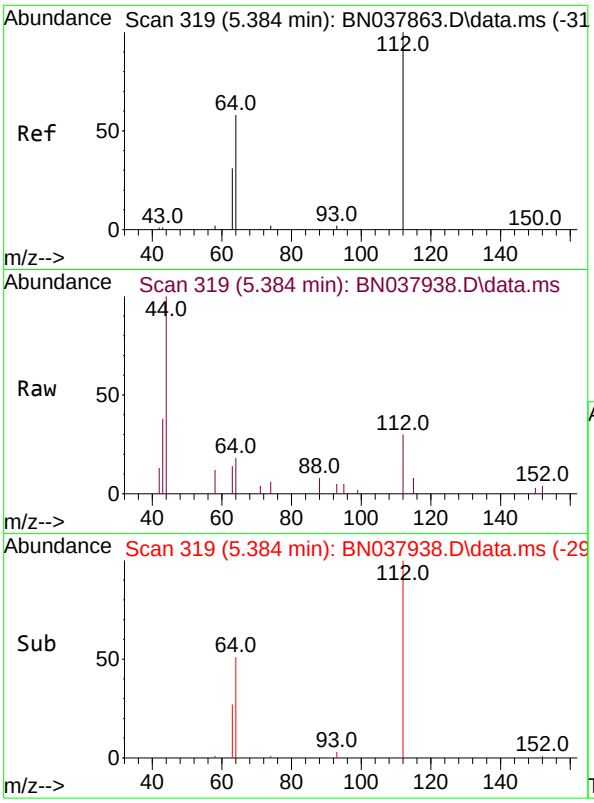


#2
1,4-Dioxane
Concen: 2.772 ng
RT: 3.290 min Scan# 29
Delta R.T. -0.007 min
Lab File: BN037938.D
Acq: 29 Sep 2025 16:57

Tgt Ion: 88 Resp: 15688

Ion	Ratio	Lower	Upper
88	100		
43	29.7	26.6	39.8
58	73.0	58.9	88.3



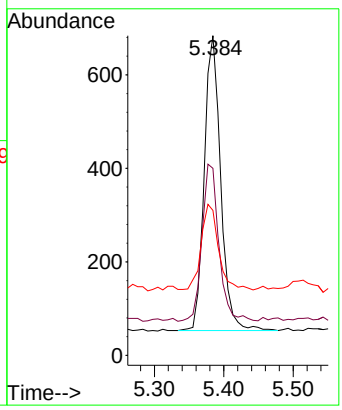


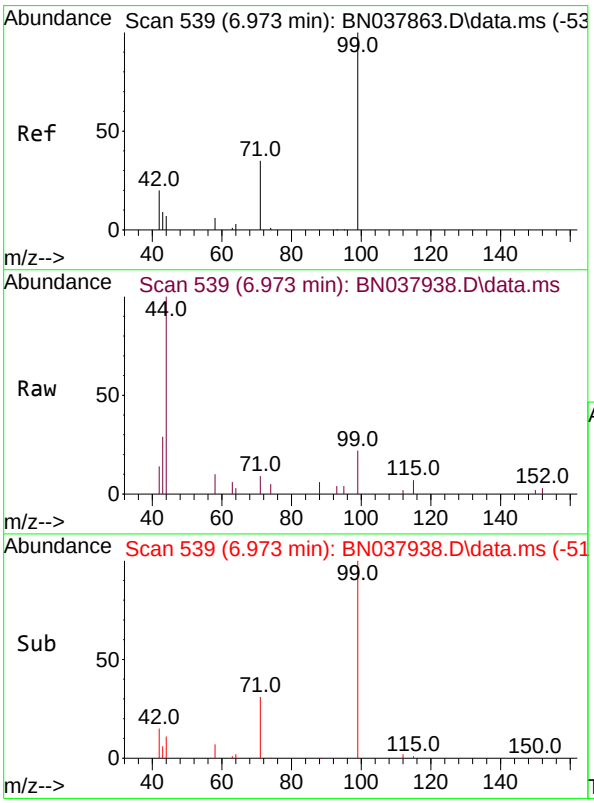
#4
2-Fluorophenol
Concen: 0.082 ng
RT: 5.384 min Scan# 31
Delta R.T. -0.000 min
Lab File: BN037938.D
Acq: 29 Sep 2025 16:57

Instrument :
BNA_N
ClientSampleId :
RE132D2-20250918DL

Tgt Ion:112 Resp: 1037

Ion	Ratio	Lower	Upper
112	100		
64	54.7	44.6	66.8
63	32.0	24.9	37.3

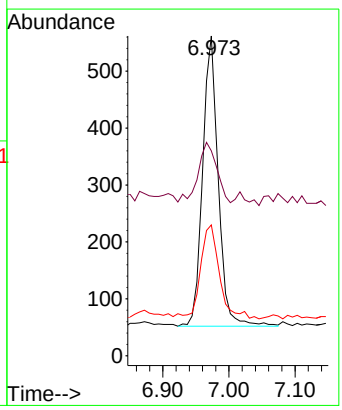


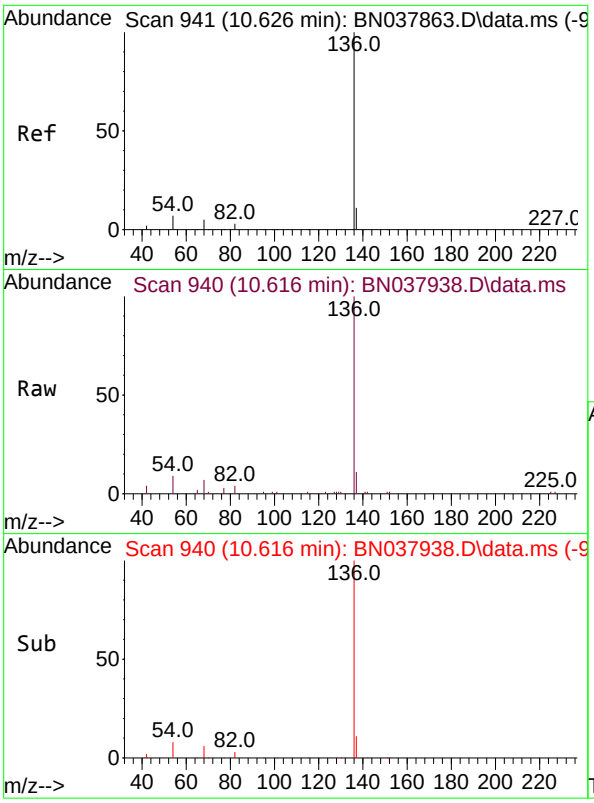


#5
Phenol-d6
Concen: 0.050 ng
RT: 6.973 min Scan# 539
Delta R.T. -0.000 min
Lab File: BN037938.D
Acq: 29 Sep 2025 16:57

Tgt Ion: 99 Resp: 839

Ion	Ratio	Lower	Upper
99	100		
42	24.4	17.2	25.8
71	38.6	27.3	40.9



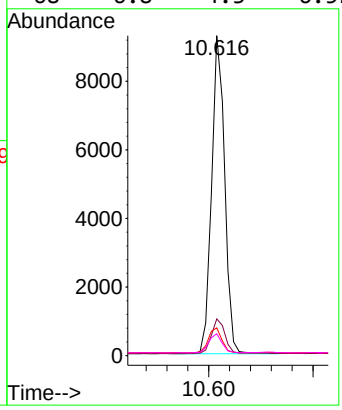


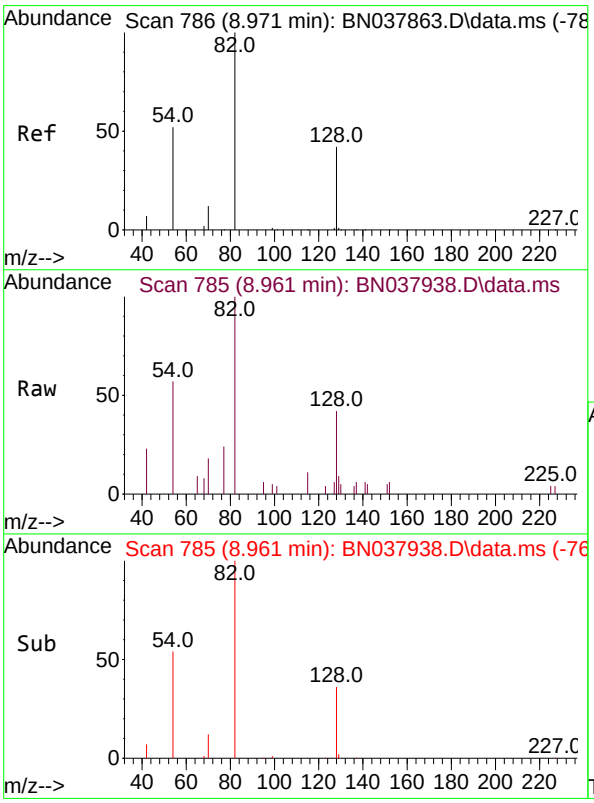
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.616 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037938.D
Acq: 29 Sep 2025 16:57

Instrument :
BNA_N
ClientSampleId :
RE132D2-20250918DL

Tgt Ion:136 Resp: 16174

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.0	13.4
54	8.7	5.8	8.8
68	6.8	4.3	6.5#

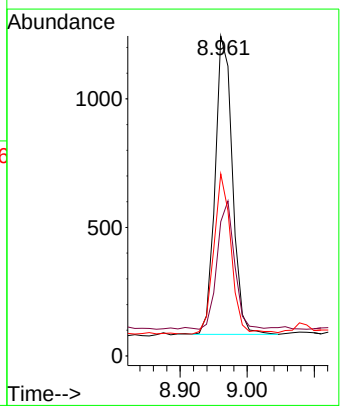


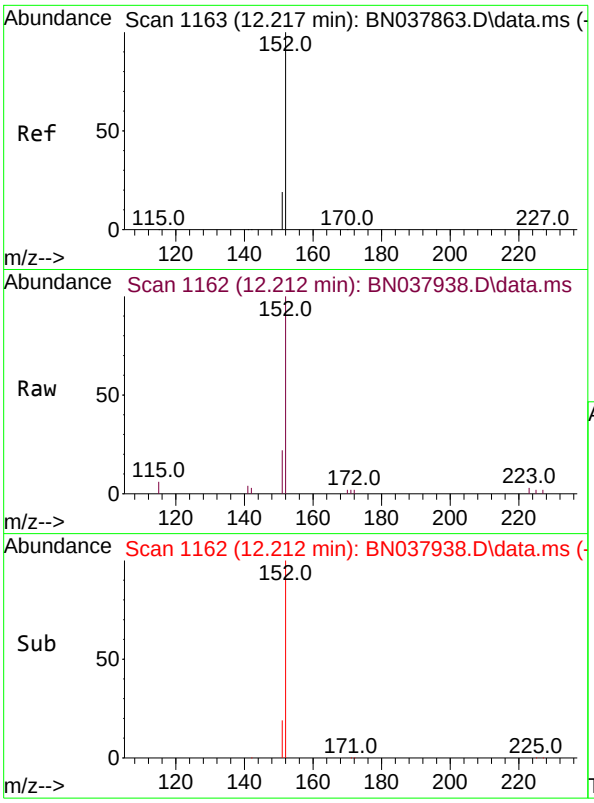


#8
Nitrobenzene-d5
Concen: 0.169 ng
RT: 8.961 min Scan# 785
Delta R.T. -0.011 min
Lab File: BN037938.D
Acq: 29 Sep 2025 16:57

Tgt Ion: 82 Resp: 2083

Ion	Ratio	Lower	Upper
82	100		
128	41.9	34.8	52.2
54	56.9	42.2	63.2



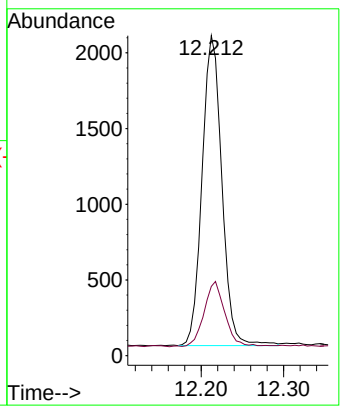


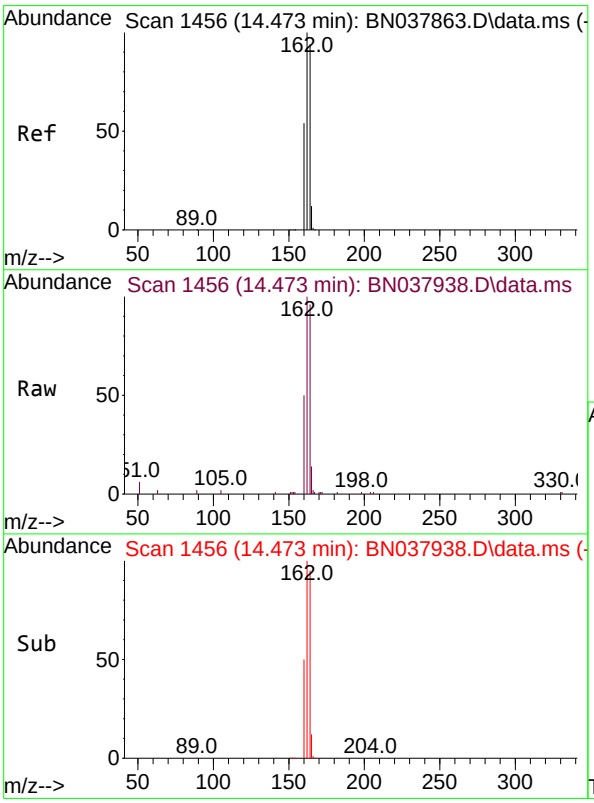
#11
2-Methylnaphthalene-d10
Concen: 0.152 ng
RT: 12.212 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN037938.D
Acq: 29 Sep 2025 16:57

Instrument :
BNA_N
ClientSampleId :
RE132D2-20250918DL

Tgt Ion:152 Resp: 3413

Ion	Ratio	Lower	Upper
152	100		
151	22.2	17.4	26.2

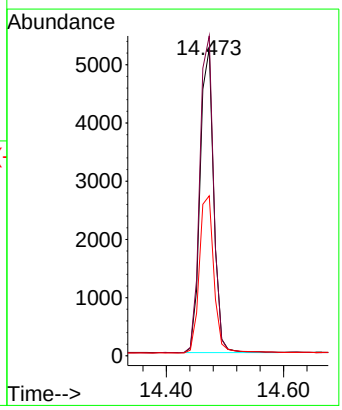


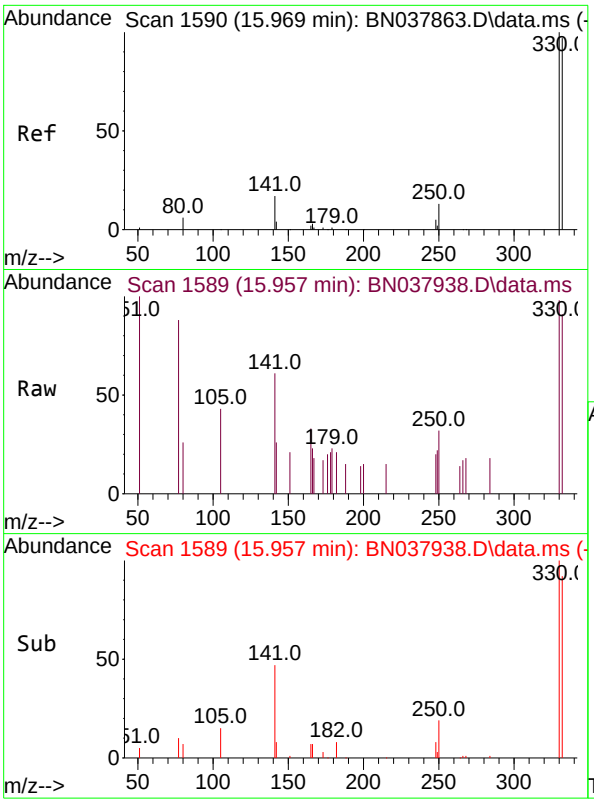


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.473 min Scan# 1456
Delta R.T. -0.000 min
Lab File: BN037938.D
Acq: 29 Sep 2025 16:57

Tgt Ion:164 Resp: 8394

Ion	Ratio	Lower	Upper
164	100		
162	104.2	84.8	127.2
160	52.1	46.1	69.1



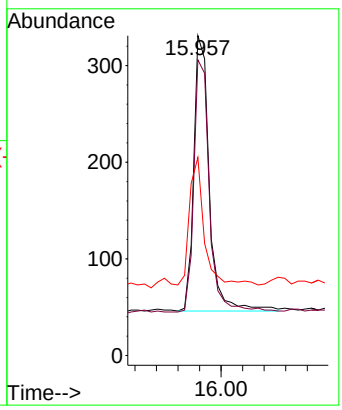


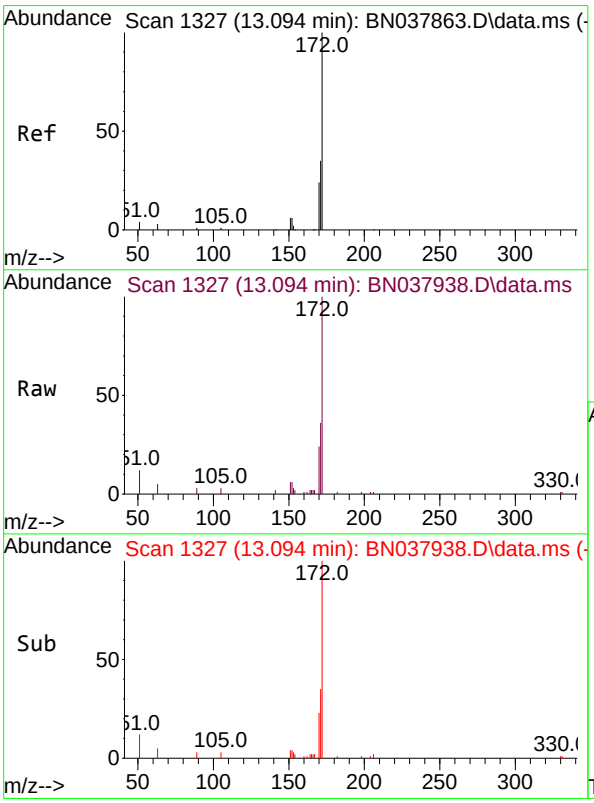
#14
2,4,6-Tribromophenol
Concen: 0.179 ng
RT: 15.957 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037938.D
Acq: 29 Sep 2025 16:57

Instrument :
BNA_N
ClientSampleId :
RE132D2-20250918DL

Tgt Ion:330 Resp: 570

Ion	Ratio	Lower	Upper
330	100		
332	91.4	77.2	115.8
141	43.3	37.2	55.8

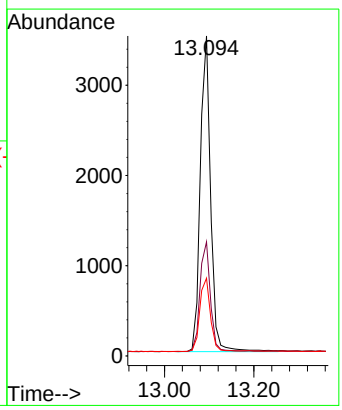


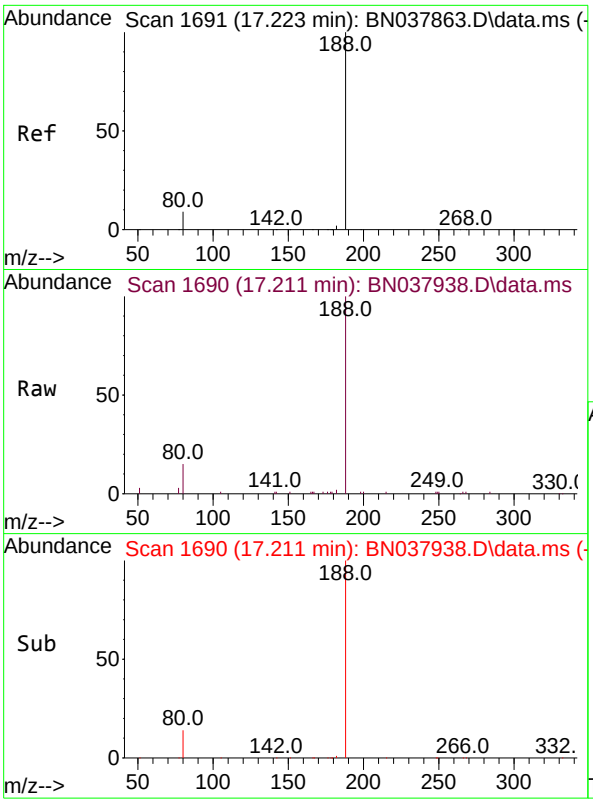


#15
2-Fluorobiphenyl
Concen: 0.163 ng
RT: 13.094 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BN037938.D
Acq: 29 Sep 2025 16:57

Tgt Ion:172 Resp: 5598

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.6	43.0
170	24.3	19.7	29.5



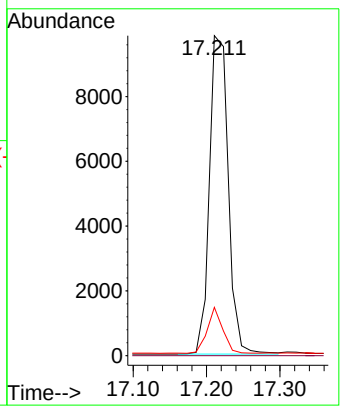


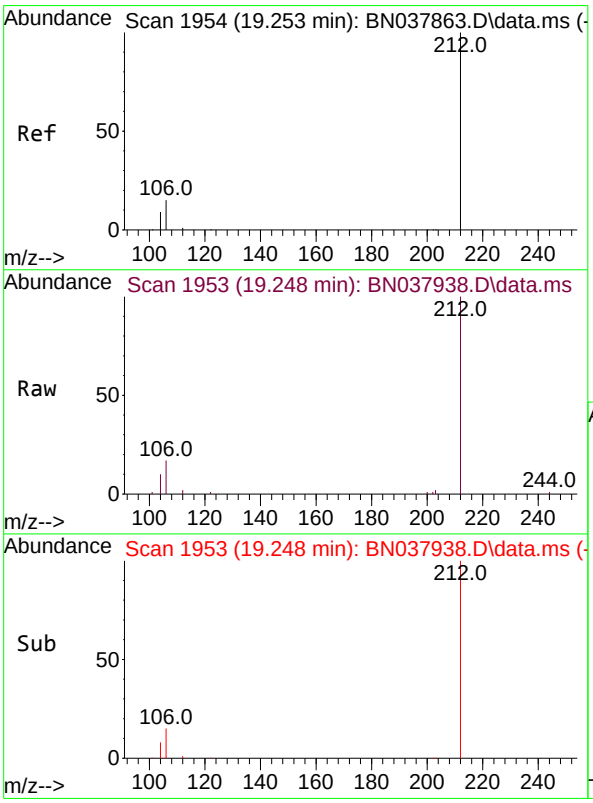
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.211 min Scan# 1
Delta R.T. -0.013 min
Lab File: BN037938.D
Acq: 29 Sep 2025 16:57

Instrument :
BNA_N
ClientSampleId :
RE132D2-20250918DL

Tgt Ion:188 Resp: 17604

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	15.1	7.6	11.4#

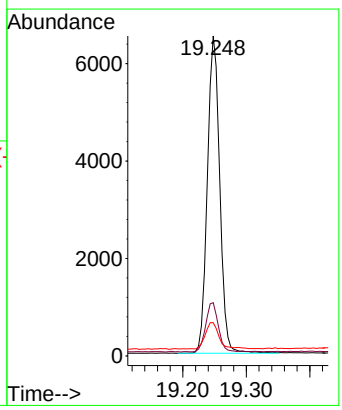


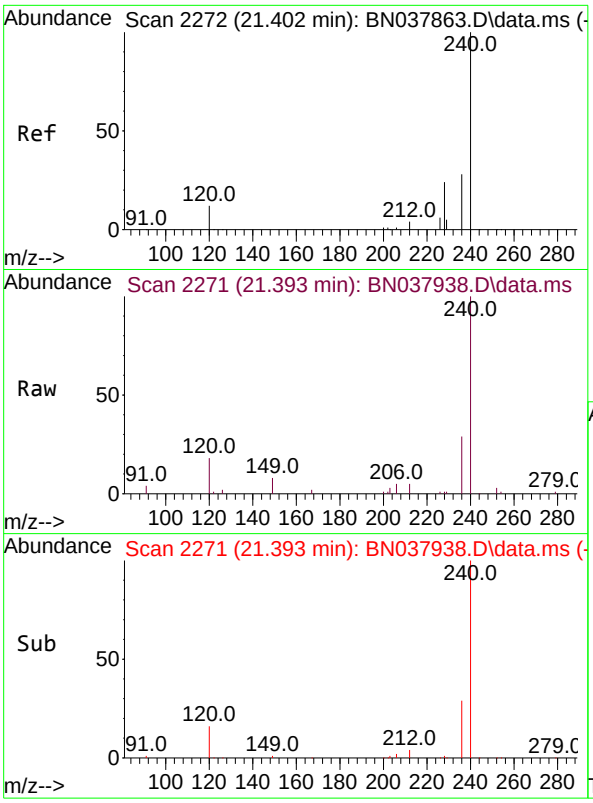


#27
Fluoranthene-d10
Concen: 0.199 ng
RT: 19.248 min Scan# 1953
Delta R.T. -0.005 min
Lab File: BN037938.D
Acq: 29 Sep 2025 16:57

Tgt Ion:212 Resp: 8829

Ion	Ratio	Lower	Upper
212	100		
106	15.6	12.6	19.0
104	8.9	7.4	11.0



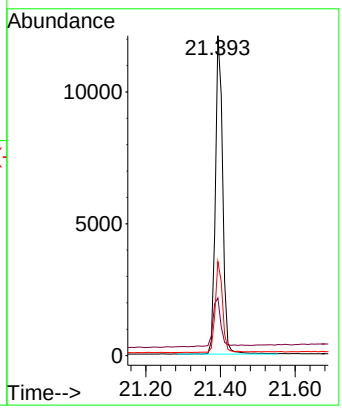


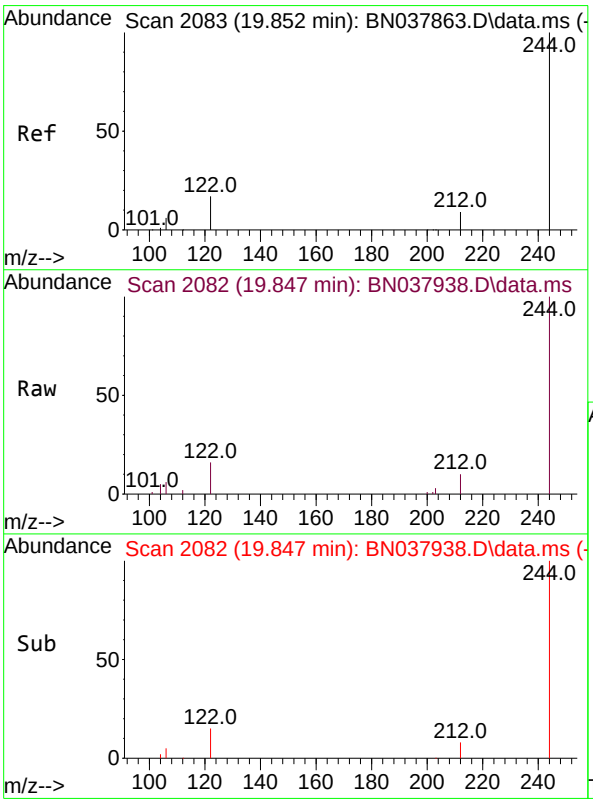
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.393 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037938.D
Acq: 29 Sep 2025 16:57

Instrument :
BNA_N
ClientSampleId :
RE132D2-20250918DL

Tgt Ion:240 Resp: 16611

Ion	Ratio	Lower	Upper
240	100		
120	18.0	11.4	17.2#
236	29.4	23.0	34.6

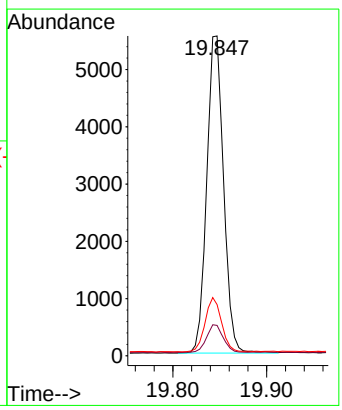


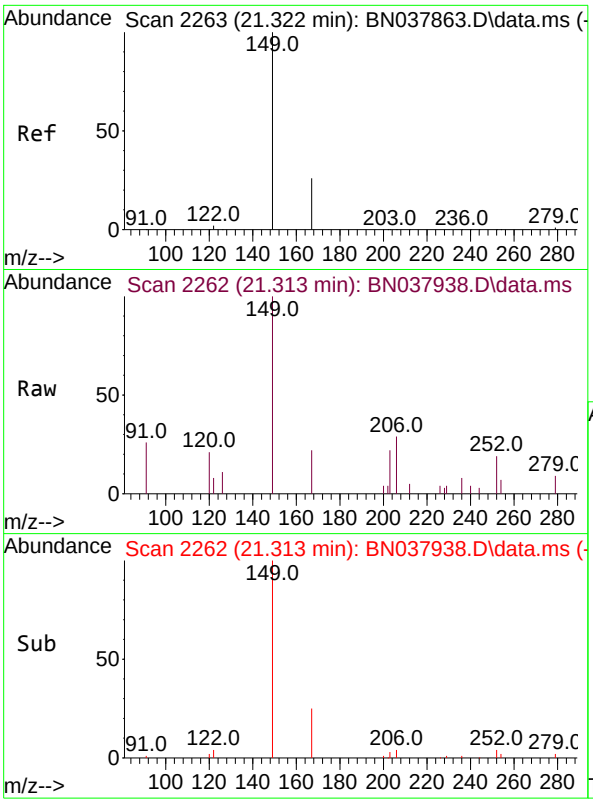


#31
Terphenyl-d14
Concen: 0.209 ng
RT: 19.847 min Scan# 2082
Delta R.T. -0.005 min
Lab File: BN037938.D
Acq: 29 Sep 2025 16:57

Tgt Ion:244 Resp: 6901

Ion	Ratio	Lower	Upper
244	100		
212	9.5	7.6	11.4
122	16.0	13.9	20.9



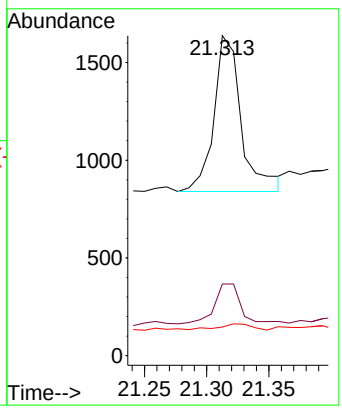


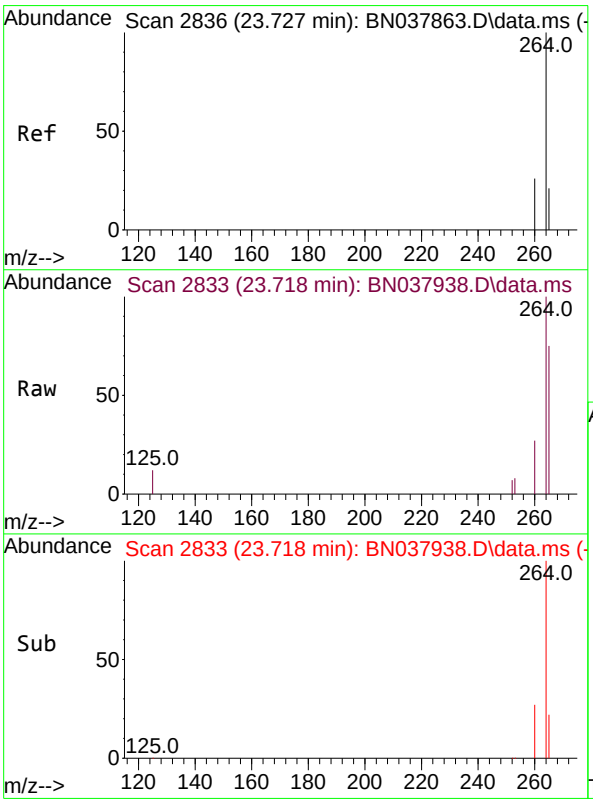
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.053 ng
RT: 21.313 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037938.D
Acq: 29 Sep 2025 16:57

Instrument :
BNA_N
ClientSampleId :
RE132D2-20250918DL

Tgt Ion:149 Resp: 1227

Ion	Ratio	Lower	Upper
149	100		
167	24.5	20.4	30.6
279	4.6	2.4	3.6#

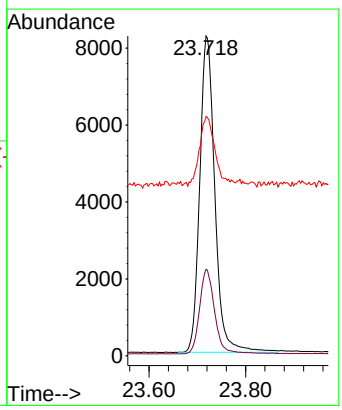




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.718 min Scan# 2833
Delta R.T. -0.009 min
Lab File: BN037938.D
Acq: 29 Sep 2025 16:57

Tgt Ion:264 Resp: 17857

Ion	Ratio	Lower	Upper
264	100		
260	27.1	21.5	32.3
265	74.8	53.8	80.6



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:	09/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/19/25
Client Sample ID:	RE132D4-20250918	SDG No.:	Q3156
Lab Sample ID:	Q3156-06	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037899.D	1	09/23/25 09:15	09/25/25 21:18	PB169794

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	5.10	E	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	0.42		30 - 150		105%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.36		55 - 111		91%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.36		53 - 106		89%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.52		58 - 132		131%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7380	7.818				
1146-65-2	Naphthalene-d8	21000	10.626				
15067-26-2	Acenaphthene-d10	10800	14.473				
1517-22-2	Phenanthrene-d10	22600	17.223				
1719-03-5	Chrysene-d12	17400	21.402				
1520-96-3	Perylene-d12	13700	23.73				

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\BN092525\
Data File : BN037899.D
Acq On : 25 Sep 2025 21:18
Operator : RC/JU
Sample : Q3156-06
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE132D4-20250918

Quant Time: Sep 25 23:51:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration

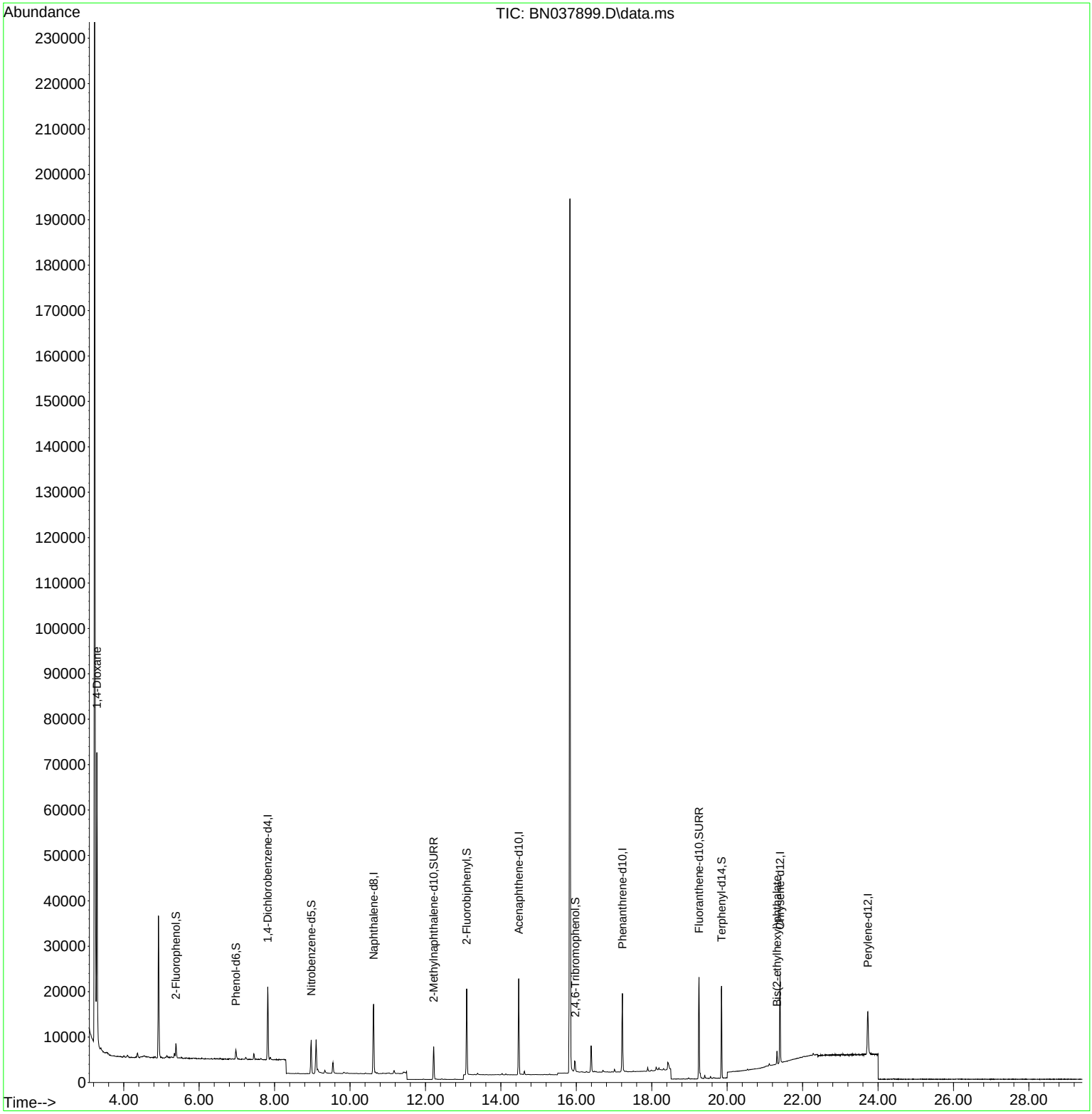
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.818	152	7384	0.400	ng	0.00
7) Naphthalene-d8	10.626	136	20979	0.400	ng	0.00
13) Acenaphthene-d10	14.473	164	10786	0.400	ng	0.00
19) Phenanthrene-d10	17.223	188	22576	0.400	ng	0.00
29) Chrysene-d12	21.402	240	17392	0.400	ng	0.00
35) Perylene-d12	23.730	264	13747	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.384	112	2506	0.149	ng	0.00
5) Phenol-d6	6.973	99	1872	0.085	ng	0.00
8) Nitrobenzene-d5	8.971	82	5819	0.364	ng	0.00
11) 2-Methylnaphthalene-d10	12.217	152	9648	0.331	ng	0.00
14) 2,4,6-Tribromophenol	15.969	330	1514	0.370	ng	0.00
15) 2-Fluorobiphenyl	13.094	172	15712	0.356	ng	0.00
27) Fluoranthene-d10	19.252	212	23974	0.422	ng	0.00
31) Terphenyl-d14	19.852	244	18157	0.524	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.290	88	38085	5.081	ng	99
34) Bis(2-ethylhexyl)phtha...	21.322	149	2931	0.122	ng	95

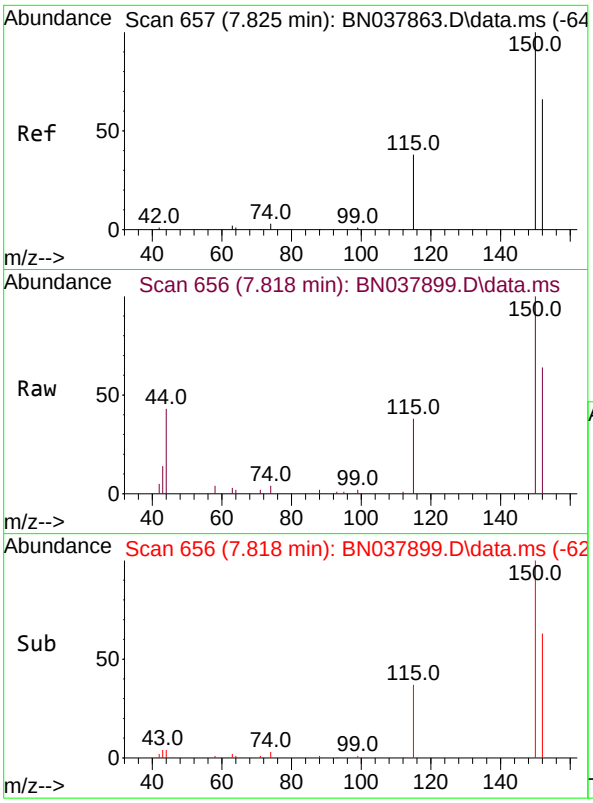
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092525\
Data File : BN037899.D
Acq On : 25 Sep 2025 21:18
Operator : RC/JU
Sample : Q3156-06
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE132D4-20250918

Quant Time: Sep 25 23:51:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration



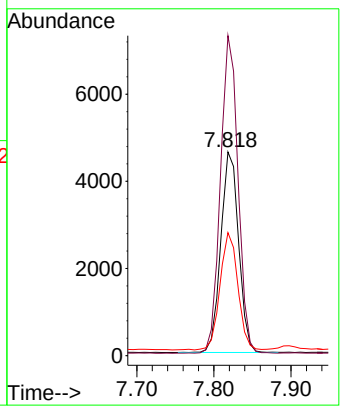


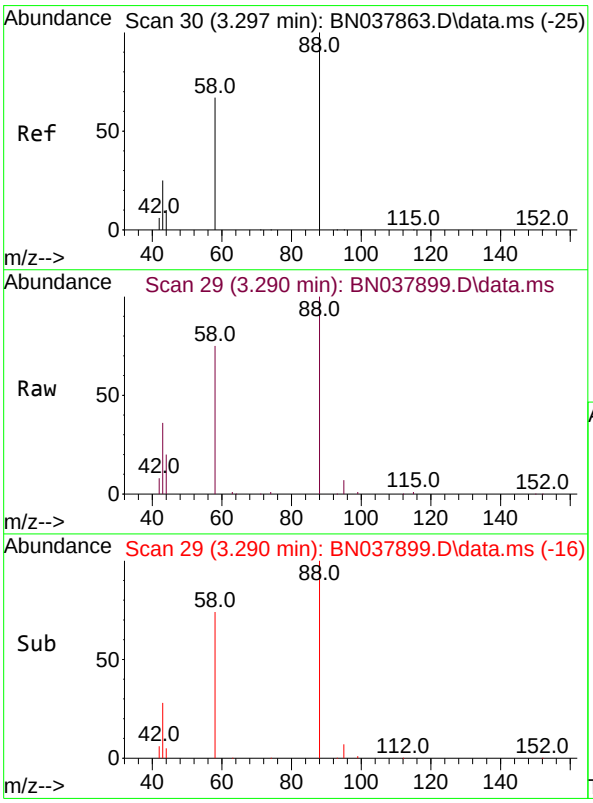
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.818 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN037899.D
Acq: 25 Sep 2025 21:18

Instrument :
BNA_N
ClientSampleId :
RE132D4-20250918

Tgt Ion:152 Resp: 7384

Ion	Ratio	Lower	Upper
152	100		
150	157.2	121.0	181.4
115	60.4	47.4	71.0

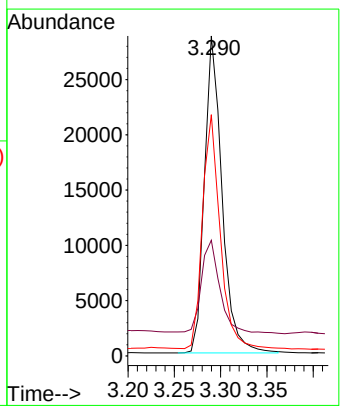


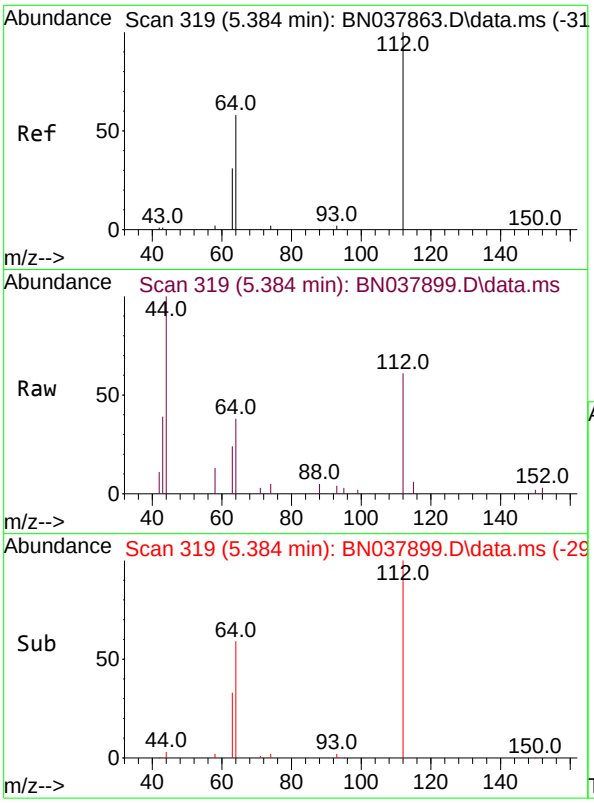


#2
1,4-Dioxane
Concen: 5.081 ng
RT: 3.290 min Scan# 29
Delta R.T. -0.007 min
Lab File: BN037899.D
Acq: 25 Sep 2025 21:18

Tgt Ion: 88 Resp: 38085

Ion	Ratio	Lower	Upper
88	100		
43	30.9	26.6	39.8
58	73.3	58.9	88.3



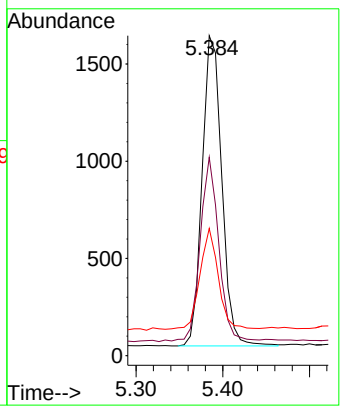


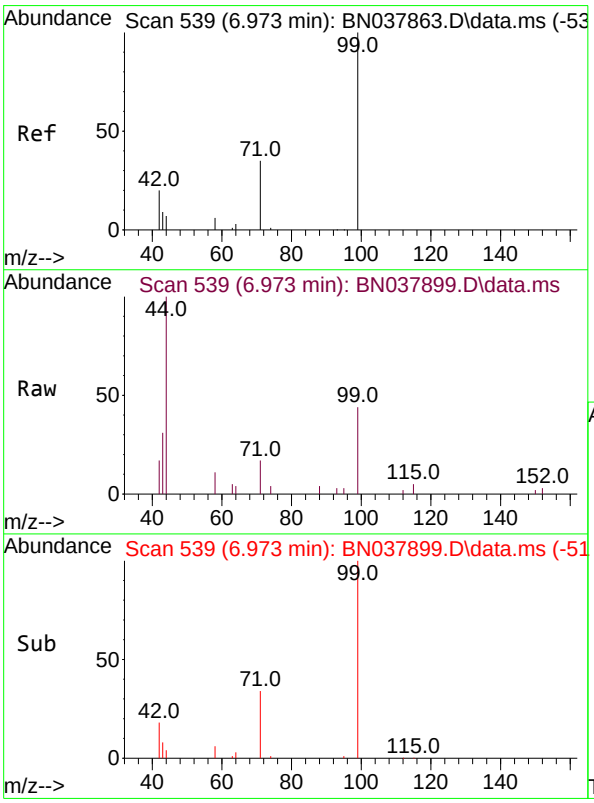
#4
2-Fluorophenol
Concen: 0.149 ng
RT: 5.384 min Scan# 31
Delta R.T. -0.000 min
Lab File: BN037899.D
Acq: 25 Sep 2025 21:18

Instrument :
BNA_N
ClientSampleId :
RE132D4-20250918

Tgt Ion:112 Resp: 2506

Ion	Ratio	Lower	Upper
112	100		
64	56.5	44.6	66.8
63	30.2	24.9	37.3

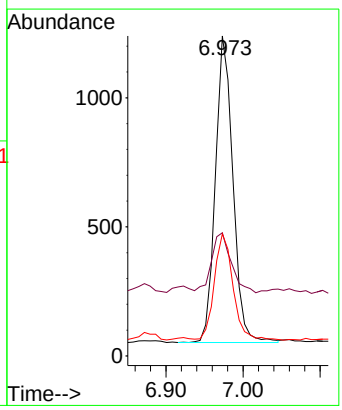


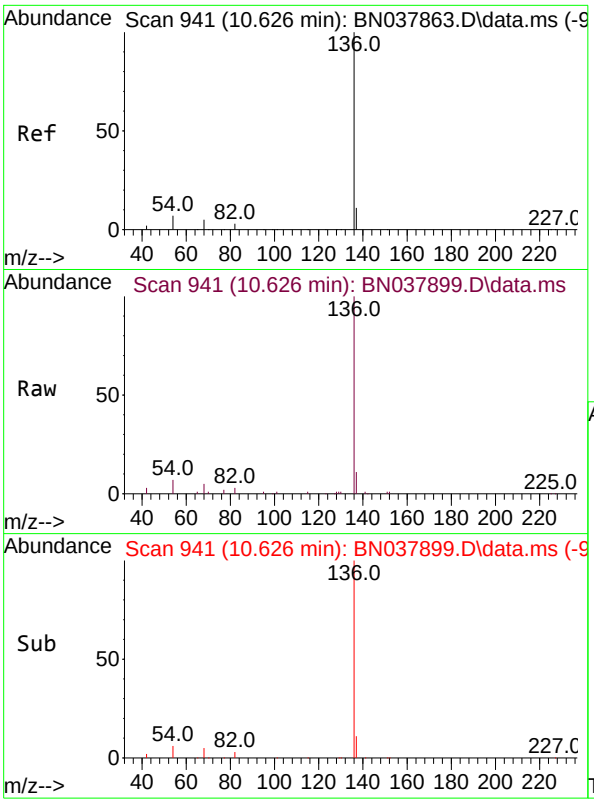


#5
Phenol-d6
Concen: 0.085 ng
RT: 6.973 min Scan# 539
Delta R.T. -0.000 min
Lab File: BN037899.D
Acq: 25 Sep 2025 21:18

Tgt Ion: 99 Resp: 1872

Ion	Ratio	Lower	Upper
99	100		
42	21.9	17.2	25.8
71	37.1	27.3	40.9



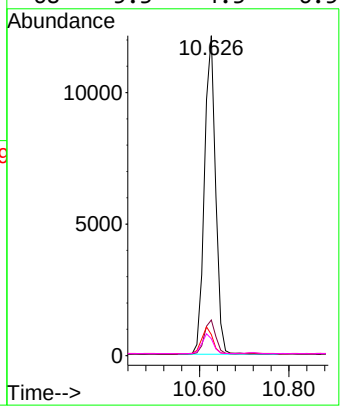


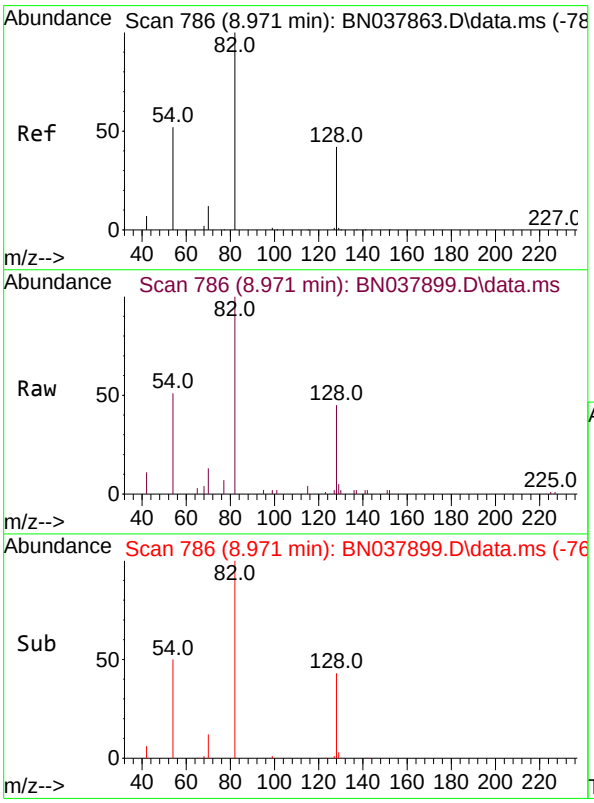
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.626 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN037899.D
Acq: 25 Sep 2025 21:18

Instrument :
BNA_N
ClientSampleId :
RE132D4-20250918

Tgt Ion:136 Resp: 20979

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	6.6	5.8	8.8
68	5.3	4.3	6.5

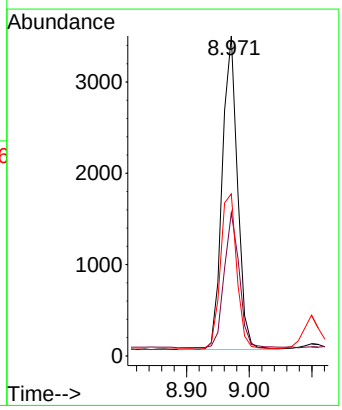


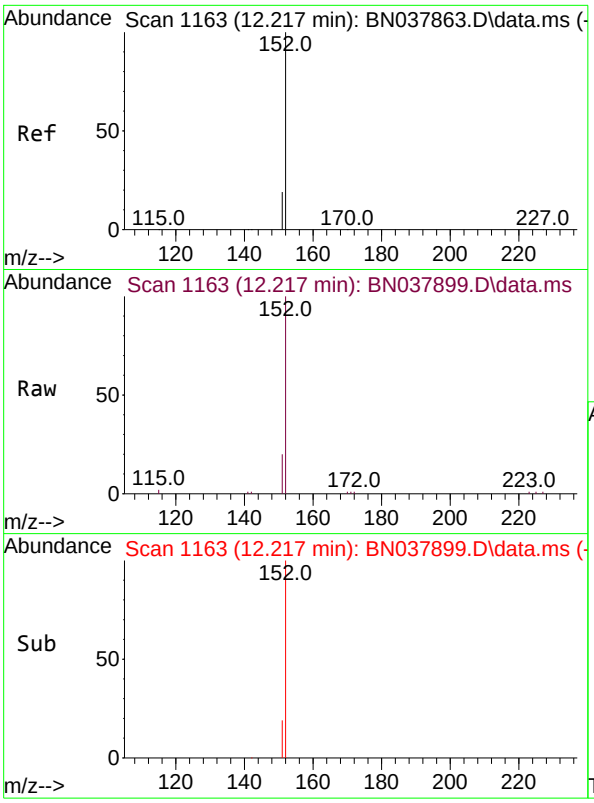


#8
Nitrobenzene-d5
Concen: 0.364 ng
RT: 8.971 min Scan# 786
Delta R.T. -0.000 min
Lab File: BN037899.D
Acq: 25 Sep 2025 21:18

Tgt Ion: 82 Resp: 5819

Ion	Ratio	Lower	Upper
82	100		
128	44.7	34.8	52.2
54	50.6	42.2	63.2



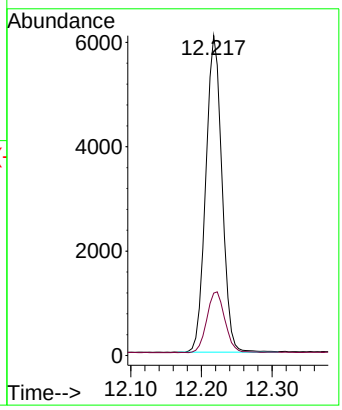


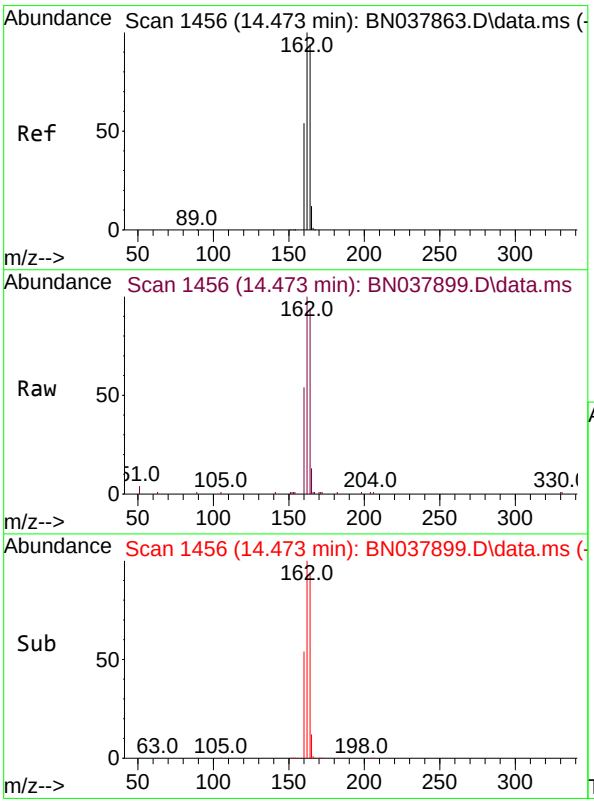
#11
2-Methylnaphthalene-d10
Concen: 0.331 ng
RT: 12.217 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN037899.D
Acq: 25 Sep 2025 21:18

Instrument :
BNA_N
ClientSampleId :
RE132D4-20250918

Tgt Ion:152 Resp: 9648

Ion	Ratio	Lower	Upper
152	100		
151	21.5	17.4	26.2

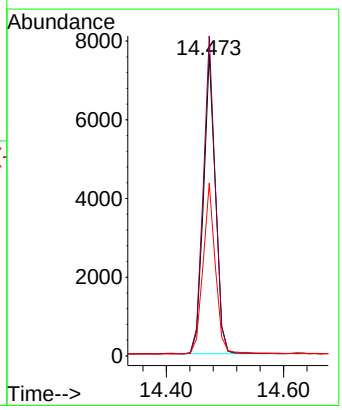


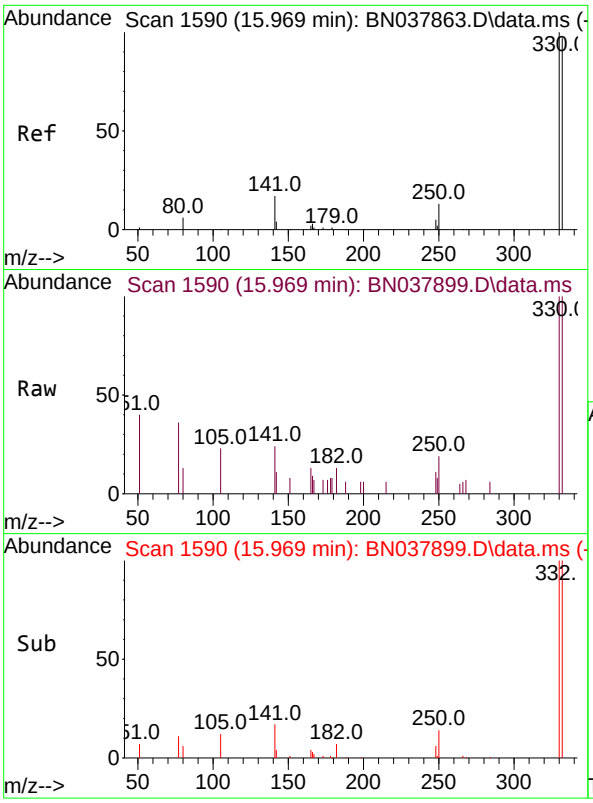


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.473 min Scan# 1456
Delta R.T. -0.000 min
Lab File: BN037899.D
Acq: 25 Sep 2025 21:18

Tgt Ion:164 Resp: 10786

Ion	Ratio	Lower	Upper
164	100		
162	106.1	84.8	127.2
160	57.3	46.1	69.1



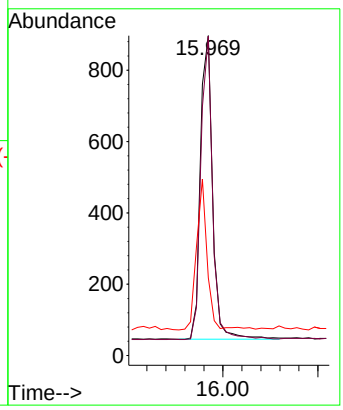


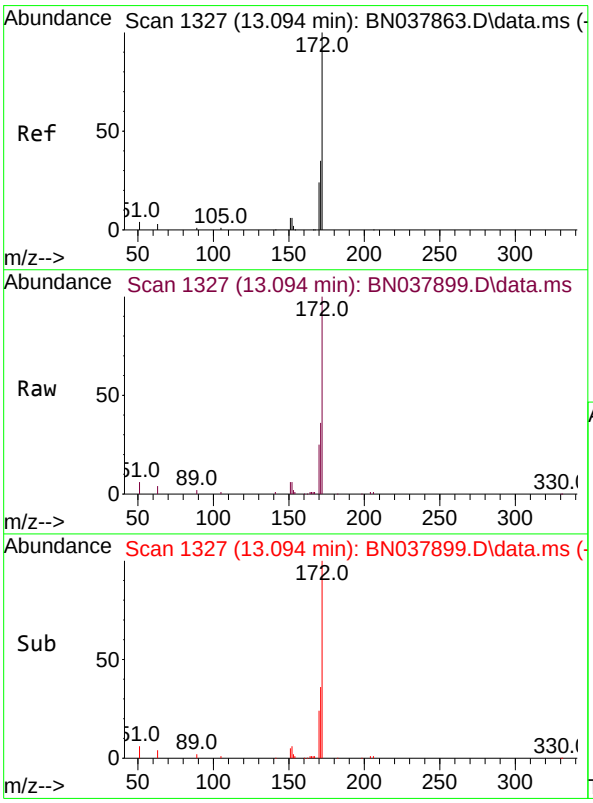
#14
2,4,6-Tribromophenol
Concen: 0.370 ng
RT: 15.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037899.D
Acq: 25 Sep 2025 21:18

Instrument :
BNA_N
ClientSampleId :
RE132D4-20250918

Tgt Ion:330 Resp: 1514

Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.2	115.8
141	42.5	37.2	55.8

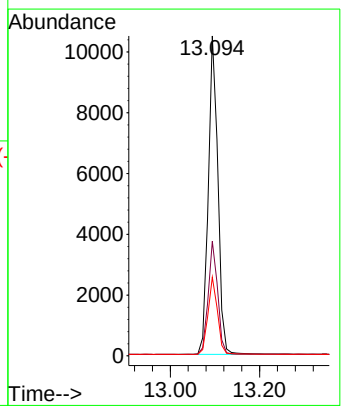


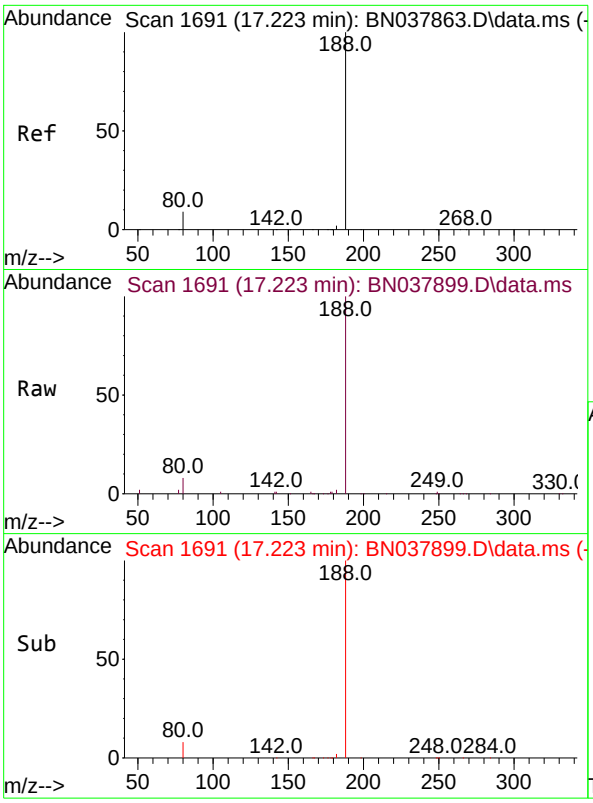


#15
2-Fluorobiphenyl
Concen: 0.356 ng
RT: 13.094 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BN037899.D
Acq: 25 Sep 2025 21:18

Tgt Ion:172 Resp: 15712

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.6	43.0
170	24.6	19.7	29.5



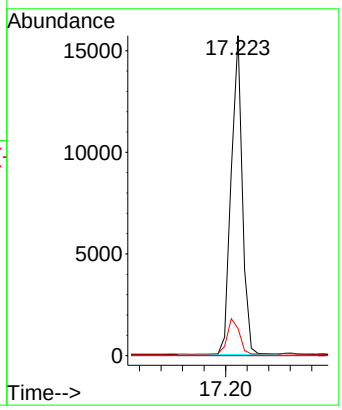


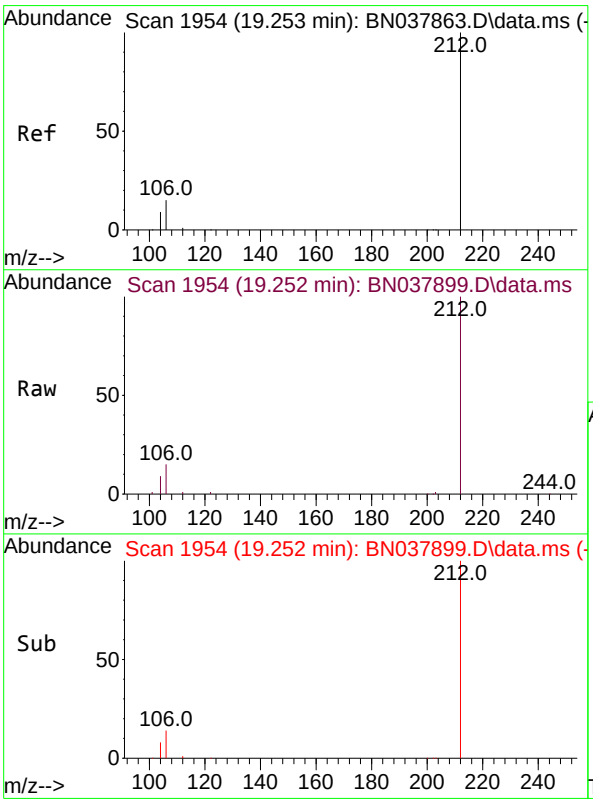
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.223 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037899.D
Acq: 25 Sep 2025 21:18

Instrument :
BNA_N
ClientSampleId :
RE132D4-20250918

Tgt Ion:188 Resp: 22576

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.5	7.6	11.4

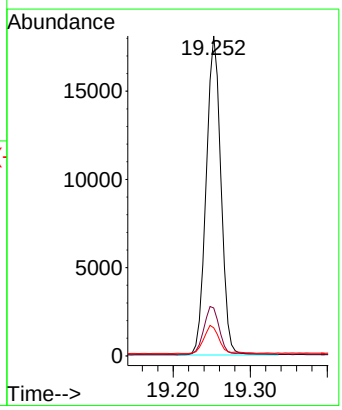


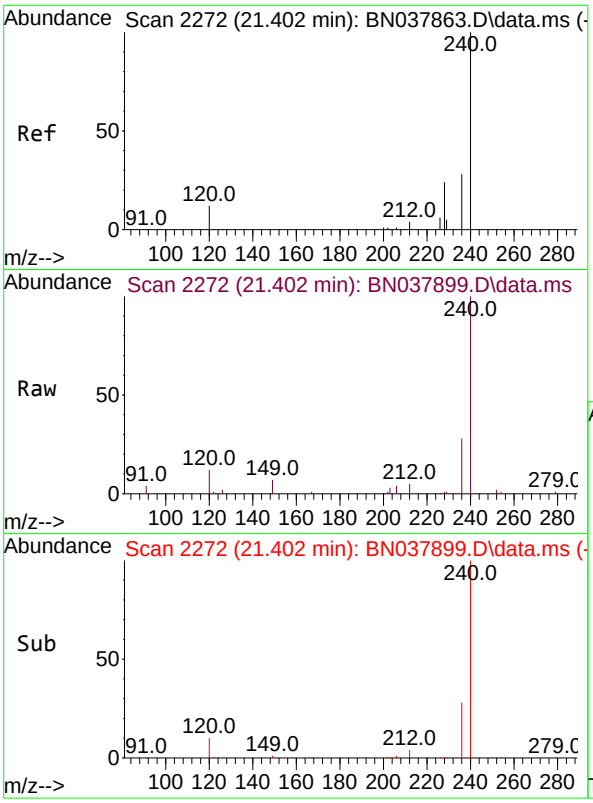


#27
Fluoranthene-d10
Concen: 0.422 ng
RT: 19.252 min Scan# 1954
Delta R.T. -0.000 min
Lab File: BN037899.D
Acq: 25 Sep 2025 21:18

Tgt Ion:212 Resp: 23974

Ion	Ratio	Lower	Upper
212	100		
106	15.9	12.6	19.0
104	9.2	7.4	11.0



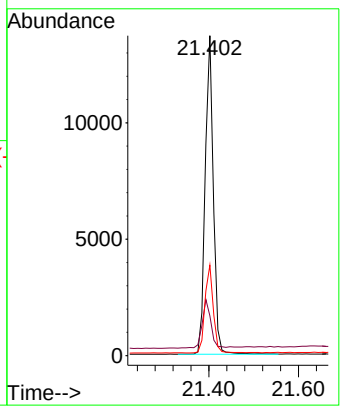


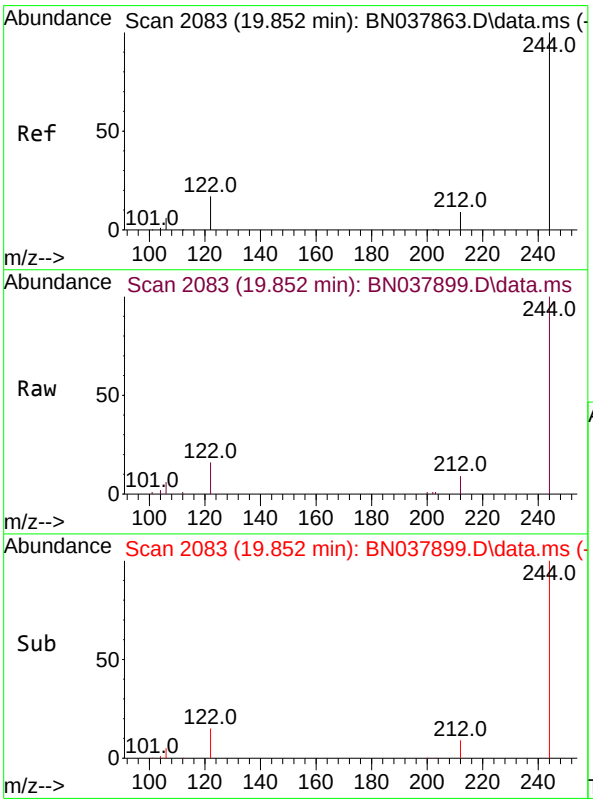
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.402 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037899.D
Acq: 25 Sep 2025 21:18

Instrument :
BNA_N
ClientSampleId :
RE132D4-20250918

Tgt Ion:240 Resp: 17392

Ion	Ratio	Lower	Upper
240	100		
120	12.4	11.4	17.2
236	28.3	23.0	34.6

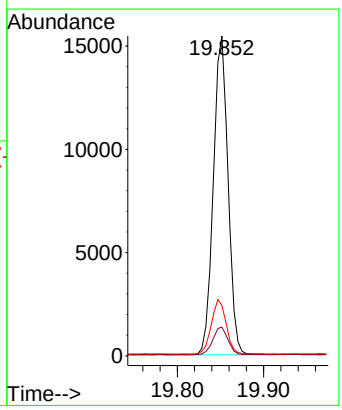


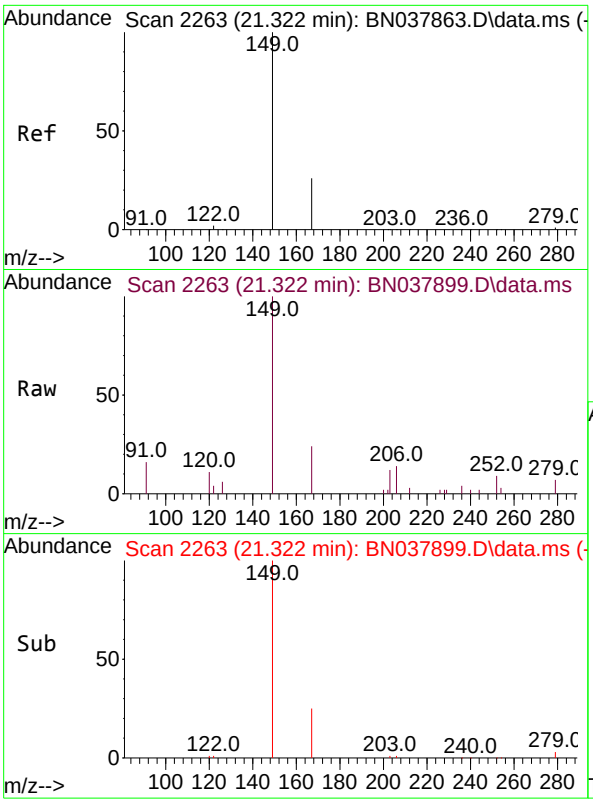


#31
Terphenyl-d14
Concen: 0.524 ng
RT: 19.852 min Scan# 2083
Delta R.T. -0.000 min
Lab File: BN037899.D
Acq: 25 Sep 2025 21:18

Tgt Ion:244 Resp: 18157

Ion	Ratio	Lower	Upper
244	100		
212	9.0	7.6	11.4
122	15.8	13.9	20.9



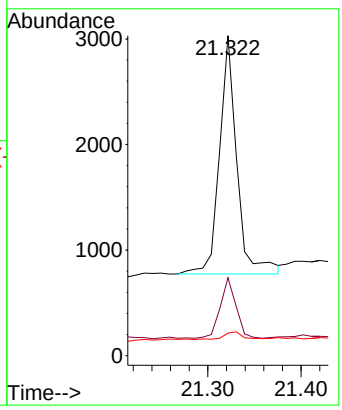


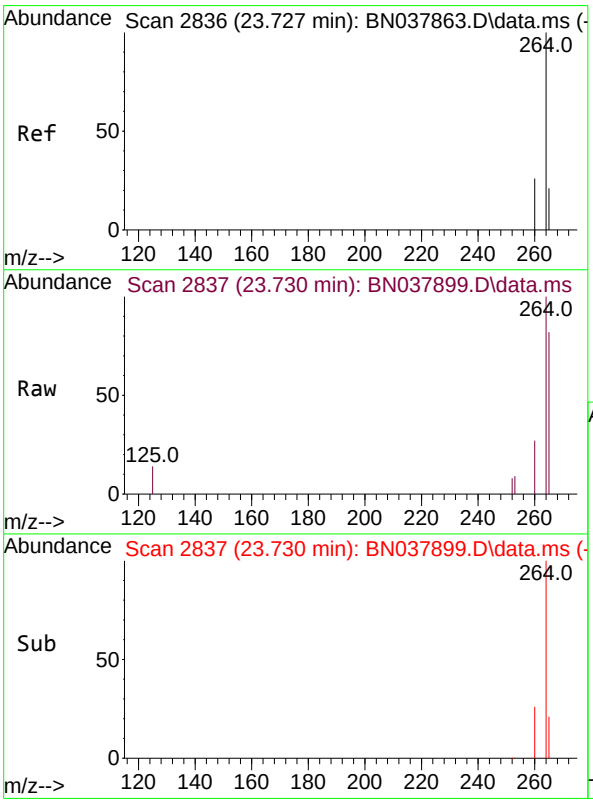
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.122 ng
RT: 21.322 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037899.D
Acq: 25 Sep 2025 21:18

Instrument :
BNA_N
ClientSampleId :
RE132D4-20250918

Tgt Ion:149 Resp: 2931

Ion	Ratio	Lower	Upper
149	100		
167	22.8	20.4	30.6
279	3.5	2.4	3.6

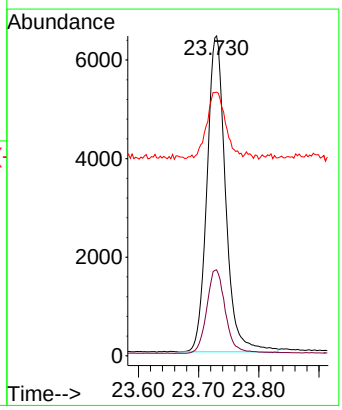




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.730 min Scan# 2837
Delta R.T. 0.003 min
Lab File: BN037899.D
Acq: 25 Sep 2025 21:18

Tgt Ion:264 Resp: 13747

Ion	Ratio	Lower	Upper
264	100		
260	26.9	21.5	32.3
265	82.4	53.8	80.6#



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:	09/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/19/25
Client Sample ID:	RE132D4-20250918DL	SDG No.:	Q3156
Lab Sample ID:	Q3156-06DL	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
BN037945.D	2	09/23/25 09:15	09/30/25 13:29	PB169794

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	4.80	D	0.13	0.40	0.40	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.32		30 - 150		80%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.42		30 - 150		104%	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		88%	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	8140	7.811				
1146-65-2	Naphthalene-d8	24300	10.616				
15067-26-2	Acenaphthene-d10	12300	14.462				
1517-22-2	Phenanthrene-d10	25700	17.211				
1719-03-5	Chrysene-d12	21800	21.402				
1520-96-3	Perylene-d12	20200	23.727				

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\BN093025\
Data File : BN037945.D
Acq On : 30 Sep 2025 13:29
Operator : RC/JU
Sample : Q3156-06DL 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE132D4-20250918DL

Quant Time: Sep 30 13:54:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration

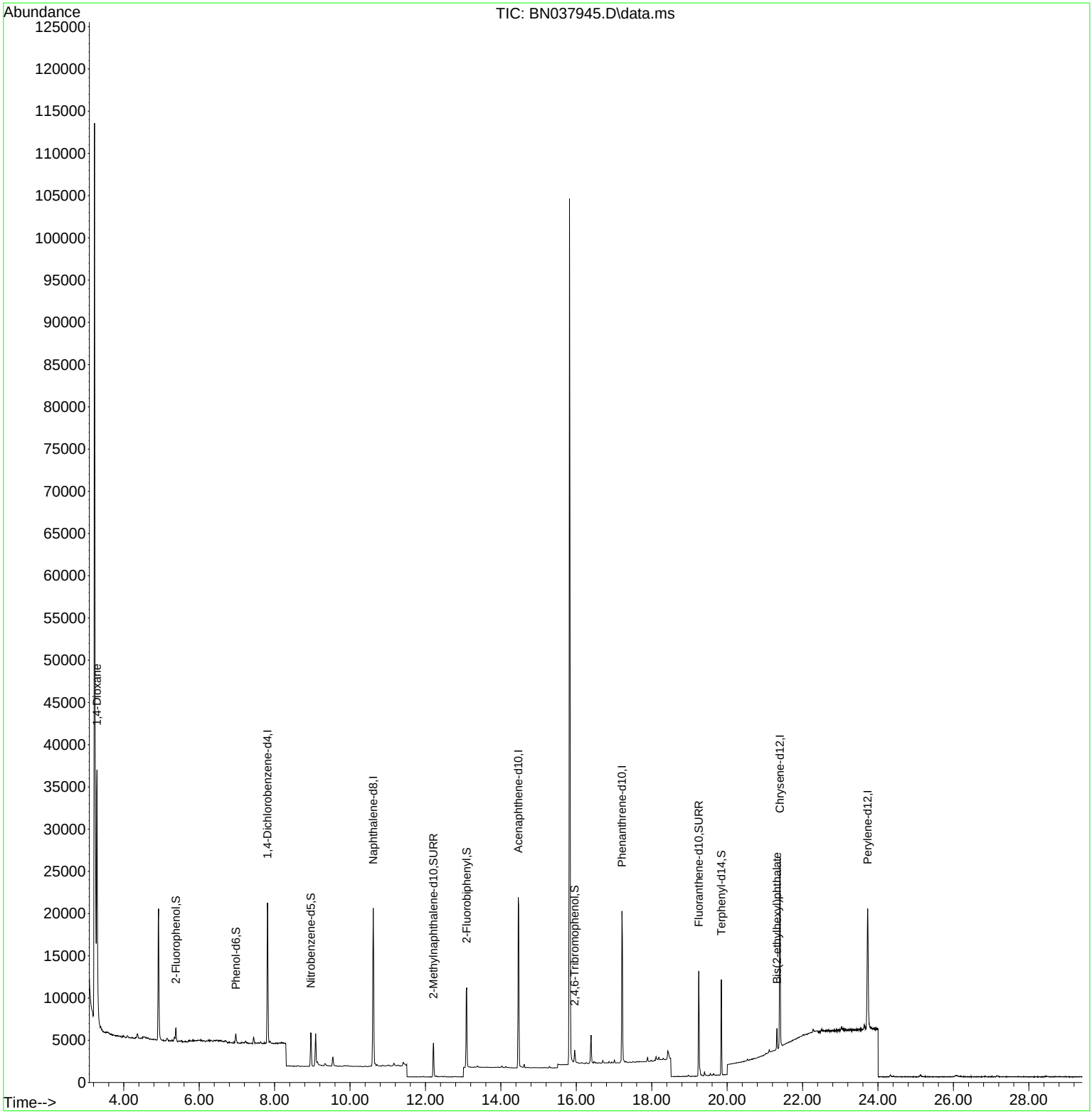
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.811	152	8143	0.400	ng	-0.01
7) Naphthalene-d8	10.616	136	24296	0.400	ng	-0.01
13) Acenaphthene-d10	14.462	164	12338	0.400	ng	-0.01
19) Phenanthrene-d10	17.211	188	25715	0.400	ng	#-0.01
29) Chrysene-d12	21.402	240	21779	0.400	ng	# 0.00
35) Perylene-d12	23.727	264	20219	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.384	112	1365	0.073	ng	0.00
5) Phenol-d6	6.973	99	1029	0.042	ng	0.00
8) Nitrobenzene-d5	8.961	82	3107	0.168	ng	-0.01
11) 2-Methylnaphthalene-d10	12.212	152	5394	0.160	ng	0.00
14) 2,4,6-Tribromophenol	15.957	330	863	0.184	ng	-0.01
15) 2-Fluorobiphenyl	13.094	172	8960	0.177	ng	0.00
27) Fluoranthene-d10	19.248	212	13548	0.209	ng	0.00
31) Terphenyl-d14	19.847	244	10419	0.240	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.290	88	19763	2.391	ng	98
34) Bis(2-ethylhexyl)phtha...	21.322	149	2404	0.080	ng	# 97

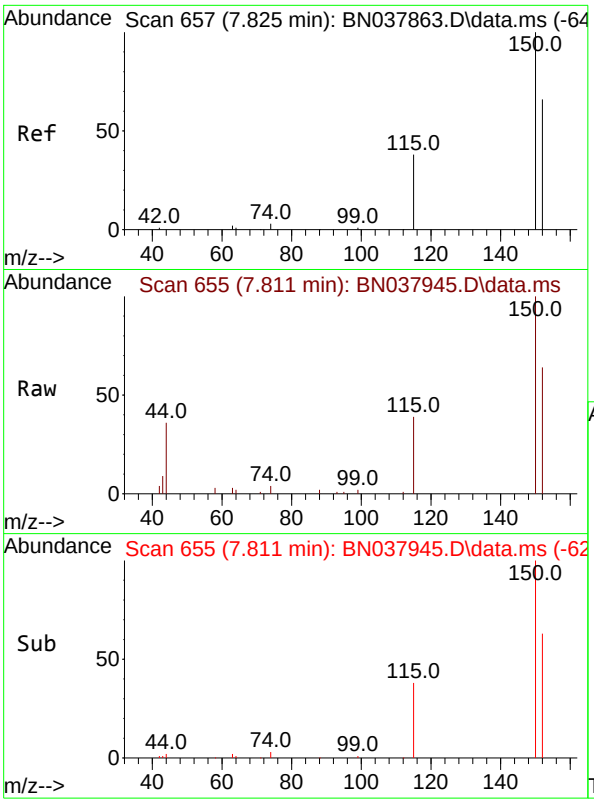
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN093025\
Data File : BN037945.D
Acq On : 30 Sep 2025 13:29
Operator : RC/JU
Sample : Q3156-06DL 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE132D4-20250918DL

Quant Time: Sep 30 13:54:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration



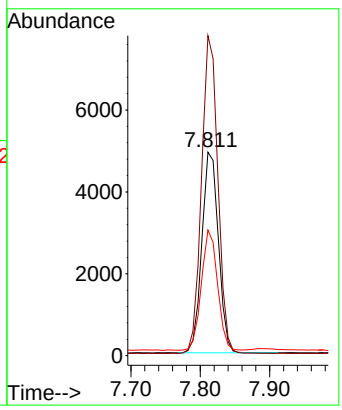


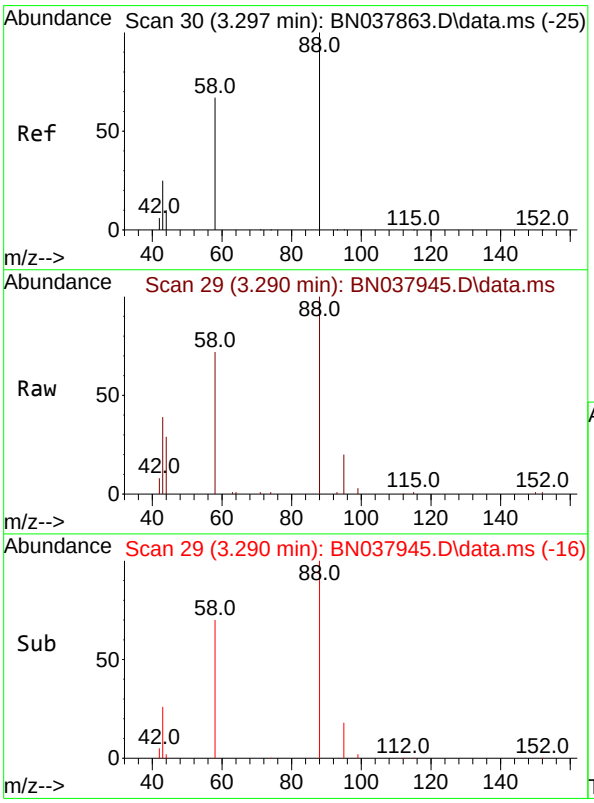
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.811 min Scan# 6
Delta R.T. -0.014 min
Lab File: BN037945.D
Acq: 30 Sep 2025 13:29

Instrument :
BNA_N
ClientSampleId :
RE132D4-20250918DL

Tgt Ion:152 Resp: 8143

Ion	Ratio	Lower	Upper
152	100		
150	157.2	121.0	181.4
115	61.7	47.4	71.0

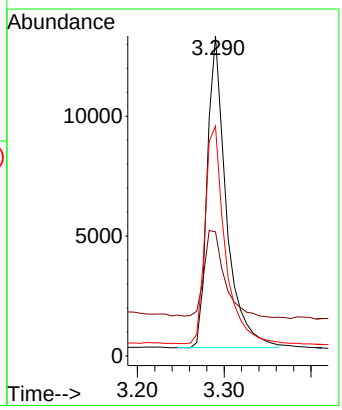


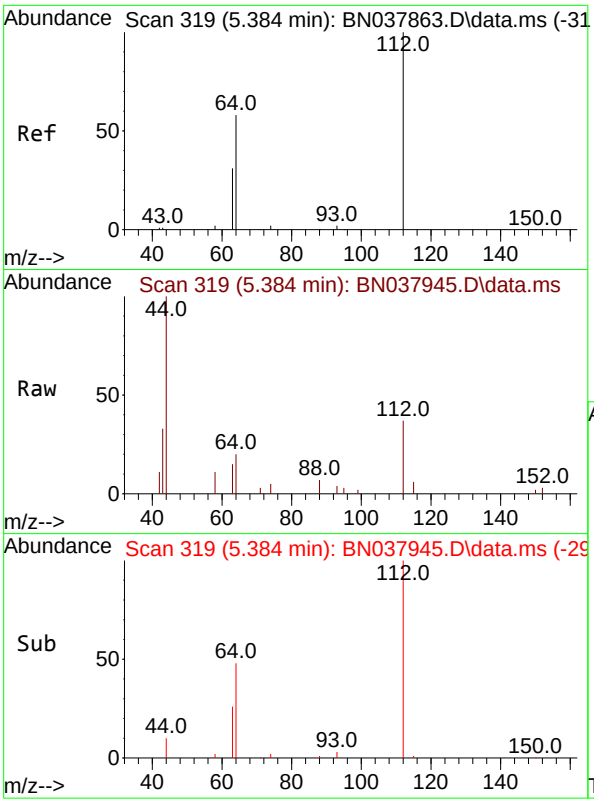


#2
1,4-Dioxane
Concen: 2.391 ng
RT: 3.290 min Scan# 29
Delta R.T. -0.007 min
Lab File: BN037945.D
Acq: 30 Sep 2025 13:29

Tgt Ion: 88 Resp: 19763

Ion	Ratio	Lower	Upper
88	100		
43	30.2	26.6	39.8
58	73.2	58.9	88.3



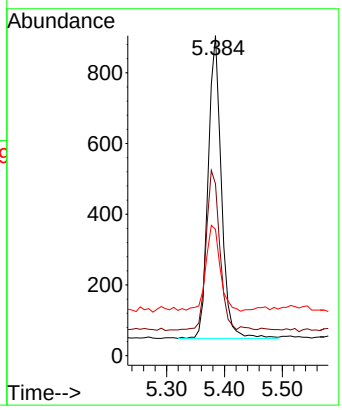


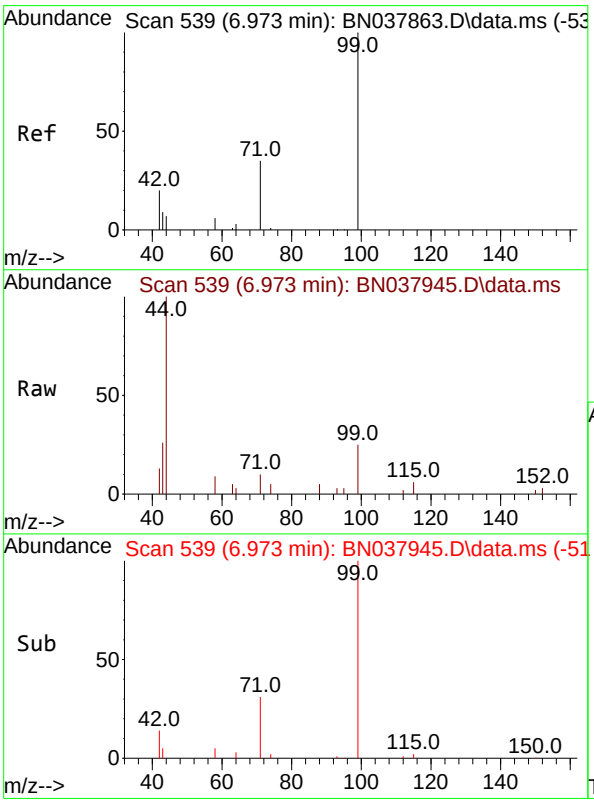
#4
2-Fluorophenol
Concen: 0.073 ng
RT: 5.384 min Scan# 31
Delta R.T. 0.000 min
Lab File: BN037945.D
Acq: 30 Sep 2025 13:29

Instrument :
BNA_N
ClientSampleId :
RE132D4-20250918DL

Tgt Ion:112 Resp: 1365

Ion	Ratio	Lower	Upper
112	100		
64	53.5	44.6	66.8
63	30.5	24.9	37.3

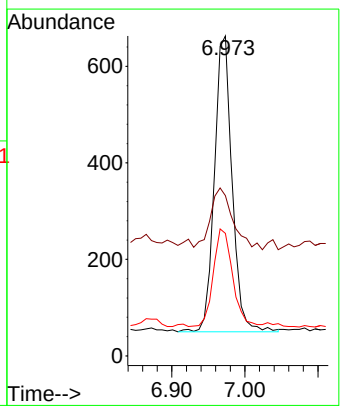


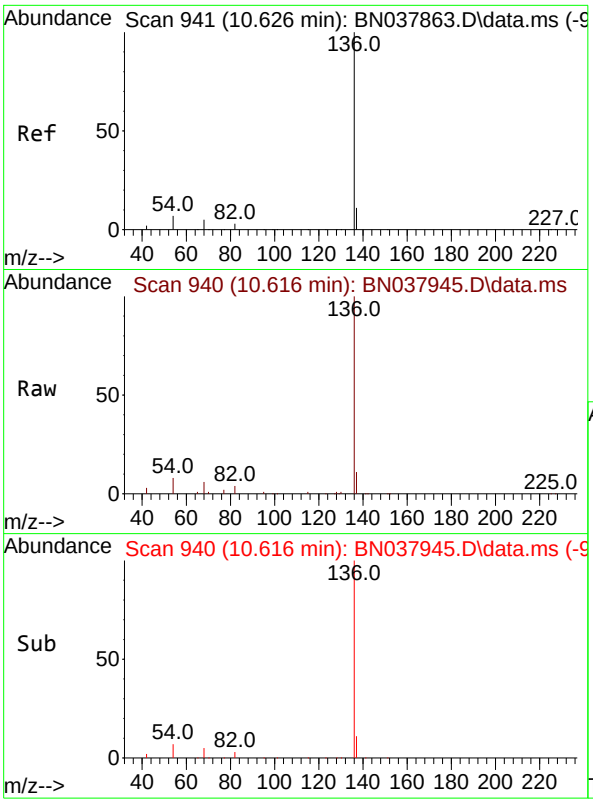


#5
Phenol-d6
Concen: 0.042 ng
RT: 6.973 min Scan# 539
Delta R.T. 0.000 min
Lab File: BN037945.D
Acq: 30 Sep 2025 13:29

Tgt Ion: 99 Resp: 1029

Ion	Ratio	Lower	Upper
99	100		
42	26.8	17.2	25.8#
71	36.0	27.3	40.9



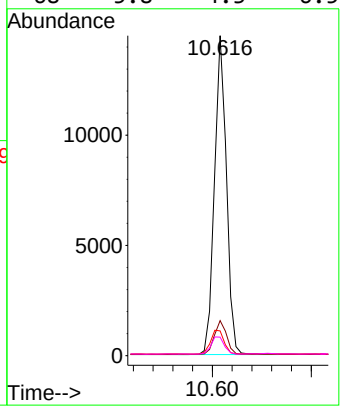


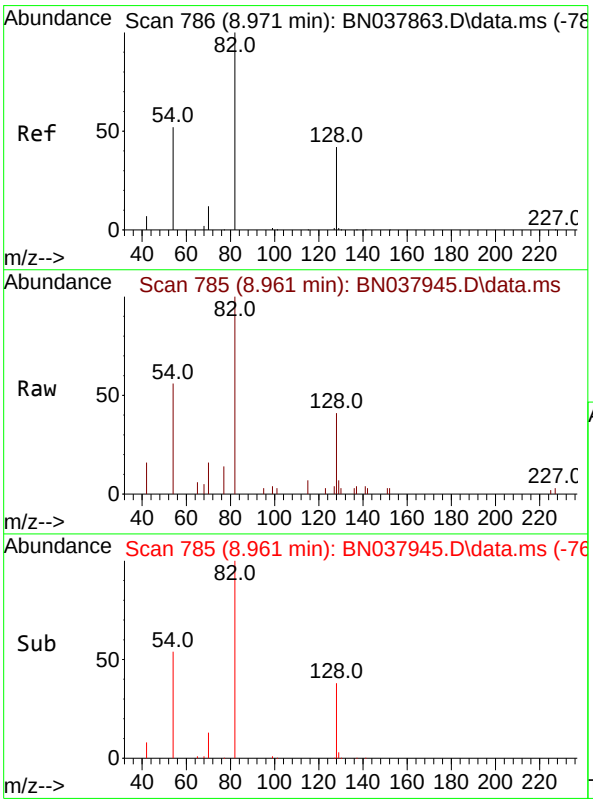
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.616 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037945.D
Acq: 30 Sep 2025 13:29

Instrument :
BNA_N
ClientSampleId :
RE132D4-20250918DL

Tgt Ion:136 Resp: 24296

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	7.7	5.8	8.8
68	5.8	4.3	6.5

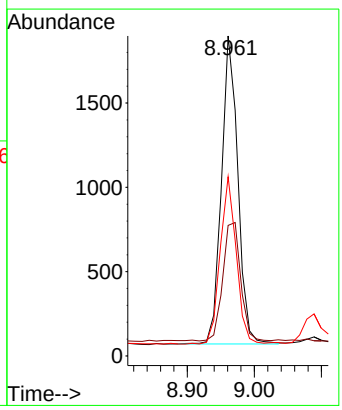


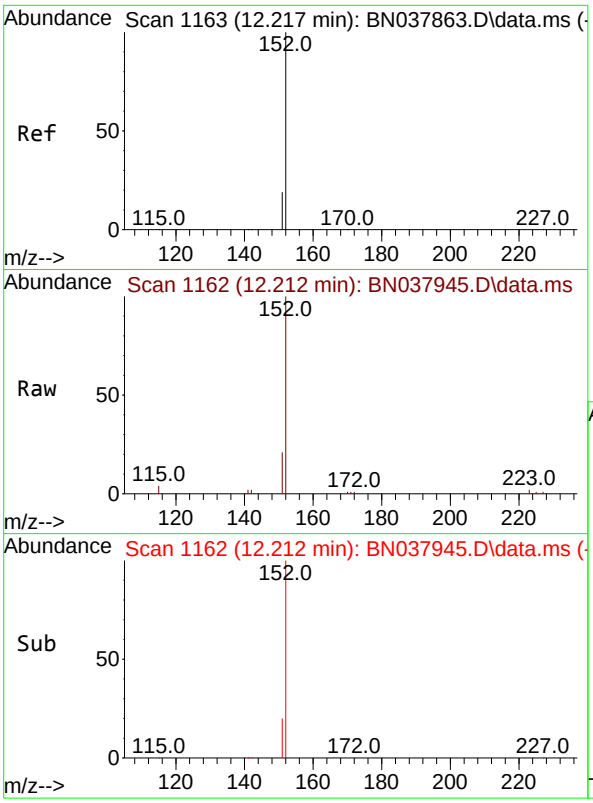


#8
Nitrobenzene-d5
Concen: 0.168 ng
RT: 8.961 min Scan# 785
Delta R.T. -0.011 min
Lab File: BN037945.D
Acq: 30 Sep 2025 13:29

Tgt Ion: 82 Resp: 3107

Ion	Ratio	Lower	Upper
82	100		
128	40.8	34.8	52.2
54	56.0	42.2	63.2



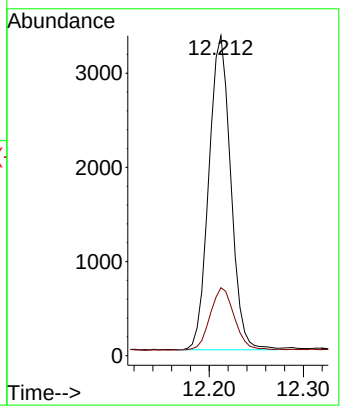


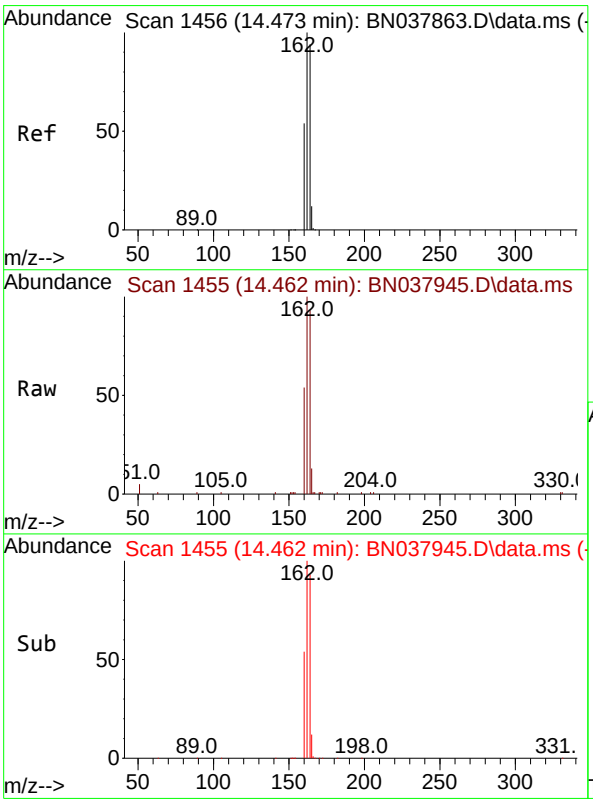
#11
2-Methylnaphthalene-d10
Concen: 0.160 ng
RT: 12.212 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN037945.D
Acq: 30 Sep 2025 13:29

Instrument :
BNA_N
ClientSampleId :
RE132D4-20250918DL

Tgt Ion:152 Resp: 5394

Ion	Ratio	Lower	Upper
152	100		
151	22.1	17.4	26.2

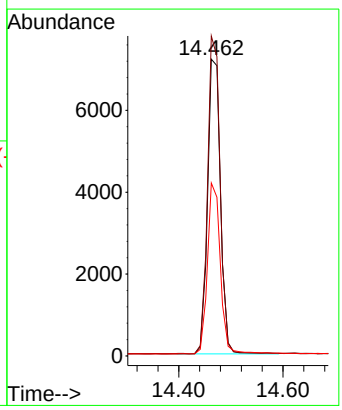


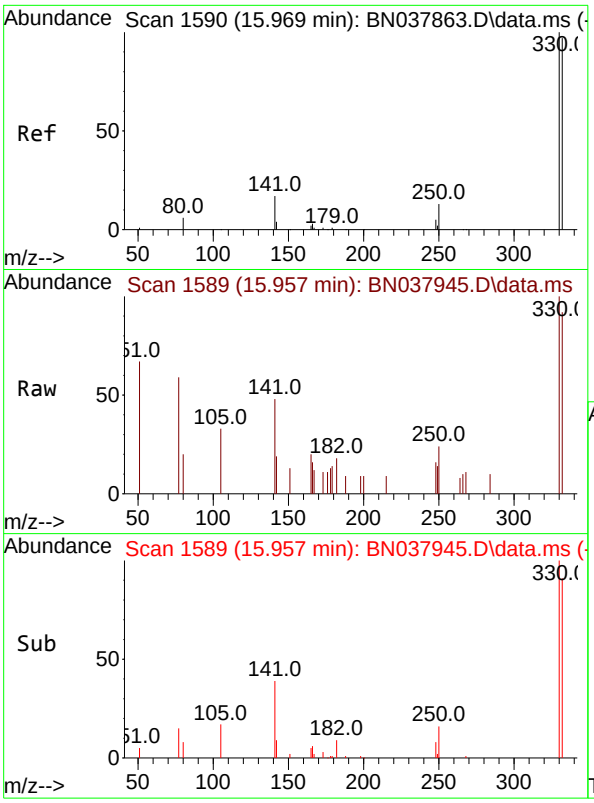


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.462 min Scan# 1455
Delta R.T. -0.011 min
Lab File: BN037945.D
Acq: 30 Sep 2025 13:29

Tgt Ion:164 Resp: 12338

Ion	Ratio	Lower	Upper
164	100		
162	107.8	84.8	127.2
160	58.3	46.1	69.1



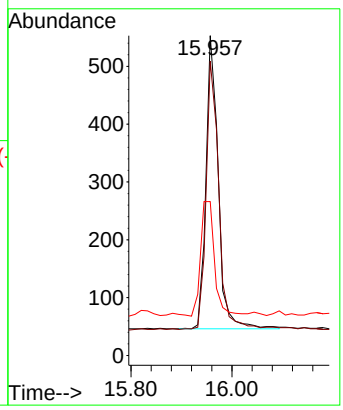


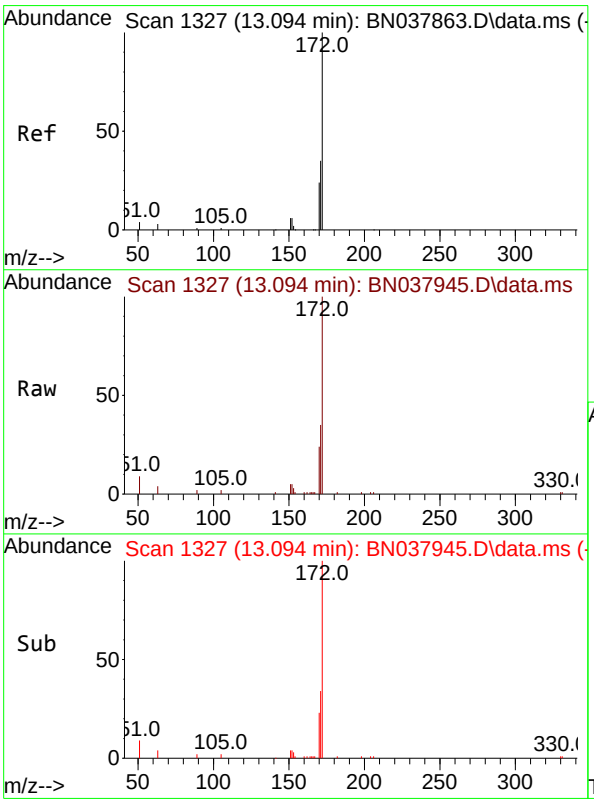
#14
2,4,6-Tribromophenol
Concen: 0.184 ng
RT: 15.957 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037945.D
Acq: 30 Sep 2025 13:29

Instrument :
BNA_N
ClientSampleId :
RE132D4-20250918DL

Tgt Ion:330 Resp: 863

Ion	Ratio	Lower	Upper
330	100		
332	94.6	77.2	115.8
141	43.1	37.2	55.8

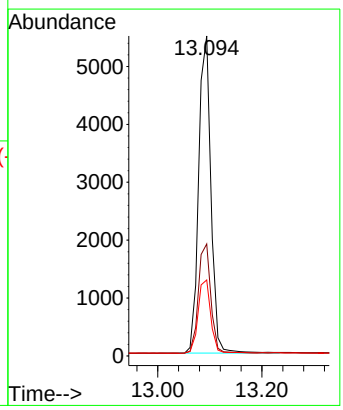


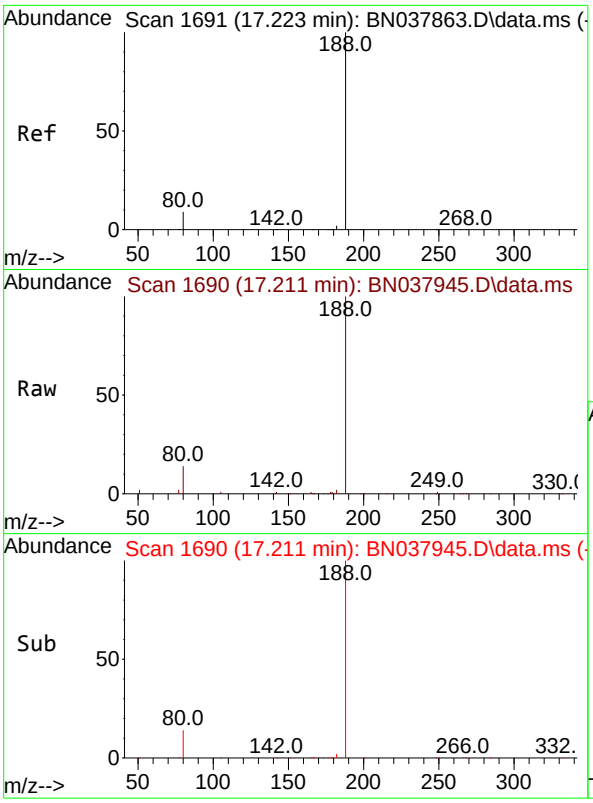


#15
2-Fluorobiphenyl
Concen: 0.177 ng
RT: 13.094 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BN037945.D
Acq: 30 Sep 2025 13:29

Tgt Ion:172 Resp: 8960

Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.6	43.0
170	23.7	19.7	29.5



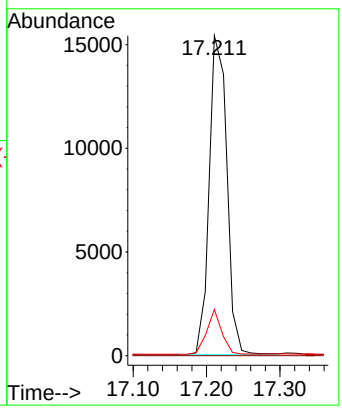


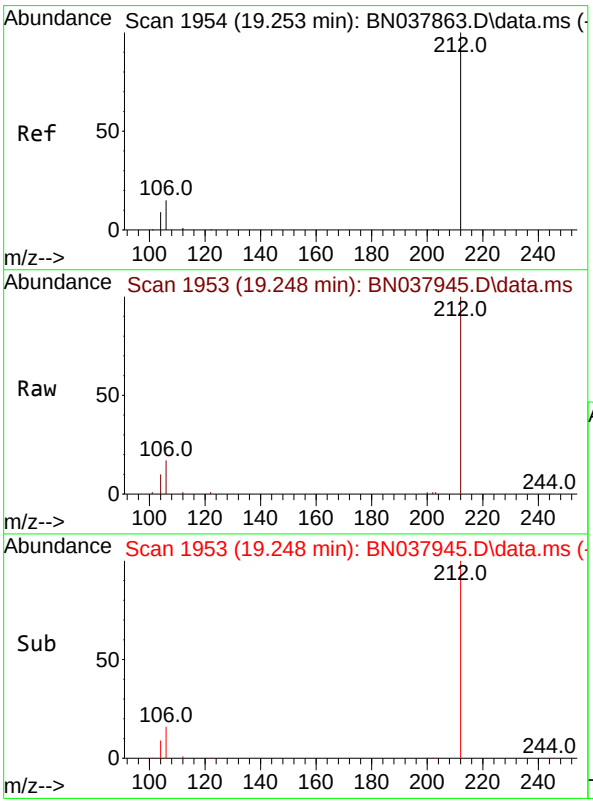
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.211 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037945.D
Acq: 30 Sep 2025 13:29

Instrument :
BNA_N
ClientSampleId :
RE132D4-20250918DL

Tgt Ion:188 Resp: 25715

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	14.5	7.6	11.4#

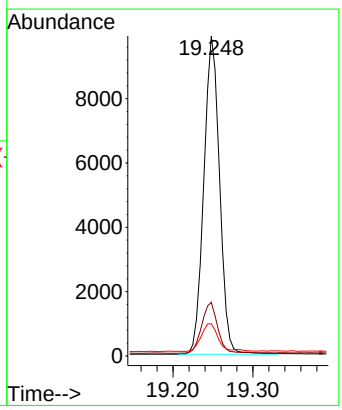


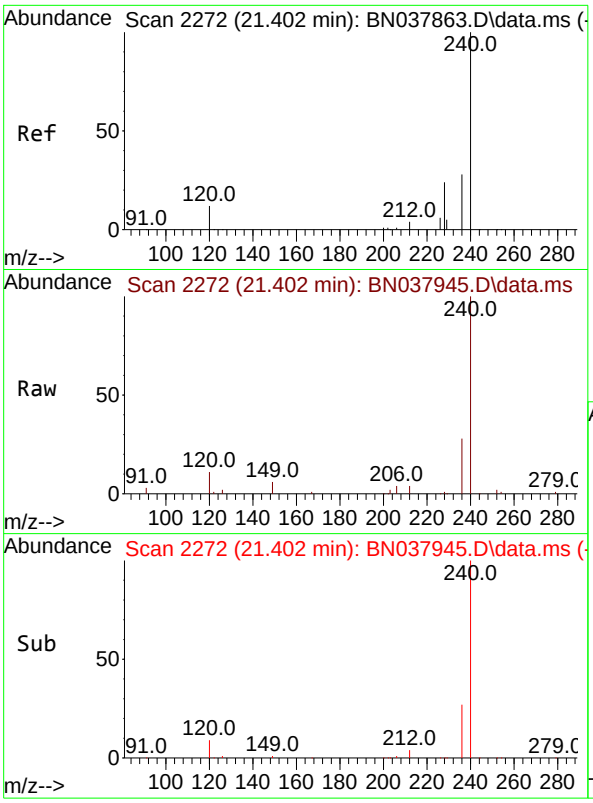


#27
Fluoranthene-d10
Concen: 0.209 ng
RT: 19.248 min Scan# 1953
Delta R.T. -0.005 min
Lab File: BN037945.D
Acq: 30 Sep 2025 13:29

Tgt Ion:212 Resp: 13548

Ion	Ratio	Lower	Upper
212	100		
106	16.3	12.6	19.0
104	9.2	7.4	11.0



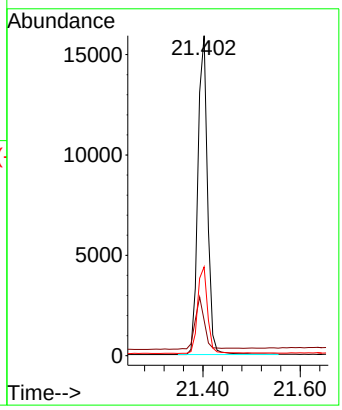


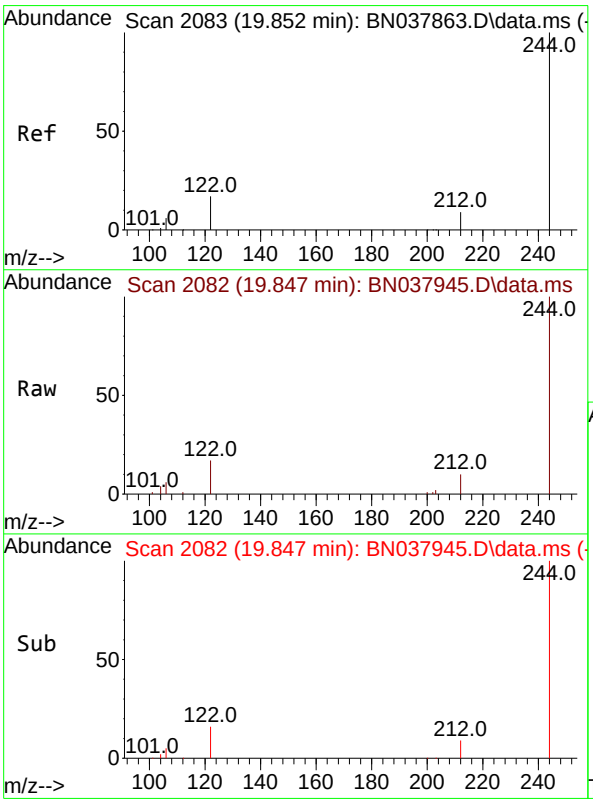
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.402 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037945.D
Acq: 30 Sep 2025 13:29

Instrument :
BNA_N
ClientSampleId :
RE132D4-20250918DL

Tgt Ion:240 Resp: 21779

Ion	Ratio	Lower	Upper
240	100		
120	11.1	11.4	17.2#
236	27.8	23.0	34.6

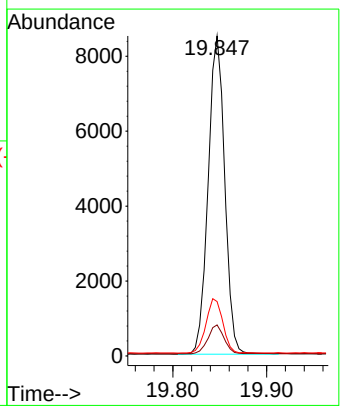


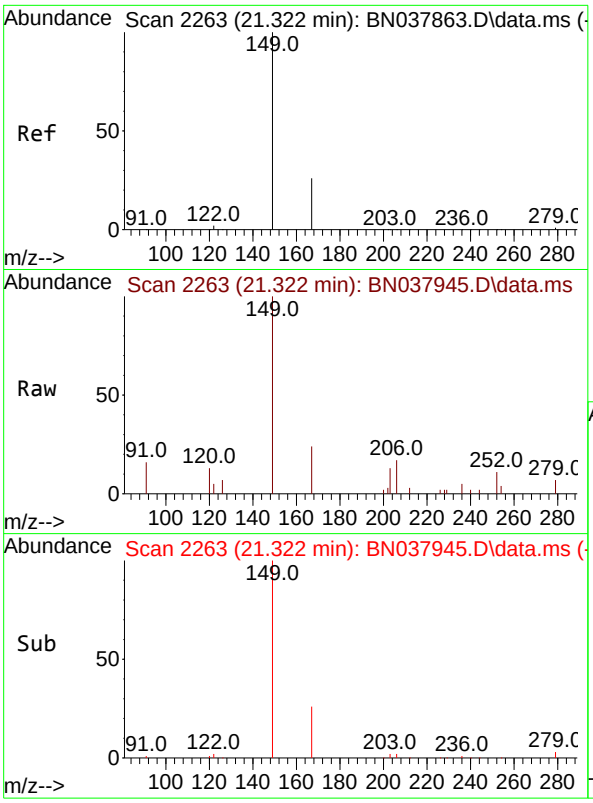


#31
Terphenyl-d14
Concen: 0.240 ng
RT: 19.847 min Scan# 2082
Delta R.T. -0.005 min
Lab File: BN037945.D
Acq: 30 Sep 2025 13:29

Tgt Ion:244 Resp: 10419

Ion	Ratio	Lower	Upper
244	100		
212	9.7	7.6	11.4
122	17.0	13.9	20.9



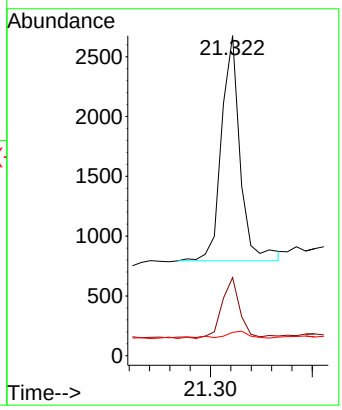


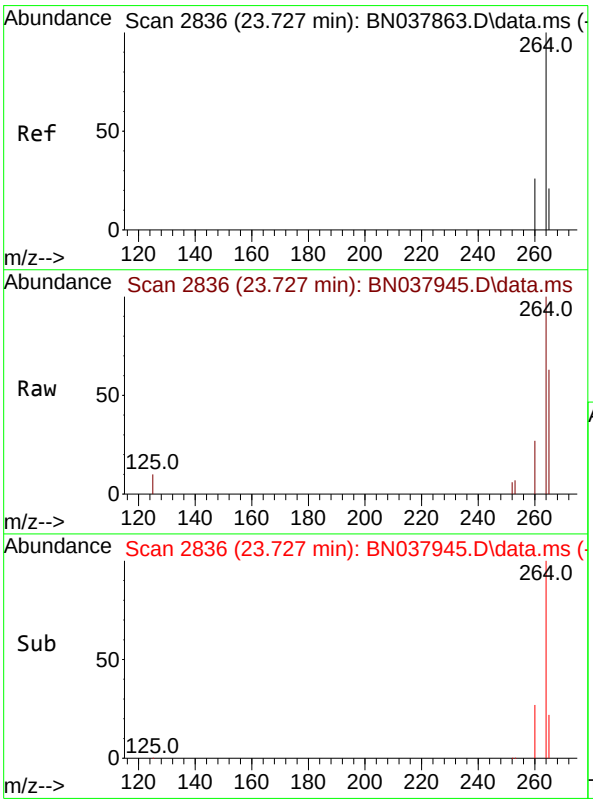
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.080 ng
RT: 21.322 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037945.D
Acq: 30 Sep 2025 13:29

Instrument :
BNA_N
ClientSampleId :
RE132D4-20250918DL

Tgt Ion:149 Resp: 2404

Ion	Ratio	Lower	Upper
149	100		
167	24.1	20.4	30.6
279	4.5	2.4	3.6#

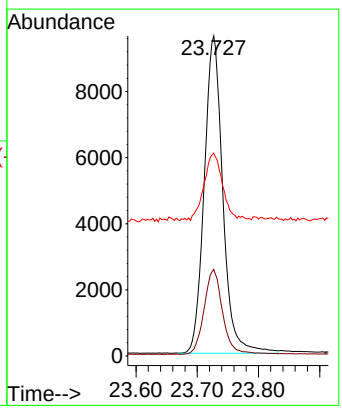




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.727 min Scan# 2836
Delta R.T. 0.000 min
Lab File: BN037945.D
Acq: 30 Sep 2025 13:29

Tgt Ion:264 Resp: 20219

Ion	Ratio	Lower	Upper
264	100		
260	27.1	21.5	32.3
265	63.4	53.8	80.6



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:	09/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/19/25
Client Sample ID:	TT189D2-20250918	SDG No.:	Q3156
Lab Sample ID:	Q3156-07	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
BN037900.D	1	09/23/25 09:15	09/25/25 21:54	PB169794

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	6.20	E	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.31		30 - 150		78%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.43		30 - 150		108%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.34		55 - 111		86%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.33		53 - 106		83%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.52		58 - 132		130%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6740	7.818				
1146-65-2	Naphthalene-d8	19000	10.626				
15067-26-2	Acenaphthene-d10	10100	14.473				
1517-22-2	Phenanthrene-d10	21000	17.223				
1719-03-5	Chrysene-d12	17600	21.402				
1520-96-3	Perylene-d12	16200	23.727				

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\BN092525\
Data File : BN037900.D
Acq On : 25 Sep 2025 21:54
Operator : RC/JU
Sample : Q3156-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
TT189D2-20250918

Quant Time: Sep 25 23:51:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration

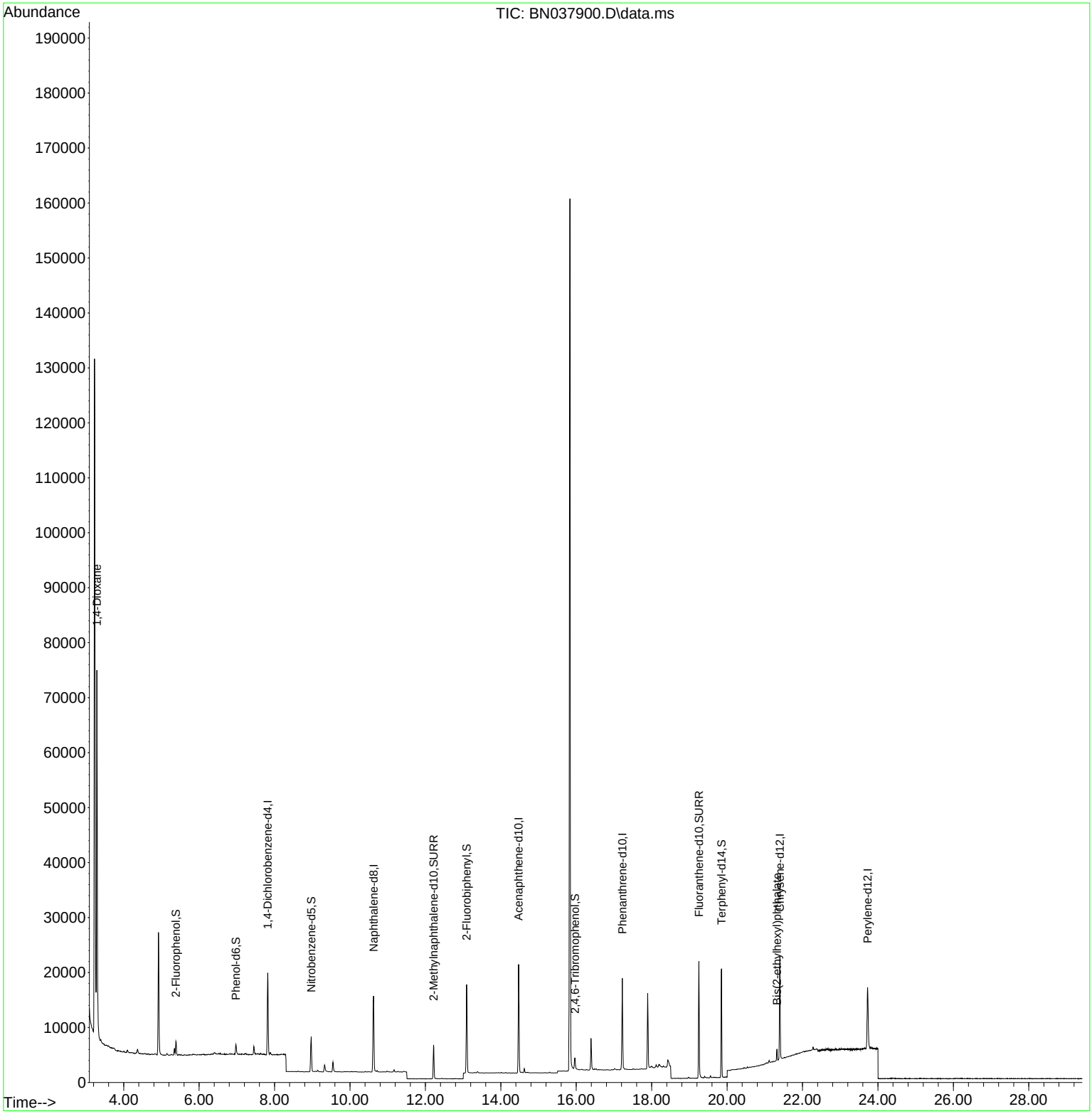
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.818	152	6739	0.400	ng		0.00
7) Naphthalene-d8	10.626	136	19035	0.400	ng		0.00
13) Acenaphthene-d10	14.473	164	10075	0.400	ng		0.00
19) Phenanthrene-d10	17.223	188	21000	0.400	ng		0.00
29) Chrysene-d12	21.402	240	17568	0.400	ng		0.00
35) Perylene-d12	23.727	264	16173	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.384	112	2050	0.133	ng		0.00
5) Phenol-d6	6.973	99	1665	0.082	ng		0.00
8) Nitrobenzene-d5	8.971	82	5001	0.344	ng		0.00
11) 2-Methylnaphthalene-d10	12.217	152	8269	0.313	ng		0.00
14) 2,4,6-Tribromophenol	15.969	330	1361	0.356	ng		0.00
15) 2-Fluorobiphenyl	13.094	172	13622	0.330	ng		0.00
27) Fluoranthene-d10	19.253	212	22716	0.430	ng		0.00
31) Terphenyl-d14	19.852	244	18165	0.519	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.290	88	42342	6.189	ng		98
34) Bis(2-ethylhexyl)phtha...	21.322	149	2137	0.088	ng	#	99

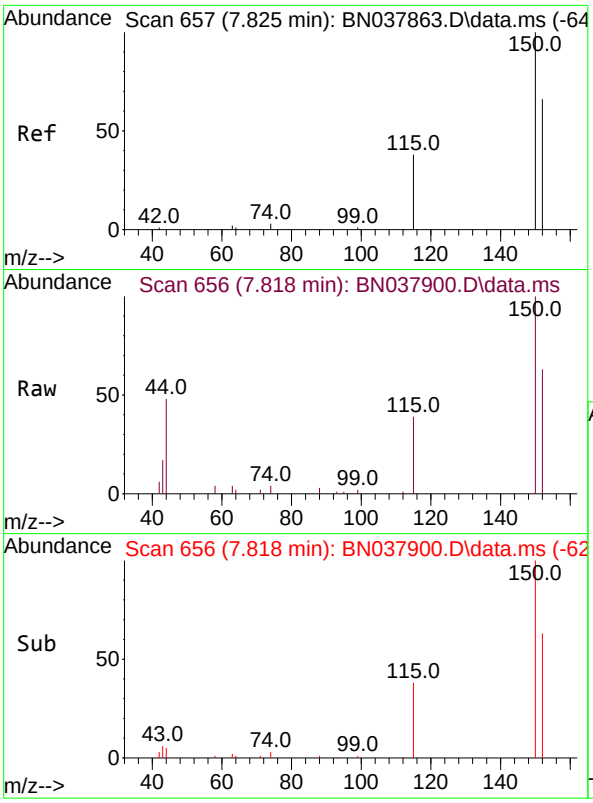
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092525\
Data File : BN037900.D
Acq On : 25 Sep 2025 21:54
Operator : RC/JU
Sample : Q3156-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
TT189D2-20250918

Quant Time: Sep 25 23:51:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration



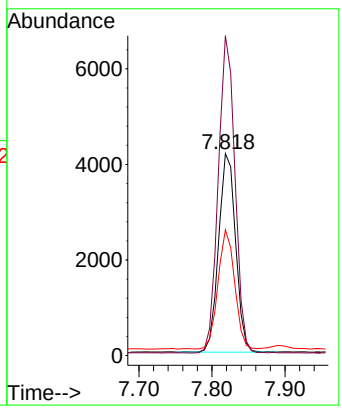


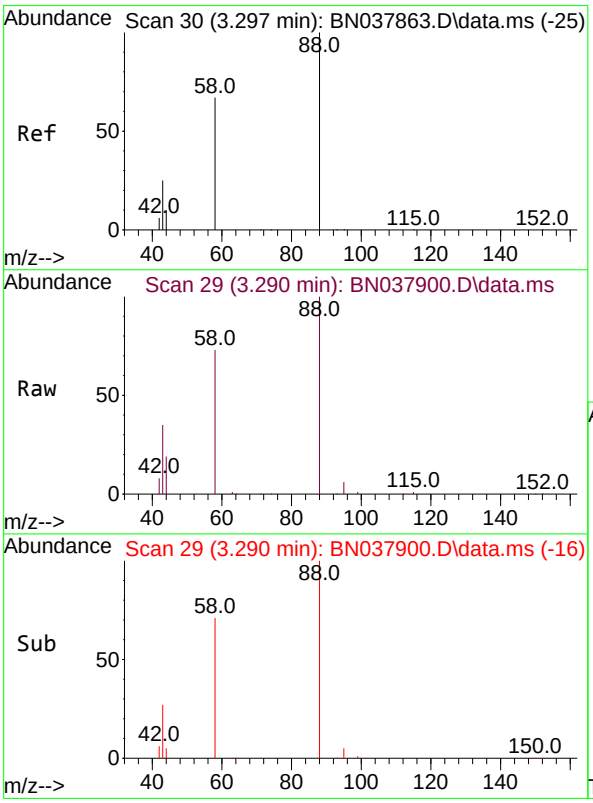
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.818 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN037900.D
Acq: 25 Sep 2025 21:54

Instrument :
BNA_N
ClientSampleId :
TT189D2-20250918

Tgt Ion:152 Resp: 6739

Ion	Ratio	Lower	Upper
152	100		
150	158.4	121.0	181.4
115	62.3	47.4	71.0

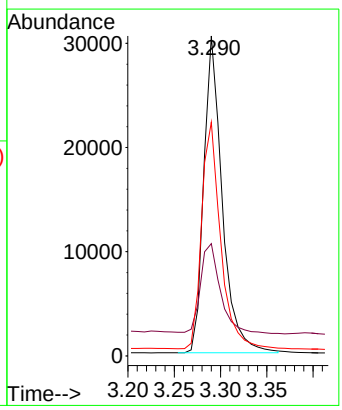


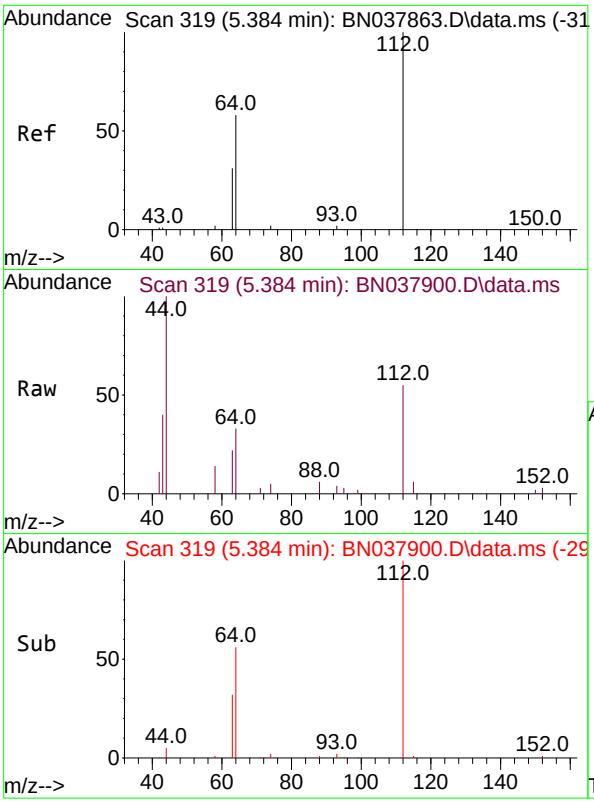


#2
1,4-Dioxane
Concen: 6.189 ng
RT: 3.290 min Scan# 29
Delta R.T. -0.007 min
Lab File: BN037900.D
Acq: 25 Sep 2025 21:54

Tgt Ion: 88 Resp: 42342

Ion	Ratio	Lower	Upper
88	100		
43	30.4	26.6	39.8
58	73.6	58.9	88.3



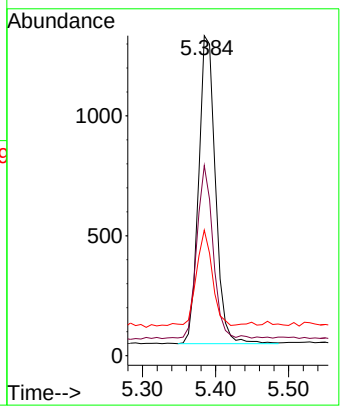


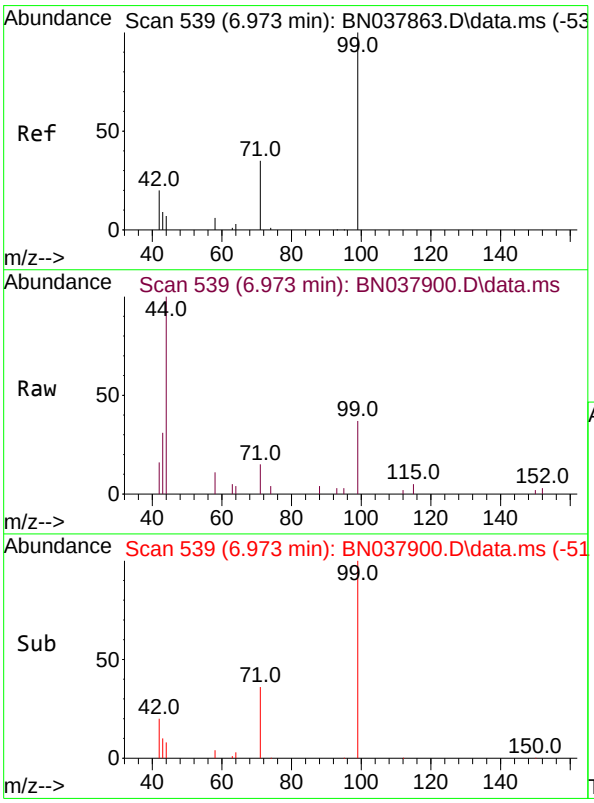
#4
2-Fluorophenol
Concen: 0.133 ng
RT: 5.384 min Scan# 31
Delta R.T. -0.000 min
Lab File: BN037900.D
Acq: 25 Sep 2025 21:54

Instrument :
BNA_N
ClientSampleId :
TT189D2-20250918

Tgt Ion:112 Resp: 2050

Ion	Ratio	Lower	Upper
112	100		
64	54.5	44.6	66.8
63	31.8	24.9	37.3

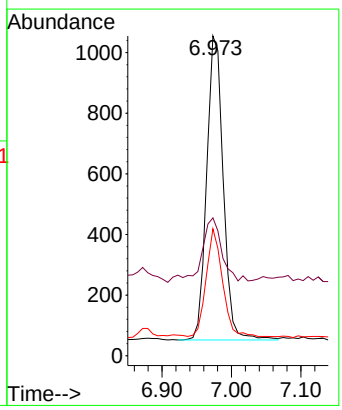


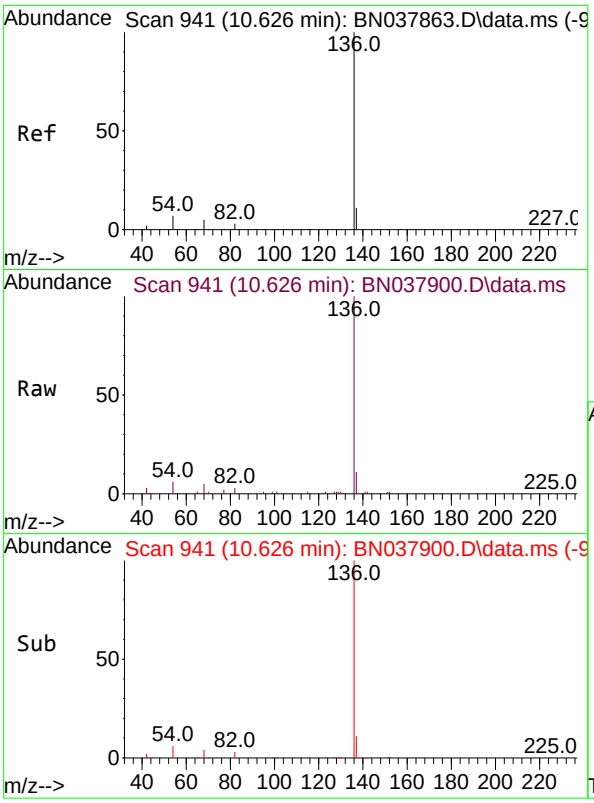


#5
Phenol-d6
Concen: 0.082 ng
RT: 6.973 min Scan# 539
Delta R.T. -0.000 min
Lab File: BN037900.D
Acq: 25 Sep 2025 21:54

Tgt Ion: 99 Resp: 1665

Ion	Ratio	Lower	Upper
99	100		
42	24.2	17.2	25.8
71	35.2	27.3	40.9



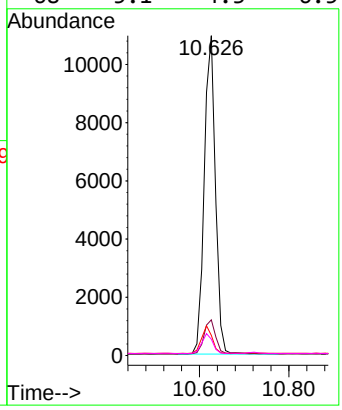


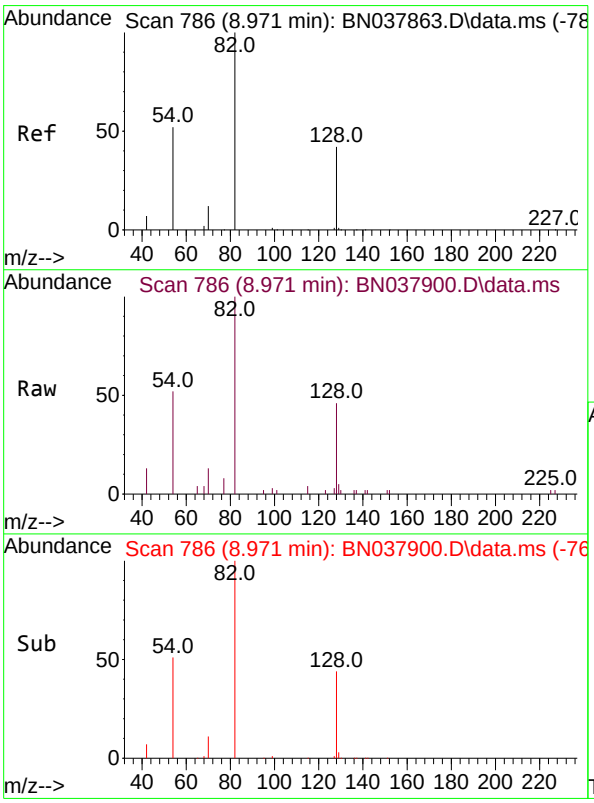
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.626 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN037900.D
Acq: 25 Sep 2025 21:54

Instrument :
BNA_N
ClientSampleId :
TT189D2-20250918

Tgt Ion:136 Resp: 19035

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	6.3	5.8	8.8
68	5.1	4.3	6.5

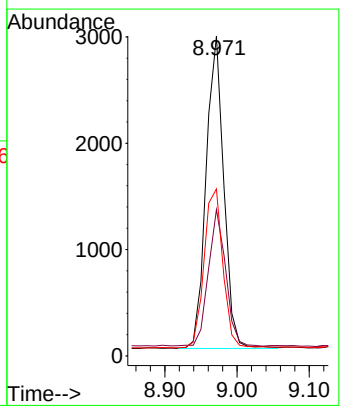


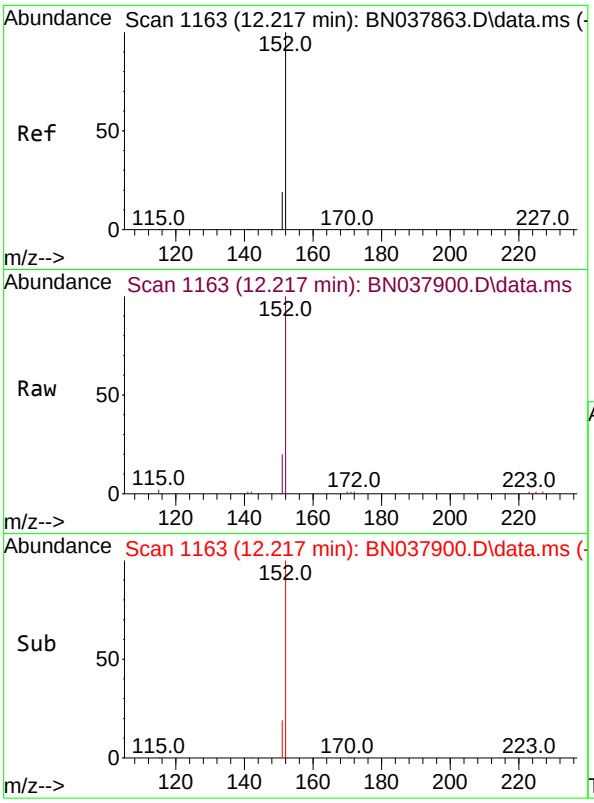


#8
Nitrobenzene-d5
Concen: 0.344 ng
RT: 8.971 min Scan# 786
Delta R.T. -0.000 min
Lab File: BN037900.D
Acq: 25 Sep 2025 21:54

Tgt Ion: 82 Resp: 5001

Ion	Ratio	Lower	Upper
82	100		
128	45.7	34.8	52.2
54	52.2	42.2	63.2



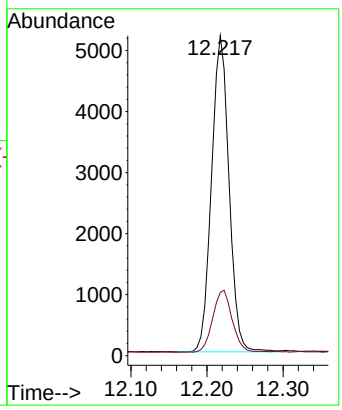


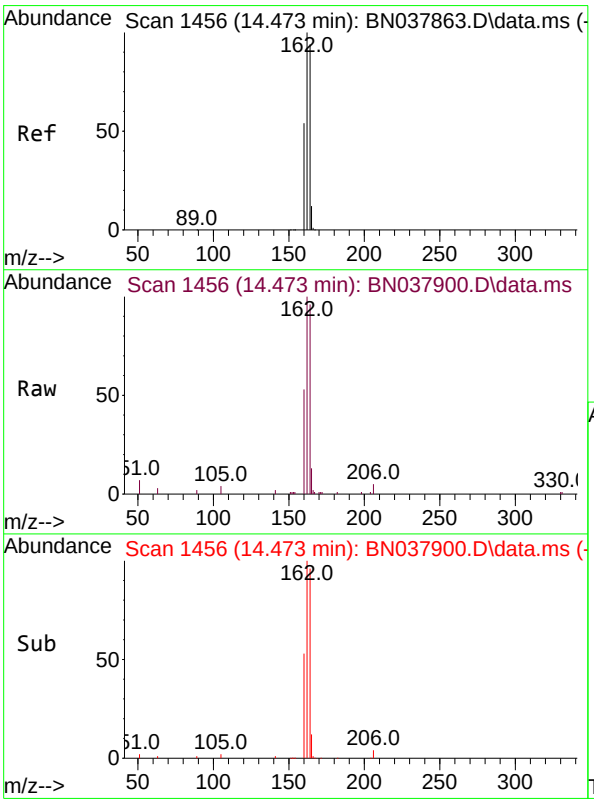
#11
2-Methylnaphthalene-d10
Concen: 0.313 ng
RT: 12.217 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN037900.D
Acq: 25 Sep 2025 21:54

Instrument :
BNA_N
ClientSampleId :
TT189D2-20250918

Tgt Ion:152 Resp: 8269

Ion	Ratio	Lower	Upper
152	100		
151	21.8	17.4	26.2

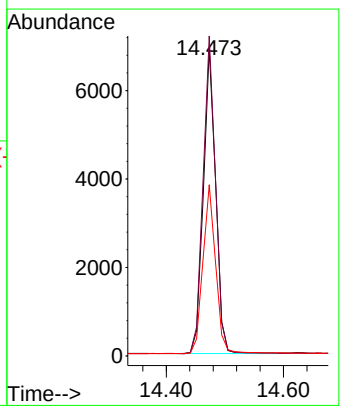


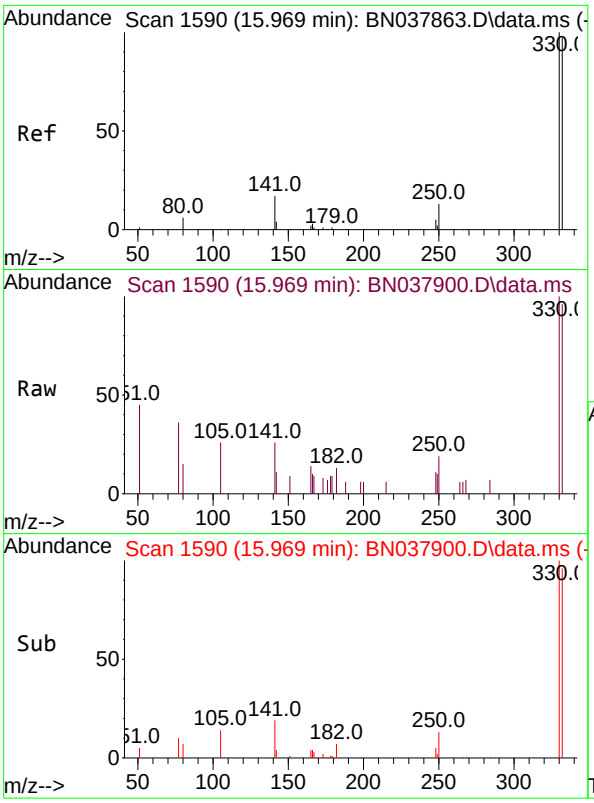


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.473 min Scan# 1456
Delta R.T. -0.000 min
Lab File: BN037900.D
Acq: 25 Sep 2025 21:54

Tgt Ion:164 Resp: 10075

Ion	Ratio	Lower	Upper
164	100		
162	104.1	84.8	127.2
160	55.7	46.1	69.1



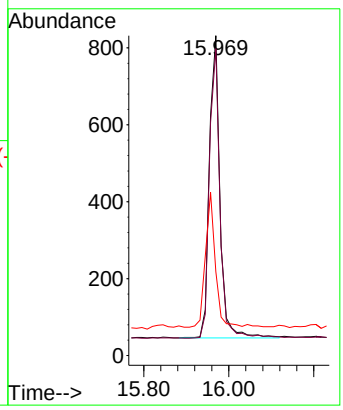


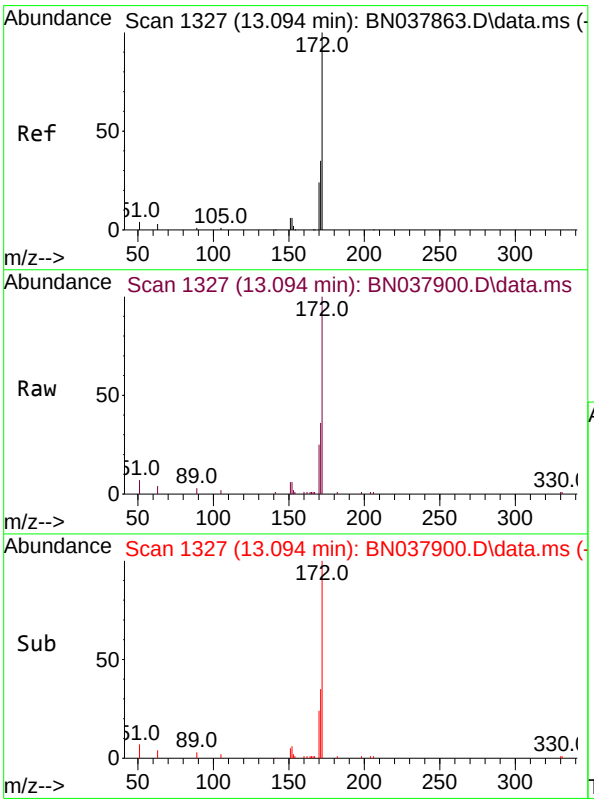
#14
2,4,6-Tribromophenol
Concen: 0.356 ng
RT: 15.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037900.D
Acq: 25 Sep 2025 21:54

Instrument :
BNA_N
ClientSampleId :
TT189D2-20250918

Tgt Ion:330 Resp: 1361

Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.2	115.8
141	41.7	37.2	55.8

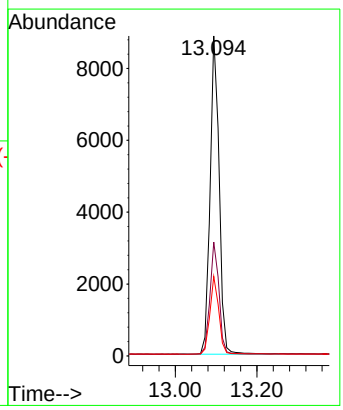


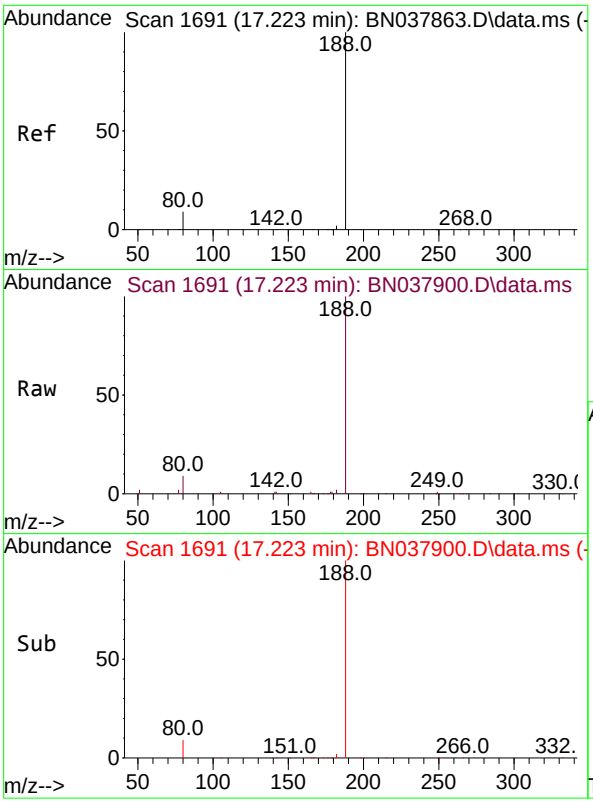


#15
2-Fluorobiphenyl
Concen: 0.330 ng
RT: 13.094 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BN037900.D
Acq: 25 Sep 2025 21:54

Tgt Ion:172 Resp: 13622

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.6	43.0
170	24.8	19.7	29.5



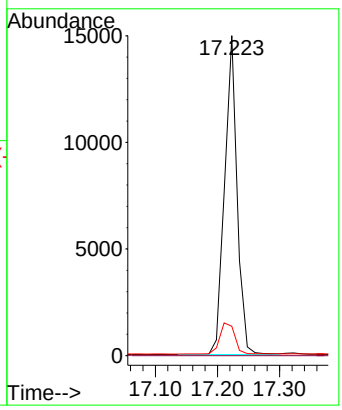


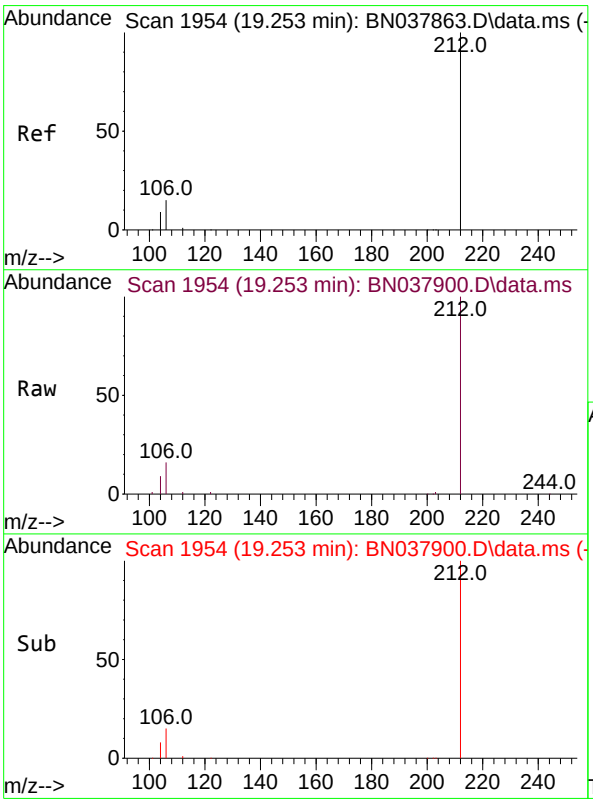
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.223 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037900.D
Acq: 25 Sep 2025 21:54

Instrument :
BNA_N
ClientSampleId :
TT189D2-20250918

Tgt Ion:188 Resp: 21000

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.2	7.6	11.4

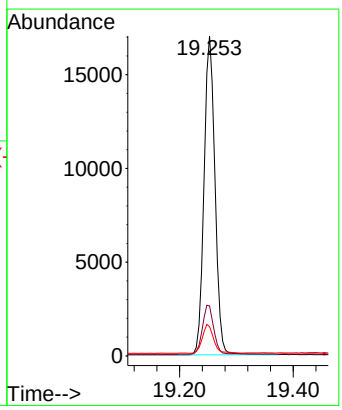


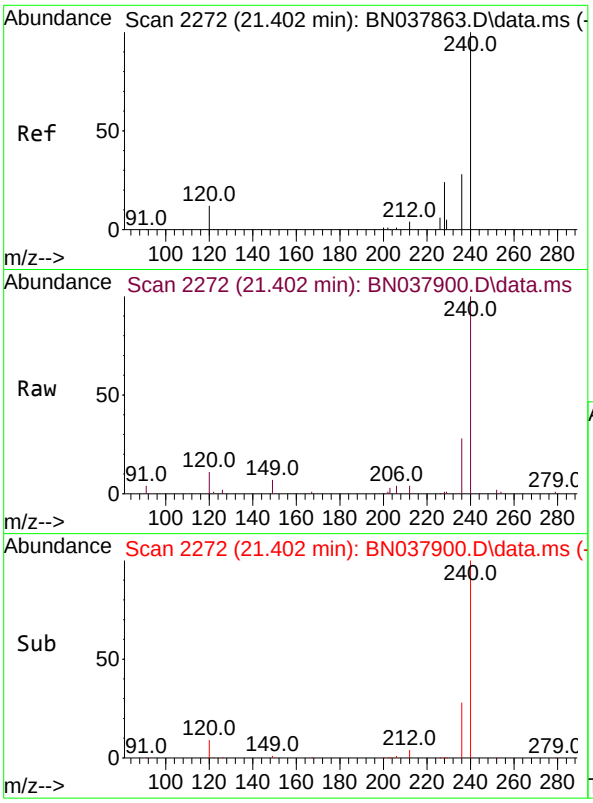


#27
Fluoranthene-d10
Concen: 0.430 ng
RT: 19.253 min Scan# 1954
Delta R.T. -0.000 min
Lab File: BN037900.D
Acq: 25 Sep 2025 21:54

Tgt Ion:212 Resp: 22716

Ion	Ratio	Lower	Upper
212	100		
106	15.9	12.6	19.0
104	9.2	7.4	11.0



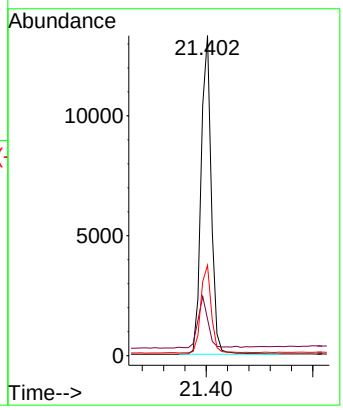


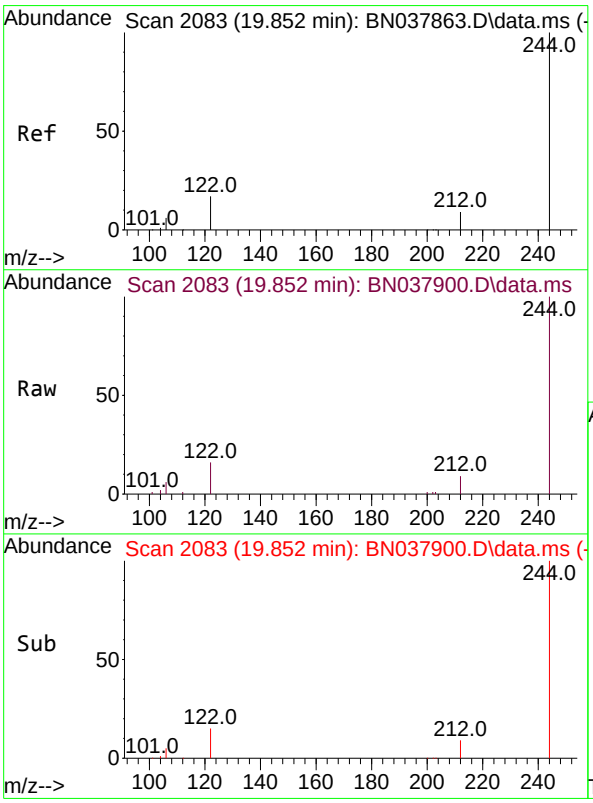
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.402 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037900.D
Acq: 25 Sep 2025 21:54

Instrument :
BNA_N
ClientSampleId :
TT189D2-20250918

Tgt Ion:240 Resp: 17568

Ion	Ratio	Lower	Upper
240	100		
120	11.4	11.4	17.2
236	28.2	23.0	34.6

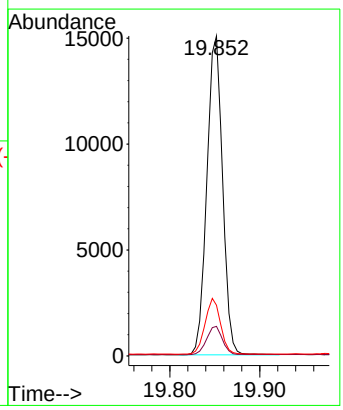


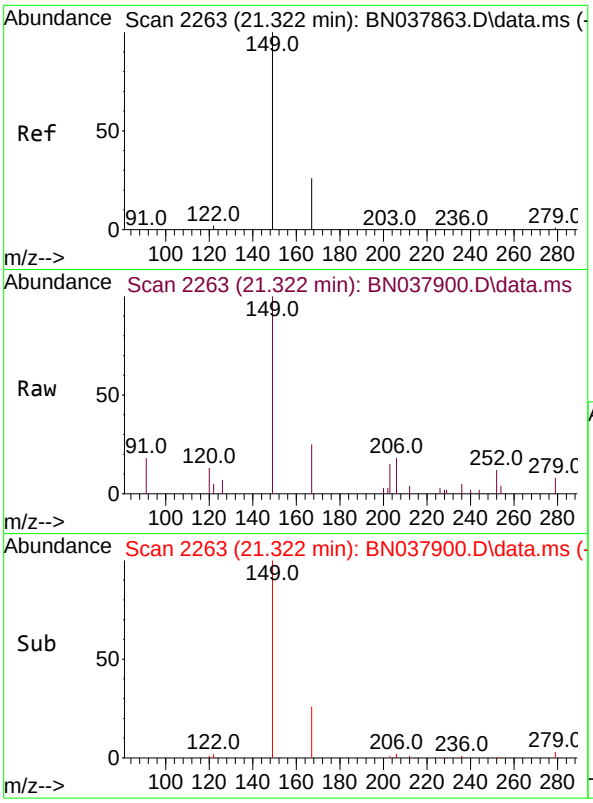


#31
Terphenyl-d14
Concen: 0.519 ng
RT: 19.852 min Scan# 2083
Delta R.T. -0.000 min
Lab File: BN037900.D
Acq: 25 Sep 2025 21:54

Tgt Ion:244 Resp: 18165

Ion	Ratio	Lower	Upper
244	100		
212	9.2	7.6	11.4
122	15.8	13.9	20.9



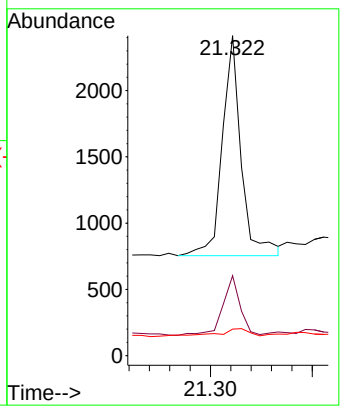


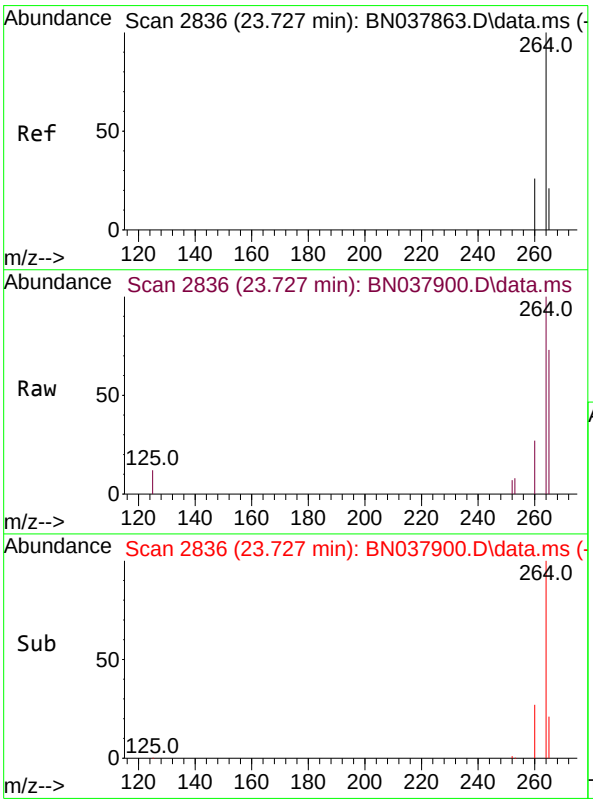
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.088 ng
RT: 21.322 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037900.D
Acq: 25 Sep 2025 21:54

Instrument :
BNA_N
ClientSampleId :
TT189D2-20250918

Tgt Ion:149 Resp: 2137

Ion	Ratio	Lower	Upper
149	100		
167	25.0	20.4	30.6
279	4.4	2.4	3.6#

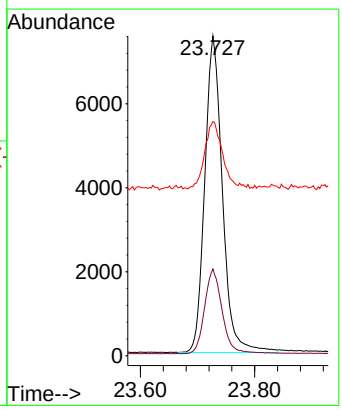




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.727 min Scan# 2836
Delta R.T. -0.000 min
Lab File: BN037900.D
Acq: 25 Sep 2025 21:54

Tgt Ion:264 Resp: 16173

Ion	Ratio	Lower	Upper
264	100		
260	27.2	21.5	32.3
265	73.2	53.8	80.6



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:	09/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/19/25
Client Sample ID:	TT189D2-20250918DL	SDG No.:	Q3156
Lab Sample ID:	Q3156-07DL	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
BN037940.D	2	09/23/25 09:15	09/29/25 18:09	PB169794

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	6.00	D	0.13	0.40	0.40	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.28		30 - 150		70%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.42		30 - 150		106%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.33		55 - 111		83%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.30		53 - 106		76%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.49		58 - 132		122%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6020	7.818				
1146-65-2	Naphthalene-d8	17100	10.616				
15067-26-2	Acenaphthene-d10	8850	14.473				
1517-22-2	Phenanthrene-d10	17900	17.211				
1719-03-5	Chrysene-d12	15900	21.393				
1520-96-3	Perylene-d12	16900	23.721				

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\BN092925\
Data File : BN037940.D
Acq On : 29 Sep 2025 18:09
Operator : RC/JU
Sample : Q3156-07DL 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
TT189D2-20250918DL

Quant Time: Sep 29 18:37:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration

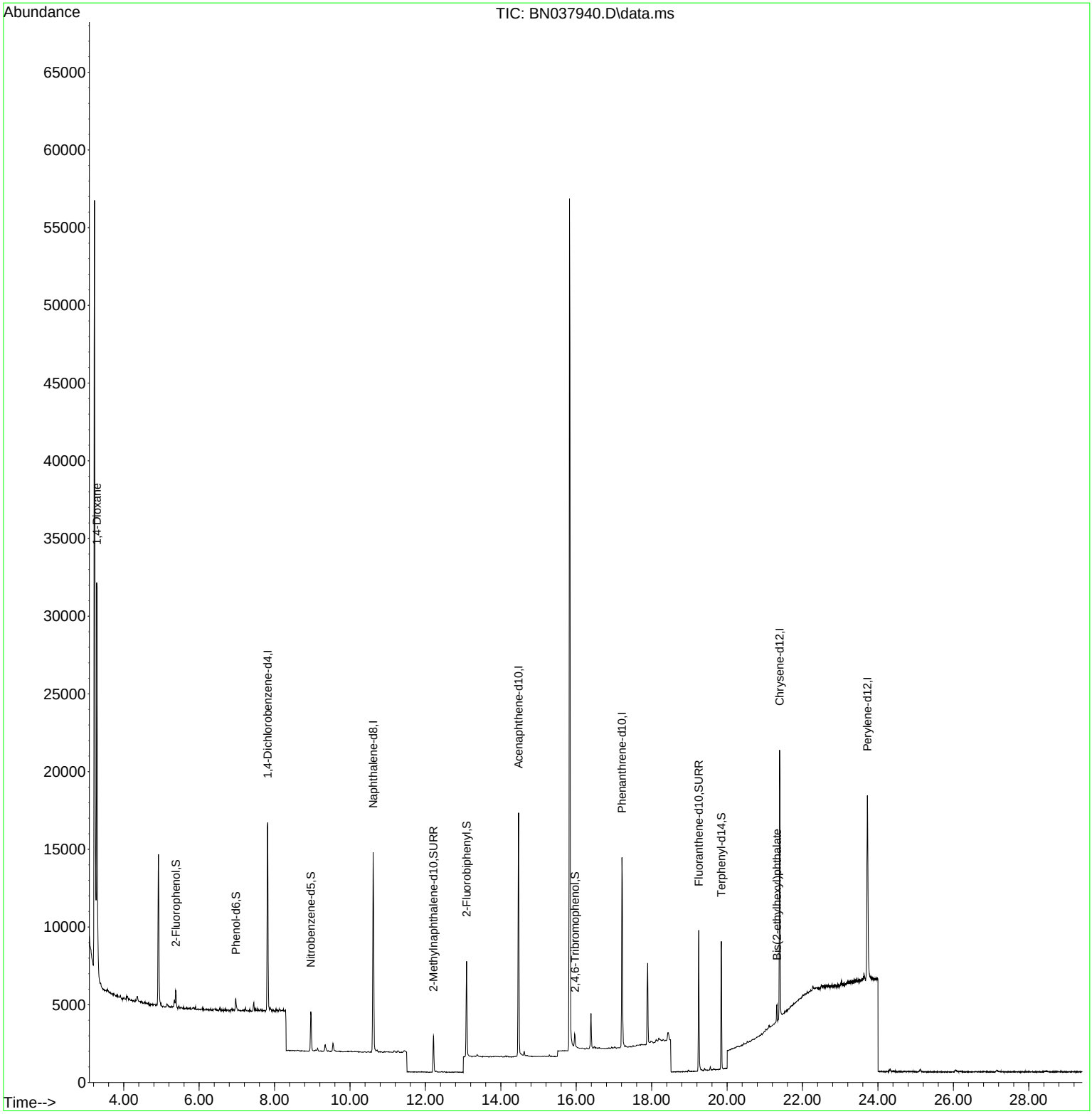
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.818	152	6024	0.400	ng	0.00
7) Naphthalene-d8	10.616	136	17127	0.400	ng	#-0.01
13) Acenaphthene-d10	14.473	164	8846	0.400	ng	0.00
19) Phenanthrene-d10	17.211	188	17911	0.400	ng	#-0.01
29) Chrysene-d12	21.393	240	15890	0.400	ng	# 0.00
35) Perylene-d12	23.721	264	16872	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.384	112	975	0.071	ng	0.00
5) Phenol-d6	6.973	99	732	0.041	ng	0.00
8) Nitrobenzene-d5	8.961	82	2152	0.165	ng	-0.01
11) 2-Methylnaphthalene-d10	12.212	152	3348	0.141	ng	0.00
14) 2,4,6-Tribromophenol	15.969	330	582	0.174	ng	0.00
15) 2-Fluorobiphenyl	13.094	172	5514	0.152	ng	0.00
27) Fluoranthene-d10	19.248	212	9537	0.212	ng	0.00
31) Terphenyl-d14	19.847	244	7706	0.243	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.290	88	18291	2.991	ng	98
34) Bis(2-ethylhexyl)phtha...	21.322	149	1224	0.056	ng	98

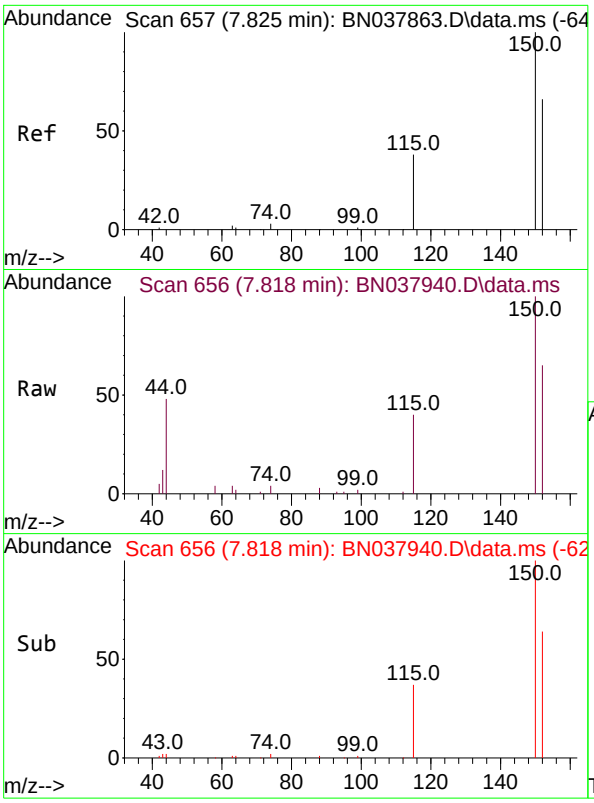
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092925\
Data File : BN037940.D
Acq On : 29 Sep 2025 18:09
Operator : RC/JU
Sample : Q3156-07DL 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
TT189D2-20250918DL

Quant Time: Sep 29 18:37:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration



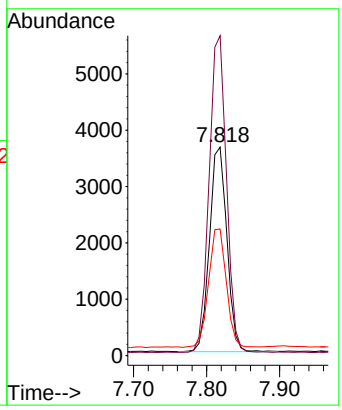


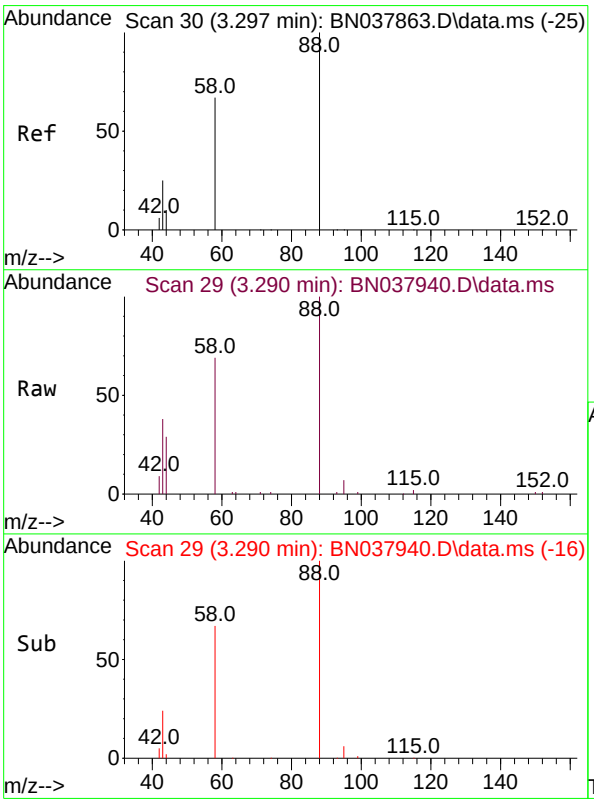
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.818 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN037940.D
Acq: 29 Sep 2025 18:09

Instrument :
BNA_N
ClientSampleId :
TT189D2-20250918DL

Tgt Ion:152 Resp: 6024

Ion	Ratio	Lower	Upper
152	100		
150	153.6	121.0	181.4
115	60.8	47.4	71.0

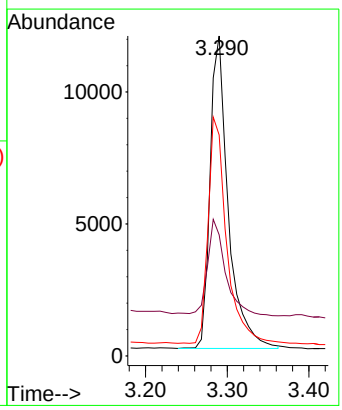


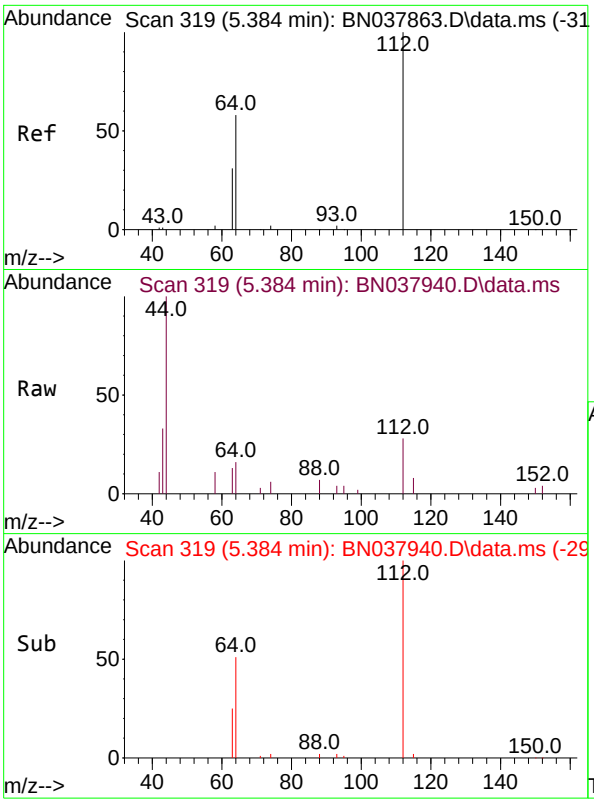


#2
1,4-Dioxane
Concen: 2.991 ng
RT: 3.290 min Scan# 29
Delta R.T. -0.007 min
Lab File: BN037940.D
Acq: 29 Sep 2025 18:09

Tgt Ion: 88 Resp: 18291

Ion	Ratio	Lower	Upper
88	100		
43	30.7	26.6	39.8
58	73.0	58.9	88.3



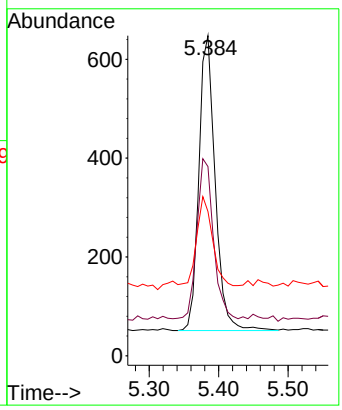


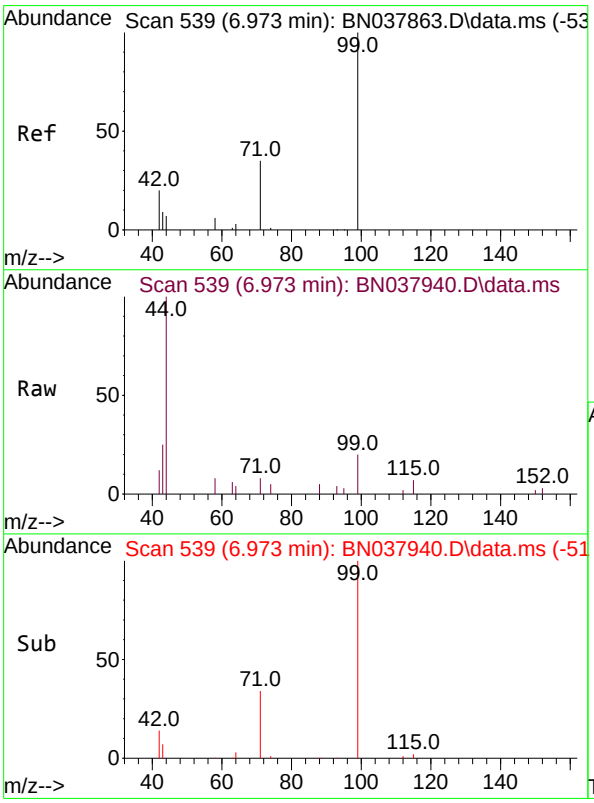
#4
2-Fluorophenol
Concen: 0.071 ng
RT: 5.384 min Scan# 31
Delta R.T. 0.000 min
Lab File: BN037940.D
Acq: 29 Sep 2025 18:09

Instrument :
BNA_N
ClientSampleId :
TT189D2-20250918DL

Tgt Ion:112 Resp: 975

Ion	Ratio	Lower	Upper
112	100		
64	55.5	44.6	66.8
63	28.9	24.9	37.3

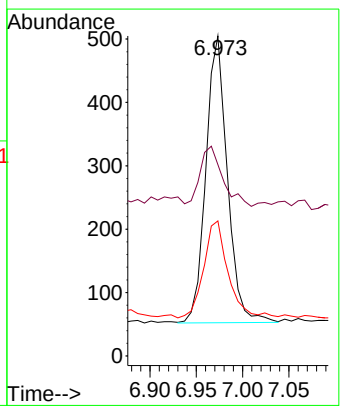


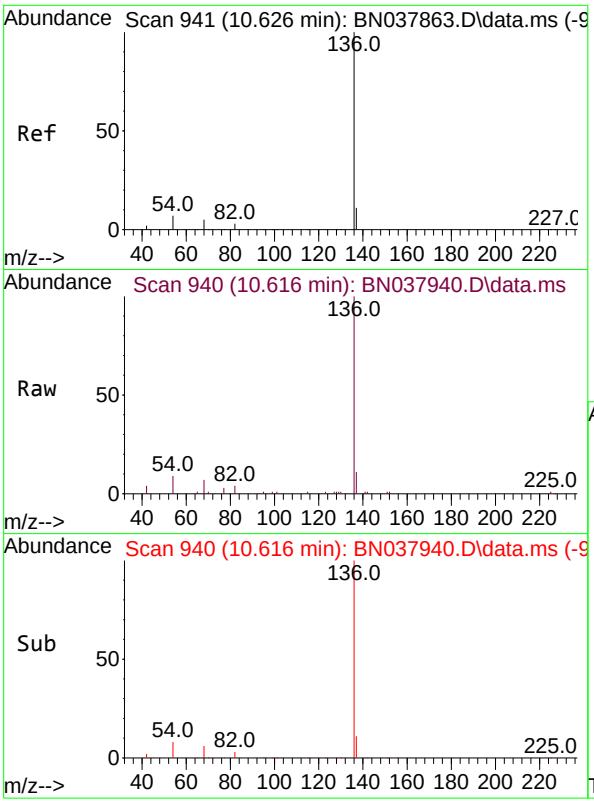


#5
Phenol-d6
Concen: 0.041 ng
RT: 6.973 min Scan# 539
Delta R.T. 0.000 min
Lab File: BN037940.D
Acq: 29 Sep 2025 18:09

Tgt Ion: 99 Resp: 732

Ion	Ratio	Lower	Upper
99	100		
42	23.5	17.2	25.8
71	38.4	27.3	40.9



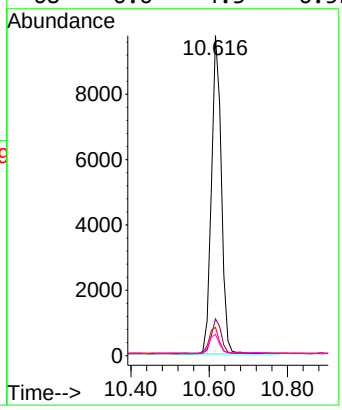


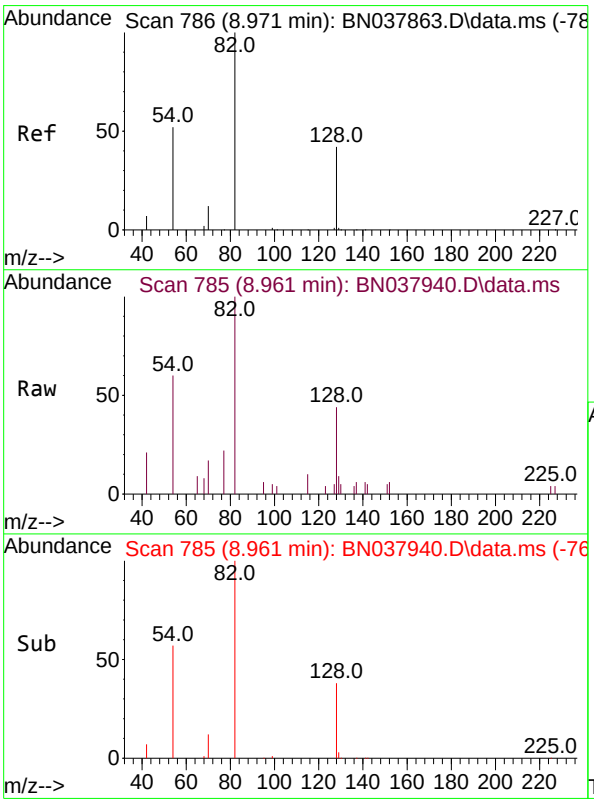
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.616 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037940.D
Acq: 29 Sep 2025 18:09

Instrument :
BNA_N
ClientSampleId :
TT189D2-20250918DL

Tgt Ion:136 Resp: 17127

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.0	13.4
54	8.8	5.8	8.8#
68	6.6	4.3	6.5#

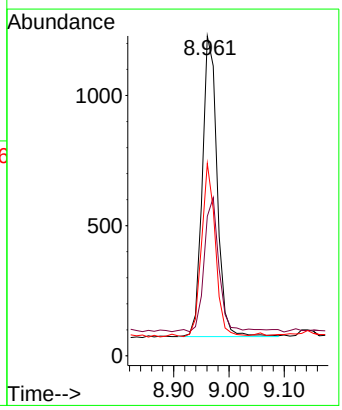


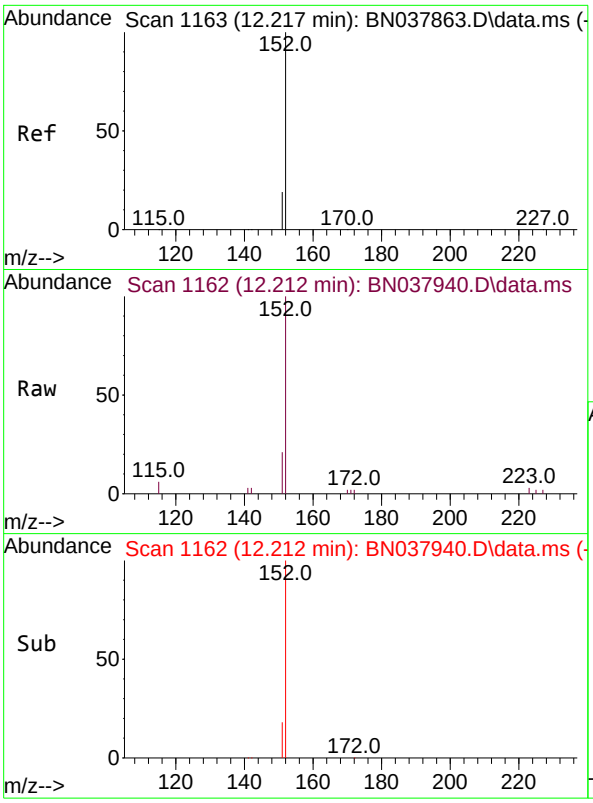


#8
Nitrobenzene-d5
Concen: 0.165 ng
RT: 8.961 min Scan# 785
Delta R.T. -0.011 min
Lab File: BN037940.D
Acq: 29 Sep 2025 18:09

Tgt Ion: 82 Resp: 2152

Ion	Ratio	Lower	Upper
82	100		
128	43.6	34.8	52.2
54	60.1	42.2	63.2



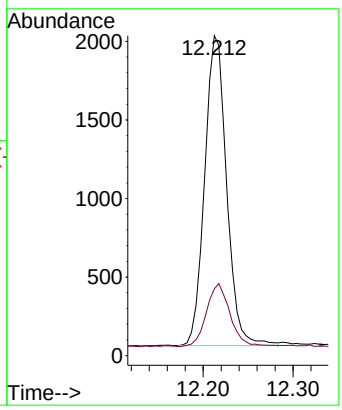


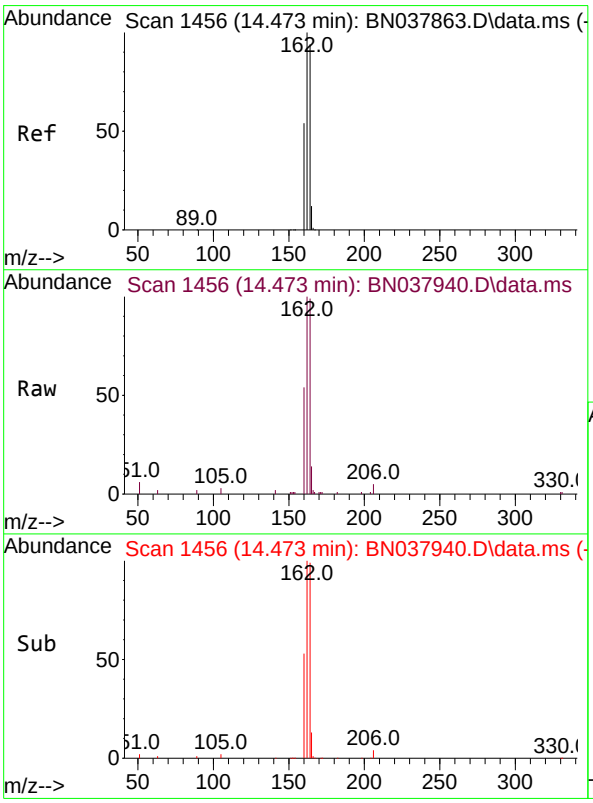
#11
2-Methylnaphthalene-d10
Concen: 0.141 ng
RT: 12.212 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN037940.D
Acq: 29 Sep 2025 18:09

Instrument :
BNA_N
ClientSampleId :
TT189D2-20250918DL

Tgt Ion:152 Resp: 3348

Ion	Ratio	Lower	Upper
152	100		
151	21.8	17.4	26.2

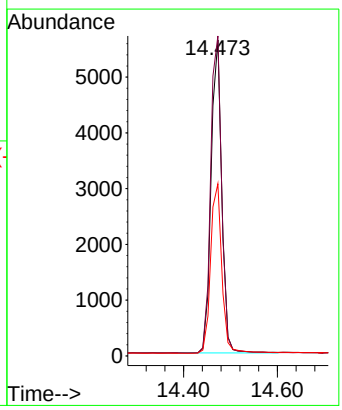


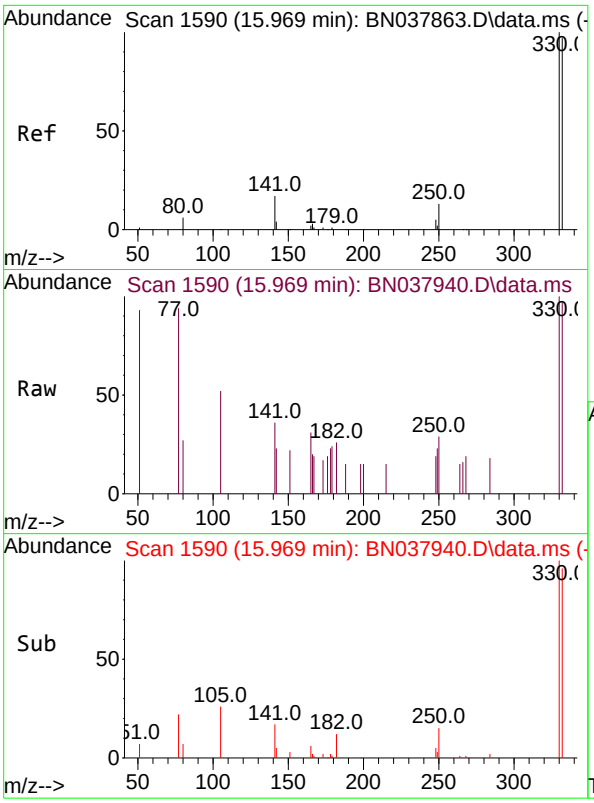


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.473 min Scan# 1456
Delta R.T. 0.000 min
Lab File: BN037940.D
Acq: 29 Sep 2025 18:09

Tgt Ion:164 Resp: 8846

Ion	Ratio	Lower	Upper
164	100		
162	101.3	84.8	127.2
160	54.4	46.1	69.1



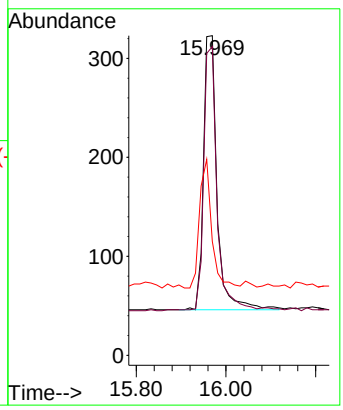


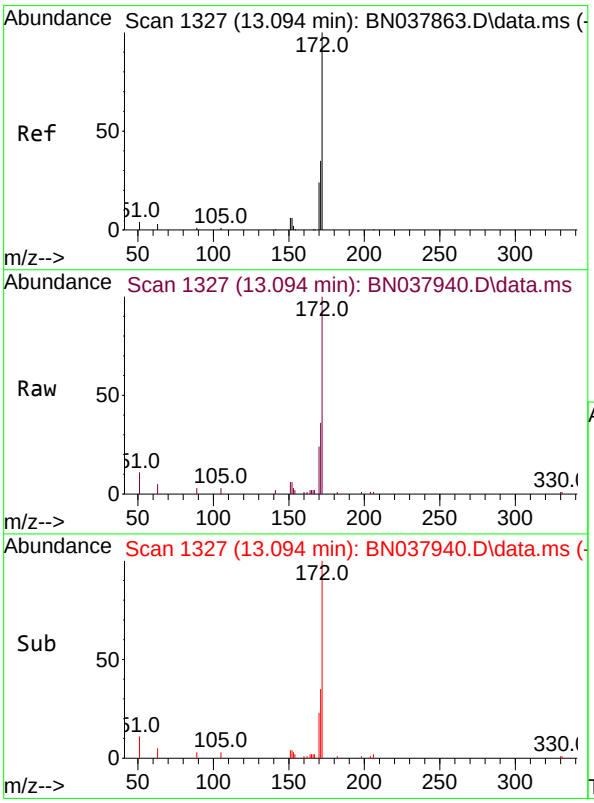
#14
2,4,6-Tribromophenol
Concen: 0.174 ng
RT: 15.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037940.D
Acq: 29 Sep 2025 18:09

Instrument :
BNA_N
ClientSampleId :
TT189D2-20250918DL

Tgt Ion:330 Resp: 582

Ion	Ratio	Lower	Upper
330	100		
332	93.0	77.2	115.8
141	41.9	37.2	55.8

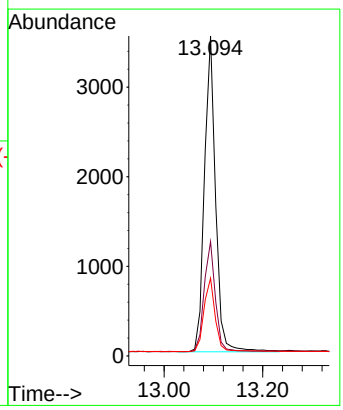


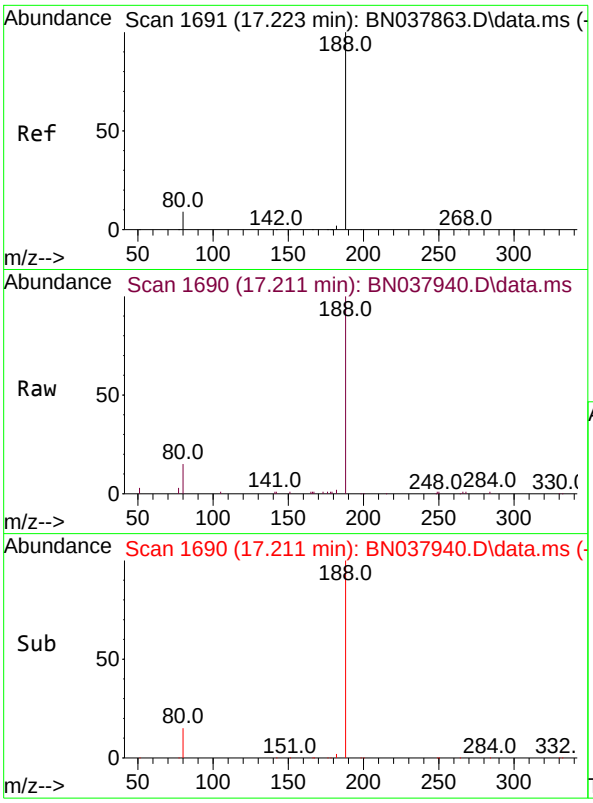


#15
2-Fluorobiphenyl
Concen: 0.152 ng
RT: 13.094 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BN037940.D
Acq: 29 Sep 2025 18:09

Tgt Ion:172 Resp: 5514

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.6	43.0
170	24.3	19.7	29.5



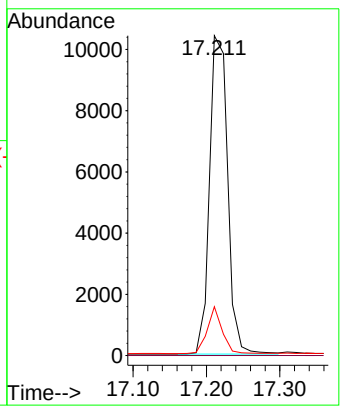


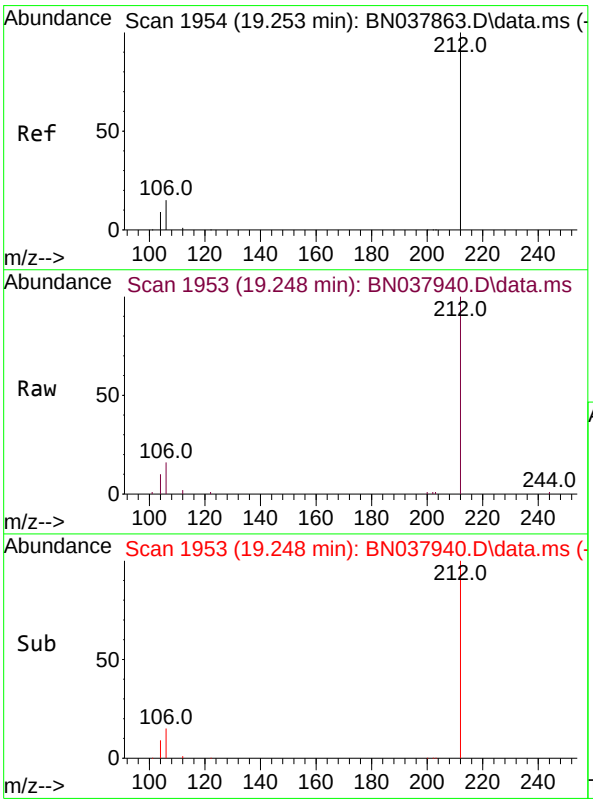
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.211 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037940.D
Acq: 29 Sep 2025 18:09

Instrument :
BNA_N
ClientSampleId :
TT189D2-20250918DL

Tgt Ion:188 Resp: 17911

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	15.3	7.6	11.4#

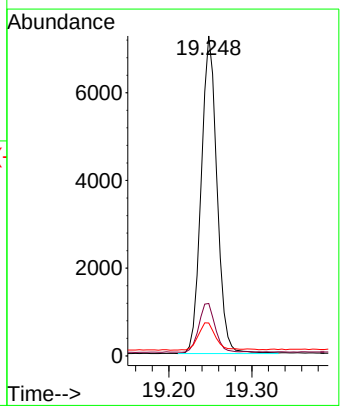


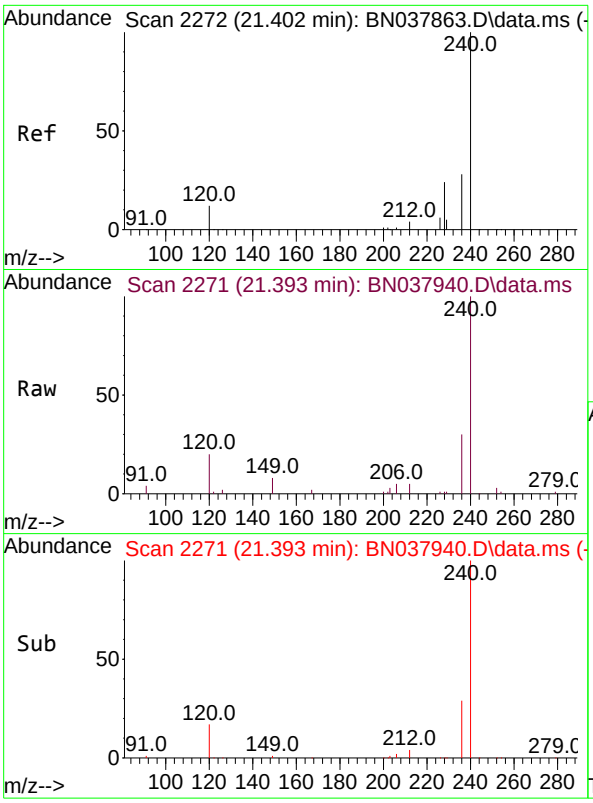


#27
Fluoranthene-d10
Concen: 0.212 ng
RT: 19.248 min Scan# 1953
Delta R.T. -0.005 min
Lab File: BN037940.D
Acq: 29 Sep 2025 18:09

Tgt Ion:212 Resp: 9537

Ion	Ratio	Lower	Upper
212	100		
106	15.7	12.6	19.0
104	9.4	7.4	11.0



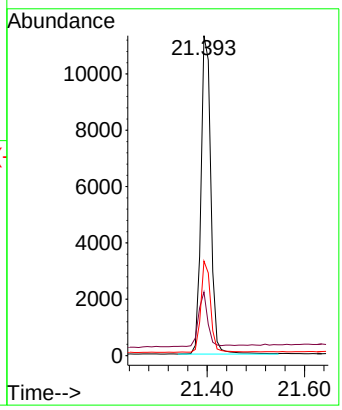


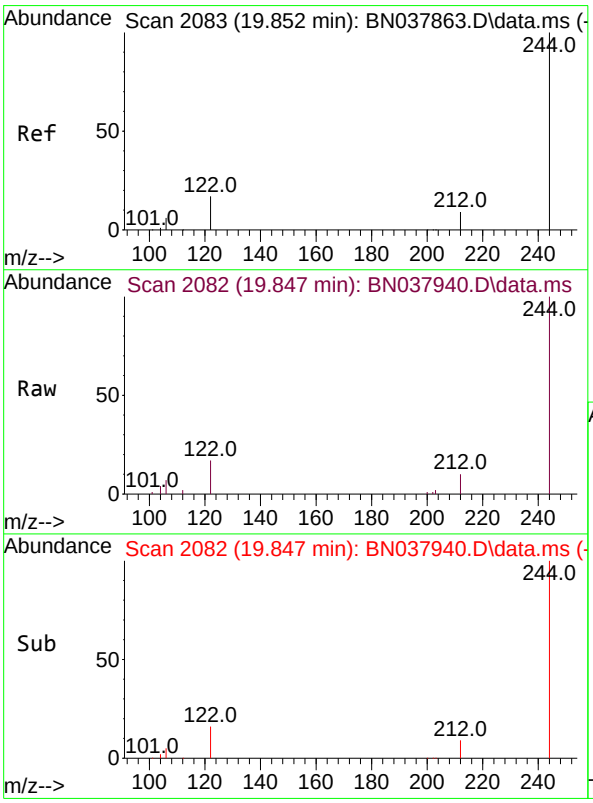
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.393 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037940.D
Acq: 29 Sep 2025 18:09

Instrument :
BNA_N
ClientSampleId :
TT189D2-20250918DL

Tgt Ion:240 Resp: 15890

Ion	Ratio	Lower	Upper
240	100		
120	19.9	11.4	17.2#
236	29.5	23.0	34.6

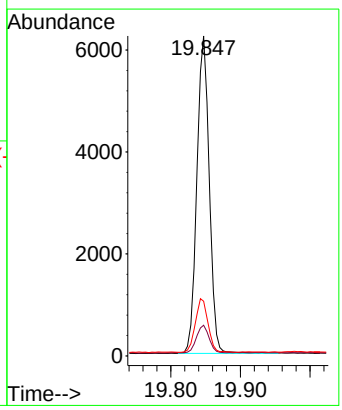


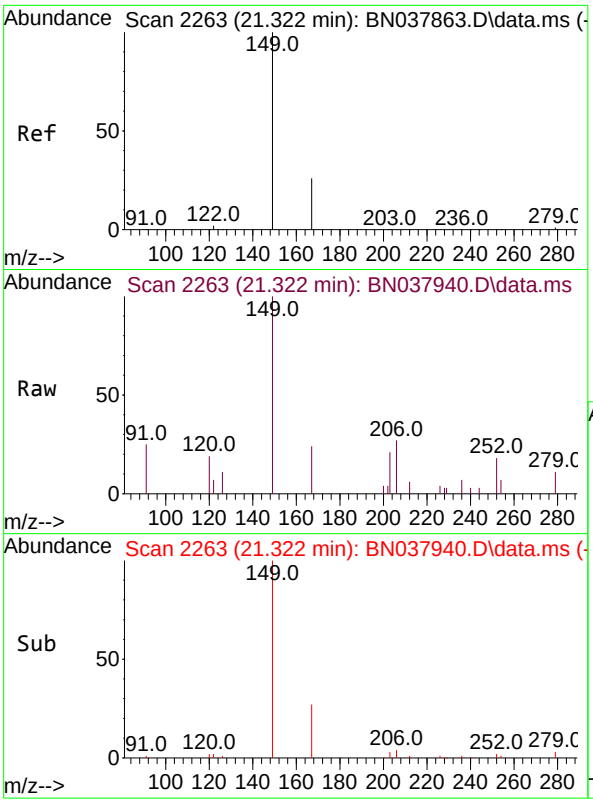


#31
Terphenyl-d14
Concen: 0.243 ng
RT: 19.847 min Scan# 2082
Delta R.T. -0.005 min
Lab File: BN037940.D
Acq: 29 Sep 2025 18:09

Tgt Ion:244 Resp: 7706

Ion	Ratio	Lower	Upper
244	100		
212	9.6	7.6	11.4
122	17.1	13.9	20.9



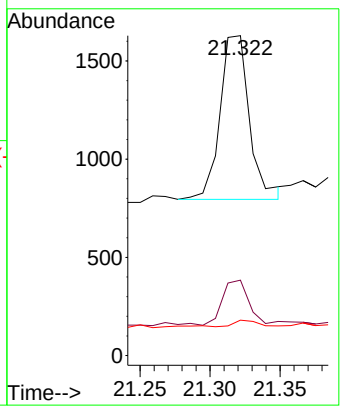


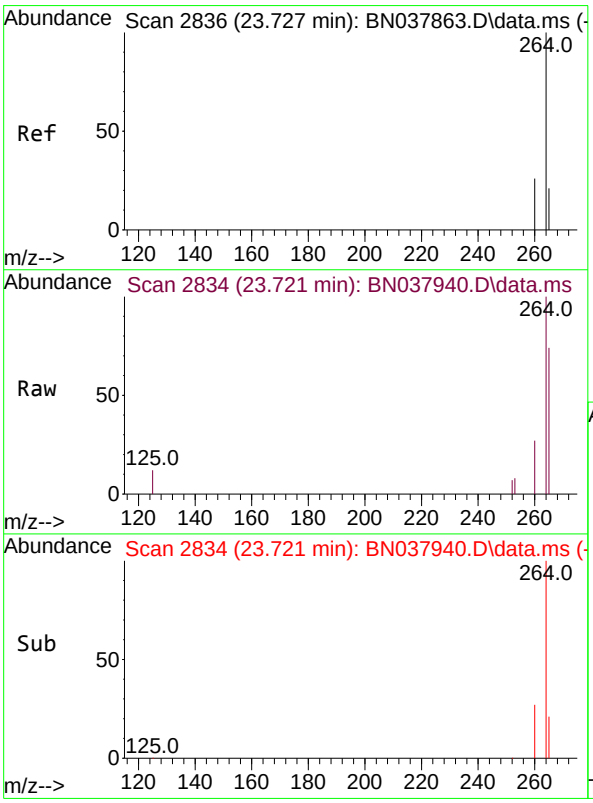
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.056 ng
RT: 21.322 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN037940.D
Acq: 29 Sep 2025 18:09

Instrument :
BNA_N
ClientSampleId :
TT189D2-20250918DL

Tgt Ion:149 Resp: 1224

Ion	Ratio	Lower	Upper
149	100		
167	26.6	20.4	30.6
279	3.2	2.4	3.6

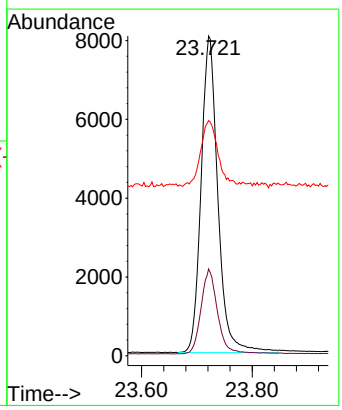




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.721 min Scan# 2834
Delta R.T. -0.006 min
Lab File: BN037940.D
Acq: 29 Sep 2025 18:09

Tgt Ion:264 Resp: 16872

Ion	Ratio	Lower	Upper
264	100		
260	27.2	21.5	32.3
265	73.5	53.8	80.6



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:	09/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/19/25
Client Sample ID:	TT149I1-20250918	SDG No.:	Q3156
Lab Sample ID:	Q3156-08	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
BN037907.D	1	09/23/25 09:15	09/26/25 02:52	PB169794

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	0.31		30 - 150		77%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.44		30 - 150		109%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.35		55 - 111		88%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.34		53 - 106		85%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.55	*	58 - 132		137%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6900	7.818				
1146-65-2	Naphthalene-d8	19100	10.626				
15067-26-2	Acenaphthene-d10	9820	14.473				
1517-22-2	Phenanthrene-d10	20300	17.223				
1719-03-5	Chrysene-d12	16600	21.402				
1520-96-3	Perylene-d12	14300	23.733				

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\BN092525\
Data File : BN037907.D
Acq On : 26 Sep 2025 02:52
Operator : RC/JU
Sample : Q3156-08
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
TT149I1-20250918

Quant Time: Sep 26 07:38:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration

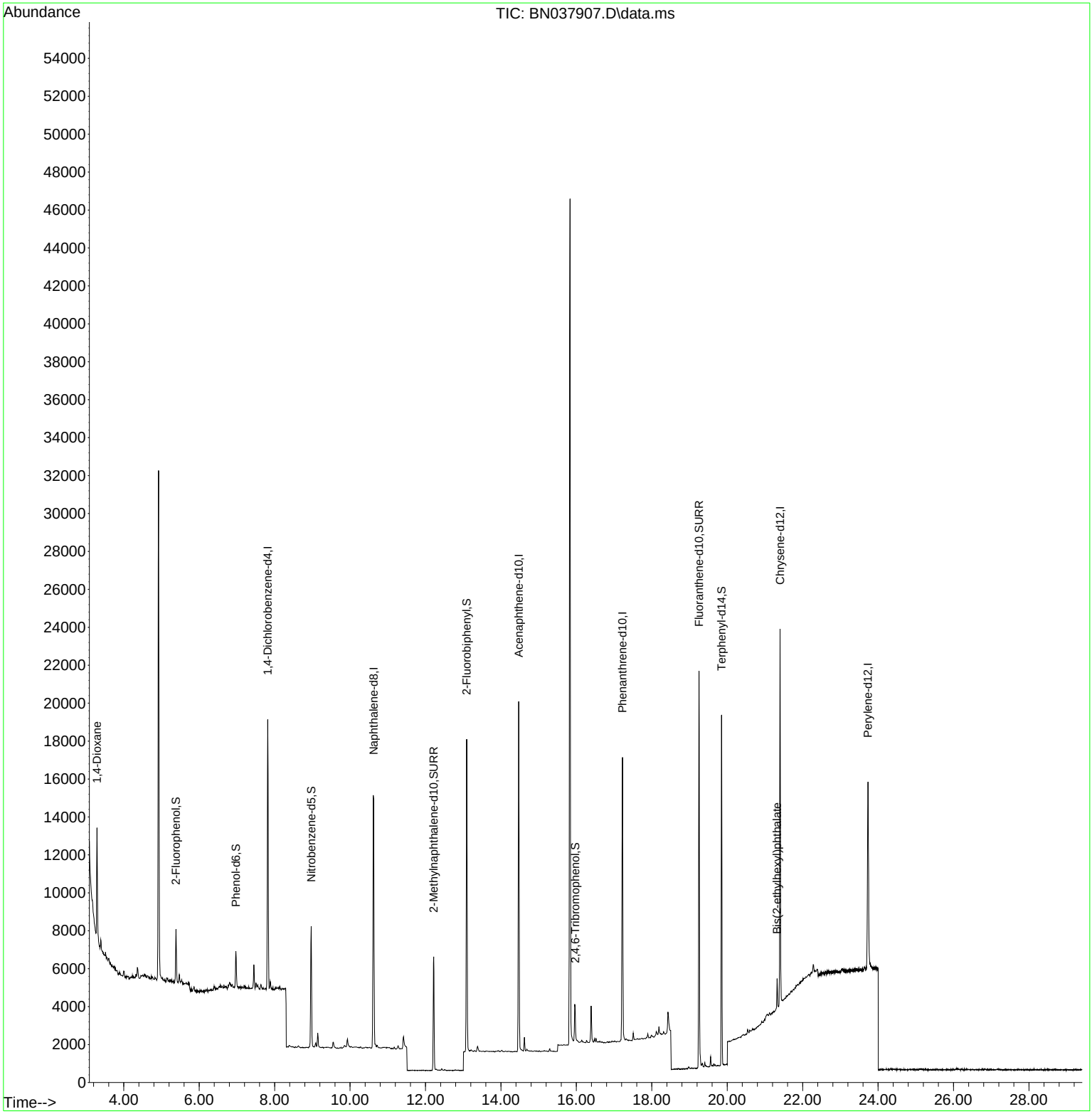
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.818	152	6896	0.400	ng	0.00
7) Naphthalene-d8	10.626	136	19086	0.400	ng	0.00
13) Acenaphthene-d10	14.473	164	9820	0.400	ng	0.00
19) Phenanthrene-d10	17.223	188	20338	0.400	ng	0.00
29) Chrysene-d12	21.402	240	16550	0.400	ng	0.00
35) Perylene-d12	23.733	264	14300	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.384	112	2225	0.141	ng	0.00
5) Phenol-d6	6.973	99	1735	0.084	ng	0.00
8) Nitrobenzene-d5	8.971	82	5138	0.353	ng	0.00
11) 2-Methylnaphthalene-d10	12.217	152	8146	0.307	ng	0.00
14) 2,4,6-Tribromophenol	15.969	330	1284	0.345	ng	0.00
15) 2-Fluorobiphenyl	13.094	172	13636	0.339	ng	0.00
27) Fluoranthene-d10	19.252	212	22419	0.438	ng	0.00
31) Terphenyl-d14	19.852	244	17990	0.546	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.290	88	3643	0.520	ng	# 91
34) Bis(2-ethylhexyl)phtha...	21.322	149	1585	0.069	ng	# 98

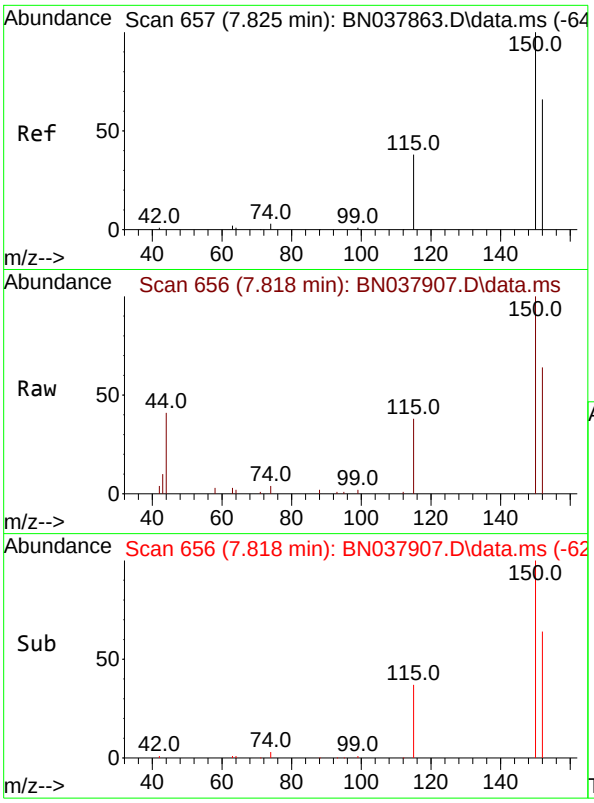
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092525\
Data File : BN037907.D
Acq On : 26 Sep 2025 02:52
Operator : RC/JU
Sample : Q3156-08
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
TT149I1-20250918

Quant Time: Sep 26 07:38:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration



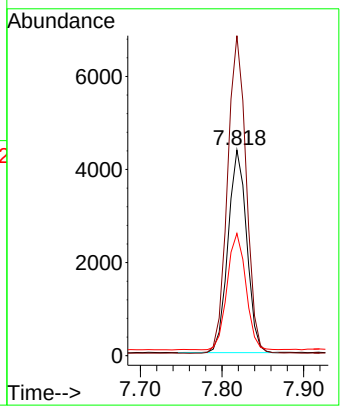


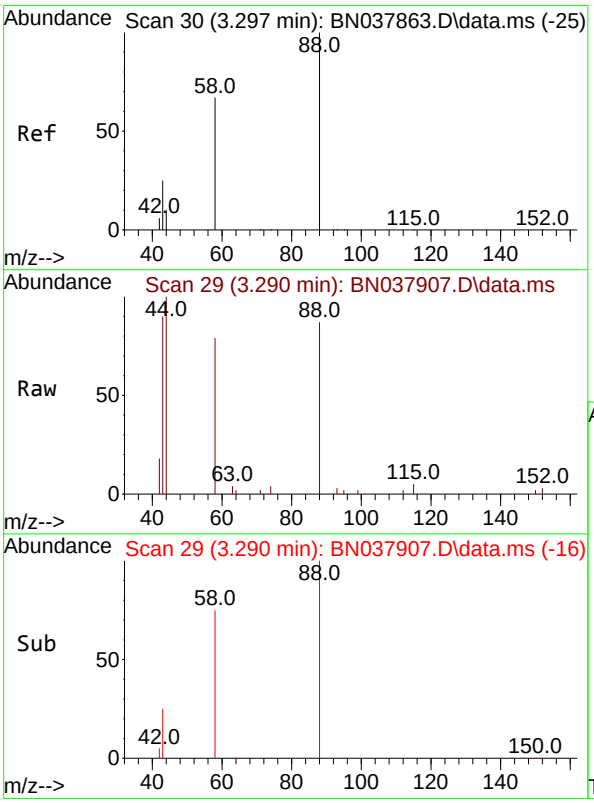
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.818 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN037907.D
Acq: 26 Sep 2025 02:52

Instrument :
BNA_N
ClientSampleId :
TT149I1-20250918

Tgt Ion:152 Resp: 6896

Ion	Ratio	Lower	Upper
152	100		
150	155.7	121.0	181.4
115	59.4	47.4	71.0

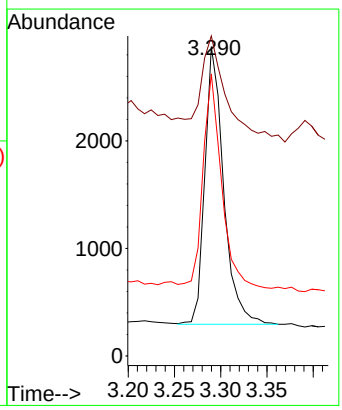


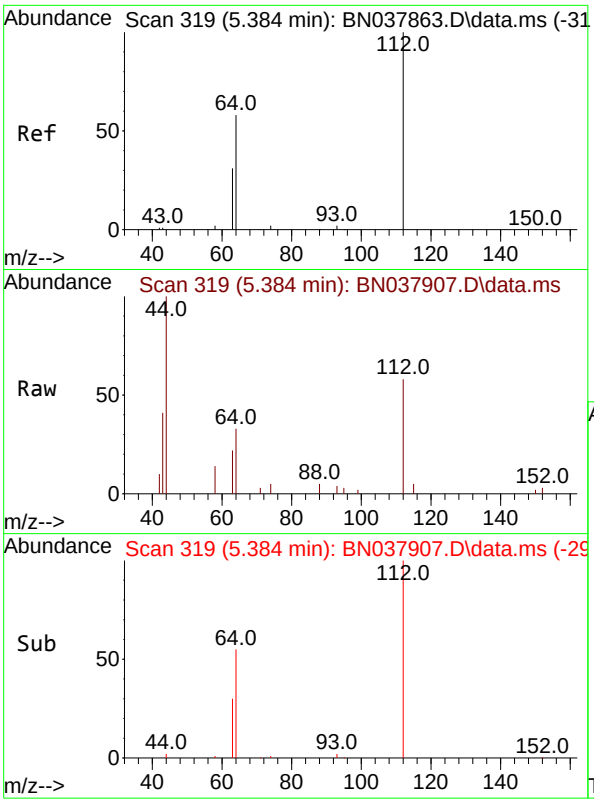


#2
1,4-Dioxane
Concen: 0.520 ng
RT: 3.290 min Scan# 29
Delta R.T. -0.007 min
Lab File: BN037907.D
Acq: 26 Sep 2025 02:52

Tgt Ion: 88 Resp: 3643

Ion	Ratio	Lower	Upper
88	100		
43	45.0	26.6	39.8#
58	76.3	58.9	88.3



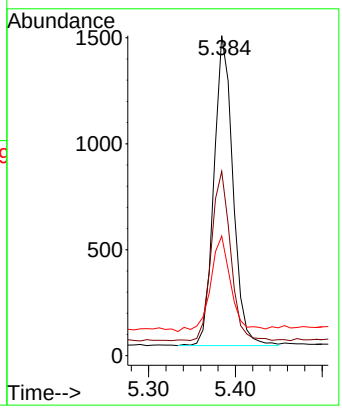


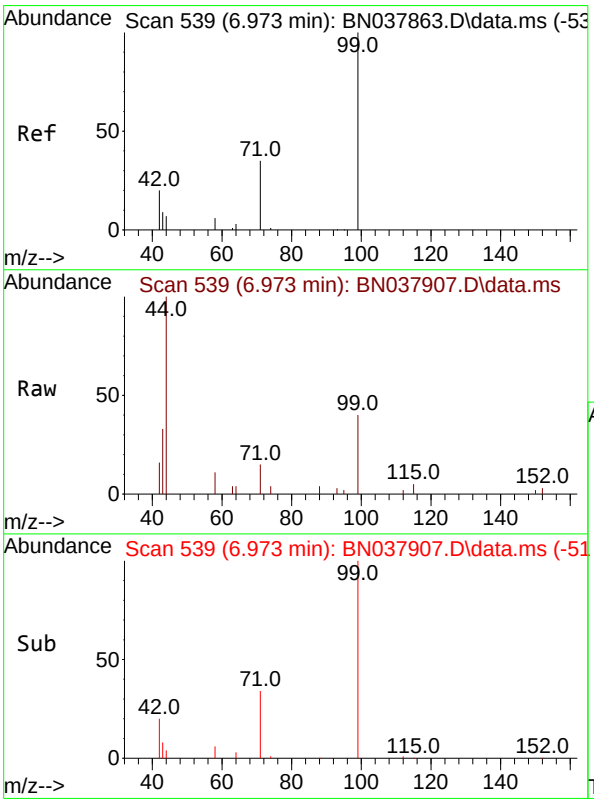
#4
2-Fluorophenol
Concen: 0.141 ng
RT: 5.384 min Scan# 31
Delta R.T. -0.000 min
Lab File: BN037907.D
Acq: 26 Sep 2025 02:52

Instrument :
BNA_N
ClientSampleId :
TT149I1-20250918

Tgt Ion:112 Resp: 2225

Ion	Ratio	Lower	Upper
112	100		
64	55.1	44.6	66.8
63	33.0	24.9	37.3

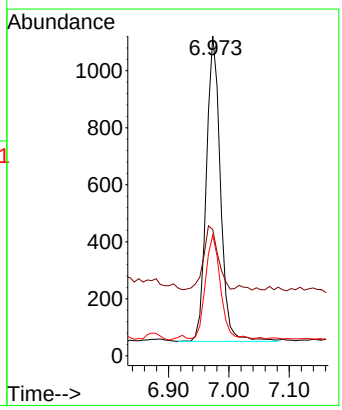


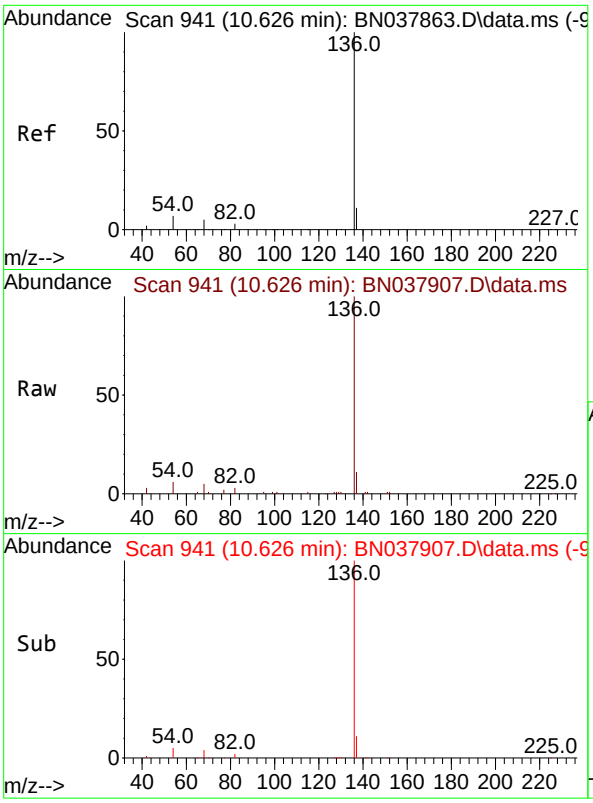


#5
Phenol-d6
Concen: 0.084 ng
RT: 6.973 min Scan# 539
Delta R.T. -0.000 min
Lab File: BN037907.D
Acq: 26 Sep 2025 02:52

Tgt Ion: 99 Resp: 1735

Ion	Ratio	Lower	Upper
99	100		
42	21.5	17.2	25.8
71	35.7	27.3	40.9



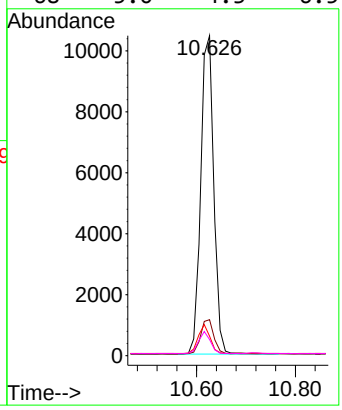


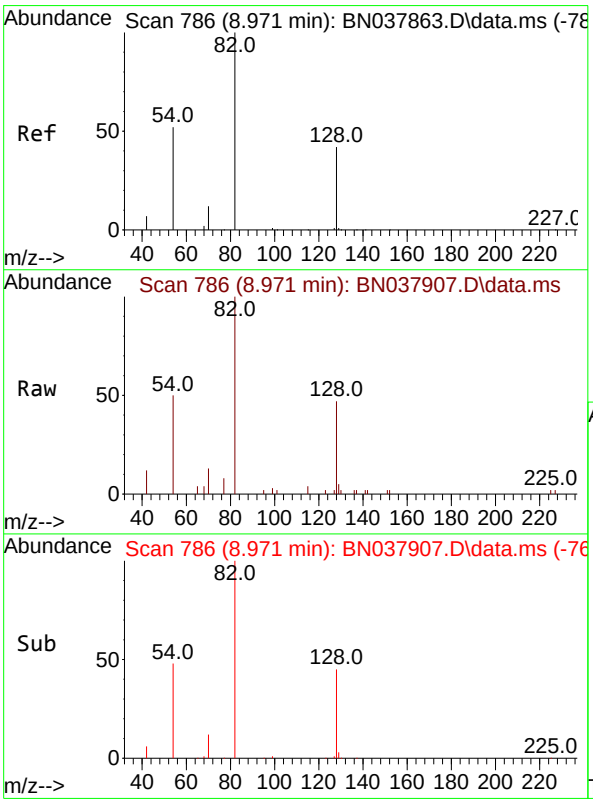
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.626 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN037907.D
Acq: 26 Sep 2025 02:52

Instrument :
BNA_N
ClientSampleId :
TT149I1-20250918

Tgt Ion:136 Resp: 19086

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.4
54	6.1	5.8	8.8
68	5.0	4.3	6.5

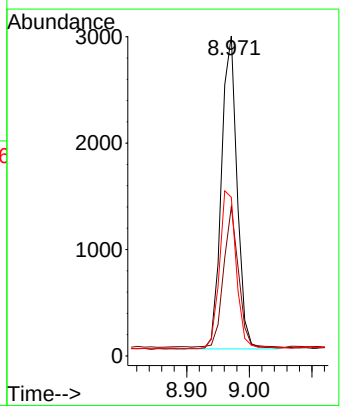


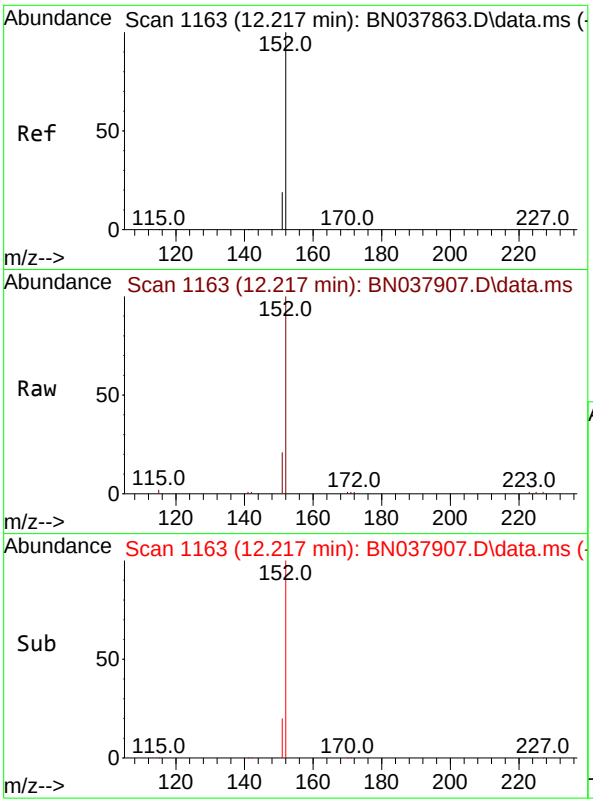


#8
Nitrobenzene-d5
Concen: 0.353 ng
RT: 8.971 min Scan# 786
Delta R.T. -0.000 min
Lab File: BN037907.D
Acq: 26 Sep 2025 02:52

Tgt Ion: 82 Resp: 5138

Ion	Ratio	Lower	Upper
82	100		
128	46.7	34.8	52.2
54	49.6	42.2	63.2



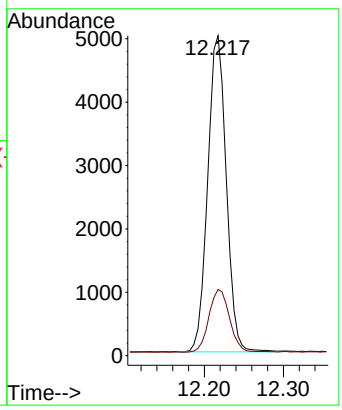


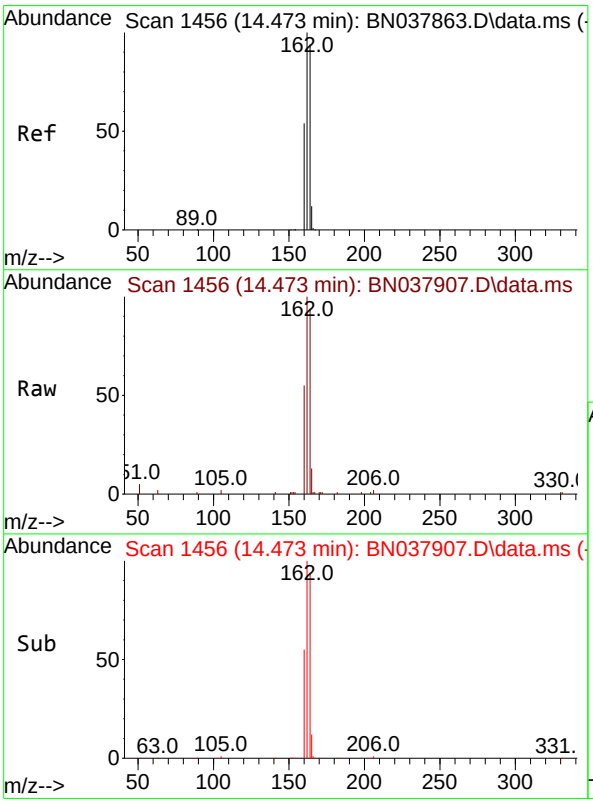
#11
2-Methylnaphthalene-d10
Concen: 0.307 ng
RT: 12.217 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN037907.D
Acq: 26 Sep 2025 02:52

Instrument :
BNA_N
ClientSampleId :
TT149l1-20250918

Tgt Ion:152 Resp: 8146

Ion	Ratio	Lower	Upper
152	100		
151	22.2	17.4	26.2

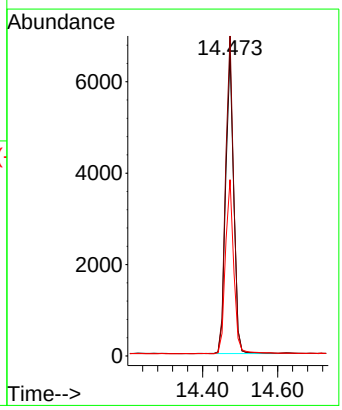


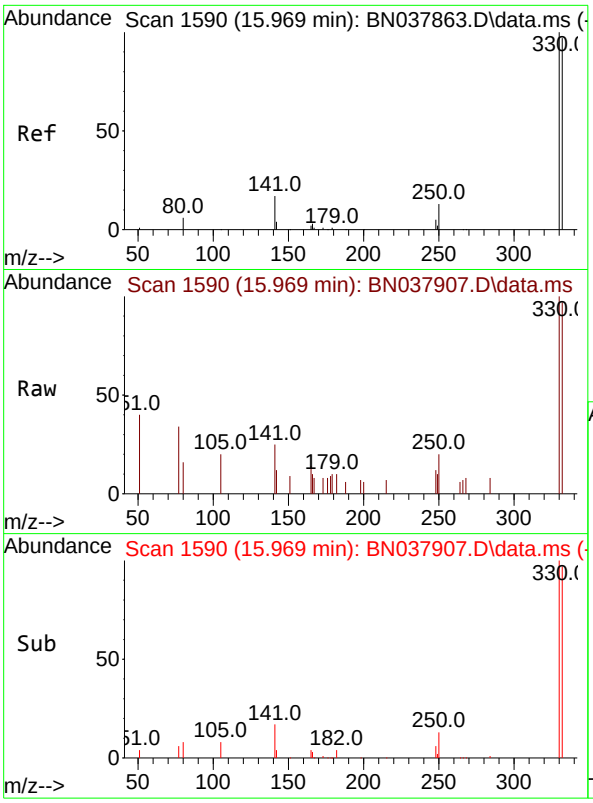


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.473 min Scan# 1456
Delta R.T. -0.000 min
Lab File: BN037907.D
Acq: 26 Sep 2025 02:52

Tgt Ion:164 Resp: 9820

Ion	Ratio	Lower	Upper
164	100		
162	105.9	84.8	127.2
160	58.3	46.1	69.1



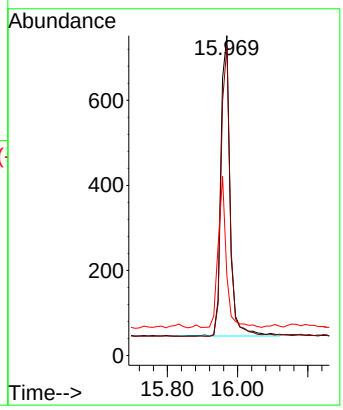


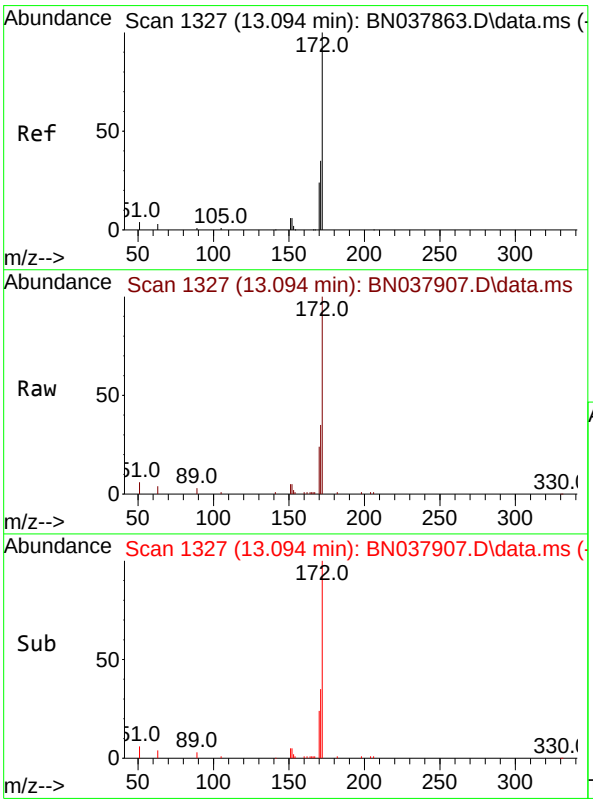
#14
2,4,6-Tribromophenol
Concen: 0.345 ng
RT: 15.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037907.D
Acq: 26 Sep 2025 02:52

Instrument :
BNA_N
ClientSampleId :
TT149I1-20250918

Tgt Ion:330 Resp: 1284

Ion	Ratio	Lower	Upper
330	100		
332	94.4	77.2	115.8
141	44.4	37.2	55.8

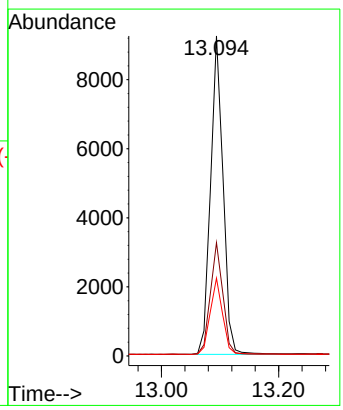


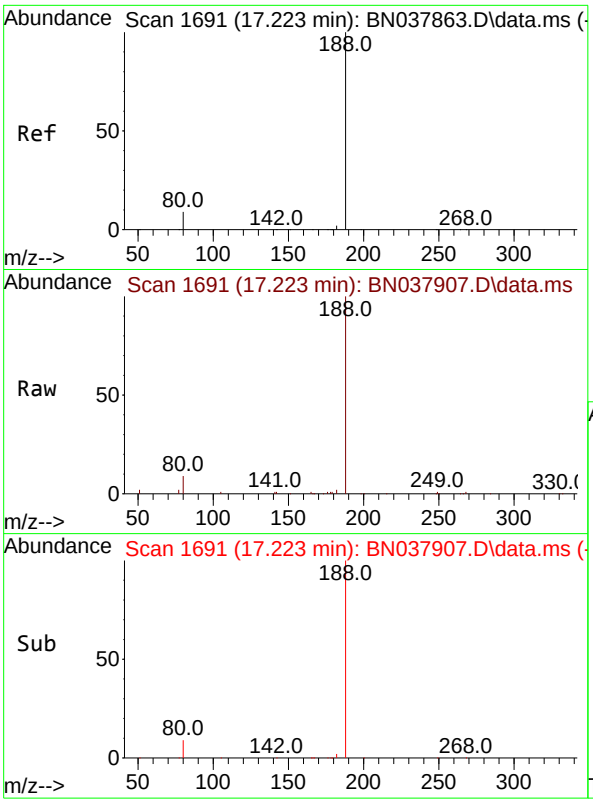


#15
2-Fluorobiphenyl
Concen: 0.339 ng
RT: 13.094 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BN037907.D
Acq: 26 Sep 2025 02:52

Tgt Ion:172 Resp: 13636

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.6	43.0
170	24.3	19.7	29.5



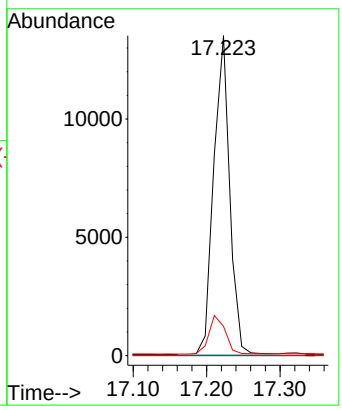


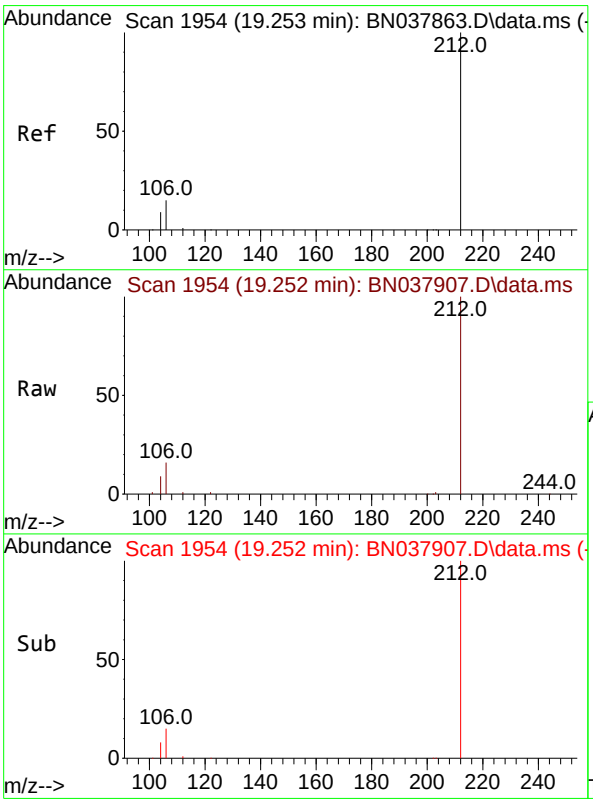
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.223 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037907.D
Acq: 26 Sep 2025 02:52

Instrument :
BNA_N
ClientSampleId :
TT149l1-20250918

Tgt Ion:188 Resp: 20338

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.2	7.6	11.4

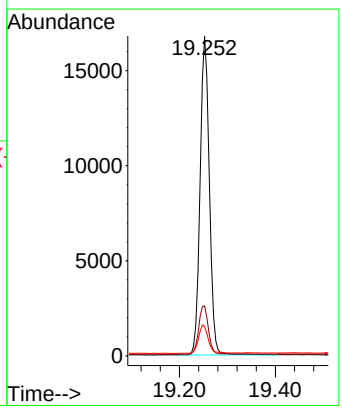


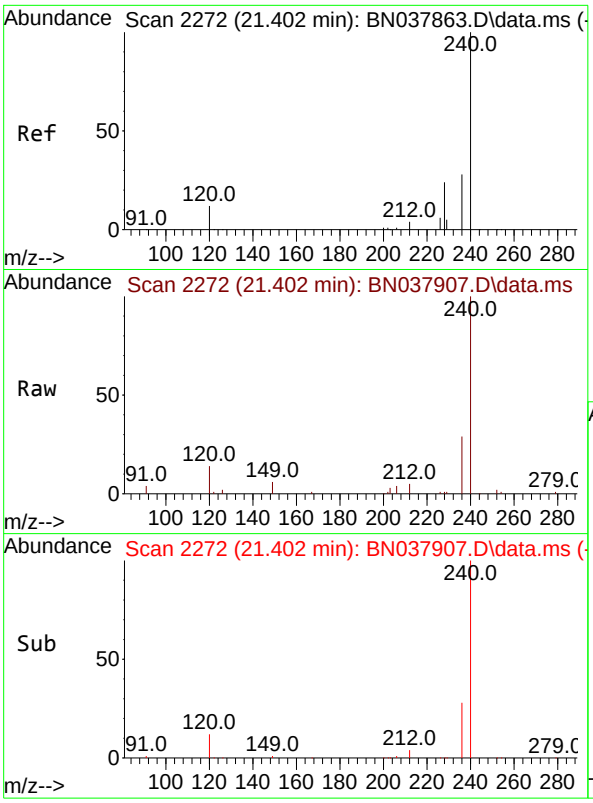


#27
Fluoranthene-d10
Concen: 0.438 ng
RT: 19.252 min Scan# 1954
Delta R.T. -0.000 min
Lab File: BN037907.D
Acq: 26 Sep 2025 02:52

Tgt Ion:212 Resp: 22419

Ion	Ratio	Lower	Upper
212	100		
106	15.9	12.6	19.0
104	9.4	7.4	11.0



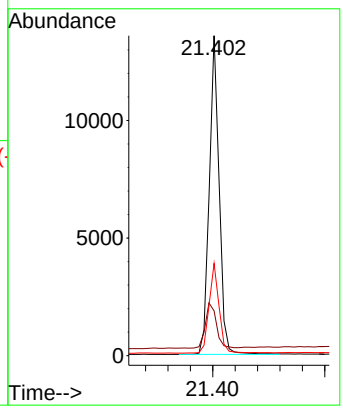


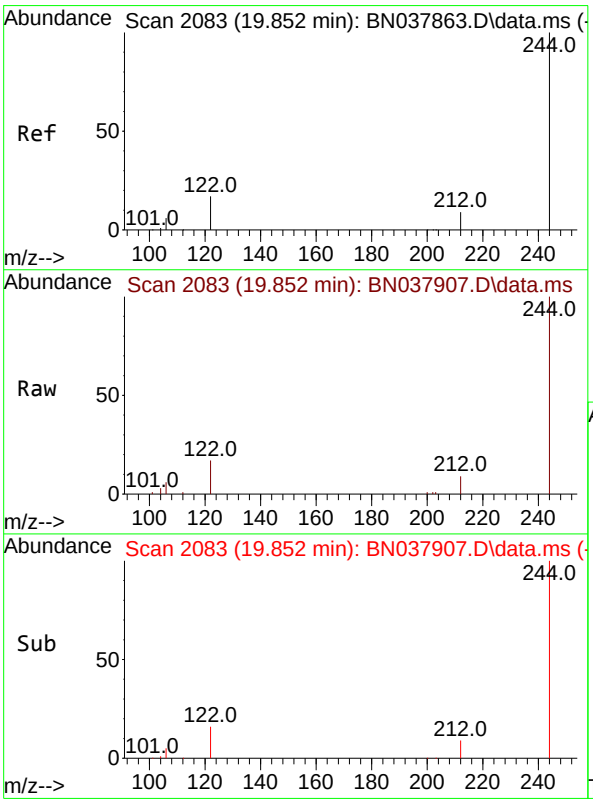
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.402 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037907.D
Acq: 26 Sep 2025 02:52

Instrument :
BNA_N
ClientSampleId :
TT149l1-20250918

Tgt Ion:240 Resp: 16550

Ion	Ratio	Lower	Upper
240	100		
120	14.0	11.4	17.2
236	28.9	23.0	34.6

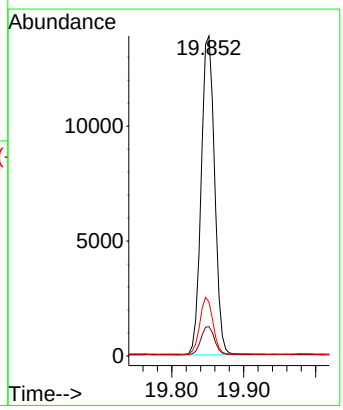


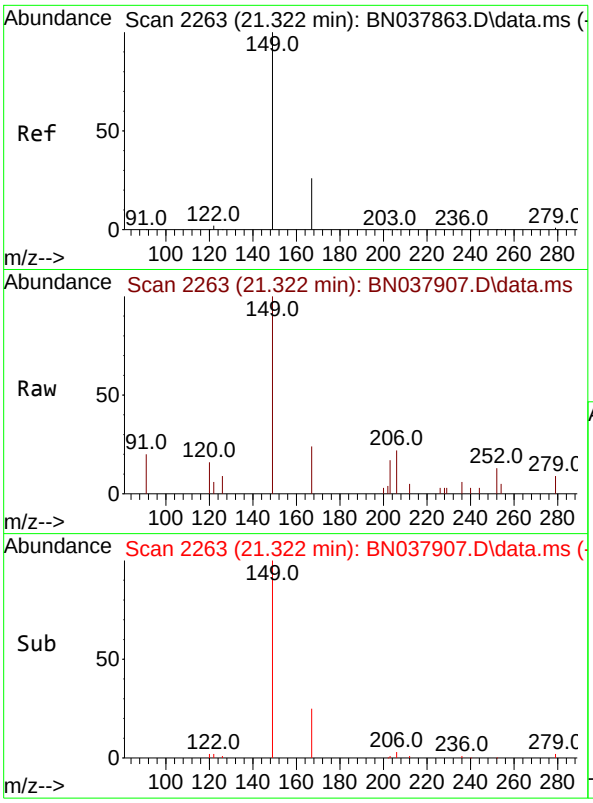


#31
Terphenyl-d14
Concen: 0.546 ng
RT: 19.852 min Scan# 2083
Delta R.T. -0.000 min
Lab File: BN037907.D
Acq: 26 Sep 2025 02:52

Tgt Ion:244 Resp: 17990

Ion	Ratio	Lower	Upper
244	100		
212	9.1	7.6	11.4
122	16.8	13.9	20.9



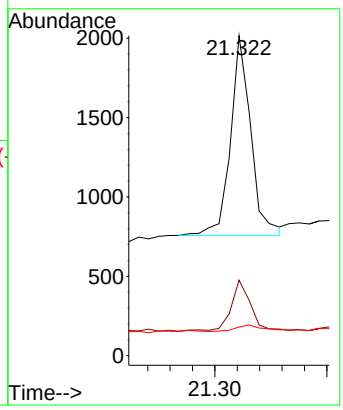


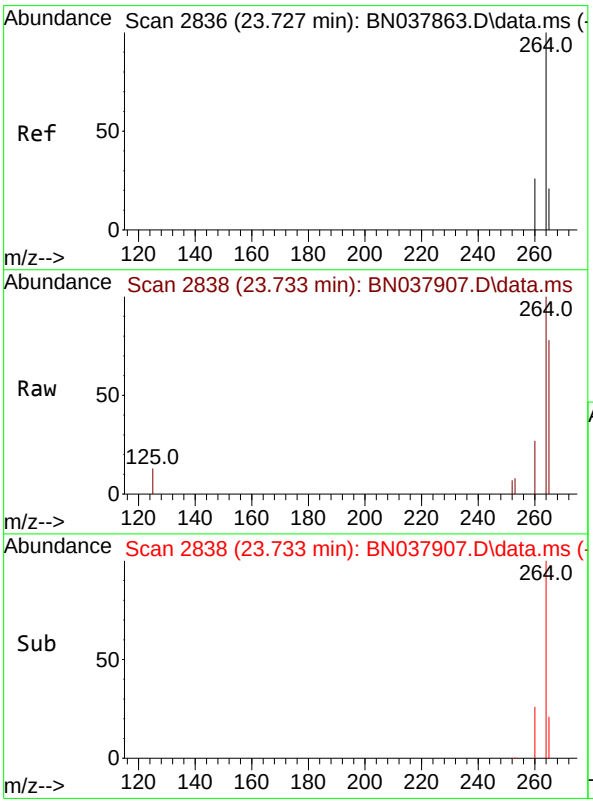
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.069 ng
RT: 21.322 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037907.D
Acq: 26 Sep 2025 02:52

Instrument :
BNA_N
ClientSampleId :
TT149I1-20250918

Tgt Ion:149 Resp: 1585

Ion	Ratio	Lower	Upper
149	100		
167	24.9	20.4	30.6
279	4.8	2.4	3.6#

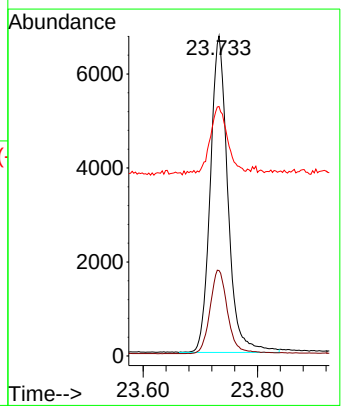




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.733 min Scan# 2838
Delta R.T. 0.006 min
Lab File: BN037907.D
Acq: 26 Sep 2025 02:52

Tgt Ion:264 Resp: 14300

Ion	Ratio	Lower	Upper
264	100		
260	26.7	21.5	32.3
265	77.9	53.8	80.6



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:	09/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/19/25
Client Sample ID:	RE132D3-20250918	SDG No.:	Q3156
Lab Sample ID:	Q3156-09	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037908.D	1	09/23/25 09:15	09/26/25 03:29	PB169794

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	4.50		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	0.45		30 - 150		111%	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		88%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.51		58 - 132		127%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6760	7.818				
1146-65-2	Naphthalene-d8	19000	10.626				
15067-26-2	Acenaphthene-d10	9870	14.473				
1517-22-2	Phenanthrene-d10	20300	17.223				
1719-03-5	Chrysene-d12	16800	21.402				
1520-96-3	Perylene-d12	15300	23.73				

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\BN092525\
Data File : BN037908.D
Acq On : 26 Sep 2025 03:29
Operator : RC/JU
Sample : Q3156-09
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE132D3-20250918

Quant Time: Sep 26 07:38:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration

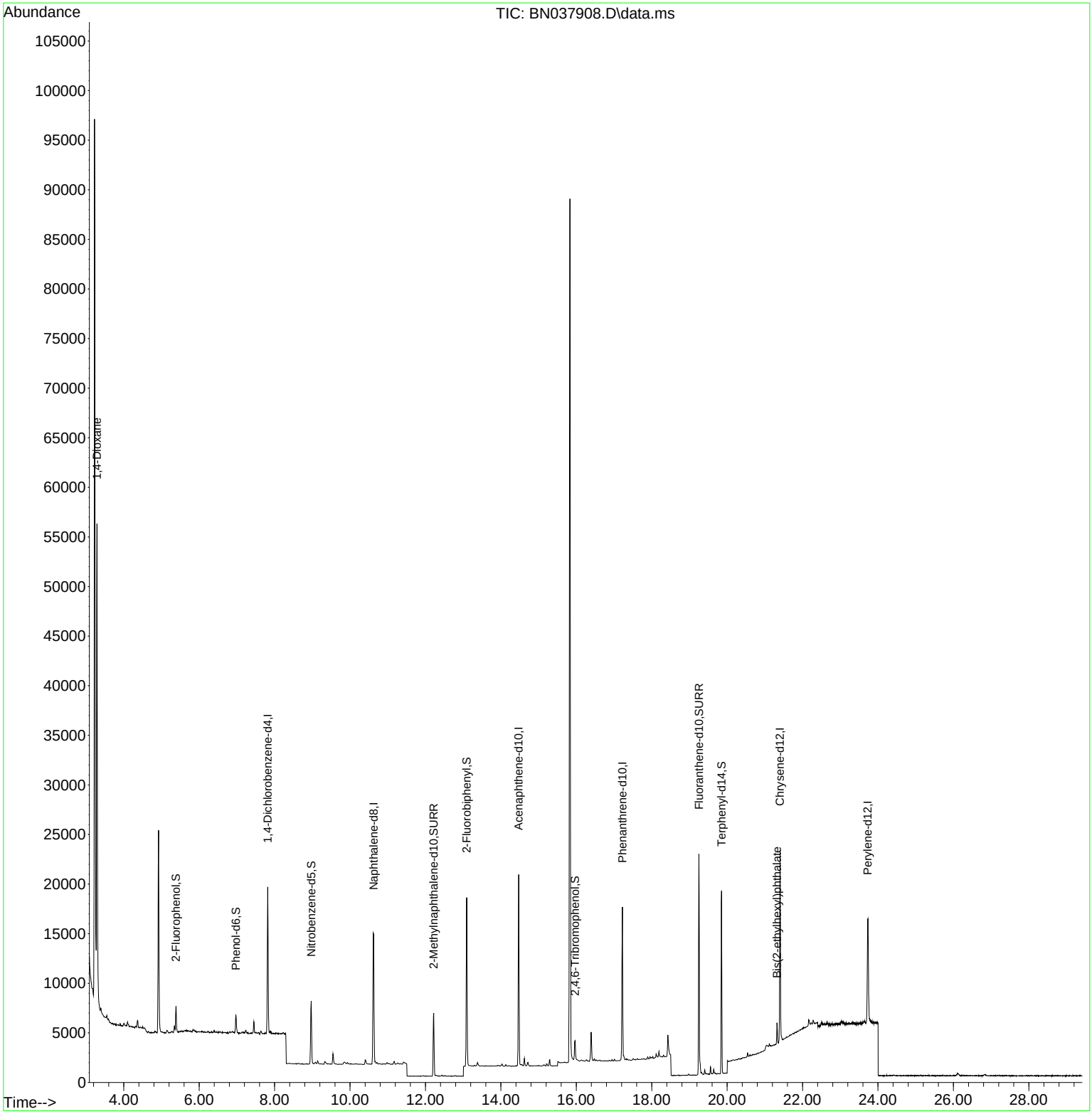
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.818	152	6764	0.400	ng		0.00
7) Naphthalene-d8	10.626	136	19035	0.400	ng		0.00
13) Acenaphthene-d10	14.473	164	9869	0.400	ng		0.00
19) Phenanthrene-d10	17.223	188	20274	0.400	ng		0.00
29) Chrysene-d12	21.402	240	16818	0.400	ng		0.00
35) Perylene-d12	23.730	264	15301	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.384	112	2068	0.134	ng		0.00
5) Phenol-d6	6.973	99	1638	0.081	ng		0.00
8) Nitrobenzene-d5	8.971	82	5258	0.362	ng		0.00
11) 2-Methylnaphthalene-d10	12.217	152	8525	0.322	ng		0.00
14) 2,4,6-Tribromophenol	15.969	330	1296	0.346	ng		0.00
15) 2-Fluorobiphenyl	13.094	172	14180	0.351	ng		0.00
27) Fluoranthene-d10	19.252	212	22717	0.445	ng		0.00
31) Terphenyl-d14	19.852	244	17100	0.510	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.290	88	31149	4.536	ng		99
34) Bis(2-ethylhexyl)phtha...	21.322	149	1987	0.085	ng	#	99

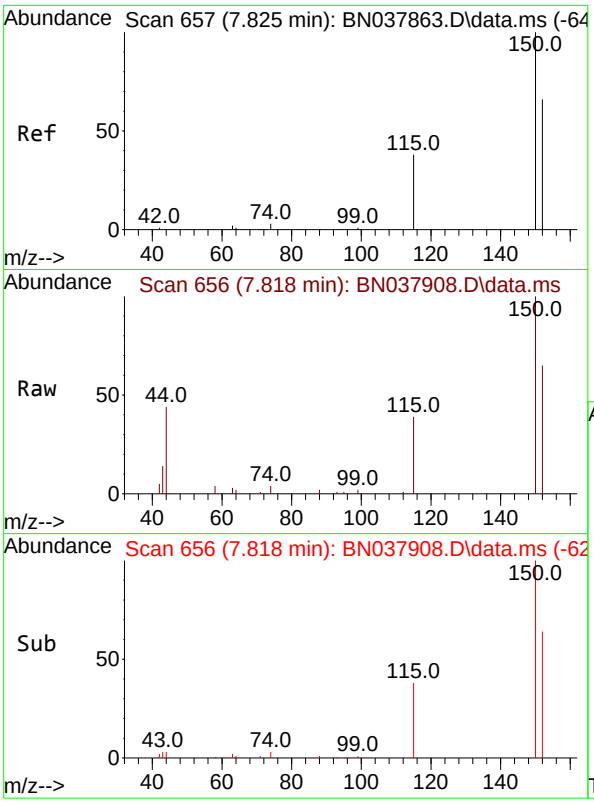
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092525\
Data File : BN037908.D
Acq On : 26 Sep 2025 03:29
Operator : RC/JU
Sample : Q3156-09
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE132D3-20250918

Quant Time: Sep 26 07:38:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration



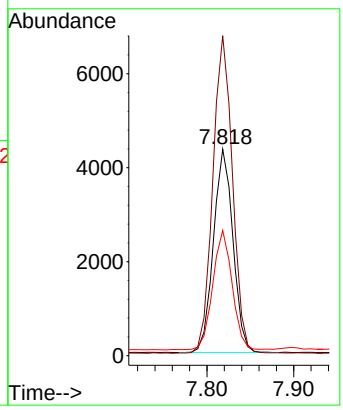


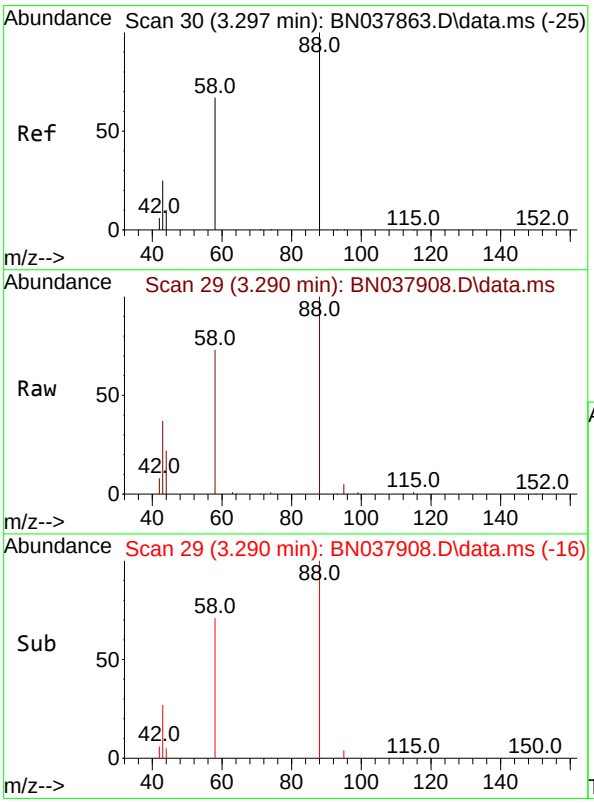
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.818 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN037908.D
Acq: 26 Sep 2025 03:29

Instrument :
BNA_N
ClientSampleId :
RE132D3-20250918

Tgt Ion:152 Resp: 6764

Ion	Ratio	Lower	Upper
152	100		
150	154.9	121.0	181.4
115	60.6	47.4	71.0

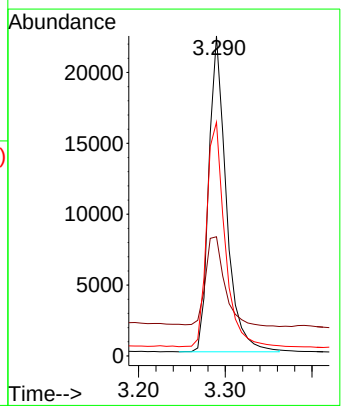


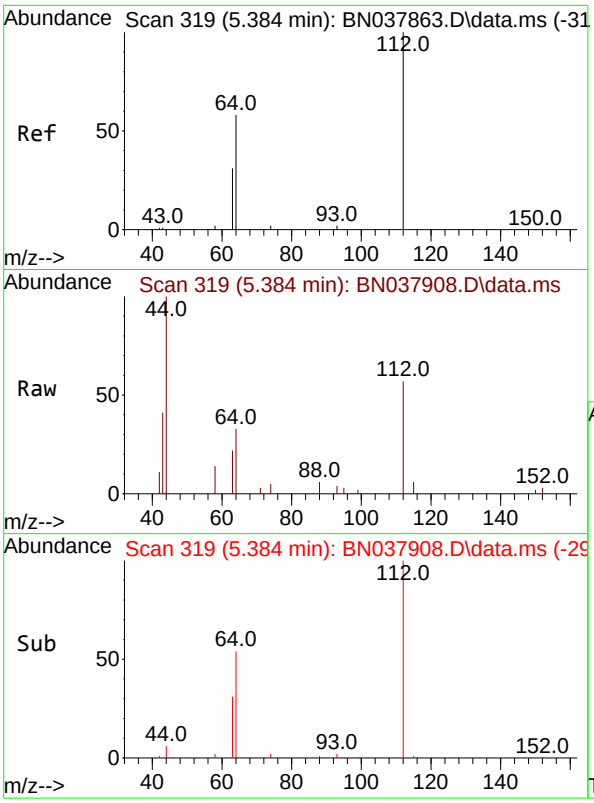


#2
1,4-Dioxane
Concen: 4.536 ng
RT: 3.290 min Scan# 29
Delta R.T. -0.007 min
Lab File: BN037908.D
Acq: 26 Sep 2025 03:29

Tgt Ion: 88 Resp: 31149

Ion	Ratio	Lower	Upper
88	100		
43	31.6	26.6	39.8
58	74.3	58.9	88.3



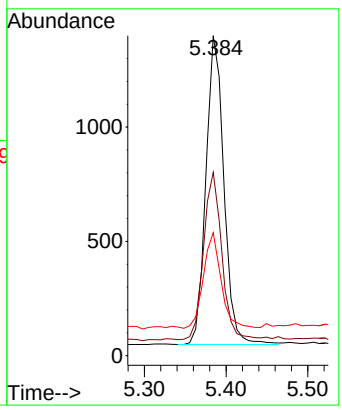


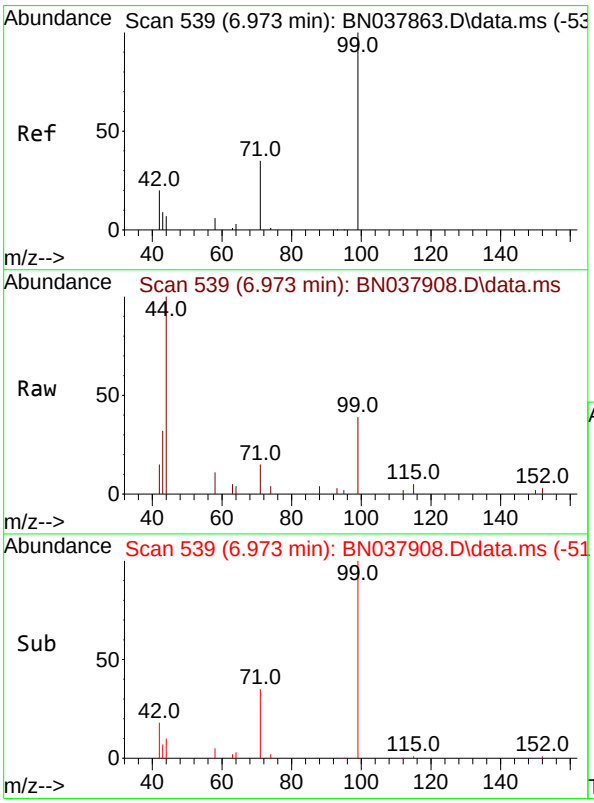
#4
2-Fluorophenol
Concen: 0.134 ng
RT: 5.384 min Scan# 31
Delta R.T. -0.000 min
Lab File: BN037908.D
Acq: 26 Sep 2025 03:29

Instrument :
BNA_N
ClientSampleId :
RE132D3-20250918

Tgt Ion:112 Resp: 2068

Ion	Ratio	Lower	Upper
112	100		
64	54.9	44.6	66.8
63	30.5	24.9	37.3

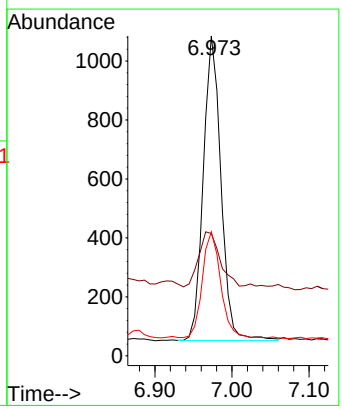


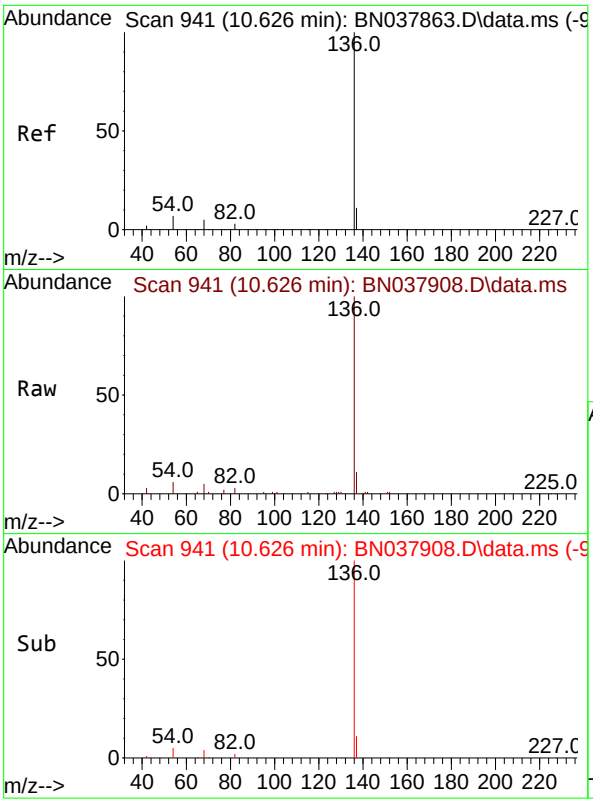


#5
Phenol-d6
Concen: 0.081 ng
RT: 6.973 min Scan# 539
Delta R.T. -0.000 min
Lab File: BN037908.D
Acq: 26 Sep 2025 03:29

Tgt Ion: 99 Resp: 1638

Ion	Ratio	Lower	Upper
99	100		
42	21.6	17.2	25.8
71	36.3	27.3	40.9



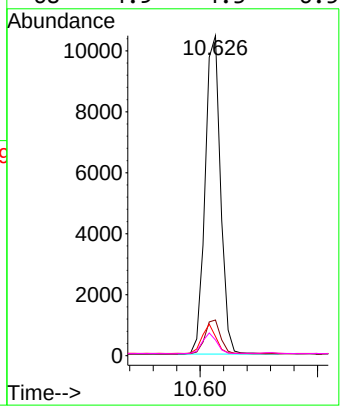


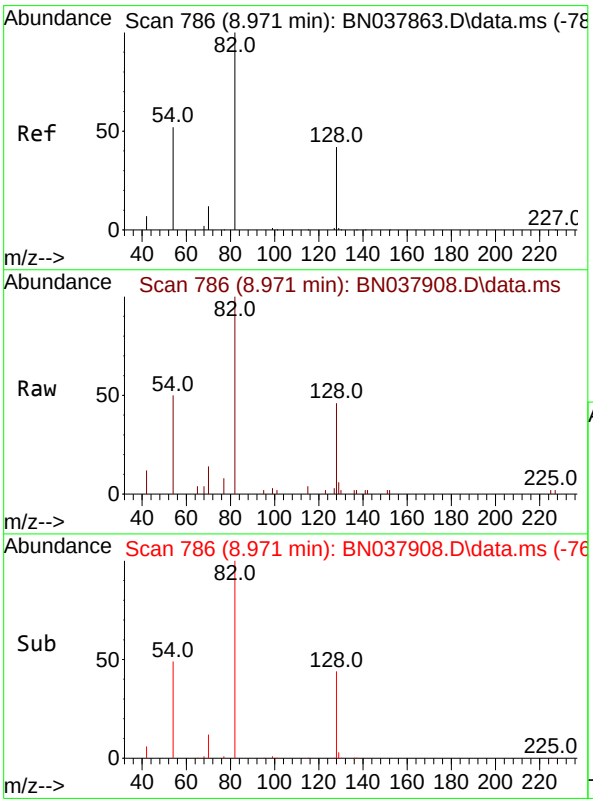
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.626 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN037908.D
Acq: 26 Sep 2025 03:29

Instrument :
BNA_N
ClientSampleId :
RE132D3-20250918

Tgt Ion:136 Resp: 19035

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	6.0	5.8	8.8
68	4.9	4.3	6.5

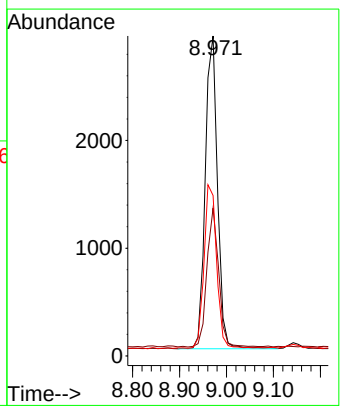


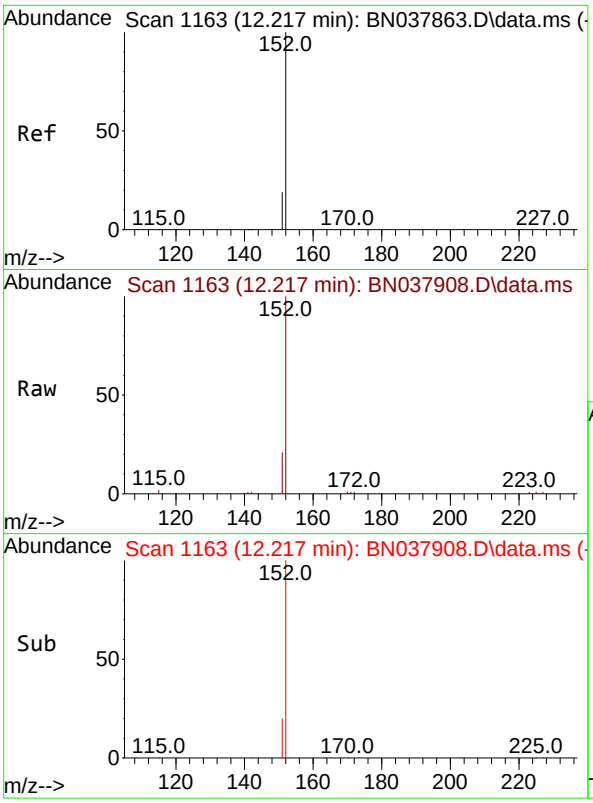


#8
Nitrobenzene-d5
Concen: 0.362 ng
RT: 8.971 min Scan# 786
Delta R.T. -0.000 min
Lab File: BN037908.D
Acq: 26 Sep 2025 03:29

Tgt Ion: 82 Resp: 5258

Ion	Ratio	Lower	Upper
82	100		
128	46.2	34.8	52.2
54	50.1	42.2	63.2



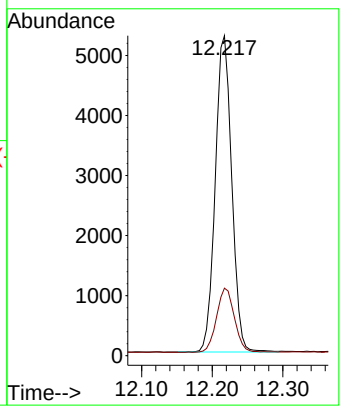


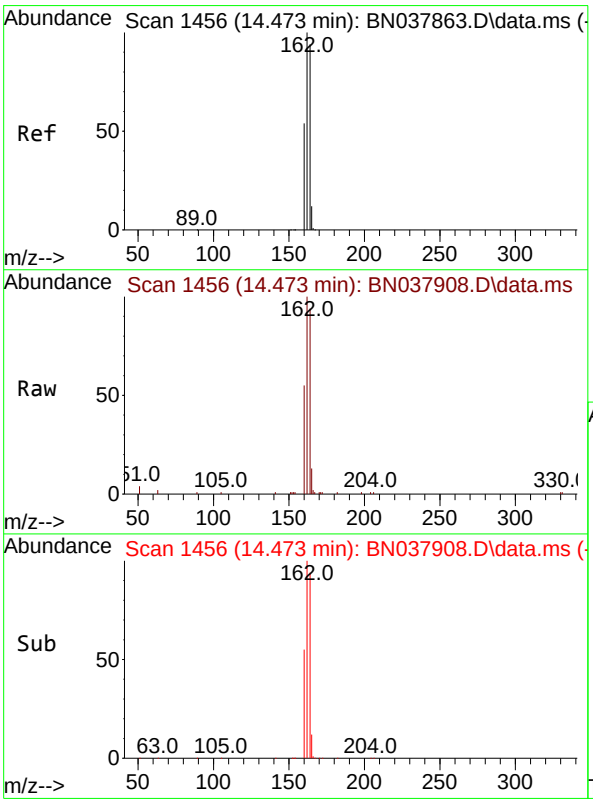
#11
2-Methylnaphthalene-d10
Concen: 0.322 ng
RT: 12.217 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN037908.D
Acq: 26 Sep 2025 03:29

Instrument :
BNA_N
ClientSampleId :
RE132D3-20250918

Tgt Ion:152 Resp: 8525

Ion	Ratio	Lower	Upper
152	100		
151	22.1	17.4	26.2

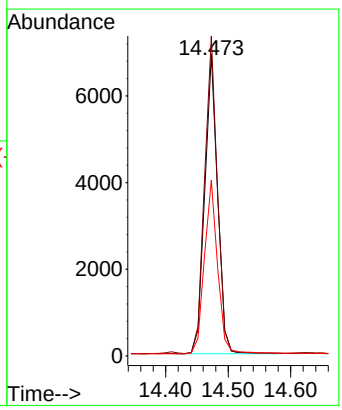


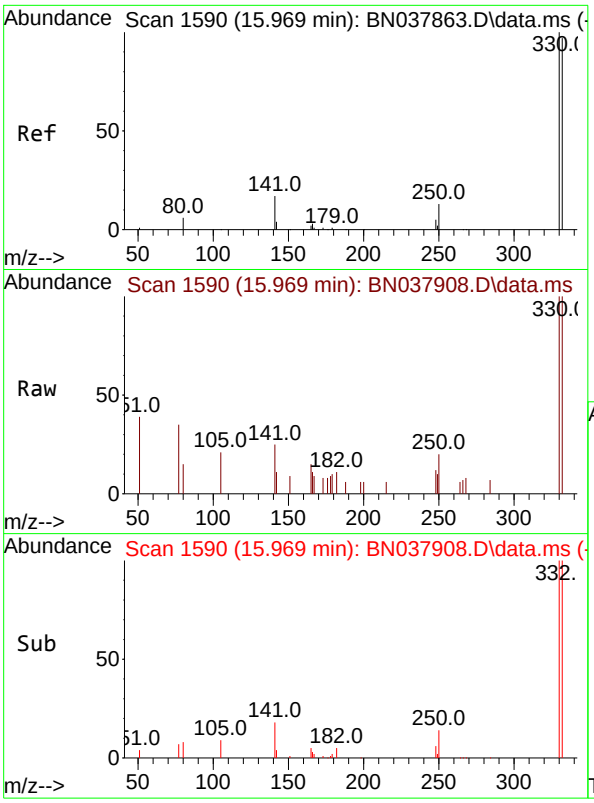


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.473 min Scan# 1456
Delta R.T. -0.000 min
Lab File: BN037908.D
Acq: 26 Sep 2025 03:29

Tgt Ion:164 Resp: 9869

Ion	Ratio	Lower	Upper
164	100		
162	105.9	84.8	127.2
160	58.2	46.1	69.1



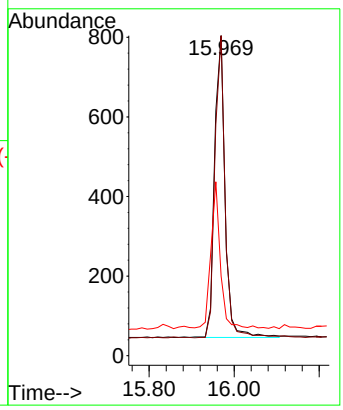


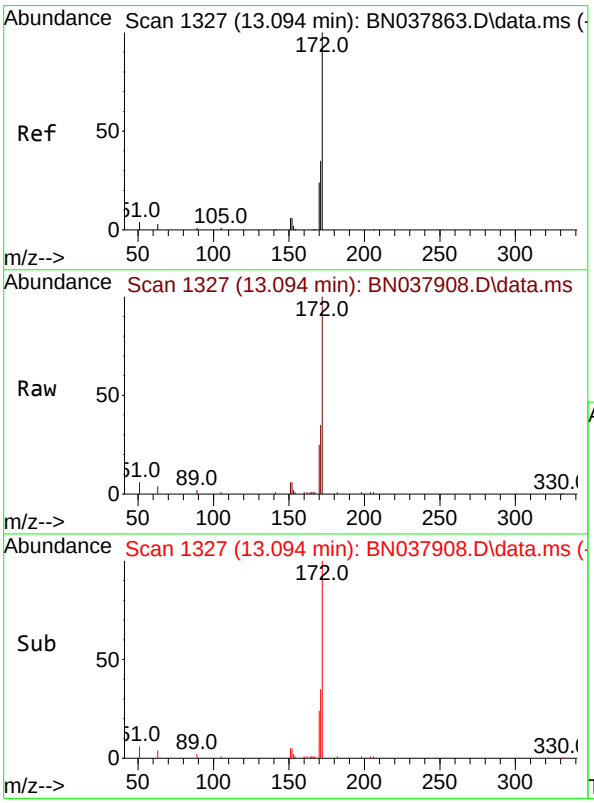
#14
2,4,6-Tribromophenol
Concen: 0.346 ng
RT: 15.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037908.D
Acq: 26 Sep 2025 03:29

Instrument :
BNA_N
ClientSampleId :
RE132D3-20250918

Tgt Ion:330 Resp: 1296

Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.2	115.8
141	42.8	37.2	55.8

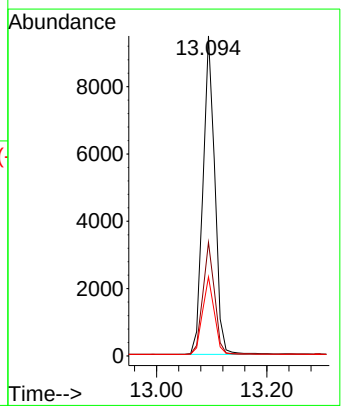


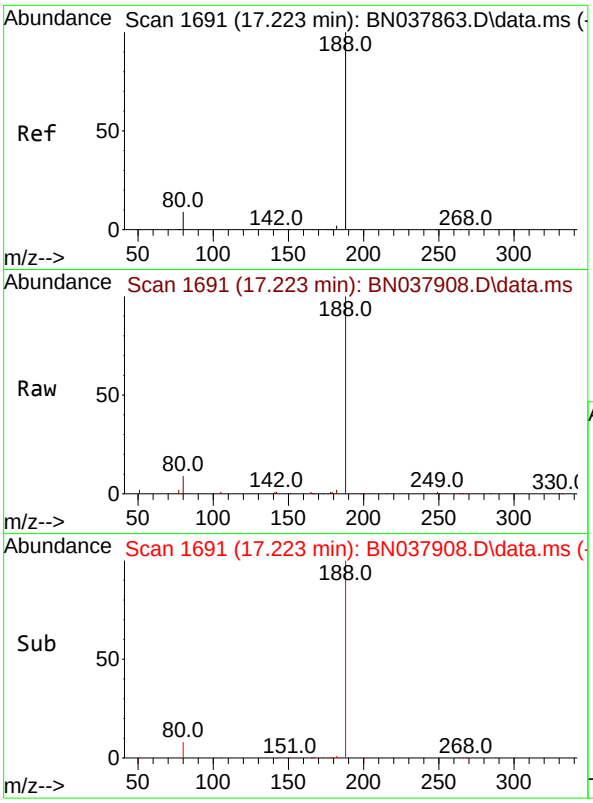


#15
2-Fluorobiphenyl
Concen: 0.351 ng
RT: 13.094 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BN037908.D
Acq: 26 Sep 2025 03:29

Tgt Ion:172 Resp: 14180

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.6	43.0
170	24.7	19.7	29.5



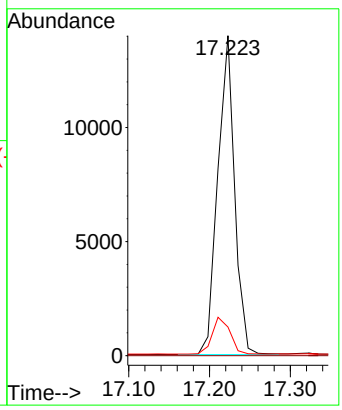


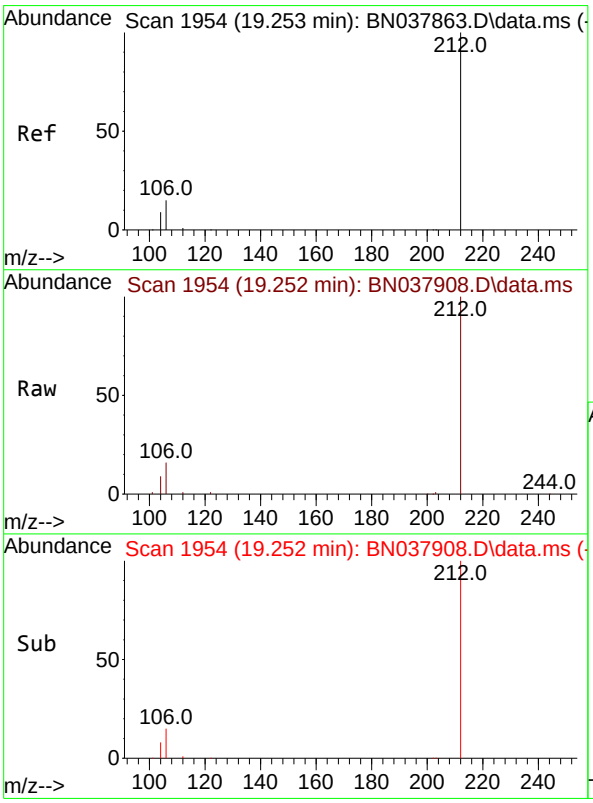
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.223 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037908.D
Acq: 26 Sep 2025 03:29

Instrument :
BNA_N
ClientSampleId :
RE132D3-20250918

Tgt Ion:188 Resp: 20274

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.9	7.6	11.4

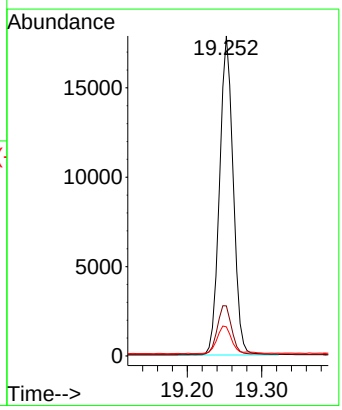


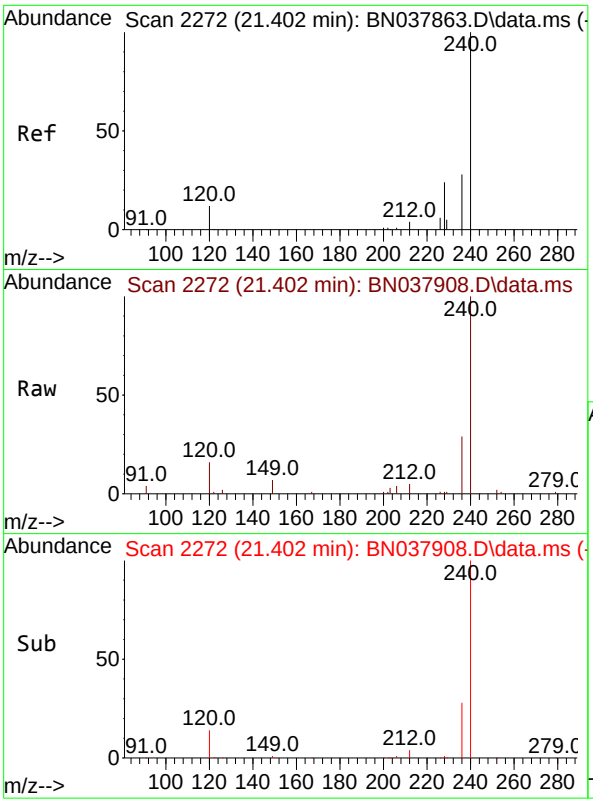


#27
Fluoranthene-d10
Concen: 0.445 ng
RT: 19.252 min Scan# 1954
Delta R.T. -0.000 min
Lab File: BN037908.D
Acq: 26 Sep 2025 03:29

Tgt Ion:212 Resp: 22717

Ion	Ratio	Lower	Upper
212	100		
106	16.4	12.6	19.0
104	9.0	7.4	11.0



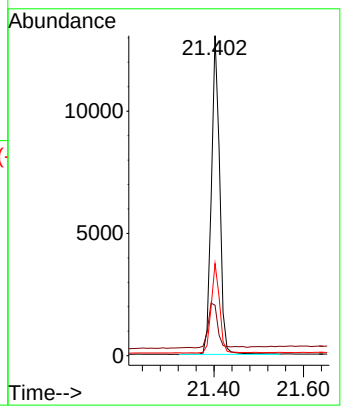


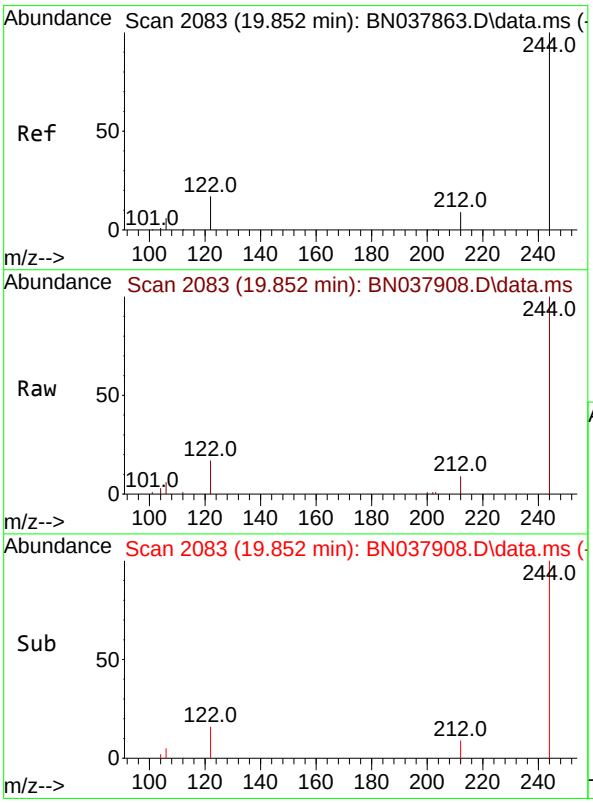
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.402 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037908.D
Acq: 26 Sep 2025 03:29

Instrument :
BNA_N
ClientSampleId :
RE132D3-20250918

Tgt Ion:240 Resp: 16818

Ion	Ratio	Lower	Upper
240	100		
120	15.7	11.4	17.2
236	28.8	23.0	34.6

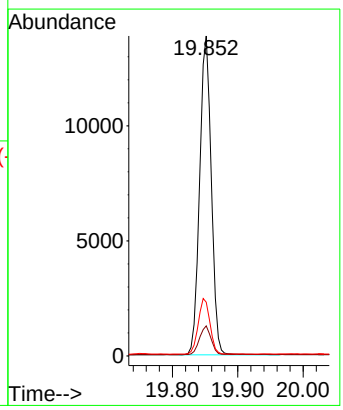


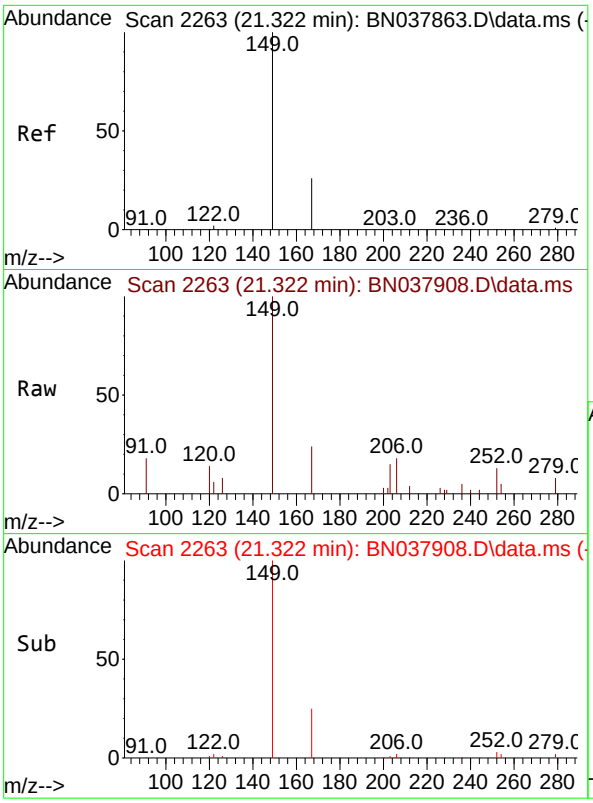


#31
Terphenyl-d14
Concen: 0.510 ng
RT: 19.852 min Scan# 2083
Delta R.T. -0.000 min
Lab File: BN037908.D
Acq: 26 Sep 2025 03:29

Tgt Ion:244 Resp: 17100

Ion	Ratio	Lower	Upper
244	100		
212	9.4	7.6	11.4
122	16.8	13.9	20.9



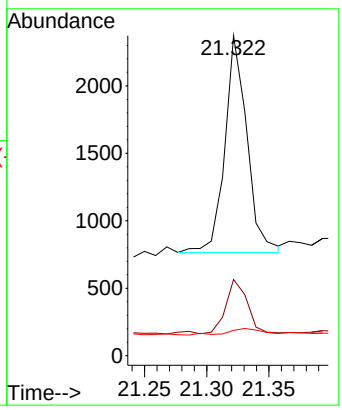


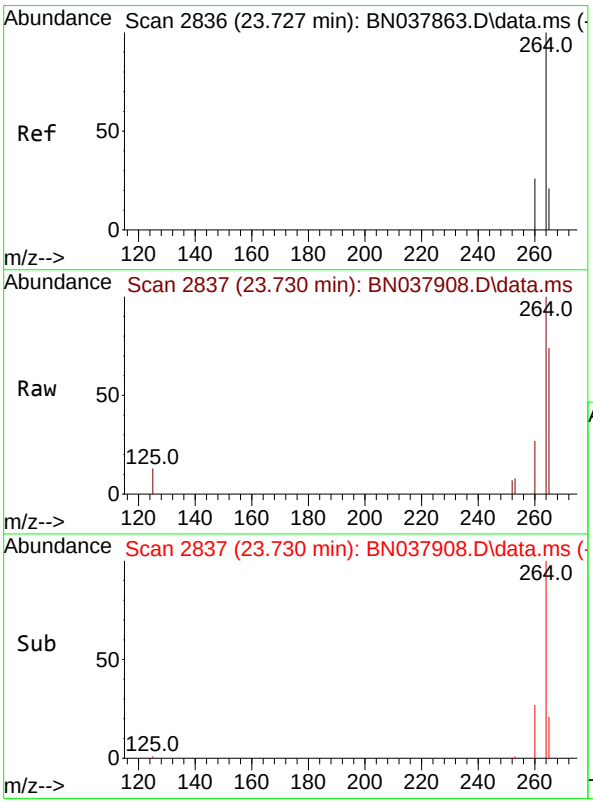
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.085 ng
RT: 21.322 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037908.D
Acq: 26 Sep 2025 03:29

Instrument :
BNA_N
ClientSampleId :
RE132D3-20250918

Tgt Ion:149 Resp: 1987

Ion	Ratio	Lower	Upper
149	100		
167	25.7	20.4	30.6
279	4.8	2.4	3.6#

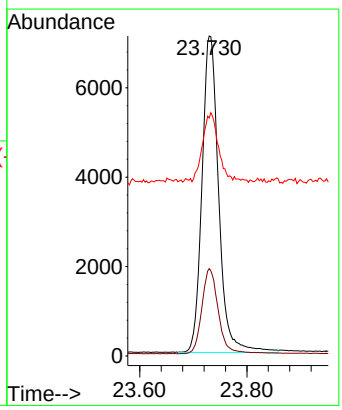




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.730 min Scan# 2837
Delta R.T. 0.003 min
Lab File: BN037908.D
Acq: 26 Sep 2025 03:29

Tgt Ion:264 Resp: 15301

Ion	Ratio	Lower	Upper
264	100		
260	27.3	21.5	32.3
265	74.4	53.8	80.6



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:	09/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/19/25
Client Sample ID:	TT180D1-20250918	SDG No.:	Q3156
Lab Sample ID:	Q3156-10	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
BN037909.D	1	09/23/25 09:15	09/26/25 04:05	PB169794

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	3.60		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	0.43		30 - 150		108%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.35		55 - 111		87%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.34		53 - 106		85%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.51		58 - 132		127%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6640	7.818				
1146-65-2	Naphthalene-d8	20400	10.626				
15067-26-2	Acenaphthene-d10	10500	14.473				
1517-22-2	Phenanthrene-d10	21400	17.223				
1719-03-5	Chrysene-d12	17400	21.402				
1520-96-3	Perylene-d12	14900	23.73				

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\BN092525\
Data File : BN037909.D
Acq On : 26 Sep 2025 04:05
Operator : RC/JU
Sample : Q3156-10
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
TT180D1-20250918

Quant Time: Sep 26 07:39:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration

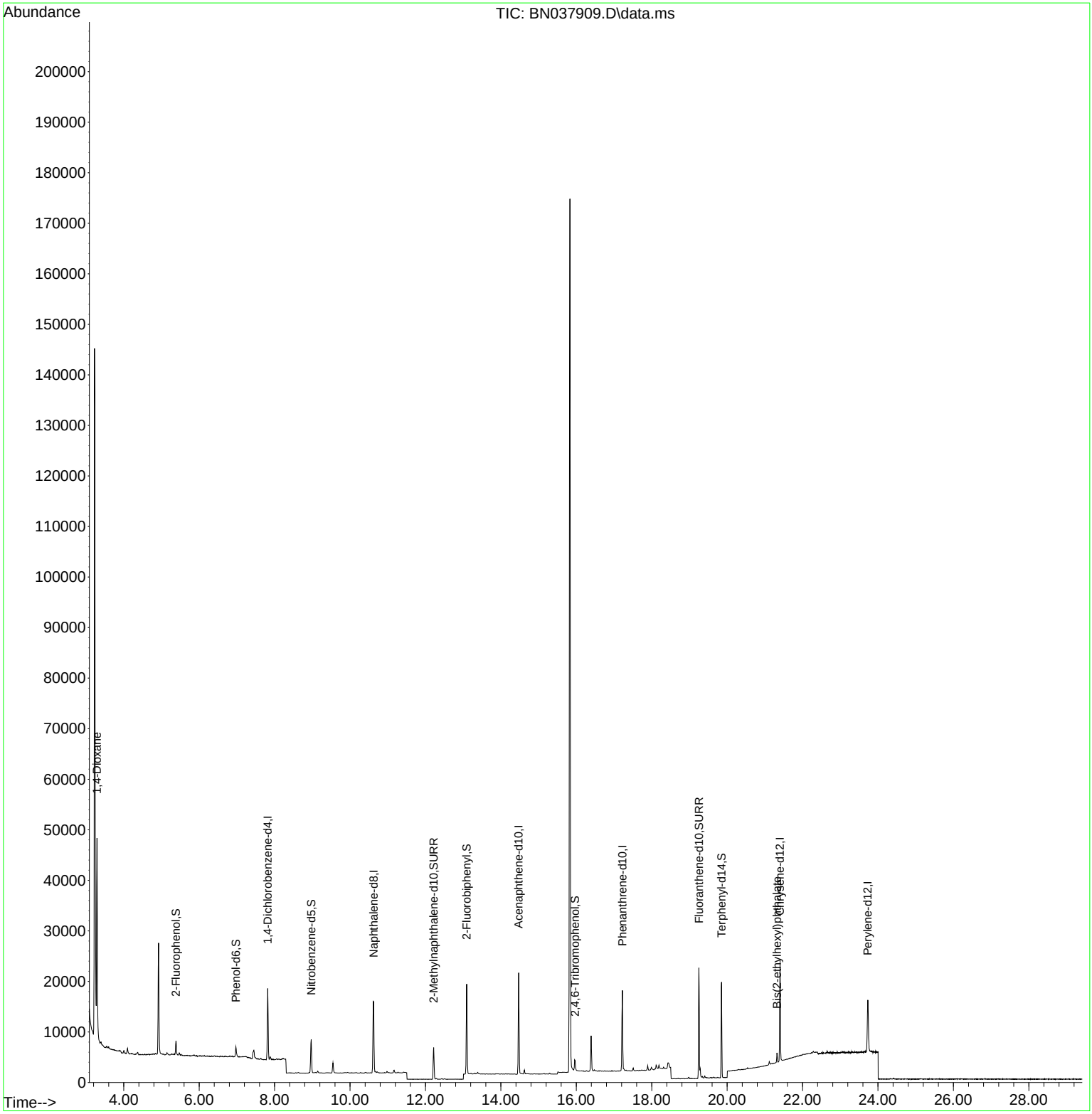
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.818	152	6637	0.400	ng	0.00
7) Naphthalene-d8	10.626	136	20394	0.400	ng	0.00
13) Acenaphthene-d10	14.473	164	10463	0.400	ng	0.00
19) Phenanthrene-d10	17.223	188	21440	0.400	ng	0.00
29) Chrysene-d12	21.402	240	17437	0.400	ng	0.00
35) Perylene-d12	23.730	264	14914	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.384	112	2284	0.151	ng	0.00
5) Phenol-d6	6.973	99	1707	0.086	ng	0.00
8) Nitrobenzene-d5	8.971	82	5408	0.348	ng	0.00
11) 2-Methylnaphthalene-d10	12.217	152	8532	0.301	ng	0.00
14) 2,4,6-Tribromophenol	15.969	330	1351	0.341	ng	0.00
15) 2-Fluorobiphenyl	13.094	172	14527	0.339	ng	0.00
27) Fluoranthene-d10	19.252	212	23314	0.432	ng	0.00
31) Terphenyl-d14	19.852	244	17644	0.508	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.290	88	23927	3.551	ng	100
34) Bis(2-ethylhexyl)phtha...	21.322	149	1752	0.073	ng	# 95

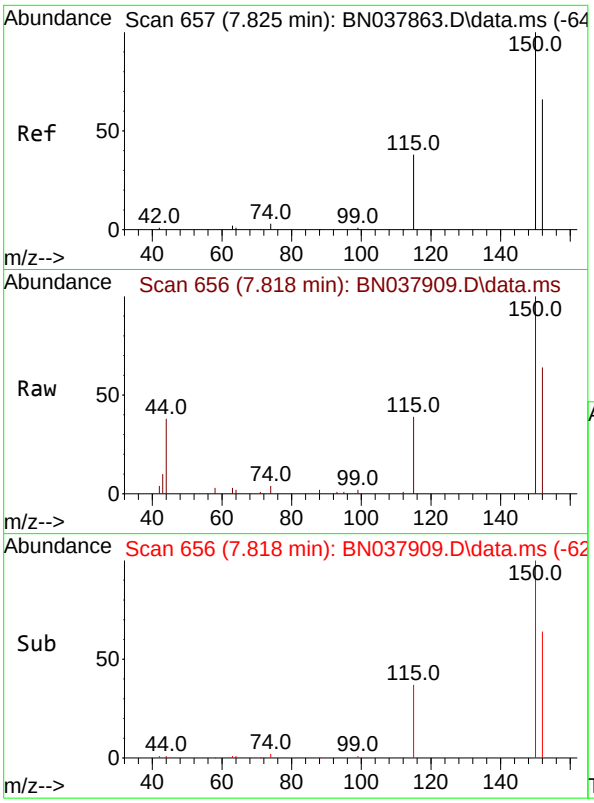
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092525\
Data File : BN037909.D
Acq On : 26 Sep 2025 04:05
Operator : RC/JU
Sample : Q3156-10
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
TT180D1-20250918

Quant Time: Sep 26 07:39:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration



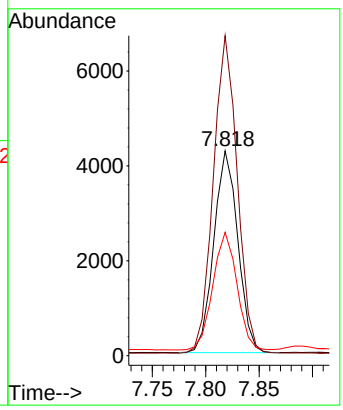


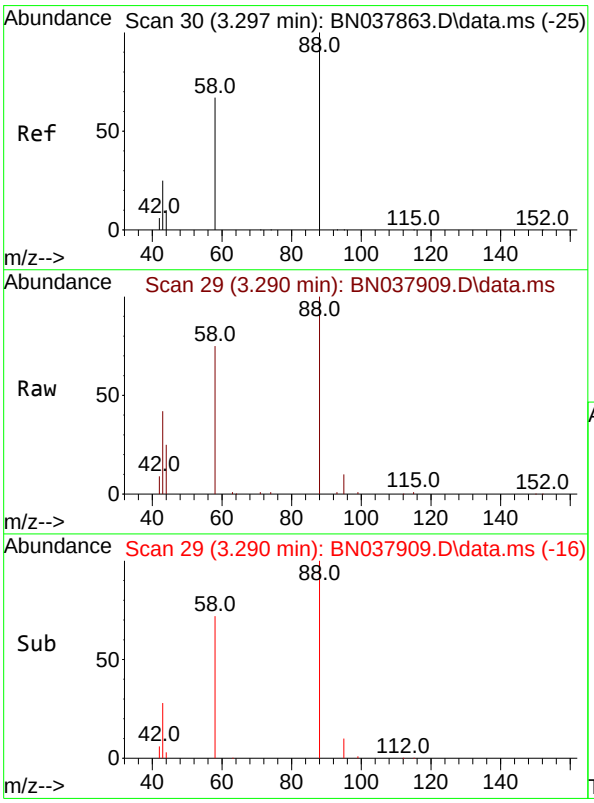
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.818 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN037909.D
Acq: 26 Sep 2025 04:05

Instrument :
BNA_N
ClientSampleId :
TT180D1-20250918

Tgt Ion:152 Resp: 6637

Ion	Ratio	Lower	Upper
152	100		
150	156.2	121.0	181.4
115	60.2	47.4	71.0

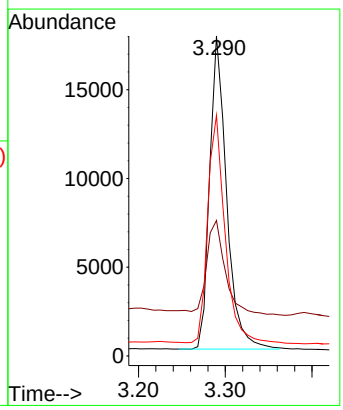


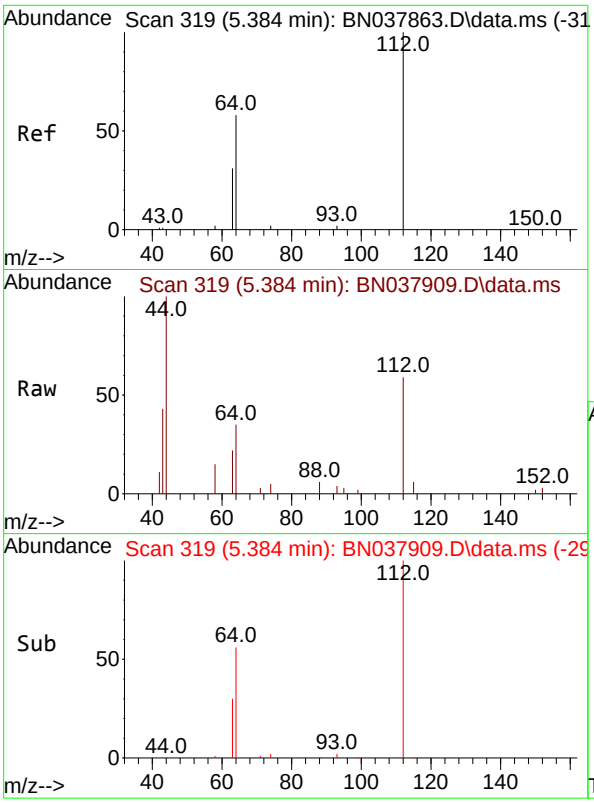


#2
1,4-Dioxane
Concen: 3.551 ng
RT: 3.290 min Scan# 29
Delta R.T. -0.007 min
Lab File: BN037909.D
Acq: 26 Sep 2025 04:05

Tgt Ion: 88 Resp: 23927

Ion	Ratio	Lower	Upper
88	100		
43	33.1	26.6	39.8
58	73.7	58.9	88.3



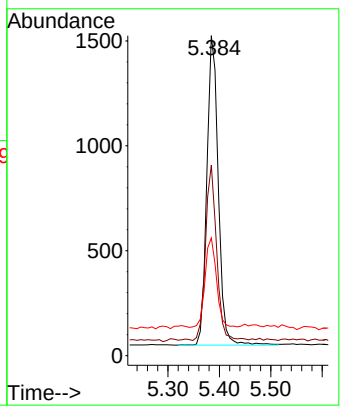


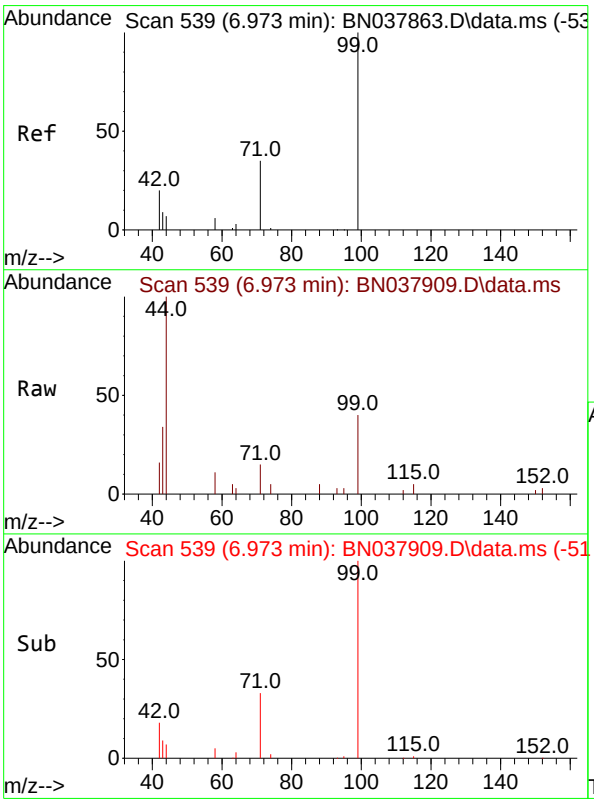
#4
2-Fluorophenol
Concen: 0.151 ng
RT: 5.384 min Scan# 31
Delta R.T. -0.000 min
Lab File: BN037909.D
Acq: 26 Sep 2025 04:05

Instrument :
BNA_N
ClientSampleId :
TT180D1-20250918

Tgt Ion:112 Resp: 2284

Ion	Ratio	Lower	Upper
112	100		
64	55.1	44.6	66.8
63	29.1	24.9	37.3

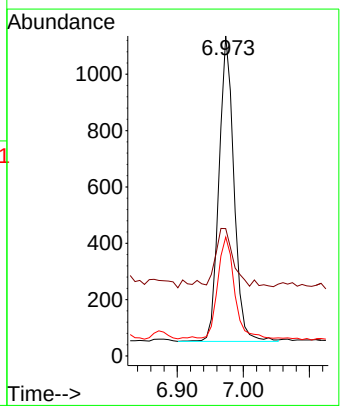


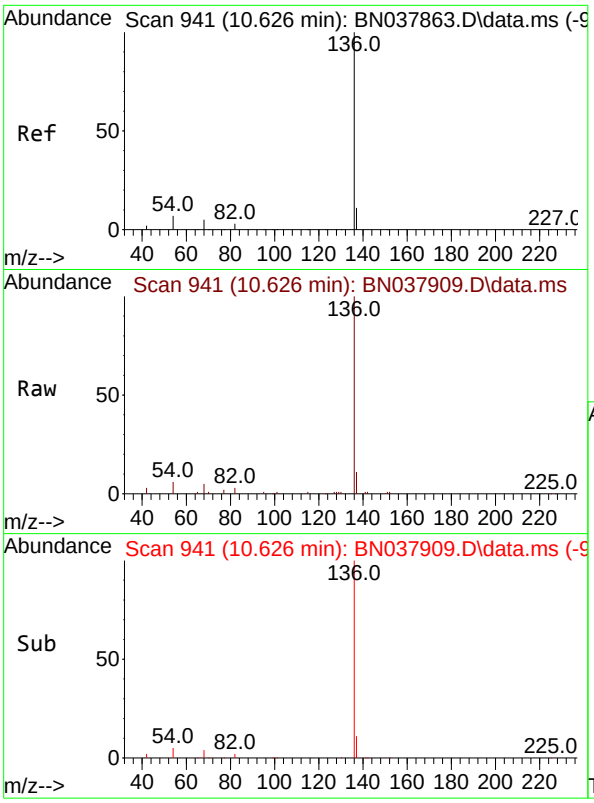


#5
Phenol-d6
Concen: 0.086 ng
RT: 6.973 min Scan# 539
Delta R.T. -0.000 min
Lab File: BN037909.D
Acq: 26 Sep 2025 04:05

Tgt Ion: 99 Resp: 1707

Ion	Ratio	Lower	Upper
99	100		
42	21.3	17.2	25.8
71	36.7	27.3	40.9



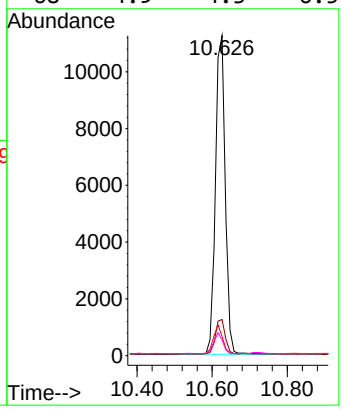


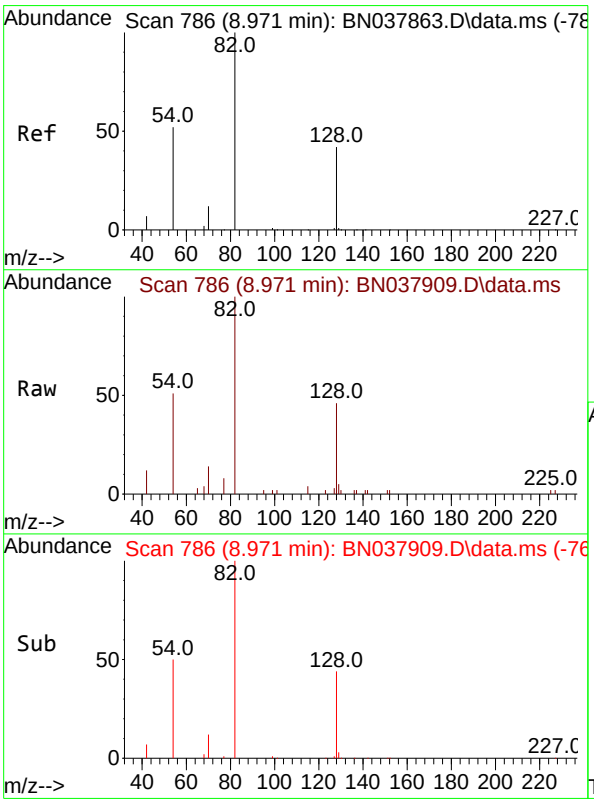
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.626 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN037909.D
Acq: 26 Sep 2025 04:05

Instrument :
BNA_N
ClientSampleId :
TT180D1-20250918

Tgt Ion:136 Resp: 20394

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.4
54	6.0	5.8	8.8
68	4.9	4.3	6.5

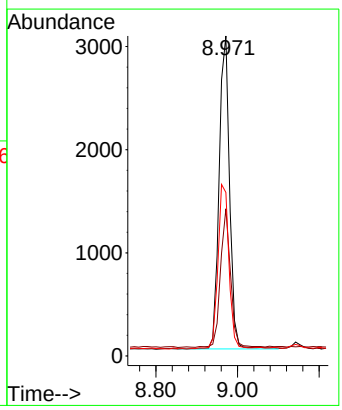


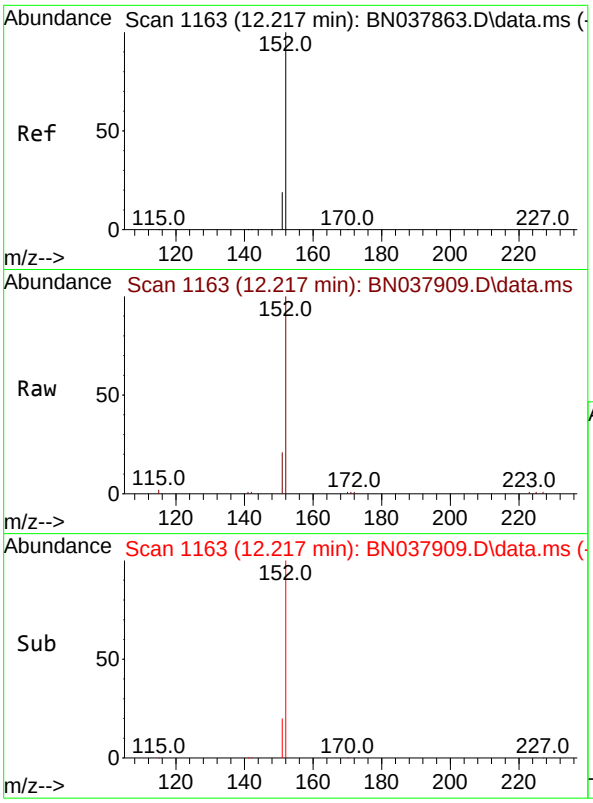


#8
Nitrobenzene-d5
Concen: 0.348 ng
RT: 8.971 min Scan# 786
Delta R.T. -0.000 min
Lab File: BN037909.D
Acq: 26 Sep 2025 04:05

Tgt Ion: 82 Resp: 5408

Ion	Ratio	Lower	Upper
82	100		
128	46.0	34.8	52.2
54	51.1	42.2	63.2



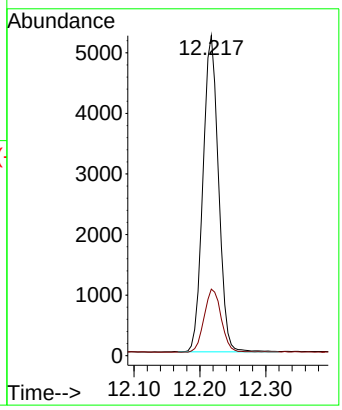


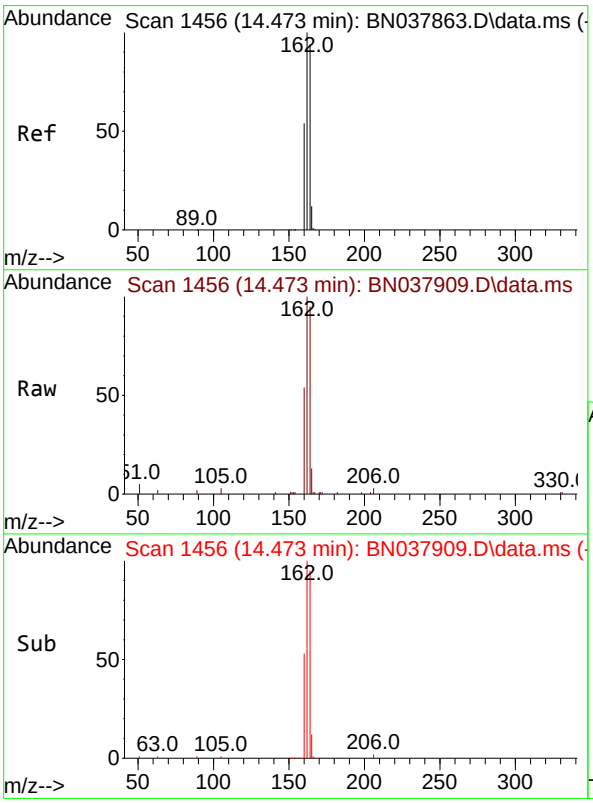
#11
2-Methylnaphthalene-d10
Concen: 0.301 ng
RT: 12.217 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN037909.D
Acq: 26 Sep 2025 04:05

Instrument :
BNA_N
ClientSampleId :
TT180D1-20250918

Tgt Ion:152 Resp: 8532

Ion	Ratio	Lower	Upper
152	100		
151	21.9	17.4	26.2

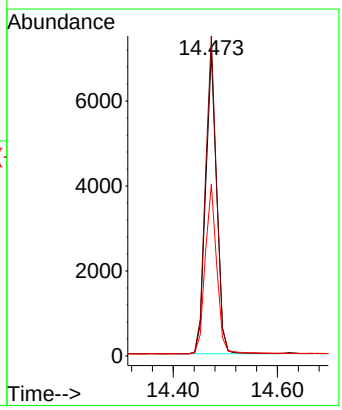


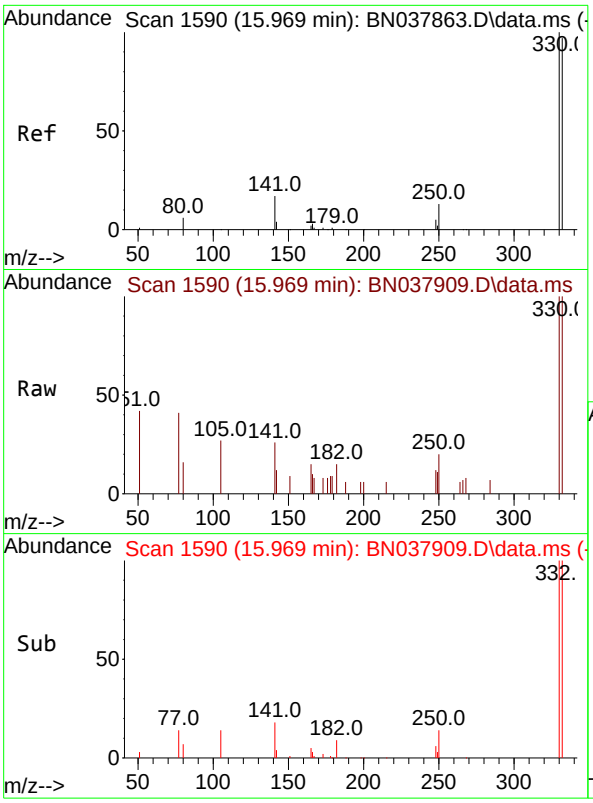


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.473 min Scan# 1456
Delta R.T. -0.000 min
Lab File: BN037909.D
Acq: 26 Sep 2025 04:05

Tgt Ion:164 Resp: 10463

Ion	Ratio	Lower	Upper
164	100		
162	105.4	84.8	127.2
160	56.5	46.1	69.1



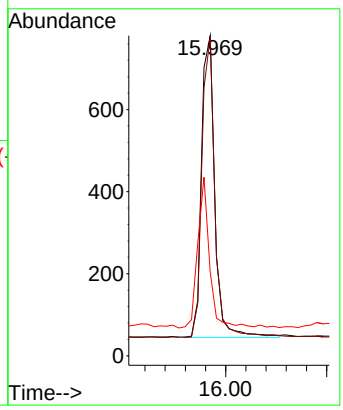


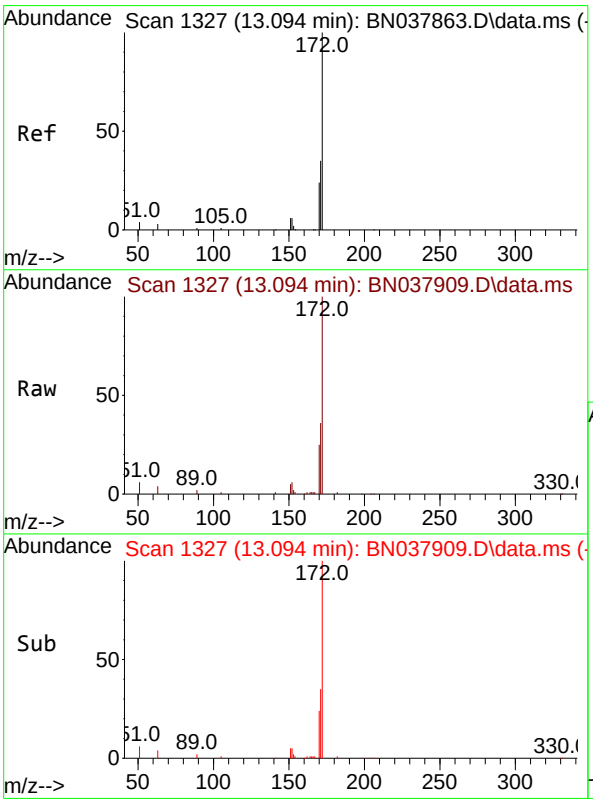
#14
2,4,6-Tribromophenol
Concen: 0.341 ng
RT: 15.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037909.D
Acq: 26 Sep 2025 04:05

Instrument :
BNA_N
ClientSampleId :
TT180D1-20250918

Tgt Ion:330 Resp: 1351

Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.2	115.8
141	44.3	37.2	55.8

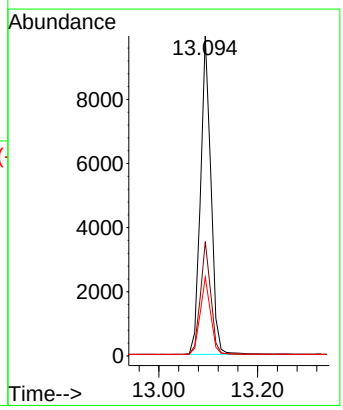


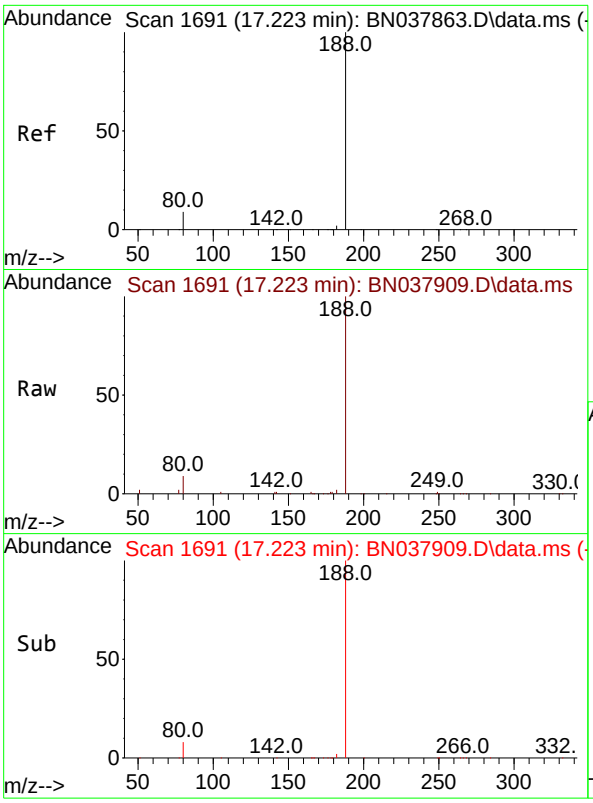


#15
2-Fluorobiphenyl
Concen: 0.339 ng
RT: 13.094 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BN037909.D
Acq: 26 Sep 2025 04:05

Tgt Ion:172 Resp: 14527

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.6	43.0
170	24.6	19.7	29.5



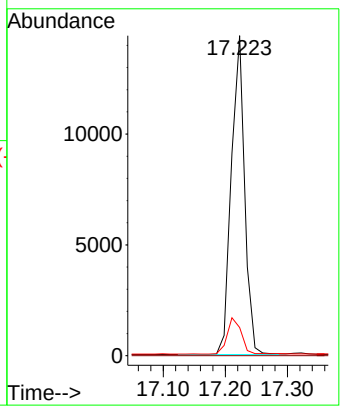


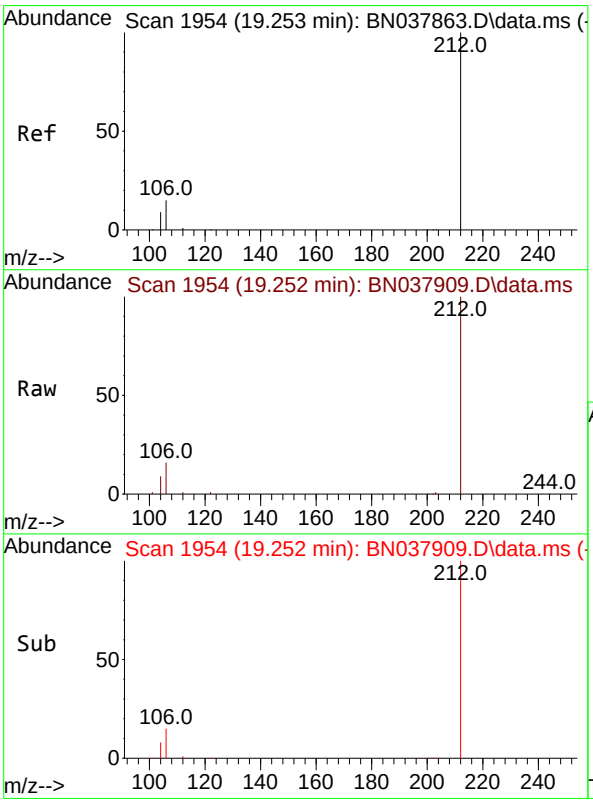
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.223 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037909.D
Acq: 26 Sep 2025 04:05

Instrument :
BNA_N
ClientSampleId :
TT180D1-20250918

Tgt Ion:188 Resp: 21440

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.8	7.6	11.4

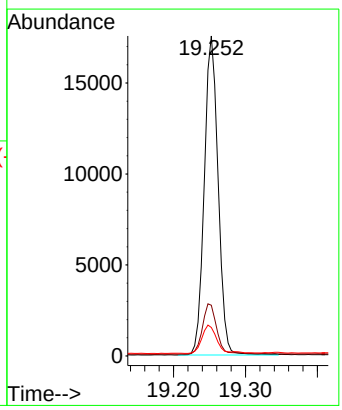


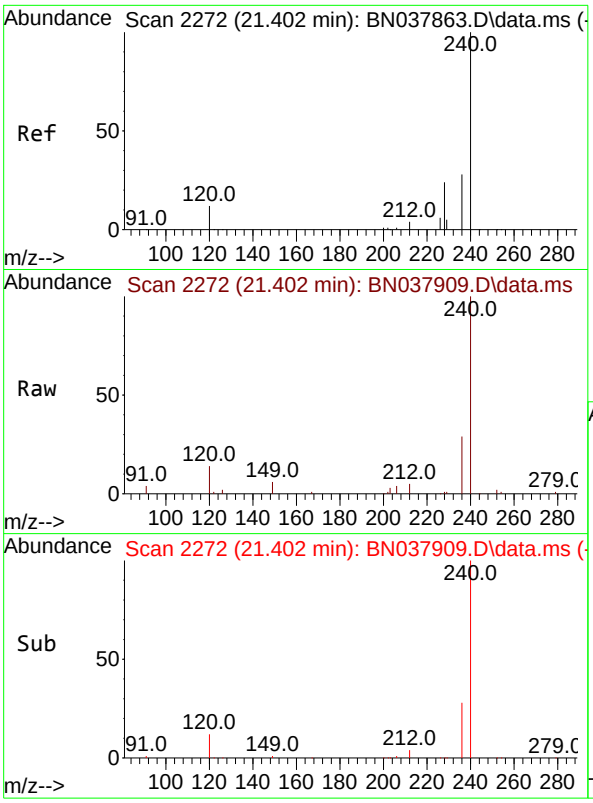


#27
Fluoranthene-d10
Concen: 0.432 ng
RT: 19.252 min Scan# 1954
Delta R.T. -0.000 min
Lab File: BN037909.D
Acq: 26 Sep 2025 04:05

Tgt Ion:212 Resp: 23314

Ion	Ratio	Lower	Upper
212	100		
106	16.4	12.6	19.0
104	9.2	7.4	11.0



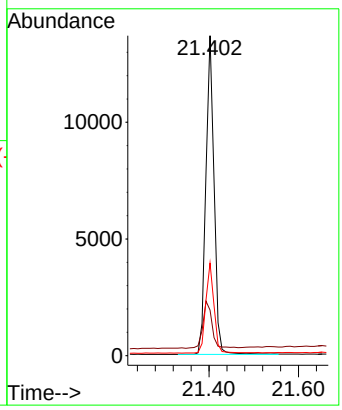


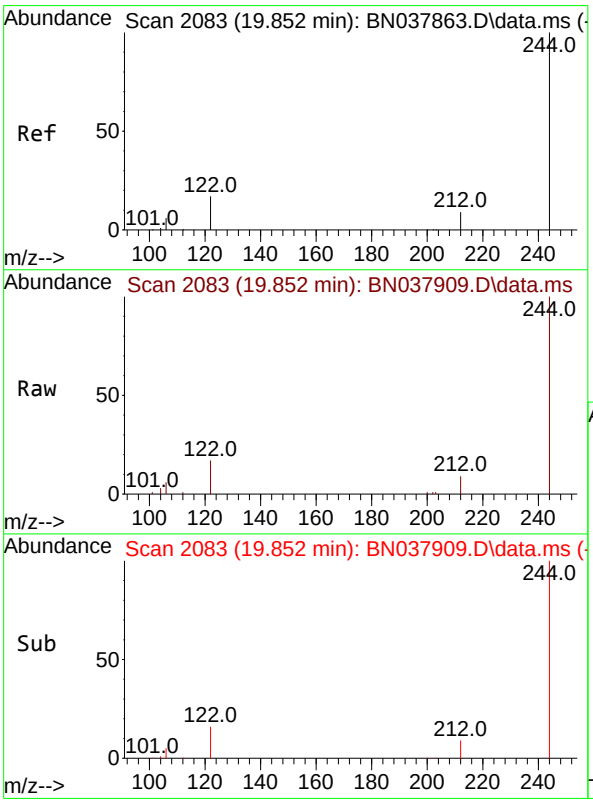
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.402 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037909.D
Acq: 26 Sep 2025 04:05

Instrument :
BNA_N
ClientSampleId :
TT180D1-20250918

Tgt Ion:240 Resp: 17437

Ion	Ratio	Lower	Upper
240	100		
120	14.3	11.4	17.2
236	29.0	23.0	34.6

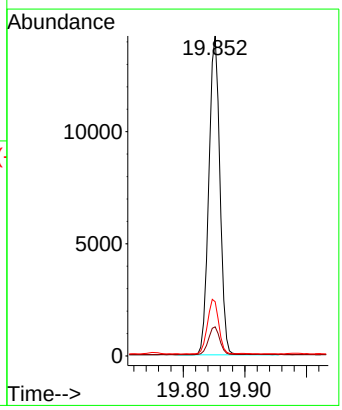


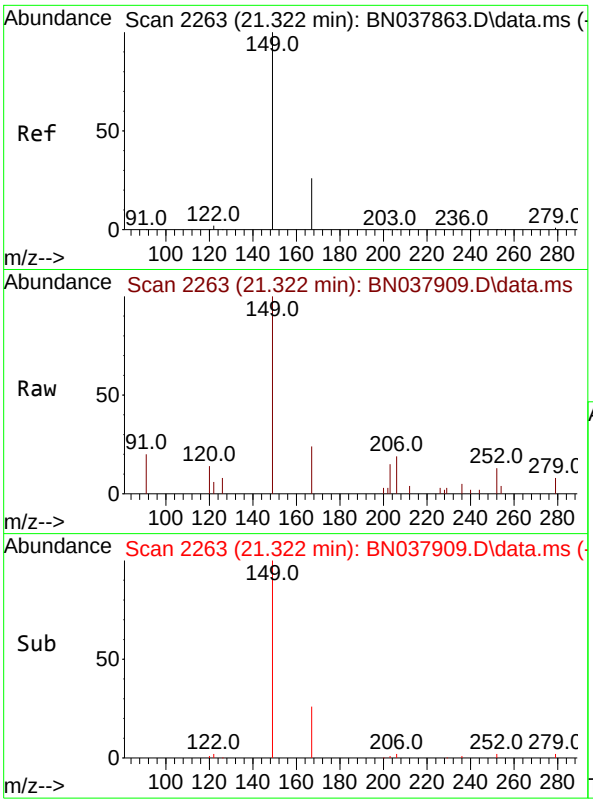


#31
Terphenyl-d14
Concen: 0.508 ng
RT: 19.852 min Scan# 2083
Delta R.T. -0.000 min
Lab File: BN037909.D
Acq: 26 Sep 2025 04:05

Tgt Ion:244 Resp: 17644

Ion	Ratio	Lower	Upper
244	100		
212	9.1	7.6	11.4
122	16.9	13.9	20.9



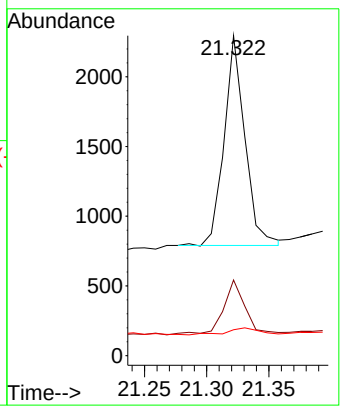


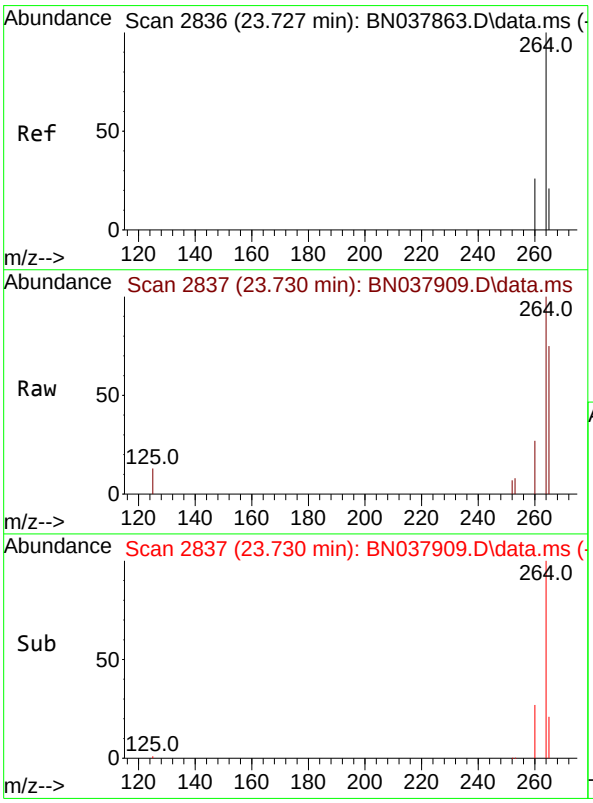
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.073 ng
RT: 21.322 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037909.D
Acq: 26 Sep 2025 04:05

Instrument :
BNA_N
ClientSampleId :
TT180D1-20250918

Tgt Ion:149 Resp: 1752

Ion	Ratio	Lower	Upper
149	100		
167	28.1	20.4	30.6
279	5.2	2.4	3.6#

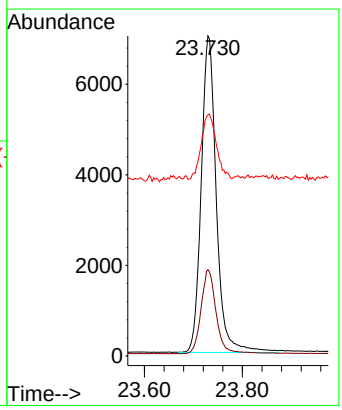




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.730 min Scan# 2837
Delta R.T. 0.003 min
Lab File: BN037909.D
Acq: 26 Sep 2025 04:05

Tgt Ion:264 Resp: 14914

Ion	Ratio	Lower	Upper
264	100		
260	27.0	21.5	32.3
265	75.3	53.8	80.6



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:	09/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/19/25
Client Sample ID:	RE132D1-20250918	SDG No.:	Q3156
Lab Sample ID:	Q3156-11	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
BN037910.D	1	09/23/25 09:15	09/26/25 04:41	PB169794

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.40		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.31		30 - 150		78%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.46		30 - 150		115%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.35		55 - 111		87%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.37		53 - 106		91%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.54	*	58 - 132		135%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6690	7.818				
1146-65-2	Naphthalene-d8	20100	10.626				
15067-26-2	Acenaphthene-d10	10300	14.473				
1517-22-2	Phenanthrene-d10	21600	17.223				
1719-03-5	Chrysene-d12	17800	21.402				
1520-96-3	Perylene-d12	15100	23.73				

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\BN092525\
Data File : BN037910.D
Acq On : 26 Sep 2025 04:41
Operator : RC/JU
Sample : Q3156-11
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE132D1-20250918

Quant Time: Sep 26 07:39:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration

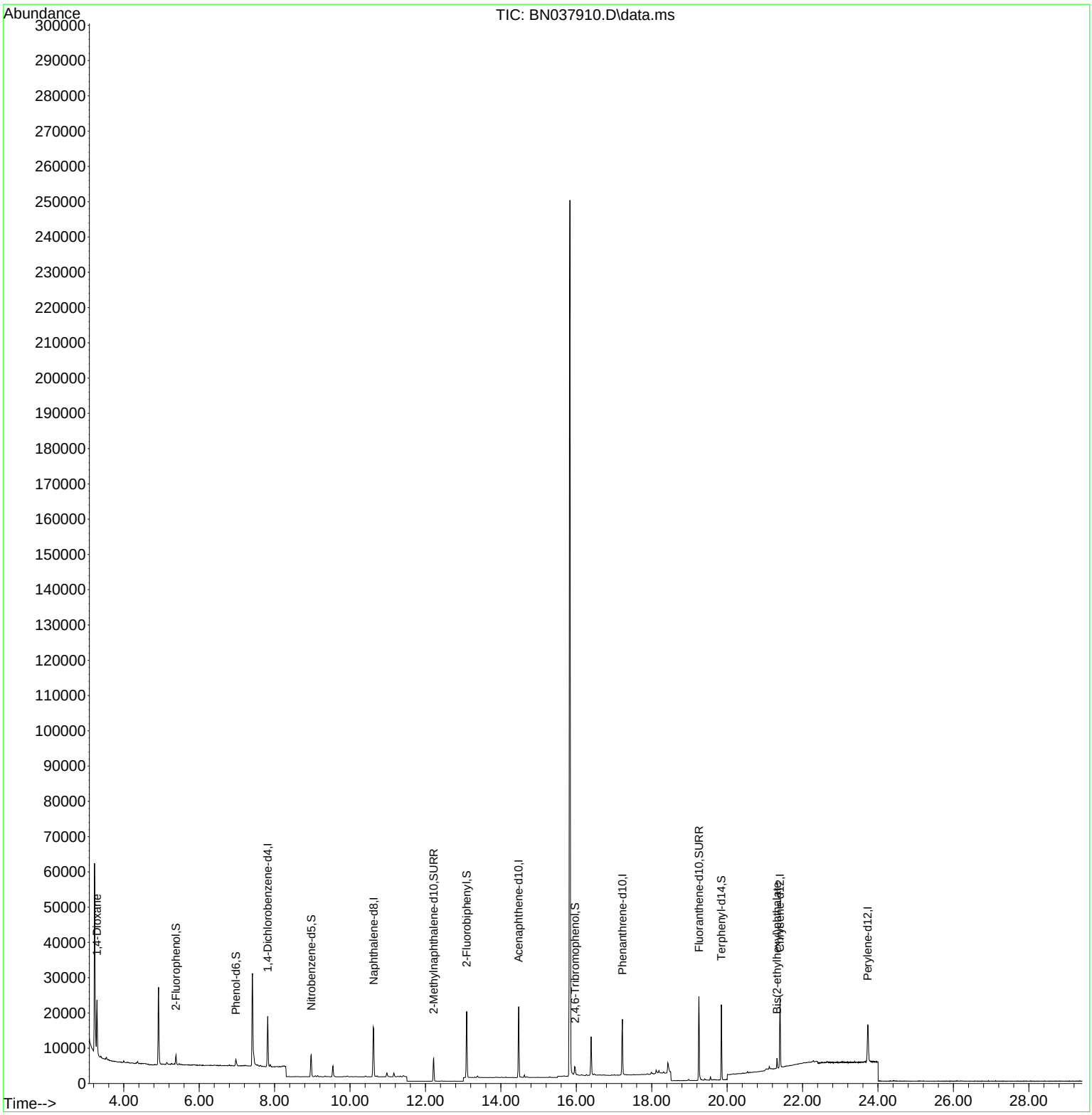
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.818	152	6685	0.400	ng		0.00
7) Naphthalene-d8	10.626	136	20112	0.400	ng		0.00
13) Acenaphthene-d10	14.473	164	10348	0.400	ng		0.00
19) Phenanthrene-d10	17.223	188	21581	0.400	ng		0.00
29) Chrysene-d12	21.402	240	17777	0.400	ng		0.00
35) Perylene-d12	23.730	264	15083	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.384	112	2170	0.142	ng		0.00
5) Phenol-d6	6.973	99	1651	0.082	ng		0.00
8) Nitrobenzene-d5	8.971	82	5337	0.348	ng		0.00
11) 2-Methylnaphthalene-d10	12.217	152	8685	0.311	ng		0.00
14) 2,4,6-Tribromophenol	15.969	330	1434	0.365	ng		0.00
15) 2-Fluorobiphenyl	13.094	172	15469	0.365	ng		0.00
27) Fluoranthene-d10	19.253	212	24917	0.459	ng		0.00
31) Terphenyl-d14	19.847	244	19156	0.541	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.290	88	9412	1.387	ng		99
34) Bis(2-ethylhexyl)phtha...	21.322	149	2695	0.110	ng	#	98

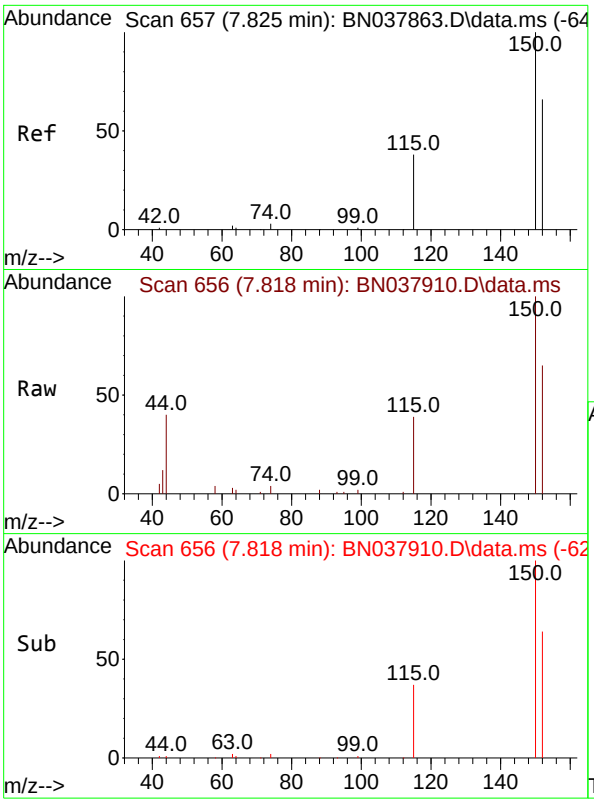
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092525\
Data File : BN037910.D
Acq On : 26 Sep 2025 04:41
Operator : RC/JU
Sample : Q3156-11
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE132D1-20250918

Quant Time: Sep 26 07:39:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration



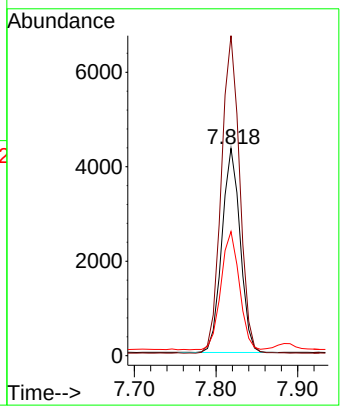


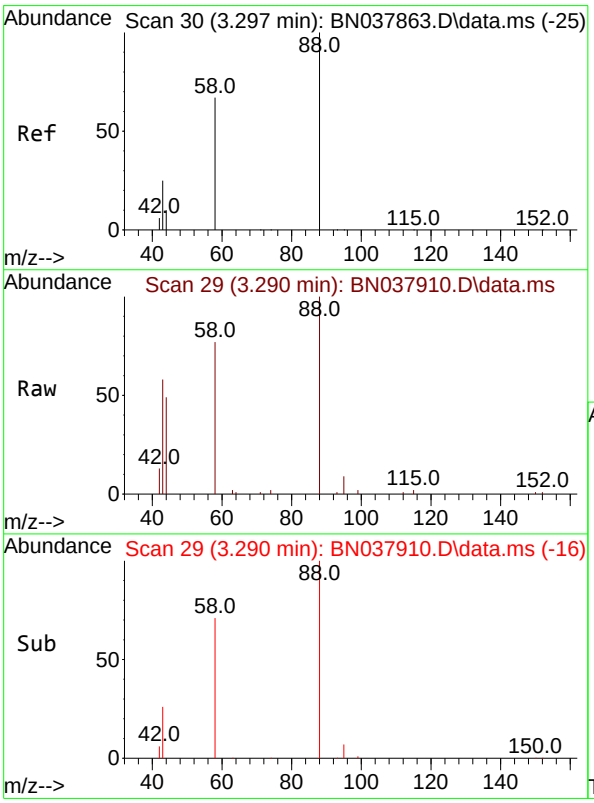
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.818 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN037910.D
Acq: 26 Sep 2025 04:41

Instrument :
BNA_N
ClientSampleId :
RE132D1-20250918

Tgt Ion:152 Resp: 6685

Ion	Ratio	Lower	Upper
152	100		
150	154.3	121.0	181.4
115	59.9	47.4	71.0

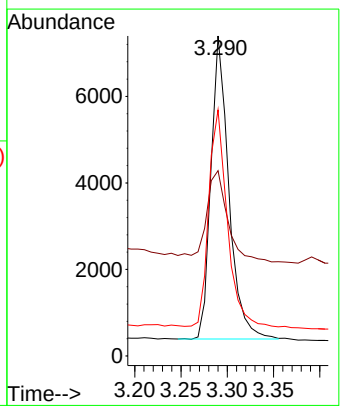


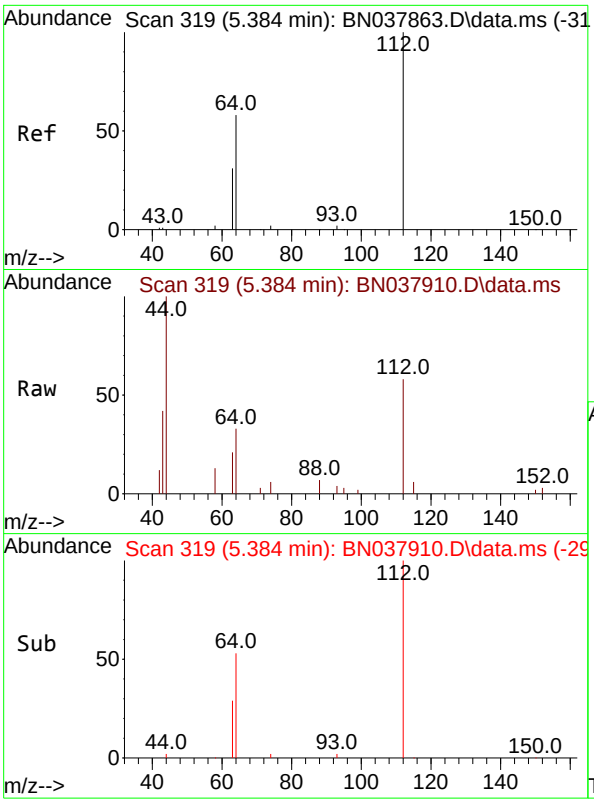


#2
1,4-Dioxane
Concen: 1.387 ng
RT: 3.290 min Scan# 29
Delta R.T. -0.007 min
Lab File: BN037910.D
Acq: 26 Sep 2025 04:41

Tgt Ion: 88 Resp: 9412

Ion	Ratio	Lower	Upper
88	100		
43	35.1	26.6	39.8
58	74.0	58.9	88.3



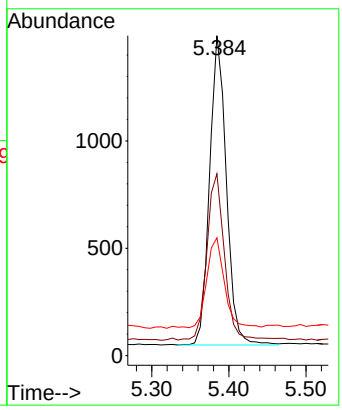


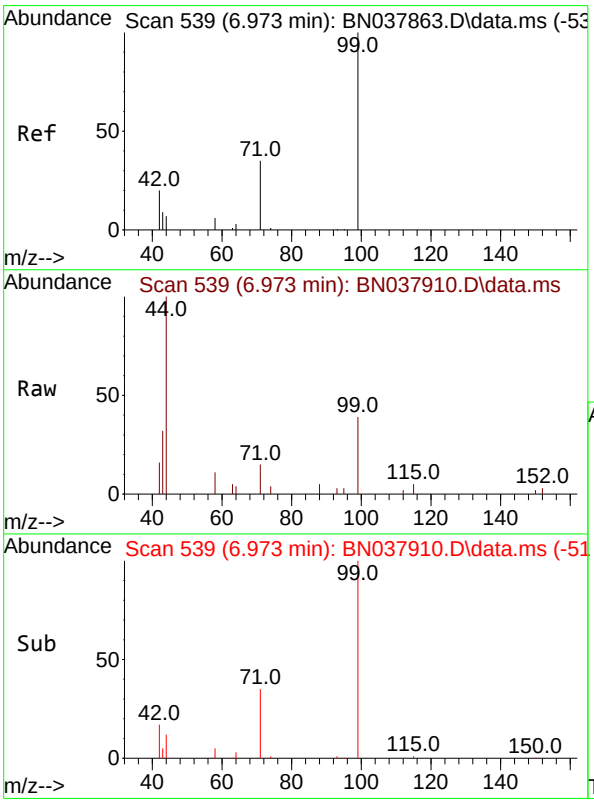
#4
2-Fluorophenol
Concen: 0.142 ng
RT: 5.384 min Scan# 31
Delta R.T. 0.000 min
Lab File: BN037910.D
Acq: 26 Sep 2025 04:41

Instrument :
BNA_N
ClientSampleId :
RE132D1-20250918

Tgt Ion:112 Resp: 2170

Ion	Ratio	Lower	Upper
112	100		
64	56.6	44.6	66.8
63	30.2	24.9	37.3

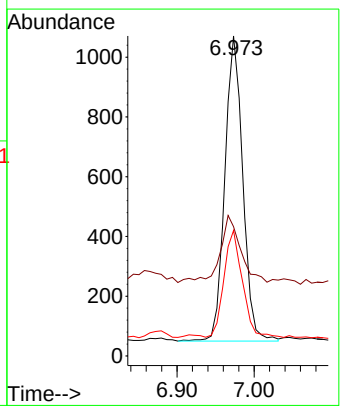


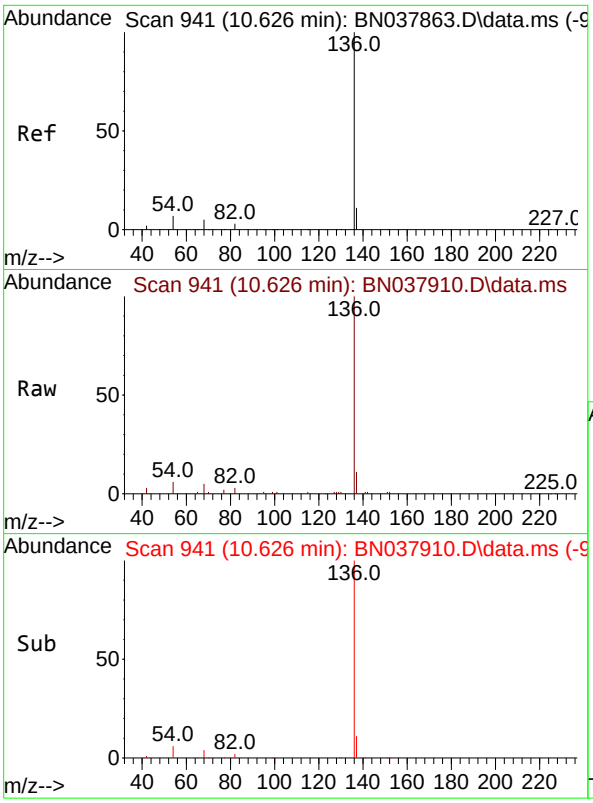


#5
Phenol-d6
Concen: 0.082 ng
RT: 6.973 min Scan# 539
Delta R.T. 0.000 min
Lab File: BN037910.D
Acq: 26 Sep 2025 04:41

Tgt Ion: 99 Resp: 1651

Ion	Ratio	Lower	Upper
99	100		
42	25.2	17.2	25.8
71	36.2	27.3	40.9



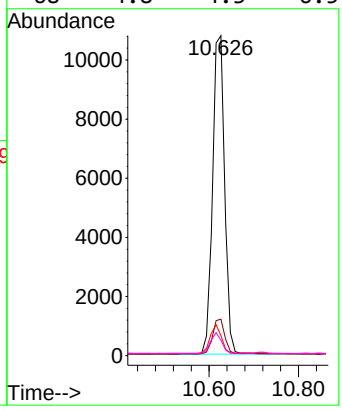


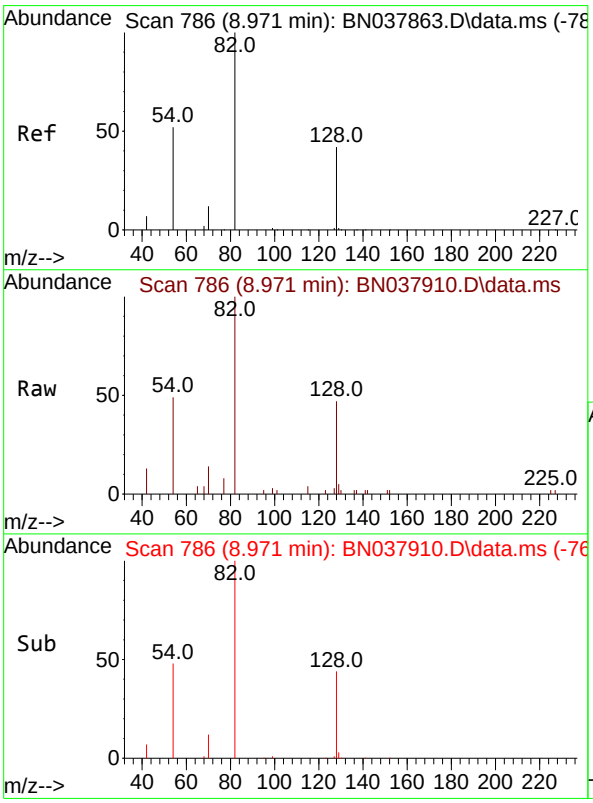
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.626 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN037910.D
Acq: 26 Sep 2025 04:41

Instrument :
BNA_N
ClientSampleId :
RE132D1-20250918

Tgt Ion:136 Resp: 20112

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.0	13.4
54	6.2	5.8	8.8
68	4.8	4.3	6.5

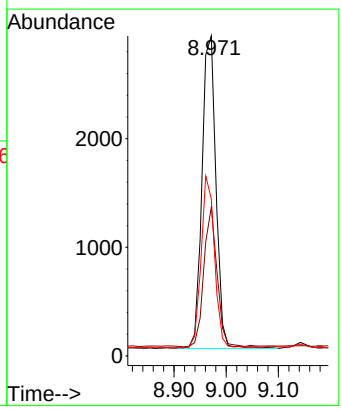


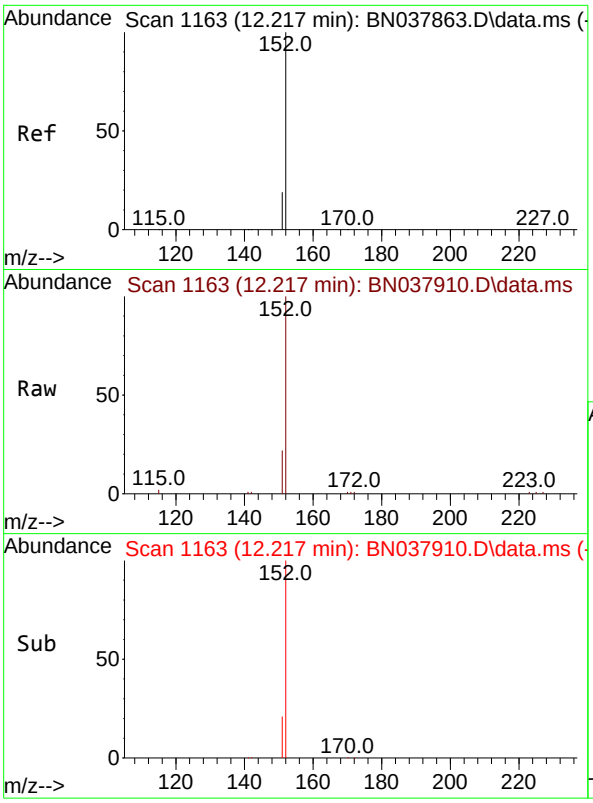


#8
Nitrobenzene-d5
Concen: 0.348 ng
RT: 8.971 min Scan# 786
Delta R.T. 0.000 min
Lab File: BN037910.D
Acq: 26 Sep 2025 04:41

Tgt Ion: 82 Resp: 5337

Ion	Ratio	Lower	Upper
82	100		
128	46.5	34.8	52.2
54	49.1	42.2	63.2



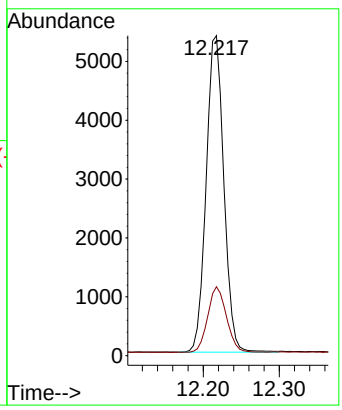


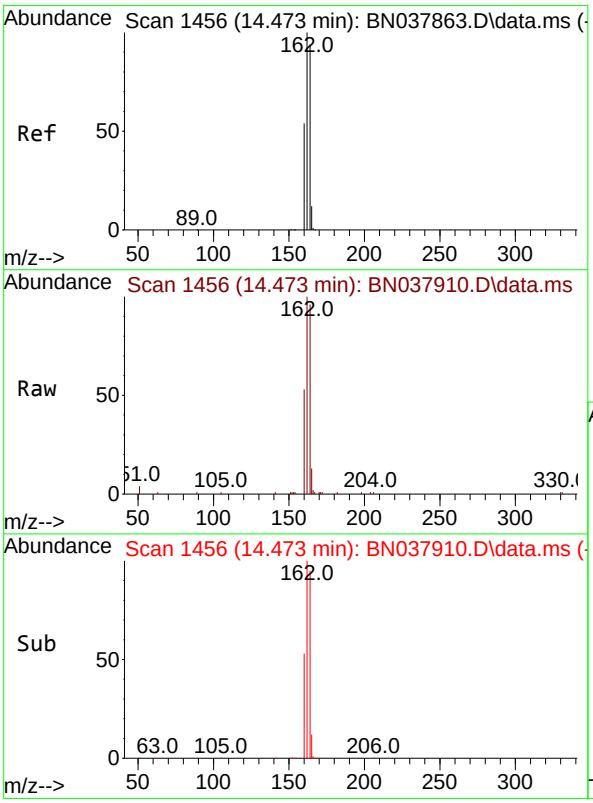
#11
2-Methylnaphthalene-d10
Concen: 0.311 ng
RT: 12.217 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN037910.D
Acq: 26 Sep 2025 04:41

Instrument :
BNA_N
ClientSampleId :
RE132D1-20250918

Tgt Ion:152 Resp: 8685

Ion	Ratio	Lower	Upper
152	100		
151	22.0	17.4	26.2

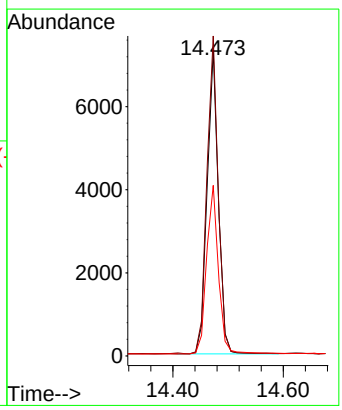


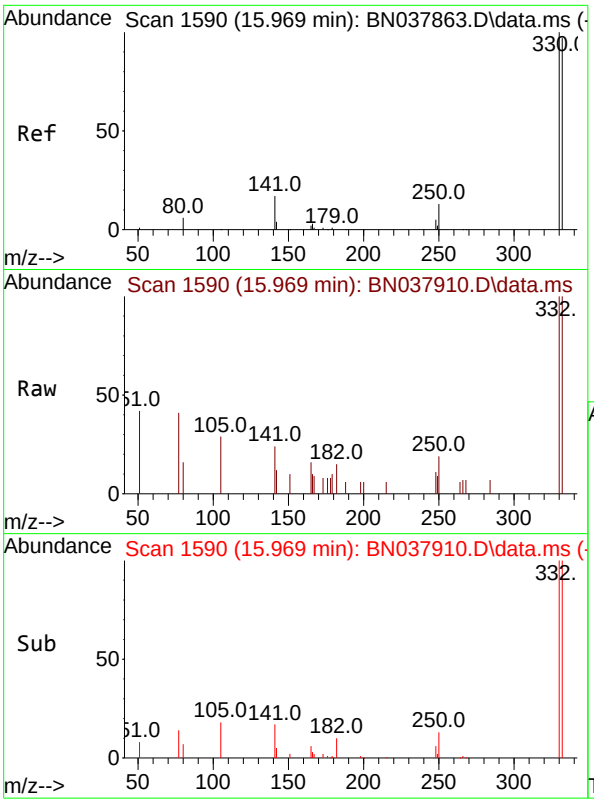


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.473 min Scan# 1456
Delta R.T. 0.000 min
Lab File: BN037910.D
Acq: 26 Sep 2025 04:41

Tgt Ion:164 Resp: 10348

Ion	Ratio	Lower	Upper
164	100		
162	104.6	84.8	127.2
160	55.8	46.1	69.1



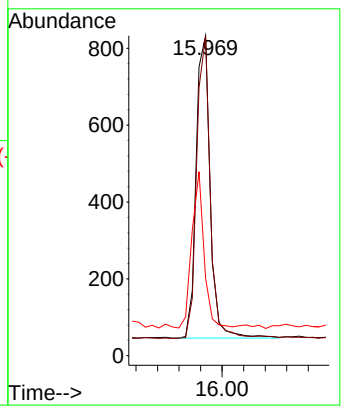


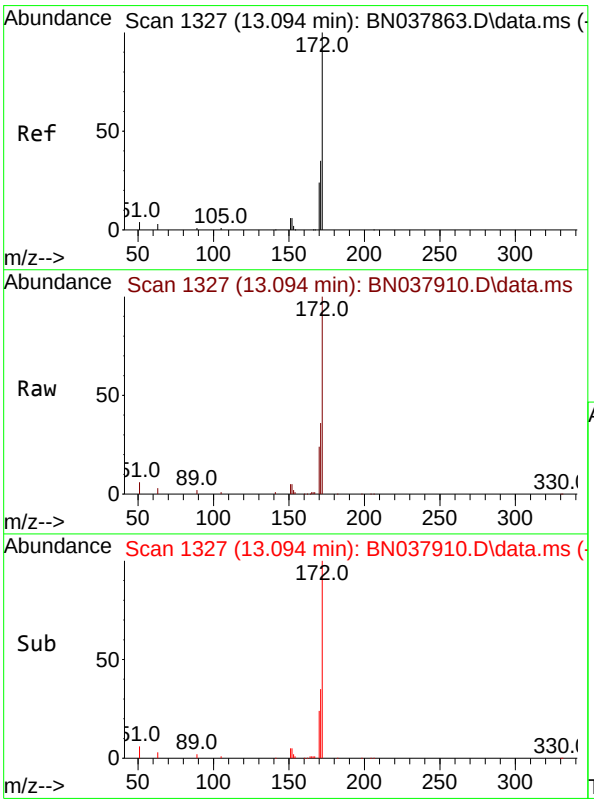
#14
2,4,6-Tribromophenol
Concen: 0.365 ng
RT: 15.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037910.D
Acq: 26 Sep 2025 04:41

Instrument :
BNA_N
ClientSampleId :
RE132D1-20250918

Tgt Ion:330 Resp: 1434

Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.2	115.8
141	46.0	37.2	55.8

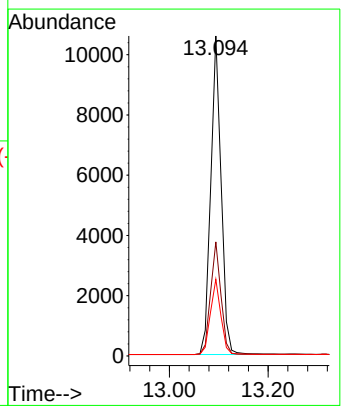


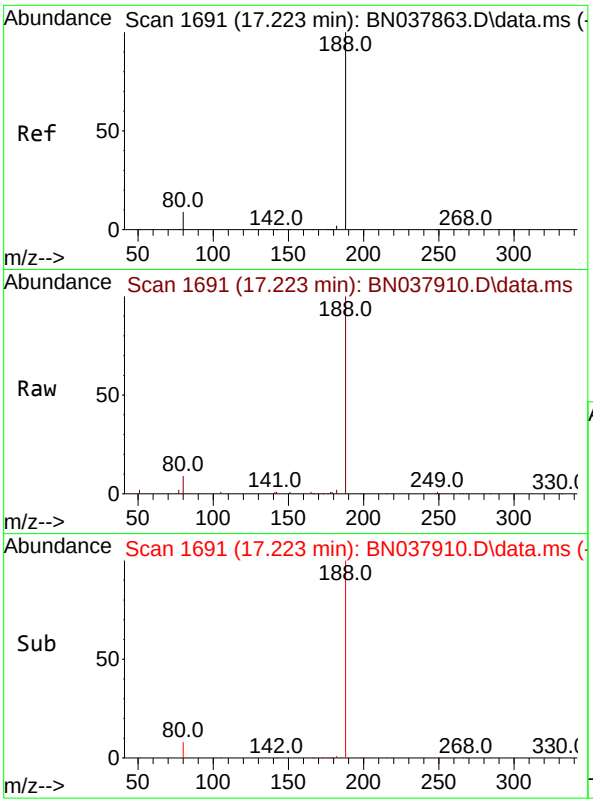


#15
2-Fluorobiphenyl
Concen: 0.365 ng
RT: 13.094 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BN037910.D
Acq: 26 Sep 2025 04:41

Tgt Ion:172 Resp: 15469

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.6	43.0
170	24.0	19.7	29.5



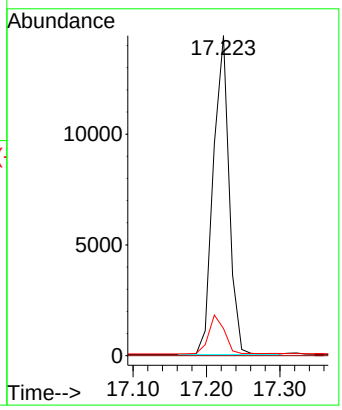


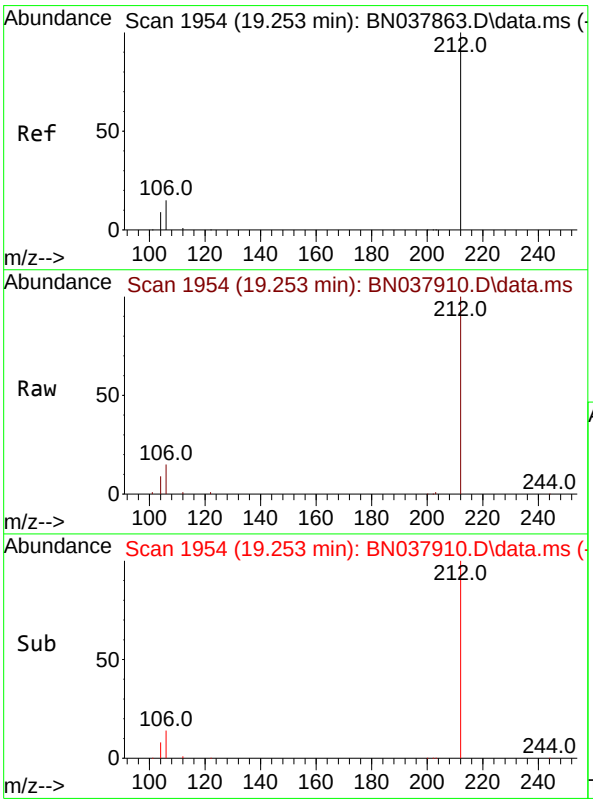
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.223 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037910.D
Acq: 26 Sep 2025 04:41

Instrument :
BNA_N
ClientSampleId :
RE132D1-20250918

Tgt Ion:188 Resp: 21581

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.5	7.6	11.4

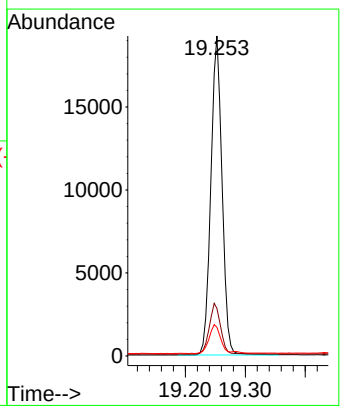


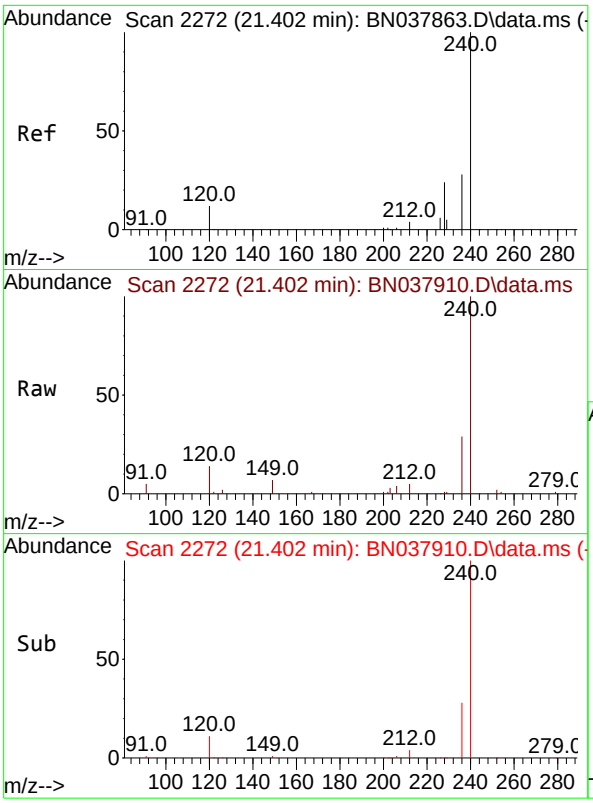


#27
Fluoranthene-d10
Concen: 0.459 ng
RT: 19.253 min Scan# 1954
Delta R.T. 0.000 min
Lab File: BN037910.D
Acq: 26 Sep 2025 04:41

Tgt Ion:212 Resp: 24917

Ion	Ratio	Lower	Upper
212	100		
106	16.3	12.6	19.0
104	9.2	7.4	11.0



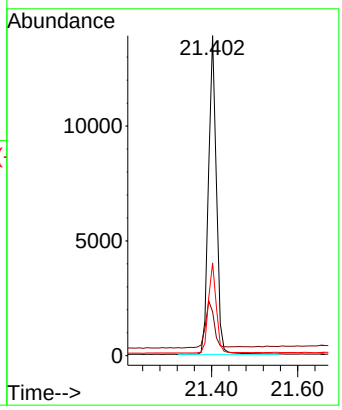


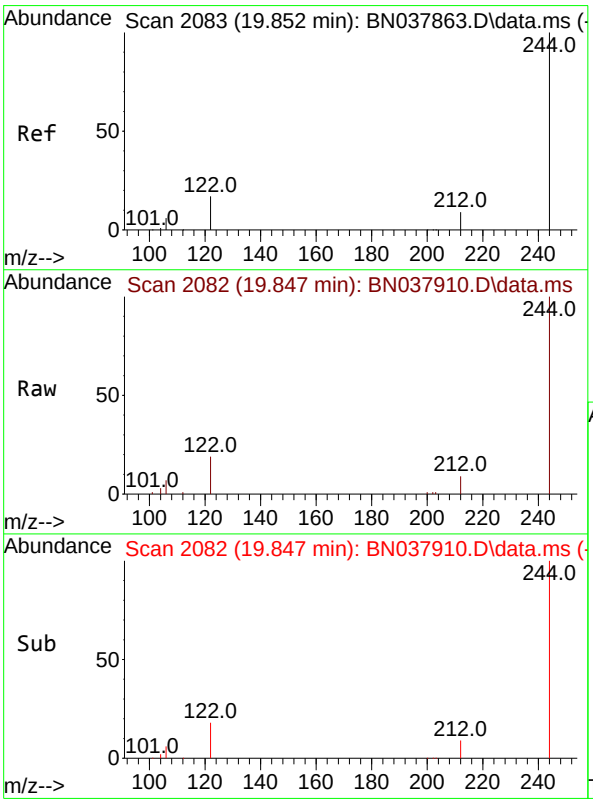
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.402 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037910.D
Acq: 26 Sep 2025 04:41

Instrument :
BNA_N
ClientSampleId :
RE132D1-20250918

Tgt Ion:240 Resp: 17777

Ion	Ratio	Lower	Upper
240	100		
120	13.8	11.4	17.2
236	29.0	23.0	34.6

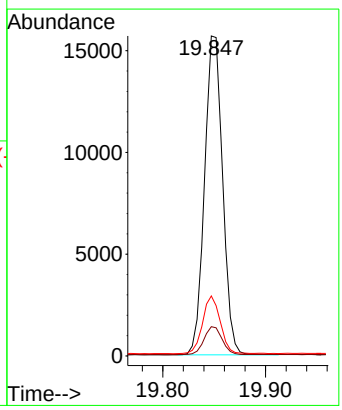


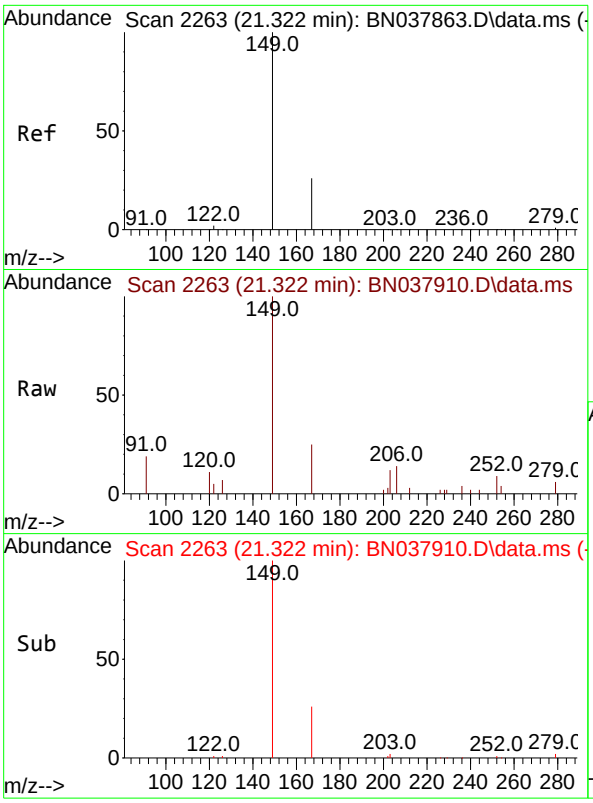


#31
Terphenyl-d14
Concen: 0.541 ng
RT: 19.847 min Scan# 2082
Delta R.T. -0.005 min
Lab File: BN037910.D
Acq: 26 Sep 2025 04:41

Tgt Ion:244 Resp: 19156

Ion	Ratio	Lower	Upper
244	100		
212	9.1	7.6	11.4
122	18.8	13.9	20.9



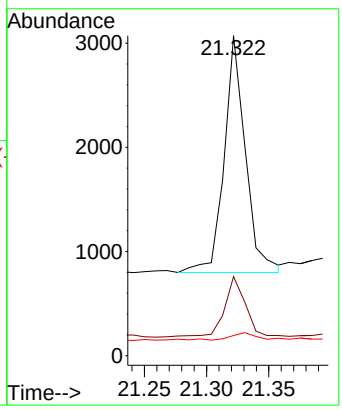


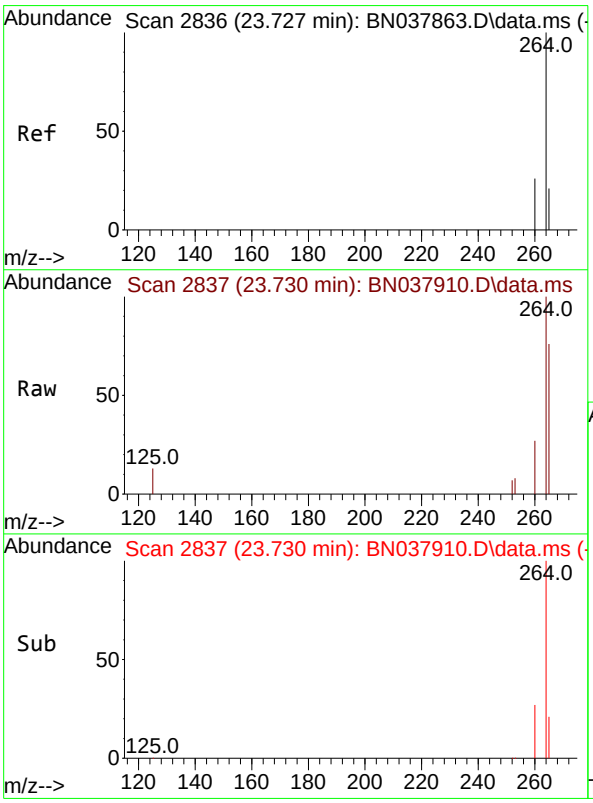
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.110 ng
RT: 21.322 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037910.D
Acq: 26 Sep 2025 04:41

Instrument :
BNA_N
ClientSampleId :
RE132D1-20250918

Tgt Ion:149 Resp: 2695

Ion	Ratio	Lower	Upper
149	100		
167	24.8	20.4	30.6
279	4.0	2.4	3.6#

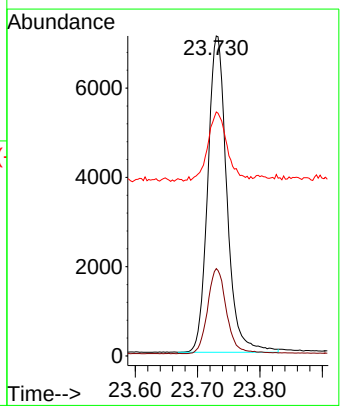




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.730 min Scan# 2837
Delta R.T. 0.003 min
Lab File: BN037910.D
Acq: 26 Sep 2025 04:41

Tgt Ion:264 Resp: 15083

Ion	Ratio	Lower	Upper
264	100		
260	27.3	21.5	32.3
265	76.2	53.8	80.6



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:	09/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/19/25
Client Sample ID:	TT190D2-20250918	SDG No.:	Q3156
Lab Sample ID:	Q3156-12	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
BN037911.D	1	09/23/25 09:15	09/26/25 05:18	PB169794

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.90		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	0.43		30 - 150		108%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.34		55 - 111		84%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.31		53 - 106		77%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.53		58 - 132		132%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	8050	7.818				
1146-65-2	Naphthalene-d8	22900	10.616				
15067-26-2	Acenaphthene-d10	11700	14.473				
1517-22-2	Phenanthrene-d10	24400	17.223				
1719-03-5	Chrysene-d12	18500	21.402				
1520-96-3	Perylene-d12	14600	23.73				

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\BN092525\
Data File : BN037911.D
Acq On : 26 Sep 2025 05:18
Operator : RC/JU
Sample : Q3156-12
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
TT190D2-20250918

Quant Time: Sep 26 07:39:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration

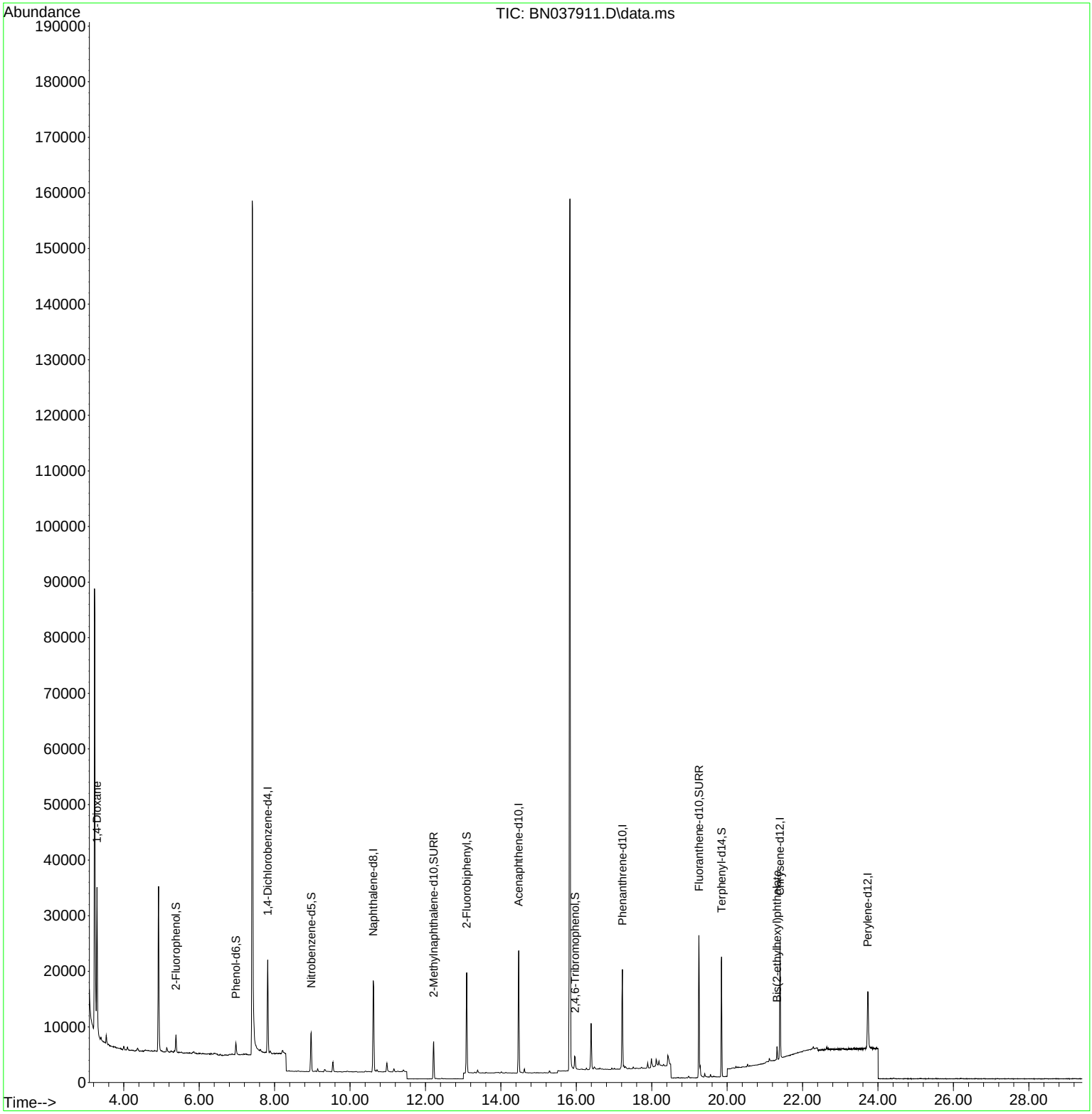
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.818	152	8047	0.400	ng	0.00
7) Naphthalene-d8	10.616	136	22852	0.400	ng	#-0.01
13) Acenaphthene-d10	14.473	164	11726	0.400	ng	0.00
19) Phenanthrene-d10	17.223	188	24423	0.400	ng	0.00
29) Chrysene-d12	21.402	240	18501	0.400	ng	0.00
35) Perylene-d12	23.730	264	14619	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.384	112	2528	0.138	ng	0.00
5) Phenol-d6	6.973	99	1915	0.079	ng	0.00
8) Nitrobenzene-d5	8.971	82	5885	0.338	ng	0.00
11) 2-Methylnaphthalene-d10	12.217	152	9082	0.286	ng	0.00
14) 2,4,6-Tribromophenol	15.969	330	1447	0.325	ng	0.00
15) 2-Fluorobiphenyl	13.094	172	14784	0.308	ng	0.00
27) Fluoranthene-d10	19.252	212	26480	0.431	ng	0.00
31) Terphenyl-d14	19.852	244	19501	0.529	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.290	88	15301	1.873	ng	99
34) Bis(2-ethylhexyl)phtha...	21.322	149	2228	0.087	ng	# 98

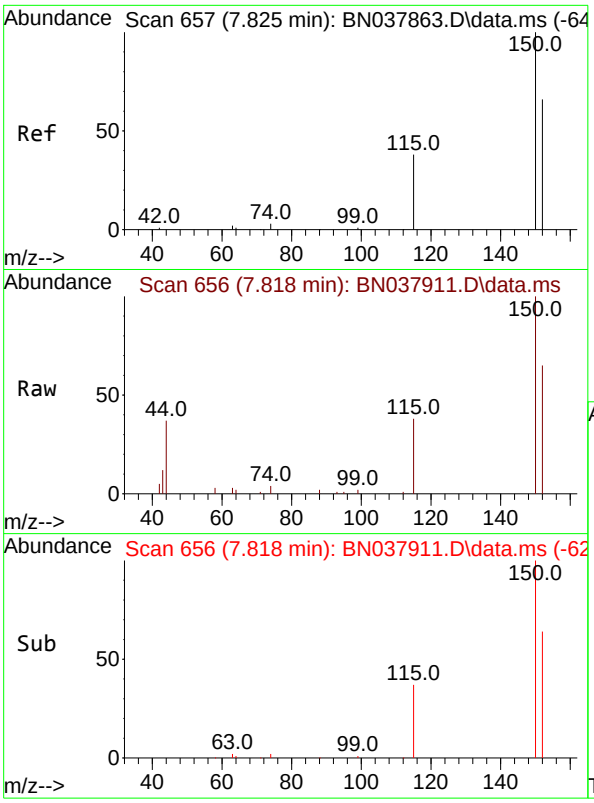
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092525\
Data File : BN037911.D
Acq On : 26 Sep 2025 05:18
Operator : RC/JU
Sample : Q3156-12
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
TT190D2-20250918

Quant Time: Sep 26 07:39:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration



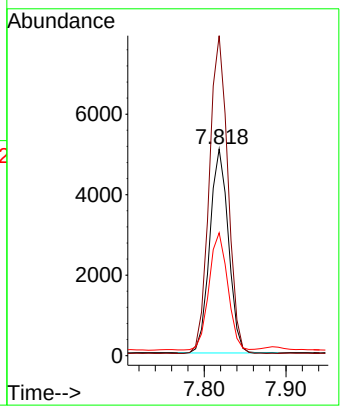


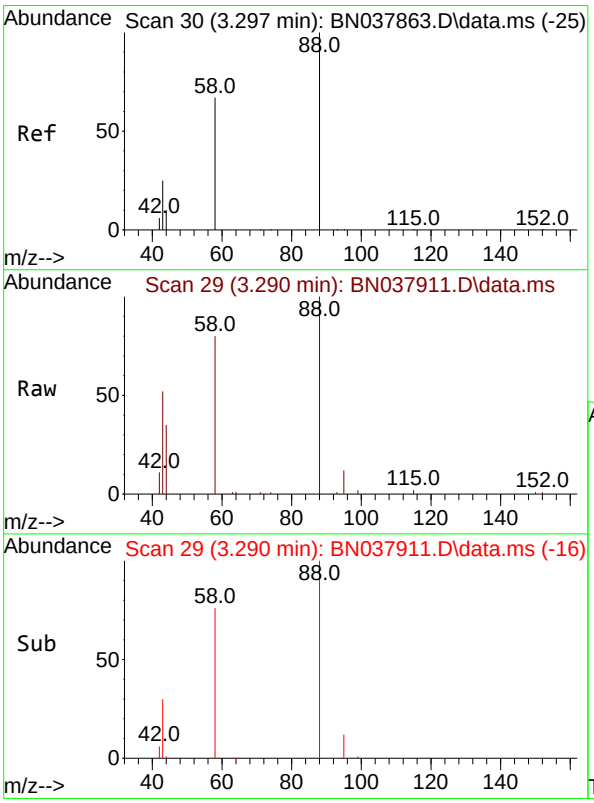
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.818 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN037911.D
Acq: 26 Sep 2025 05:18

Instrument :
BNA_N
ClientSampleId :
TT190D2-20250918

Tgt Ion:152 Resp: 8047

Ion	Ratio	Lower	Upper
152	100		
150	154.8	121.0	181.4
115	59.4	47.4	71.0

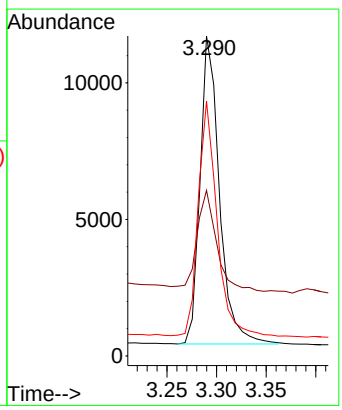


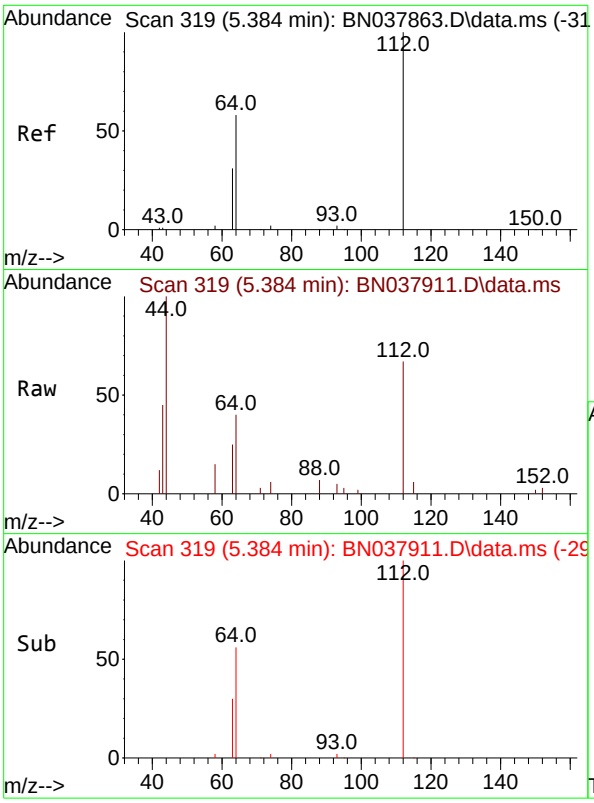


#2
1,4-Dioxane
Concen: 1.873 ng
RT: 3.290 min Scan# 29
Delta R.T. -0.007 min
Lab File: BN037911.D
Acq: 26 Sep 2025 05:18

Tgt Ion: 88 Resp: 15301

Ion	Ratio	Lower	Upper
88	100		
43	33.4	26.6	39.8
58	74.2	58.9	88.3



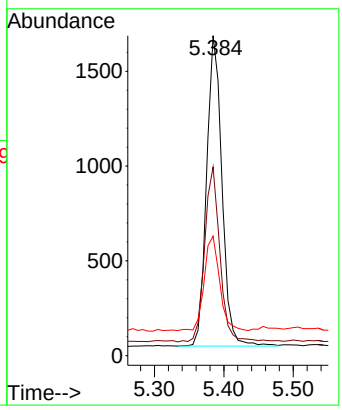


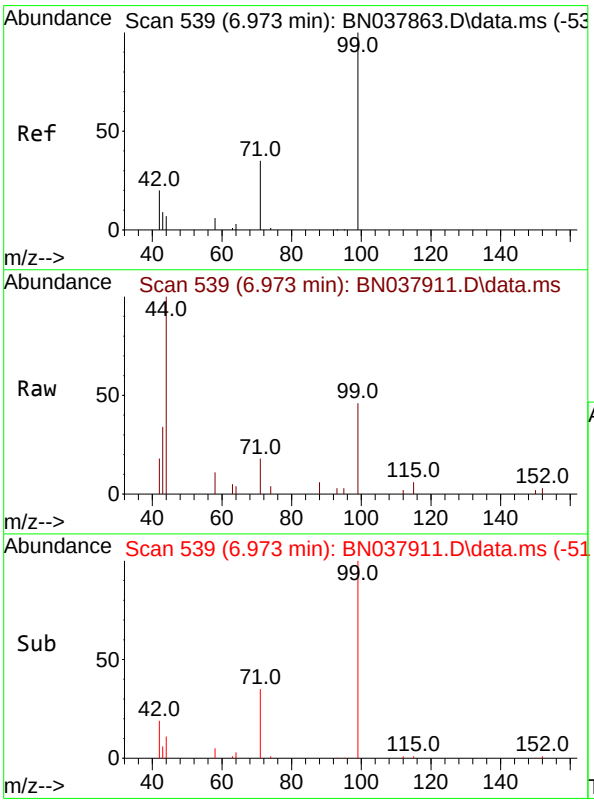
#4
2-Fluorophenol
Concen: 0.138 ng
RT: 5.384 min Scan# 31
Delta R.T. -0.000 min
Lab File: BN037911.D
Acq: 26 Sep 2025 05:18

Instrument :
BNA_N
ClientSampleId :
TT190D2-20250918

Tgt Ion:112 Resp: 2528

Ion	Ratio	Lower	Upper
112	100		
64	56.4	44.6	66.8
63	30.3	24.9	37.3

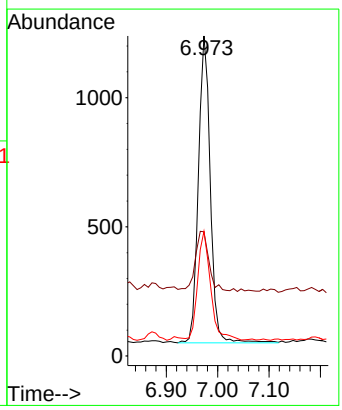


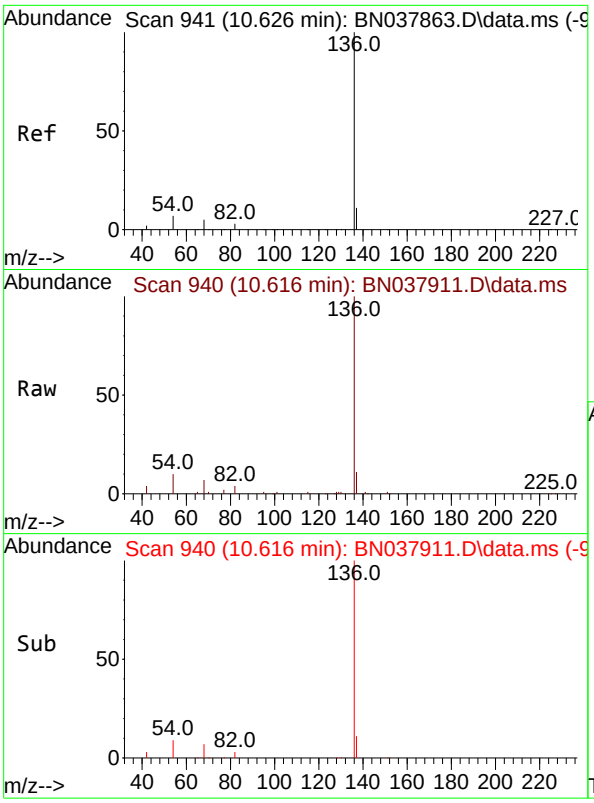


#5
Phenol-d6
Concen: 0.079 ng
RT: 6.973 min Scan# 539
Delta R.T. -0.000 min
Lab File: BN037911.D
Acq: 26 Sep 2025 05:18

Tgt Ion: 99 Resp: 1915

Ion	Ratio	Lower	Upper
99	100		
42	21.1	17.2	25.8
71	37.9	27.3	40.9



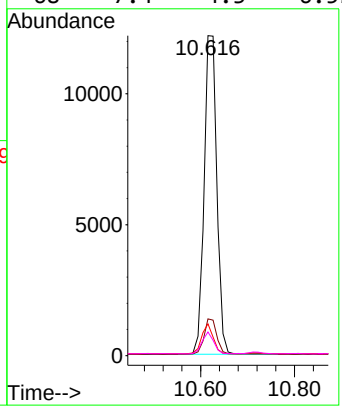


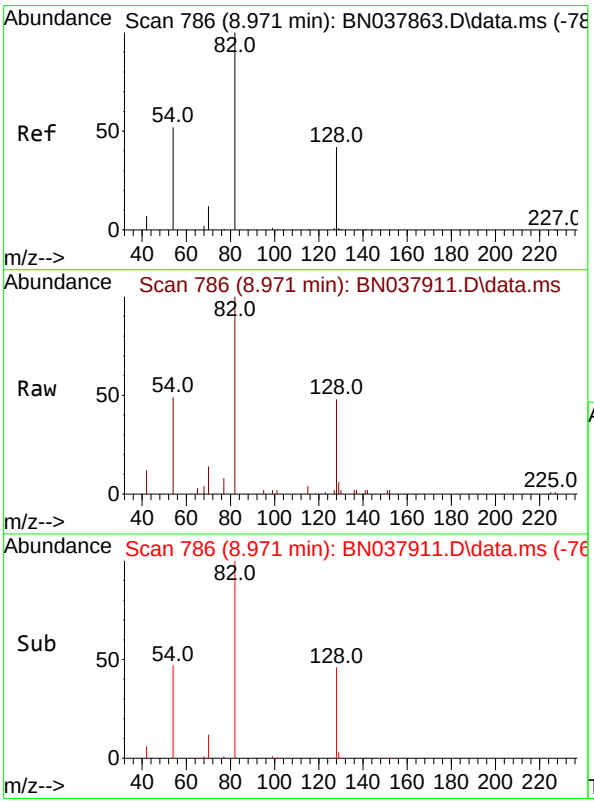
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.616 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037911.D
Acq: 26 Sep 2025 05:18

Instrument :
BNA_N
ClientSampleId :
TT190D2-20250918

Tgt Ion:136 Resp: 22852

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.0	13.4
54	9.9	5.8	8.8#
68	7.4	4.3	6.5#

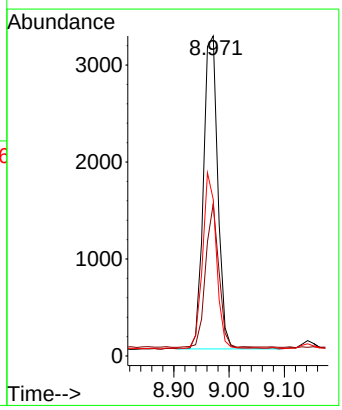


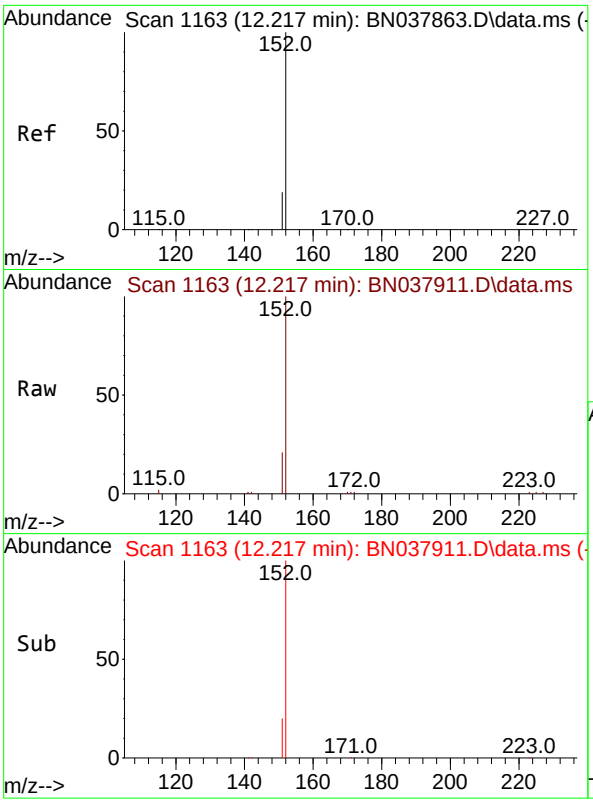


#8
Nitrobenzene-d5
Concen: 0.338 ng
RT: 8.971 min Scan# 786
Delta R.T. -0.000 min
Lab File: BN037911.D
Acq: 26 Sep 2025 05:18

Tgt Ion: 82 Resp: 5885

Ion	Ratio	Lower	Upper
82	100		
128	47.6	34.8	52.2
54	48.9	42.2	63.2



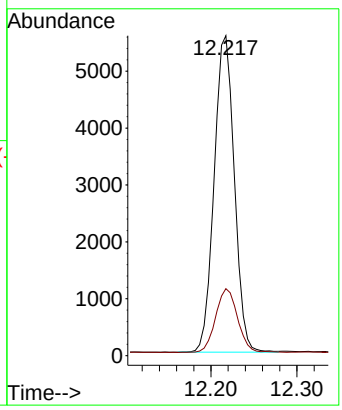


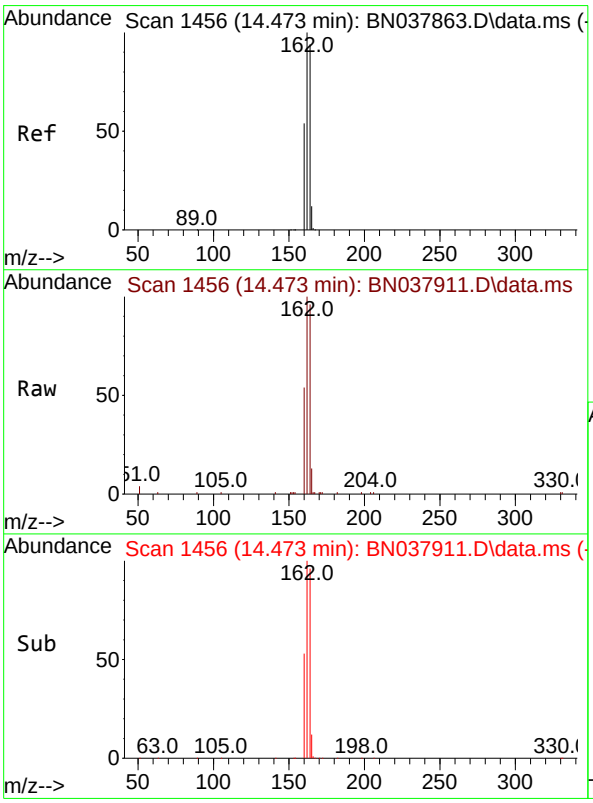
#11
2-Methylnaphthalene-d10
Concen: 0.286 ng
RT: 12.217 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN037911.D
Acq: 26 Sep 2025 05:18

Instrument :
BNA_N
ClientSampleId :
TT190D2-20250918

Tgt Ion:152 Resp: 9082

Ion	Ratio	Lower	Upper
152	100		
151	21.9	17.4	26.2

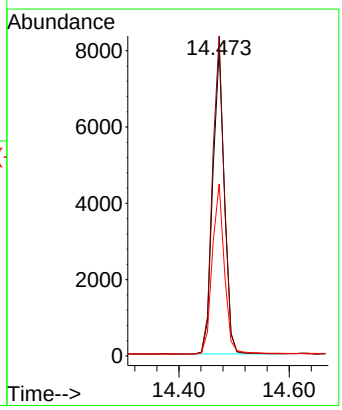


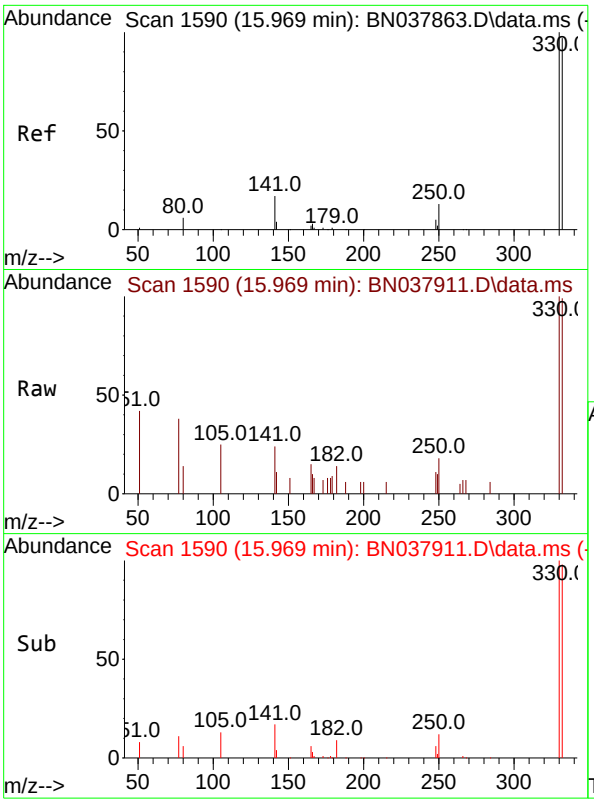


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.473 min Scan# 1456
Delta R.T. -0.000 min
Lab File: BN037911.D
Acq: 26 Sep 2025 05:18

Tgt Ion:164 Resp: 11726

Ion	Ratio	Lower	Upper
164	100		
162	104.4	84.8	127.2
160	56.1	46.1	69.1



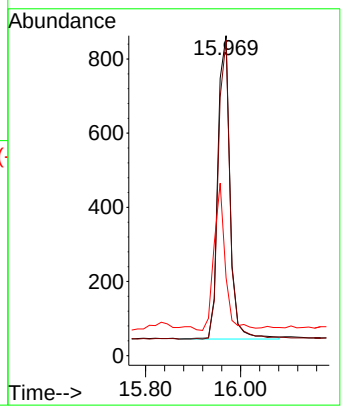


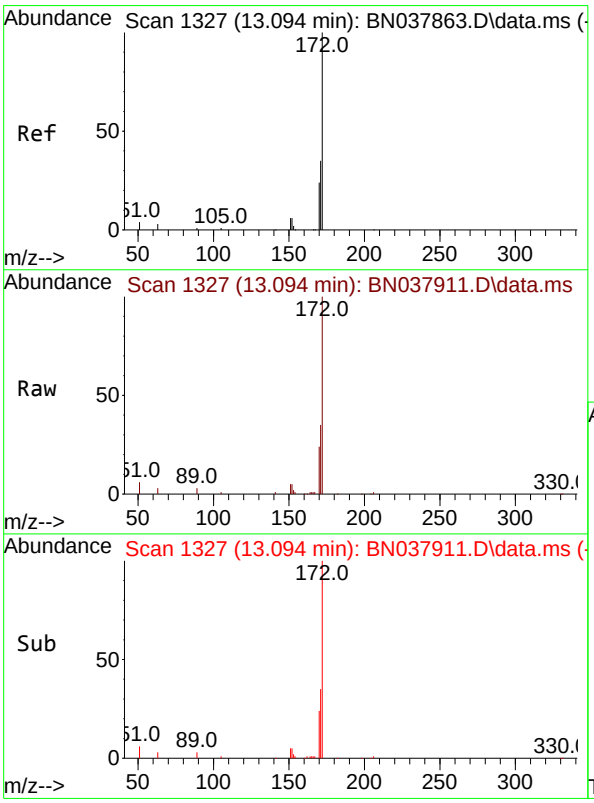
#14
2,4,6-Tribromophenol
Concen: 0.325 ng
RT: 15.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037911.D
Acq: 26 Sep 2025 05:18

Instrument :
BNA_N
ClientSampleId :
TT190D2-20250918

Tgt Ion:330 Resp: 1447

Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.2	115.8
141	45.1	37.2	55.8

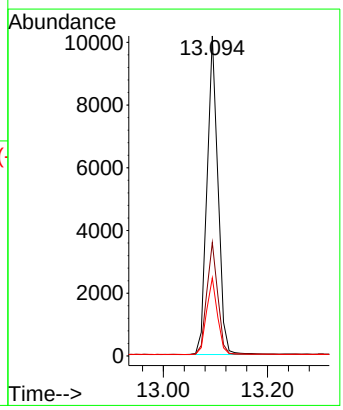


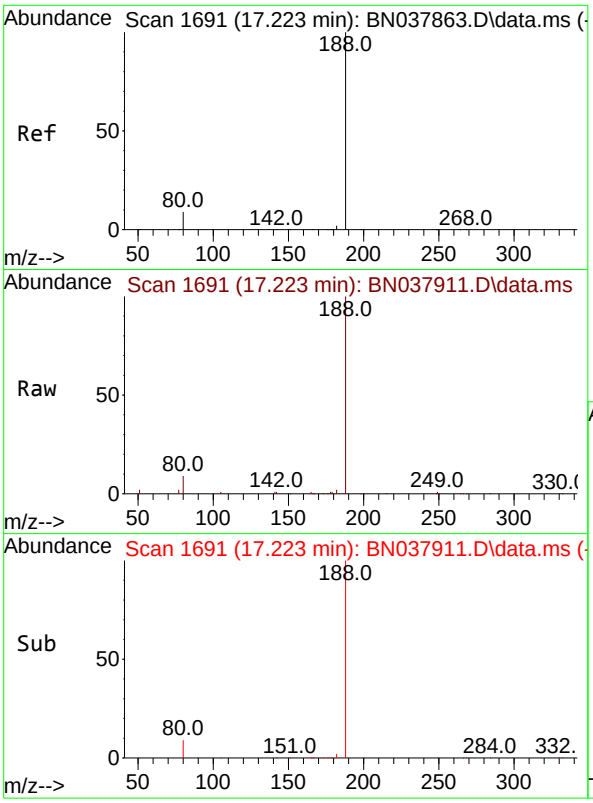


#15
2-Fluorobiphenyl
Concen: 0.308 ng
RT: 13.094 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BN037911.D
Acq: 26 Sep 2025 05:18

Tgt Ion:172 Resp: 14784

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.6	43.0
170	24.4	19.7	29.5



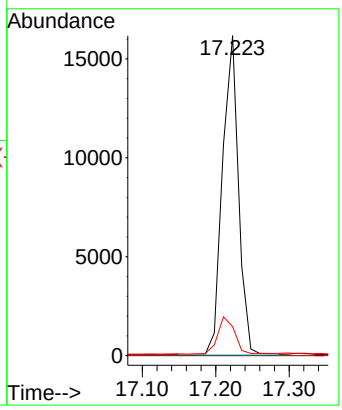


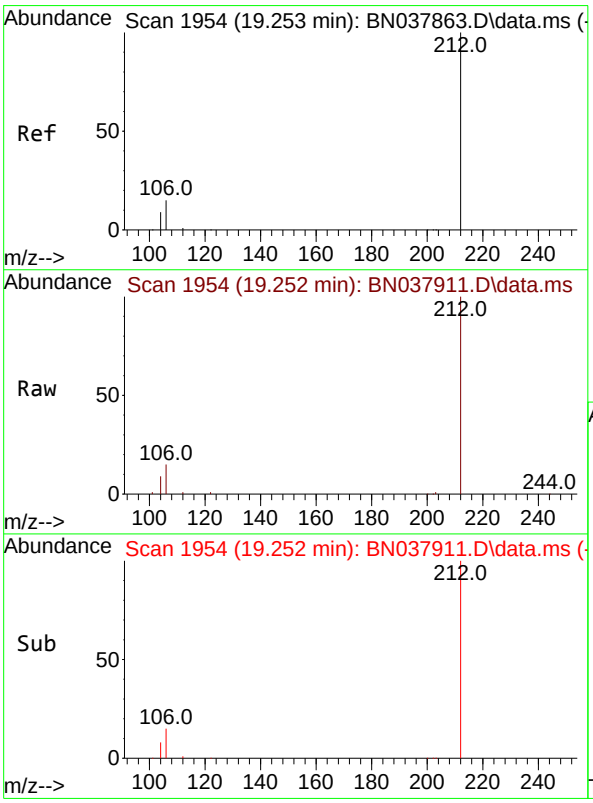
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.223 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037911.D
Acq: 26 Sep 2025 05:18

Instrument :
BNA_N
ClientSampleId :
TT190D2-20250918

Tgt Ion:188 Resp: 24423

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.1	7.6	11.4

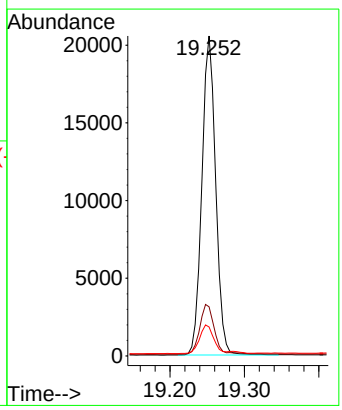


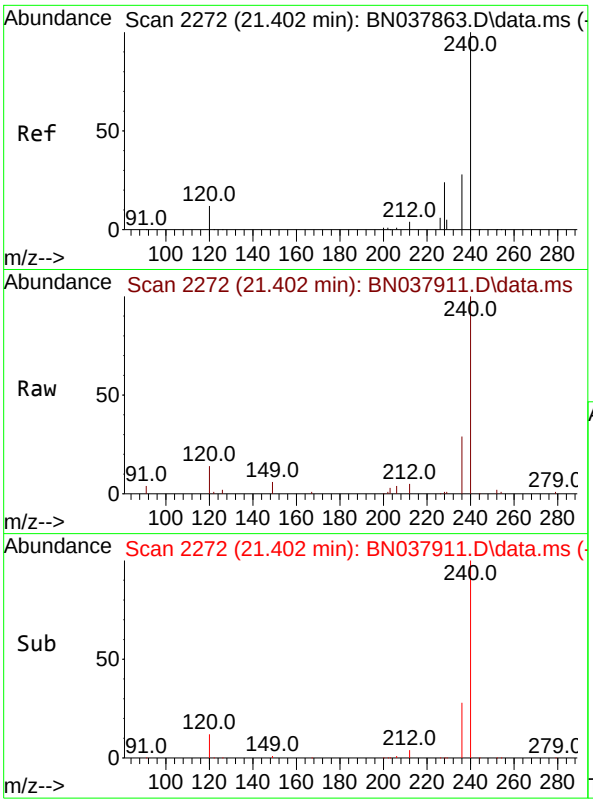


#27
Fluoranthene-d10
Concen: 0.431 ng
RT: 19.252 min Scan# 1954
Delta R.T. -0.000 min
Lab File: BN037911.D
Acq: 26 Sep 2025 05:18

Tgt Ion:212 Resp: 26480

Ion	Ratio	Lower	Upper
212	100		
106	16.3	12.6	19.0
104	9.2	7.4	11.0



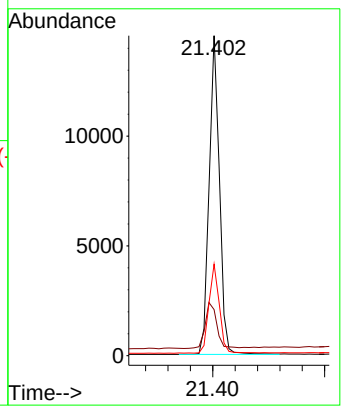


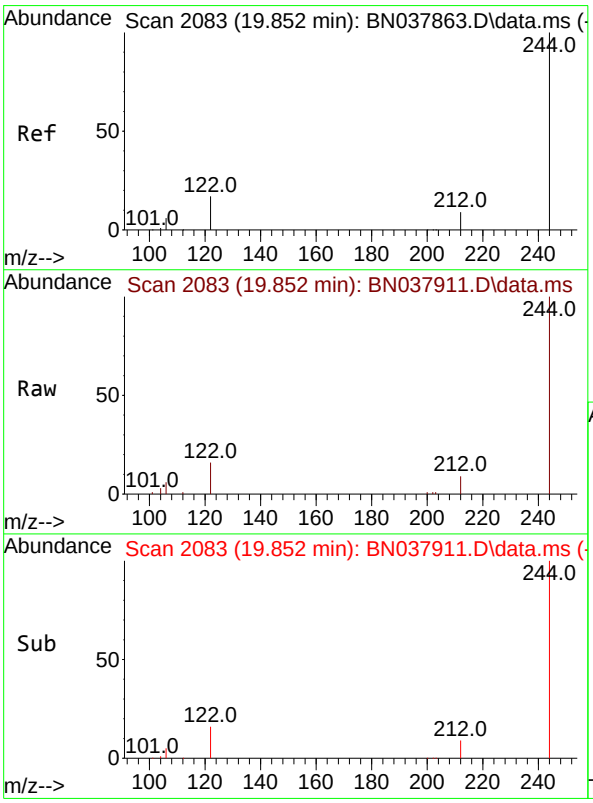
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.402 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037911.D
Acq: 26 Sep 2025 05:18

Instrument :
BNA_N
ClientSampleId :
TT190D2-20250918

Tgt Ion:240 Resp: 18501

Ion	Ratio	Lower	Upper
240	100		
120	14.4	11.4	17.2
236	28.6	23.0	34.6

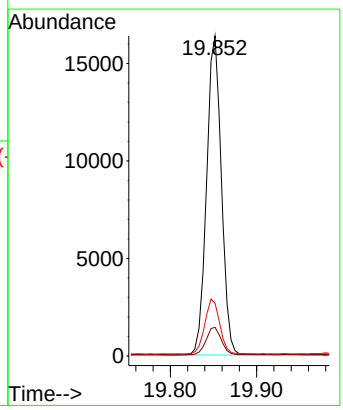


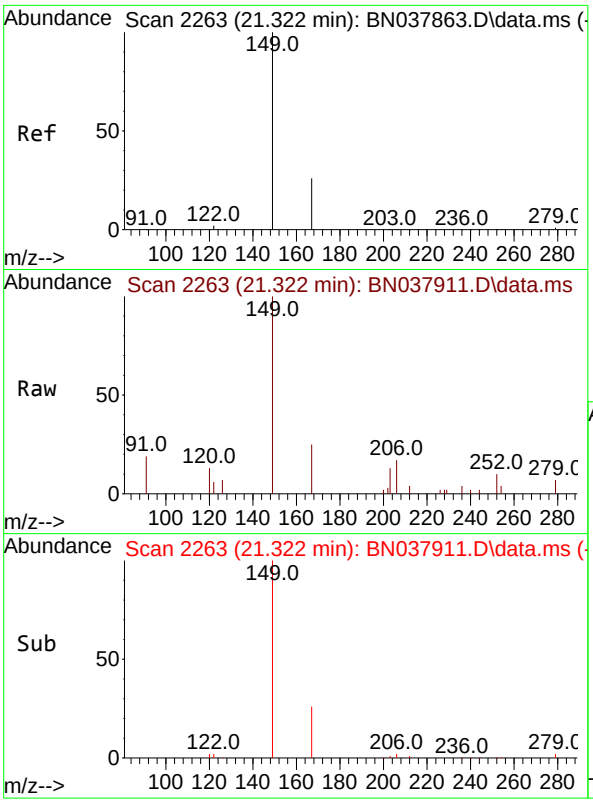


#31
Terphenyl-d14
Concen: 0.529 ng
RT: 19.852 min Scan# 2083
Delta R.T. -0.000 min
Lab File: BN037911.D
Acq: 26 Sep 2025 05:18

Tgt Ion:244 Resp: 19501

Ion	Ratio	Lower	Upper
244	100		
212	8.9	7.6	11.4
122	16.5	13.9	20.9



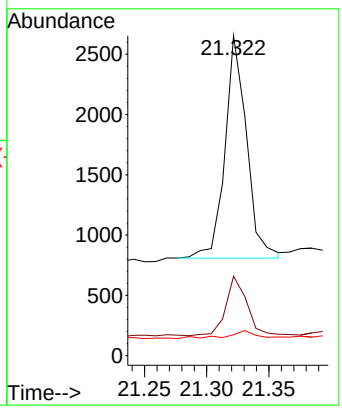


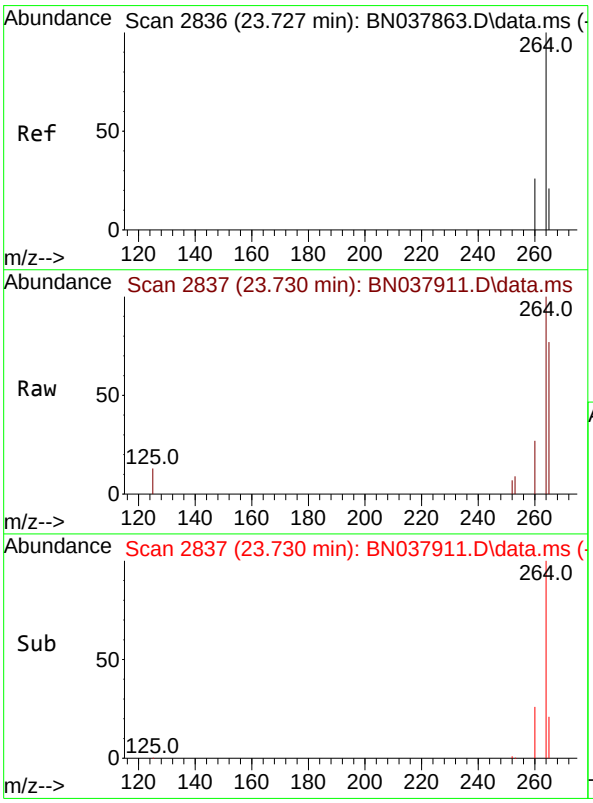
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.087 ng
RT: 21.322 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037911.D
Acq: 26 Sep 2025 05:18

Instrument :
BNA_N
ClientSampleId :
TT190D2-20250918

Tgt Ion:149 Resp: 2228

Ion	Ratio	Lower	Upper
149	100		
167	26.3	20.4	30.6
279	4.9	2.4	3.6#

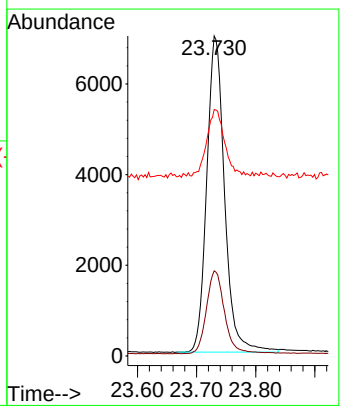




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.730 min Scan# 2837
Delta R.T. 0.003 min
Lab File: BN037911.D
Acq: 26 Sep 2025 05:18

Tgt Ion:264 Resp: 14619

Ion	Ratio	Lower	Upper
264	100		
260	26.6	21.5	32.3
265	77.0	53.8	80.6



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:	09/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/19/25
Client Sample ID:	EB02-20250918	SDG No.:	Q3156
Lab Sample ID:	Q3156-13	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
BN037912.D	1	09/23/25 09:15	09/26/25 05:54	PB169794

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.090	J	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.31		30 - 150		76%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.42		30 - 150		106%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.35		55 - 111		88%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.32		53 - 106		79%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.53		58 - 132		132%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7190	7.818				
1146-65-2	Naphthalene-d8	20700	10.616				
15067-26-2	Acenaphthene-d10	11200	14.473				
1517-22-2	Phenanthrene-d10	22500	17.223				
1719-03-5	Chrysene-d12	16200	21.402				
1520-96-3	Perylene-d12	12900	23.733				

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\BN092525\
Data File : BN037912.D
Acq On : 26 Sep 2025 05:54
Operator : RC/JU
Sample : Q3156-13
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
EB02-20250918

Quant Time: Sep 26 07:39:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration

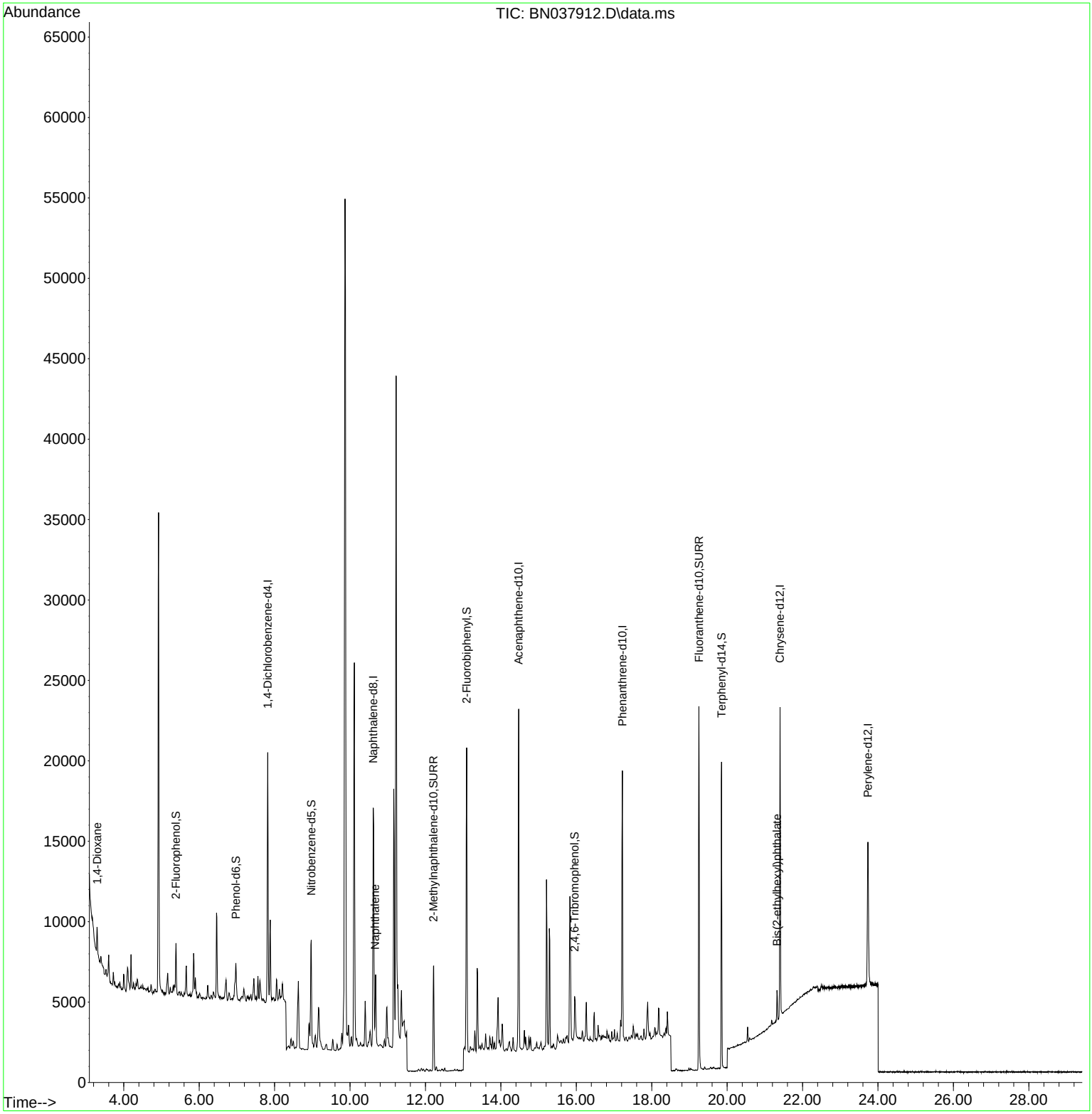
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.818	152	7190	0.400	ng	0.00
7) Naphthalene-d8	10.616	136	20705	0.400	ng	#-0.01
13) Acenaphthene-d10	14.473	164	11165	0.400	ng	0.00
19) Phenanthrene-d10	17.223	188	22532	0.400	ng	0.00
29) Chrysene-d12	21.402	240	16225	0.400	ng	0.00
35) Perylene-d12	23.733	264	12882	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.384	112	2509	0.153	ng	0.00
5) Phenol-d6	6.973	99	1887	0.088	ng	0.00
8) Nitrobenzene-d5	8.971	82	5598	0.354	ng	0.00
11) 2-Methylnaphthalene-d10	12.212	152	8789	0.306	ng	0.00
14) 2,4,6-Tribromophenol	15.957	330	1618	0.382	ng	-0.01
15) 2-Fluorobiphenyl	13.094	172	14502	0.317	ng	0.00
27) Fluoranthene-d10	19.252	212	24060	0.424	ng	0.00
31) Terphenyl-d14	19.852	244	17046	0.527	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.297	88	669	0.092	ng	# 1
9) Naphthalene	10.669	128	1342	0.024	ng	# 84
34) Bis(2-ethylhexyl)phtha...	21.322	149	1924	0.086	ng	# 98

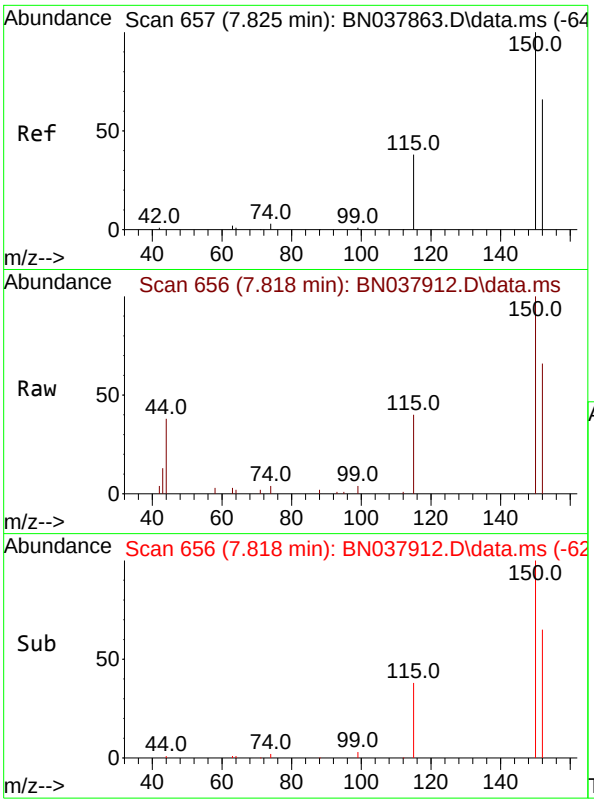
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092525\
Data File : BN037912.D
Acq On : 26 Sep 2025 05:54
Operator : RC/JU
Sample : Q3156-13
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
EB02-20250918

Quant Time: Sep 26 07:39:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration



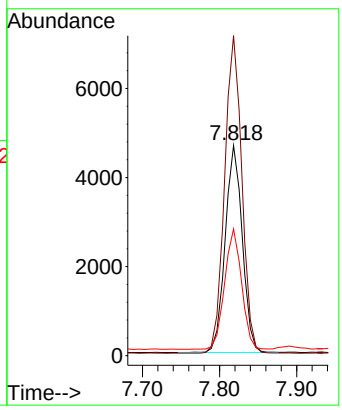


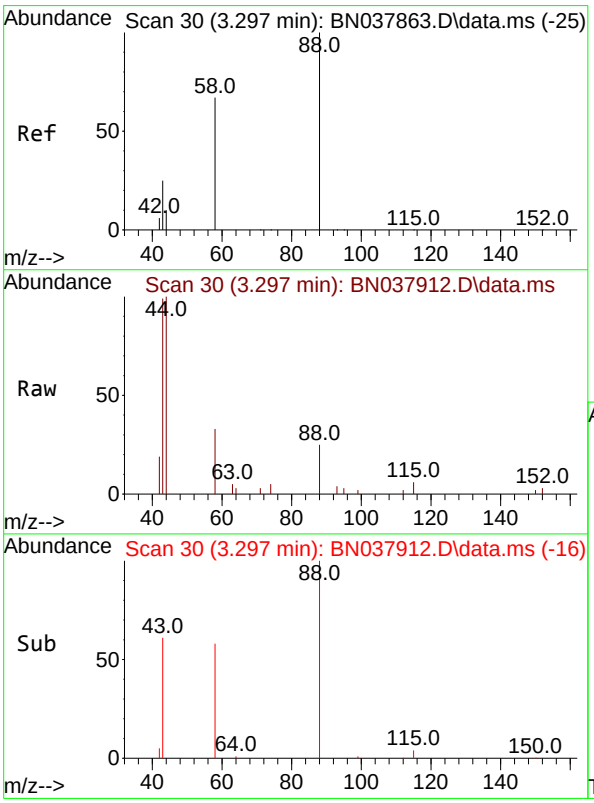
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.818 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN037912.D
Acq: 26 Sep 2025 05:54

Instrument :
BNA_N
ClientSampleId :
EB02-20250918

Tgt Ion:152 Resp: 7190

Ion	Ratio	Lower	Upper
152	100		
150	152.2	121.0	181.4
115	60.2	47.4	71.0

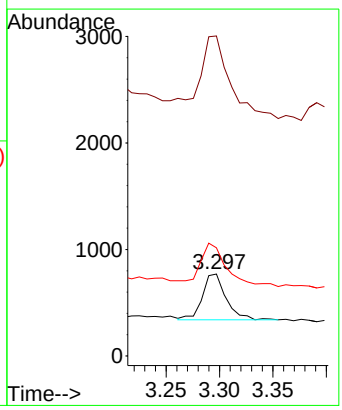


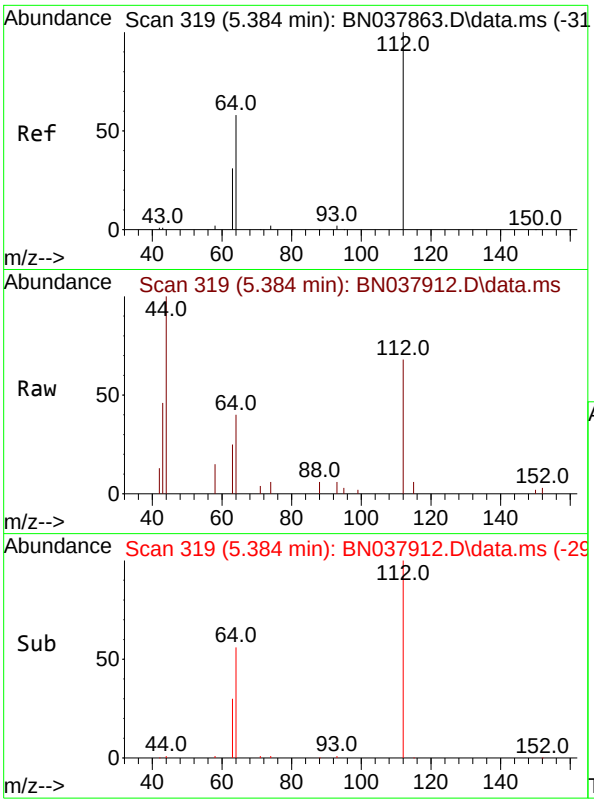


#2
1,4-Dioxane
Concen: 0.092 ng
RT: 3.297 min Scan# 30
Delta R.T. -0.000 min
Lab File: BN037912.D
Acq: 26 Sep 2025 05:54

Tgt Ion: 88 Resp: 669

Ion	Ratio	Lower	Upper
88	100		
43	219.1	26.6	39.8#
58	103.7	58.9	88.3#



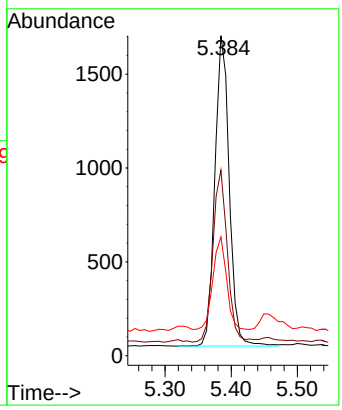


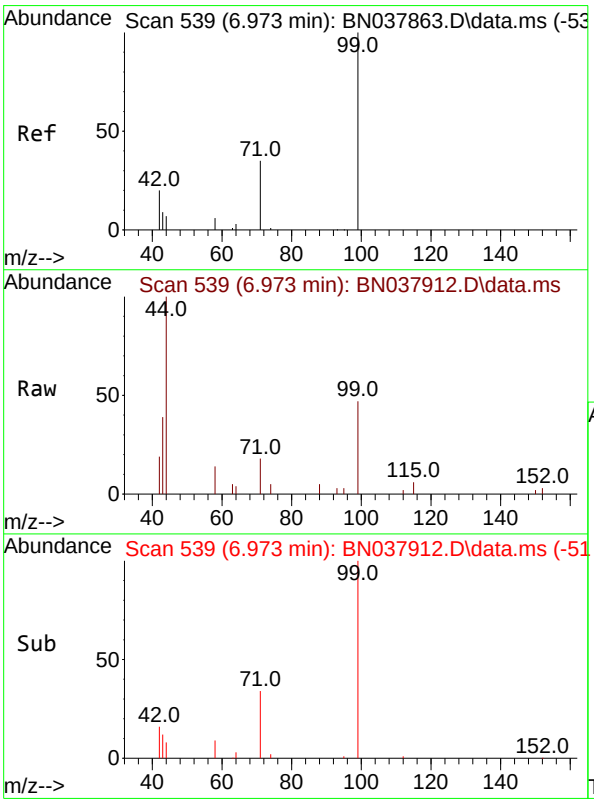
#4
2-Fluorophenol
Concen: 0.153 ng
RT: 5.384 min Scan# 31
Delta R.T. -0.000 min
Lab File: BN037912.D
Acq: 26 Sep 2025 05:54

Instrument :
BNA_N
ClientSampleId :
EB02-20250918

Tgt Ion:112 Resp: 2509

Ion	Ratio	Lower	Upper
112	100		
64	55.3	44.6	66.8
63	30.0	24.9	37.3

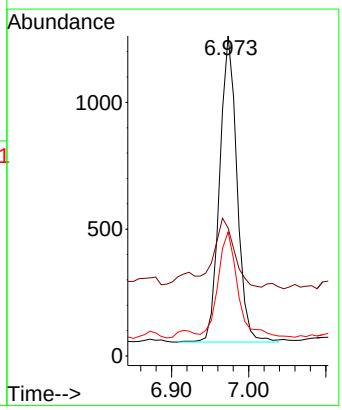


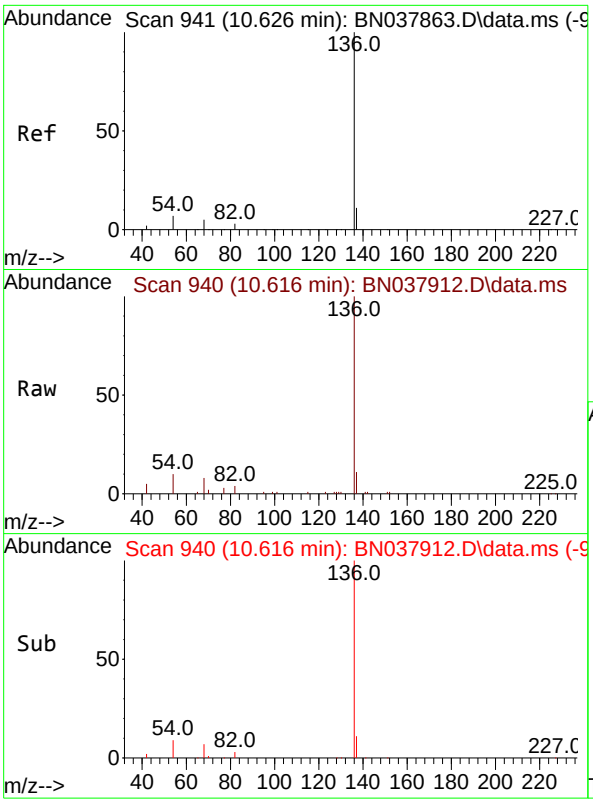


#5
Phenol-d6
Concen: 0.088 ng
RT: 6.973 min Scan# 539
Delta R.T. -0.000 min
Lab File: BN037912.D
Acq: 26 Sep 2025 05:54

Tgt Ion: 99 Resp: 1887

Ion	Ratio	Lower	Upper
99	100		
42	25.5	17.2	25.8
71	39.0	27.3	40.9



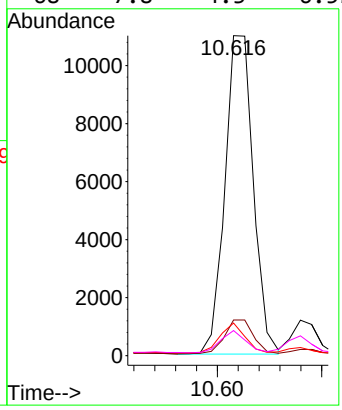


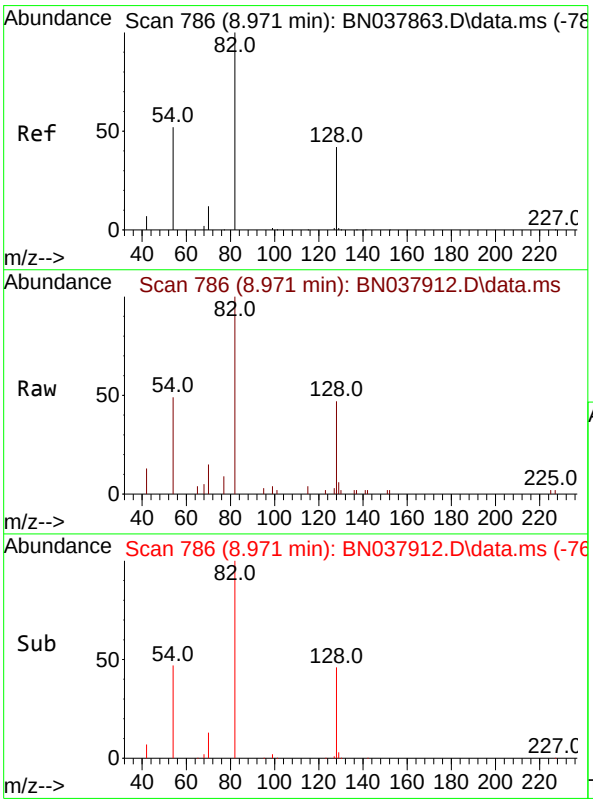
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.616 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037912.D
Acq: 26 Sep 2025 05:54

Instrument :
BNA_N
ClientSampleId :
EB02-20250918

Tgt Ion:136 Resp: 20705

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	10.2	5.8	8.8#
68	7.8	4.3	6.5#

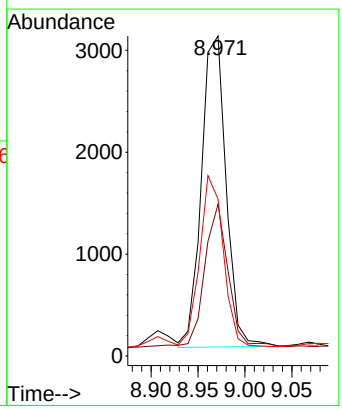


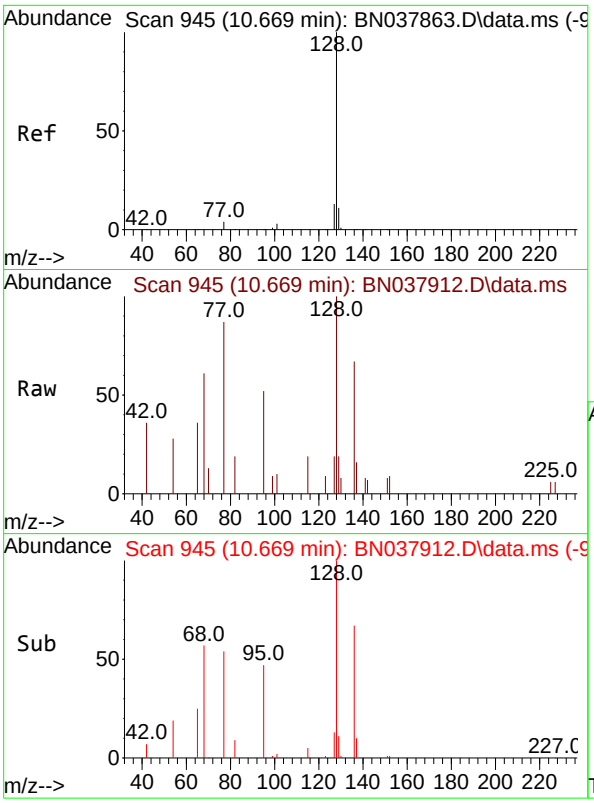


#8
Nitrobenzene-d5
Concen: 0.354 ng
RT: 8.971 min Scan# 786
Delta R.T. -0.000 min
Lab File: BN037912.D
Acq: 26 Sep 2025 05:54

Tgt Ion: 82 Resp: 5598

Ion	Ratio	Lower	Upper
82	100		
128	47.4	34.8	52.2
54	49.0	42.2	63.2



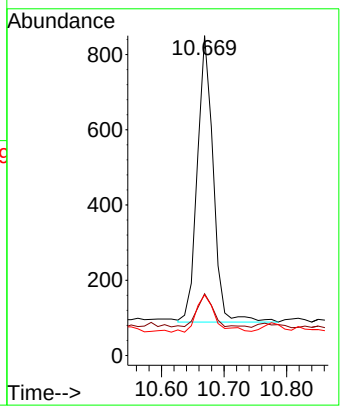


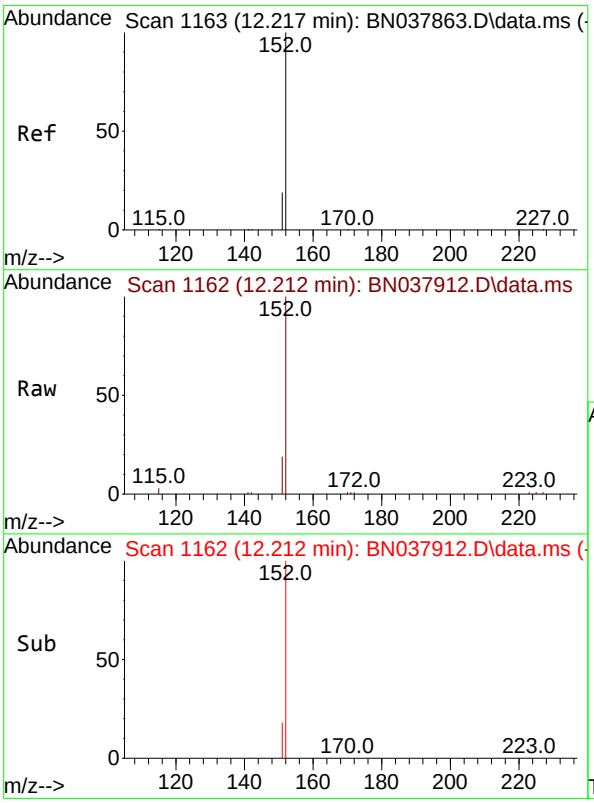
#9
Naphthalene
Concen: 0.024 ng
RT: 10.669 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN037912.D
Acq: 26 Sep 2025 05:54

Instrument :
BNA_N
ClientSampleId :
EB02-20250918

Tgt Ion:128 Resp: 1342

Ion	Ratio	Lower	Upper
128	100		
129	19.3	9.2	13.8#
127	18.9	11.0	16.6#

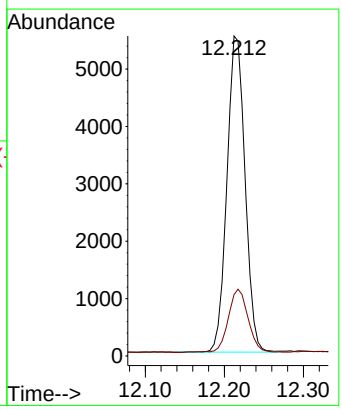


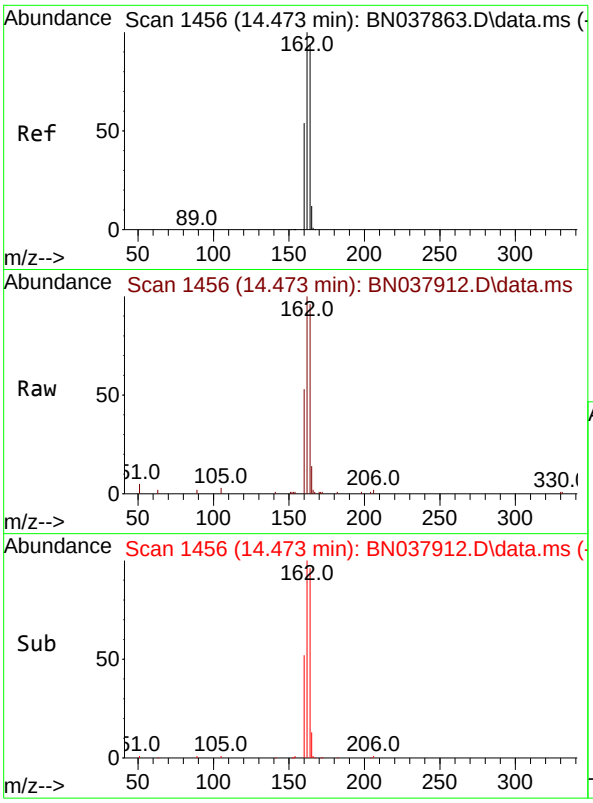


#11
2-Methylnaphthalene-d10
Concen: 0.306 ng
RT: 12.212 min Scan# 1162
Delta R.T. -0.005 min
Lab File: BN037912.D
Acq: 26 Sep 2025 05:54

Tgt Ion:152 Resp: 8789

Ion	Ratio	Lower	Upper
152	100		
151	22.1	17.4	26.2



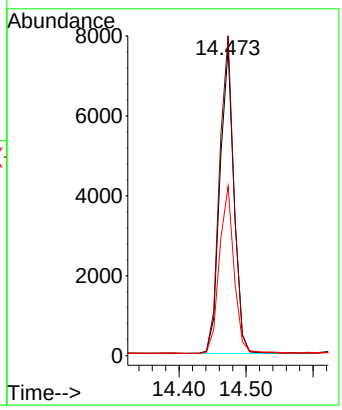


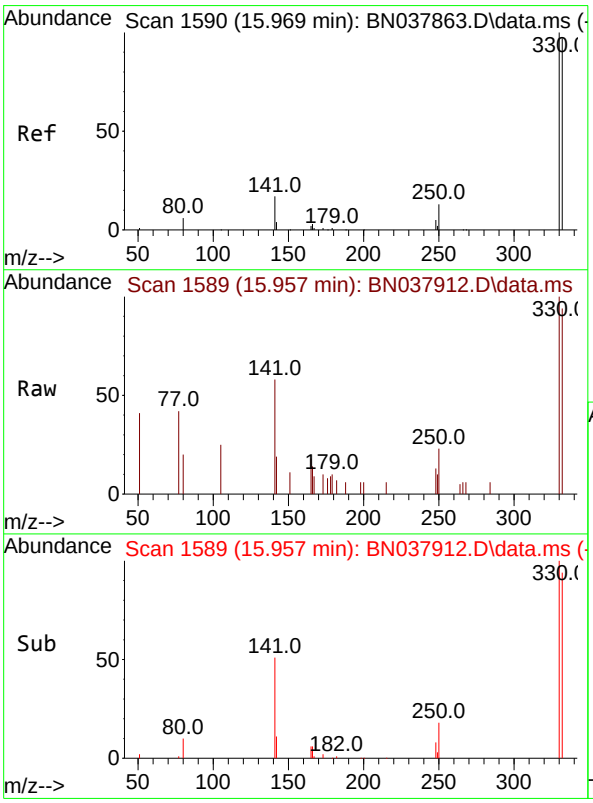
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.473 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN037912.D
Acq: 26 Sep 2025 05:54

Instrument :
BNA_N
ClientSampleId :
EB02-20250918

Tgt Ion:164 Resp: 11165

Ion	Ratio	Lower	Upper
164	100		
162	104.3	84.8	127.2
160	55.2	46.1	69.1

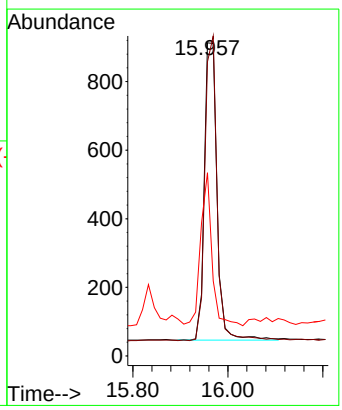


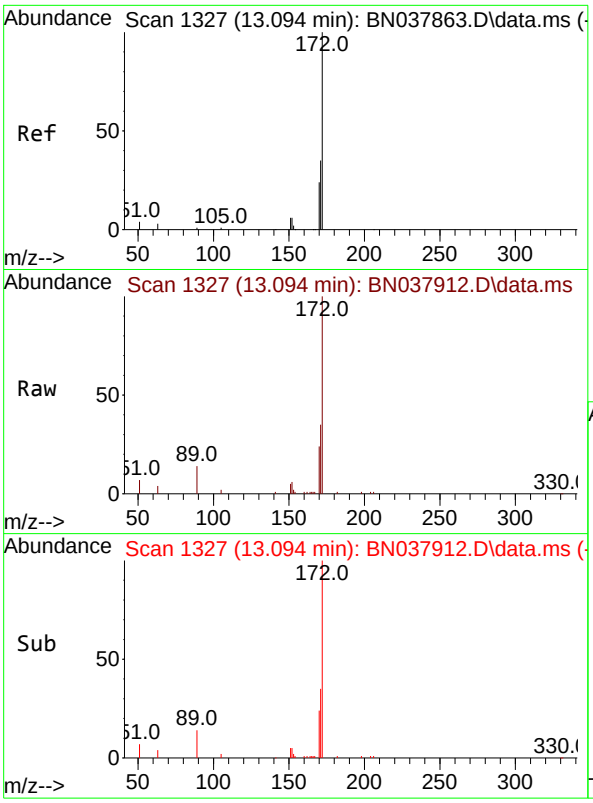


#14
2,4,6-Tribromophenol
Concen: 0.382 ng
RT: 15.957 min Scan# 1589
Delta R.T. -0.012 min
Lab File: BN037912.D
Acq: 26 Sep 2025 05:54

Tgt Ion:330 Resp: 1618

Ion	Ratio	Lower	Upper
330	100		
332	98.1	77.2	115.8
141	45.6	37.2	55.8



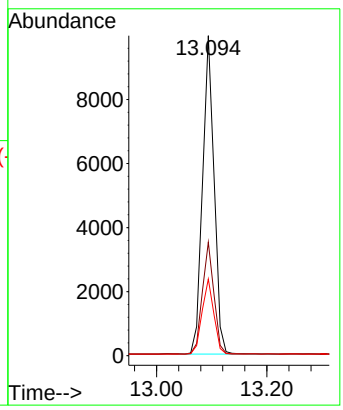


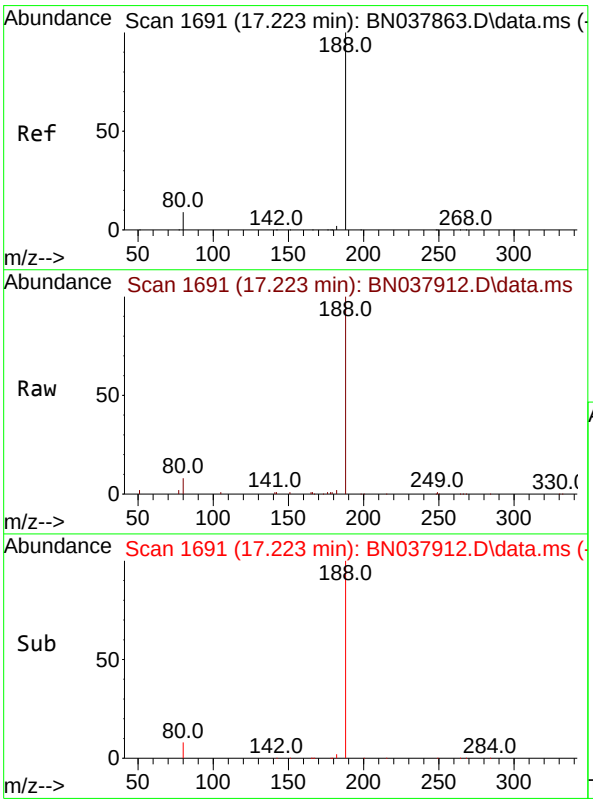
#15
2-Fluorobiphenyl
Concen: 0.317 ng
RT: 13.094 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037912.D
Acq: 26 Sep 2025 05:54

Instrument :
BNA_N
ClientSampleId :
EB02-20250918

Tgt Ion:172 Resp: 14502

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.6	43.0
170	23.9	19.7	29.5

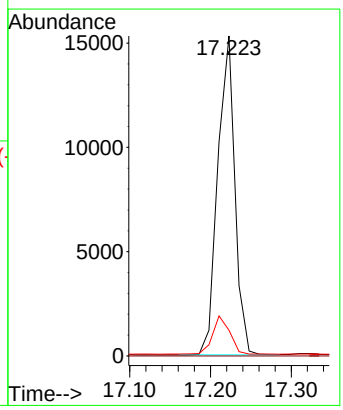


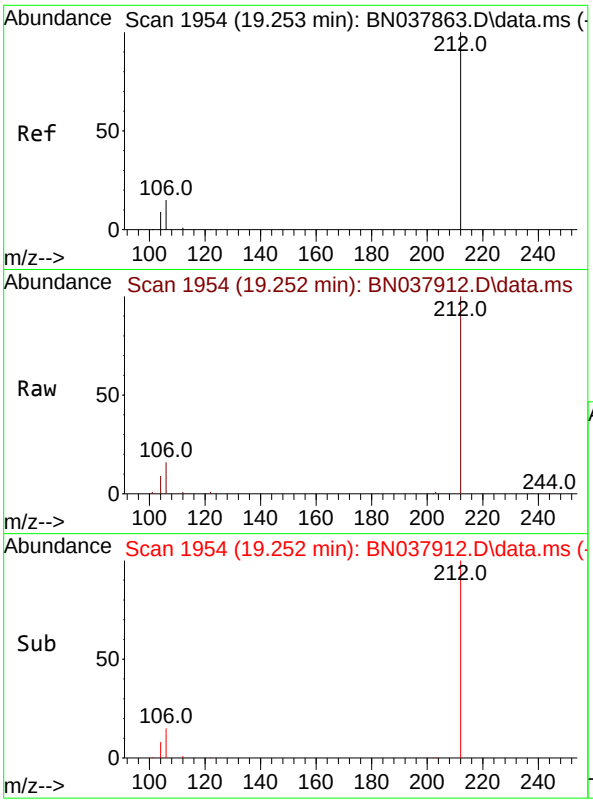


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.223 min Scan# 1691
Delta R.T. -0.000 min
Lab File: BN037912.D
Acq: 26 Sep 2025 05:54

Tgt Ion:188 Resp: 22532

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.1	7.6	11.4



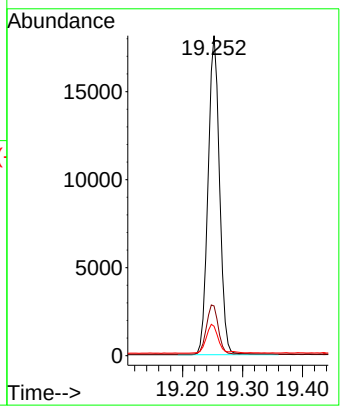


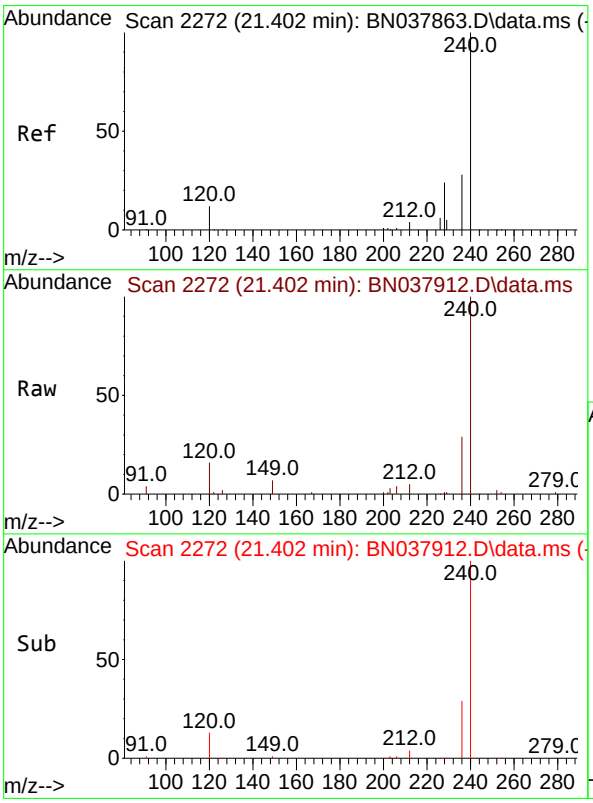
#27
Fluoranthene-d10
Concen: 0.424 ng
RT: 19.252 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037912.D
Acq: 26 Sep 2025 05:54

Instrument :
BNA_N
ClientSampleId :
EB02-20250918

Tgt Ion:212 Resp: 24060

Ion	Ratio	Lower	Upper
212	100		
106	16.0	12.6	19.0
104	9.5	7.4	11.0

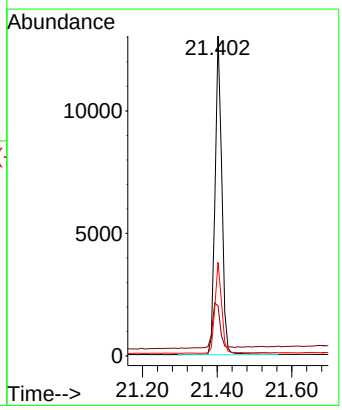


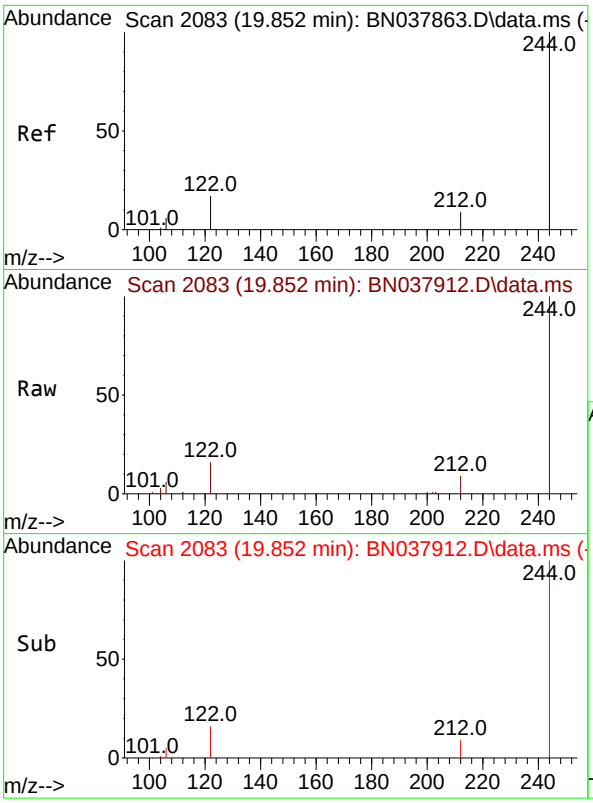


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.402 min Scan# 2272
Delta R.T. -0.000 min
Lab File: BN037912.D
Acq: 26 Sep 2025 05:54

Tgt Ion:240 Resp: 16225

Ion	Ratio	Lower	Upper
240	100		
120	15.6	11.4	17.2
236	29.3	23.0	34.6



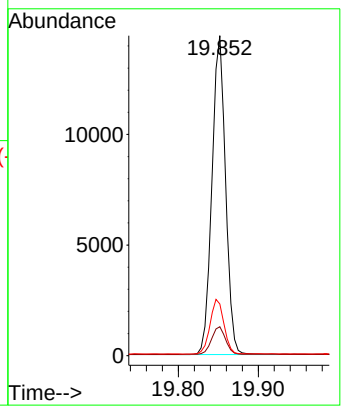


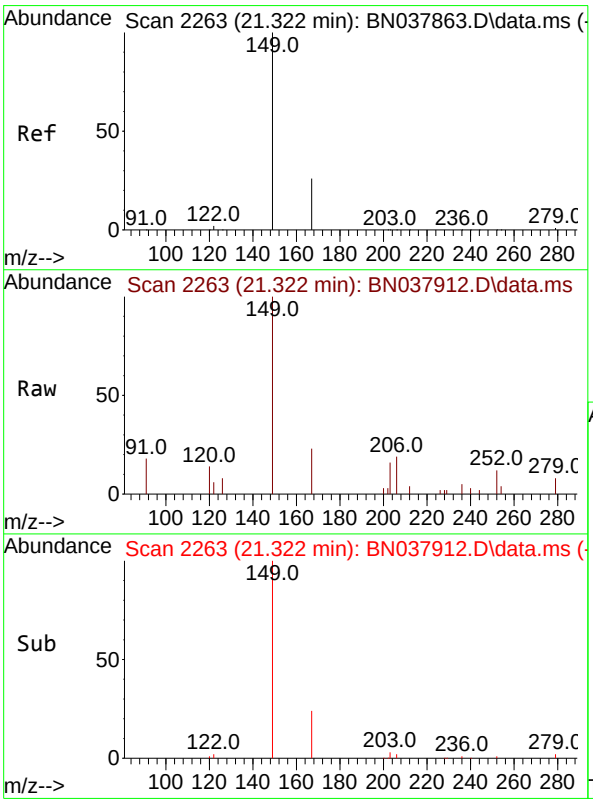
#31
Terphenyl-d14
Concen: 0.527 ng
RT: 19.852 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037912.D
Acq: 26 Sep 2025 05:54

Instrument :
BNA_N
ClientSampleId :
EB02-20250918

Tgt Ion:244 Resp: 17046

Ion	Ratio	Lower	Upper
244	100		
212	9.1	7.6	11.4
122	16.1	13.9	20.9

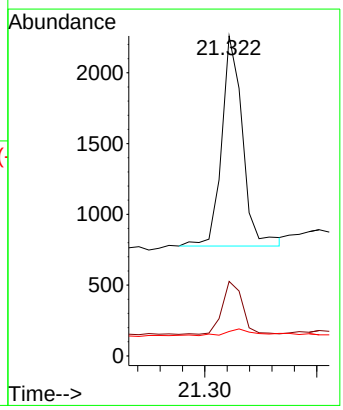


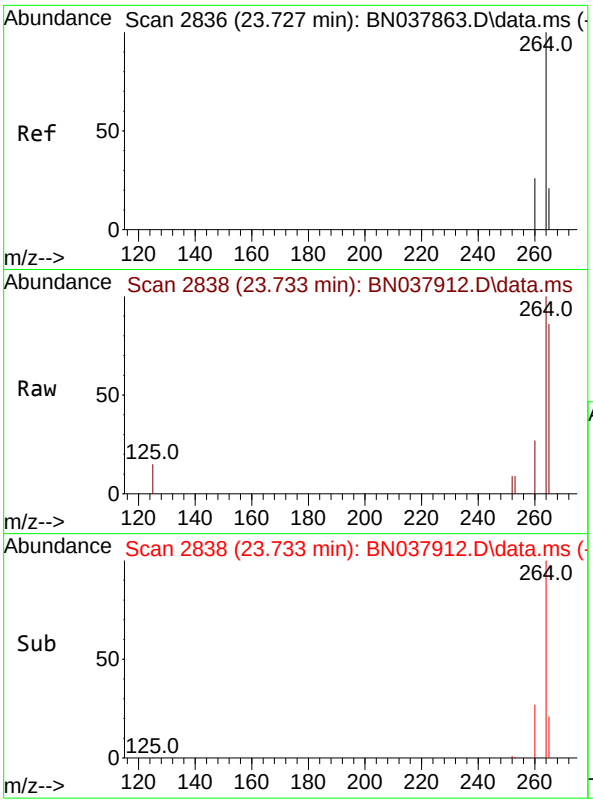


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.086 ng
RT: 21.322 min Scan# 2263
Delta R.T. -0.000 min
Lab File: BN037912.D
Acq: 26 Sep 2025 05:54

Tgt Ion:149 Resp: 1924

Ion	Ratio	Lower	Upper
149	100		
167	24.6	20.4	30.6
279	4.3	2.4	3.6#



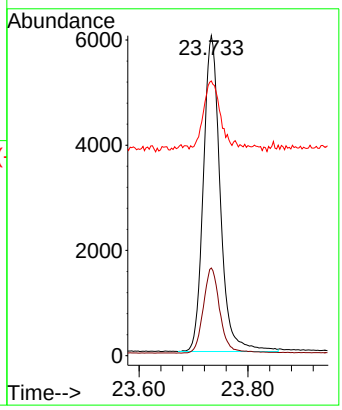


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.733 min Scan# 2
Delta R.T. 0.006 min
Lab File: BN037912.D
Acq: 26 Sep 2025 05:54

Instrument :
BNA_N
ClientSampleId :
EB02-20250918

Tgt Ion:264 Resp: 12882

Ion	Ratio	Lower	Upper
264	100		
260	27.4	21.5	32.3
265	85.9	53.8	80.6#



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:	09/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/19/25
Client Sample ID:	EB03-20250918	SDG No.:	Q3156
Lab Sample ID:	Q3156-14	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
BN037913.D	1	09/23/25 09:15	09/26/25 06:30	PB169794

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	0.36		30 - 150		89%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.43		30 - 150		108%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.36		55 - 111		90%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.36		53 - 106		89%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.61	*	58 - 132		152%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6450	7.818				
1146-65-2	Naphthalene-d8	20000	10.616				
15067-26-2	Acenaphthene-d10	11000	14.473				
1517-22-2	Phenanthrene-d10	21800	17.223				
1719-03-5	Chrysene-d12	15800	21.402				
1520-96-3	Perylene-d12	12200	23.73				

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\BN092525\
Data File : BN037913.D
Acq On : 26 Sep 2025 06:30
Operator : RC/JU
Sample : Q3156-14
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
EB03-20250918

Quant Time: Sep 26 07:40:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration

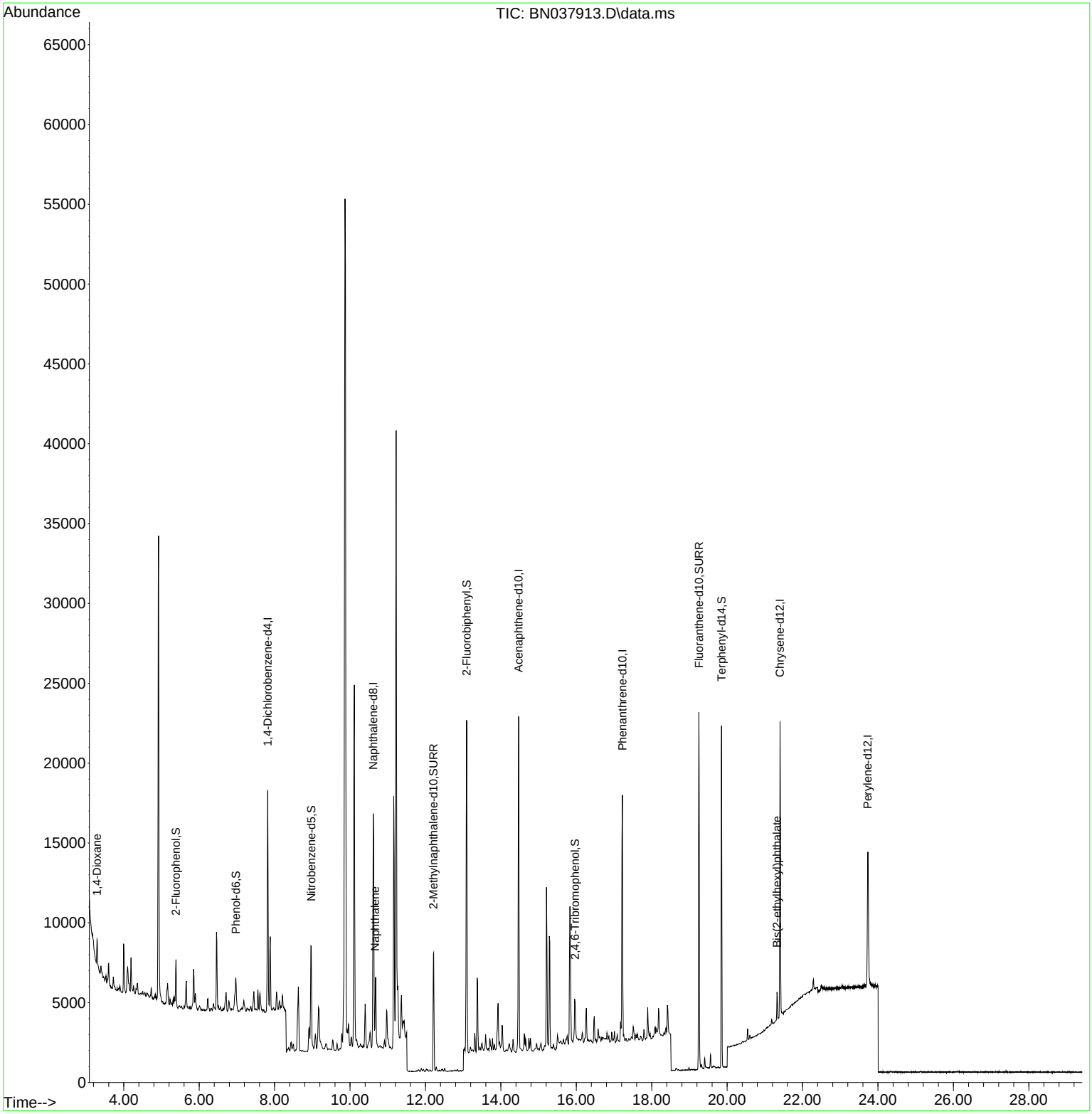
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.818	152	6448	0.400	ng	0.00
7) Naphthalene-d8	10.616	136	20010	0.400	ng	#-0.01
13) Acenaphthene-d10	14.473	164	10991	0.400	ng	0.00
19) Phenanthrene-d10	17.223	188	21769	0.400	ng	0.00
29) Chrysene-d12	21.402	240	15802	0.400	ng	0.00
35) Perylene-d12	23.730	264	12170	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.384	112	2258	0.153	ng	0.00
5) Phenol-d6	6.973	99	1731	0.090	ng	0.00
8) Nitrobenzene-d5	8.971	82	5500	0.360	ng	0.00
11) 2-Methylnaphthalene-d10	12.212	152	9861	0.355	ng	0.00
14) 2,4,6-Tribromophenol	15.969	330	1575	0.378	ng	0.00
15) 2-Fluorobiphenyl	13.094	172	15980	0.355	ng	0.00
27) Fluoranthene-d10	19.252	212	23782	0.434	ng	0.00
31) Terphenyl-d14	19.852	244	19137	0.608	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.290	88	688	0.105	ng	# 1
9) Naphthalene	10.669	128	1263	0.023	ng	# 83
34) Bis(2-ethylhexyl)phtha...	21.322	149	1816	0.083	ng	# 99

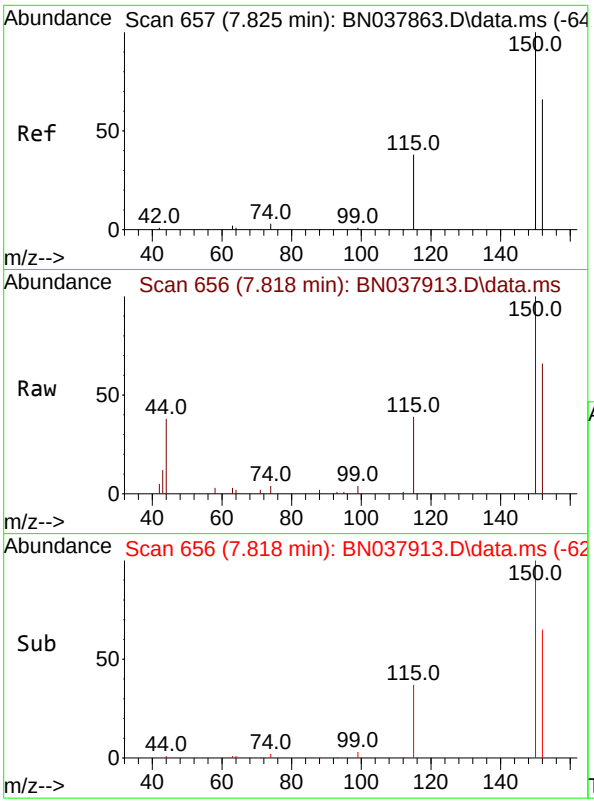
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092525\
Data File : BN037913.D
Acq On : 26 Sep 2025 06:30
Operator : RC/JU
Sample : Q3156-14
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
EB03-20250918

Quant Time: Sep 26 07:40:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration



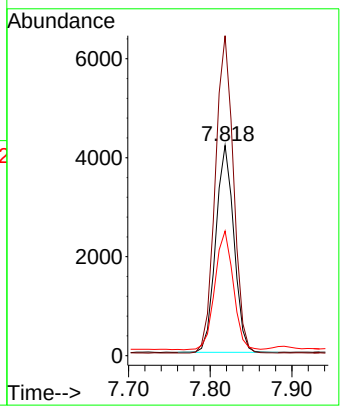


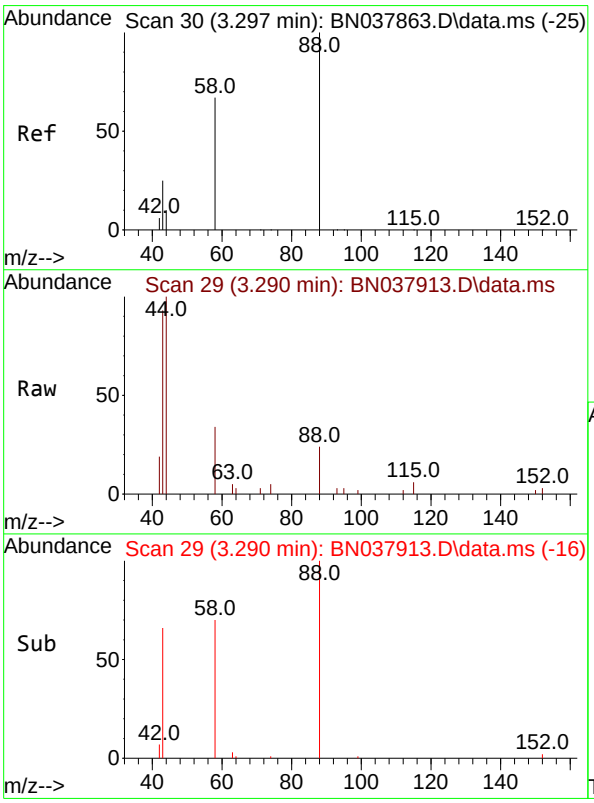
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.818 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN037913.D
Acq: 26 Sep 2025 06:30

Instrument :
BNA_N
ClientSampleId :
EB03-20250918

Tgt Ion:152 Resp: 6448

Ion	Ratio	Lower	Upper
152	100		
150	152.2	121.0	181.4
115	59.3	47.4	71.0

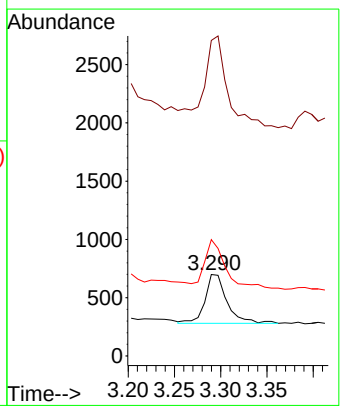


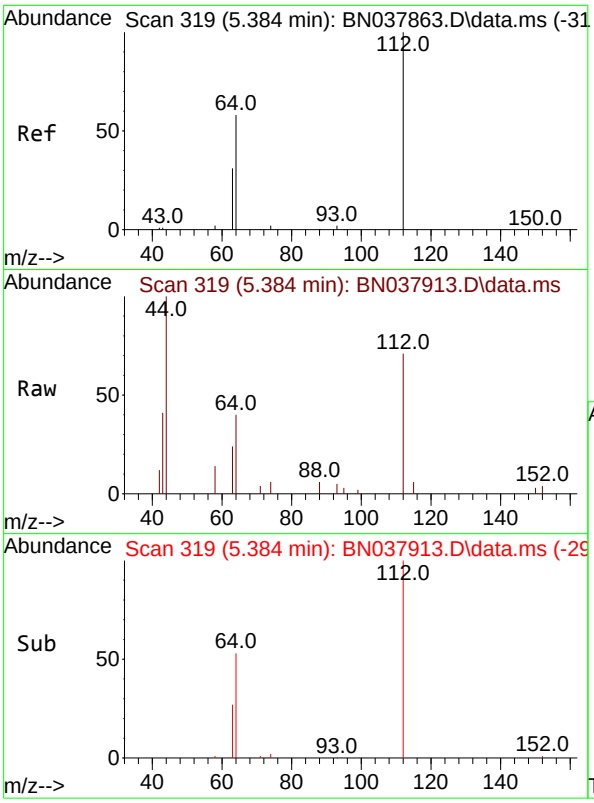


#2
1,4-Dioxane
Concen: 0.105 ng
RT: 3.290 min Scan# 29
Delta R.T. -0.007 min
Lab File: BN037913.D
Acq: 26 Sep 2025 06:30

Tgt Ion: 88 Resp: 688

Ion	Ratio	Lower	Upper
88	100		
43	190.1	26.6	39.8#
58	91.3	58.9	88.3#



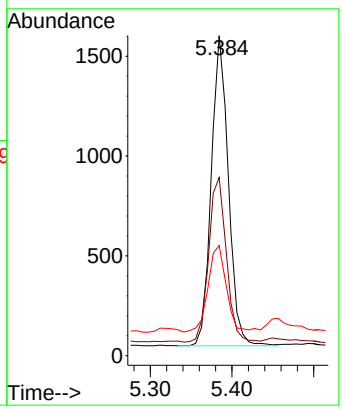


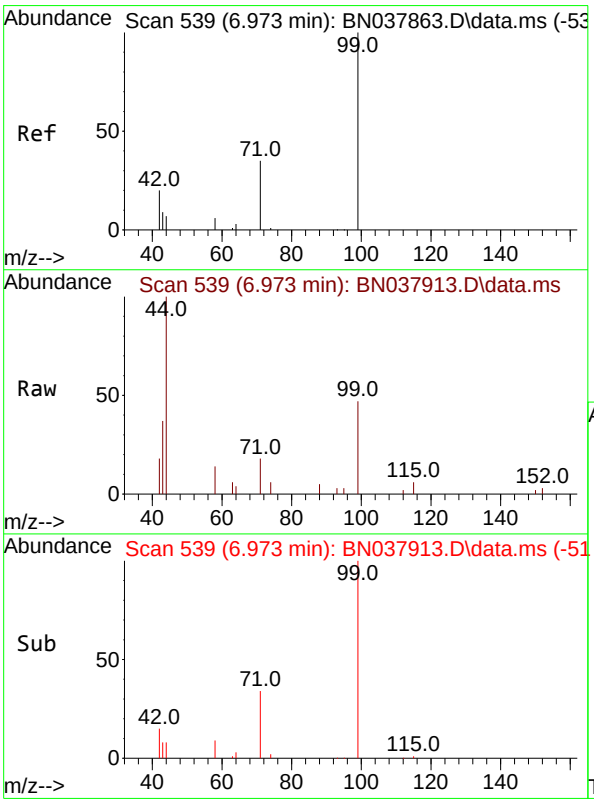
#4
2-Fluorophenol
Concen: 0.153 ng
RT: 5.384 min Scan# 31
Delta R.T. -0.000 min
Lab File: BN037913.D
Acq: 26 Sep 2025 06:30

Instrument :
BNA_N
ClientSampleId :
EB03-20250918

Tgt Ion:112 Resp: 2258

Ion	Ratio	Lower	Upper
112	100		
64	55.3	44.6	66.8
63	29.5	24.9	37.3

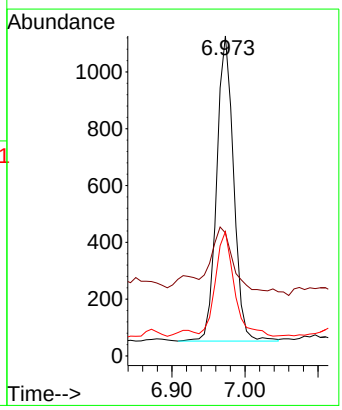


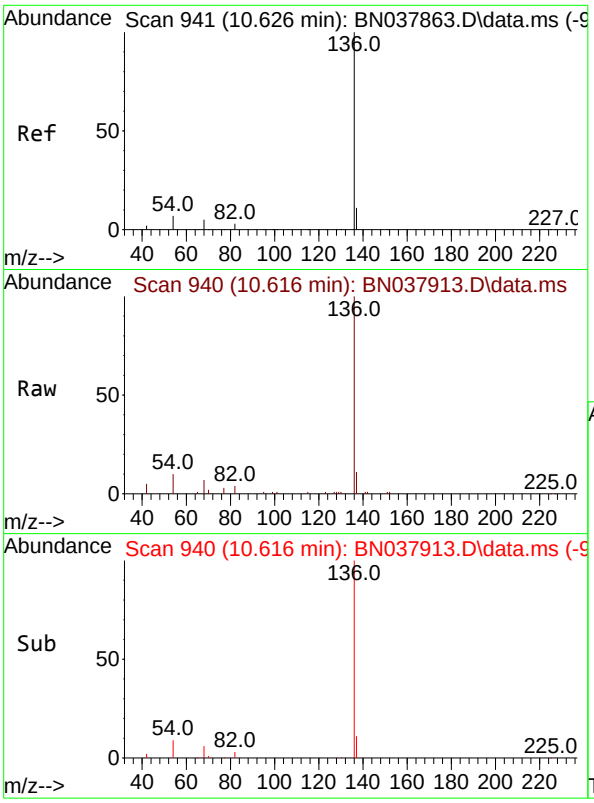


#5
Phenol-d6
Concen: 0.090 ng
RT: 6.973 min Scan# 539
Delta R.T. -0.000 min
Lab File: BN037913.D
Acq: 26 Sep 2025 06:30

Tgt Ion: 99 Resp: 1731

Ion	Ratio	Lower	Upper
99	100		
42	31.8	17.2	25.8#
71	37.5	27.3	40.9



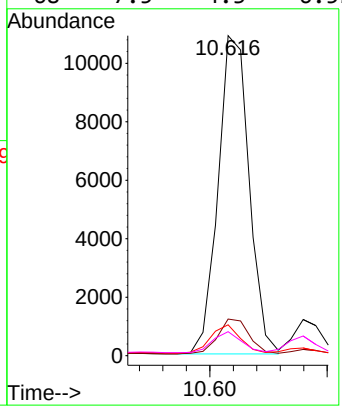


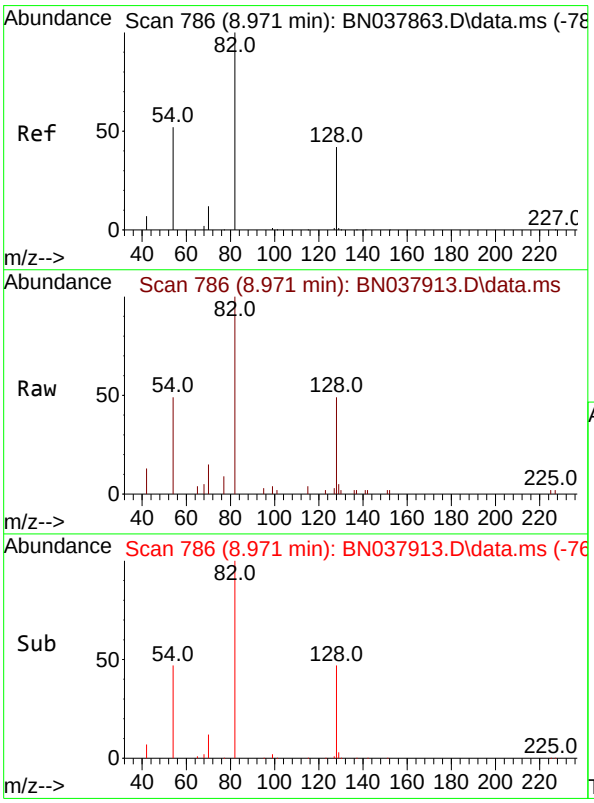
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.616 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037913.D
Acq: 26 Sep 2025 06:30

Instrument :
BNA_N
ClientSampleId :
EB03-20250918

Tgt Ion:136 Resp: 20010

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.0	13.4
54	9.6	5.8	8.8#
68	7.5	4.3	6.5#

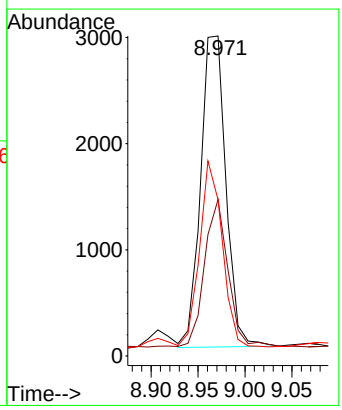


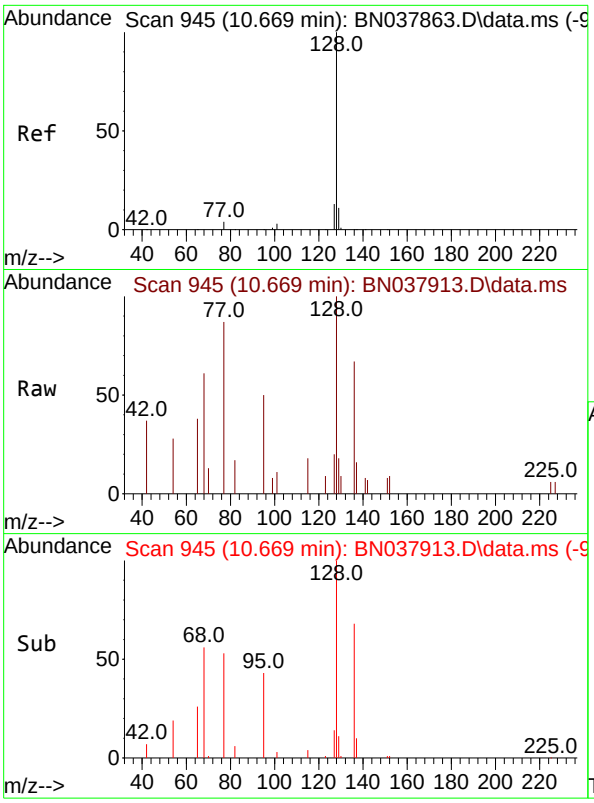


#8
Nitrobenzene-d5
Concen: 0.360 ng
RT: 8.971 min Scan# 786
Delta R.T. -0.000 min
Lab File: BN037913.D
Acq: 26 Sep 2025 06:30

Tgt Ion: 82 Resp: 5500

Ion	Ratio	Lower	Upper
82	100		
128	48.9	34.8	52.2
54	48.8	42.2	63.2



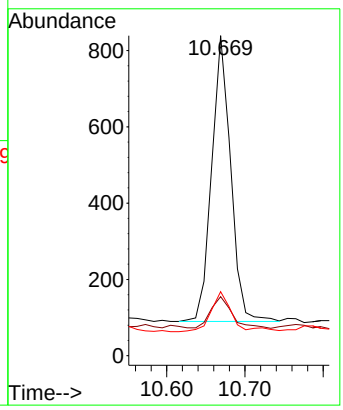


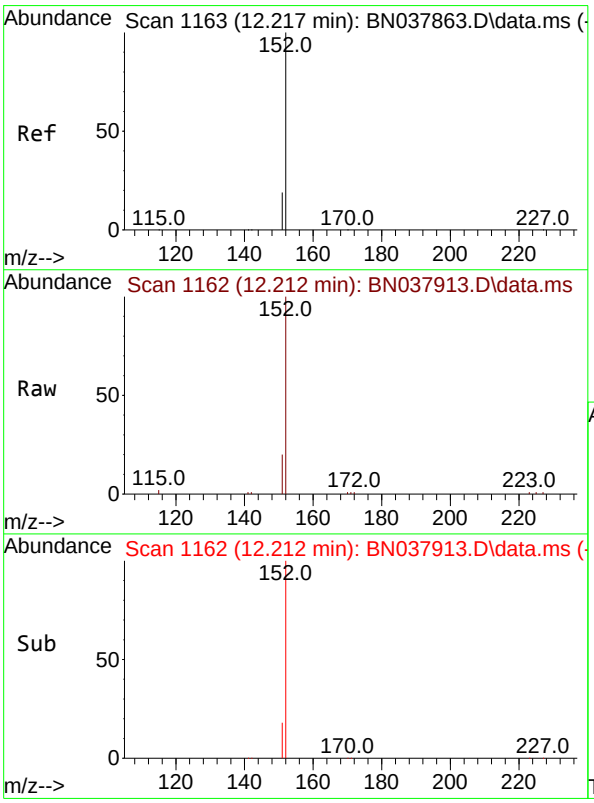
#9
Naphthalene
Concen: 0.023 ng
RT: 10.669 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN037913.D
Acq: 26 Sep 2025 06:30

Instrument :
BNA_N
ClientSampleId :
EB03-20250918

Tgt Ion:128 Resp: 1263

Ion	Ratio	Lower	Upper
128	100		
129	18.5	9.2	13.8#
127	20.0	11.0	16.6#

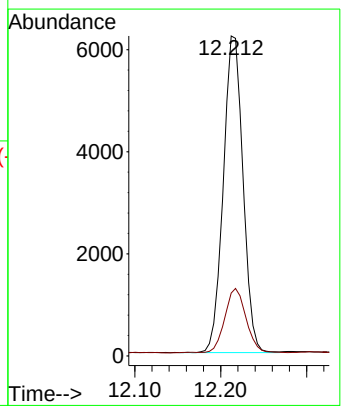


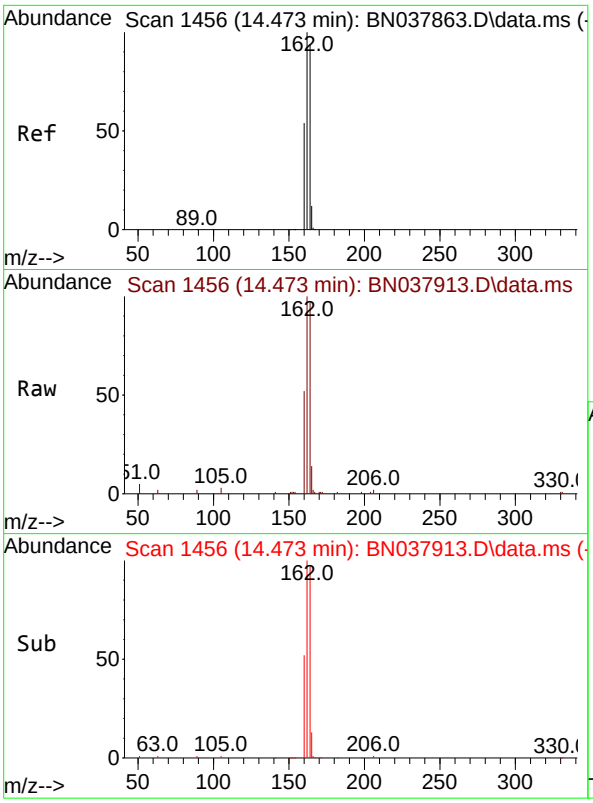


#11
2-Methylnaphthalene-d10
Concen: 0.355 ng
RT: 12.212 min Scan# 1162
Delta R.T. -0.005 min
Lab File: BN037913.D
Acq: 26 Sep 2025 06:30

Tgt Ion:152 Resp: 9861

Ion	Ratio	Lower	Upper
152	100		
151	21.7	17.4	26.2



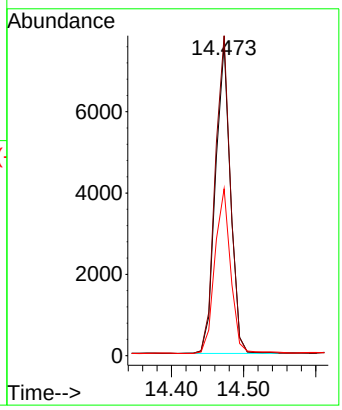


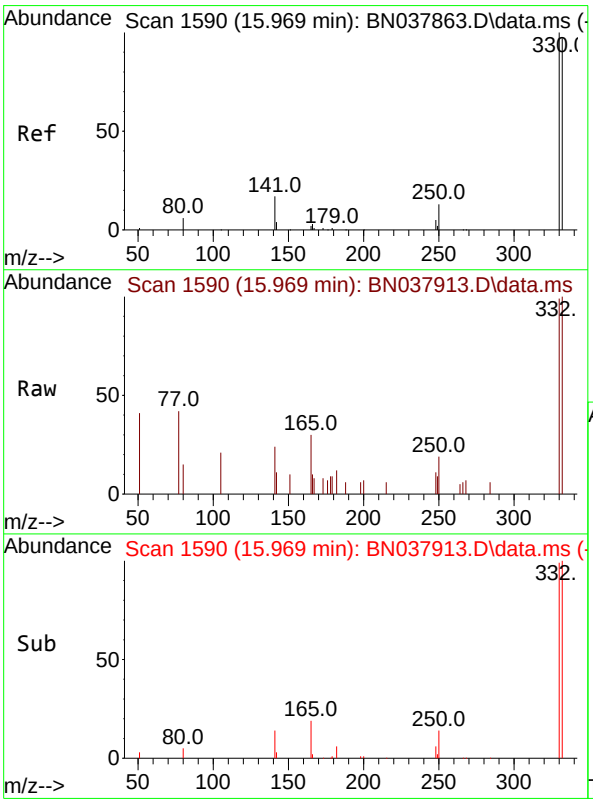
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.473 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN037913.D
Acq: 26 Sep 2025 06:30

Instrument :
BNA_N
ClientSampleId :
EB03-20250918

Tgt Ion:164 Resp: 10991

Ion	Ratio	Lower	Upper
164	100		
162	102.9	84.8	127.2
160	53.7	46.1	69.1

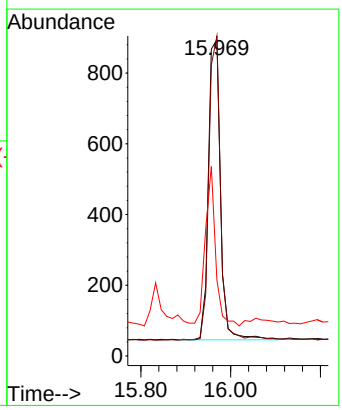


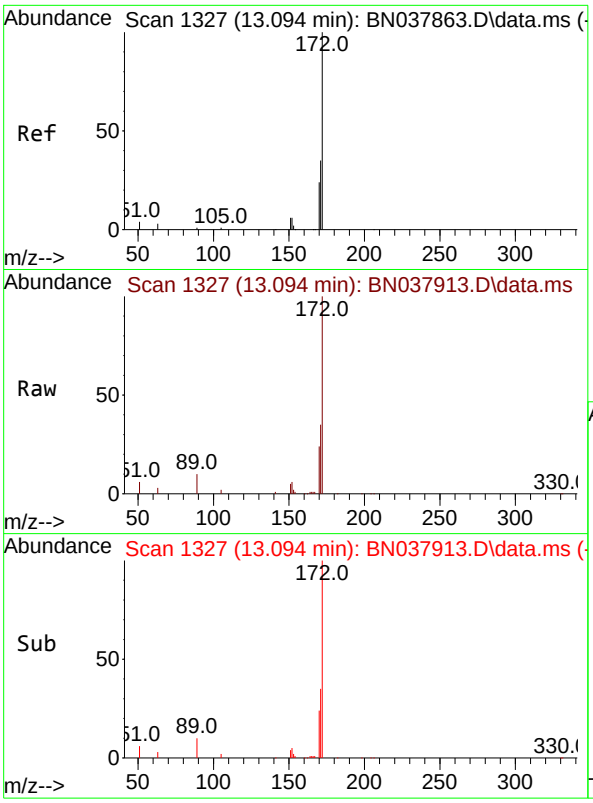


#14
2,4,6-Tribromophenol
Concen: 0.378 ng
RT: 15.969 min Scan# 1590
Delta R.T. 0.000 min
Lab File: BN037913.D
Acq: 26 Sep 2025 06:30

Tgt Ion:330 Resp: 1575

Ion	Ratio	Lower	Upper
330	100		
332	97.7	77.2	115.8
141	44.9	37.2	55.8



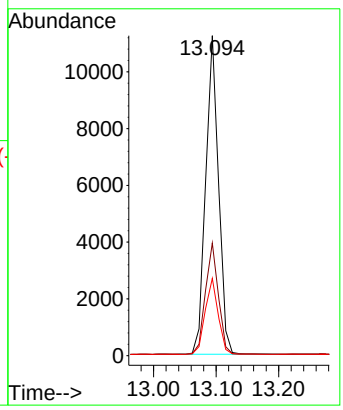


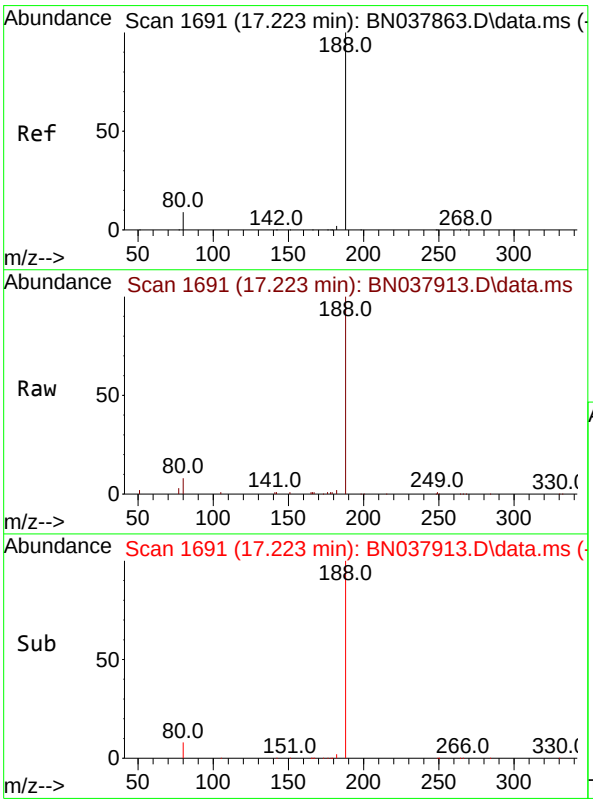
#15
2-Fluorobiphenyl
Concen: 0.355 ng
RT: 13.094 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037913.D
Acq: 26 Sep 2025 06:30

Instrument :
BNA_N
ClientSampleId :
EB03-20250918

Tgt Ion:172 Resp: 15980

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.6	43.0
170	24.1	19.7	29.5

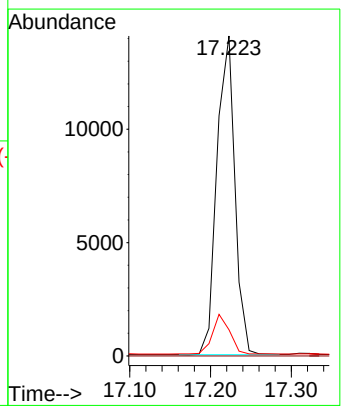


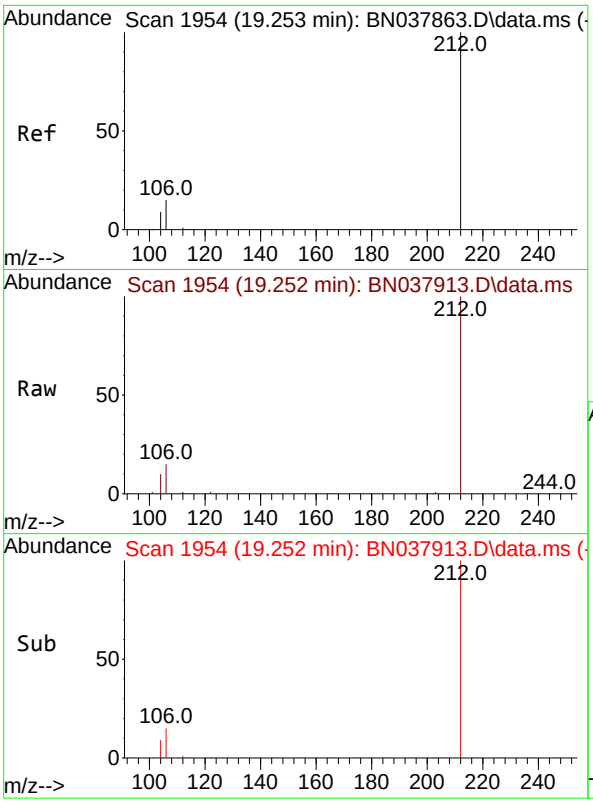


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.223 min Scan# 1691
Delta R.T. -0.000 min
Lab File: BN037913.D
Acq: 26 Sep 2025 06:30

Tgt Ion:188 Resp: 21769

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.2	7.6	11.4



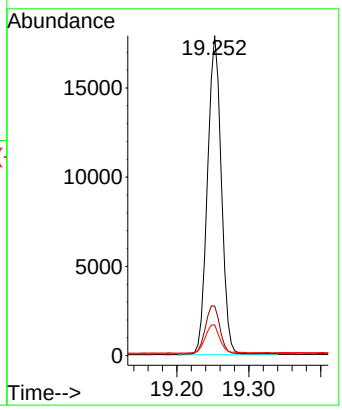


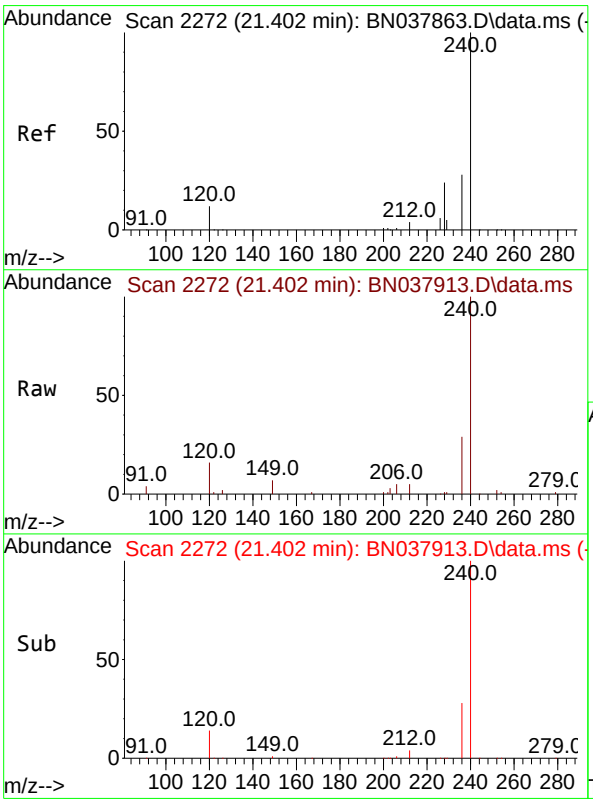
#27
Fluoranthene-d10
Concen: 0.434 ng
RT: 19.252 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037913.D
Acq: 26 Sep 2025 06:30

Instrument :
BNA_N
ClientSampleId :
EB03-20250918

Tgt Ion:212 Resp: 23782

Ion	Ratio	Lower	Upper
212	100		
106	15.8	12.6	19.0
104	9.6	7.4	11.0

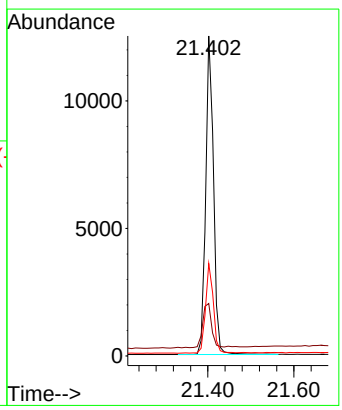


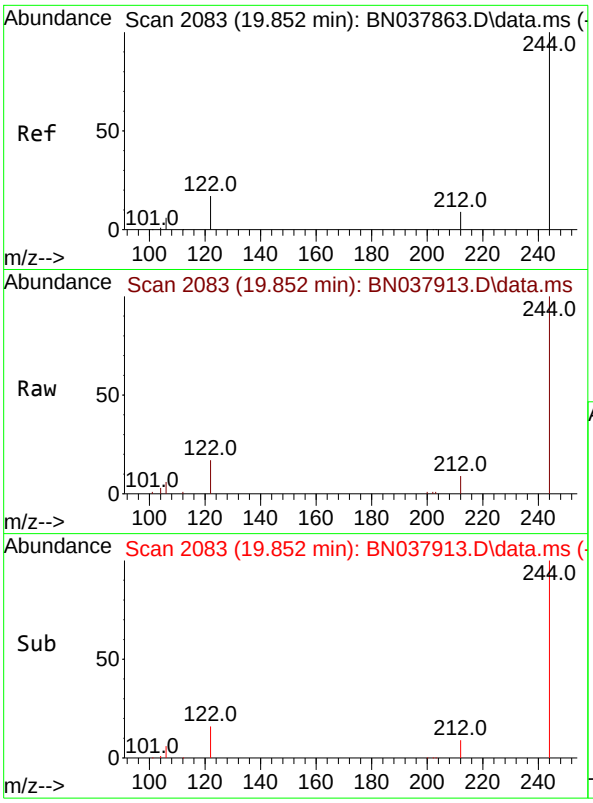


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.402 min Scan# 2272
Delta R.T. -0.000 min
Lab File: BN037913.D
Acq: 26 Sep 2025 06:30

Tgt Ion:240 Resp: 15802

Ion	Ratio	Lower	Upper
240	100		
120	16.4	11.4	17.2
236	28.9	23.0	34.6



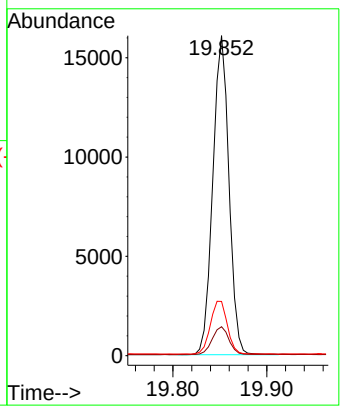


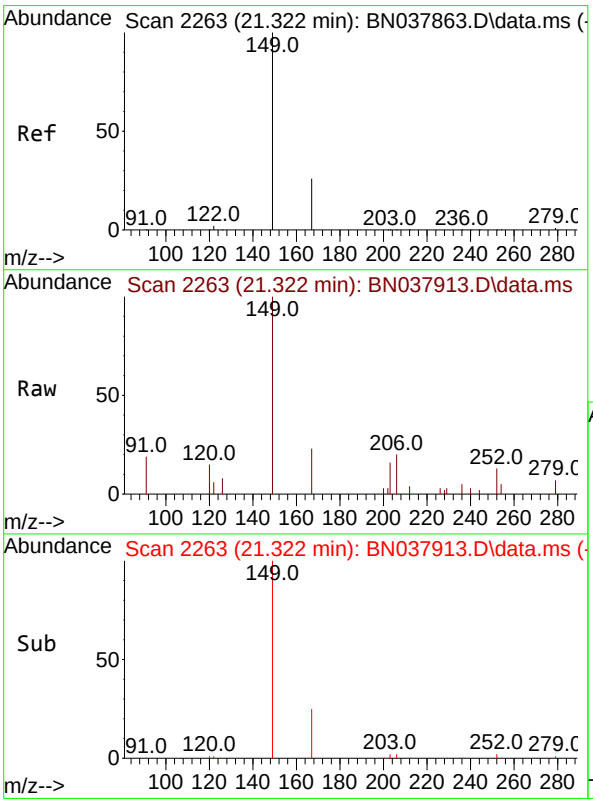
#31
Terphenyl-d14
Concen: 0.608 ng
RT: 19.852 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037913.D
Acq: 26 Sep 2025 06:30

Instrument :
BNA_N
ClientSampleId :
EB03-20250918

Tgt Ion:244 Resp: 19137

Ion	Ratio	Lower	Upper
244	100		
212	9.1	7.6	11.4
122	16.9	13.9	20.9

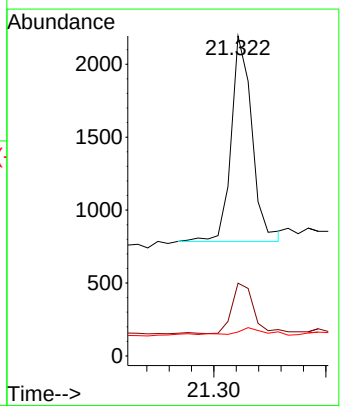


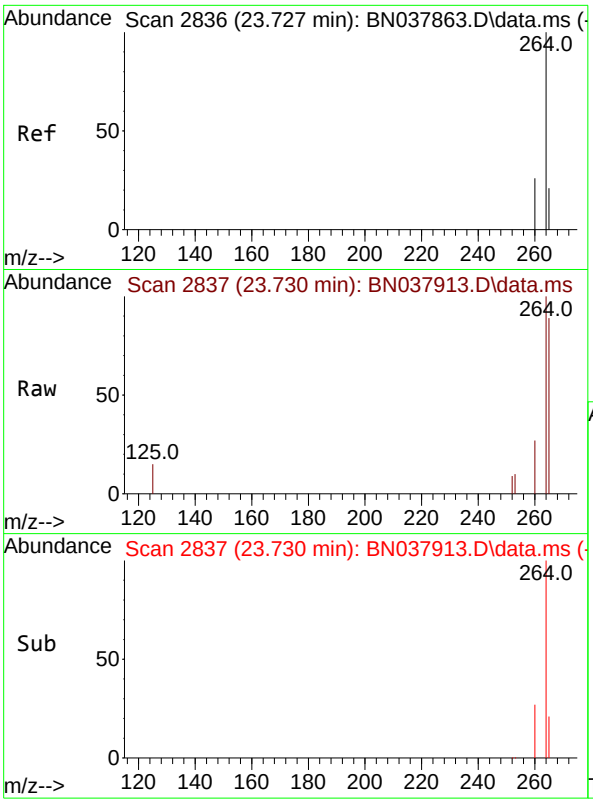


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.083 ng
RT: 21.322 min Scan# 2263
Delta R.T. -0.000 min
Lab File: BN037913.D
Acq: 26 Sep 2025 06:30

Tgt Ion:149 Resp: 1816

Ion	Ratio	Lower	Upper
149	100		
167	25.9	20.4	30.6
279	4.2	2.4	3.6#



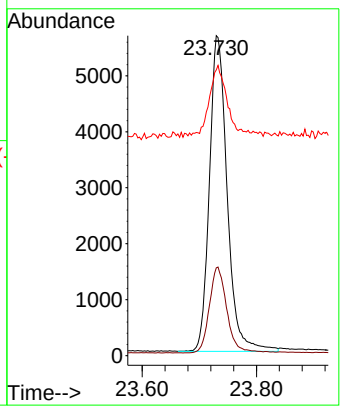


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.730 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN037913.D
Acq: 26 Sep 2025 06:30

Instrument :
BNA_N
ClientSampleId :
EB03-20250918

Tgt Ion:264 Resp: 12170

Ion	Ratio	Lower	Upper
264	100		
260	27.5	21.5	32.3
265	89.3	53.8	80.6#



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:	09/19/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/19/25
Client Sample ID:	RW9-MW01D1-20250919	SDG No.:	Q3156
Lab Sample ID:	Q3156-16	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
BN037914.D	1	09/23/25 09:15	09/26/25 07:06	PB169794

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.36		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.38		30 - 150		94%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.47		30 - 150		116%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.39		55 - 111		97%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.40		53 - 106		100%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.50		58 - 132		126%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	5750	7.818				
1146-65-2	Naphthalene-d8	16900	10.616				
15067-26-2	Acenaphthene-d10	8710	14.473				
1517-22-2	Phenanthrene-d10	18400	17.223				
1719-03-5	Chrysene-d12	15900	21.402				
1520-96-3	Perylene-d12	15300	23.733				

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\BN092525\
Data File : BN037914.D
Acq On : 26 Sep 2025 07:06
Operator : RC/JU
Sample : Q3156-16
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RW9-MW01D1-20250919

Quant Time: Sep 26 07:49:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration

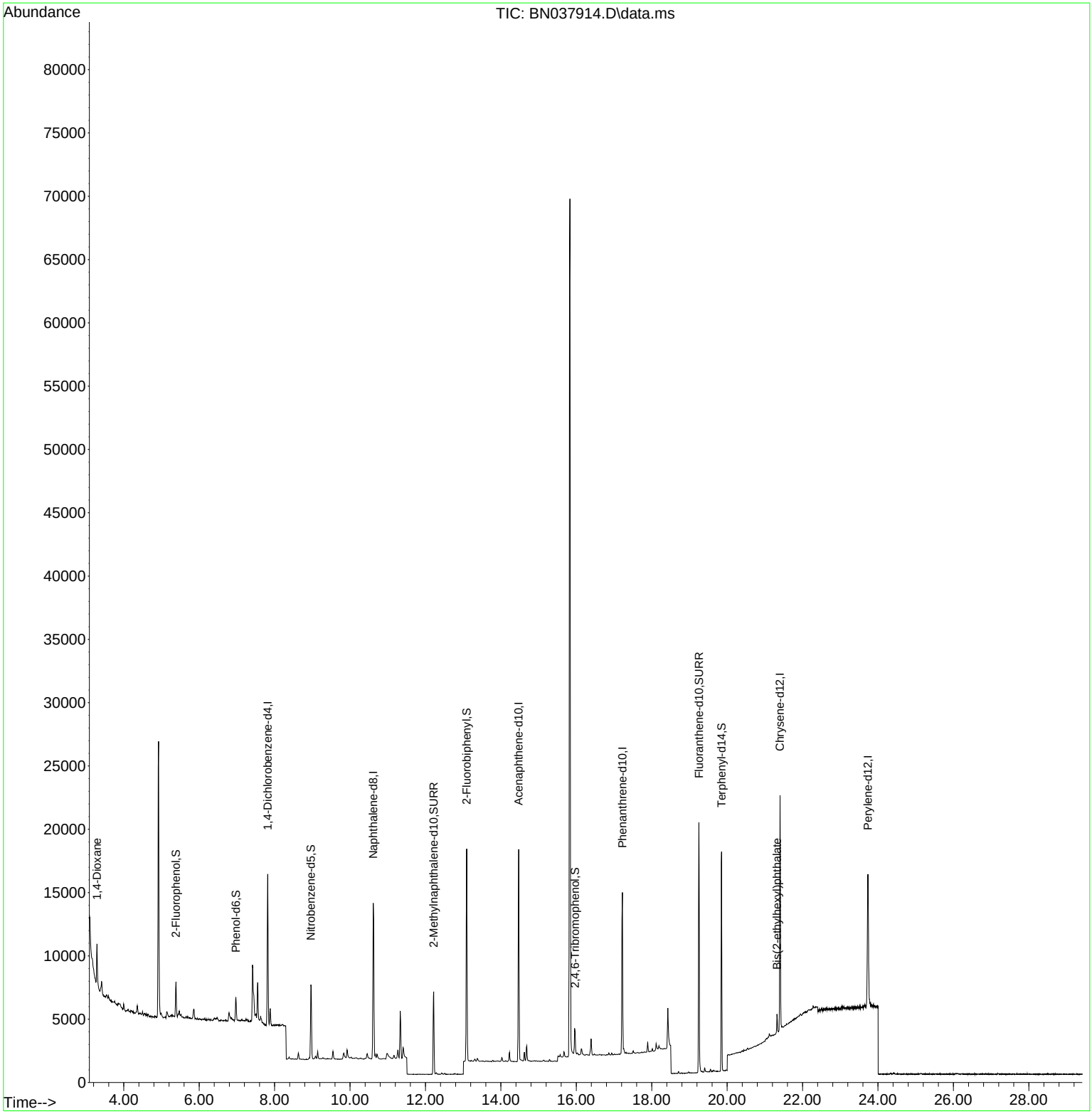
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.818	152	5754	0.400	ng	0.00
7) Naphthalene-d8	10.616	136	16872	0.400	ng	#-0.01
13) Acenaphthene-d10	14.473	164	8712	0.400	ng	0.00
19) Phenanthrene-d10	17.223	188	18412	0.400	ng	0.00
29) Chrysene-d12	21.402	240	15939	0.400	ng	0.00
35) Perylene-d12	23.733	264	15338	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.384	112	2158	0.164	ng	0.00
5) Phenol-d6	6.973	99	1636	0.095	ng	0.00
8) Nitrobenzene-d5	8.961	82	4997	0.388	ng	-0.01
11) 2-Methylnaphthalene-d10	12.217	152	8790	0.375	ng	0.00
14) 2,4,6-Tribromophenol	15.969	330	1297	0.393	ng	0.00
15) 2-Fluorobiphenyl	13.094	172	14220	0.399	ng	0.00
27) Fluoranthene-d10	19.252	212	21531	0.465	ng	0.00
31) Terphenyl-d14	19.852	244	15976	0.503	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.290	88	2110	0.361	ng	# 80
34) Bis(2-ethylhexyl)phtha...	21.322	149	1562	0.071	ng	# 99

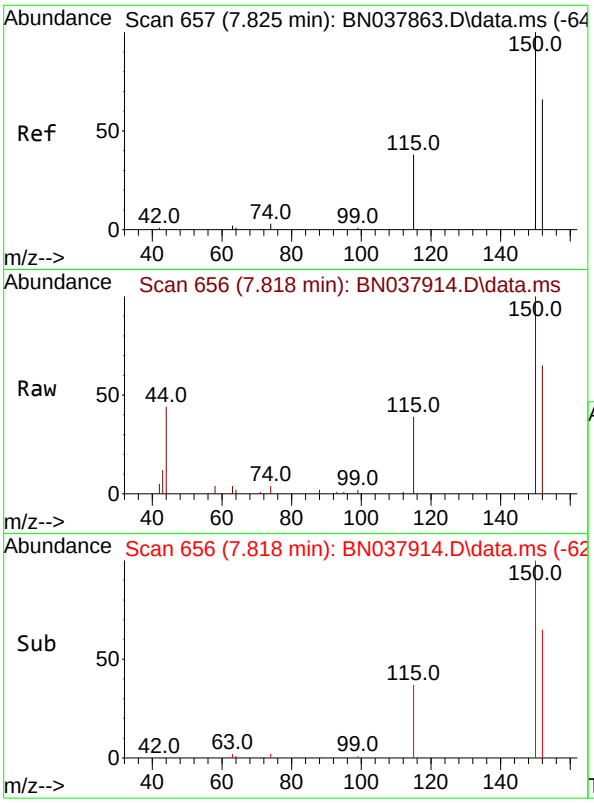
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092525\
Data File : BN037914.D
Acq On : 26 Sep 2025 07:06
Operator : RC/JU
Sample : Q3156-16
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RW9-MW01D1-20250919

Quant Time: Sep 26 07:49:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration



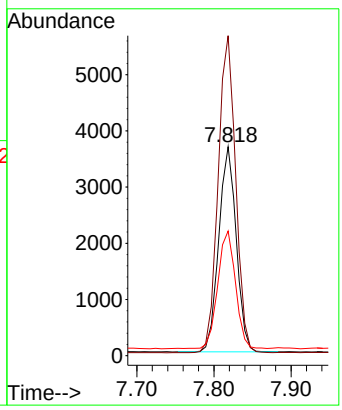


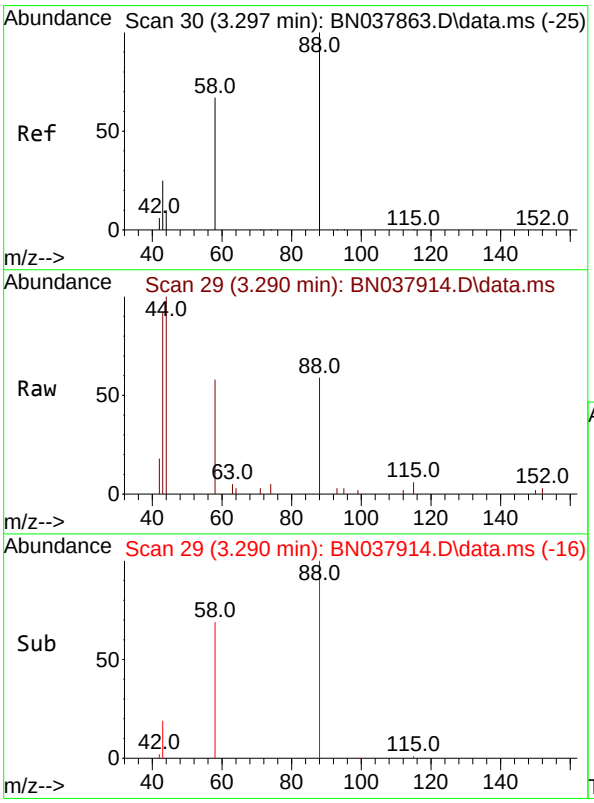
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.818 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN037914.D
Acq: 26 Sep 2025 07:06

Instrument :
BNA_N
ClientSampleId :
RW9-MW01D1-20250919

Tgt Ion:152 Resp: 5754

Ion	Ratio	Lower	Upper
152	100		
150	153.1	121.0	181.4
115	59.6	47.4	71.0

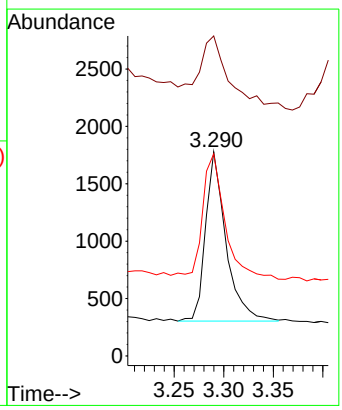


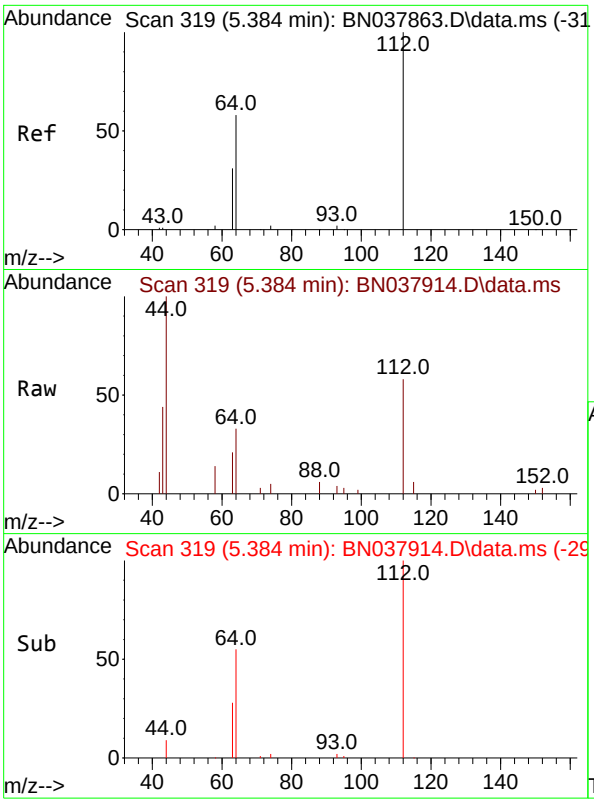


#2
1,4-Dioxane
Concen: 0.361 ng
RT: 3.290 min Scan# 29
Delta R.T. -0.007 min
Lab File: BN037914.D
Acq: 26 Sep 2025 07:06

Tgt Ion: 88 Resp: 2110

Ion	Ratio	Lower	Upper
88	100		
43	58.1	26.6	39.8#
58	80.8	58.9	88.3



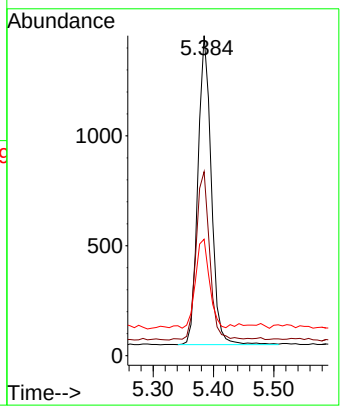


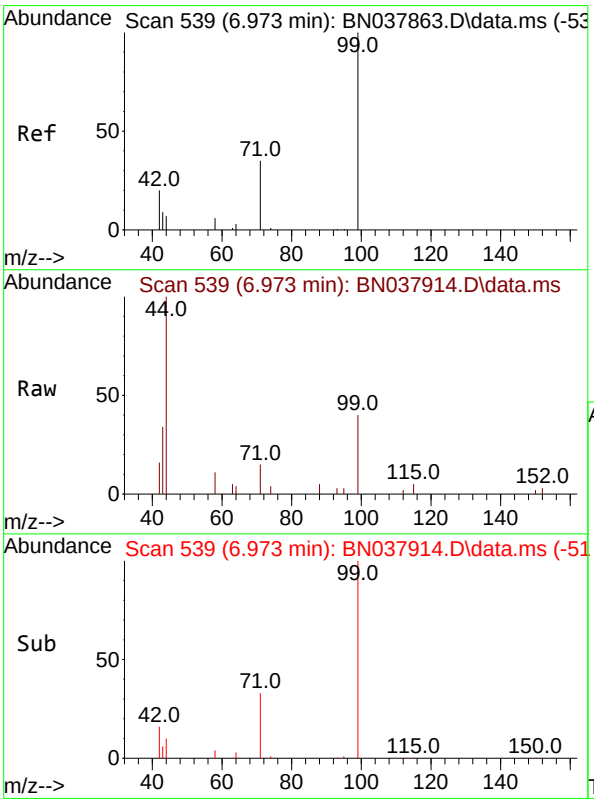
#4
2-Fluorophenol
Concen: 0.164 ng
RT: 5.384 min Scan# 31
Delta R.T. -0.000 min
Lab File: BN037914.D
Acq: 26 Sep 2025 07:06

Instrument :
BNA_N
ClientSampleId :
RW9-MW01D1-20250919

Tgt Ion:112 Resp: 2158

Ion	Ratio	Lower	Upper
112	100		
64	55.5	44.6	66.8
63	29.8	24.9	37.3

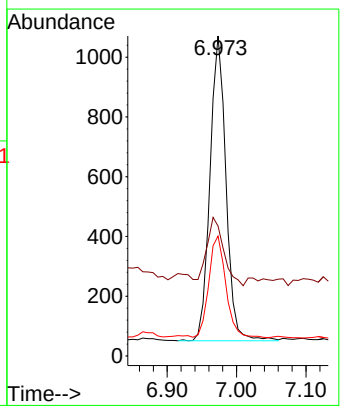


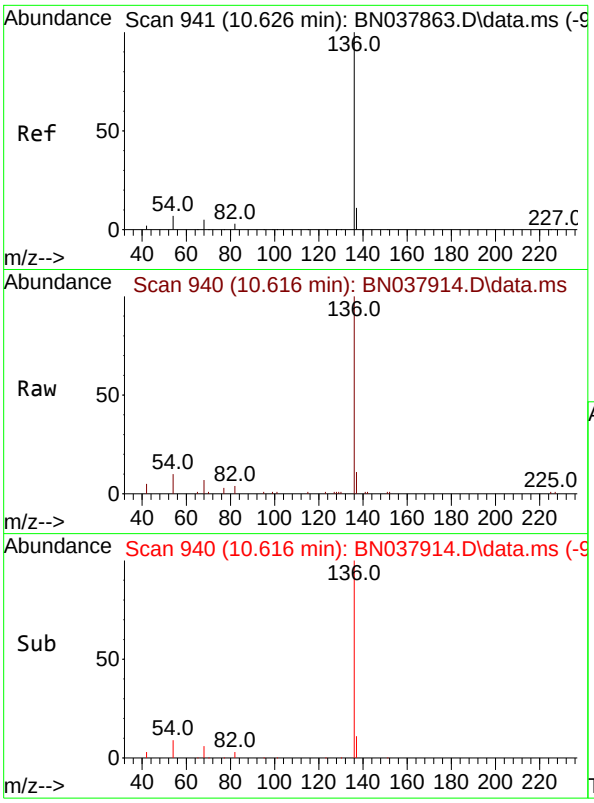


#5
Phenol-d6
Concen: 0.095 ng
RT: 6.973 min Scan# 539
Delta R.T. -0.000 min
Lab File: BN037914.D
Acq: 26 Sep 2025 07:06

Tgt Ion: 99 Resp: 1636

Ion	Ratio	Lower	Upper
99	100		
42	23.3	17.2	25.8
71	35.7	27.3	40.9



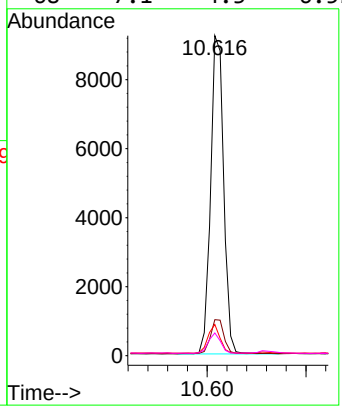


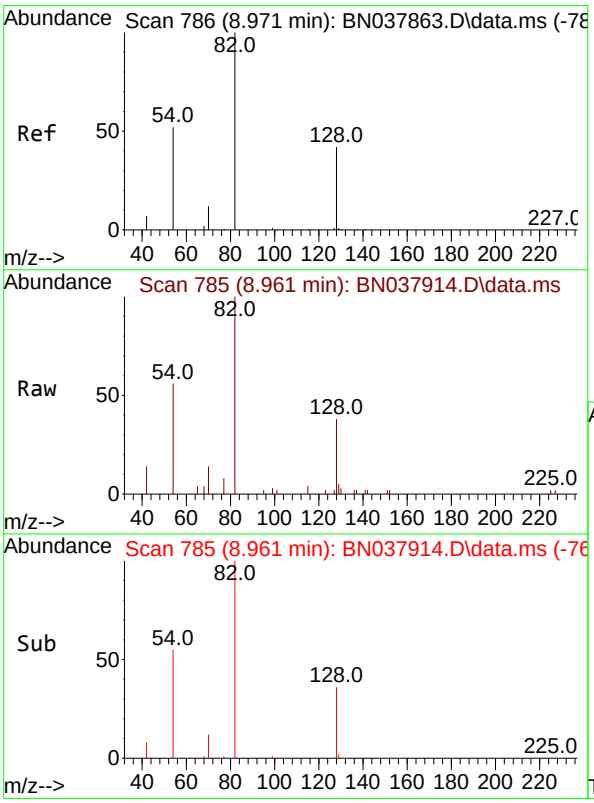
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.616 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037914.D
Acq: 26 Sep 2025 07:06

Instrument :
BNA_N
ClientSampleId :
RW9-MW01D1-20250919

Tgt Ion:136 Resp: 16872

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	9.7	5.8	8.8#
68	7.1	4.3	6.5#

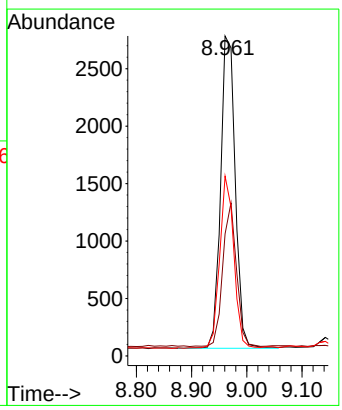


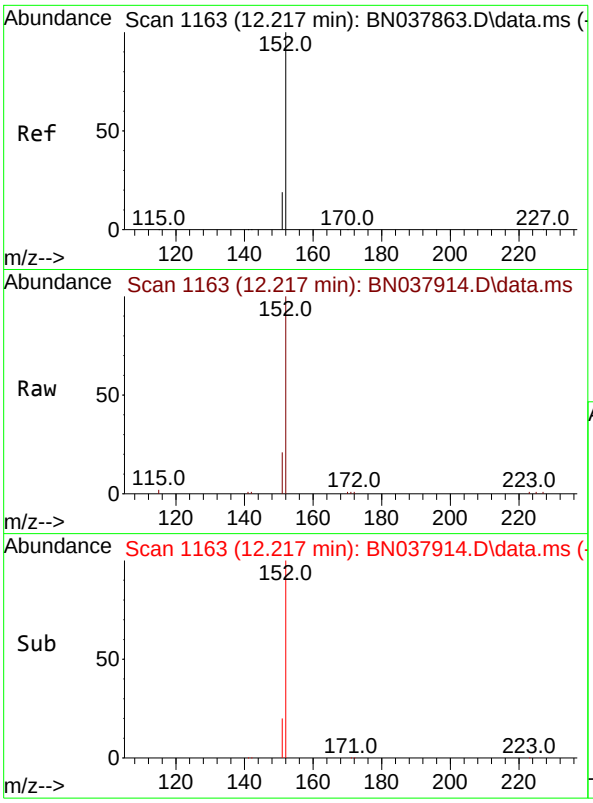


#8
Nitrobenzene-d5
Concen: 0.388 ng
RT: 8.961 min Scan# 785
Delta R.T. -0.011 min
Lab File: BN037914.D
Acq: 26 Sep 2025 07:06

Tgt Ion: 82 Resp: 4997

Ion	Ratio	Lower	Upper
82	100		
128	38.1	34.8	52.2
54	56.2	42.2	63.2



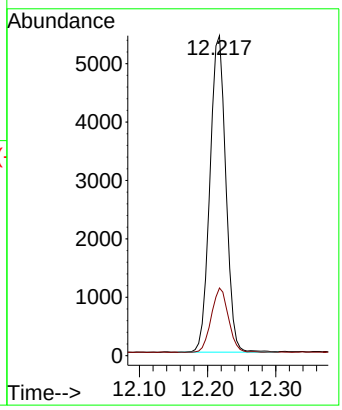


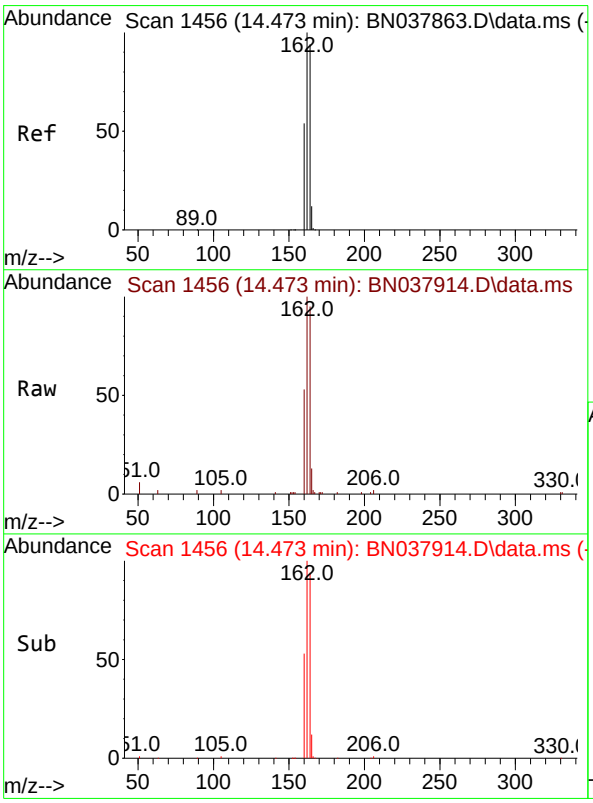
#11
2-Methylnaphthalene-d10
Concen: 0.375 ng
RT: 12.217 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN037914.D
Acq: 26 Sep 2025 07:06

Instrument :
BNA_N
ClientSampleId :
RW9-MW01D1-20250919

Tgt Ion:152 Resp: 8790

Ion	Ratio	Lower	Upper
152	100		
151	21.9	17.4	26.2

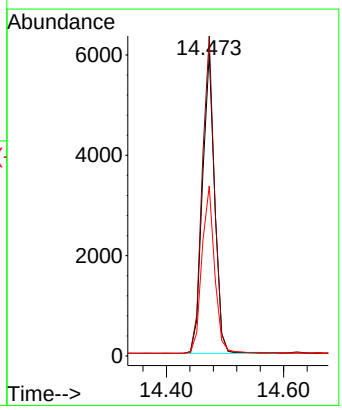


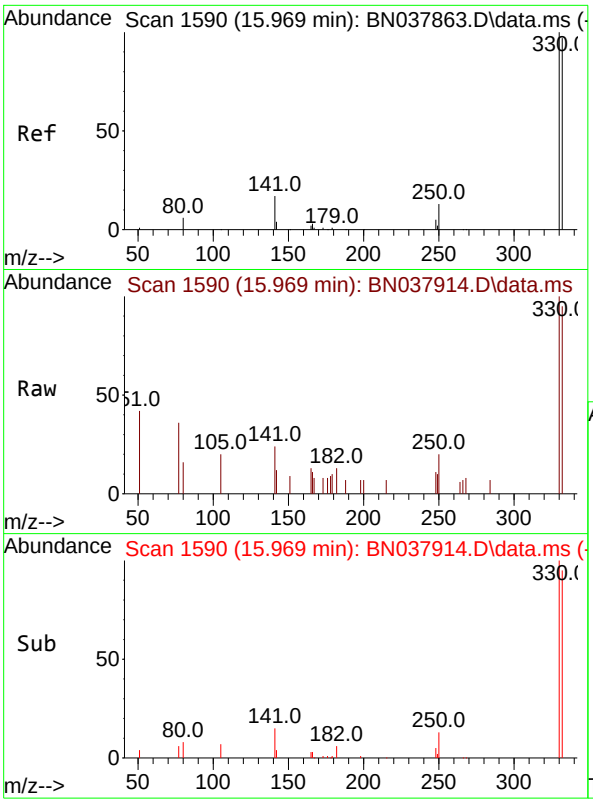


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.473 min Scan# 1456
Delta R.T. -0.000 min
Lab File: BN037914.D
Acq: 26 Sep 2025 07:06

Tgt Ion:164 Resp: 8712

Ion	Ratio	Lower	Upper
164	100		
162	105.7	84.8	127.2
160	56.2	46.1	69.1



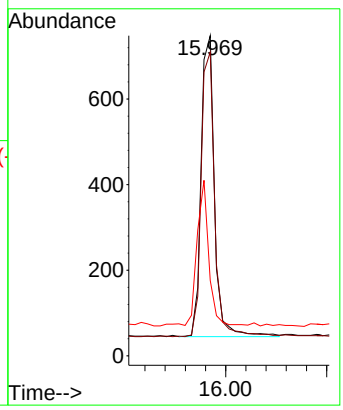


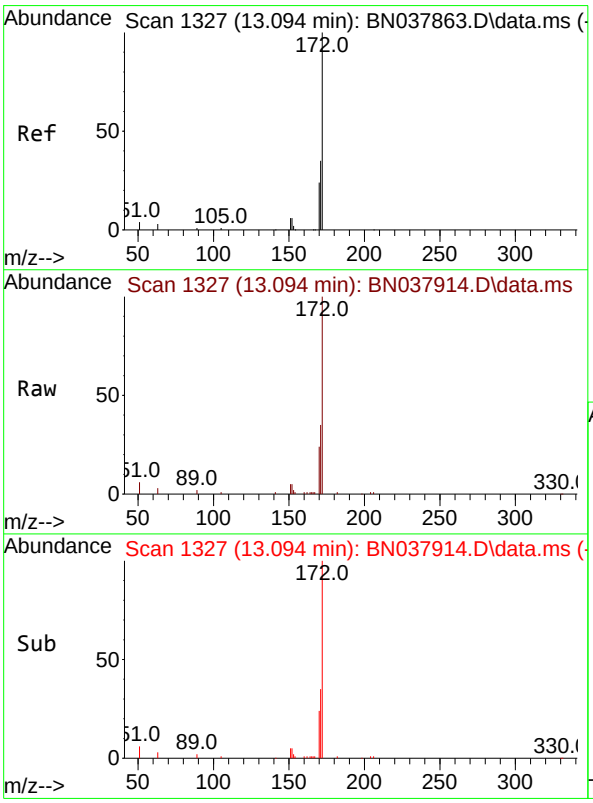
#14
2,4,6-Tribromophenol
Concen: 0.393 ng
RT: 15.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037914.D
Acq: 26 Sep 2025 07:06

Instrument :
BNA_N
ClientSampleId :
RW9-MW01D1-20250919

Tgt Ion:330 Resp: 1297

Ion	Ratio	Lower	Upper
330	100		
332	95.1	77.2	115.8
141	42.9	37.2	55.8

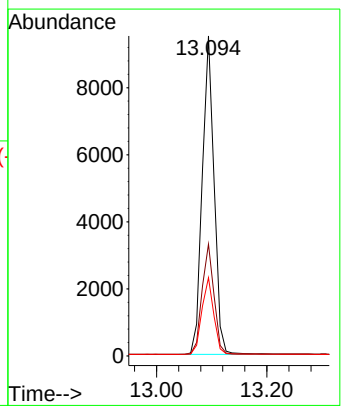


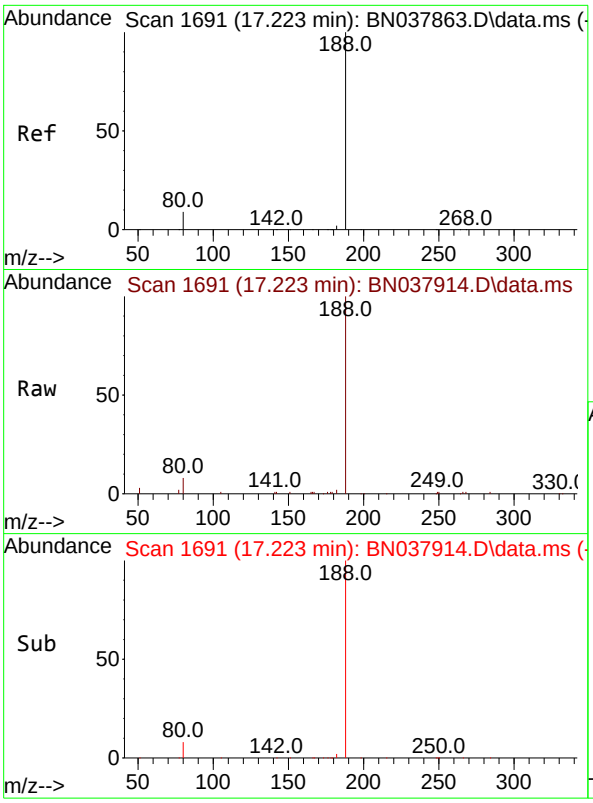


#15
2-Fluorobiphenyl
Concen: 0.399 ng
RT: 13.094 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BN037914.D
Acq: 26 Sep 2025 07:06

Tgt Ion:172 Resp: 14220

Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.6	43.0
170	24.4	19.7	29.5



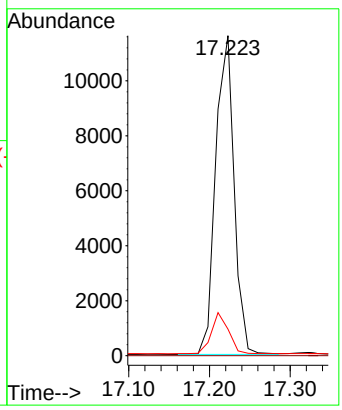


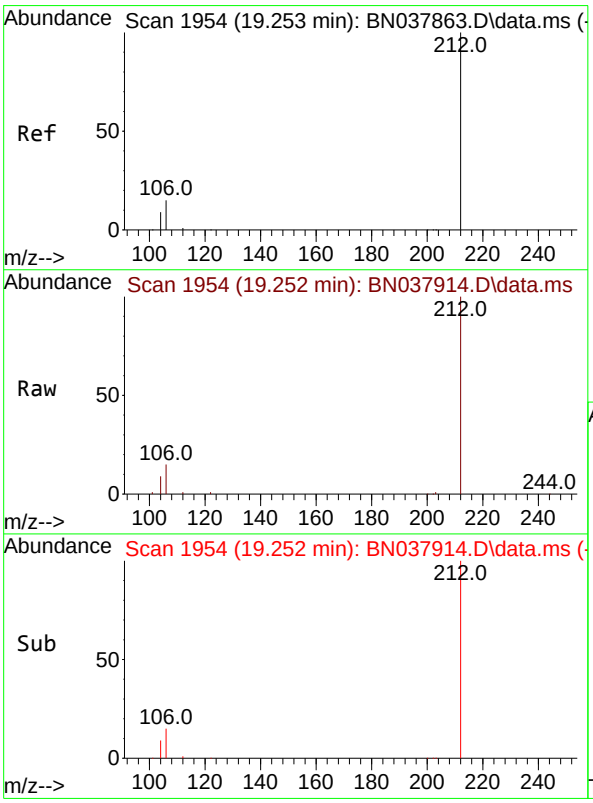
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.223 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037914.D
Acq: 26 Sep 2025 07:06

Instrument :
BNA_N
ClientSampleId :
RW9-MW01D1-20250919

Tgt Ion:188 Resp: 18412

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.3	7.6	11.4

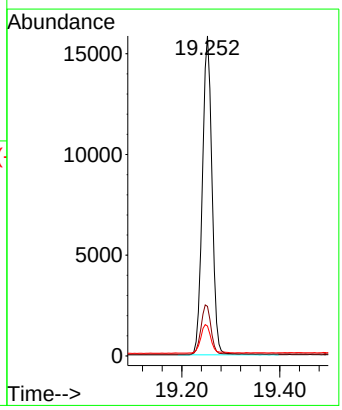


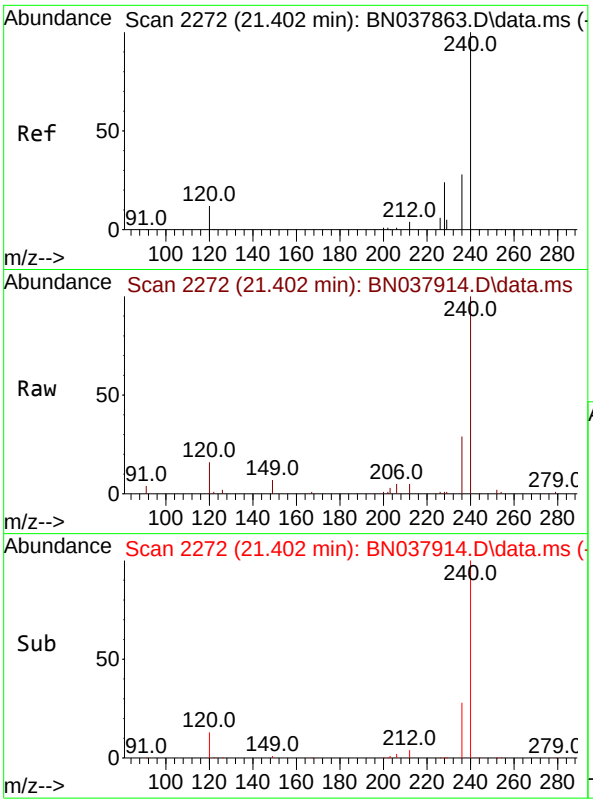


#27
Fluoranthene-d10
Concen: 0.465 ng
RT: 19.252 min Scan# 1954
Delta R.T. -0.000 min
Lab File: BN037914.D
Acq: 26 Sep 2025 07:06

Tgt Ion:212 Resp: 21531

Ion	Ratio	Lower	Upper
212	100		
106	15.9	12.6	19.0
104	9.5	7.4	11.0



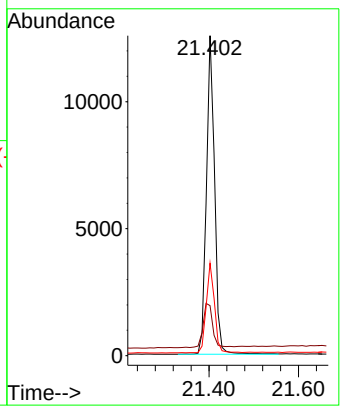


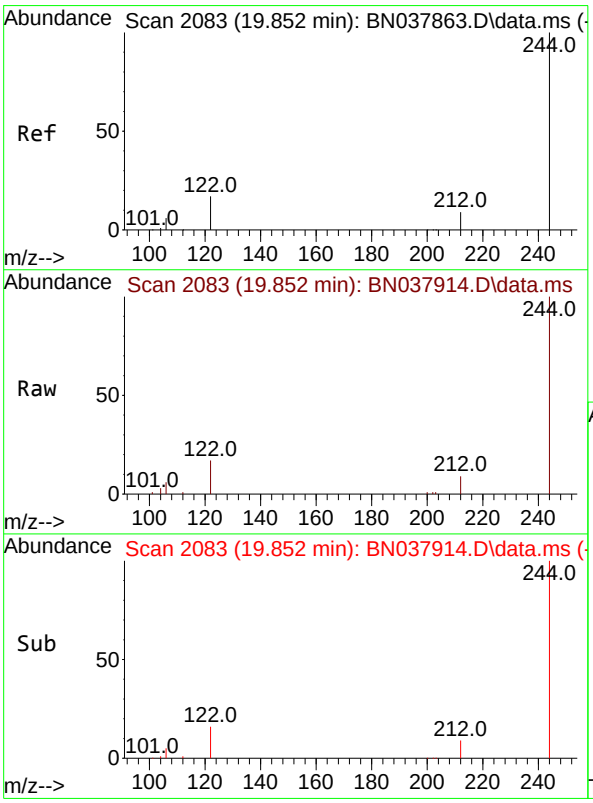
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.402 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037914.D
Acq: 26 Sep 2025 07:06

Instrument :
BNA_N
ClientSampleId :
RW9-MW01D1-20250919

Tgt Ion:240 Resp: 15939

Ion	Ratio	Lower	Upper
240	100		
120	15.6	11.4	17.2
236	28.9	23.0	34.6

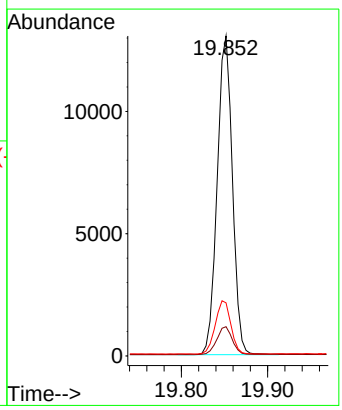


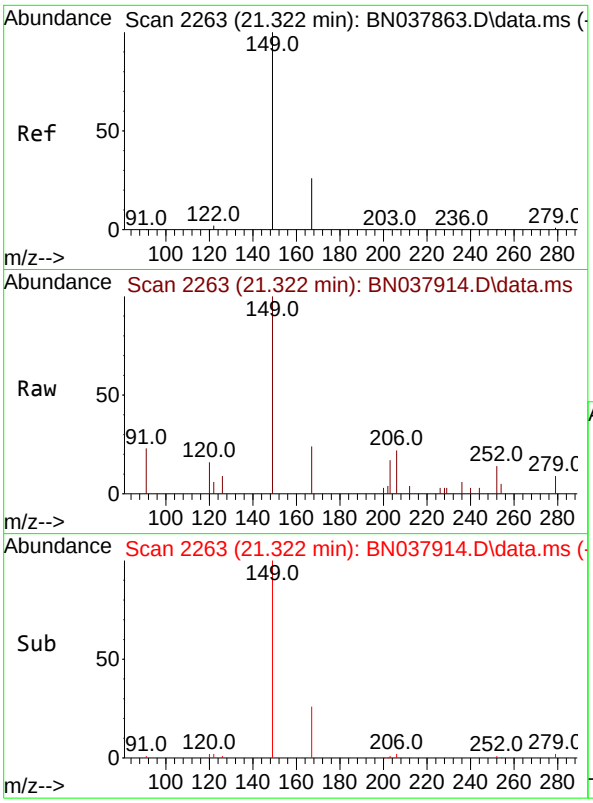


#31
Terphenyl-d14
Concen: 0.503 ng
RT: 19.852 min Scan# 2083
Delta R.T. -0.000 min
Lab File: BN037914.D
Acq: 26 Sep 2025 07:06

Tgt Ion:244 Resp: 15976

Ion	Ratio	Lower	Upper
244	100		
212	9.2	7.6	11.4
122	16.6	13.9	20.9



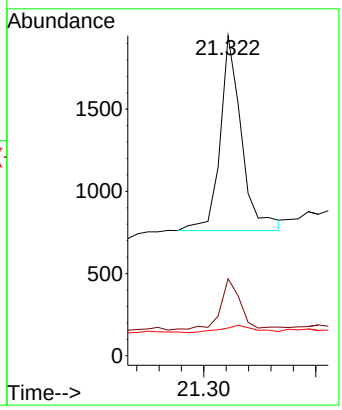


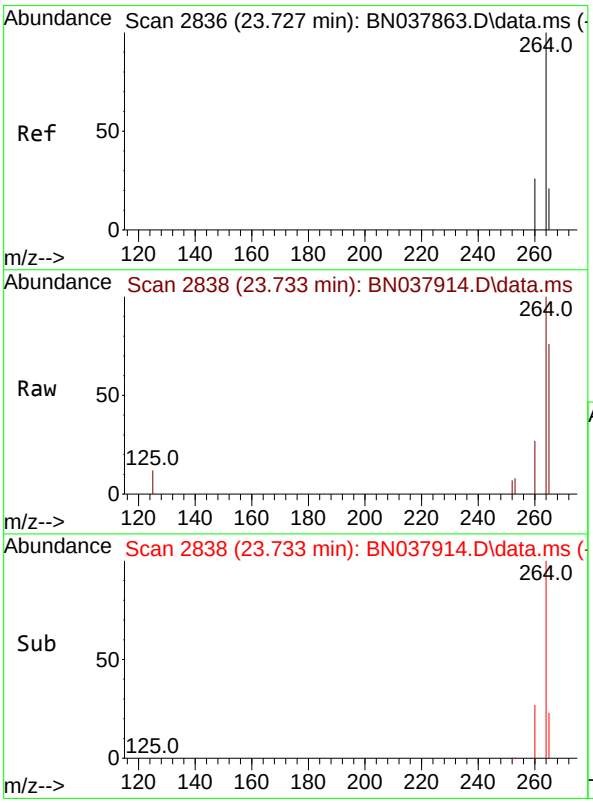
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.071 ng
RT: 21.322 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037914.D
Acq: 26 Sep 2025 07:06

Instrument :
BNA_N
ClientSampleId :
RW9-MW01D1-20250919

Tgt Ion:149 Resp: 1562

Ion	Ratio	Lower	Upper
149	100		
167	25.4	20.4	30.6
279	5.8	2.4	3.6#

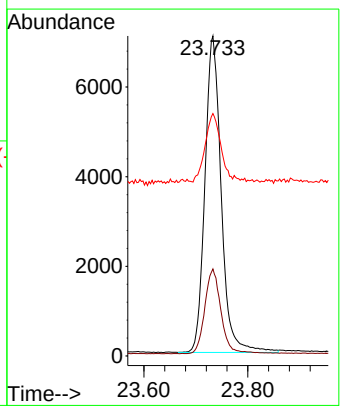




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.733 min Scan# 2838
Delta R.T. 0.006 min
Lab File: BN037914.D
Acq: 26 Sep 2025 07:06

Tgt Ion:264 Resp: 15338

Ion	Ratio	Lower	Upper
264	100		
260	27.2	21.5	32.3
265	75.8	53.8	80.6



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:	09/19/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/19/25
Client Sample ID:	TT191D2-20250918	SDG No.:	Q3156
Lab Sample ID:	Q3156-17	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
BN037915.D	1	09/23/25 09:15	09/26/25 07:43	PB169794

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.36		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	0.45		30 - 150		112%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.34		55 - 111		86%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.31		53 - 106		78%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.49		58 - 132		122%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7030	7.818				
1146-65-2	Naphthalene-d8	20500	10.616				
15067-26-2	Acenaphthene-d10	11000	14.473				
1517-22-2	Phenanthrene-d10	23200	17.223				
1719-03-5	Chrysene-d12	21400	21.402				
1520-96-3	Perylene-d12	19400	23.73				

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\BN092525\
Data File : BN037915.D
Acq On : 26 Sep 2025 07:43
Operator : RC/JU
Sample : Q3156-17
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
TT191D2-20250918

Quant Time: Sep 26 08:39:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration

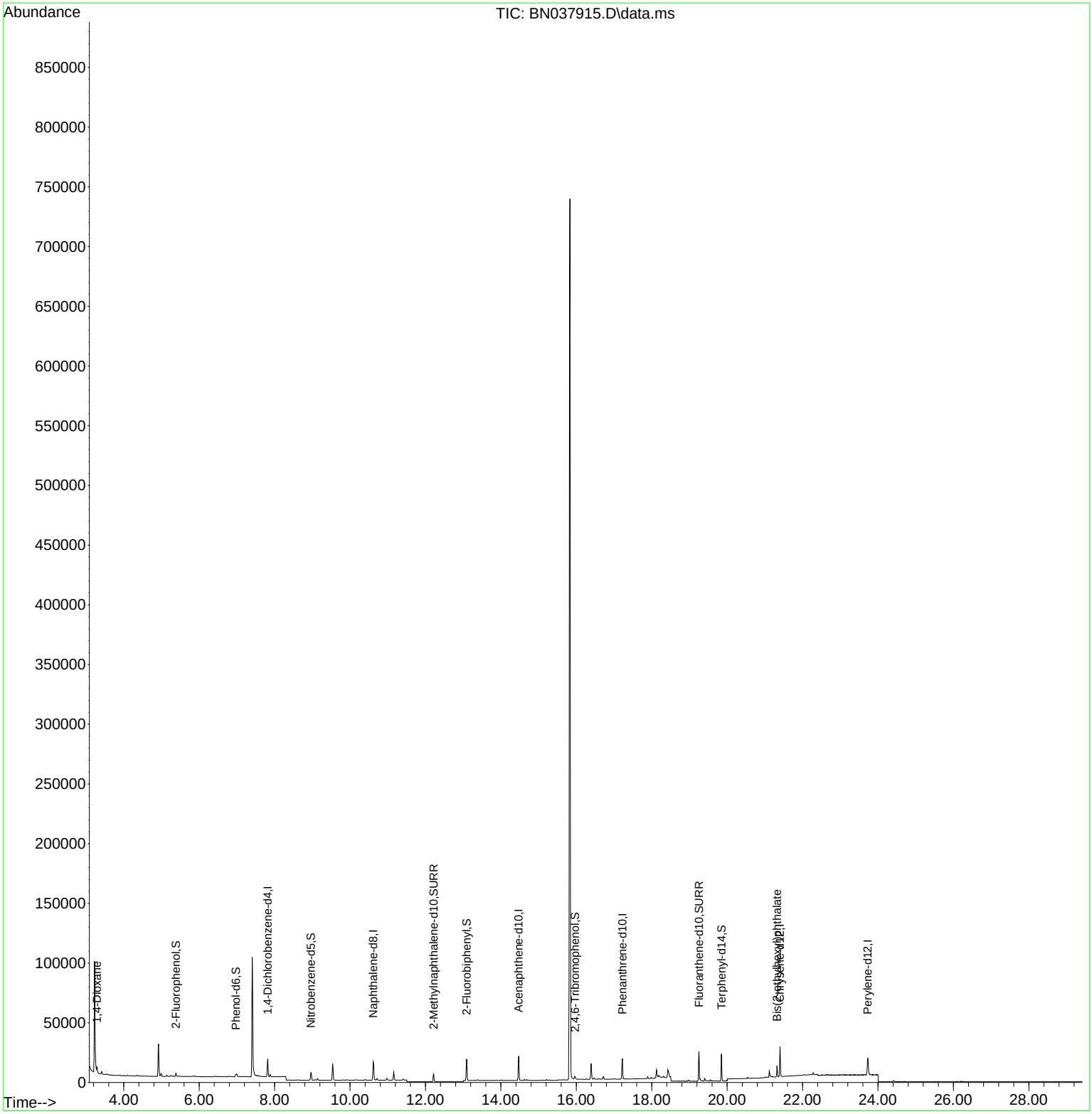
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.818	152	7032	0.400	ng	0.00
7) Naphthalene-d8	10.616	136	20474	0.400	ng	#-0.01
13) Acenaphthene-d10	14.473	164	10961	0.400	ng	0.00
19) Phenanthrene-d10	17.223	188	23227	0.400	ng	0.00
29) Chrysene-d12	21.402	240	21388	0.400	ng	0.00
35) Perylene-d12	23.730	264	19449	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.385	112	2154	0.134	ng	0.00
5) Phenol-d6	6.973	99	1639	0.078	ng	0.00
8) Nitrobenzene-d5	8.961	82	5368	0.344	ng	-0.01
11) 2-Methylnaphthalene-d10	12.217	152	8806	0.310	ng	0.00
14) 2,4,6-Tribromophenol	15.970	330	1344	0.323	ng	0.00
15) 2-Fluorobiphenyl	13.094	172	13998	0.312	ng	0.00
27) Fluoranthene-d10	19.253	212	26055	0.446	ng	0.00
31) Terphenyl-d14	19.852	244	20843	0.489	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.290	88	2600	0.364	ng	# 86
34) Bis(2-ethylhexyl)phtha...	21.322	149	8642	0.292	ng	100

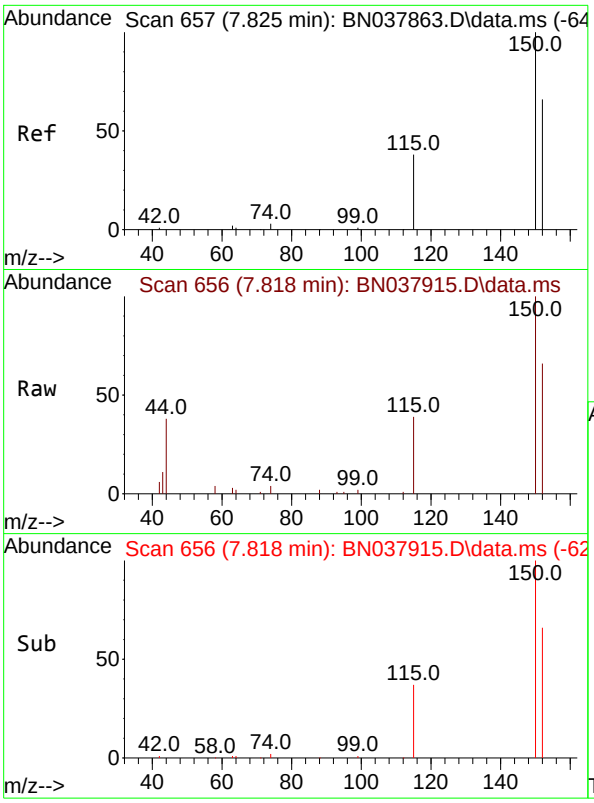
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092525\
Data File : BN037915.D
Acq On : 26 Sep 2025 07:43
Operator : RC/JU
Sample : Q3156-17
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
TT191D2-20250918

Quant Time: Sep 26 08:39:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration



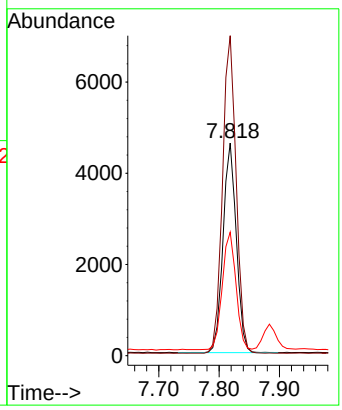


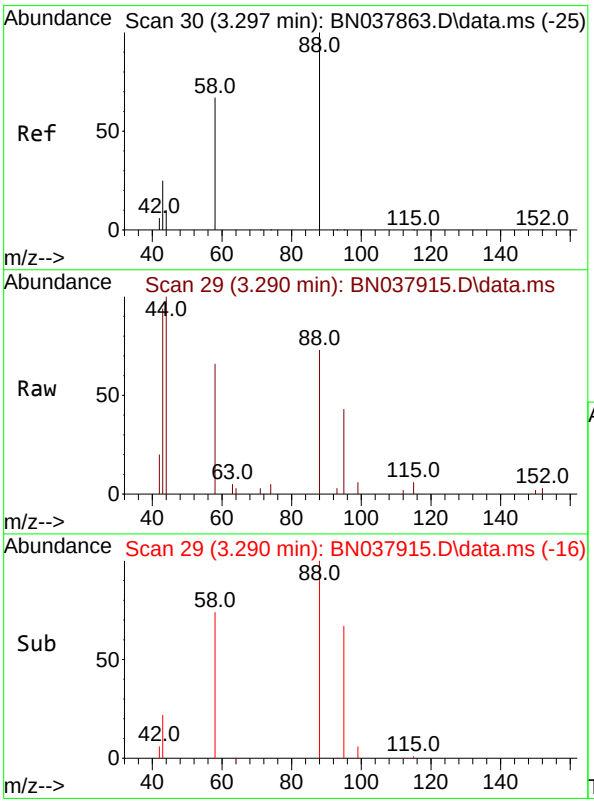
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.818 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN037915.D
Acq: 26 Sep 2025 07:43

Instrument :
BNA_N
ClientSampleId :
TT191D2-20250918

Tgt Ion:152 Resp: 7032

Ion	Ratio	Lower	Upper
152	100		
150	150.5	121.0	181.4
115	58.1	47.4	71.0

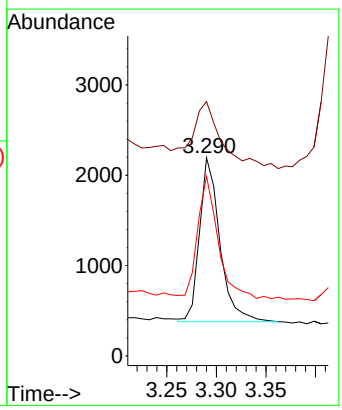


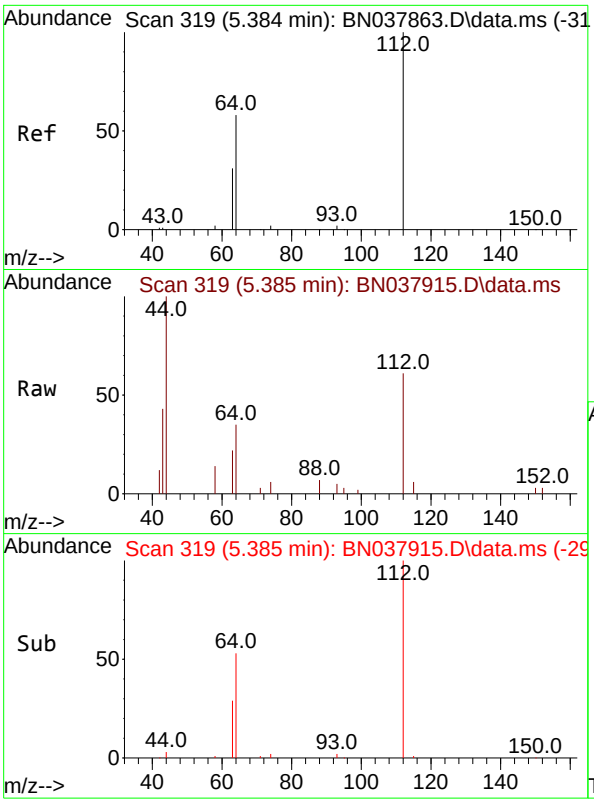


#2
1,4-Dioxane
Concen: 0.364 ng
RT: 3.290 min Scan# 29
Delta R.T. -0.007 min
Lab File: BN037915.D
Acq: 26 Sep 2025 07:43

Tgt Ion: 88 Resp: 2600

Ion	Ratio	Lower	Upper
88	100		
43	57.6	26.6	39.8#
58	74.5	58.9	88.3



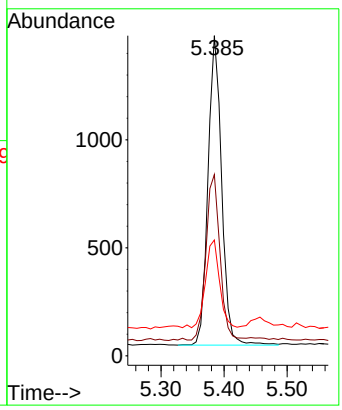


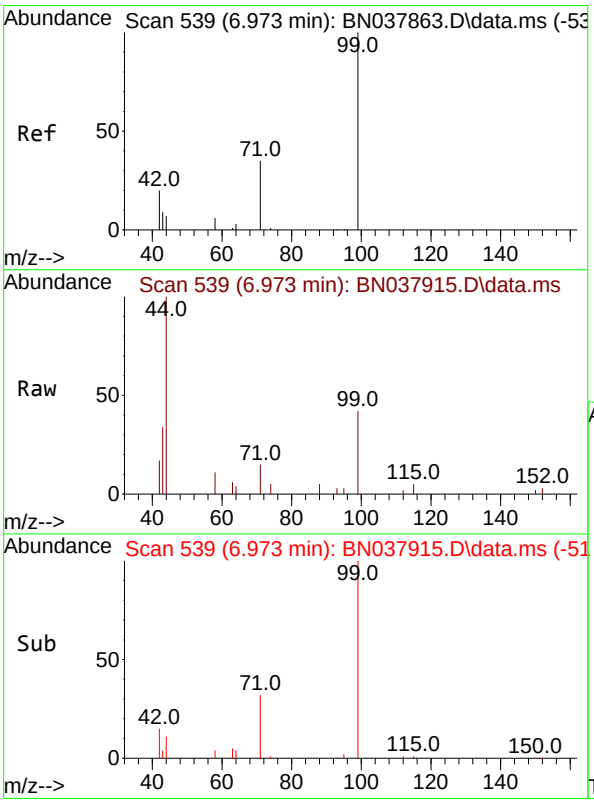
#4
2-Fluorophenol
Concen: 0.134 ng
RT: 5.385 min Scan# 31
Delta R.T. 0.000 min
Lab File: BN037915.D
Acq: 26 Sep 2025 07:43

Instrument :
BNA_N
ClientSampleId :
TT191D2-20250918

Tgt Ion:112 Resp: 2154

Ion	Ratio	Lower	Upper
112	100		
64	55.5	44.6	66.8
63	30.5	24.9	37.3

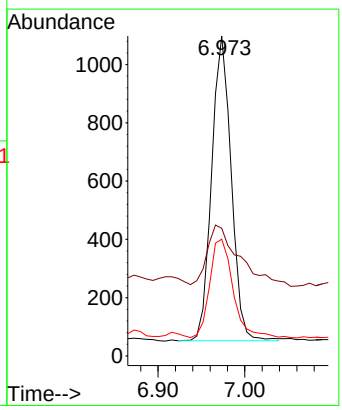


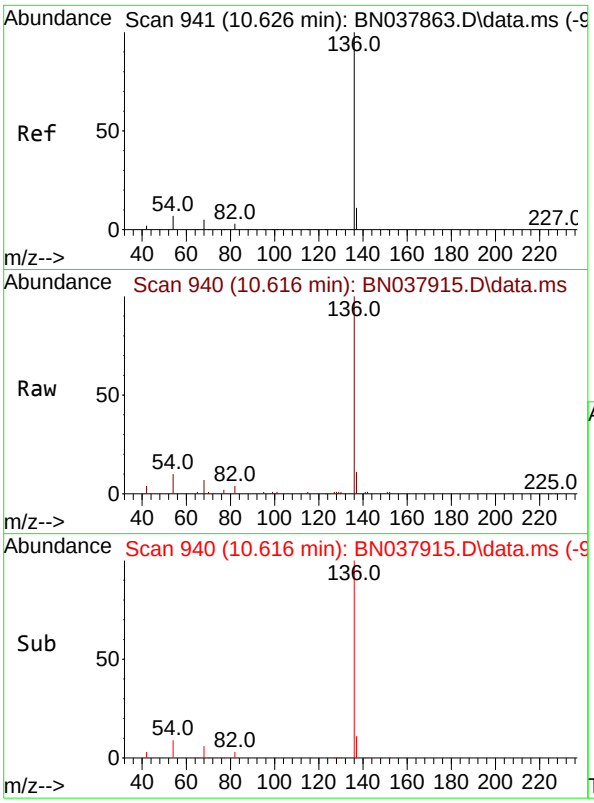


#5
Phenol-d6
Concen: 0.078 ng
RT: 6.973 min Scan# 539
Delta R.T. 0.000 min
Lab File: BN037915.D
Acq: 26 Sep 2025 07:43

Tgt Ion: 99 Resp: 1639

Ion	Ratio	Lower	Upper
99	100		
42	32.4	17.2	25.8#
71	39.1	27.3	40.9



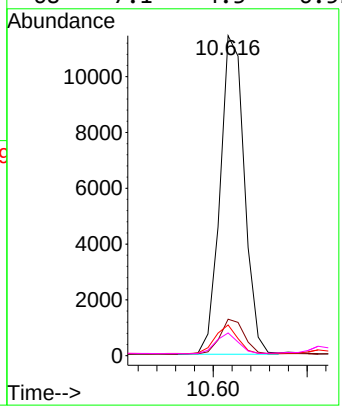


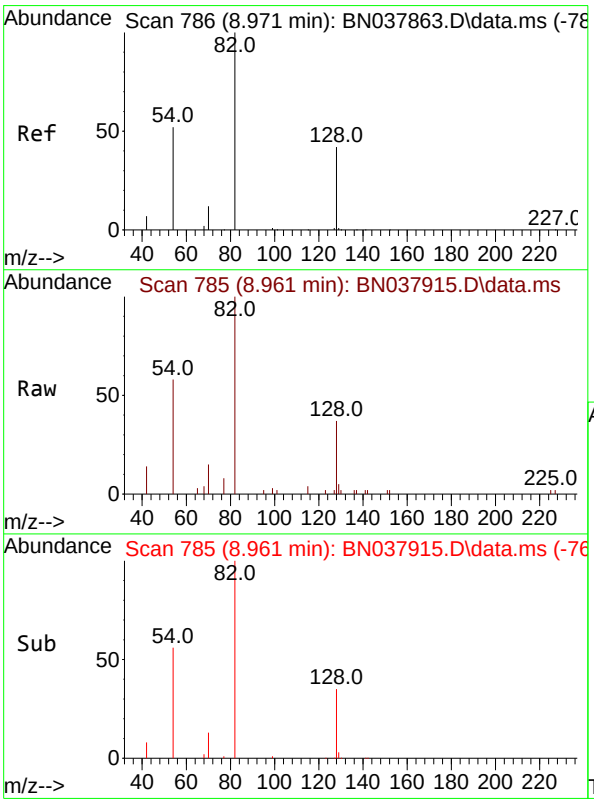
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.616 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037915.D
Acq: 26 Sep 2025 07:43

Instrument :
BNA_N
ClientSampleId :
TT191D2-20250918

Tgt Ion:136 Resp: 20474

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.0	13.4
54	9.6	5.8	8.8#
68	7.1	4.3	6.5#

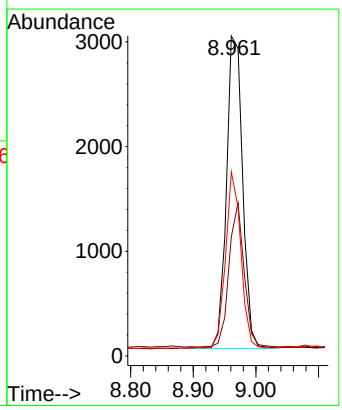


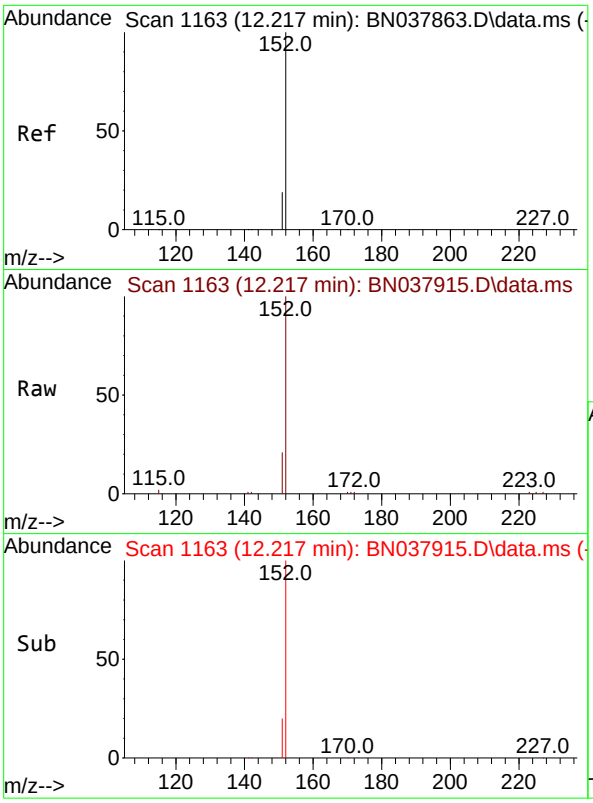


#8
Nitrobenzene-d5
Concen: 0.344 ng
RT: 8.961 min Scan# 785
Delta R.T. -0.011 min
Lab File: BN037915.D
Acq: 26 Sep 2025 07:43

Tgt Ion: 82 Resp: 5368

Ion	Ratio	Lower	Upper
82	100		
128	37.3	34.8	52.2
54	57.5	42.2	63.2



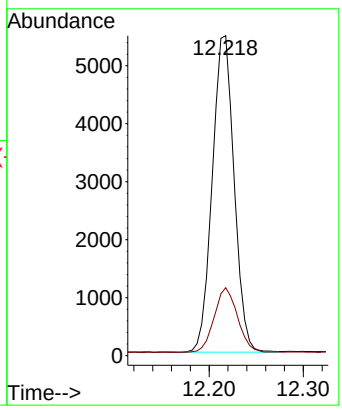


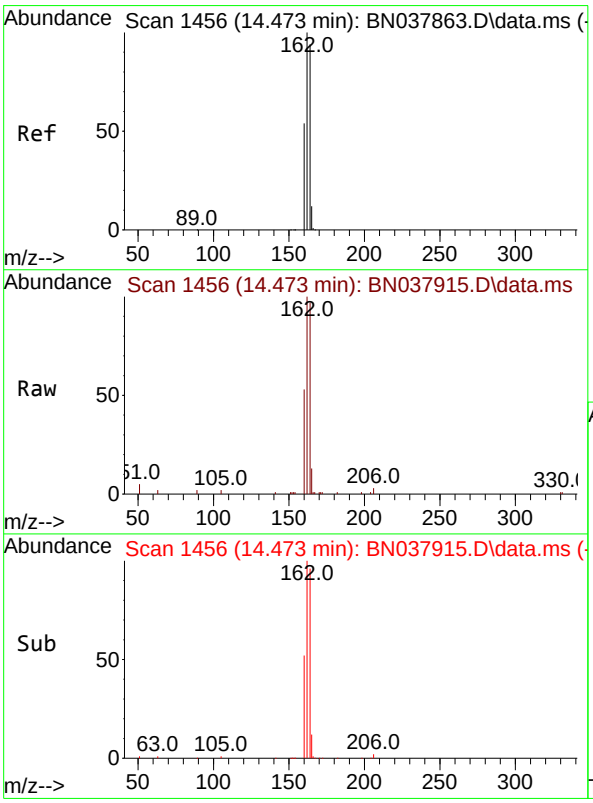
#11
2-Methylnaphthalene-d10
Concen: 0.310 ng
RT: 12.217 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN037915.D
Acq: 26 Sep 2025 07:43

Instrument :
BNA_N
ClientSampleId :
TT191D2-20250918

Tgt Ion:152 Resp: 8806

Ion	Ratio	Lower	Upper
152	100		
151	21.9	17.4	26.2

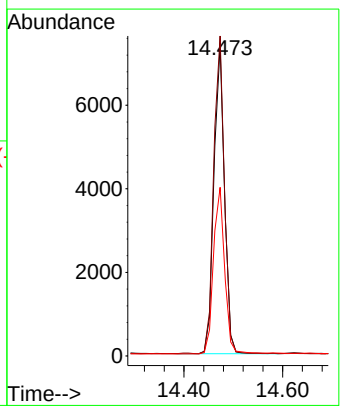


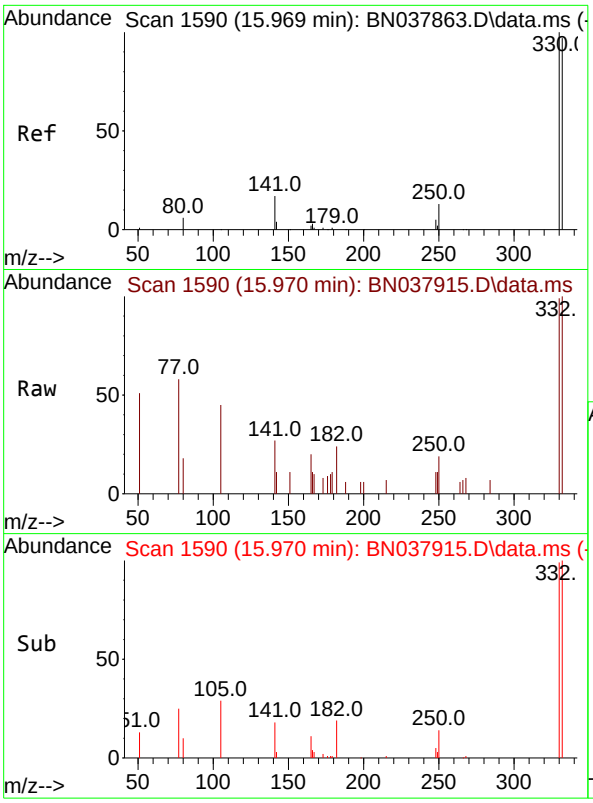


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.473 min Scan# 1456
Delta R.T. 0.000 min
Lab File: BN037915.D
Acq: 26 Sep 2025 07:43

Tgt Ion:164 Resp: 10961

Ion	Ratio	Lower	Upper
164	100		
162	103.1	84.8	127.2
160	54.3	46.1	69.1



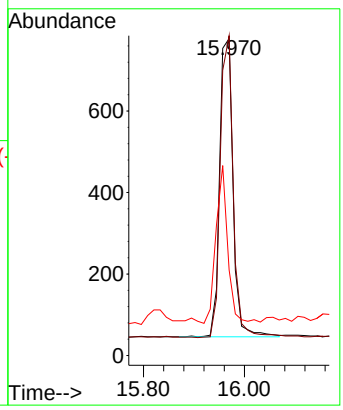


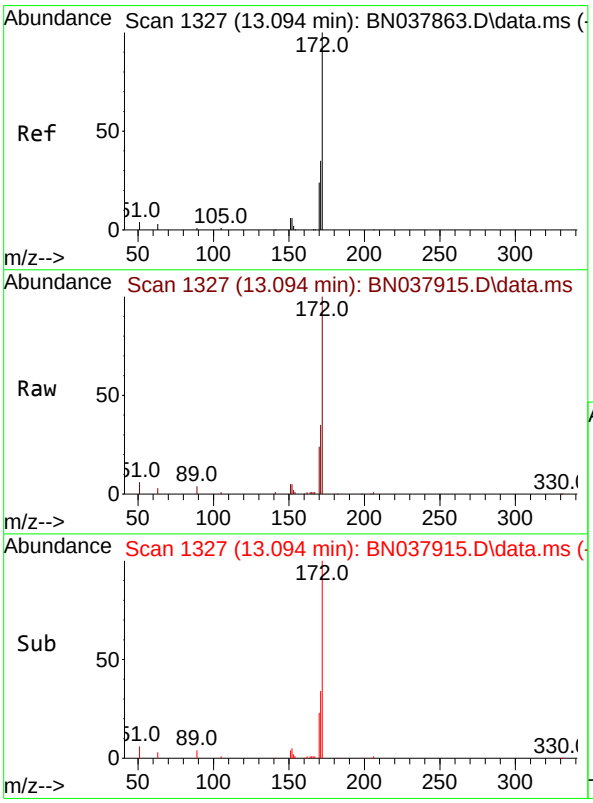
#14
2,4,6-Tribromophenol
Concen: 0.323 ng
RT: 15.970 min Scan# 1
Delta R.T. 0.001 min
Lab File: BN037915.D
Acq: 26 Sep 2025 07:43

Instrument :
BNA_N
ClientSampleId :
TT191D2-20250918

Tgt Ion:330 Resp: 1344

Ion	Ratio	Lower	Upper
330	100		
332	98.9	77.2	115.8
141	45.1	37.2	55.8

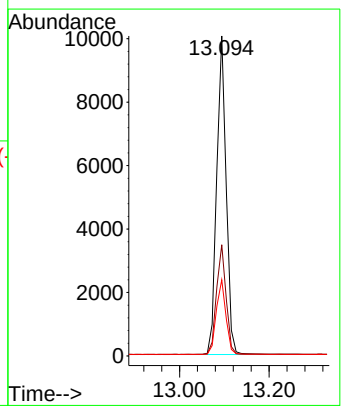


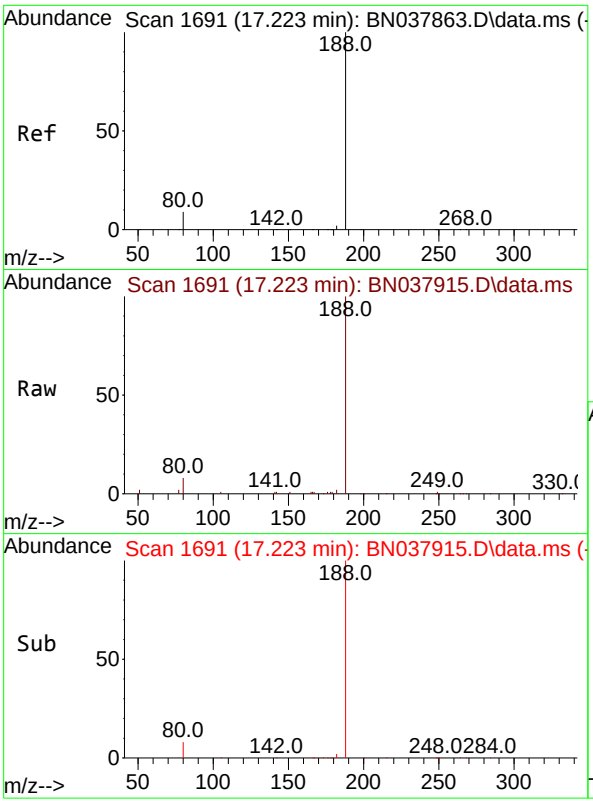


#15
2-Fluorobiphenyl
Concen: 0.312 ng
RT: 13.094 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BN037915.D
Acq: 26 Sep 2025 07:43

Tgt Ion:172 Resp: 13998

Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.6	43.0
170	23.8	19.7	29.5



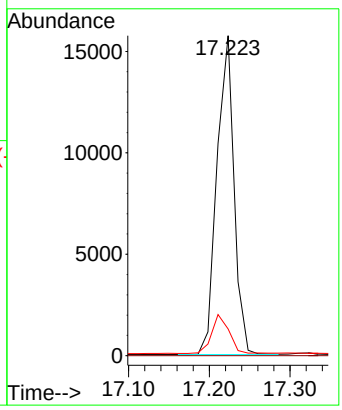


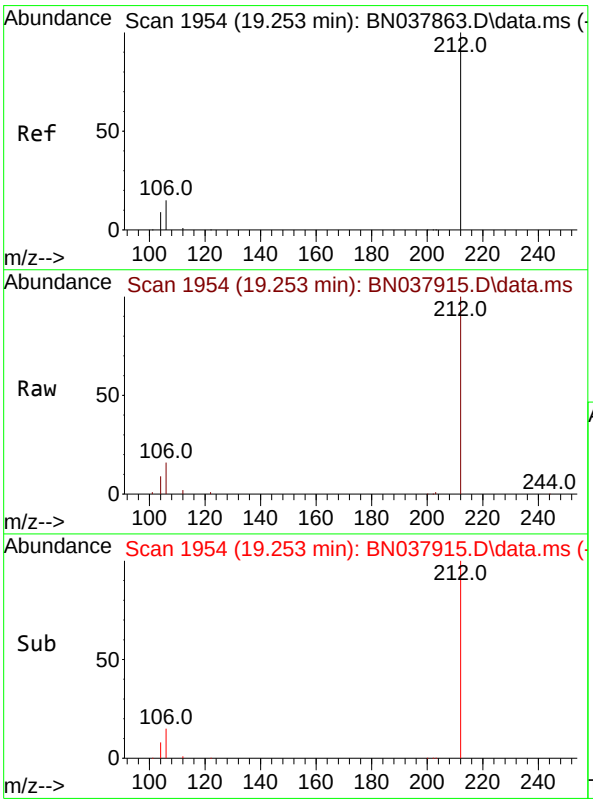
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.223 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037915.D
Acq: 26 Sep 2025 07:43

Instrument :
BNA_N
ClientSampleId :
TT191D2-20250918

Tgt Ion:188 Resp: 23227

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.4	7.6	11.4

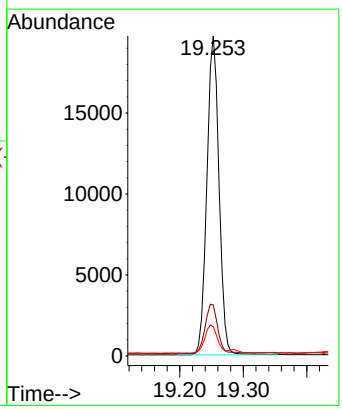


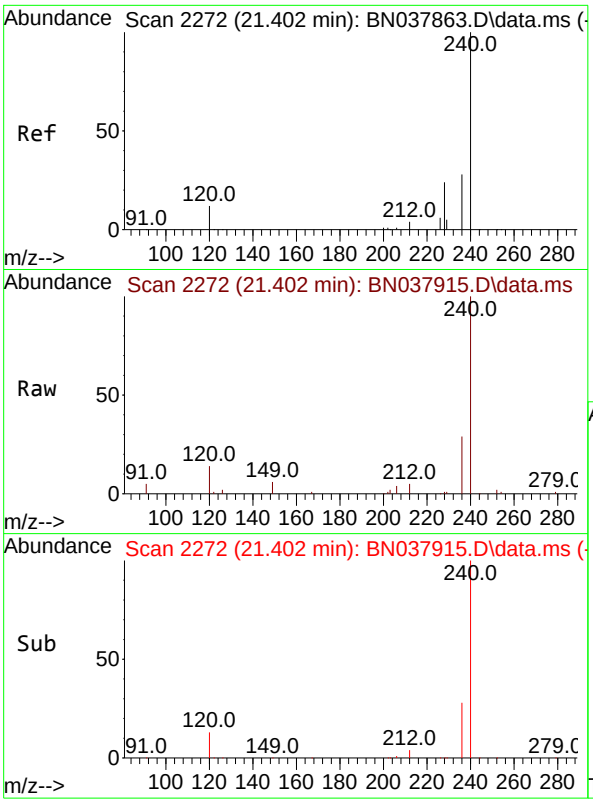


#27
Fluoranthene-d10
Concen: 0.446 ng
RT: 19.253 min Scan# 1954
Delta R.T. 0.000 min
Lab File: BN037915.D
Acq: 26 Sep 2025 07:43

Tgt Ion:212 Resp: 26055

Ion	Ratio	Lower	Upper
212	100		
106	16.3	12.6	19.0
104	9.1	7.4	11.0



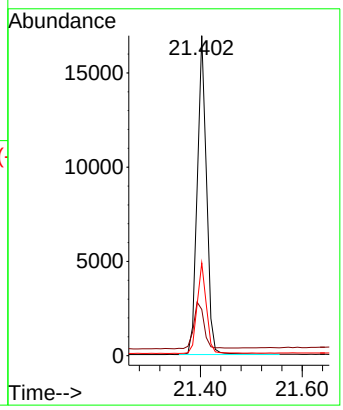


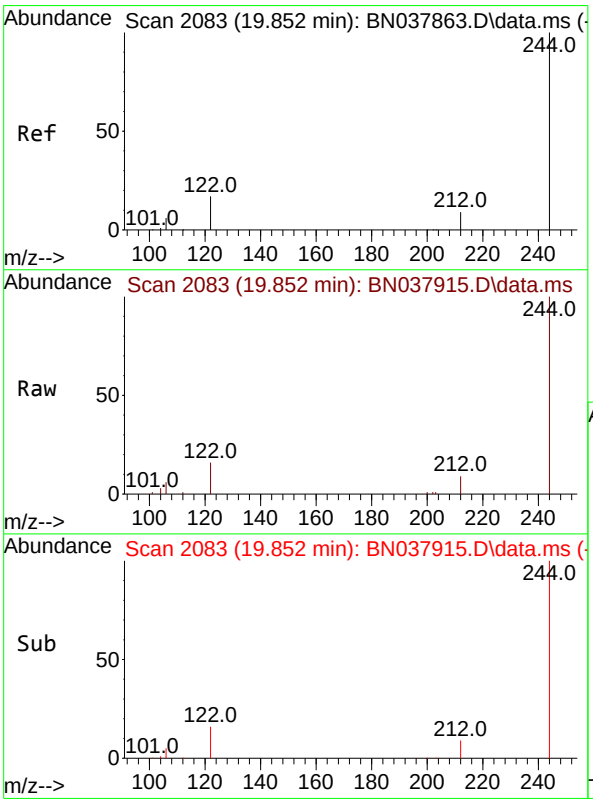
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.402 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037915.D
Acq: 26 Sep 2025 07:43

Instrument :
BNA_N
ClientSampleId :
TT191D2-20250918

Tgt Ion:240 Resp: 21388

Ion	Ratio	Lower	Upper
240	100		
120	14.5	11.4	17.2
236	29.0	23.0	34.6

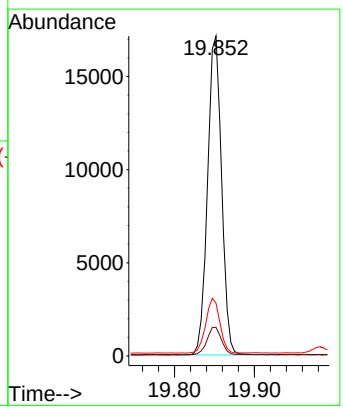


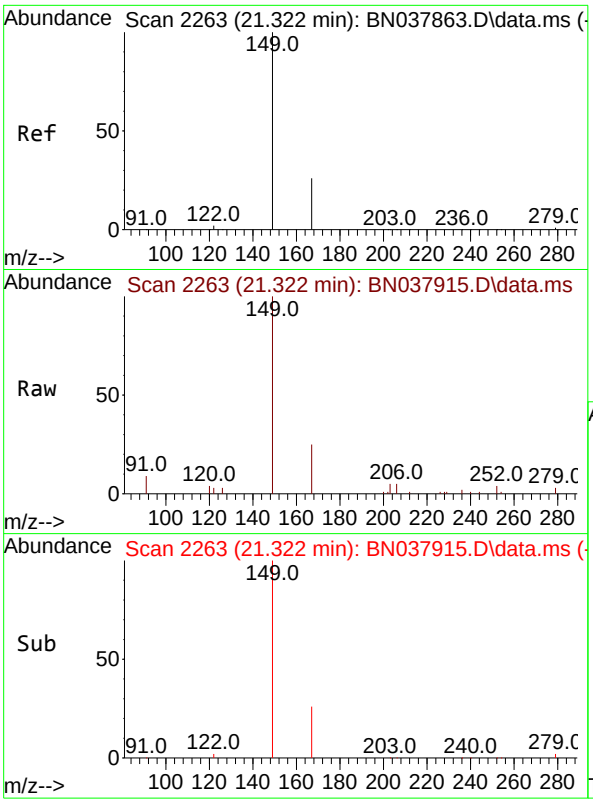


#31
Terphenyl-d14
Concen: 0.489 ng
RT: 19.852 min Scan# 2083
Delta R.T. 0.000 min
Lab File: BN037915.D
Acq: 26 Sep 2025 07:43

Tgt Ion:244 Resp: 20843

Ion	Ratio	Lower	Upper
244	100		
212	8.9	7.6	11.4
122	16.5	13.9	20.9



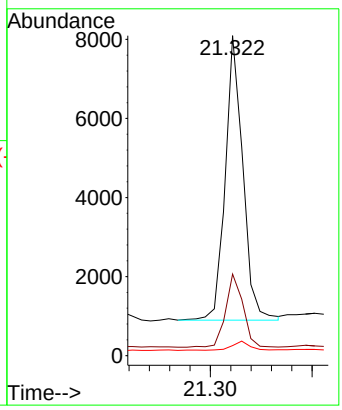


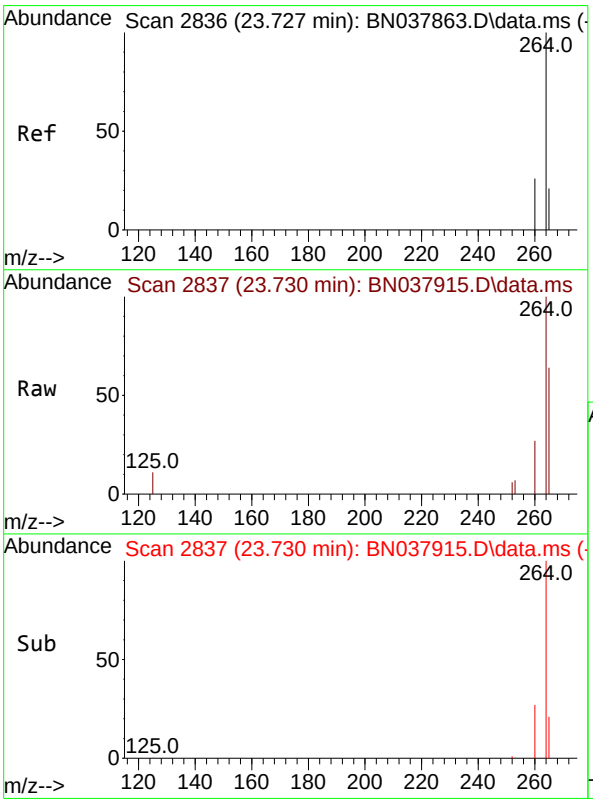
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.292 ng
RT: 21.322 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037915.D
Acq: 26 Sep 2025 07:43

Instrument :
BNA_N
ClientSampleId :
TT191D2-20250918

Tgt Ion:149 Resp: 8642

Ion	Ratio	Lower	Upper
149	100		
167	25.3	20.4	30.6
279	3.3	2.4	3.6

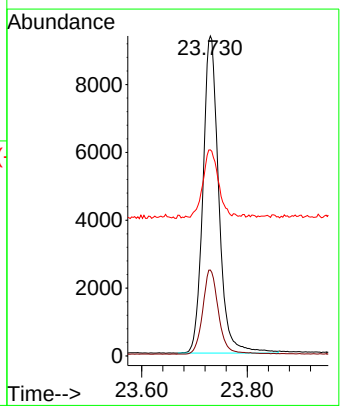




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.730 min Scan# 2837
Delta R.T. 0.003 min
Lab File: BN037915.D
Acq: 26 Sep 2025 07:43

Tgt Ion:264 Resp: 19449

Ion	Ratio	Lower	Upper
264	100		
260	26.9	21.5	32.3
265	64.4	53.8	80.6



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:	09/19/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/19/25
Client Sample ID:	RW9-MW01S-20250918	SDG No.:	Q3156
Lab Sample ID:	Q3156-18	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
BN037916.D	1	09/23/25 09:15	09/26/25 08:19	PB169794

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	0.36		30 - 150		90%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.51		30 - 150		126%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.38		55 - 111		95%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.37		53 - 106		93%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.54	*	58 - 132		136%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6550	7.818				
1146-65-2	Naphthalene-d8	18900	10.616				
15067-26-2	Acenaphthene-d10	9990	14.473				
1517-22-2	Phenanthrene-d10	20600	17.223				
1719-03-5	Chrysene-d12	17000	21.402				
1520-96-3	Perylene-d12	14400	23.733				

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\BN092525\
Data File : BN037916.D
Acq On : 26 Sep 2025 08:19
Operator : RC/JU
Sample : Q3156-18
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RW9-MW01S-20250918

Quant Time: Sep 26 08:44:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration

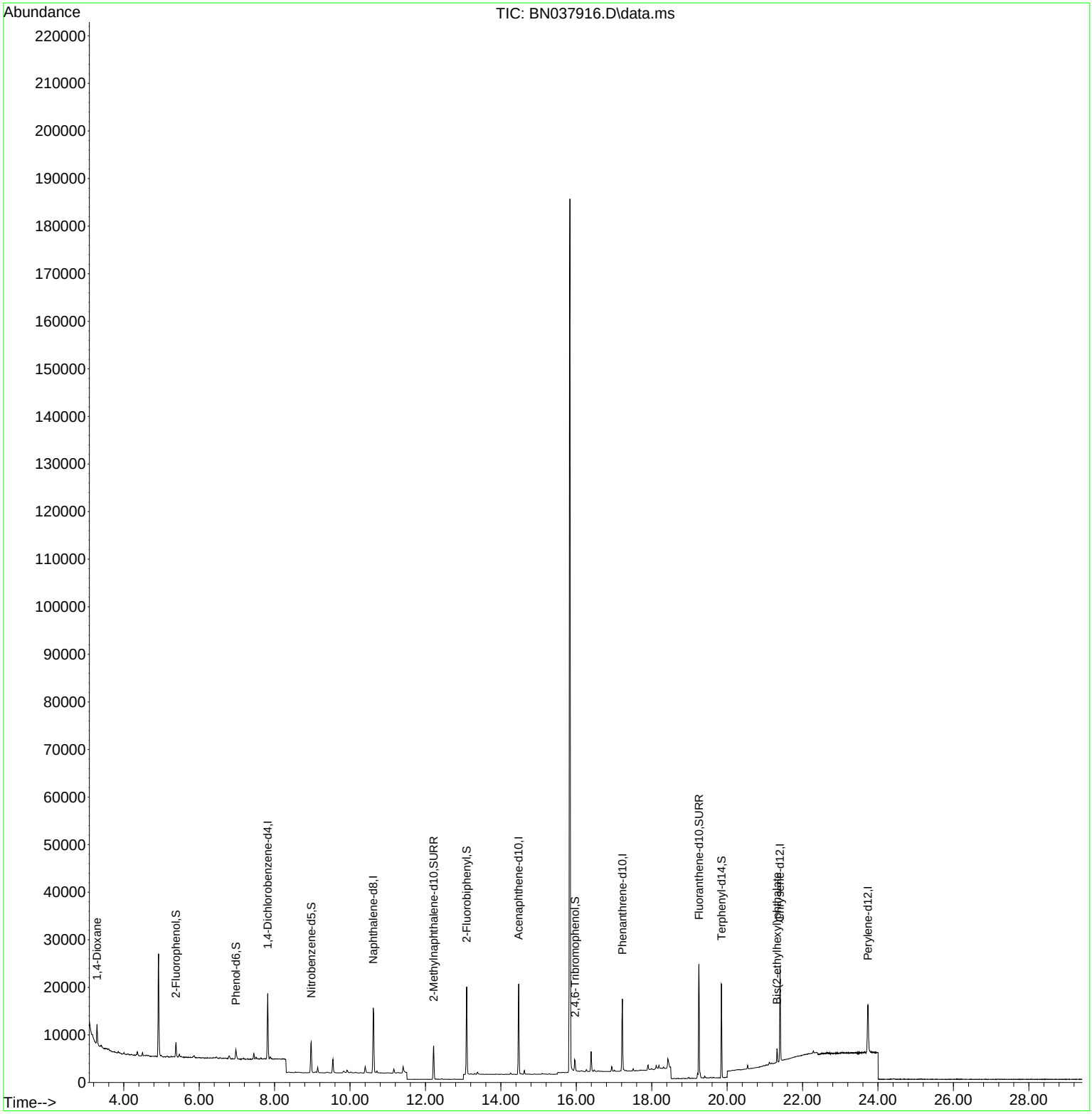
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.818	152	6549	0.400	ng	0.00
7) Naphthalene-d8	10.616	136	18878	0.400	ng	#-0.01
13) Acenaphthene-d10	14.473	164	9985	0.400	ng	0.00
19) Phenanthrene-d10	17.223	188	20629	0.400	ng	0.00
29) Chrysene-d12	21.402	240	16995	0.400	ng	0.00
35) Perylene-d12	23.733	264	14398	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.384	112	2416	0.162	ng	0.00
5) Phenol-d6	6.973	99	1780	0.091	ng	0.00
8) Nitrobenzene-d5	8.971	82	5480	0.381	ng	0.00
11) 2-Methylnaphthalene-d10	12.217	152	9418	0.359	ng	0.00
14) 2,4,6-Tribromophenol	15.969	330	1477	0.390	ng	0.00
15) 2-Fluorobiphenyl	13.094	172	15214	0.372	ng	0.00
27) Fluoranthene-d10	19.252	212	26271	0.506	ng	0.00
31) Terphenyl-d14	19.852	244	18371	0.543	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.290	88	2803	0.422	ng	# 88
34) Bis(2-ethylhexyl)phtha...	21.322	149	3057	0.130	ng	# 98

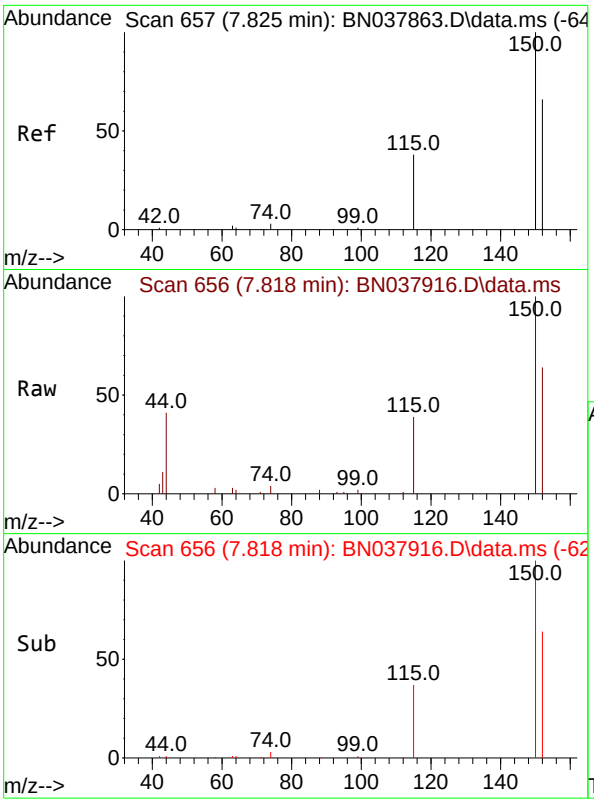
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092525\
Data File : BN037916.D
Acq On : 26 Sep 2025 08:19
Operator : RC/JU
Sample : Q3156-18
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RW9-MW01S-20250918

Quant Time: Sep 26 08:44:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration



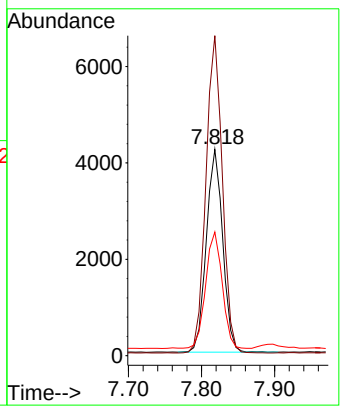


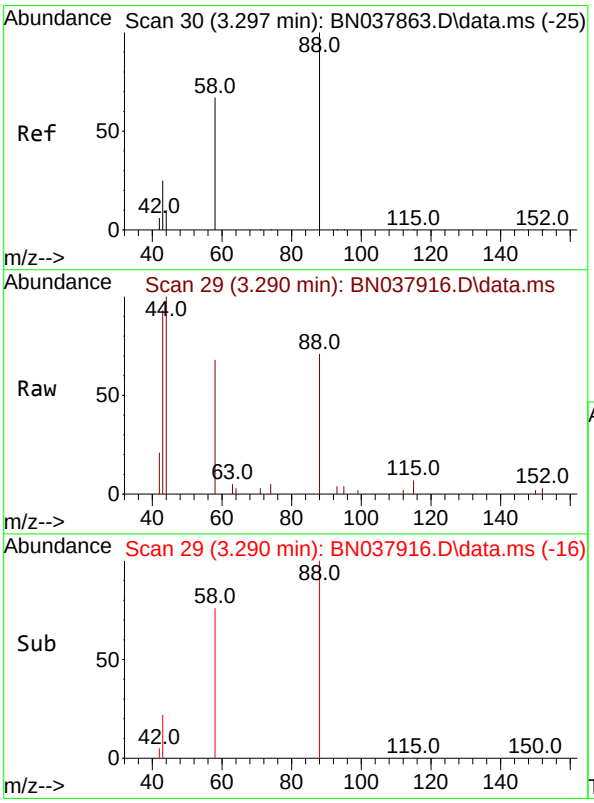
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.818 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN037916.D
Acq: 26 Sep 2025 08:19

Instrument :
BNA_N
ClientSampleId :
RW9-MW01S-20250918

Tgt Ion:152 Resp: 6549

Ion	Ratio	Lower	Upper
152	100		
150	155.2	121.0	181.4
115	59.9	47.4	71.0

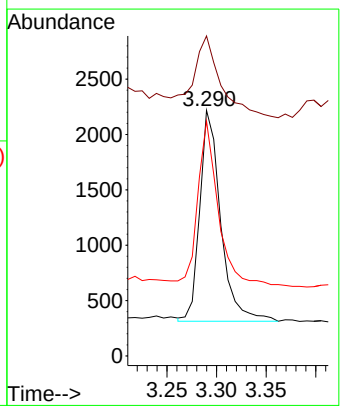


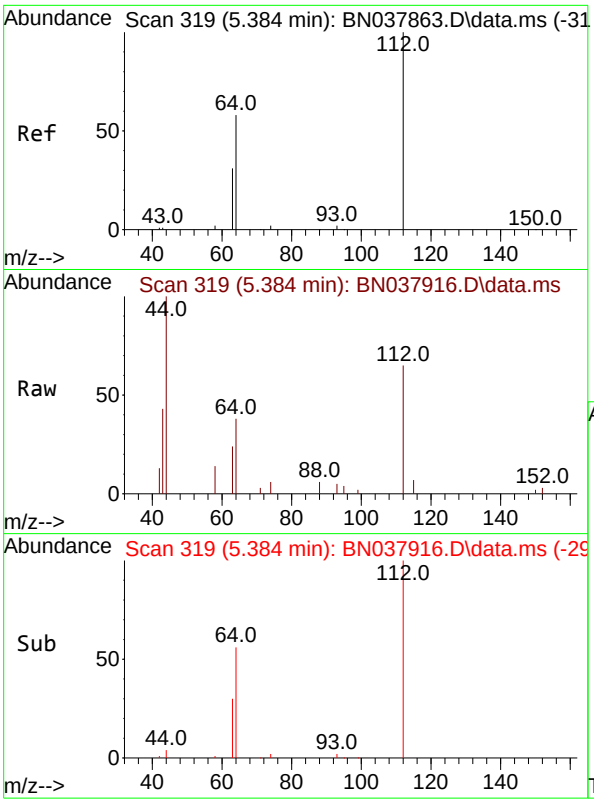


#2
1,4-Dioxane
Concen: 0.422 ng
RT: 3.290 min Scan# 29
Delta R.T. -0.007 min
Lab File: BN037916.D
Acq: 26 Sep 2025 08:19

Tgt Ion: 88 Resp: 2803

Ion	Ratio	Lower	Upper
88	100		
43	53.4	26.6	39.8#
58	74.3	58.9	88.3



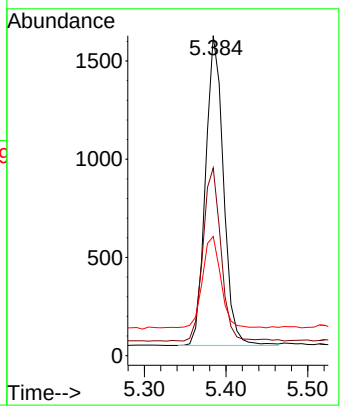


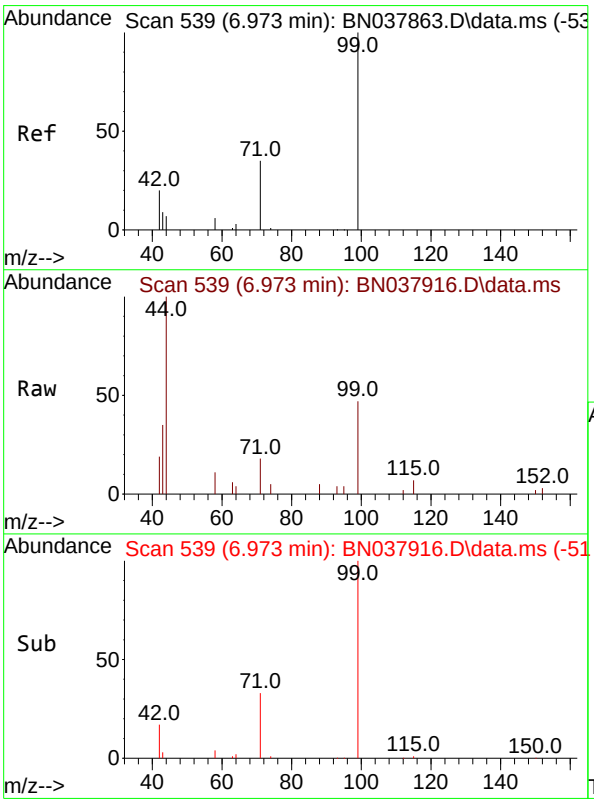
#4
2-Fluorophenol
Concen: 0.162 ng
RT: 5.384 min Scan# 31
Delta R.T. -0.000 min
Lab File: BN037916.D
Acq: 26 Sep 2025 08:19

Instrument :
BNA_N
ClientSampleId :
RW9-MW01S-20250918

Tgt Ion:112 Resp: 2416

Ion	Ratio	Lower	Upper
112	100		
64	55.7	44.6	66.8
63	29.9	24.9	37.3

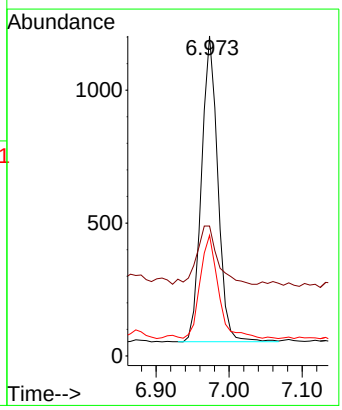


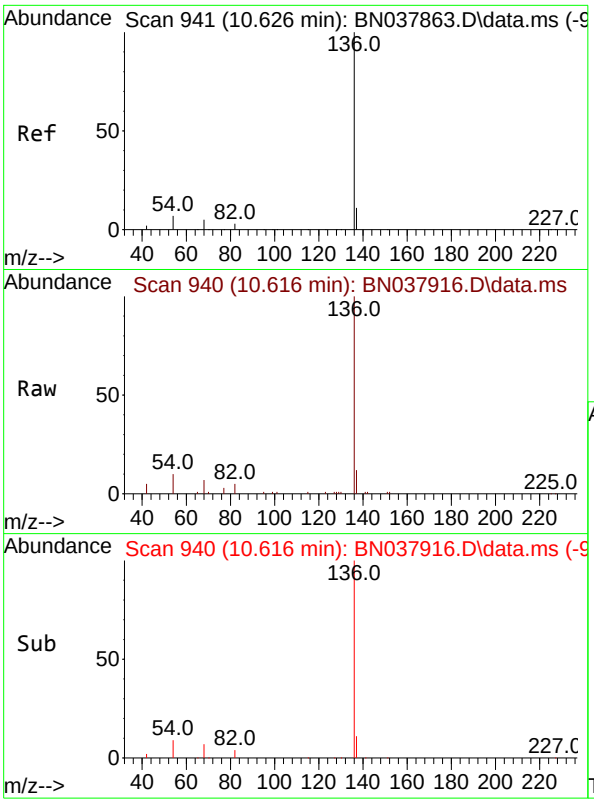


#5
Phenol-d6
Concen: 0.091 ng
RT: 6.973 min Scan# 539
Delta R.T. -0.000 min
Lab File: BN037916.D
Acq: 26 Sep 2025 08:19

Tgt Ion: 99 Resp: 1780

Ion	Ratio	Lower	Upper
99	100		
42	24.2	17.2	25.8
71	37.3	27.3	40.9



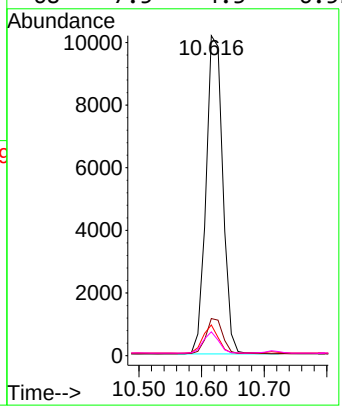


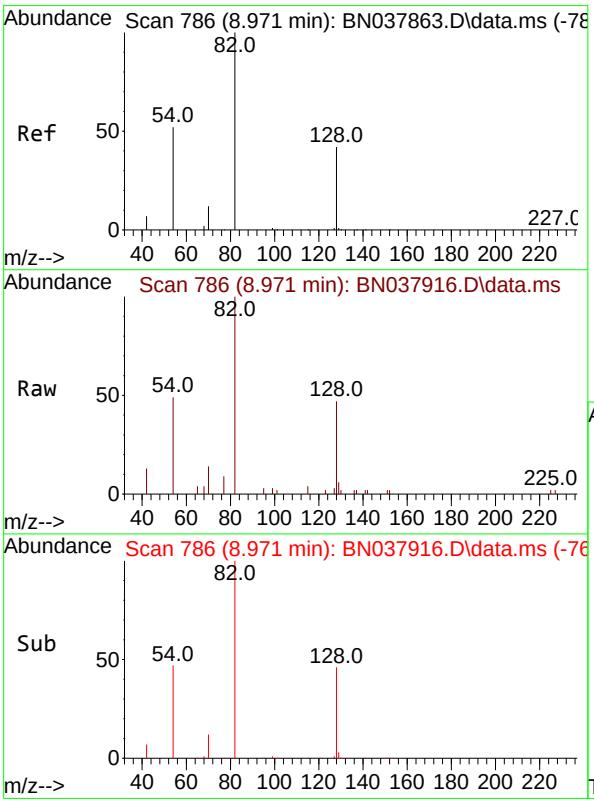
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.616 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037916.D
Acq: 26 Sep 2025 08:19

Instrument :
BNA_N
ClientSampleId :
RW9-MW01S-20250918

Tgt Ion:136 Resp: 18878

Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.0	13.4
54	9.6	5.8	8.8#
68	7.5	4.3	6.5#

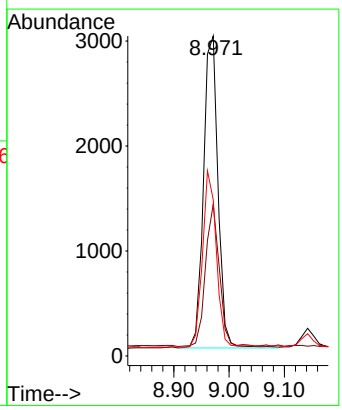


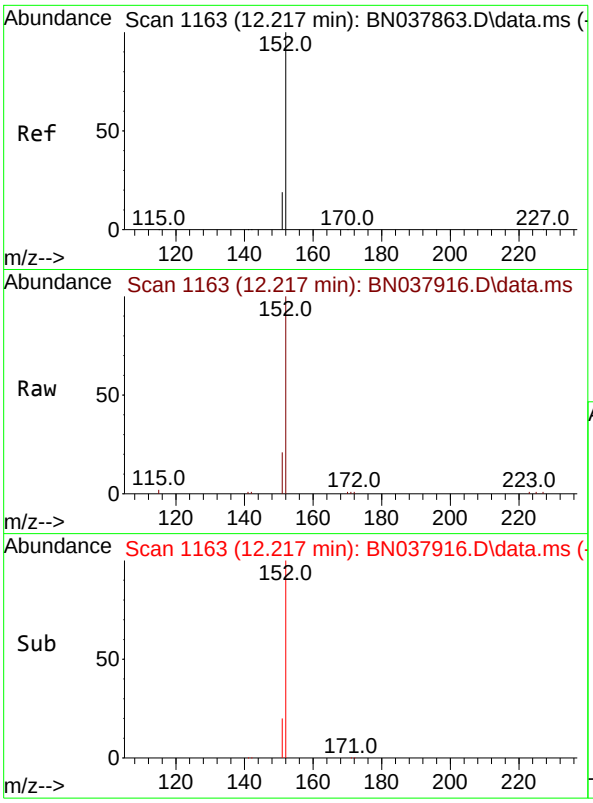


#8
Nitrobenzene-d5
Concen: 0.381 ng
RT: 8.971 min Scan# 786
Delta R.T. -0.000 min
Lab File: BN037916.D
Acq: 26 Sep 2025 08:19

Tgt Ion: 82 Resp: 5480

Ion	Ratio	Lower	Upper
82	100		
128	47.4	34.8	52.2
54	48.8	42.2	63.2



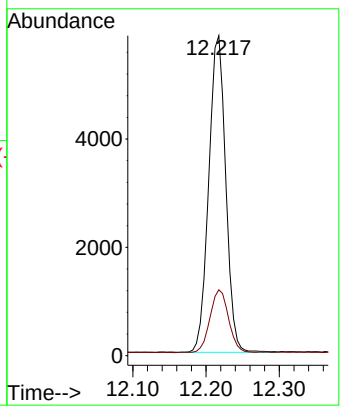


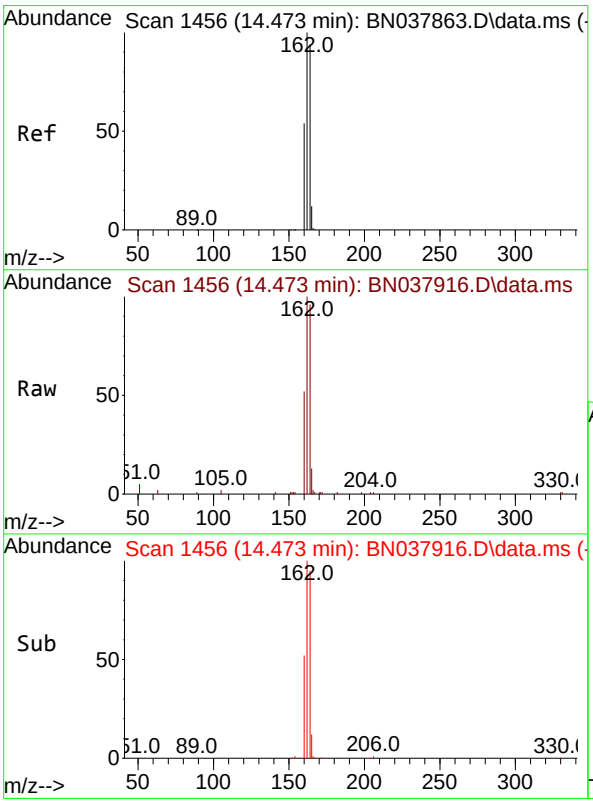
#11
2-Methylnaphthalene-d10
Concen: 0.359 ng
RT: 12.217 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN037916.D
Acq: 26 Sep 2025 08:19

Instrument :
BNA_N
ClientSampleId :
RW9-MW01S-20250918

Tgt Ion:152 Resp: 9418

Ion	Ratio	Lower	Upper
152	100		
151	21.7	17.4	26.2

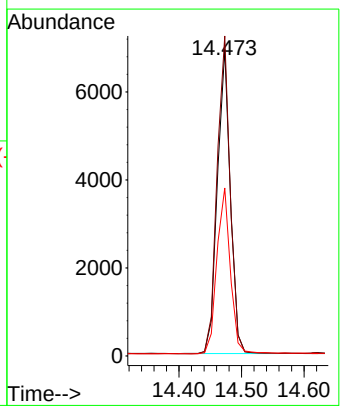


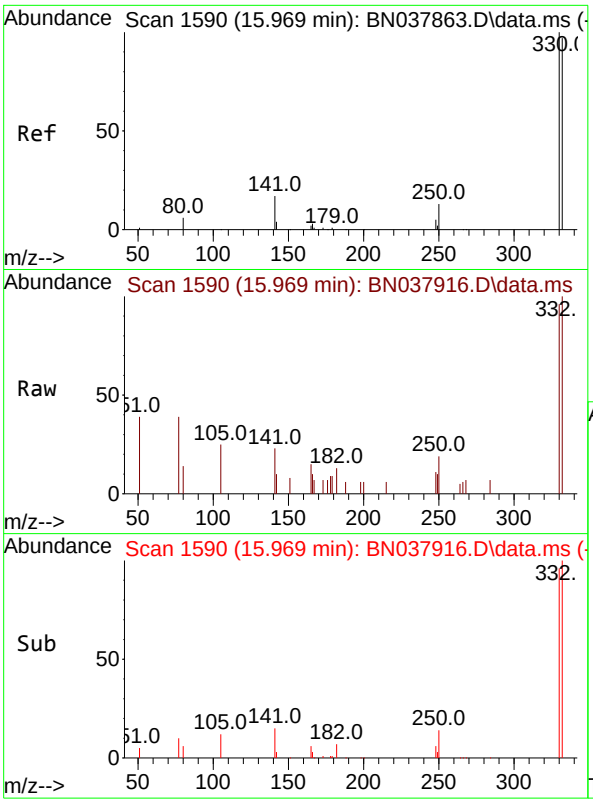


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.473 min Scan# 1456
Delta R.T. -0.000 min
Lab File: BN037916.D
Acq: 26 Sep 2025 08:19

Tgt Ion:164 Resp: 9985

Ion	Ratio	Lower	Upper
164	100		
162	104.4	84.8	127.2
160	54.8	46.1	69.1



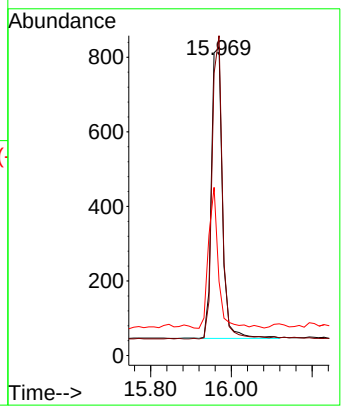


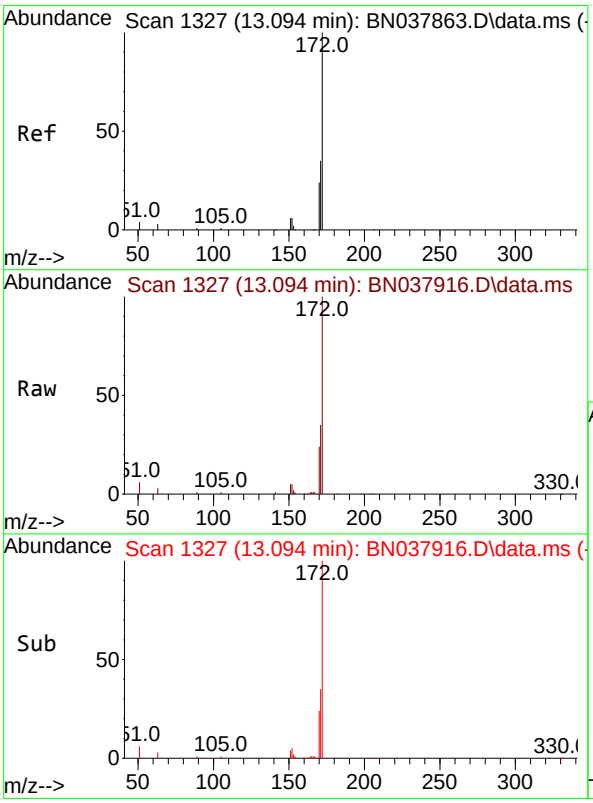
#14
2,4,6-Tribromophenol
Concen: 0.390 ng
RT: 15.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037916.D
Acq: 26 Sep 2025 08:19

Instrument :
BNA_N
ClientSampleId :
RW9-MW01S-20250918

Tgt Ion:330 Resp: 1477

Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.2	115.8
141	43.9	37.2	55.8

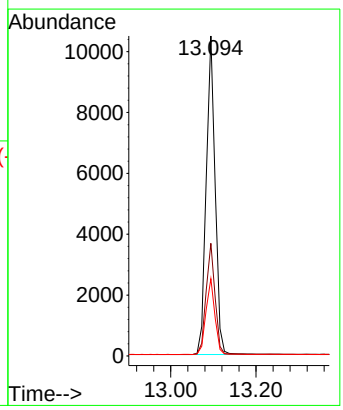


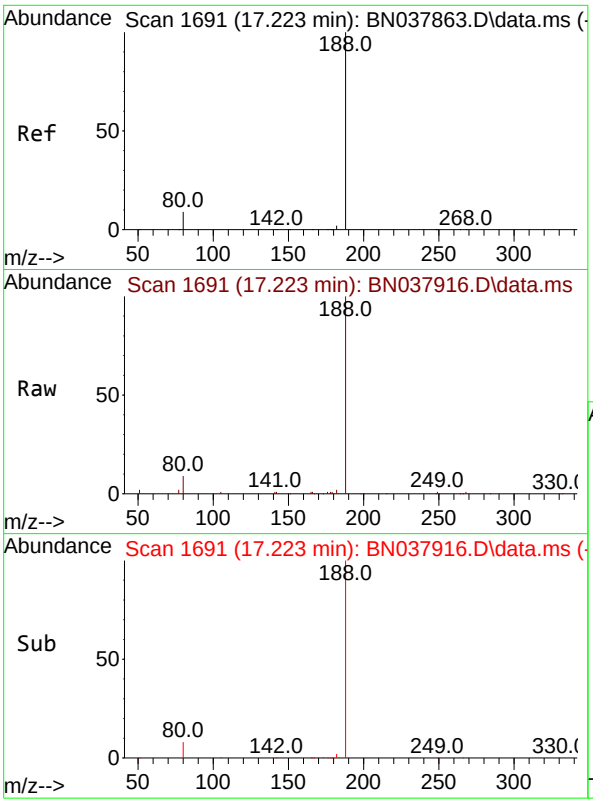


#15
2-Fluorobiphenyl
Concen: 0.372 ng
RT: 13.094 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BN037916.D
Acq: 26 Sep 2025 08:19

Tgt Ion:172 Resp: 15214

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.6	43.0
170	24.2	19.7	29.5



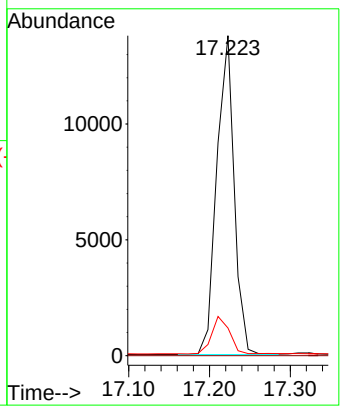


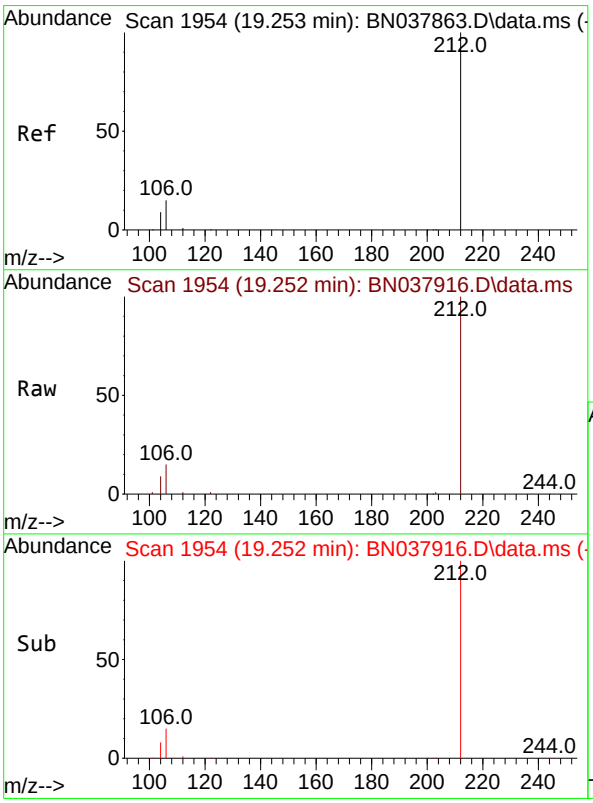
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.223 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037916.D
Acq: 26 Sep 2025 08:19

Instrument :
BNA_N
ClientSampleId :
RW9-MW01S-20250918

Tgt Ion:188 Resp: 20629

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.6	7.6	11.4

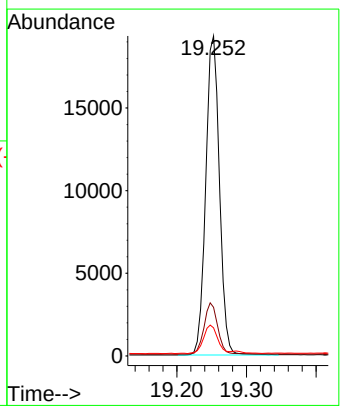


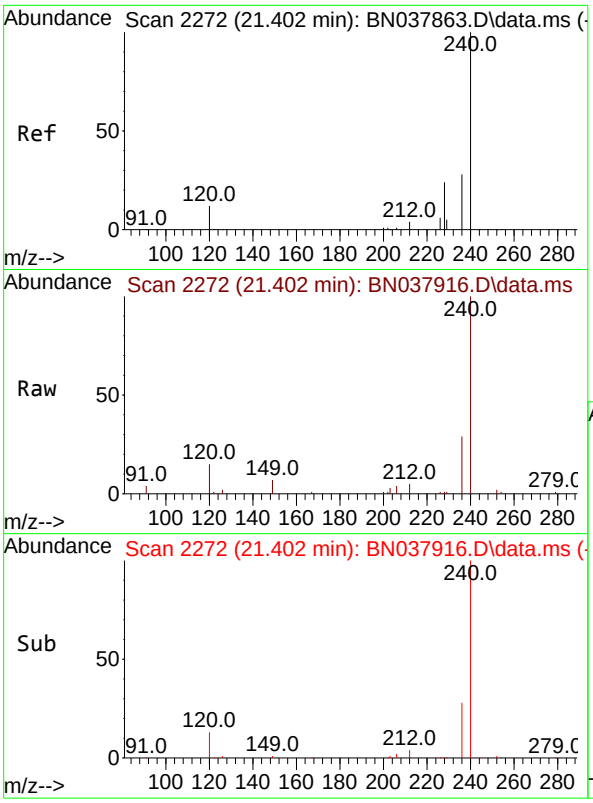


#27
Fluoranthene-d10
Concen: 0.506 ng
RT: 19.252 min Scan# 1954
Delta R.T. -0.000 min
Lab File: BN037916.D
Acq: 26 Sep 2025 08:19

Tgt Ion:212 Resp: 26271

Ion	Ratio	Lower	Upper
212	100		
106	16.1	12.6	19.0
104	9.1	7.4	11.0



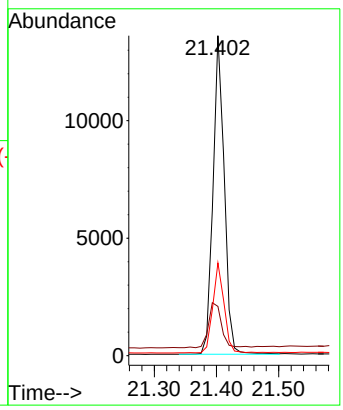


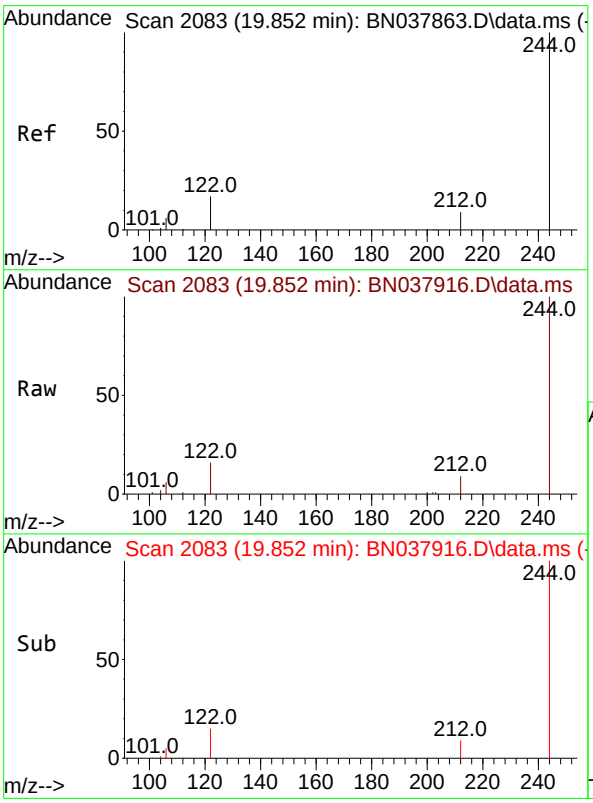
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.402 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037916.D
Acq: 26 Sep 2025 08:19

Instrument :
BNA_N
ClientSampleId :
RW9-MW01S-20250918

Tgt Ion:240 Resp: 16995

Ion	Ratio	Lower	Upper
240	100		
120	15.4	11.4	17.2
236	29.0	23.0	34.6

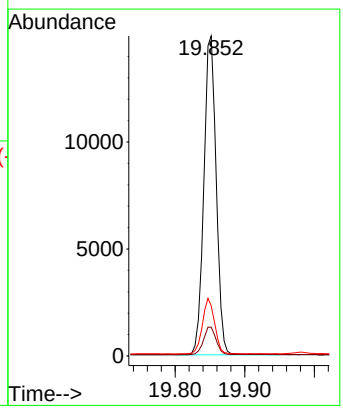


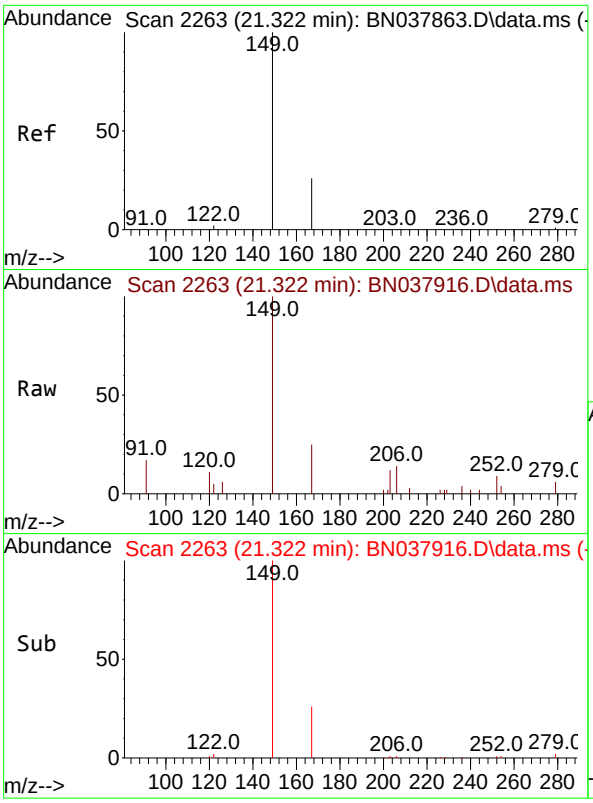


#31
Terphenyl-d14
Concen: 0.543 ng
RT: 19.852 min Scan# 2083
Delta R.T. -0.000 min
Lab File: BN037916.D
Acq: 26 Sep 2025 08:19

Tgt Ion:244 Resp: 18371

Ion	Ratio	Lower	Upper
244	100		
212	9.0	7.6	11.4
122	15.7	13.9	20.9



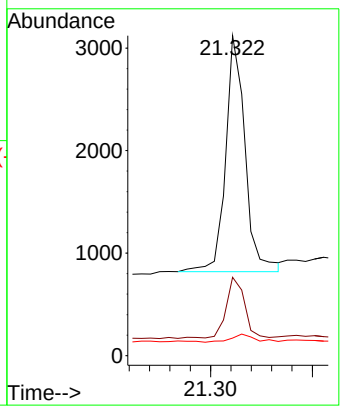


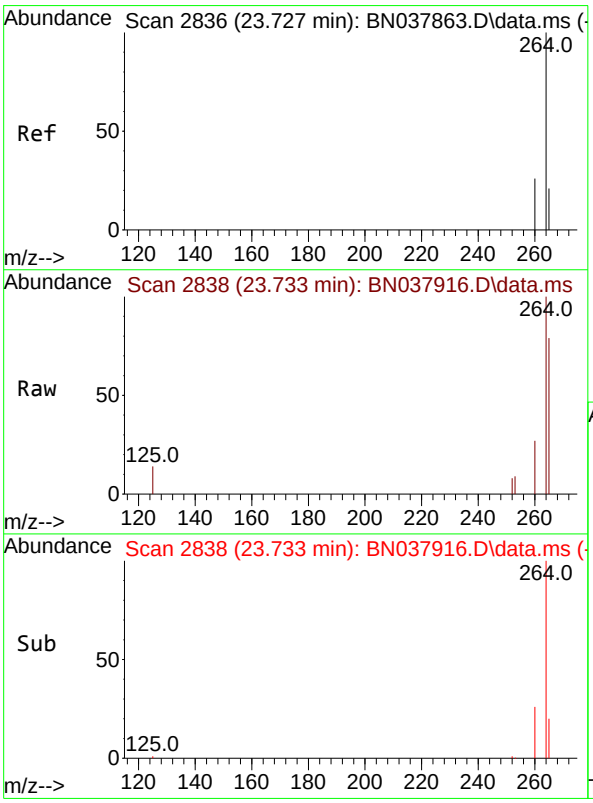
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.130 ng
RT: 21.322 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037916.D
Acq: 26 Sep 2025 08:19

Instrument :
BNA_N
ClientSampleId :
RW9-MW01S-20250918

Tgt Ion:149 Resp: 3057

Ion	Ratio	Lower	Upper
149	100		
167	24.7	20.4	30.6
279	4.2	2.4	3.6#

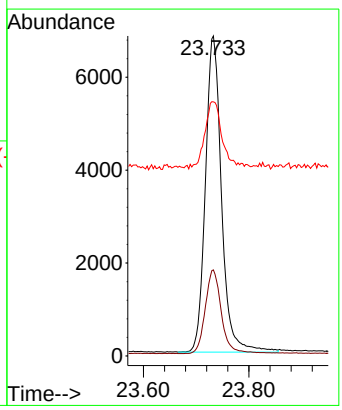




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.733 min Scan# 2838
Delta R.T. 0.006 min
Lab File: BN037916.D
Acq: 26 Sep 2025 08:19

Tgt Ion:264 Resp: 14398

Ion	Ratio	Lower	Upper
264	100		
260	26.9	21.5	32.3
265	79.4	53.8	80.6



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:	09/19/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/19/25
Client Sample ID:	TT191D1-20250918	SDG No.:	Q3156
Lab Sample ID:	Q3156-19	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
BN037917.D	1	09/23/25 09:15	09/26/25 08:55	PB169794

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	0.39		30 - 150		96%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.50		30 - 150		126%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.41		55 - 111		102%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.43	*	53 - 106		107%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.55	*	58 - 132		138%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6650	7.818				
1146-65-2	Naphthalene-d8	19100	10.615				
15067-26-2	Acenaphthene-d10	9590	14.473				
1517-22-2	Phenanthrene-d10	19900	17.223				
1719-03-5	Chrysene-d12	16700	21.402				
1520-96-3	Perylene-d12	13900	23.733				

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\BN092525\
Data File : BN037917.D
Acq On : 26 Sep 2025 08:55
Operator : RC/JU
Sample : Q3156-19
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
TT191D1-20250918

Quant Time: Sep 26 09:24:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration

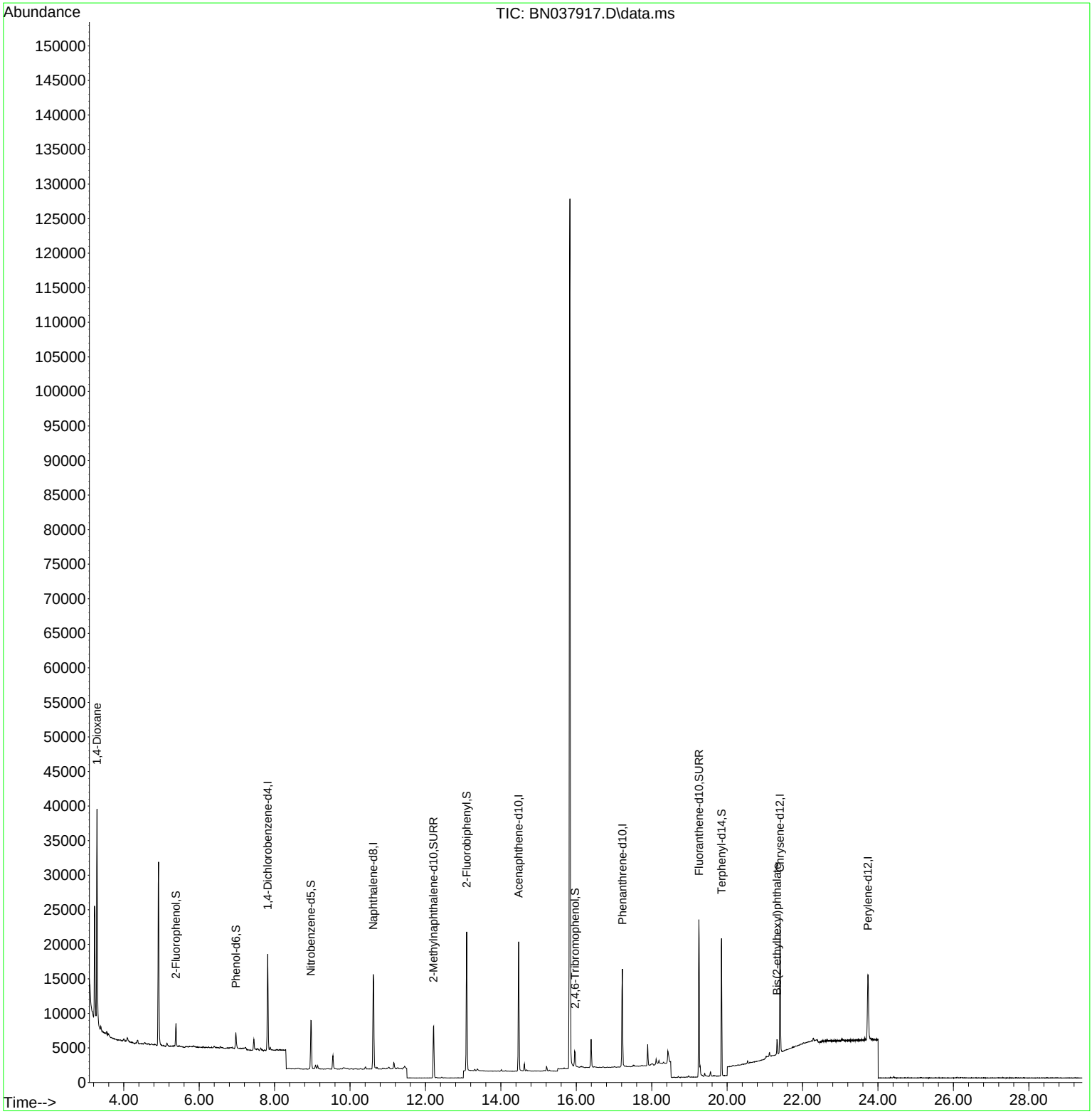
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.818	152	6652	0.400	ng	0.00
7) Naphthalene-d8	10.615	136	19099	0.400	ng	#-0.01
13) Acenaphthene-d10	14.473	164	9587	0.400	ng	0.00
19) Phenanthrene-d10	17.223	188	19938	0.400	ng	0.00
29) Chrysene-d12	21.402	240	16744	0.400	ng	0.00
35) Perylene-d12	23.733	264	13944	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.384	112	2596	0.171	ng	0.00
5) Phenol-d6	6.973	99	2000	0.100	ng	0.00
8) Nitrobenzene-d5	8.961	82	5934	0.407	ng	-0.01
11) 2-Methylnaphthalene-d10	12.212	152	10225	0.385	ng	0.00
14) 2,4,6-Tribromophenol	15.969	330	1419	0.390	ng	0.00
15) 2-Fluorobiphenyl	13.094	172	16815	0.428	ng	0.00
27) Fluoranthene-d10	19.252	212	25257	0.504	ng	0.00
31) Terphenyl-d14	19.852	244	18332	0.550	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.290	88	19052	2.821	ng	99
34) Bis(2-ethylhexyl)phtha...	21.322	149	2502	0.108	ng	97

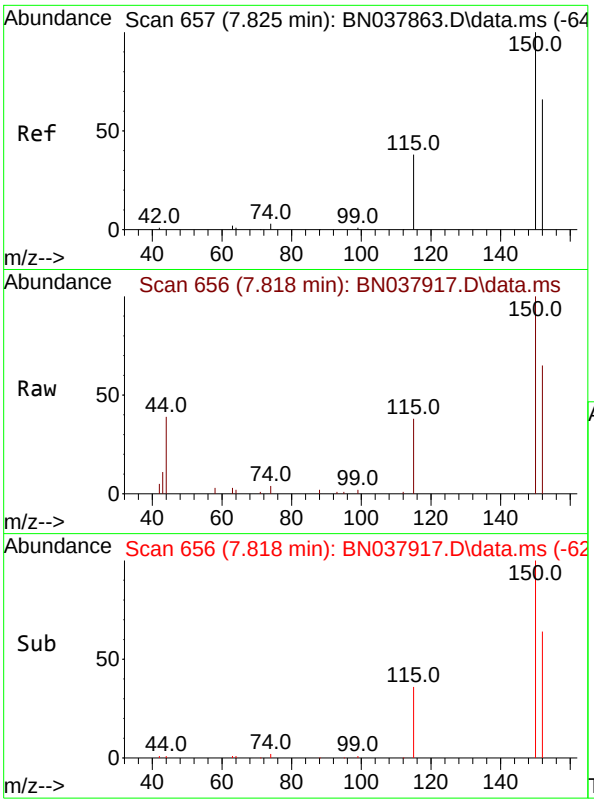
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092525\
Data File : BN037917.D
Acq On : 26 Sep 2025 08:55
Operator : RC/JU
Sample : Q3156-19
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
TT191D1-20250918

Quant Time: Sep 26 09:24:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration



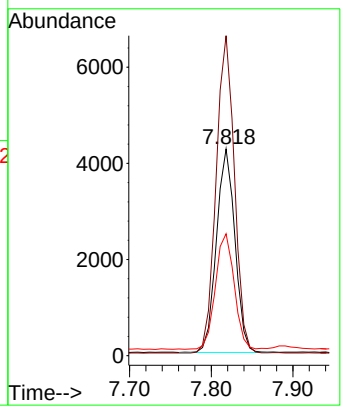


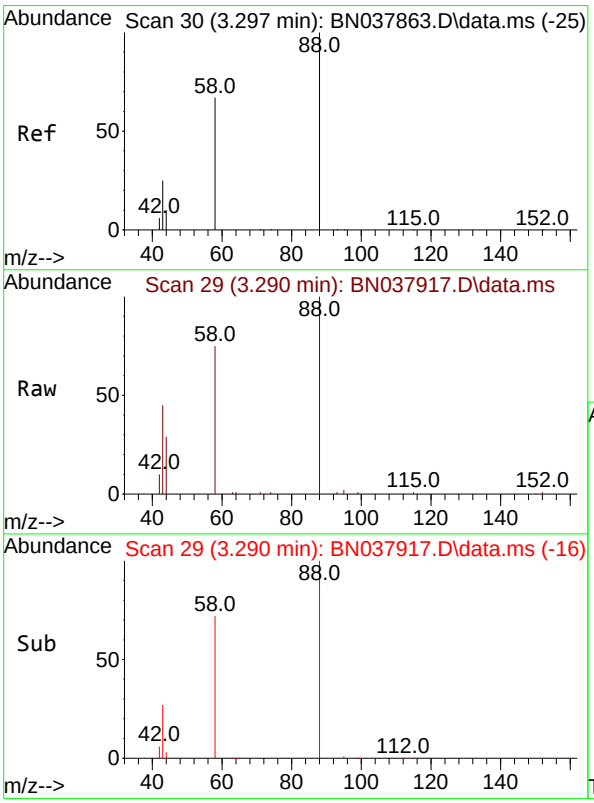
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.818 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN037917.D
Acq: 26 Sep 2025 08:55

Instrument :
BNA_N
ClientSampleId :
TT191D1-20250918

Tgt Ion:152 Resp: 6652

Ion	Ratio	Lower	Upper
152	100		
150	154.8	121.0	181.4
115	59.0	47.4	71.0

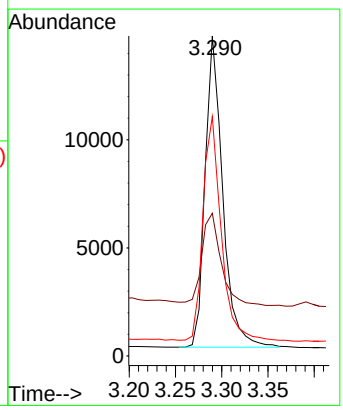


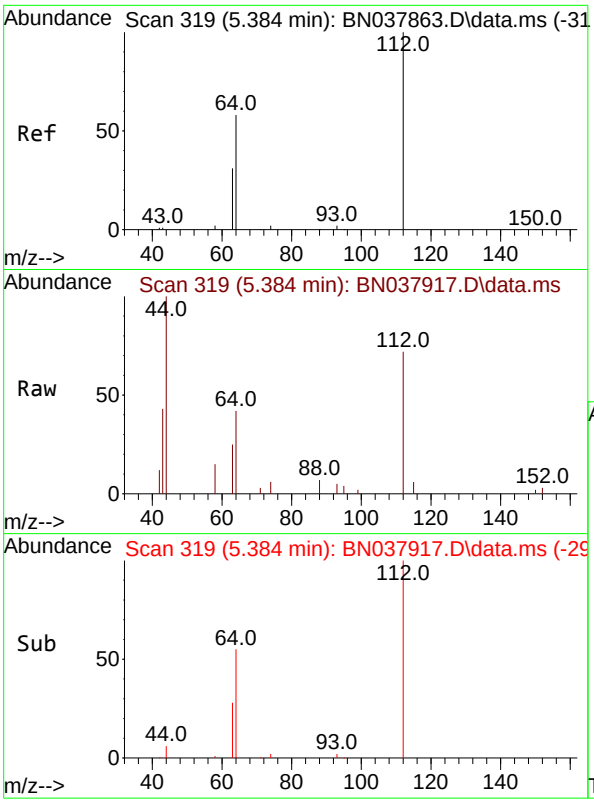


#2
1,4-Dioxane
Concen: 2.821 ng
RT: 3.290 min Scan# 29
Delta R.T. -0.007 min
Lab File: BN037917.D
Acq: 26 Sep 2025 08:55

Tgt Ion: 88 Resp: 19052

Ion	Ratio	Lower	Upper
88	100		
43	32.5	26.6	39.8
58	73.8	58.9	88.3



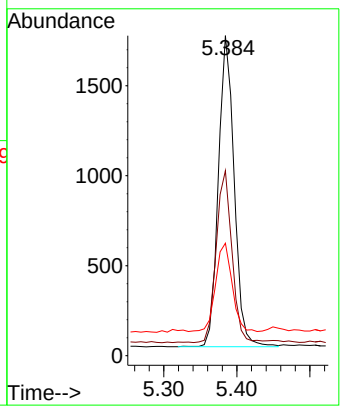


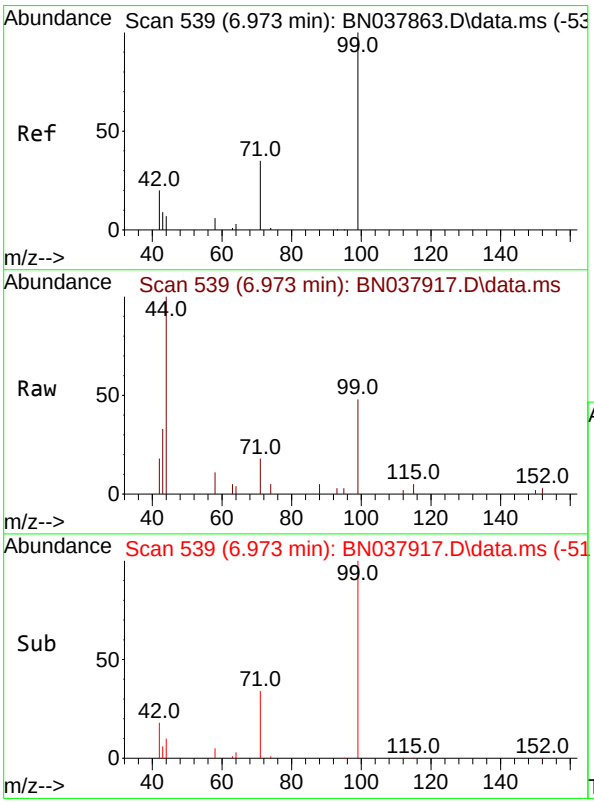
#4
2-Fluorophenol
Concen: 0.171 ng
RT: 5.384 min Scan# 31
Delta R.T. -0.000 min
Lab File: BN037917.D
Acq: 26 Sep 2025 08:55

Instrument :
BNA_N
ClientSampleId :
TT191D1-20250918

Tgt Ion:112 Resp: 2596

Ion	Ratio	Lower	Upper
112	100		
64	55.0	44.6	66.8
63	29.6	24.9	37.3

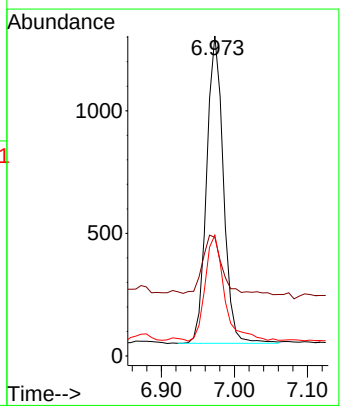


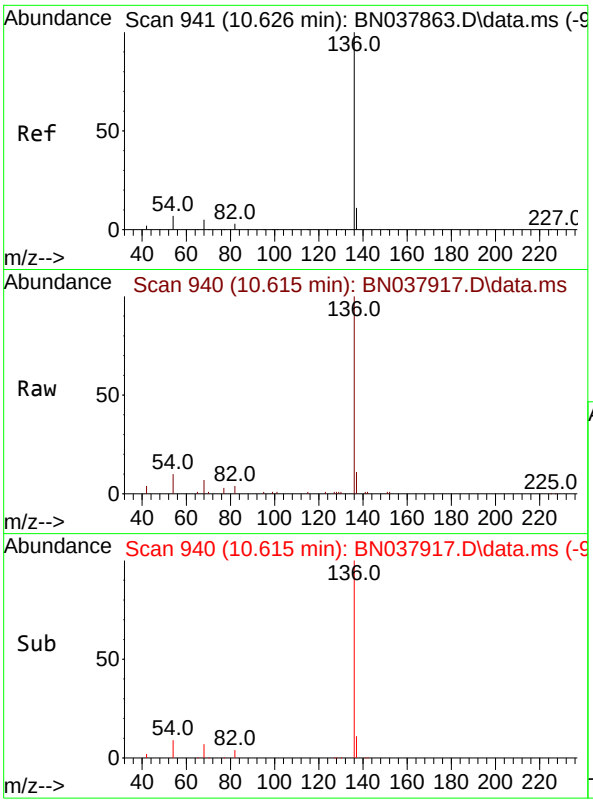


#5
Phenol-d6
Concen: 0.100 ng
RT: 6.973 min Scan# 539
Delta R.T. -0.000 min
Lab File: BN037917.D
Acq: 26 Sep 2025 08:55

Tgt Ion: 99 Resp: 2000

Ion	Ratio	Lower	Upper
99	100		
42	30.4	17.2	25.8#
71	39.8	27.3	40.9



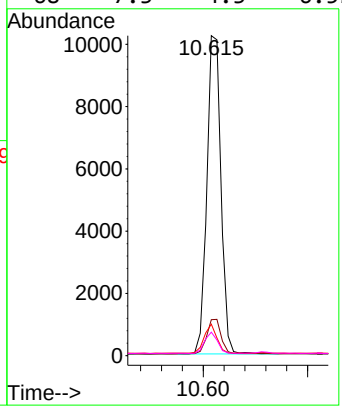


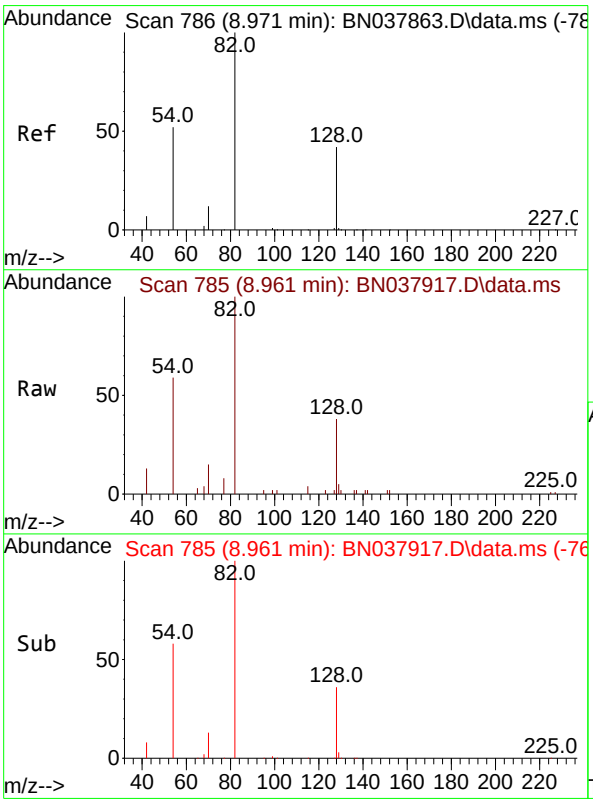
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.615 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037917.D
Acq: 26 Sep 2025 08:55

Instrument :
BNA_N
ClientSampleId :
TT191D1-20250918

Tgt Ion:136 Resp: 19099

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.4
54	9.9	5.8	8.8#
68	7.3	4.3	6.5#

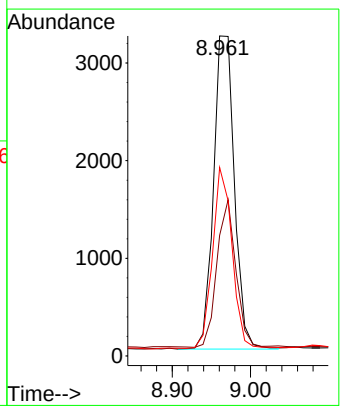


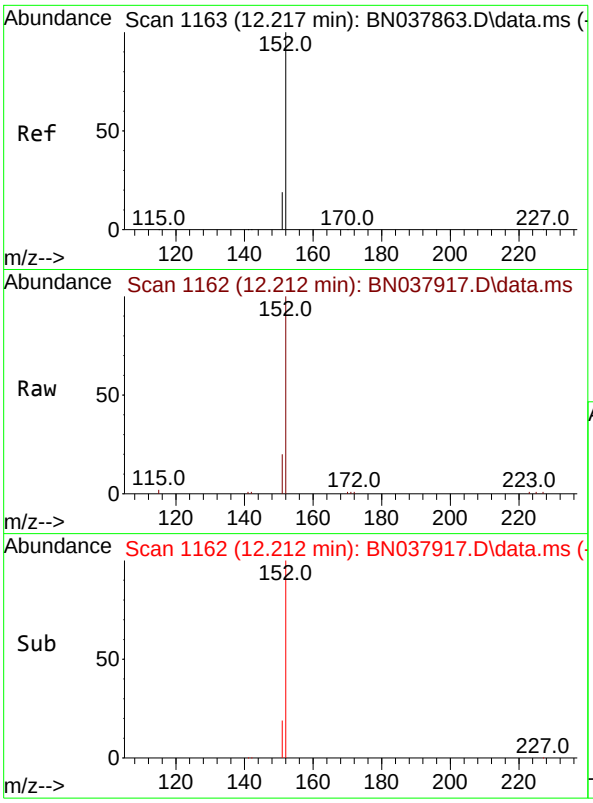


#8
Nitrobenzene-d5
Concen: 0.407 ng
RT: 8.961 min Scan# 785
Delta R.T. -0.011 min
Lab File: BN037917.D
Acq: 26 Sep 2025 08:55

Tgt Ion: 82 Resp: 5934

Ion	Ratio	Lower	Upper
82	100		
128	37.7	34.8	52.2
54	58.9	42.2	63.2



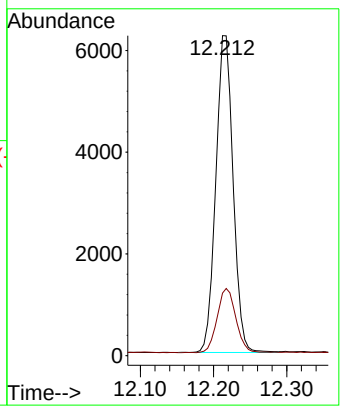


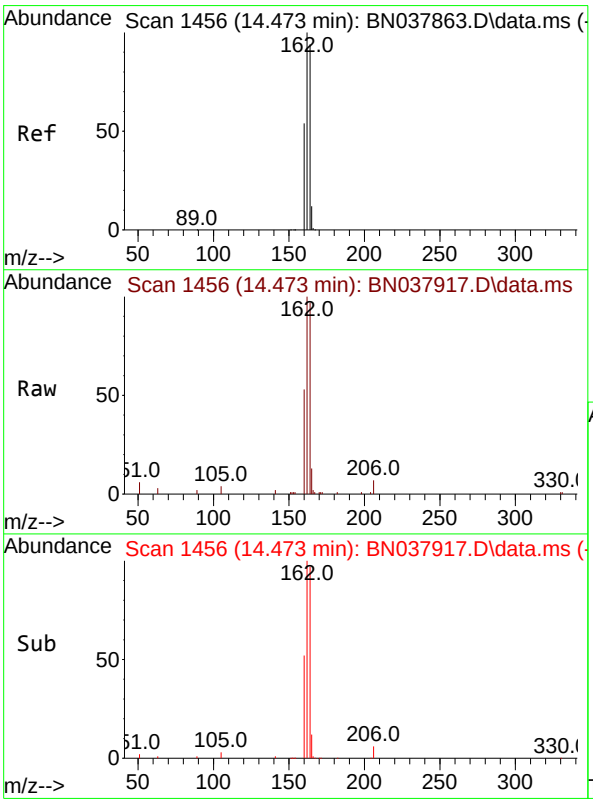
#11
2-Methylnaphthalene-d10
Concen: 0.385 ng
RT: 12.212 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN037917.D
Acq: 26 Sep 2025 08:55

Instrument :
BNA_N
ClientSampleId :
TT191D1-20250918

Tgt Ion:152 Resp: 10225

Ion	Ratio	Lower	Upper
152	100		
151	21.8	17.4	26.2

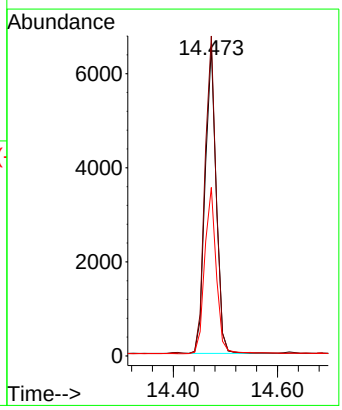


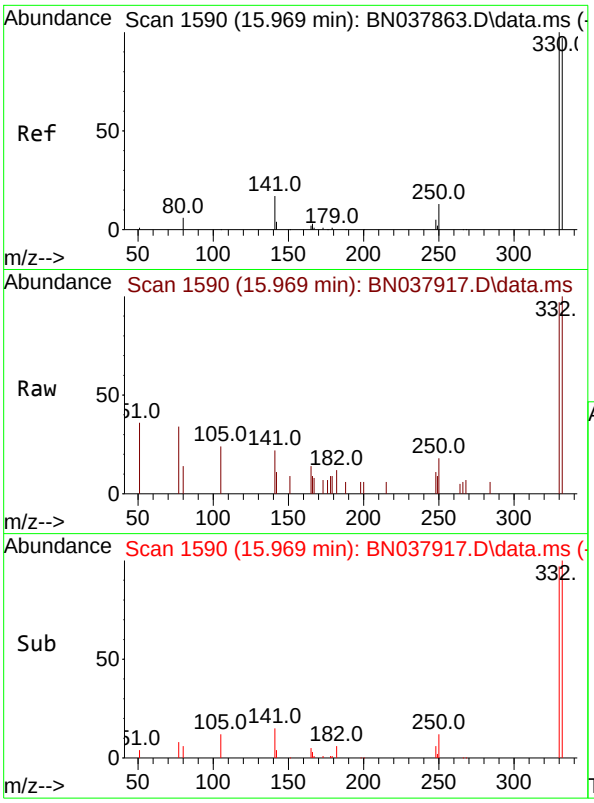


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.473 min Scan# 1456
Delta R.T. -0.000 min
Lab File: BN037917.D
Acq: 26 Sep 2025 08:55

Tgt Ion:164 Resp: 9587

Ion	Ratio	Lower	Upper
164	100		
162	103.4	84.8	127.2
160	54.4	46.1	69.1



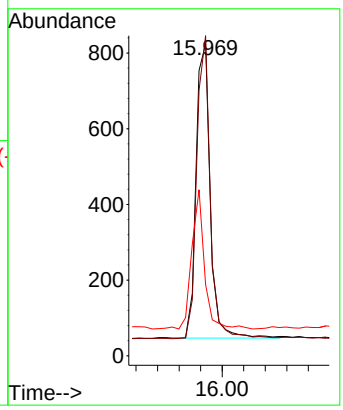


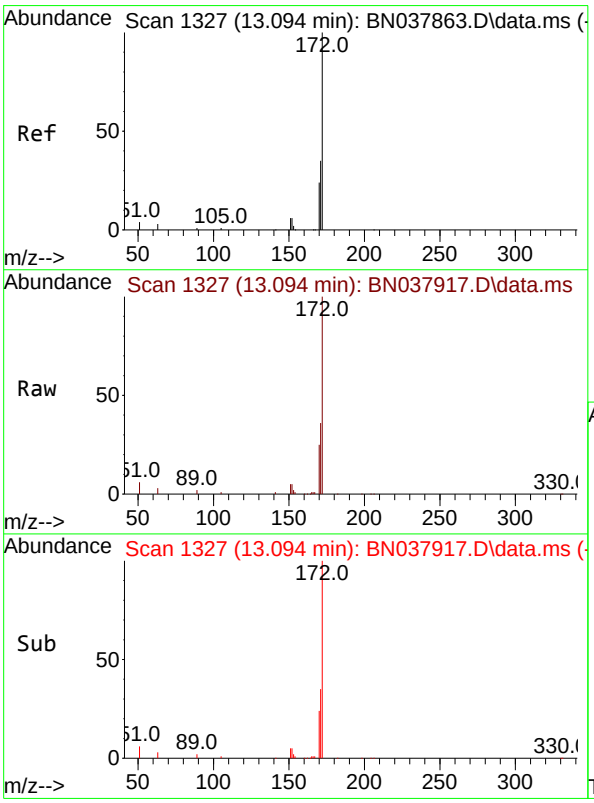
#14
2,4,6-Tribromophenol
Concen: 0.390 ng
RT: 15.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037917.D
Acq: 26 Sep 2025 08:55

Instrument :
BNA_N
ClientSampleId :
TT191D1-20250918

Tgt Ion:330 Resp: 1419

Ion	Ratio	Lower	Upper
330	100		
332	98.9	77.2	115.8
141	43.2	37.2	55.8

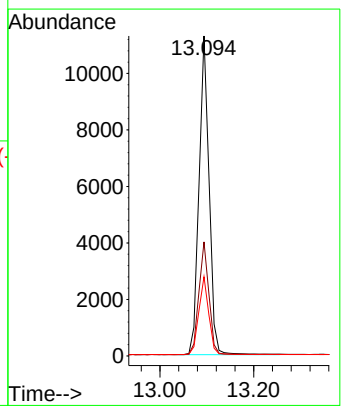


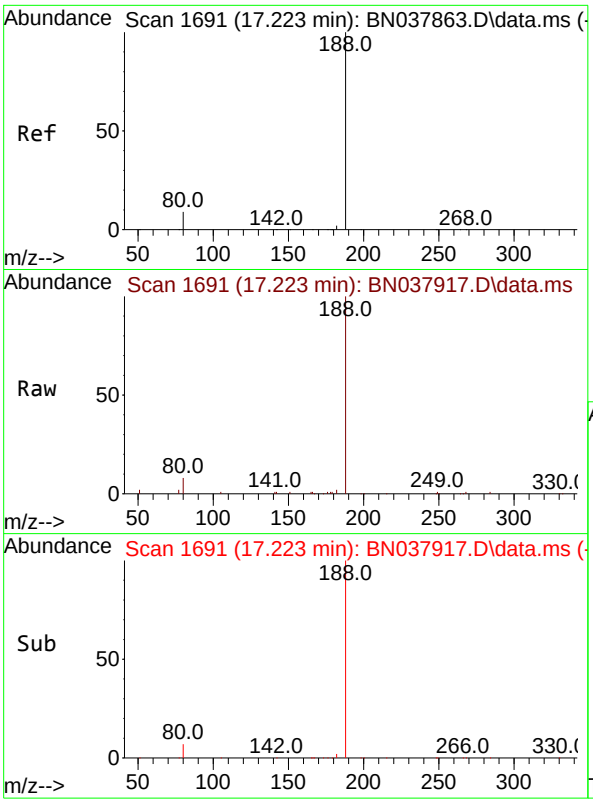


#15
2-Fluorobiphenyl
Concen: 0.428 ng
RT: 13.094 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BN037917.D
Acq: 26 Sep 2025 08:55

Tgt Ion:172 Resp: 16815

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.6	43.0
170	24.7	19.7	29.5



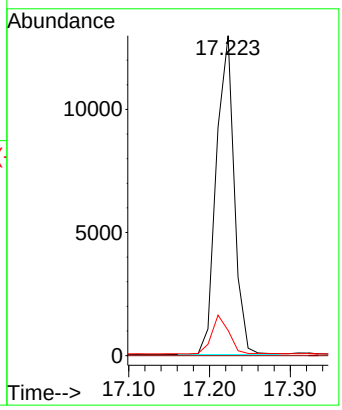


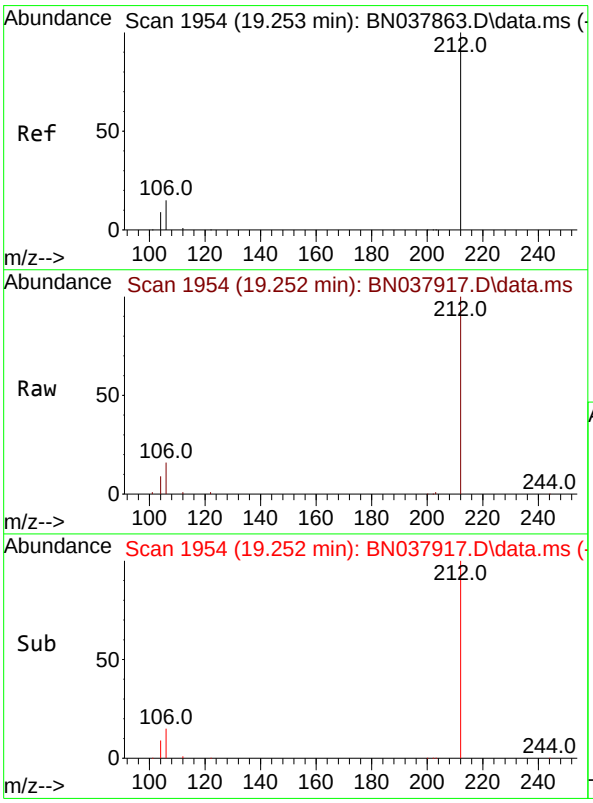
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.223 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037917.D
Acq: 26 Sep 2025 08:55

Instrument :
BNA_N
ClientSampleId :
TT191D1-20250918

Tgt Ion:188 Resp: 19938

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.9	7.6	11.4

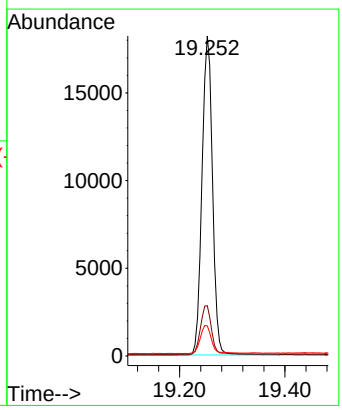


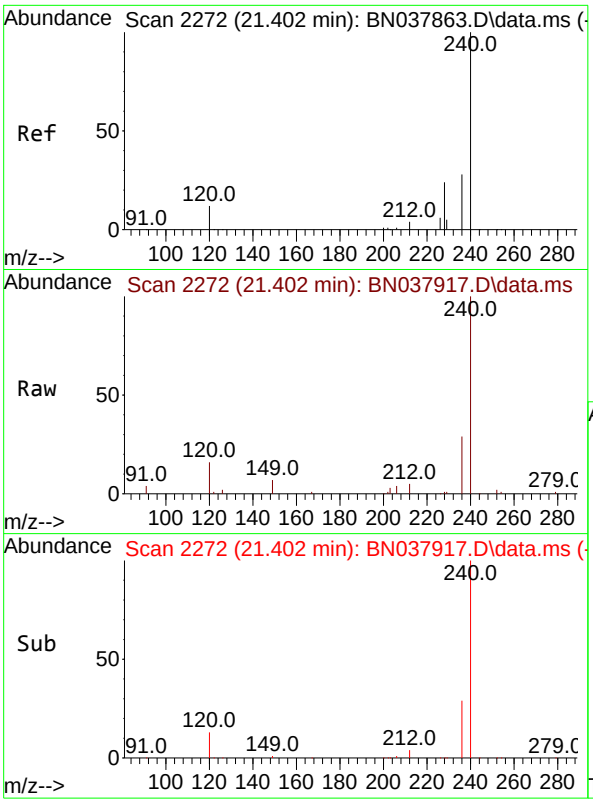


#27
Fluoranthene-d10
Concen: 0.504 ng
RT: 19.252 min Scan# 1954
Delta R.T. -0.000 min
Lab File: BN037917.D
Acq: 26 Sep 2025 08:55

Tgt Ion:212 Resp: 25257

Ion	Ratio	Lower	Upper
212	100		
106	16.1	12.6	19.0
104	9.4	7.4	11.0



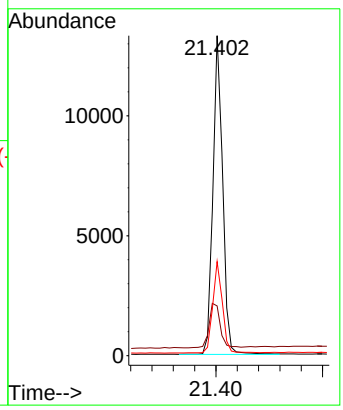


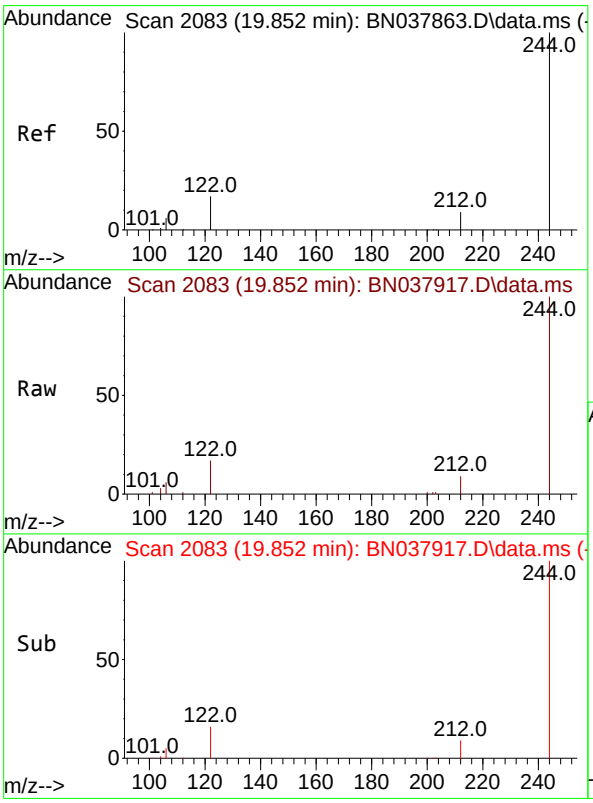
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.402 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037917.D
Acq: 26 Sep 2025 08:55

Instrument :
BNA_N
ClientSampleId :
TT191D1-20250918

Tgt Ion:240 Resp: 16744

Ion	Ratio	Lower	Upper
240	100		
120	15.5	11.4	17.2
236	29.4	23.0	34.6

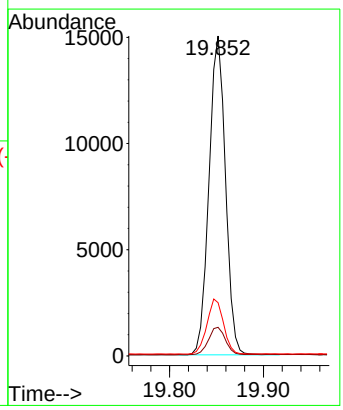


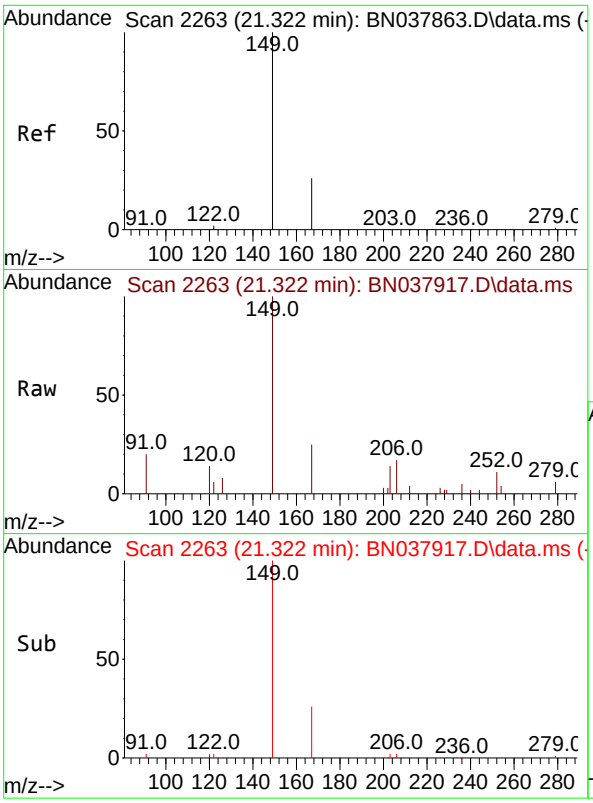


#31
Terphenyl-d14
Concen: 0.550 ng
RT: 19.852 min Scan# 2083
Delta R.T. -0.000 min
Lab File: BN037917.D
Acq: 26 Sep 2025 08:55

Tgt Ion:244 Resp: 18332

Ion	Ratio	Lower	Upper
244	100		
212	9.0	7.6	11.4
122	16.7	13.9	20.9



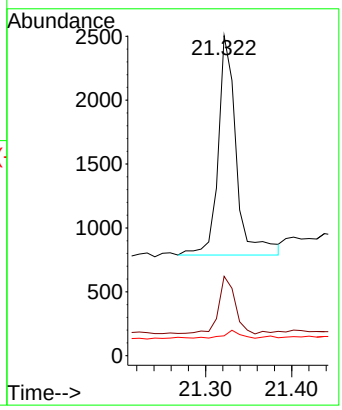


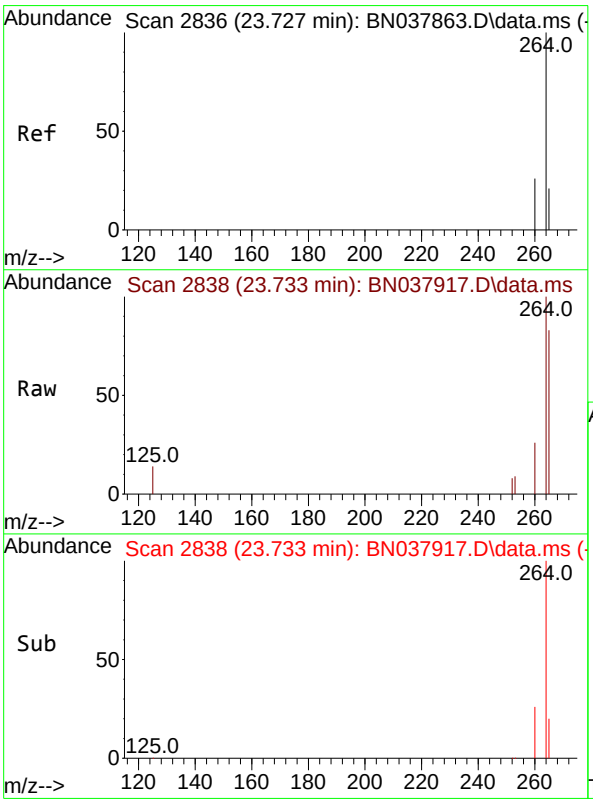
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.108 ng
RT: 21.322 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037917.D
Acq: 26 Sep 2025 08:55

Instrument :
BNA_N
ClientSampleId :
TT191D1-20250918

Tgt Ion:149 Resp: 2502

Ion	Ratio	Lower	Upper
149	100		
167	23.9	20.4	30.6
279	3.1	2.4	3.6

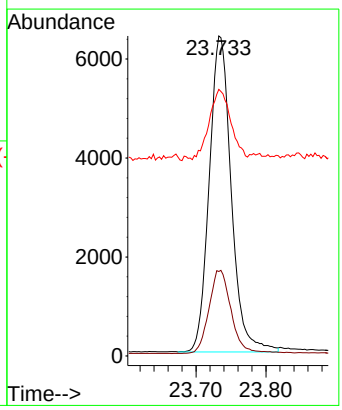




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.733 min Scan# 2838
Delta R.T. 0.006 min
Lab File: BN037917.D
Acq: 26 Sep 2025 08:55

Tgt Ion:264 Resp: 13944

Ion	Ratio	Lower	Upper
264	100		
260	26.4	21.5	32.3
265	83.3	53.8	80.6#



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:	09/19/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/19/25
Client Sample ID:	DUP09-20250918	SDG No.:	Q3156
Lab Sample ID:	Q3156-20	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
BN037918.D	1	09/23/25 09:15	09/26/25 09:32	PB169794

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	0.40		30 - 150		100%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.48		30 - 150		119%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.43		55 - 111		106%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.42		53 - 106		105%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.52		58 - 132		129%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6520	7.818				
1146-65-2	Naphthalene-d8	18200	10.616				
15067-26-2	Acenaphthene-d10	9530	14.473				
1517-22-2	Phenanthrene-d10	19600	17.223				
1719-03-5	Chrysene-d12	16600	21.402				
1520-96-3	Perylene-d12	14500	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\BN092525\
Data File : BN037918.D
Acq On : 26 Sep 2025 09:32
Operator : RC/JU
Sample : Q3156-20
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DUP09-20250918

Quant Time: Sep 26 11:04:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration

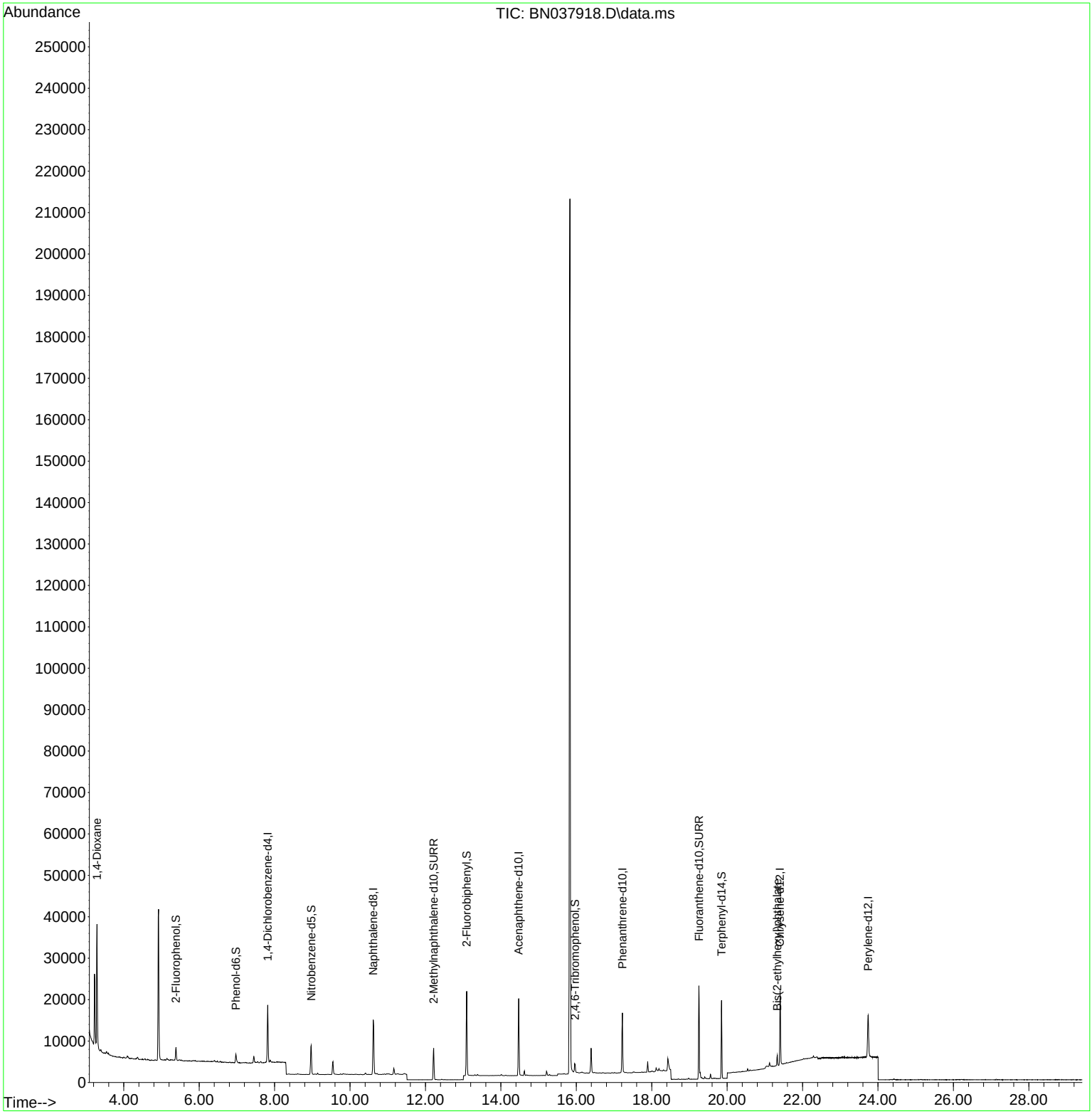
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.818	152	6521	0.400	ng	0.00
7) Naphthalene-d8	10.616	136	18178	0.400	ng	#-0.01
13) Acenaphthene-d10	14.473	164	9526	0.400	ng	0.00
19) Phenanthrene-d10	17.223	188	19646	0.400	ng	0.00
29) Chrysene-d12	21.402	240	16645	0.400	ng	# 0.00
35) Perylene-d12	23.739	264	14529	0.400	ng	0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.384	112	2535	0.170	ng	0.00
5) Phenol-d6	6.973	99	1867	0.095	ng	0.00
8) Nitrobenzene-d5	8.971	82	5894	0.425	ng	0.00
11) 2-Methylnaphthalene-d10	12.217	152	10045	0.398	ng	0.00
14) 2,4,6-Tribromophenol	15.969	330	1380	0.382	ng	0.00
15) 2-Fluorobiphenyl	13.094	172	16376	0.420	ng	0.00
27) Fluoranthene-d10	19.253	212	23544	0.476	ng	0.00
31) Terphenyl-d14	19.852	244	17155	0.517	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.290	88	18798	2.840	ng	99
34) Bis(2-ethylhexyl)phtha...	21.331	149	2727	0.119	ng	# 99

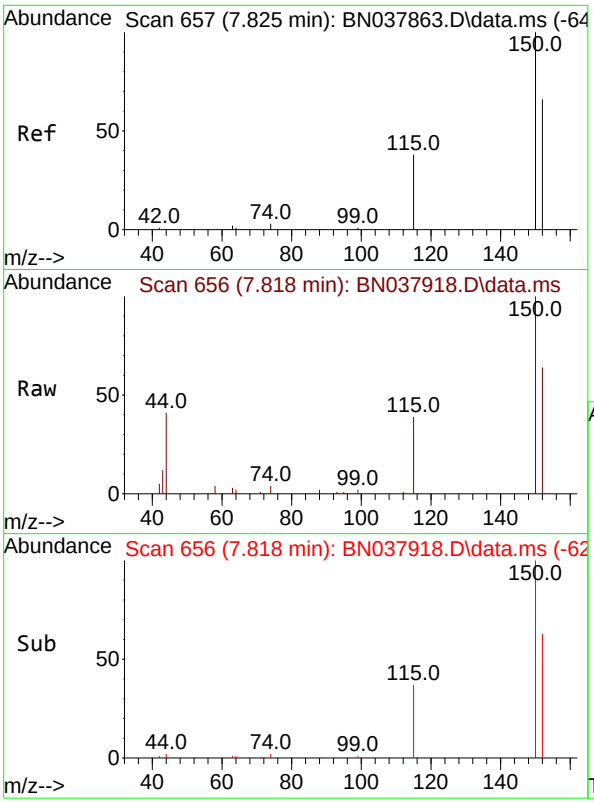
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092525\
Data File : BN037918.D
Acq On : 26 Sep 2025 09:32
Operator : RC/JU
Sample : Q3156-20
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DUP09-20250918

Quant Time: Sep 26 11:04:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration



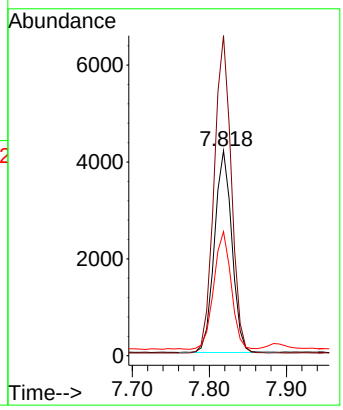


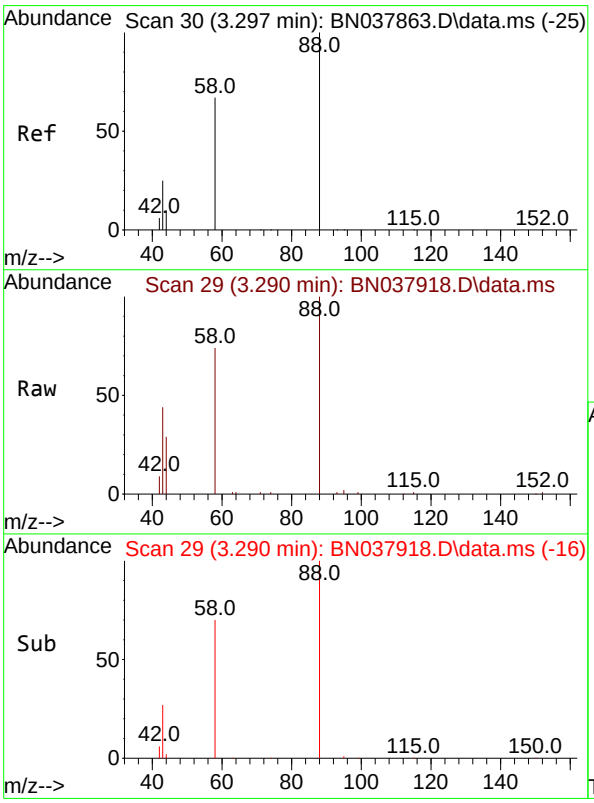
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.818 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN037918.D
Acq: 26 Sep 2025 09:32

Instrument :
BNA_N
ClientSampleId :
DUP09-20250918

Tgt Ion:152 Resp: 6521

Ion	Ratio	Lower	Upper
152	100		
150	156.2	121.0	181.4
115	60.5	47.4	71.0

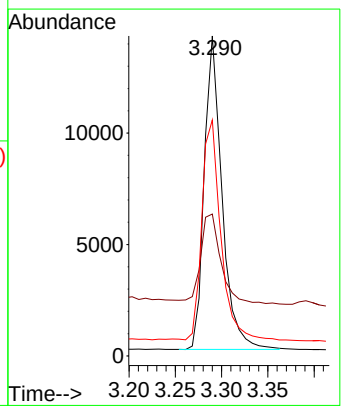


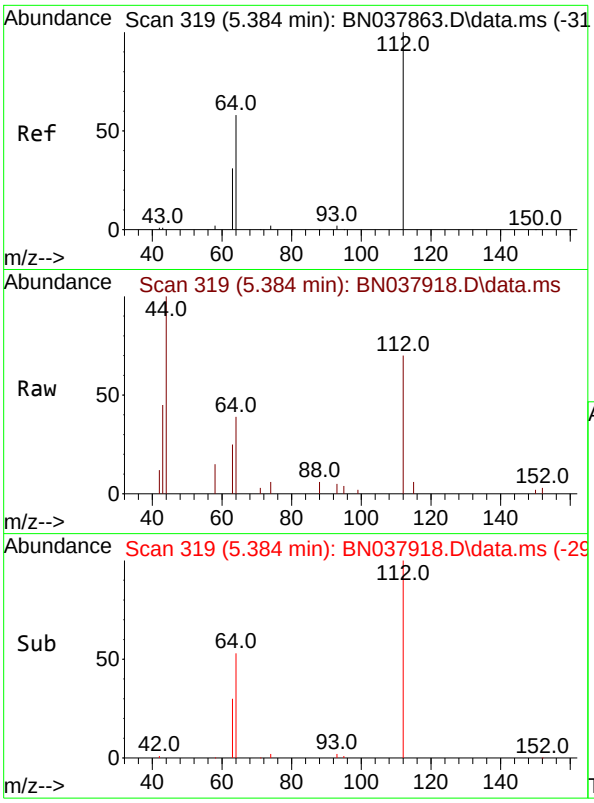


#2
1,4-Dioxane
Concen: 2.840 ng
RT: 3.290 min Scan# 29
Delta R.T. -0.007 min
Lab File: BN037918.D
Acq: 26 Sep 2025 09:32

Tgt Ion: 88 Resp: 18798

Ion	Ratio	Lower	Upper
88	100		
43	33.1	26.6	39.8
58	74.2	58.9	88.3



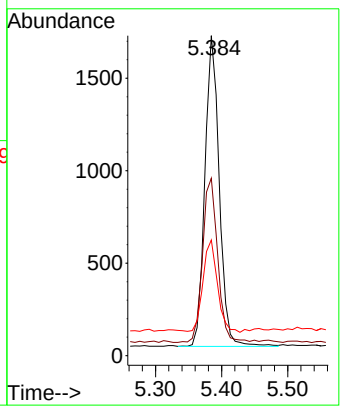


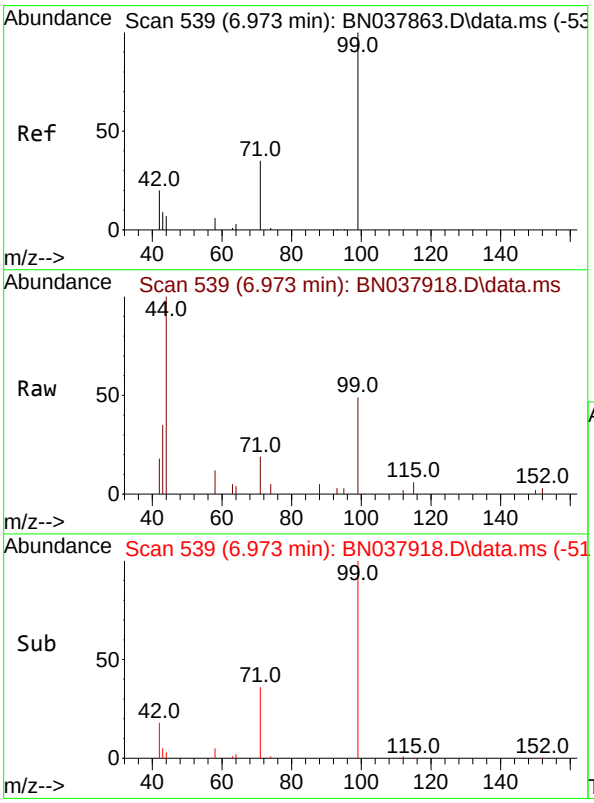
#4
2-Fluorophenol
Concen: 0.170 ng
RT: 5.384 min Scan# 31
Delta R.T. -0.000 min
Lab File: BN037918.D
Acq: 26 Sep 2025 09:32

Instrument :
BNA_N
ClientSampleId :
DUP09-20250918

Tgt Ion:112 Resp: 2535

Ion	Ratio	Lower	Upper
112	100		
64	55.3	44.6	66.8
63	29.9	24.9	37.3

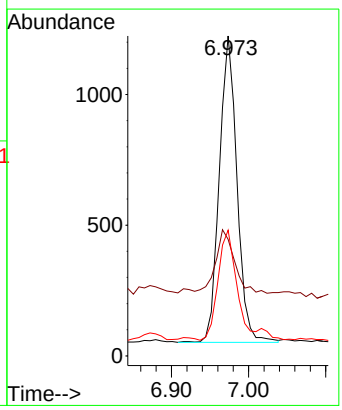


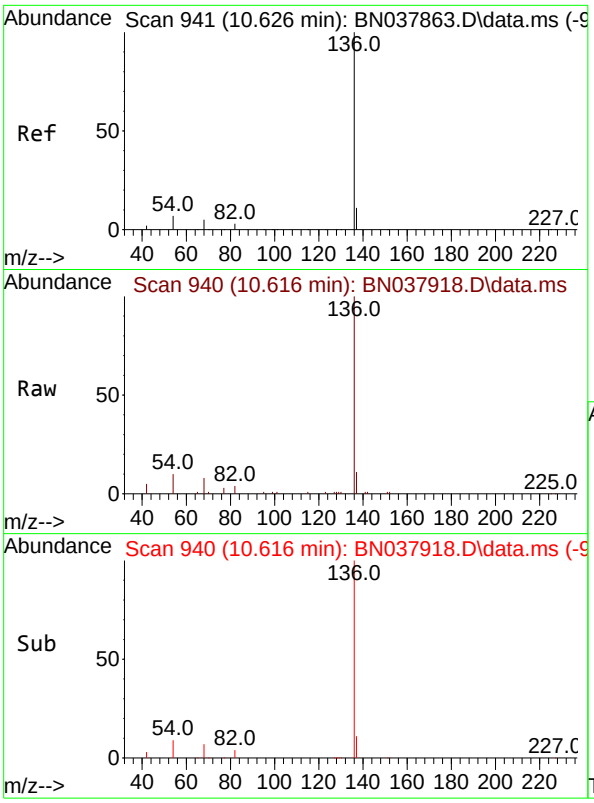


#5
Phenol-d6
Concen: 0.095 ng
RT: 6.973 min Scan# 539
Delta R.T. 0.000 min
Lab File: BN037918.D
Acq: 26 Sep 2025 09:32

Tgt Ion: 99 Resp: 1867

Ion	Ratio	Lower	Upper
99	100		
42	21.5	17.2	25.8
71	40.4	27.3	40.9



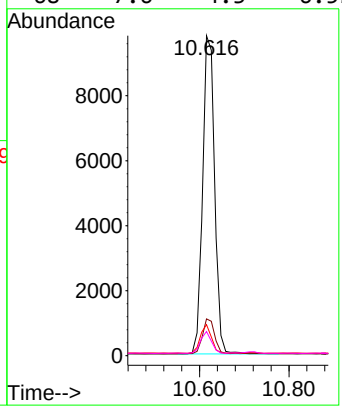


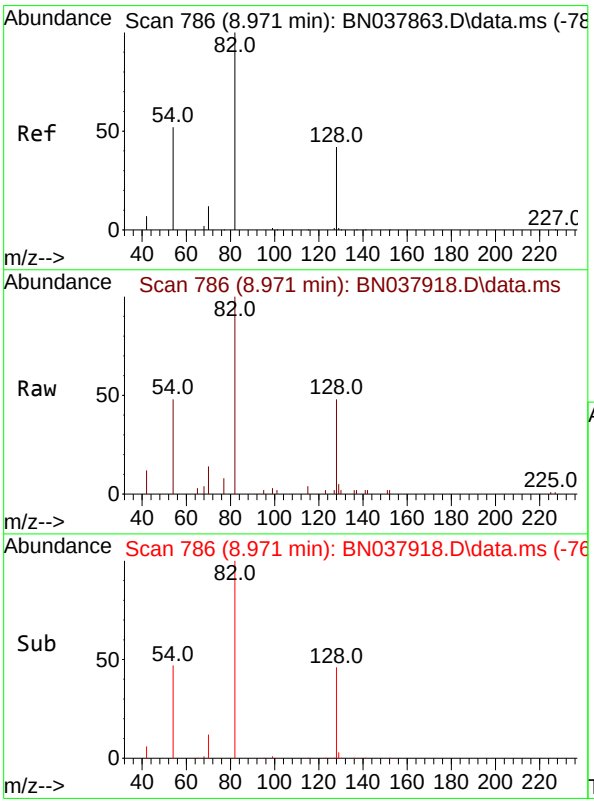
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.616 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037918.D
Acq: 26 Sep 2025 09:32

Instrument :
BNA_N
ClientSampleId :
DUP09-20250918

Tgt Ion:136 Resp: 18178

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.0	13.4
54	9.7	5.8	8.8#
68	7.6	4.3	6.5#

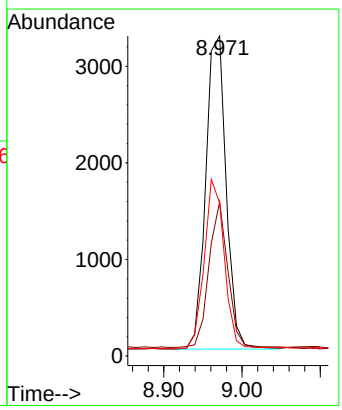


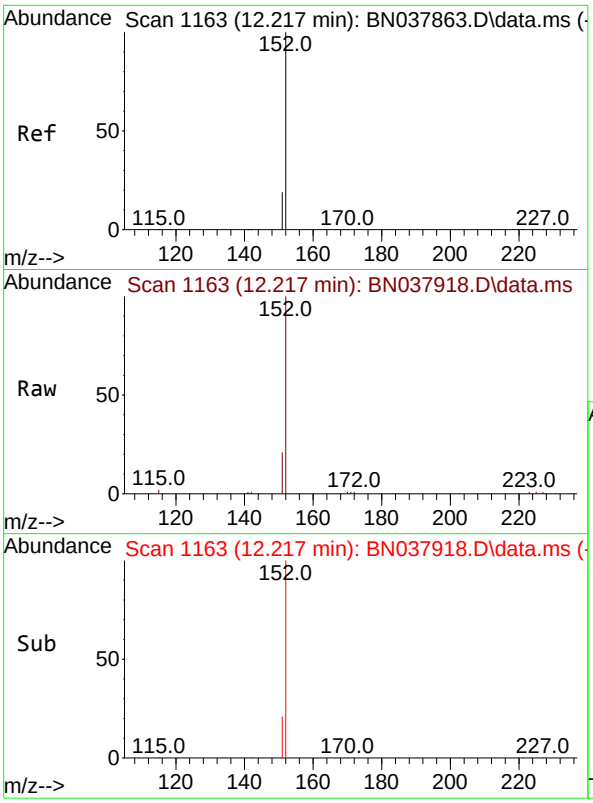


#8
Nitrobenzene-d5
Concen: 0.425 ng
RT: 8.971 min Scan# 786
Delta R.T. -0.000 min
Lab File: BN037918.D
Acq: 26 Sep 2025 09:32

Tgt Ion: 82 Resp: 5894

Ion	Ratio	Lower	Upper
82	100		
128	48.2	34.8	52.2
54	47.8	42.2	63.2



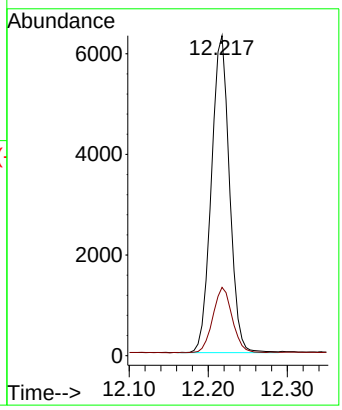


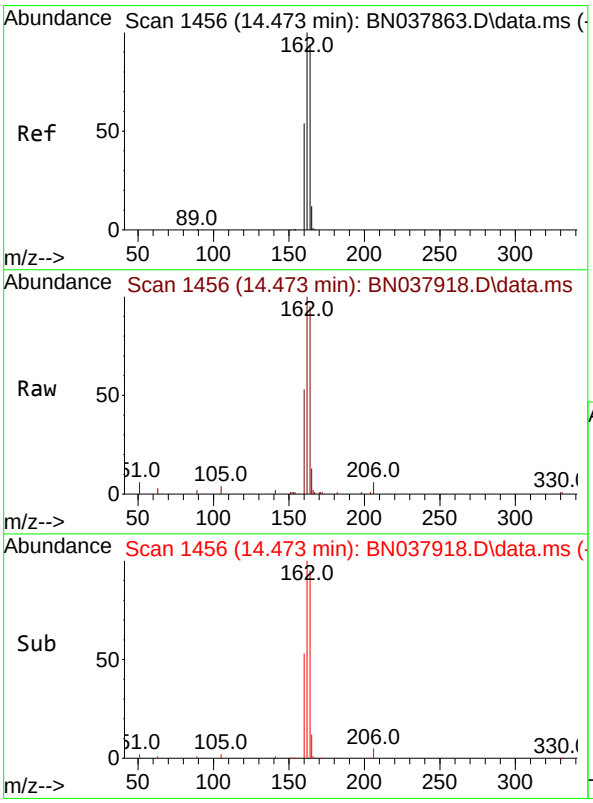
#11
2-Methylnaphthalene-d10
Concen: 0.398 ng
RT: 12.217 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN037918.D
Acq: 26 Sep 2025 09:32

Instrument :
BNA_N
ClientSampleId :
DUP09-20250918

Tgt Ion:152 Resp: 10045

Ion	Ratio	Lower	Upper
152	100		
151	21.9	17.4	26.2

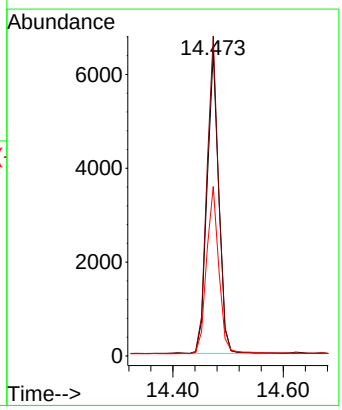


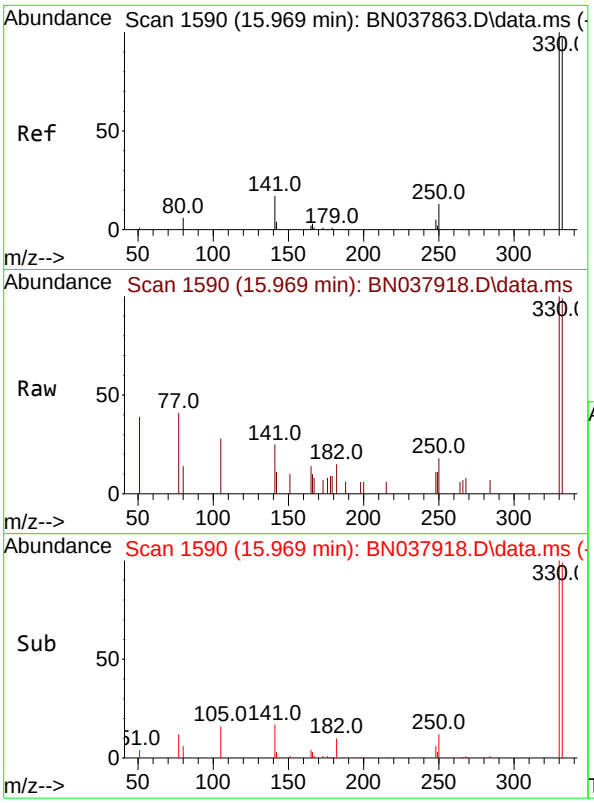


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.473 min Scan# 1456
Delta R.T. -0.000 min
Lab File: BN037918.D
Acq: 26 Sep 2025 09:32

Tgt Ion:164 Resp: 9526

Ion	Ratio	Lower	Upper
164	100		
162	105.3	84.8	127.2
160	55.7	46.1	69.1



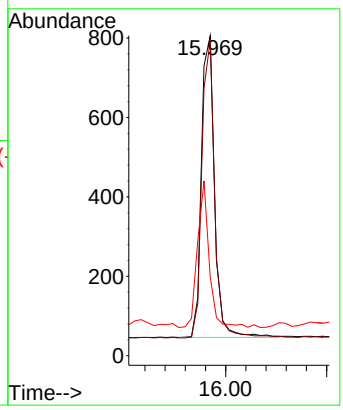


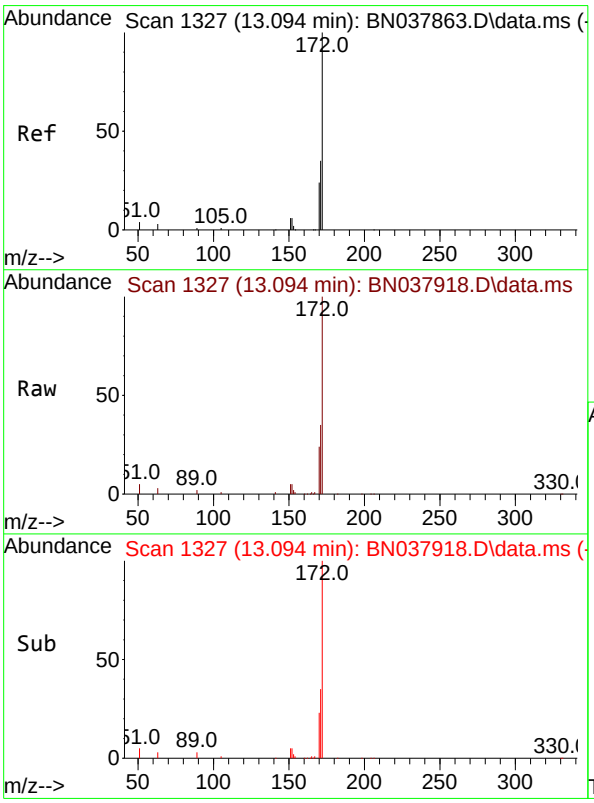
#14
2,4,6-Tribromophenol
Concen: 0.382 ng
RT: 15.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037918.D
Acq: 26 Sep 2025 09:32

Instrument :
BNA_N
ClientSampleId :
DUP09-20250918

Tgt Ion:330 Resp: 1380

Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.2	115.8
141	43.3	37.2	55.8

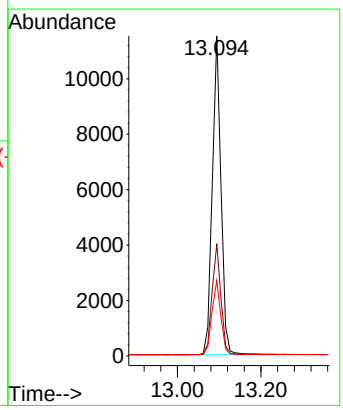


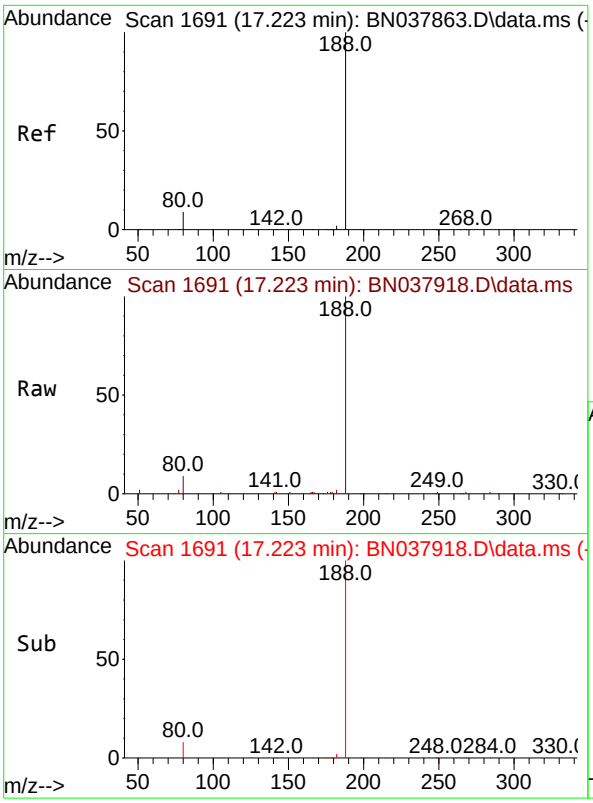


#15
2-Fluorobiphenyl
Concen: 0.420 ng
RT: 13.094 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BN037918.D
Acq: 26 Sep 2025 09:32

Tgt Ion:172 Resp: 16376

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.6	43.0
170	23.6	19.7	29.5



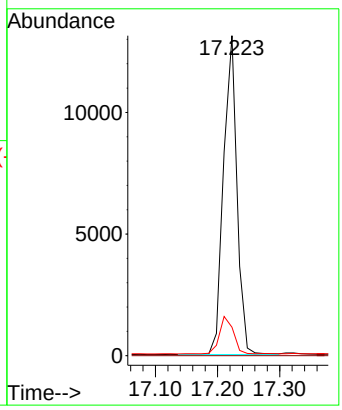


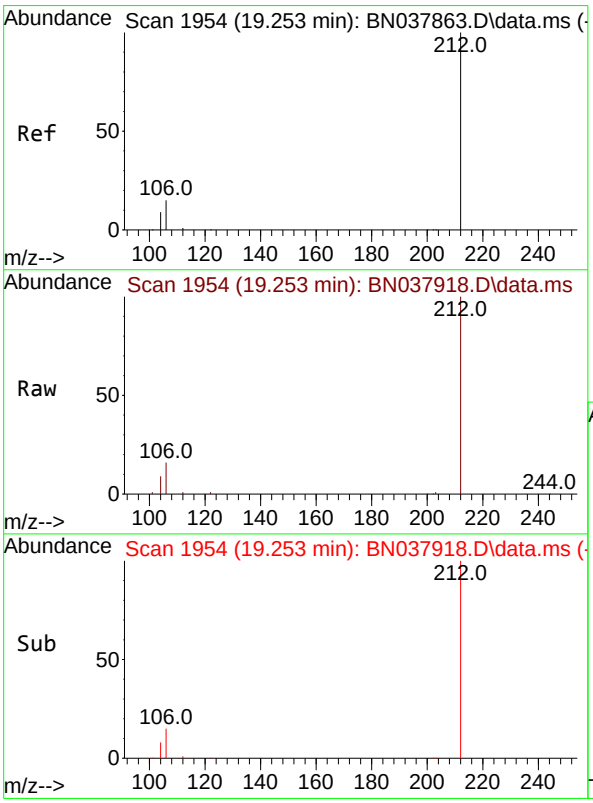
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.223 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037918.D
Acq: 26 Sep 2025 09:32

Instrument :
BNA_N
ClientSampleId :
DUP09-20250918

Tgt Ion:188 Resp: 19646

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.9	7.6	11.4

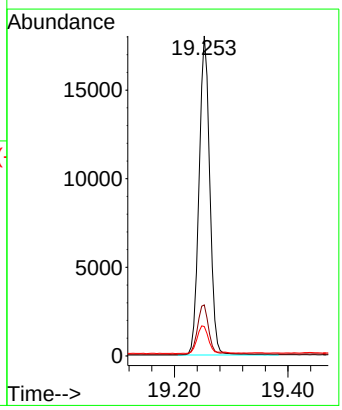


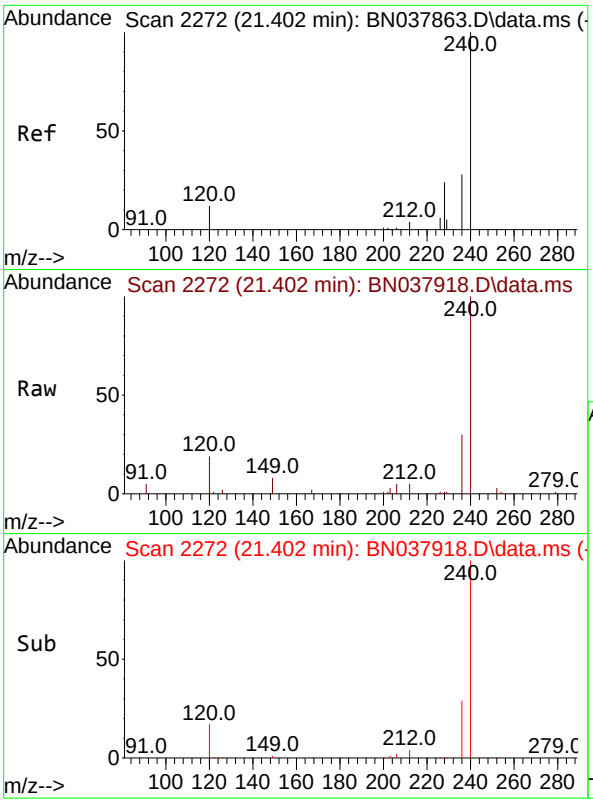


#27
Fluoranthene-d10
Concen: 0.476 ng
RT: 19.253 min Scan# 1954
Delta R.T. -0.000 min
Lab File: BN037918.D
Acq: 26 Sep 2025 09:32

Tgt Ion:212 Resp: 23544

Ion	Ratio	Lower	Upper
212	100		
106	16.3	12.6	19.0
104	9.6	7.4	11.0



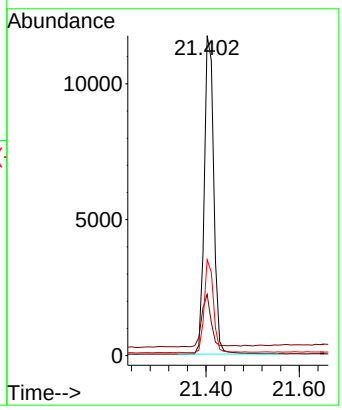


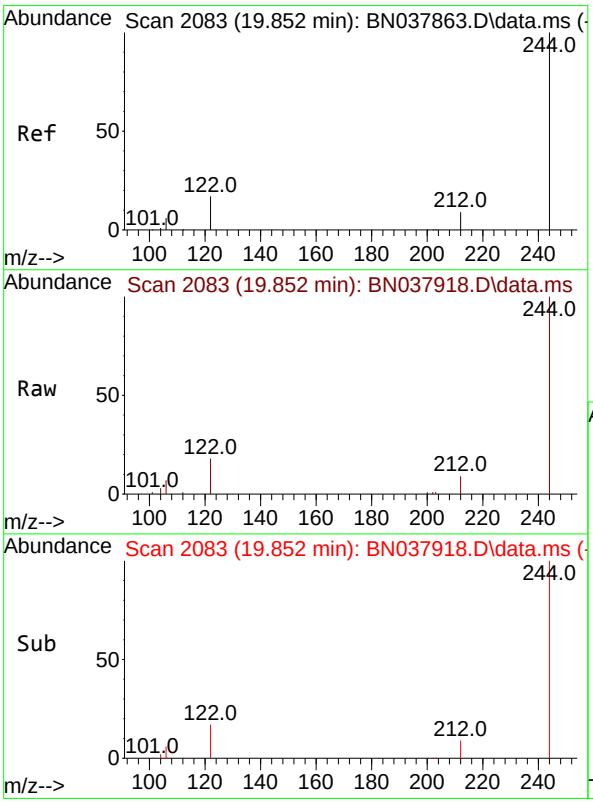
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.402 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037918.D
Acq: 26 Sep 2025 09:32

Instrument :
BNA_N
ClientSampleId :
DUP09-20250918

Tgt Ion:240 Resp: 16645

Ion	Ratio	Lower	Upper
240	100		
120	19.1	11.4	17.2#
236	30.0	23.0	34.6

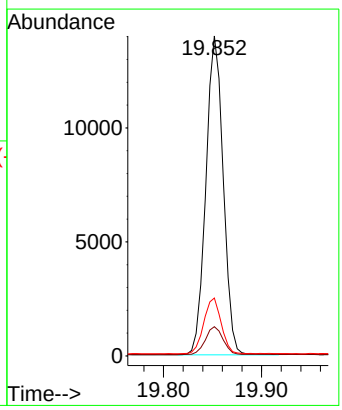


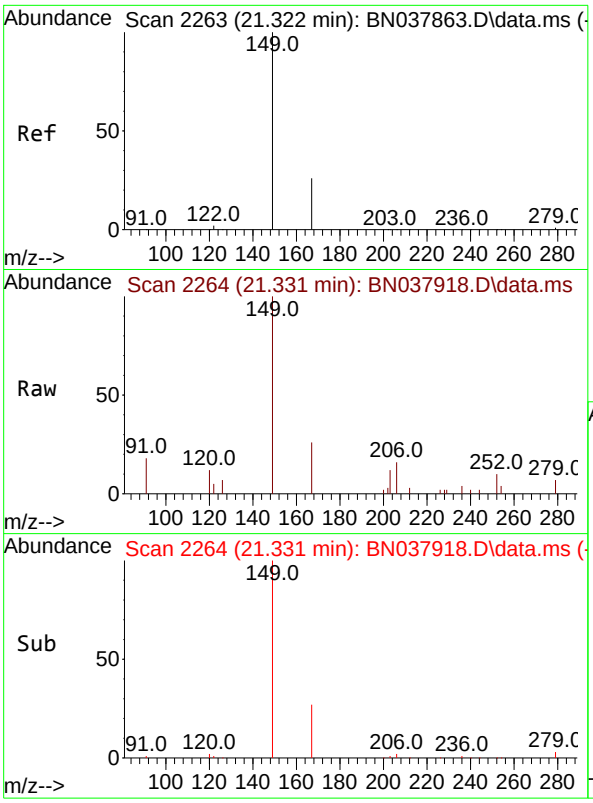


#31
Terphenyl-d14
Concen: 0.517 ng
RT: 19.852 min Scan# 2083
Delta R.T. 0.000 min
Lab File: BN037918.D
Acq: 26 Sep 2025 09:32

Tgt Ion:244 Resp: 17155

Ion	Ratio	Lower	Upper
244	100		
212	9.2	7.6	11.4
122	18.1	13.9	20.9



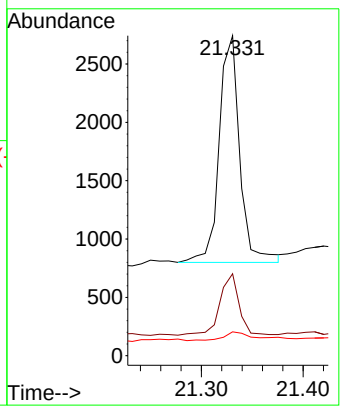


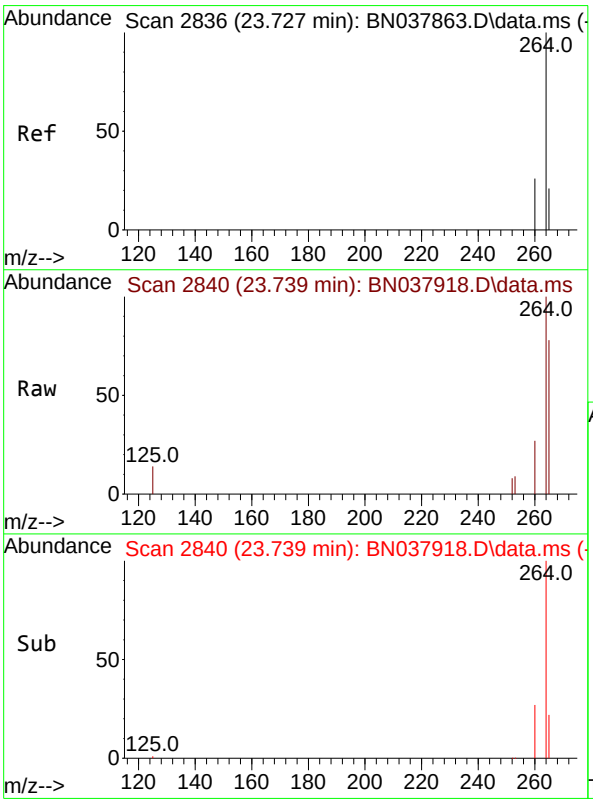
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.119 ng
RT: 21.331 min Scan# 2
Delta R.T. 0.009 min
Lab File: BN037918.D
Acq: 26 Sep 2025 09:32

Instrument :
BNA_N
ClientSampleId :
DUP09-20250918

Tgt Ion:149 Resp: 2727

Ion	Ratio	Lower	Upper
149	100		
167	25.2	20.4	30.6
279	5.2	2.4	3.6#

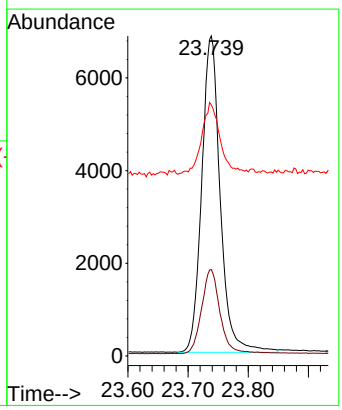




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.739 min Scan# 2840
Delta R.T. 0.012 min
Lab File: BN037918.D
Acq: 26 Sep 2025 09:32

Tgt Ion:264 Resp: 14529

Ion	Ratio	Lower	Upper
264	100		
260	27.0	21.5	32.3
265	78.5	53.8	80.6



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:	09/19/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/19/25
Client Sample ID:	RW9-MW01D3-20250918	SDG No.:	Q3156
Lab Sample ID:	Q3156-21	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
BN037919.D	1	09/23/25 09:15	09/26/25 10:08	PB169794

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	0.43		30 - 150		108%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.52		30 - 150		131%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.46	*	55 - 111		114%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.46	*	53 - 106		115%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.58	*	58 - 132		144%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6950	7.818				
1146-65-2	Naphthalene-d8	19200	10.626				
15067-26-2	Acenaphthene-d10	9830	14.473				
1517-22-2	Phenanthrene-d10	20200	17.223				
1719-03-5	Chrysene-d12	16900	21.402				
1520-96-3	Perylene-d12	14600	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\BN092525\
Data File : BN037919.D
Acq On : 26 Sep 2025 10:08
Operator : RC/JU
Sample : Q3156-21
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RW9-MW01D3-20250918

Quant Time: Sep 26 11:04:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration

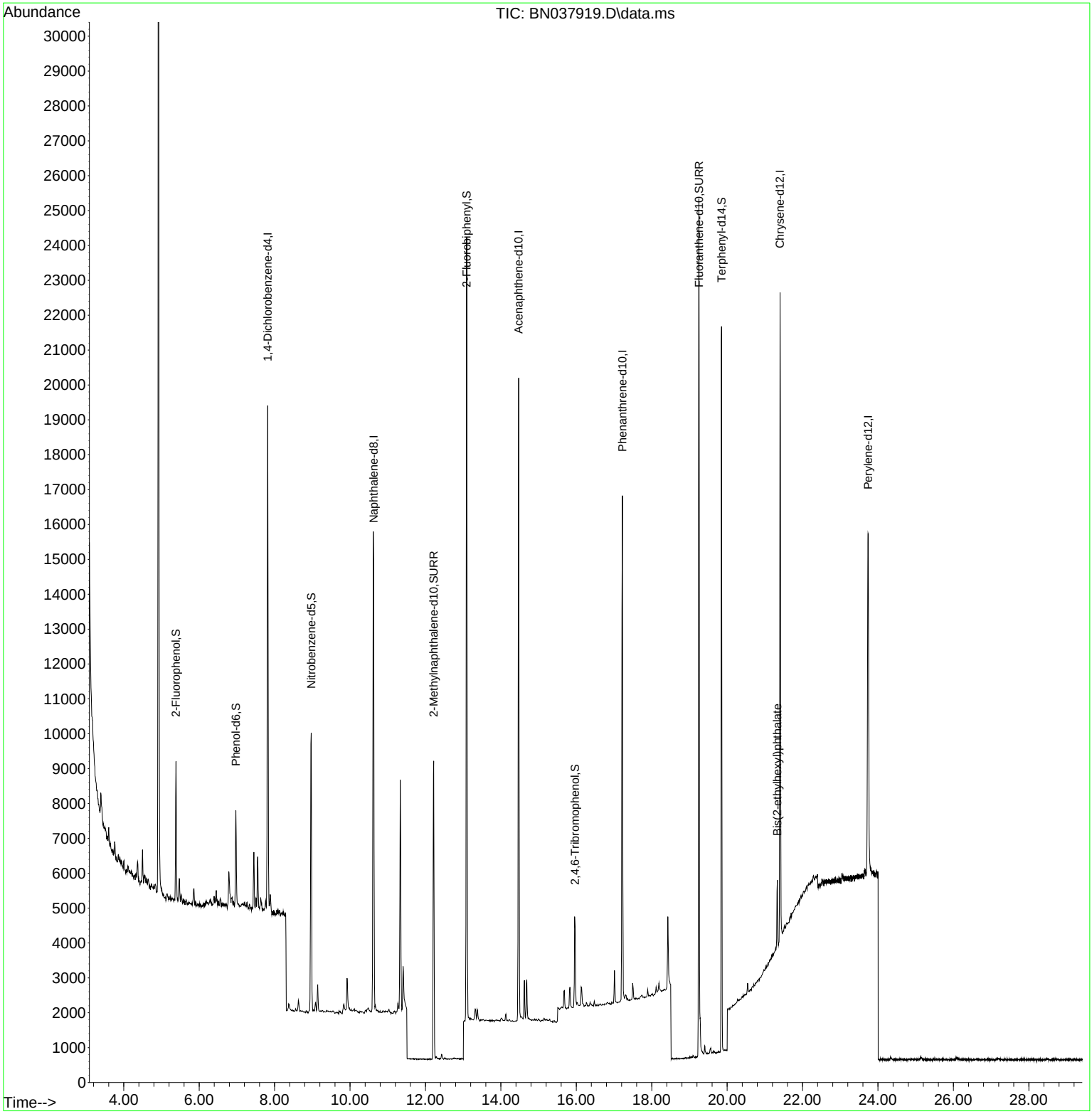
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.818	152	6947	0.400	ng	0.00
7) Naphthalene-d8	10.626	136	19224	0.400	ng	# 0.00
13) Acenaphthene-d10	14.473	164	9834	0.400	ng	0.00
19) Phenanthrene-d10	17.223	188	20208	0.400	ng	0.00
29) Chrysene-d12	21.402	240	16944	0.400	ng	# 0.00
35) Perylene-d12	23.739	264	14579	0.400	ng	0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.384	112	2988	0.188	ng	0.00
5) Phenol-d6	6.973	99	2387	0.115	ng	0.00
8) Nitrobenzene-d5	8.971	82	6707	0.457	ng	0.00
11) 2-Methylnaphthalene-d10	12.217	152	11511	0.431	ng	0.00
14) 2,4,6-Tribromophenol	15.969	330	1626	0.436	ng	0.00
15) 2-Fluorobiphenyl	13.094	172	18578	0.461	ng	0.00
27) Fluoranthene-d10	19.253	212	26657	0.524	ng	0.00
31) Terphenyl-d14	19.852	244	19468	0.577	ng	0.00
Target Compounds						Qvalue
34) Bis(2-ethylhexyl)phtha...	21.331	149	1983	0.085	ng	# 95

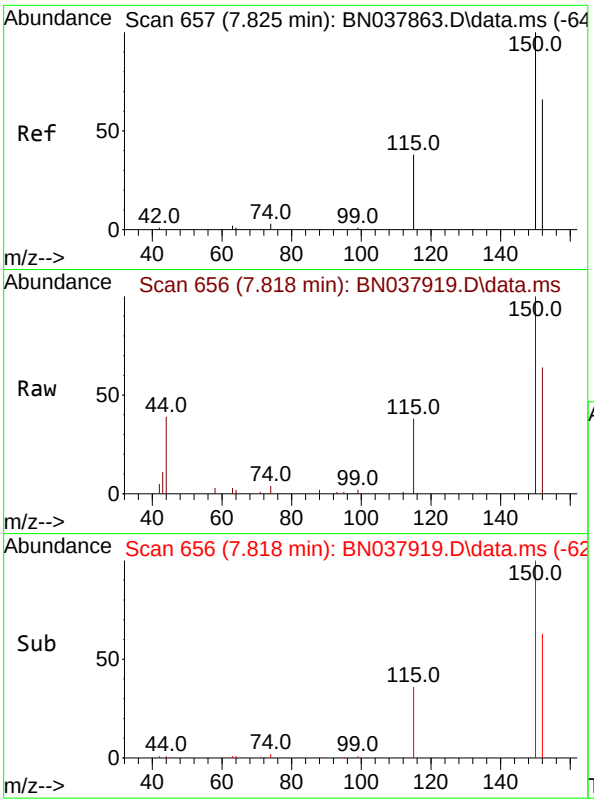
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092525\
Data File : BN037919.D
Acq On : 26 Sep 2025 10:08
Operator : RC/JU
Sample : Q3156-21
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RW9-MW01D3-20250918

Quant Time: Sep 26 11:04:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration



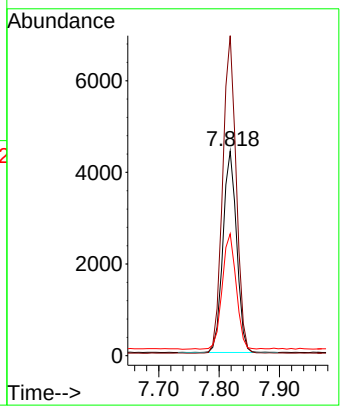


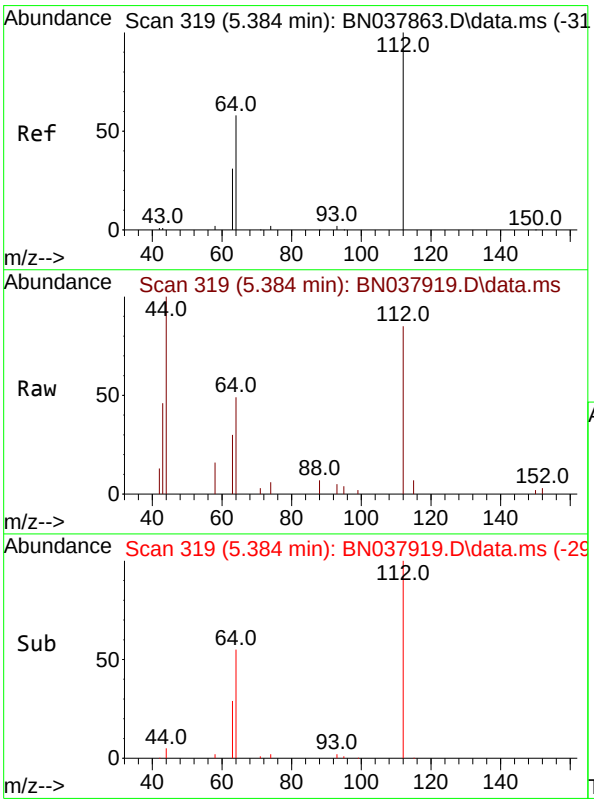
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.818 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN037919.D
Acq: 26 Sep 2025 10:08

Instrument :
BNA_N
ClientSampleId :
RW9-MW01D3-20250918

Tgt Ion:152 Resp: 6947

Ion	Ratio	Lower	Upper
152	100		
150	156.4	121.0	181.4
115	59.6	47.4	71.0

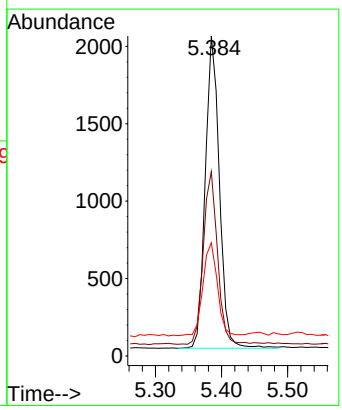


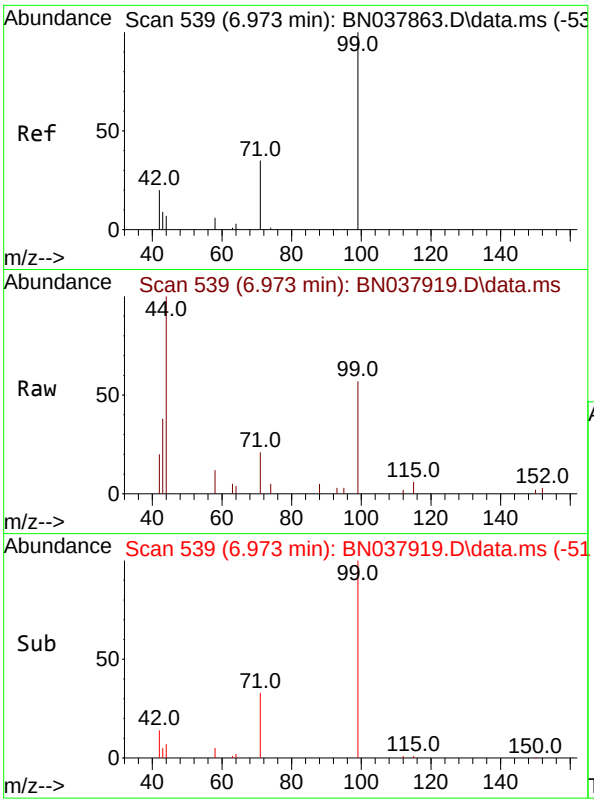


#4
2-Fluorophenol
Concen: 0.188 ng
RT: 5.384 min Scan# 319
Delta R.T. 0.000 min
Lab File: BN037919.D
Acq: 26 Sep 2025 10:08

Tgt Ion:112 Resp: 2988

Ion	Ratio	Lower	Upper
112	100		
64	55.6	44.6	66.8
63	31.0	24.9	37.3



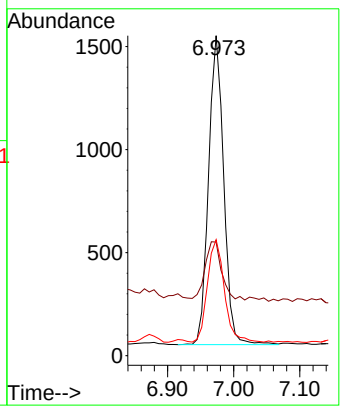


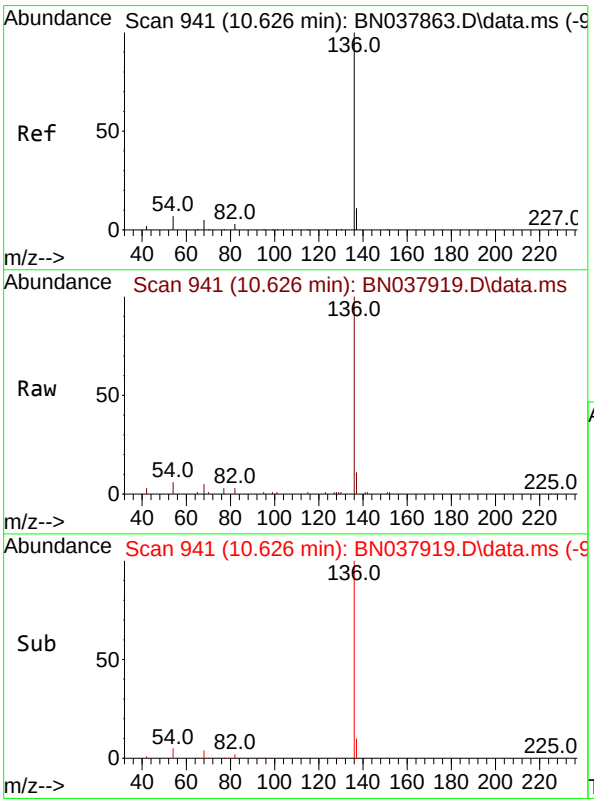
#5
Phenol-d6
Concen: 0.115 ng
RT: 6.973 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN037919.D
Acq: 26 Sep 2025 10:08

Instrument :
BNA_N
ClientSampleId :
RW9-MW01D3-20250918

Tgt Ion: 99 Resp: 2387

Ion	Ratio	Lower	Upper
99	100		
42	20.5	17.2	25.8
71	36.8	27.3	40.9

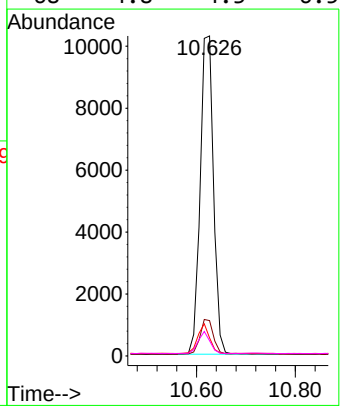


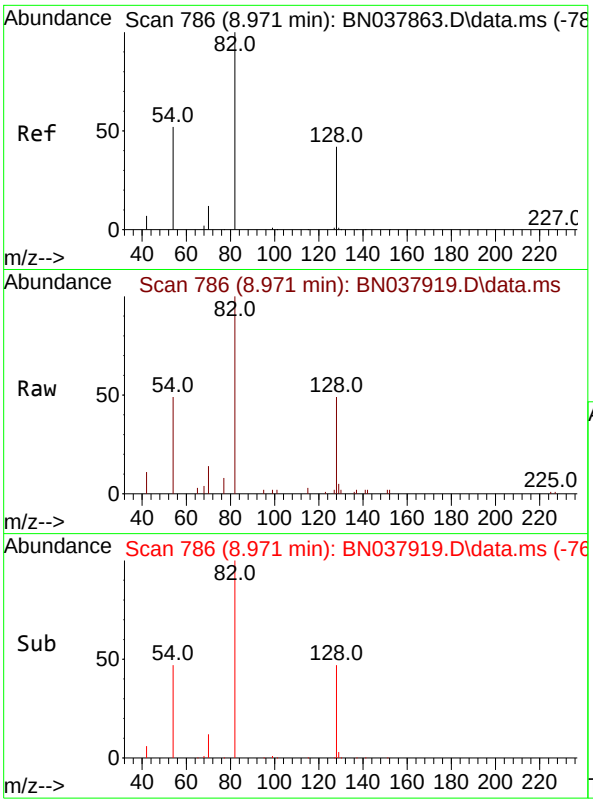


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.626 min Scan# 941
Delta R.T. 0.000 min
Lab File: BN037919.D
Acq: 26 Sep 2025 10:08

Tgt Ion:136 Resp: 19224

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	5.7	5.8	8.8#
68	4.8	4.3	6.5



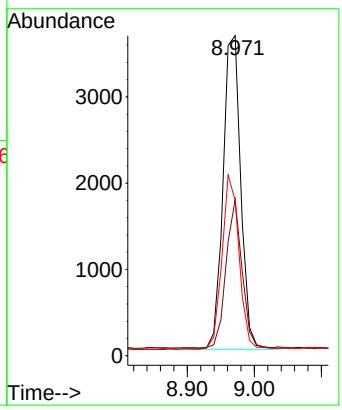


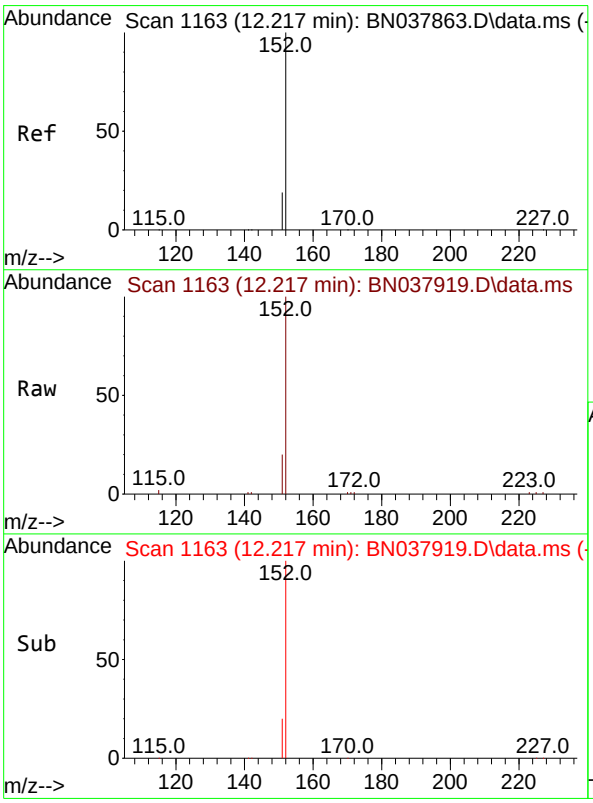
#8
Nitrobenzene-d5
Concen: 0.457 ng
RT: 8.971 min Scan# 7
Delta R.T. 0.000 min
Lab File: BN037919.D
Acq: 26 Sep 2025 10:08

Instrument :
BNA_N
ClientSampleId :
RW9-MW01D3-20250918

Tgt Ion: 82 Resp: 6707

Ion	Ratio	Lower	Upper
82	100		
128	48.7	34.8	52.2
54	48.5	42.2	63.2

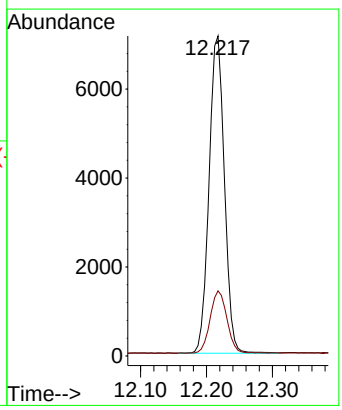


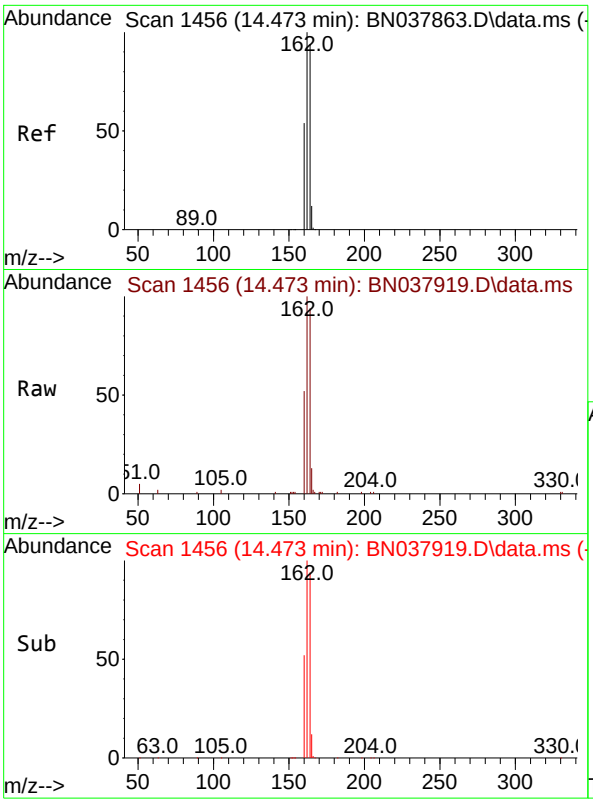


#11
2-Methylnaphthalene-d10
Concen: 0.431 ng
RT: 12.217 min Scan# 1163
Delta R.T. 0.000 min
Lab File: BN037919.D
Acq: 26 Sep 2025 10:08

Tgt Ion:152 Resp: 11511

Ion	Ratio	Lower	Upper
152	100		
151	21.6	17.4	26.2



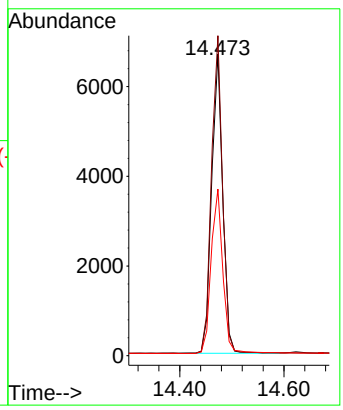


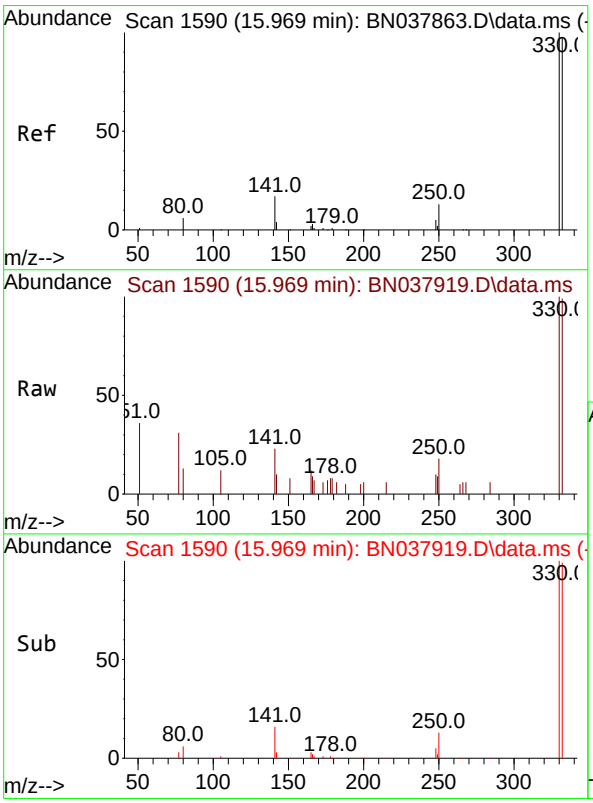
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.473 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037919.D
Acq: 26 Sep 2025 10:08

Instrument :
BNA_N
ClientSampleId :
RW9-MW01D3-20250918

Tgt Ion:164 Resp: 9834

Ion	Ratio	Lower	Upper
164	100		
162	106.0	84.8	127.2
160	55.2	46.1	69.1

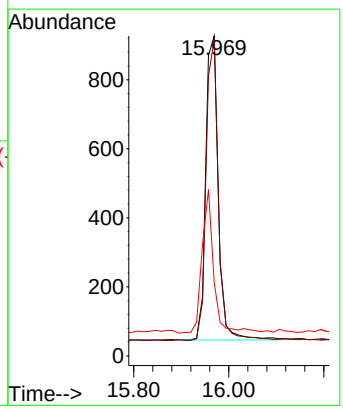


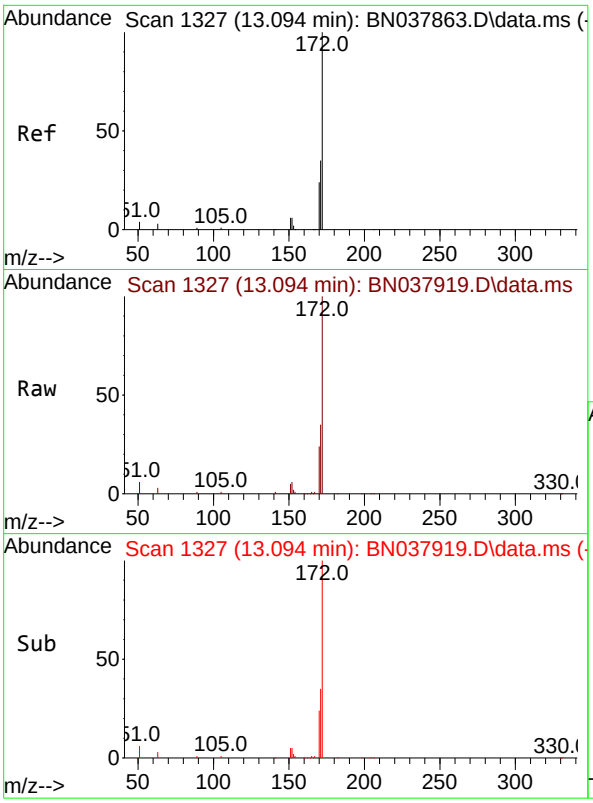


#14
2,4,6-Tribromophenol
Concen: 0.436 ng
RT: 15.969 min Scan# 1590
Delta R.T. 0.000 min
Lab File: BN037919.D
Acq: 26 Sep 2025 10:08

Tgt Ion:330 Resp: 1626

Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.2	115.8
141	42.2	37.2	55.8



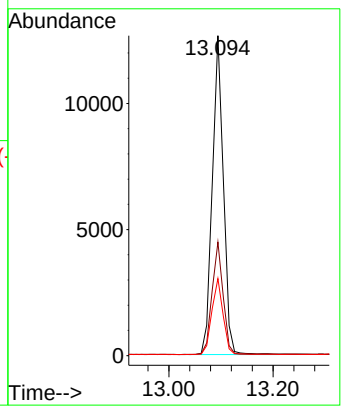


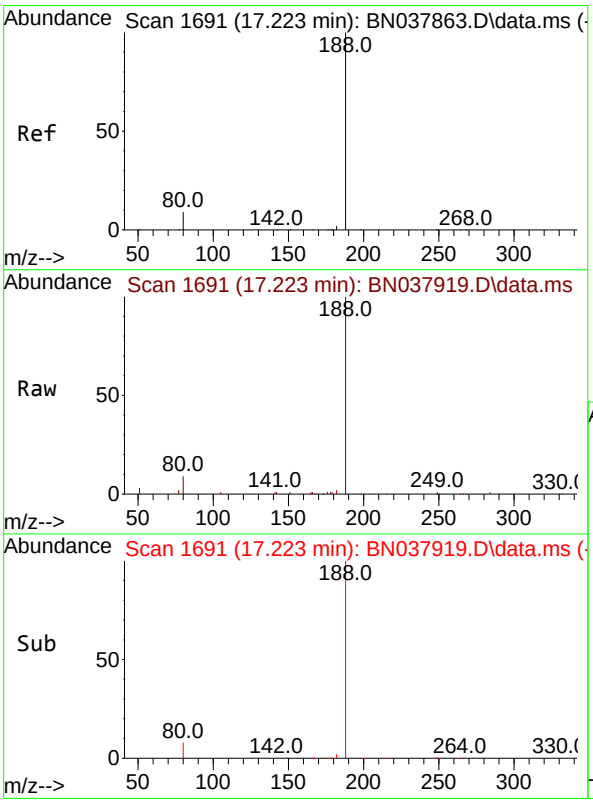
#15
2-Fluorobiphenyl
Concen: 0.461 ng
RT: 13.094 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037919.D
Acq: 26 Sep 2025 10:08

Instrument :
BNA_N
ClientSampleId :
RW9-MW01D3-20250918

Tgt Ion:172 Resp: 18578

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.6	43.0
170	24.1	19.7	29.5

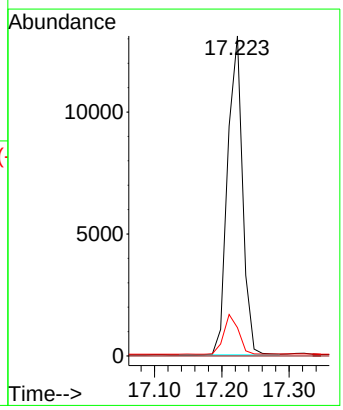


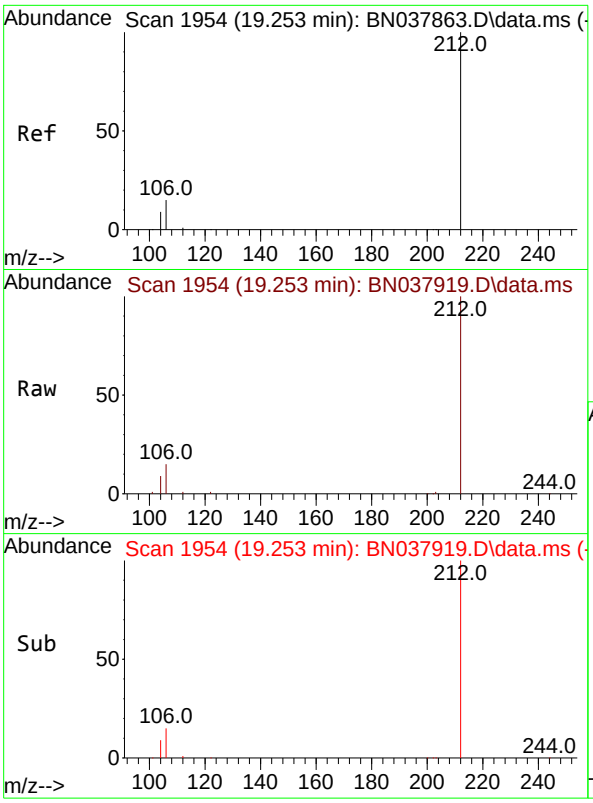


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.223 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BN037919.D
Acq: 26 Sep 2025 10:08

Tgt Ion:188 Resp: 20208

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.9	7.6	11.4



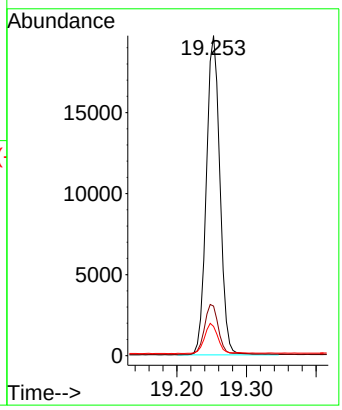


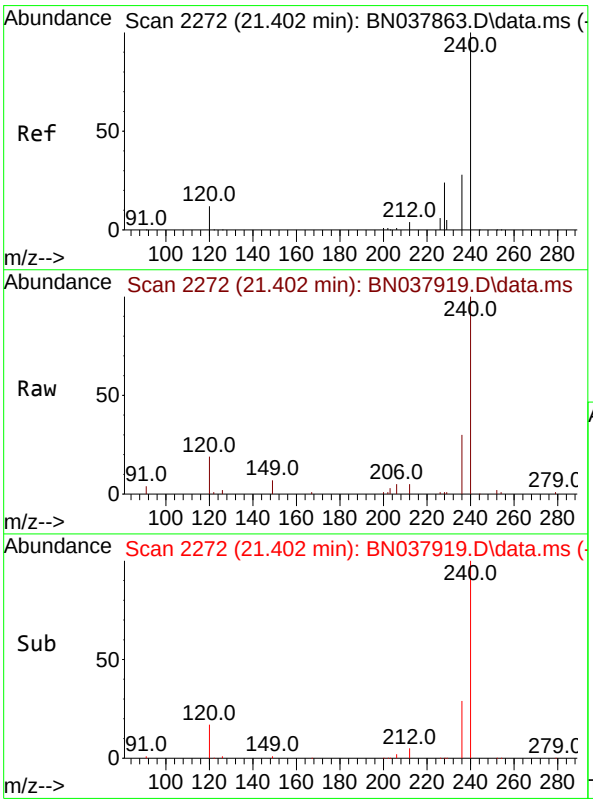
#27
Fluoranthene-d10
Concen: 0.524 ng
RT: 19.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037919.D
Acq: 26 Sep 2025 10:08

Instrument :
BNA_N
ClientSampleId :
RW9-MW01D3-20250918

Tgt Ion:212 Resp: 26657

Ion	Ratio	Lower	Upper
212	100		
106	16.0	12.6	19.0
104	9.1	7.4	11.0

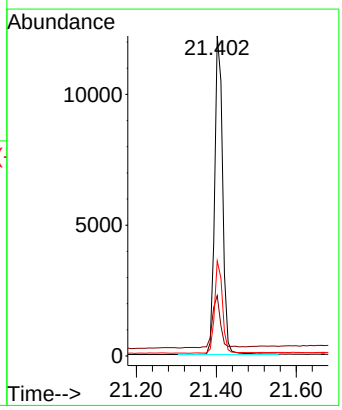


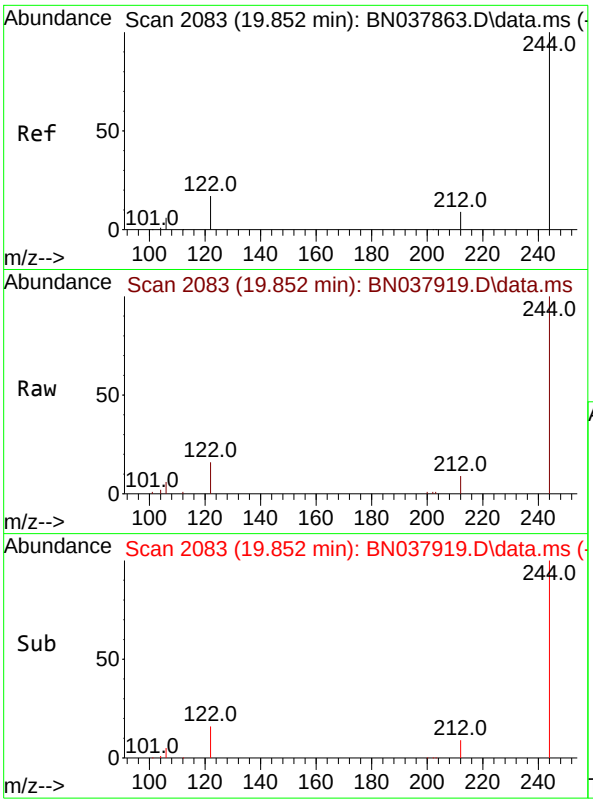


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.402 min Scan# 2272
Delta R.T. 0.000 min
Lab File: BN037919.D
Acq: 26 Sep 2025 10:08

Tgt Ion:240 Resp: 16944

Ion	Ratio	Lower	Upper
240	100		
120	18.9	11.4	17.2#
236	29.7	23.0	34.6



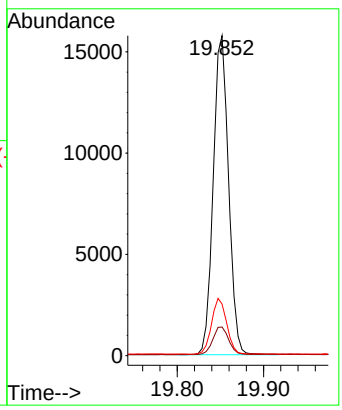


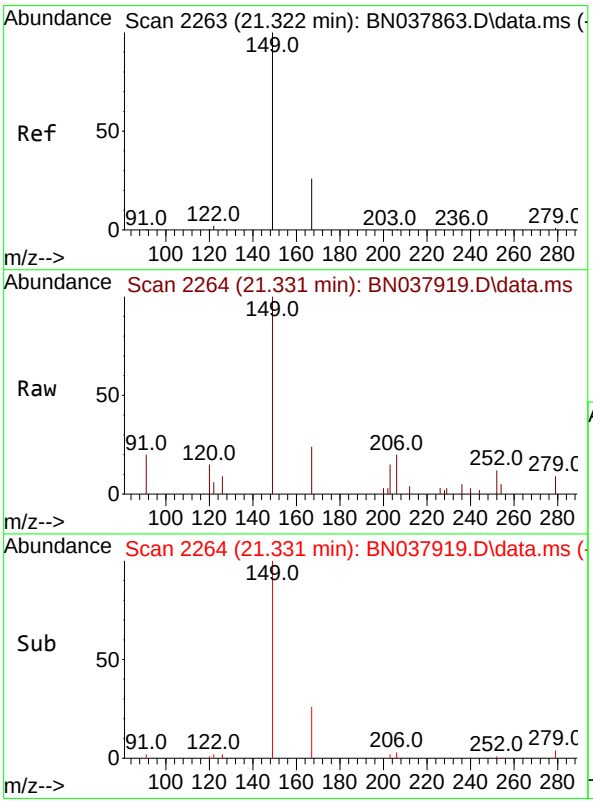
#31
Terphenyl-d14
Concen: 0.577 ng
RT: 19.852 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037919.D
Acq: 26 Sep 2025 10:08

Instrument :
BNA_N
ClientSampleId :
RW9-MW01D3-20250918

Tgt Ion:244 Resp: 19468

Ion	Ratio	Lower	Upper
244	100		
212	9.0	7.6	11.4
122	16.2	13.9	20.9

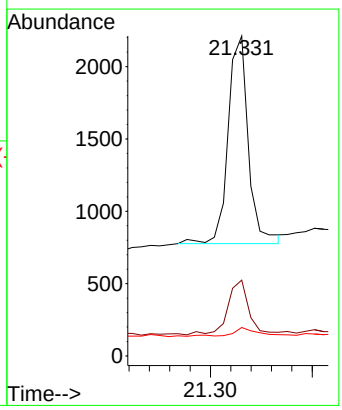


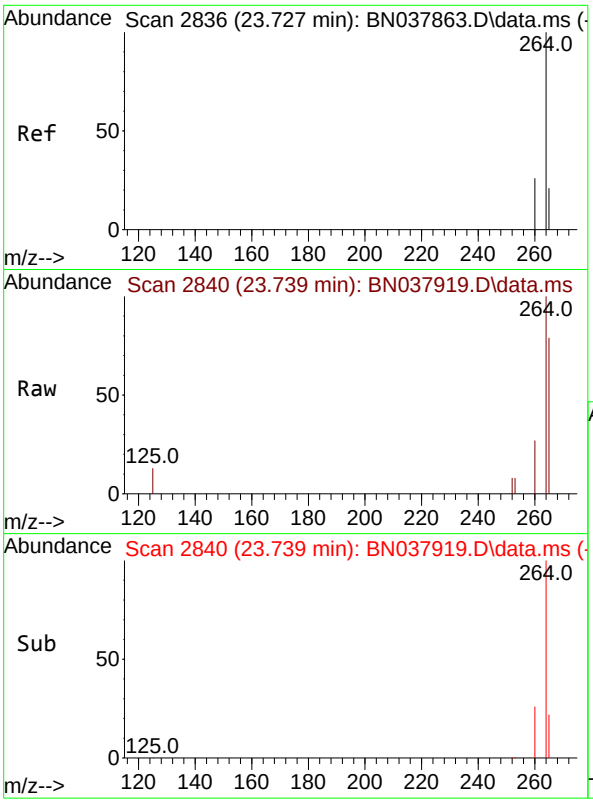


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.085 ng
RT: 21.331 min Scan# 2264
Delta R.T. 0.009 min
Lab File: BN037919.D
Acq: 26 Sep 2025 10:08

Tgt Ion:149 Resp: 1983

Ion	Ratio	Lower	Upper
149	100		
167	27.6	20.4	30.6
279	5.6	2.4	3.6#



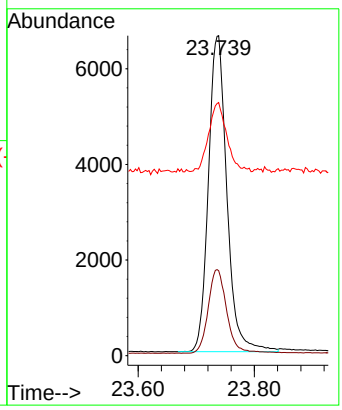


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.739 min Scan# 2
Delta R.T. 0.012 min
Lab File: BN037919.D
Acq: 26 Sep 2025 10:08

Instrument :
BNA_N
ClientSampleId :
RW9-MW01D3-20250918

Tgt Ion:264 Resp: 14579

Ion	Ratio	Lower	Upper
264	100		
260	26.5	21.5	32.3
265	79.1	53.8	80.6



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:	09/19/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/19/25
Client Sample ID:	RW9-MW01D2-20250919	SDG No.:	Q3156
Lab Sample ID:	Q3156-23	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
BN037920.D	1	09/23/25 09:15	09/26/25 10:45	PB169794

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		83%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.40		30 - 150		101%	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	0.47		58 - 132		117%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7740	7.818				
1146-65-2	Naphthalene-d8	22000	10.616				
15067-26-2	Acenaphthene-d10	11300	14.473				
1517-22-2	Phenanthrene-d10	22700	17.223				
1719-03-5	Chrysene-d12	17700	21.402				
1520-96-3	Perylene-d12	13800	23.733				

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\BN092525\
Data File : BN037920.D
Acq On : 26 Sep 2025 10:45
Operator : RC/JU
Sample : Q3156-23
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RW9-MW01D2-20250919

Quant Time: Sep 26 11:22:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration

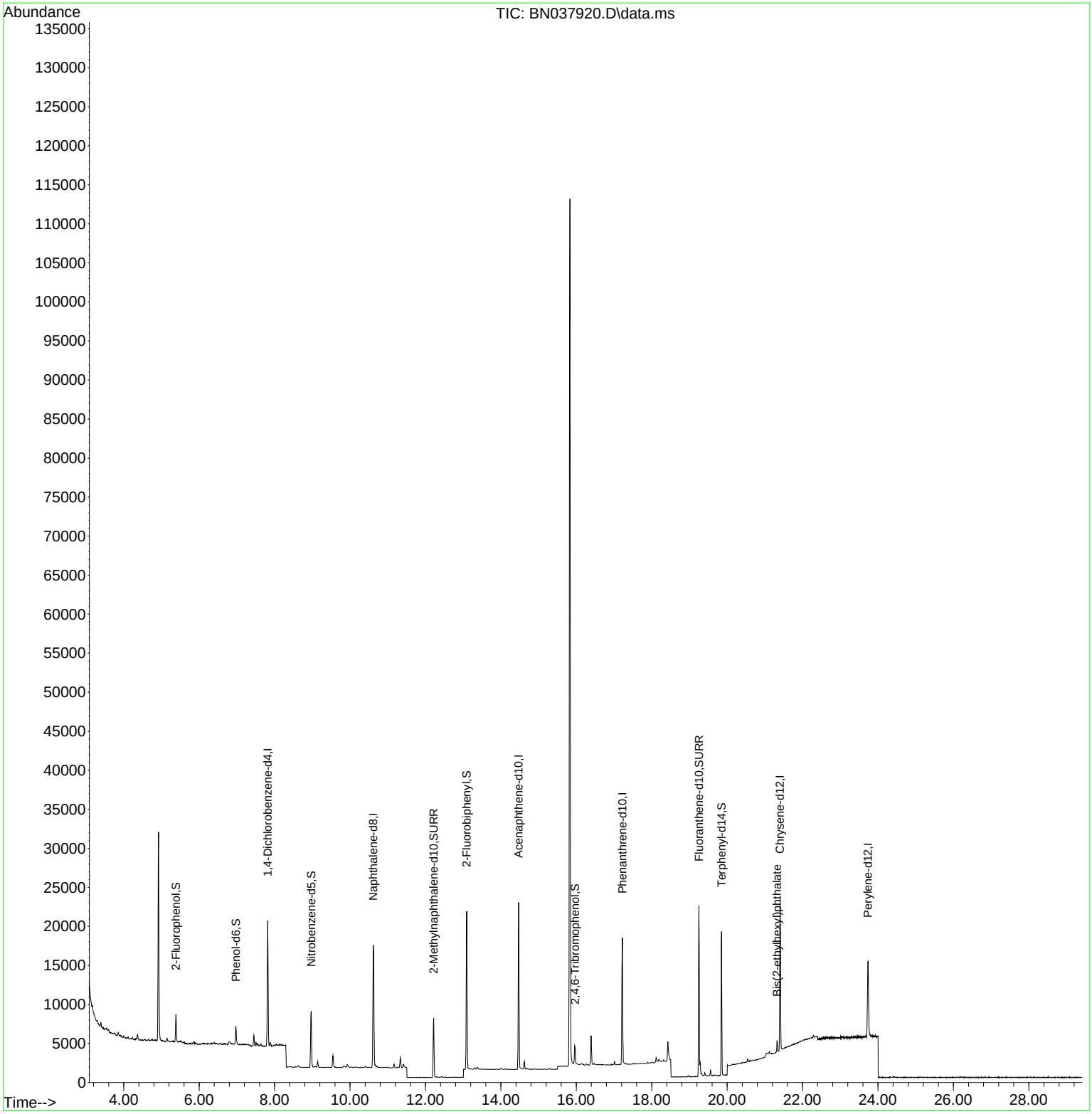
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.818	152	7742	0.400	ng	0.00
7) Naphthalene-d8	10.616	136	21958	0.400	ng	#-0.01
13) Acenaphthene-d10	14.473	164	11286	0.400	ng	0.00
19) Phenanthrene-d10	17.223	188	22710	0.400	ng	0.00
29) Chrysene-d12	21.402	240	17686	0.400	ng	# 0.00
35) Perylene-d12	23.733	264	13838	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.384	112	2733	0.155	ng	0.00
5) Phenol-d6	6.973	99	2104	0.091	ng	0.00
8) Nitrobenzene-d5	8.971	82	6023	0.360	ng	0.00
11) 2-Methylnaphthalene-d10	12.217	152	10168	0.333	ng	0.00
14) 2,4,6-Tribromophenol	15.969	330	1479	0.346	ng	0.00
15) 2-Fluorobiphenyl	13.094	172	16937	0.367	ng	0.00
27) Fluoranthene-d10	19.253	212	23063	0.404	ng	0.00
31) Terphenyl-d14	19.852	244	16563	0.470	ng	0.00
Target Compounds						Qvalue
34) Bis(2-ethylhexyl)phtha...	21.322	149	1654	0.068	ng	98

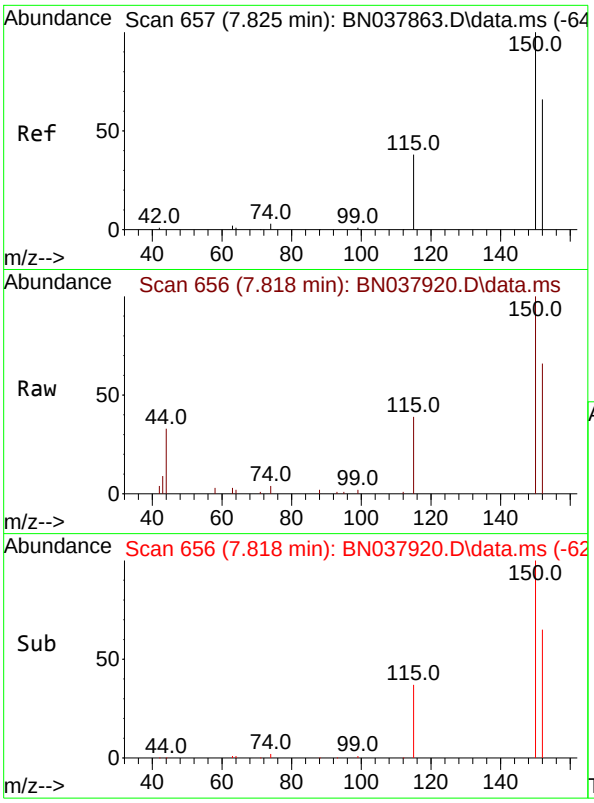
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092525\
Data File : BN037920.D
Acq On : 26 Sep 2025 10:45
Operator : RC/JU
Sample : Q3156-23
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RW9-MW01D2-20250919

Quant Time: Sep 26 11:22:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration



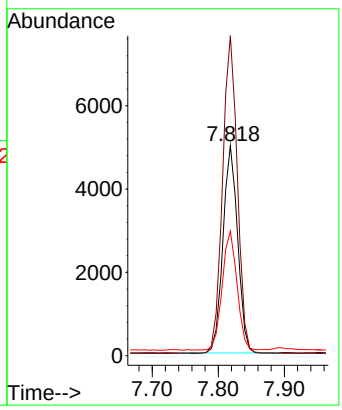


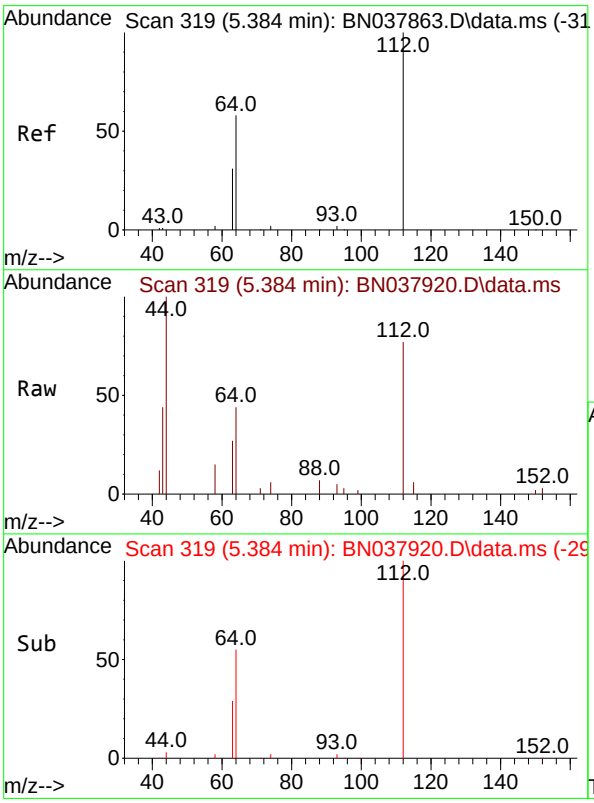
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.818 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN037920.D
Acq: 26 Sep 2025 10:45

Instrument :
BNA_N
ClientSampleId :
RW9-MW01D2-20250919

Tgt Ion:152 Resp: 7742

Ion	Ratio	Lower	Upper
152	100		
150	152.5	121.0	181.4
115	59.3	47.4	71.0

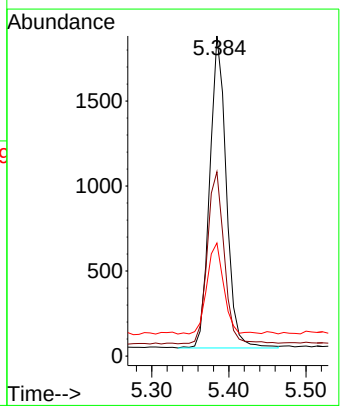


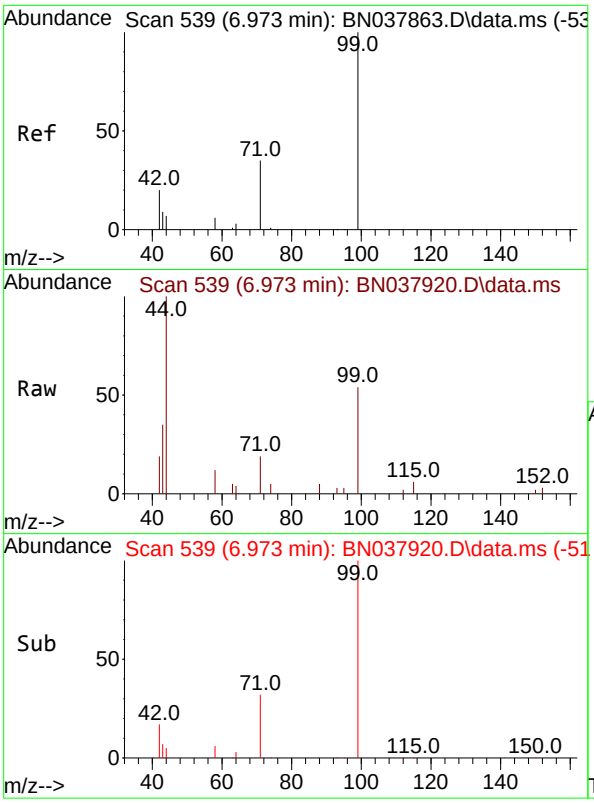


#4
2-Fluorophenol
Concen: 0.155 ng
RT: 5.384 min Scan# 319
Delta R.T. 0.000 min
Lab File: BN037920.D
Acq: 26 Sep 2025 10:45

Tgt Ion:112 Resp: 2733

Ion	Ratio	Lower	Upper
112	100		
64	56.2	44.6	66.8
63	29.6	24.9	37.3



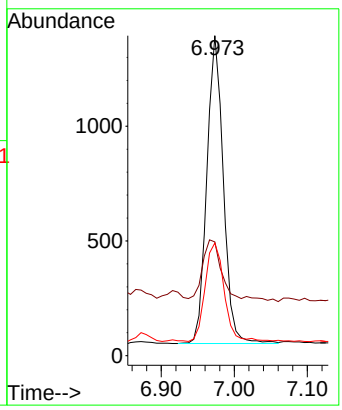


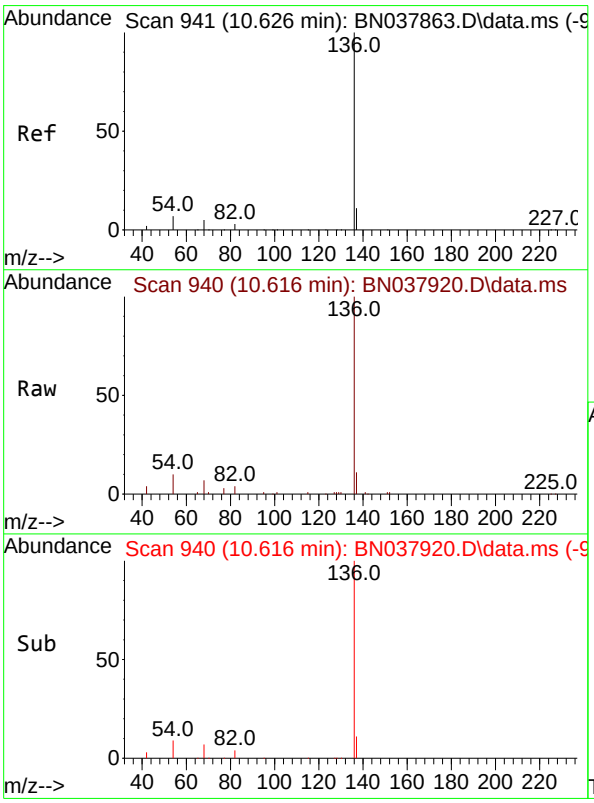
#5
Phenol-d6
Concen: 0.091 ng
RT: 6.973 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN037920.D
Acq: 26 Sep 2025 10:45

Instrument :
BNA_N
ClientSampleId :
RW9-MW01D2-20250919

Tgt Ion: 99 Resp: 2104

Ion	Ratio	Lower	Upper
99	100		
42	20.4	17.2	25.8
71	37.6	27.3	40.9

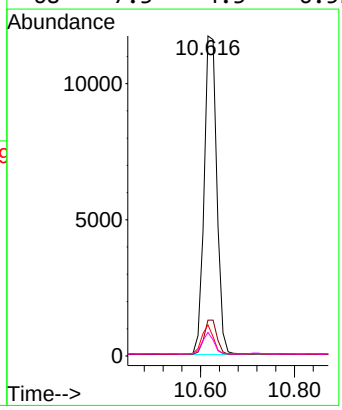


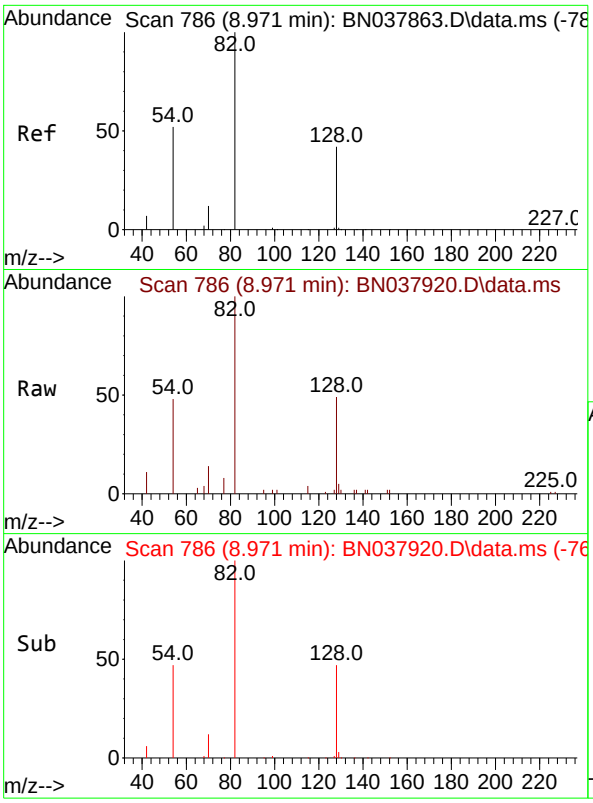


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.616 min Scan# 940
Delta R.T. -0.011 min
Lab File: BN037920.D
Acq: 26 Sep 2025 10:45

Tgt Ion:136 Resp: 21958

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	9.7	5.8	8.8#
68	7.3	4.3	6.5#



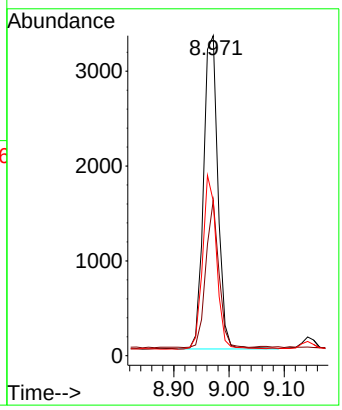


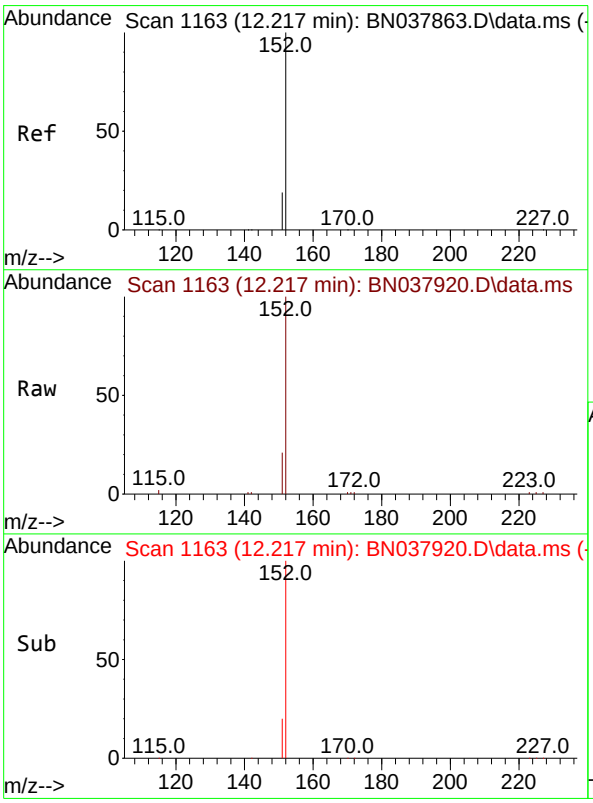
#8
Nitrobenzene-d5
Concen: 0.360 ng
RT: 8.971 min Scan# 7
Delta R.T. 0.000 min
Lab File: BN037920.D
Acq: 26 Sep 2025 10:45

Instrument :
BNA_N
ClientSampleId :
RW9-MW01D2-20250919

Tgt Ion: 82 Resp: 6023

Ion	Ratio	Lower	Upper
82	100		
128	48.5	34.8	52.2
54	48.4	42.2	63.2

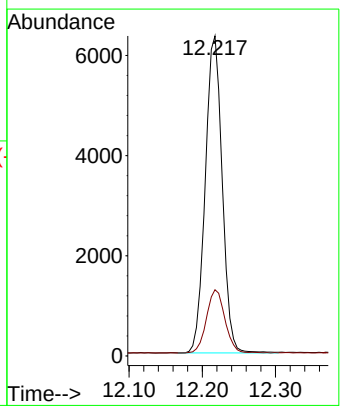


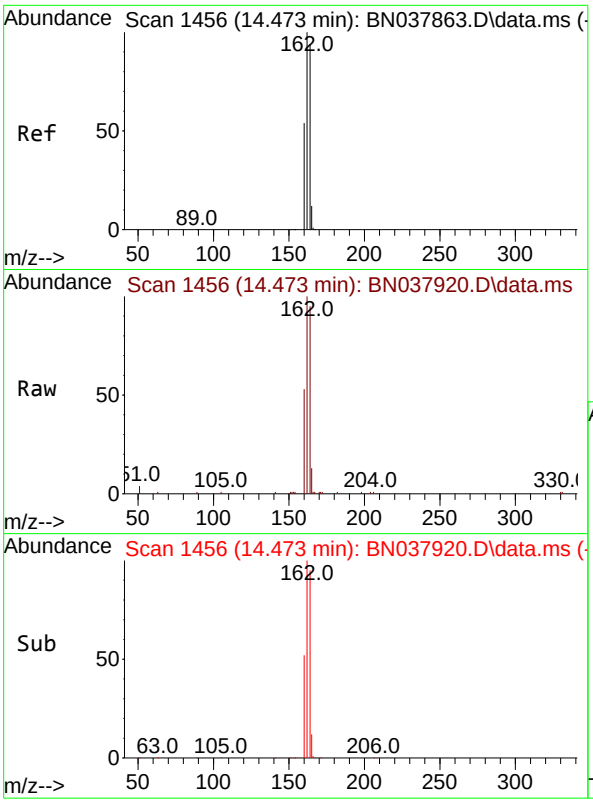


#11
2-Methylnaphthalene-d10
Concen: 0.333 ng
RT: 12.217 min Scan# 1163
Delta R.T. 0.000 min
Lab File: BN037920.D
Acq: 26 Sep 2025 10:45

Tgt Ion:152 Resp: 10168

Ion	Ratio	Lower	Upper
152	100		
151	21.7	17.4	26.2



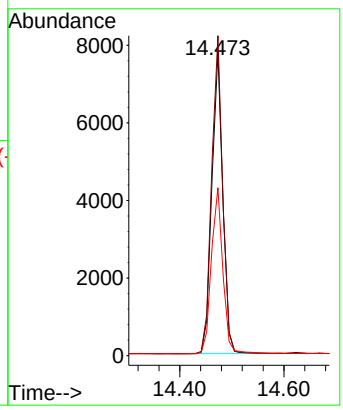


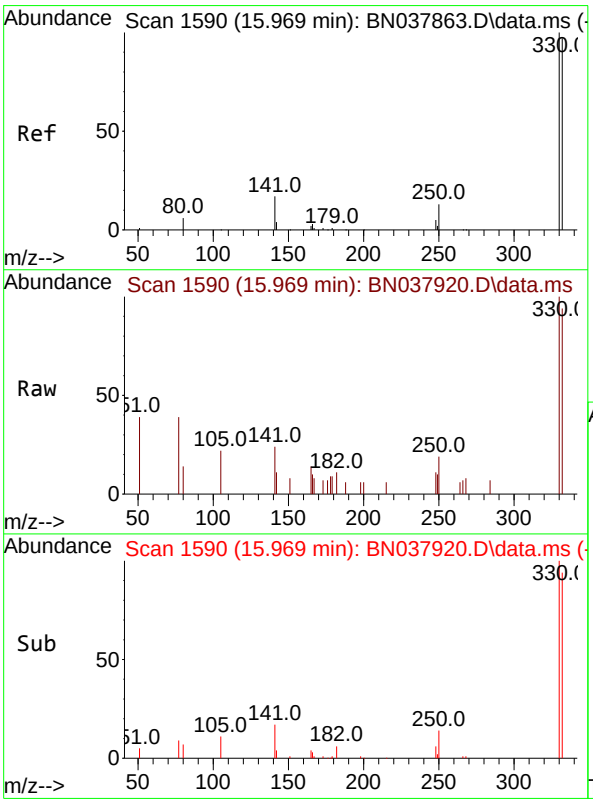
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.473 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037920.D
Acq: 26 Sep 2025 10:45

Instrument :
BNA_N
ClientSampleId :
RW9-MW01D2-20250919

Tgt Ion:164 Resp: 11286

Ion	Ratio	Lower	Upper
164	100		
162	105.4	84.8	127.2
160	55.3	46.1	69.1

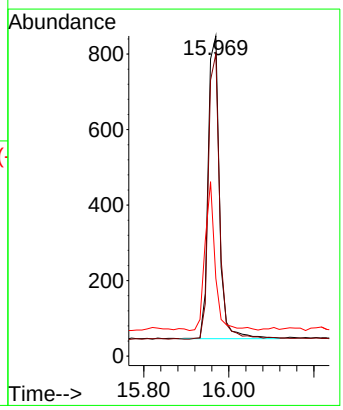


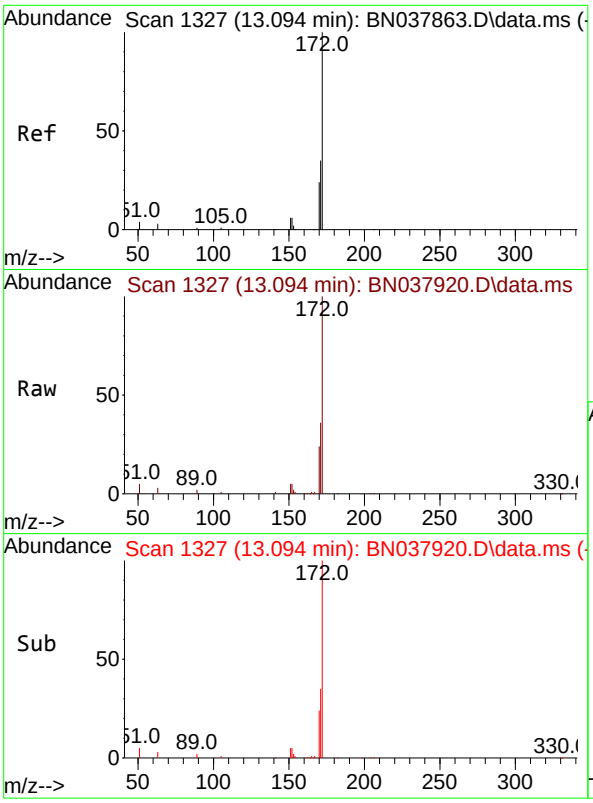


#14
2,4,6-Tribromophenol
Concen: 0.346 ng
RT: 15.969 min Scan# 1590
Delta R.T. 0.000 min
Lab File: BN037920.D
Acq: 26 Sep 2025 10:45

Tgt Ion:330 Resp: 1479

Ion	Ratio	Lower	Upper
330	100		
332	94.2	77.2	115.8
141	44.4	37.2	55.8



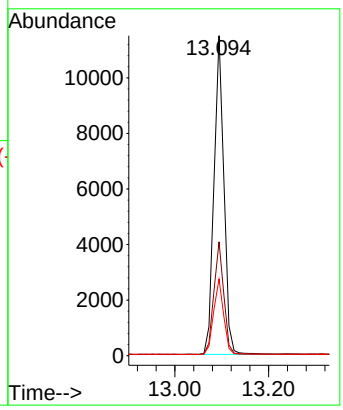


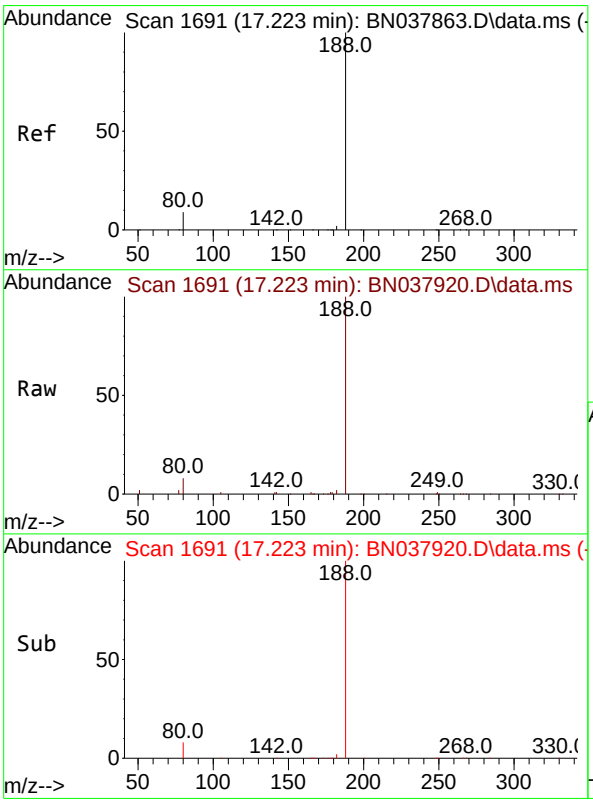
#15
2-Fluorobiphenyl
Concen: 0.367 ng
RT: 13.094 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037920.D
Acq: 26 Sep 2025 10:45

Instrument :
BNA_N
ClientSampleId :
RW9-MW01D2-20250919

Tgt Ion:172 Resp: 16937

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.6	43.0
170	23.9	19.7	29.5

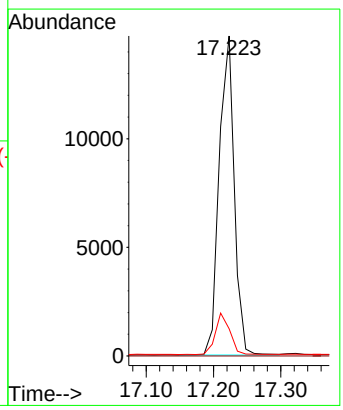


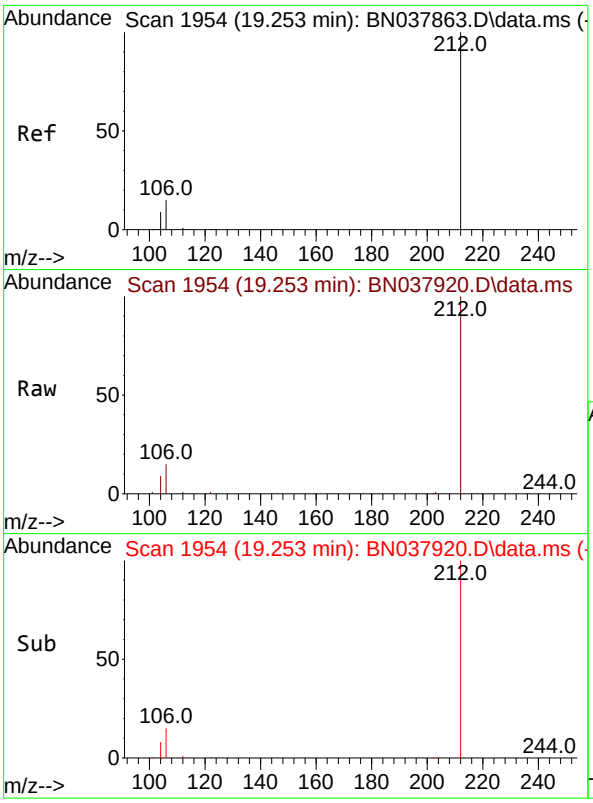


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.223 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BN037920.D
Acq: 26 Sep 2025 10:45

Tgt Ion:188 Resp: 22710

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.5	7.6	11.4



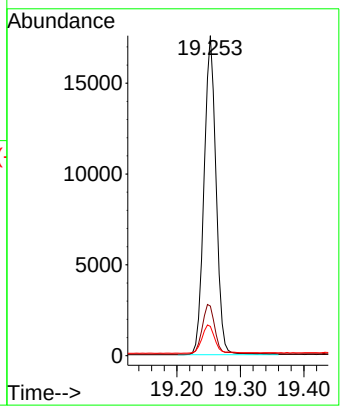


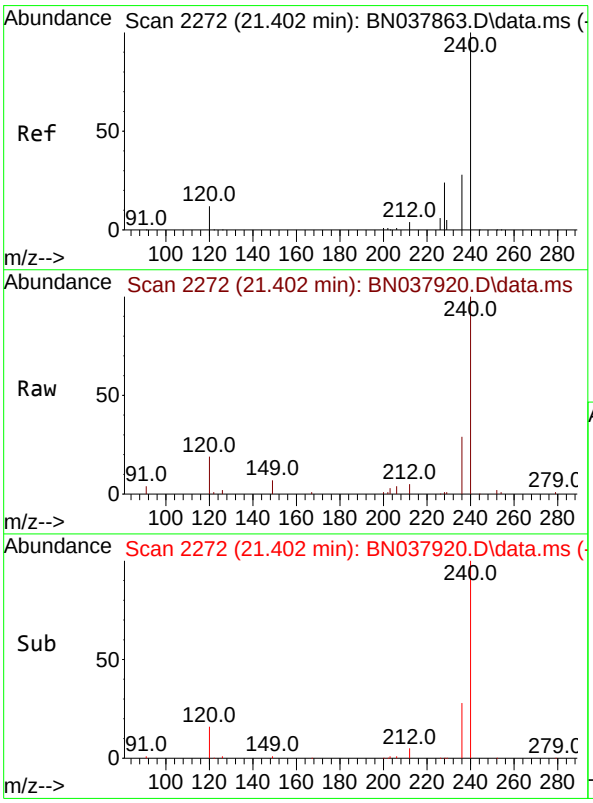
#27
Fluoranthene-d10
Concen: 0.404 ng
RT: 19.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037920.D
Acq: 26 Sep 2025 10:45

Instrument :
BNA_N
ClientSampleId :
RW9-MW01D2-20250919

Tgt Ion:212 Resp: 23063

Ion	Ratio	Lower	Upper
212	100		
106	16.7	12.6	19.0
104	9.7	7.4	11.0

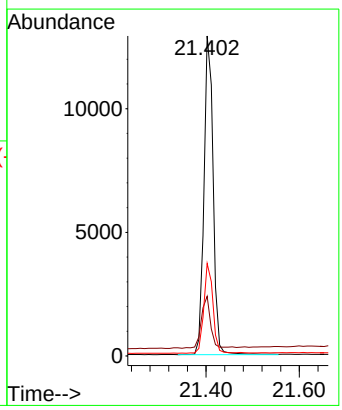


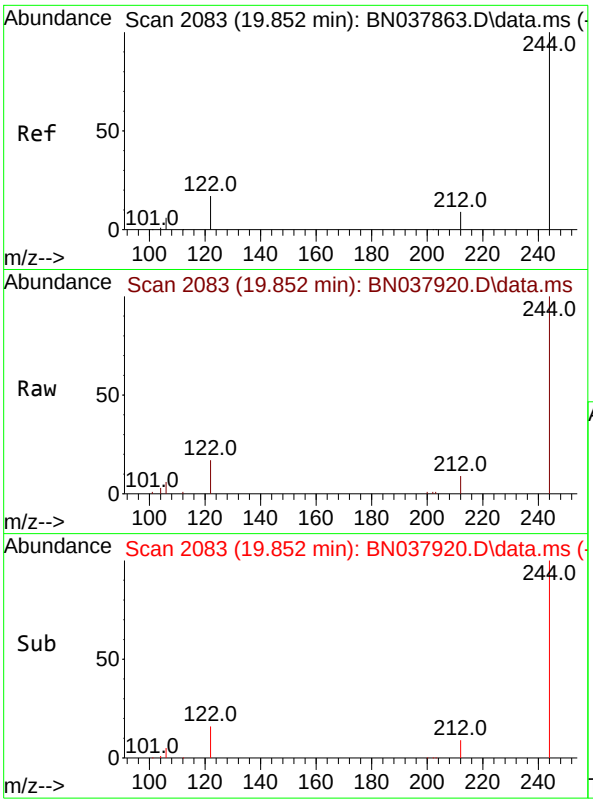


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.402 min Scan# 2272
Delta R.T. 0.000 min
Lab File: BN037920.D
Acq: 26 Sep 2025 10:45

Tgt Ion:240 Resp: 17686

Ion	Ratio	Lower	Upper
240	100		
120	18.7	11.4	17.2#
236	28.9	23.0	34.6



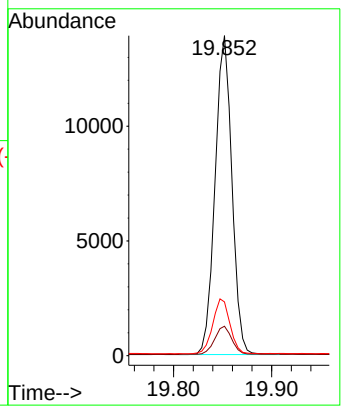


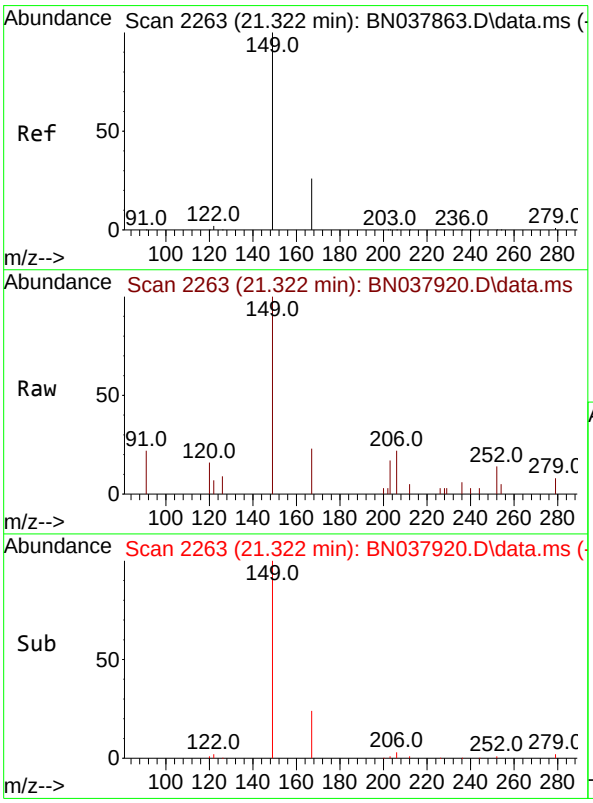
#31
Terphenyl-d14
Concen: 0.470 ng
RT: 19.852 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037920.D
Acq: 26 Sep 2025 10:45

Instrument :
BNA_N
ClientSampleId :
RW9-MW01D2-20250919

Tgt Ion:244 Resp: 16563

Ion	Ratio	Lower	Upper
244	100		
212	9.2	7.6	11.4
122	16.8	13.9	20.9

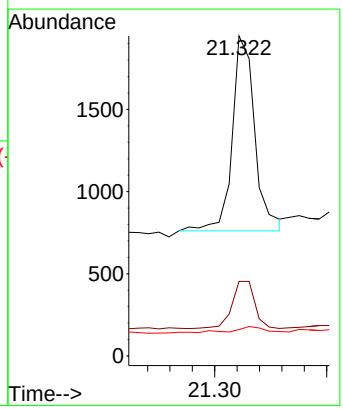


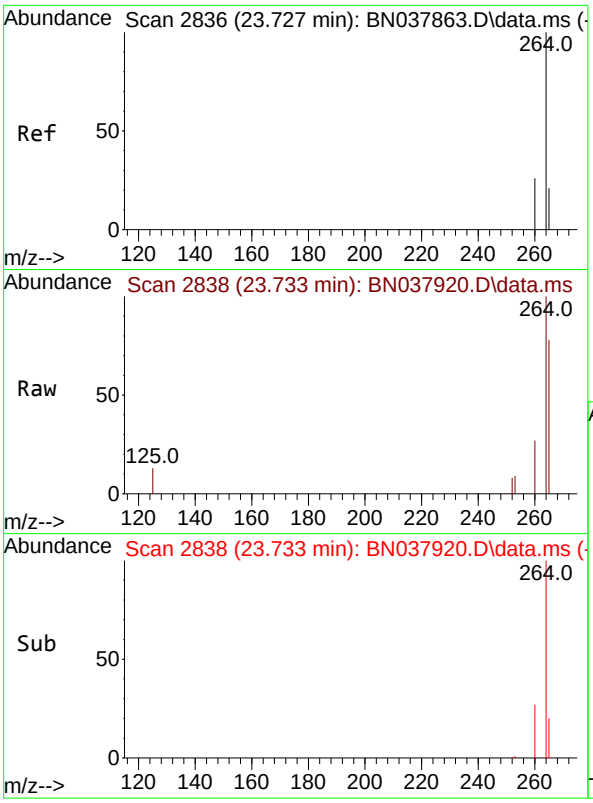


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.068 ng
RT: 21.322 min Scan# 2263
Delta R.T. 0.000 min
Lab File: BN037920.D
Acq: 26 Sep 2025 10:45

Tgt Ion:149 Resp: 1654

Ion	Ratio	Lower	Upper
149	100		
167	24.6	20.4	30.6
279	3.6	2.4	3.6



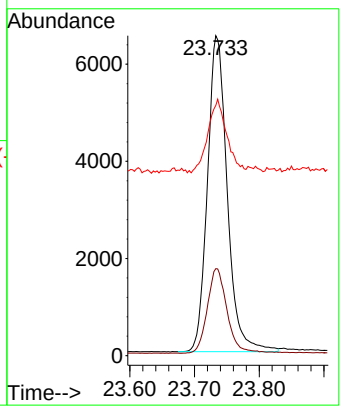


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.733 min Scan# 2
Delta R.T. 0.006 min
Lab File: BN037920.D
Acq: 26 Sep 2025 10:45

Instrument :
BNA_N
ClientSampleId :
RW9-MW01D2-20250919

Tgt Ion:264 Resp: 13838

Ion	Ratio	Lower	Upper
264	100		
260	27.2	21.5	32.3
265	78.2	53.8	80.6



CALIBRATION SUMMARY

Response Factor Report BNA_N

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
Method File : 8270-SIM-BN092325.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Sep 24 11:00:01 2025
Response Via : Initial Calibration

Calibration Files
0.1 =BN037861.D 0.2 =BN037862.D 0.4 =BN037863.D 0.8 =BN037864.D 1.6 =BN037865.D 3.2 =BN037866.D 5 =BN037867.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	0.413	0.410	0.403	0.425	0.410	0.376	0.406	4.04	
3)		n-Nitrosodimet...	0.541	0.517	0.526	0.561	0.549	0.547	0.540	3.03	
4)	S	2-Fluorophenol	0.944	0.921	0.856	0.839	0.908	0.923	0.998	0.913	5.84
5)	S	Phenol-d6	1.190	1.200	1.118	1.088	1.211	1.236	1.353	1.199	7.15
6)		bis(2-Chloroet...	1.133	1.096	1.082	1.066	1.150	1.124	1.143	1.113	2.89
7)	I	Naphthalene-d8	----------ISTD----------								
8)	S	Nitrobenzene-d5	0.299	0.289	0.289	0.290	0.310	0.320	0.338	0.305	6.14
9)		Naphthalene	1.105	1.089	1.048	1.051	1.123	1.137	1.160	1.102	3.84
10)		Hexachlorobuta...	0.198	0.184	0.182	0.183	0.192	0.188	0.188	0.188	2.94
11)	SURR	2-Methylnaphth...	0.515	0.518	0.499	0.504	0.553	0.587	0.714	0.556	13.74
12)		2-Methylnaphth...	0.678	0.681	0.668	0.682	0.754	0.775	0.802	0.720	7.68
13)	I	Acenaphthene-d10	----------ISTD----------								
14)	S	2,4,6-Tribromo...	0.148	0.142	0.135	0.139	0.163	0.184		0.152	12.15
15)	S	2-Fluorobiphenyl	1.660	1.631	1.559	1.547	1.654	1.650	1.762	1.638	4.36
16)		Acenaphthylene	1.698	1.721	1.663	1.680	1.907	1.951	2.094	1.816	9.23
17)		Acenaphthene	1.262	1.230	1.198	1.208	1.351	1.371	1.437	1.294	7.16
18)		Fluorene	1.455	1.455	1.452	1.466	1.664	1.717	1.748	1.565	8.77
19)	I	Phenanthrene-d10	----------ISTD----------								
20)		4,6-Dinitro-2-...	0.041	0.044	0.046	0.058	0.071	0.084	0.057	29.75	
21)		4-Bromophenyl-...	0.252	0.247	0.244	0.244	0.272	0.275	0.291	0.261	7.07
22)		Hexachlorobenzene	0.317	0.312	0.305	0.300	0.324	0.323	0.332	0.316	3.53
23)		Atrazine	0.180	0.181	0.172	0.178	0.205	0.224	0.249	0.199	14.70
24)		Pentachlorophenol	0.101	0.092	0.097	0.116	0.136		0.108	16.50	
25)		Phenanthrene	1.301	1.271	1.230	1.224	1.358	1.379	1.452	1.316	6.37
26)		Anthracene	1.034	1.035	1.023	1.057	1.209	1.275	1.361	1.142	12.10
27)	SURR	Fluoranthene-d10	0.880	0.918	0.887	0.900	1.004	1.085	1.370	1.006	17.59
28)		Fluoranthene	1.278	1.315	1.311	1.358	1.555	1.617	1.713	1.450	12.07
29)	I	Chrysene-d12	----------ISTD----------								
30)		Pyrene	1.576	1.600	1.521	1.476	1.607	1.595	1.679	1.579	4.12
31)	S	Terphenyl-d14	0.799	0.791	0.753	0.735	0.798	0.809	0.893	0.797	6.34
32)		Benzo(a)anthra...	1.376	1.359	1.294	1.285	1.423	1.483	1.567	1.398	7.27
33)		Chrysene	1.508	1.526	1.462	1.446	1.559	1.512	1.569	1.512	3.03
34)		Bis(2-ethylhex...	0.592	0.487	0.476	0.518	0.569	0.676	0.553	13.57	
35)	I	Perylene-d12	----------ISTD----------								

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
Method File : 8270-SIM-BN092325.M

36)		Indeno(1,2,3-c...	1.715	1.672	1.658	1.707	1.887	1.996	2.159	1.828	10.52
37)		Benzo(b)fluora...	1.599	1.606	1.641	1.590	1.810	1.848	1.981	1.725	8.95
38)		Benzo(k)fluora...	1.620	1.586	1.597	1.628	1.875	1.917	1.926	1.736	9.26
39)	C	Benzo(a)pyrene	1.254	1.296	1.231	1.254	1.413	1.492	1.610	1.364	10.61
40)		Dibenzo(a,h)an...	1.285	1.283	1.303	1.333	1.495	1.587	1.705	1.427	11.87
41)		Benzo(g,h,i)pe...	1.407	1.381	1.404	1.397	1.521	1.613	1.773	1.499	9.85

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092325\
Data File : BN037861.D
Acq On : 23 Sep 2025 12:13
Operator : RC/JU
Sample : SSTDICC0.1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Quant Time: Sep 23 16:21:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 23 16:17:53 2025
Response via : Initial Calibration

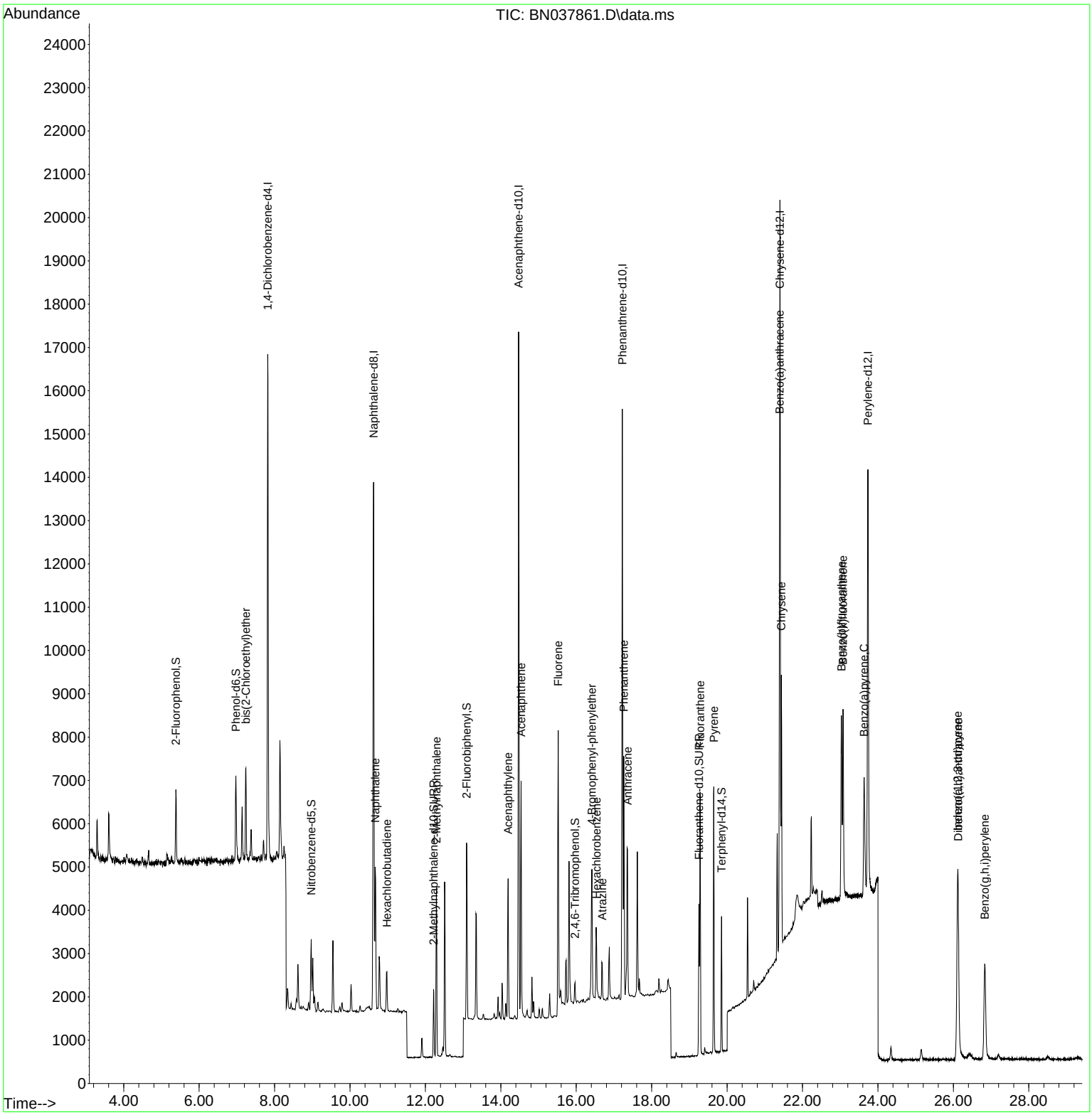
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.818	152	5856	0.400	ng		0.00
7) Naphthalene-d8	10.626	136	16223	0.400	ng		0.00
13) Acenaphthene-d10	14.473	164	8379	0.400	ng		0.00
19) Phenanthrene-d10	17.223	188	17197	0.400	ng		0.00
29) Chrysene-d12	21.402	240	13854	0.400	ng		0.00
35) Perylene-d12	23.736	264	13928	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.384	112	1382	0.103	ng		0.00
5) Phenol-d6	6.973	99	1742	0.099	ng		0.00
8) Nitrobenzene-d5	8.971	82	1212	0.098	ng		0.00
11) 2-Methylnaphthalene-d10	12.217	152	2089	0.093	ng		0.00
14) 2,4,6-Tribromophenol	15.969	330	309	0.091	ng		0.00
15) 2-Fluorobiphenyl	13.094	172	3478	0.101	ng		0.00
27) Fluoranthene-d10	19.253	212	3783	0.087	ng		0.00
31) Terphenyl-d14	19.852	244	2766	0.100	ng		0.00
Target Compounds							Qvalue
6) bis(2-Chloroethyl)ether	7.240	93	1658	0.102	ng		99
9) Naphthalene	10.669	128	4483	0.100	ng		96
10) Hexachlorobutadiene	10.979	225	802	0.105	ng	#	96
12) 2-Methylnaphthalene	12.293	142	2749	0.094	ng		98
16) Acenaphthylene	14.195	152	3557	0.093	ng		98
17) Acenaphthene	14.537	154	2644	0.098	ng		99
18) Fluorene	15.523	166	3048	0.093	ng		99
21) 4-Bromophenyl-phenylether	16.416	248	1084	0.097	ng		96
22) Hexachlorobenzene	16.540	284	1361	0.100	ng		99
23) Atrazine	16.689	200	772	0.090	ng	#	95
25) Phenanthrene	17.260	178	5595	0.099	ng		99
26) Anthracene	17.360	178	4446	0.091	ng		99
28) Fluoranthene	19.285	202	5493	0.088	ng		99
30) Pyrene	19.647	202	5458	0.100	ng		99
32) Benzo(a)anthracene	21.393	228	4766	0.098	ng		99
33) Chrysene	21.438	228	5223	0.100	ng		99
36) Indeno(1,2,3-cd)pyrene	26.113	276	5972	0.094	ng		98
37) Benzo(b)fluoranthene	23.031	252	5567	0.093	ng	#	78
38) Benzo(k)fluoranthene	23.075	252	5642	0.093	ng	#	80
39) Benzo(a)pyrene	23.630	252	4368	0.092	ng	#	71
40) Dibenzo(a,h)anthracene	26.127	278	4476	0.090	ng	#	85
41) Benzo(g,h,i)perylene	26.832	276	4900	0.094	ng		93

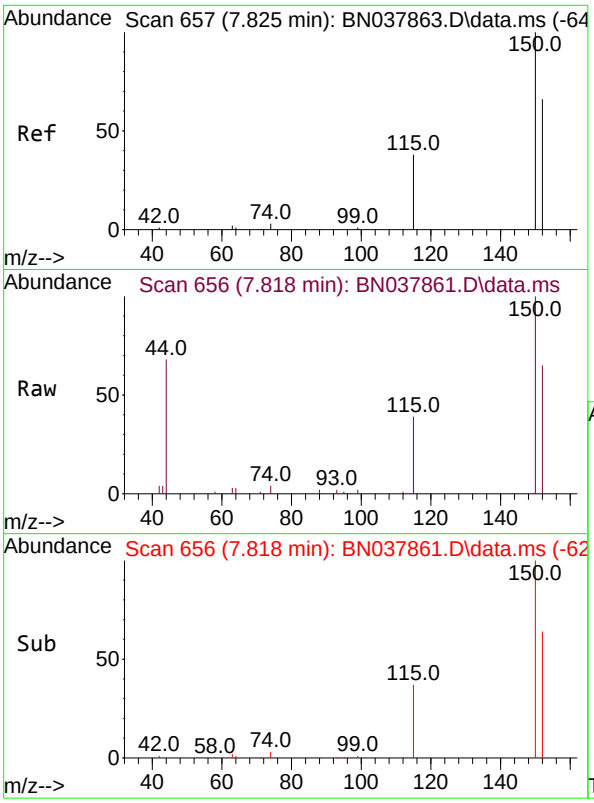
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092325\
Data File : BN037861.D
Acq On : 23 Sep 2025 12:13
Operator : RC/JU
Sample : SSTDICC0.1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Quant Time: Sep 23 16:21:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 23 16:17:53 2025
Response via : Initial Calibration



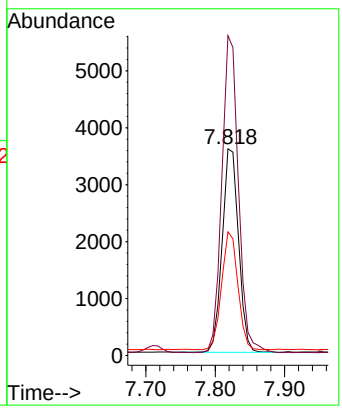


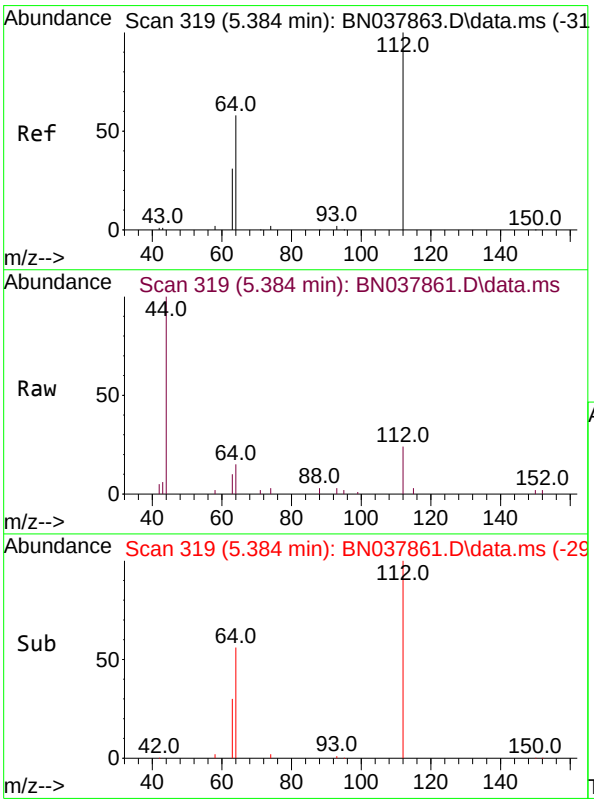
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.818 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN037861.D
Acq: 23 Sep 2025 12:13

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:152 Resp: 5856

Ion	Ratio	Lower	Upper
152	100		
150	154.8	121.0	181.4
115	59.9	47.4	71.0

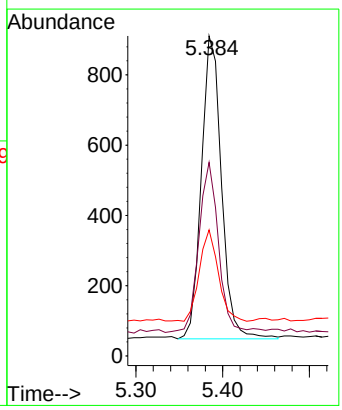


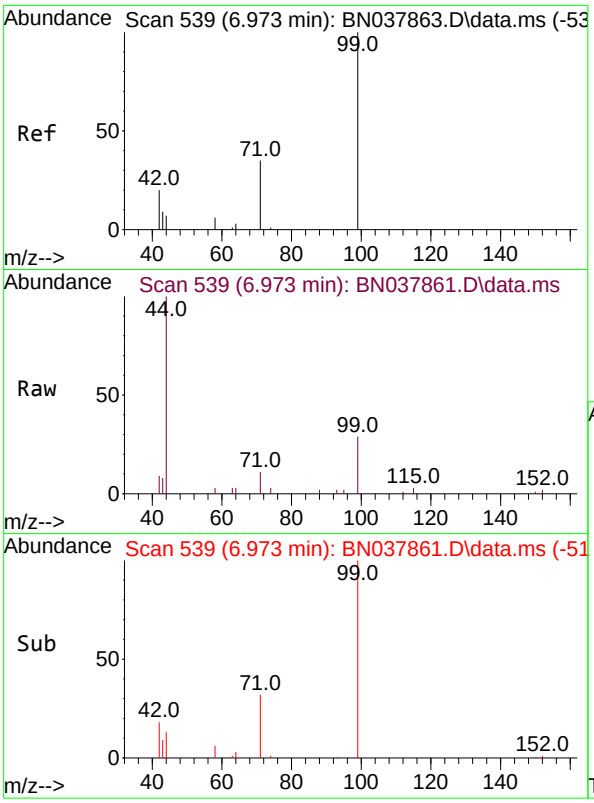


#4
2-Fluorophenol
Concen: 0.103 ng
RT: 5.384 min Scan# 319
Delta R.T. -0.000 min
Lab File: BN037861.D
Acq: 23 Sep 2025 12:13

Tgt Ion:112 Resp: 1382

Ion	Ratio	Lower	Upper
112	100		
64	55.3	44.6	66.8
63	28.7	24.9	37.3



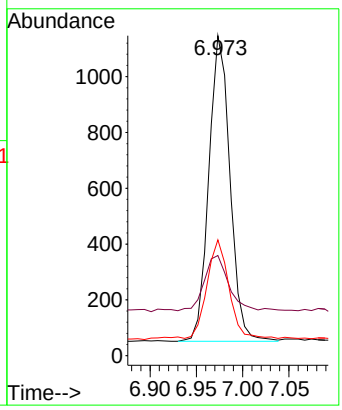


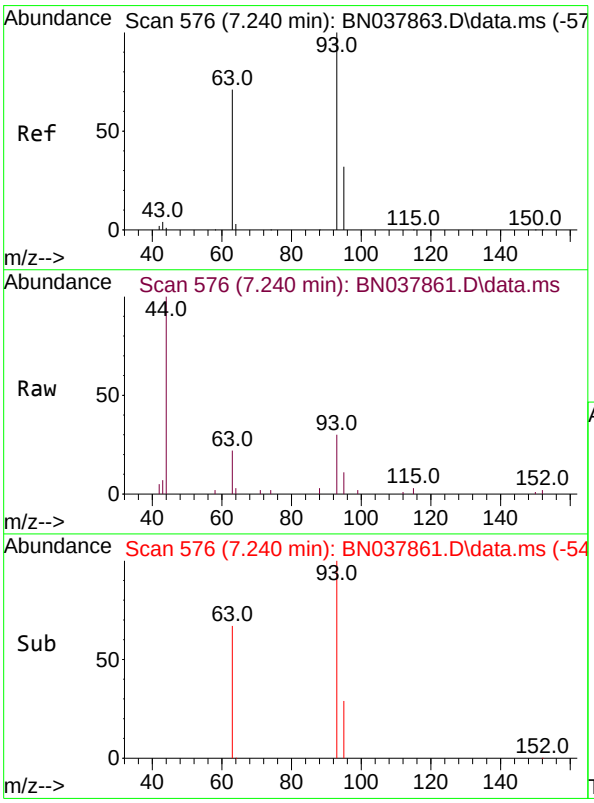
#5
Phenol-d6
Concen: 0.099 ng
RT: 6.973 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN037861.D
Acq: 23 Sep 2025 12:13

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion: 99 Resp: 1742

Ion	Ratio	Lower	Upper
99	100		
42	21.0	17.2	25.8
71	33.5	27.3	40.9

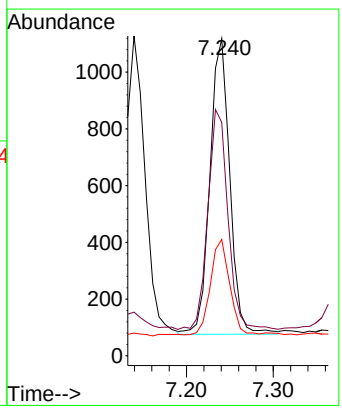


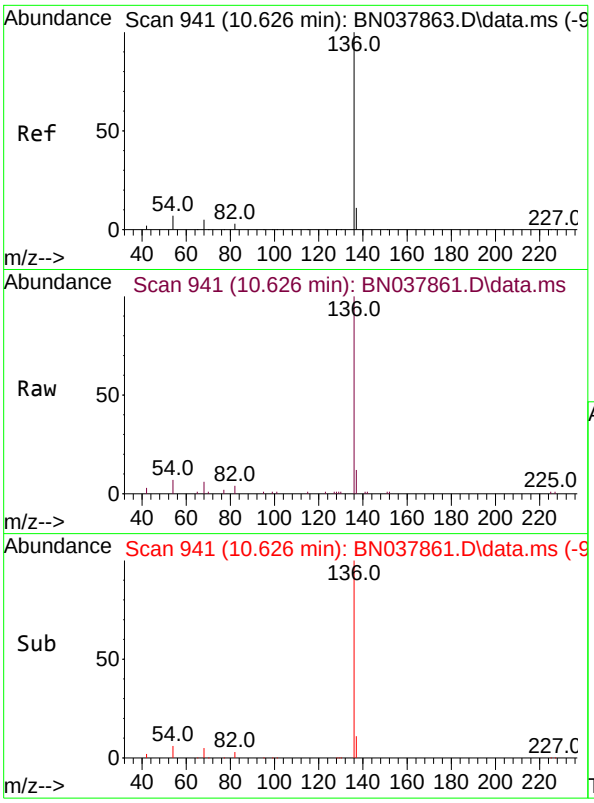


#6
bis(2-Chloroethyl)ether
Concen: 0.102 ng
RT: 7.240 min Scan# 576
Delta R.T. 0.000 min
Lab File: BN037861.D
Acq: 23 Sep 2025 12:13

Tgt Ion: 93 Resp: 1658

Ion	Ratio	Lower	Upper
93	100		
63	75.2	60.1	90.1
95	31.0	25.4	38.2



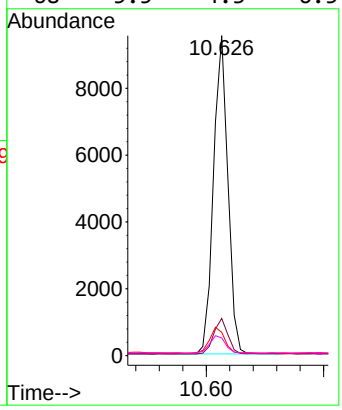


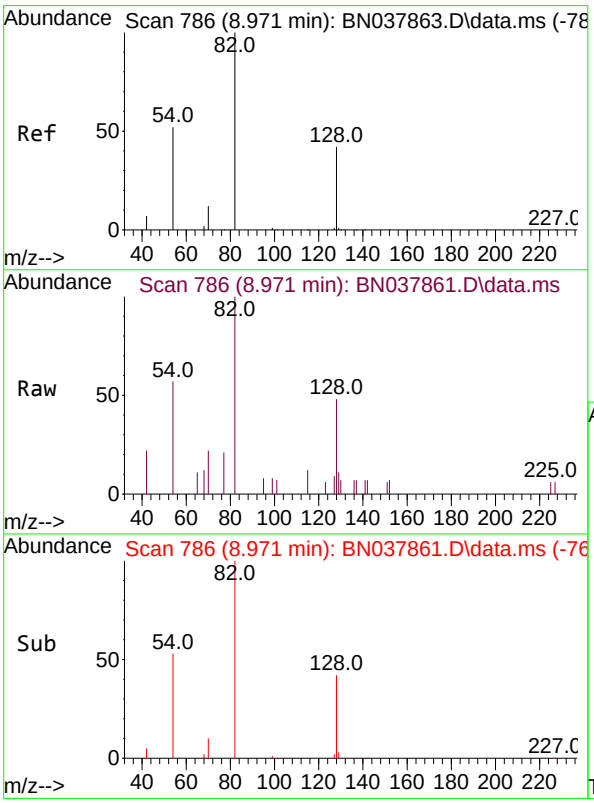
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.626 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN037861.D
Acq: 23 Sep 2025 12:13

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:136 Resp: 16223

Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.0	13.4
54	7.3	5.8	8.8
68	5.5	4.3	6.5

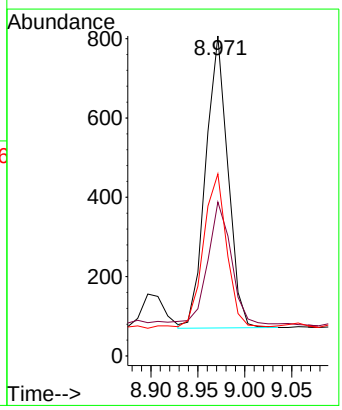


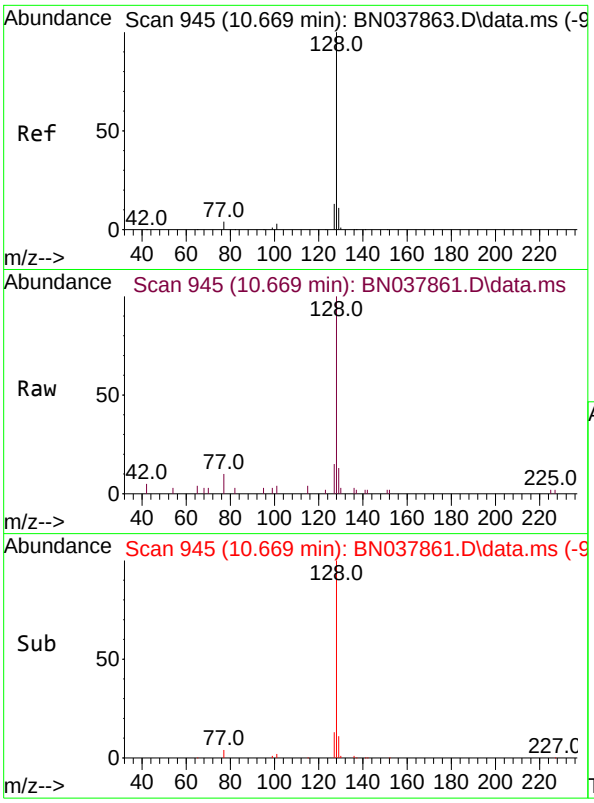


#8
Nitrobenzene-d5
Concen: 0.098 ng
RT: 8.971 min Scan# 786
Delta R.T. -0.000 min
Lab File: BN037861.D
Acq: 23 Sep 2025 12:13

Tgt Ion: 82 Resp: 1212

Ion	Ratio	Lower	Upper
82	100		
128	48.1	34.8	52.2
54	56.9	42.2	63.2



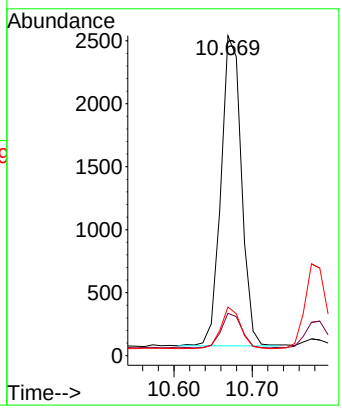


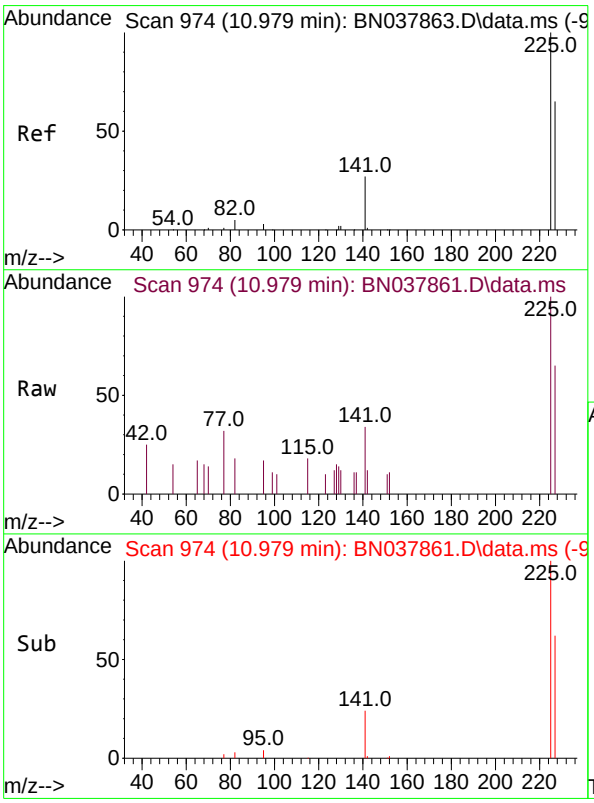
#9
Naphthalene
Concen: 0.100 ng
RT: 10.669 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN037861.D
Acq: 23 Sep 2025 12:13

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:128 Resp: 4483

Ion	Ratio	Lower	Upper
128	100		
129	13.2	9.2	13.8
127	15.2	11.0	16.6

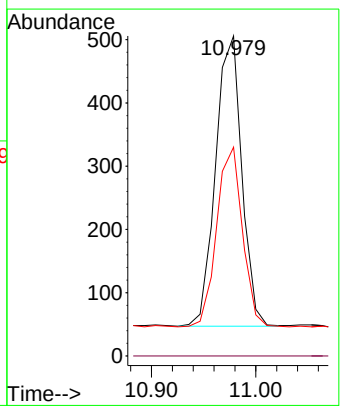


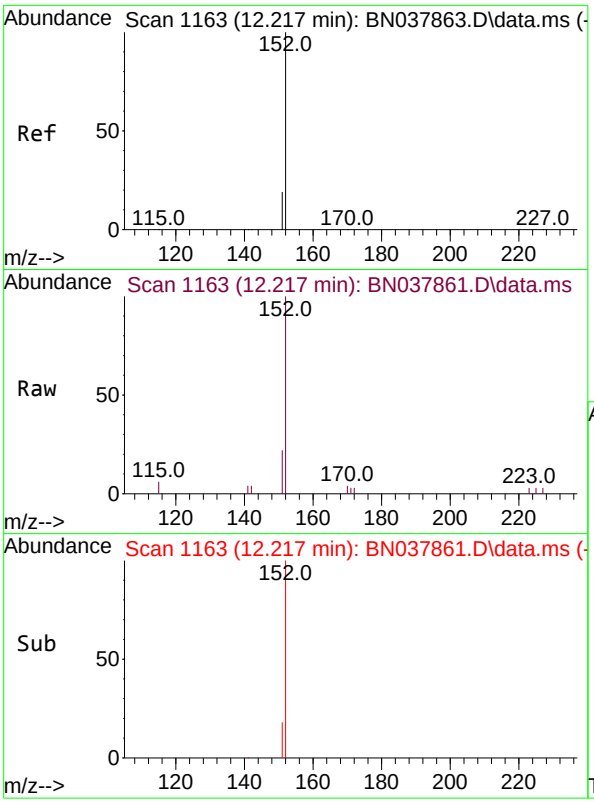


#10
Hexachlorobutadiene
Concen: 0.105 ng
RT: 10.979 min Scan# 974
Delta R.T. 0.000 min
Lab File: BN037861.D
Acq: 23 Sep 2025 12:13

Tgt Ion:225 Resp: 802

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	60.8	51.4	77.2



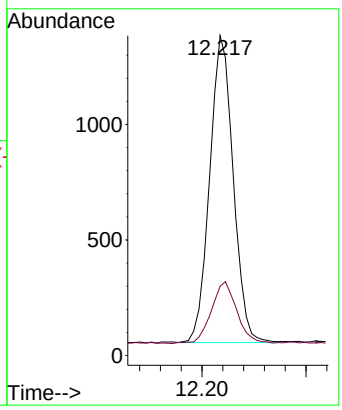


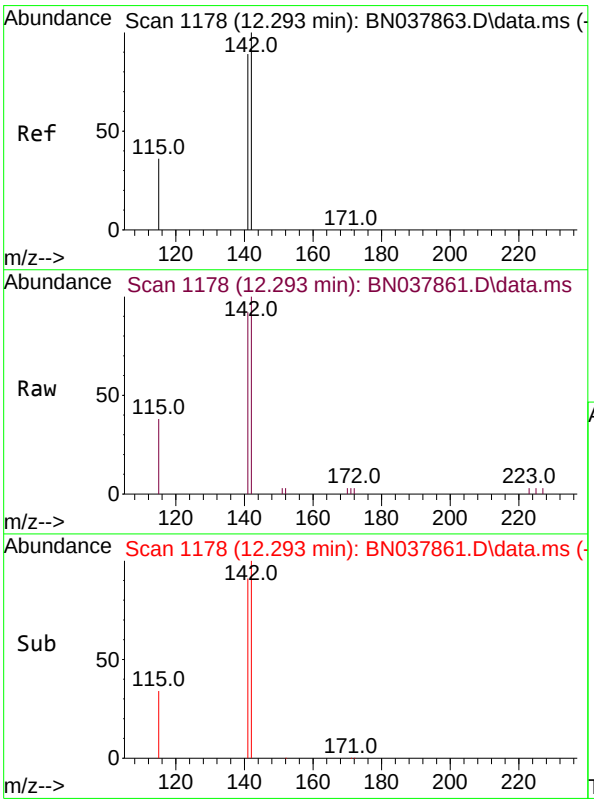
#11
2-Methylnaphthalene-d10
Concen: 0.093 ng
RT: 12.217 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN037861.D
Acq: 23 Sep 2025 12:13

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:152 Resp: 2089

Ion	Ratio	Lower	Upper
152	100		
151	22.0	17.4	26.2

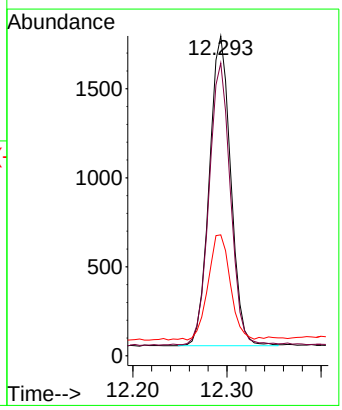


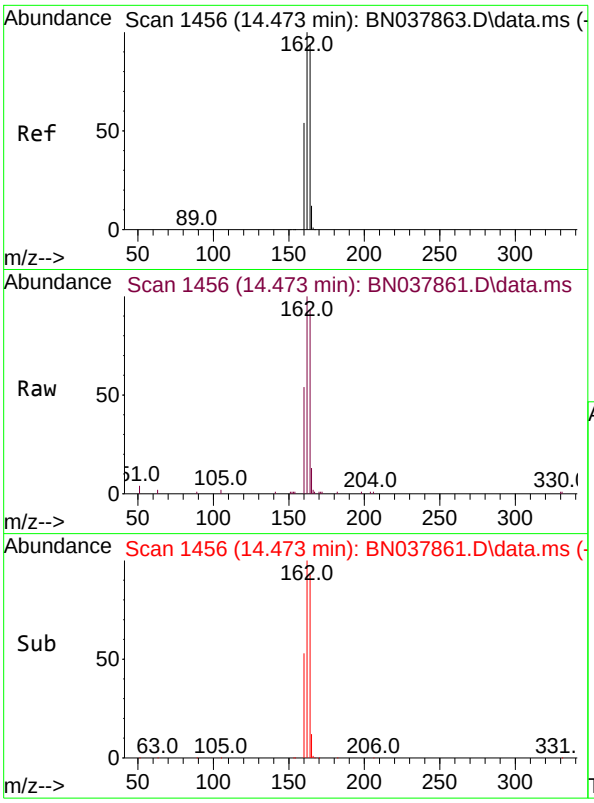


#12
2-Methylnaphthalene
Concen: 0.094 ng
RT: 12.293 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BN037861.D
Acq: 23 Sep 2025 12:13

Tgt Ion:142 Resp: 2749

Ion	Ratio	Lower	Upper
142	100		
141	91.5	71.2	106.8
115	37.8	29.7	44.5



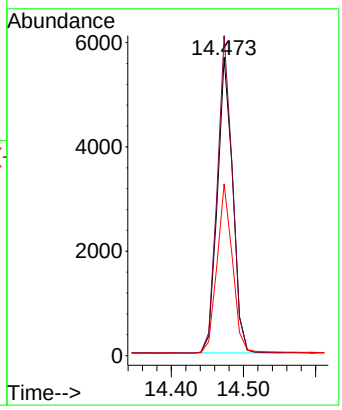


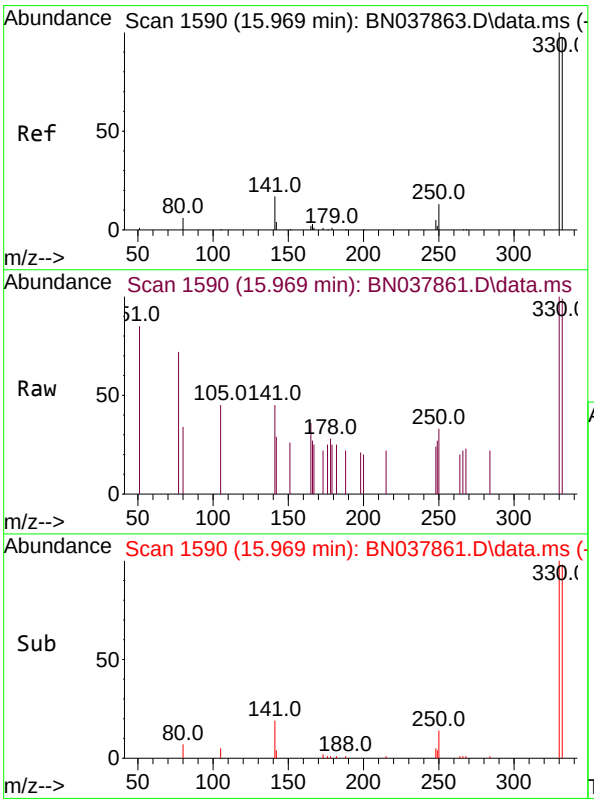
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.473 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN037861.D
Acq: 23 Sep 2025 12:13

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:164 Resp: 8379

Ion	Ratio	Lower	Upper
164	100		
162	107.3	84.8	127.2
160	57.6	46.1	69.1

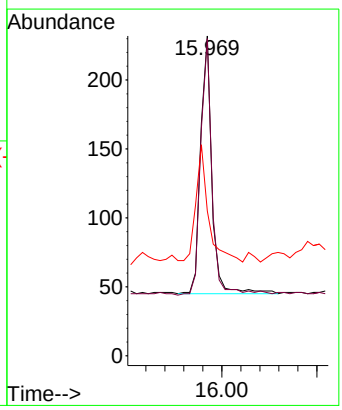


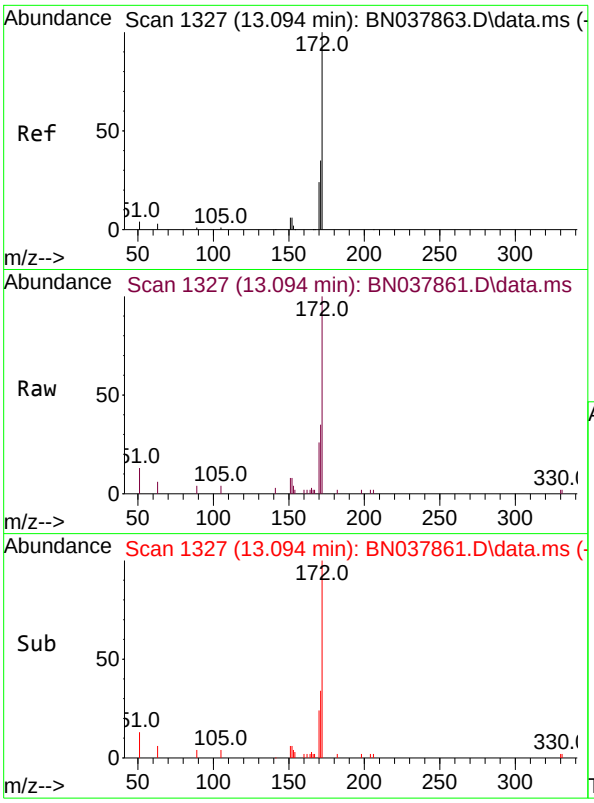


#14
2,4,6-Tribromophenol
Concen: 0.091 ng
RT: 15.969 min Scan# 1590
Delta R.T. 0.000 min
Lab File: BN037861.D
Acq: 23 Sep 2025 12:13

Tgt Ion:330 Resp: 309

Ion	Ratio	Lower	Upper
330	100		
332	100.3	77.2	115.8
141	50.8	37.2	55.8



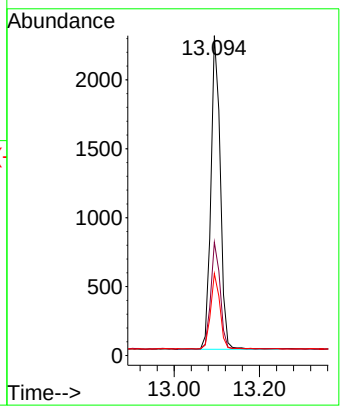


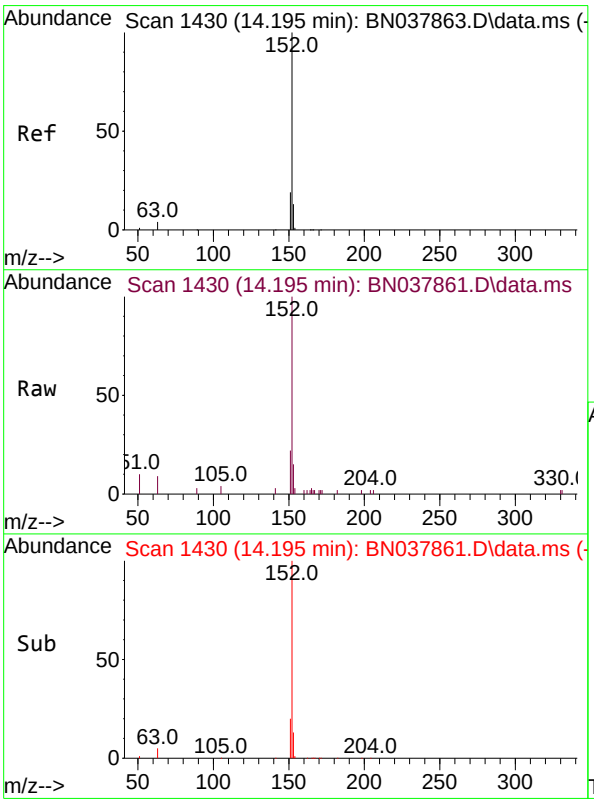
#15
2-Fluorobiphenyl
Concen: 0.101 ng
RT: 13.094 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037861.D
Acq: 23 Sep 2025 12:13

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:172 Resp: 3478

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.6	43.0
170	25.6	19.7	29.5

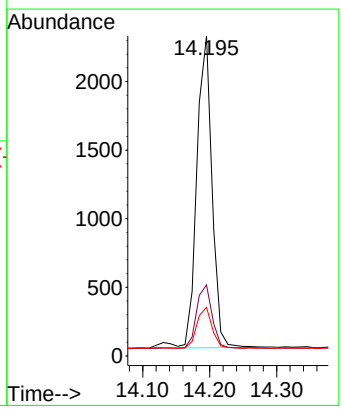


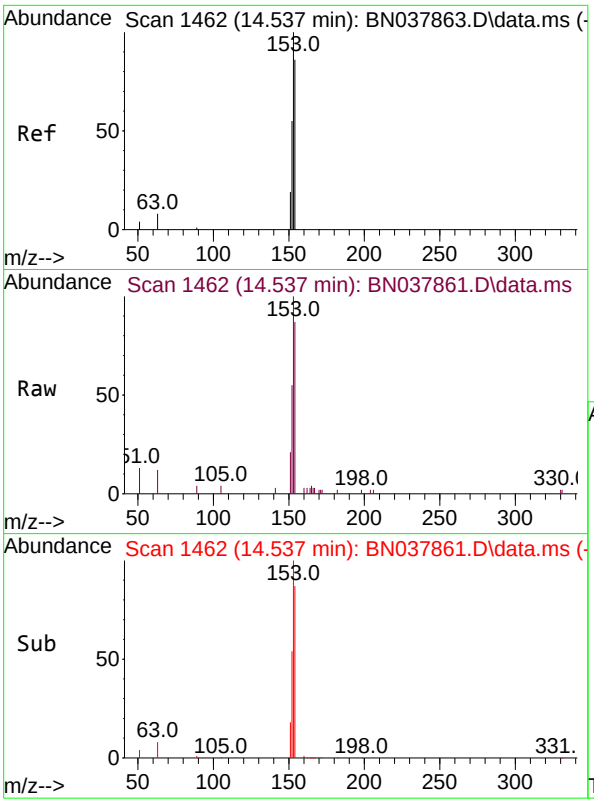


#16
Acenaphthylene
Concen: 0.093 ng
RT: 14.195 min Scan# 1430
Delta R.T. -0.000 min
Lab File: BN037861.D
Acq: 23 Sep 2025 12:13

Tgt Ion:152 Resp: 3557

Ion	Ratio	Lower	Upper
152	100		
151	21.2	15.8	23.8
153	13.2	10.5	15.7



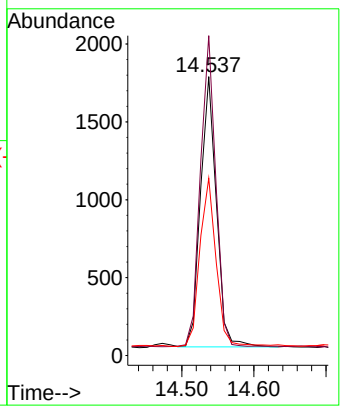


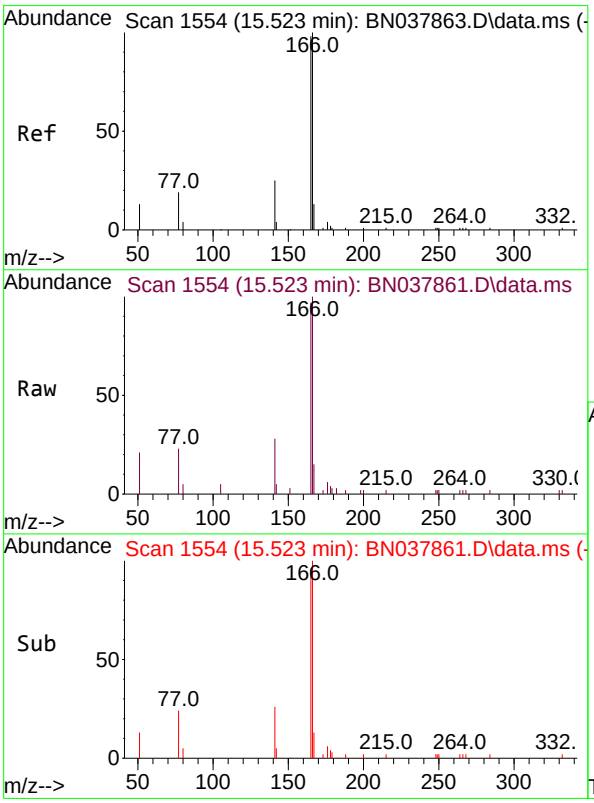
#17
Acenaphthene
Concen: 0.098 ng
RT: 14.537 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037861.D
Acq: 23 Sep 2025 12:13

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:154 Resp: 2644

Ion	Ratio	Lower	Upper
154	100		
153	111.7	90.5	135.7
152	64.5	51.8	77.8

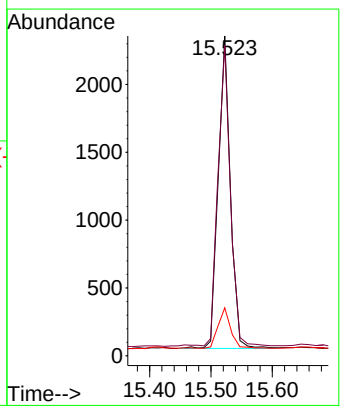


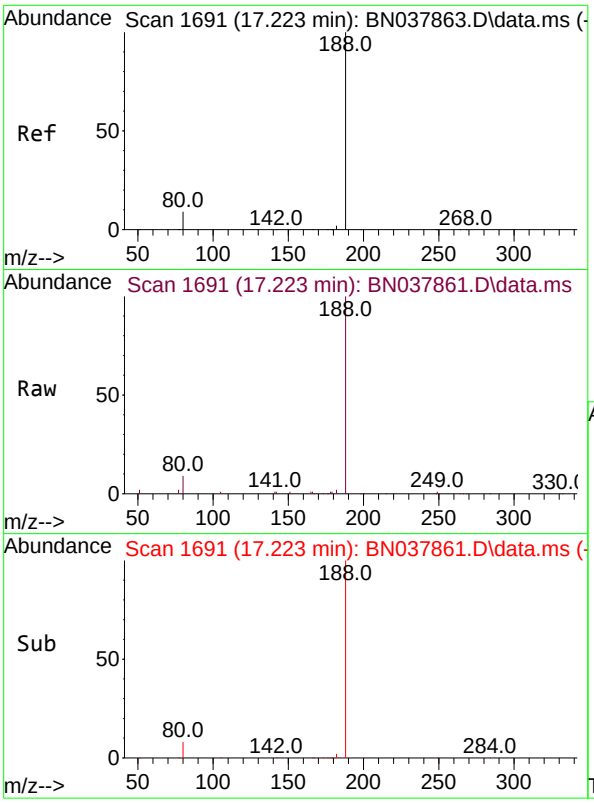


#18
Fluorene
Concen: 0.093 ng
RT: 15.523 min Scan# 1554
Delta R.T. -0.000 min
Lab File: BN037861.D
Acq: 23 Sep 2025 12:13

Tgt Ion:166 Resp: 3048

Ion	Ratio	Lower	Upper
166	100		
165	100.0	79.0	118.4
167	13.7	10.6	16.0



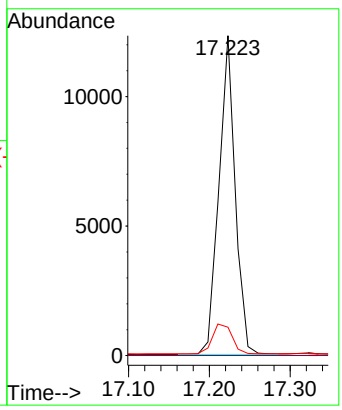


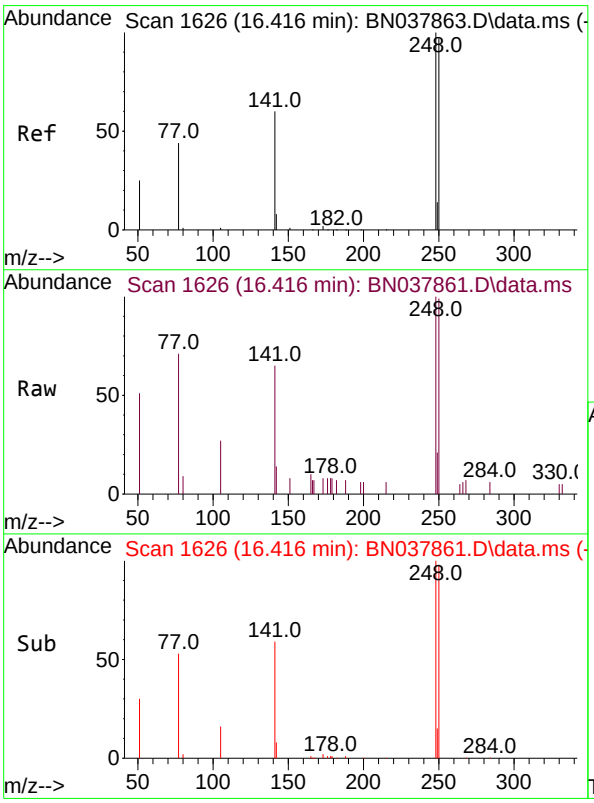
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.223 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037861.D
Acq: 23 Sep 2025 12:13

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:188 Resp: 17197

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.9	7.6	11.4

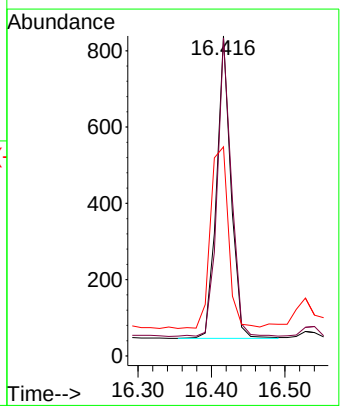


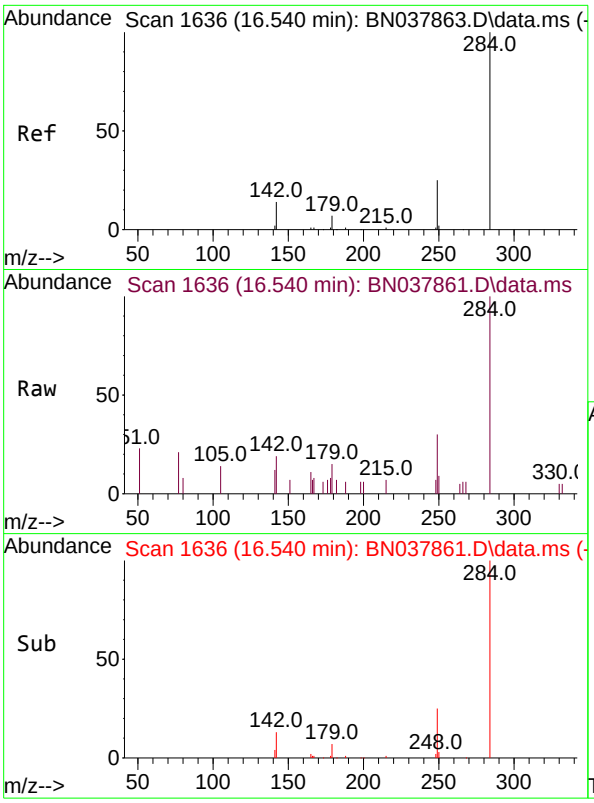


#21
4-Bromophenyl-phenylether
Concen: 0.097 ng
RT: 16.416 min Scan# 1626
Delta R.T. -0.000 min
Lab File: BN037861.D
Acq: 23 Sep 2025 12:13

Tgt Ion:248 Resp: 1084

Ion	Ratio	Lower	Upper
248	100		
250	99.3	77.6	116.4
141	65.3	48.8	73.2



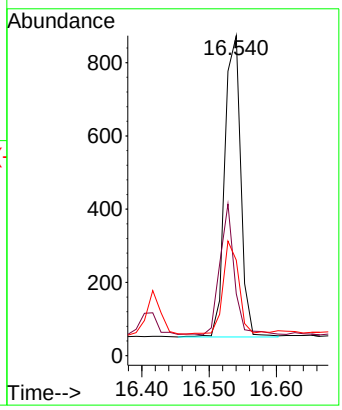


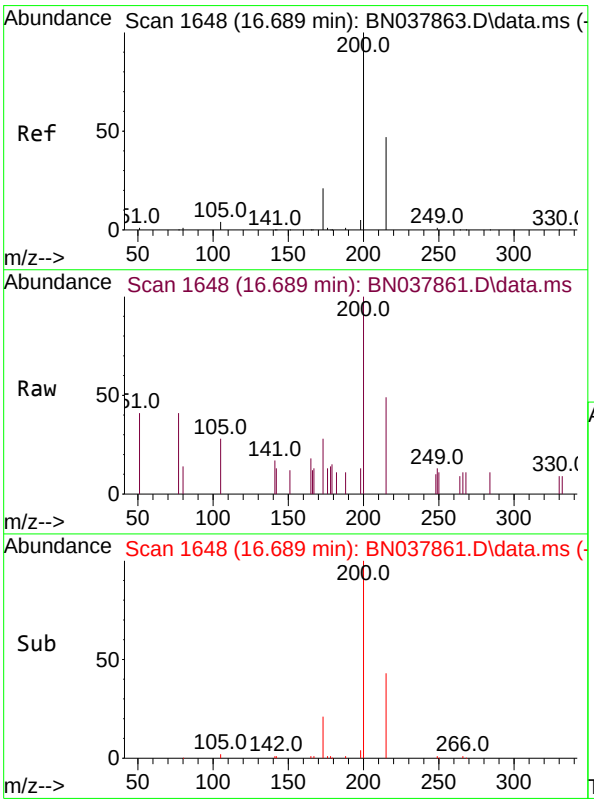
#22
Hexachlorobenzene
Concen: 0.100 ng
RT: 16.540 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037861.D
Acq: 23 Sep 2025 12:13

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:284 Resp: 1361

Ion	Ratio	Lower	Upper
284	100		
142	38.9	30.9	46.3
249	30.6	23.9	35.9

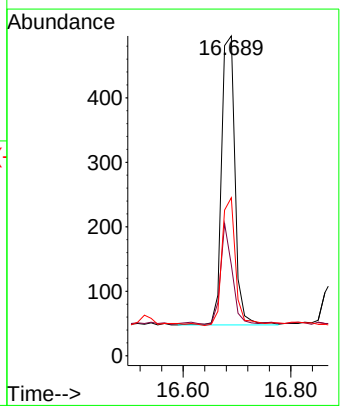


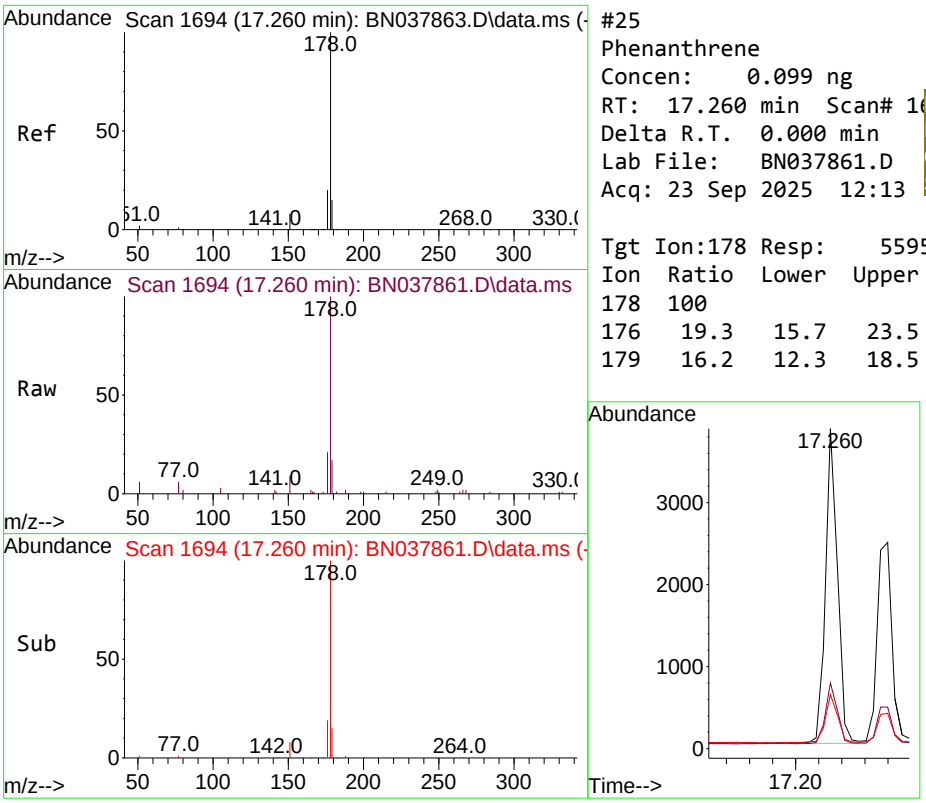


#23
Atrazine
Concen: 0.090 ng
RT: 16.689 min Scan# 1648
Delta R.T. 0.000 min
Lab File: BN037861.D
Acq: 23 Sep 2025 12:13

Tgt Ion:200 Resp: 772

Ion	Ratio	Lower	Upper
200	100		
173	28.4	18.3	27.5#
215	49.4	38.6	58.0



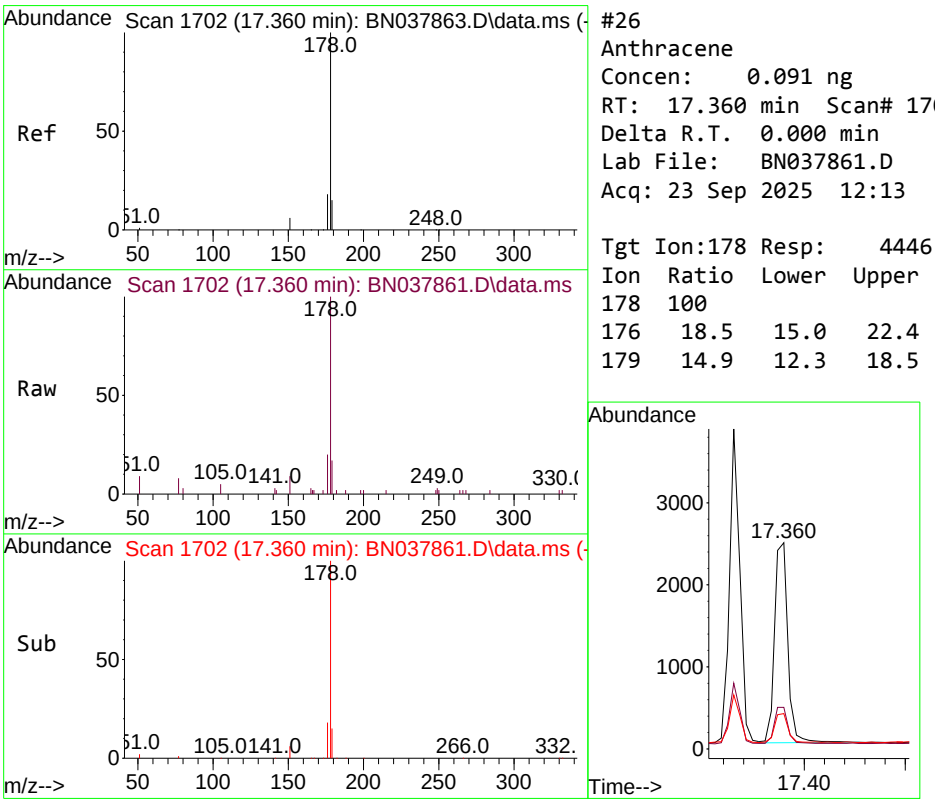


#25
Phenanthrene
Concen: 0.099 ng
RT: 17.260 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037861.D
Acq: 23 Sep 2025 12:13

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:178 Resp: 5595

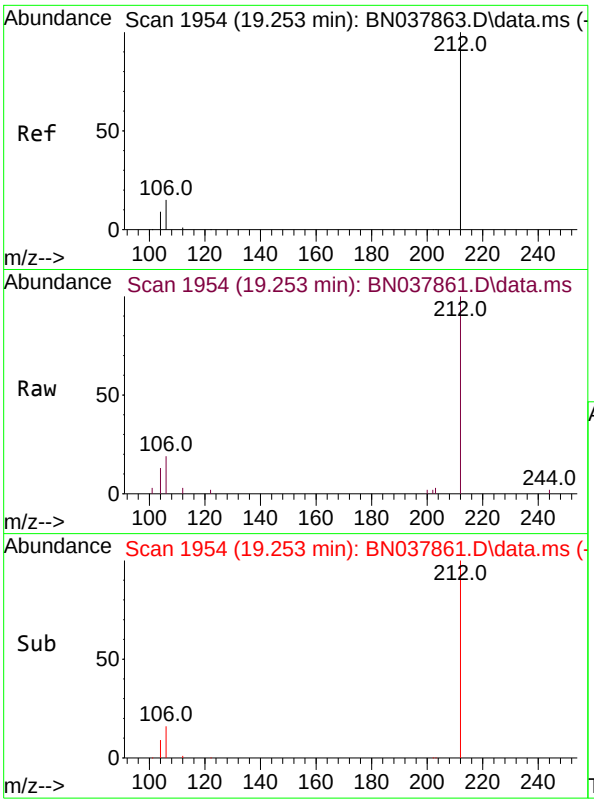
Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.7	23.5
179	16.2	12.3	18.5



#26
Anthracene
Concen: 0.091 ng
RT: 17.360 min Scan# 1702
Delta R.T. 0.000 min
Lab File: BN037861.D
Acq: 23 Sep 2025 12:13

Tgt Ion:178 Resp: 4446

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.0	22.4
179	14.9	12.3	18.5

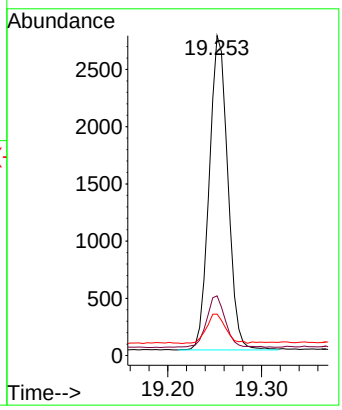


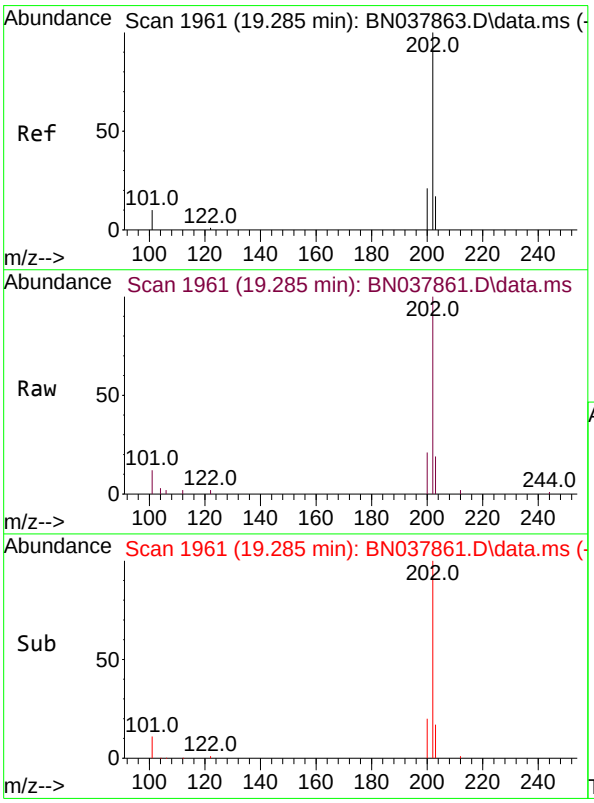
#27
Fluoranthene-d10
Concen: 0.087 ng
RT: 19.253 min Scan# 19
Delta R.T. -0.000 min
Lab File: BN037861.D
Acq: 23 Sep 2025 12:13

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:212 Resp: 3783

Ion	Ratio	Lower	Upper
212	100		
106	16.8	12.6	19.0
104	9.7	7.4	11.0

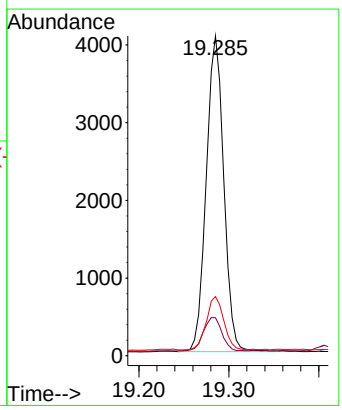


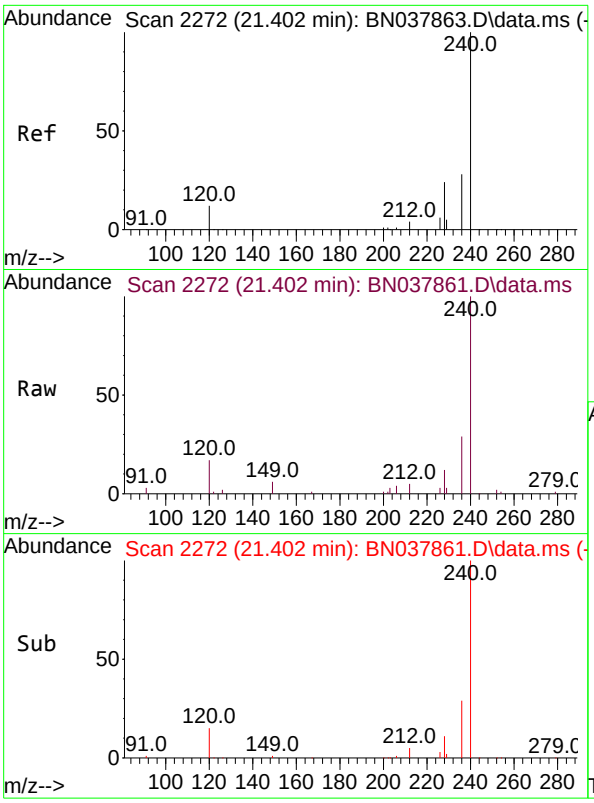


#28
Fluoranthene
Concen: 0.088 ng
RT: 19.285 min Scan# 1961
Delta R.T. -0.000 min
Lab File: BN037861.D
Acq: 23 Sep 2025 12:13

Tgt Ion:202 Resp: 5493

Ion	Ratio	Lower	Upper
202	100		
101	11.3	9.3	13.9
203	16.8	13.6	20.4



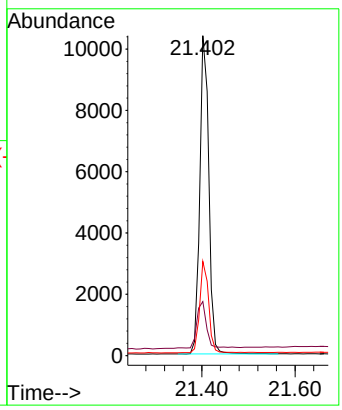


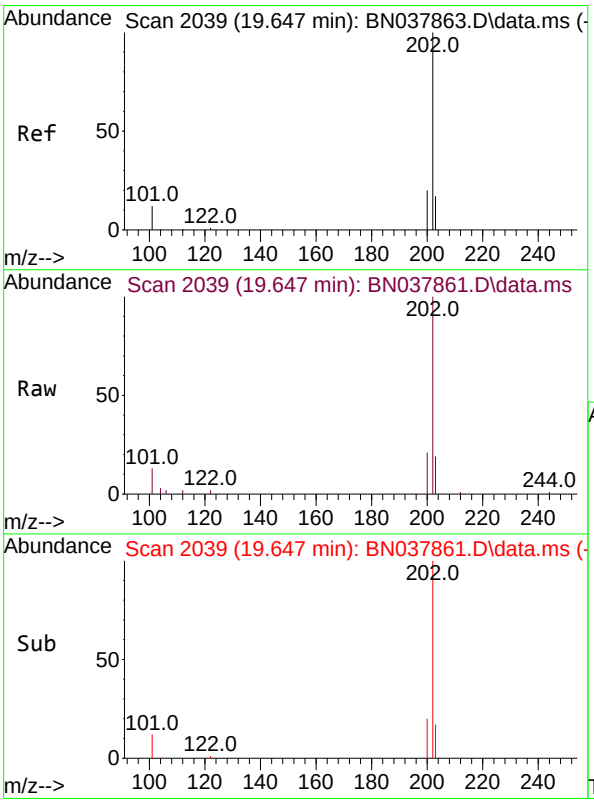
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.402 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037861.D
Acq: 23 Sep 2025 12:13

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:240 Resp: 13854

Ion	Ratio	Lower	Upper
240	100		
120	16.9	11.4	17.2
236	29.4	23.0	34.6

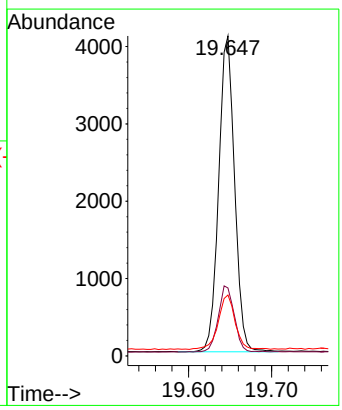


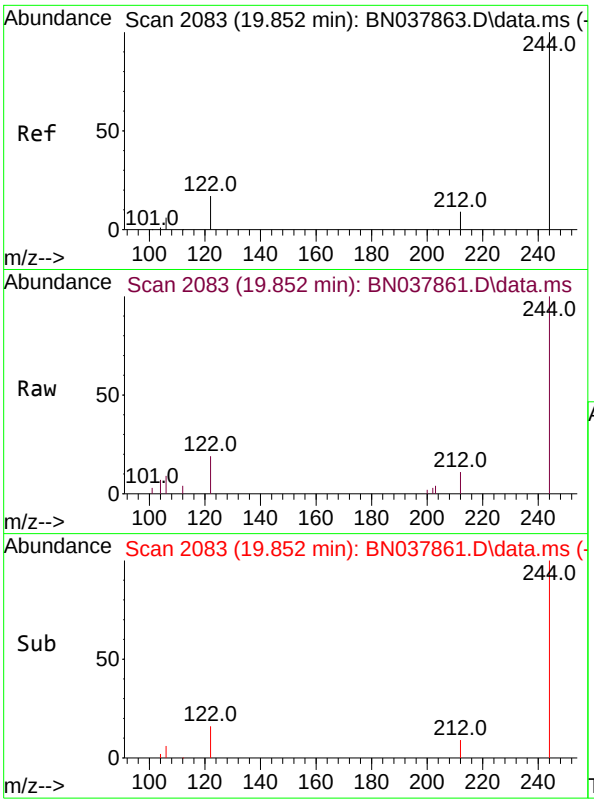


#30
Pyrene
Concen: 0.100 ng
RT: 19.647 min Scan# 2039
Delta R.T. 0.000 min
Lab File: BN037861.D
Acq: 23 Sep 2025 12:13

Tgt Ion:202 Resp: 5458

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.7	25.1
203	18.2	14.2	21.4



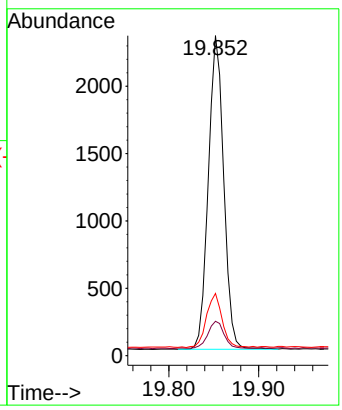


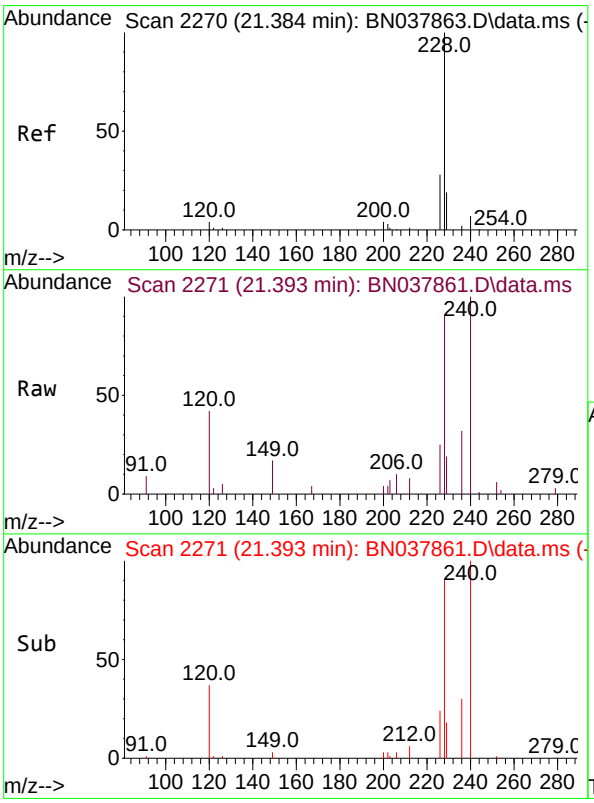
#31
Terphenyl-d14
Concen: 0.100 ng
RT: 19.852 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037861.D
Acq: 23 Sep 2025 12:13

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:244 Resp: 2766

Ion	Ratio	Lower	Upper
244	100		
212	10.7	7.6	11.4
122	19.4	13.9	20.9

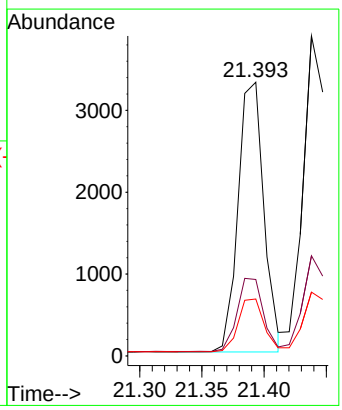


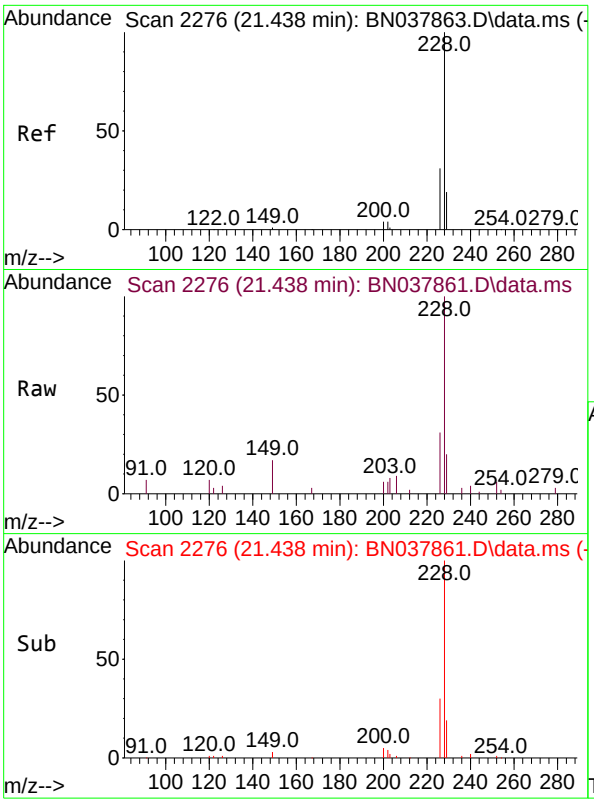


#32
Benzo(a)anthracene
Concen: 0.098 ng
RT: 21.393 min Scan# 2271
Delta R.T. 0.009 min
Lab File: BN037861.D
Acq: 23 Sep 2025 12:13

Tgt Ion:228 Resp: 4766

Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.6	33.8
229	20.8	15.6	23.4



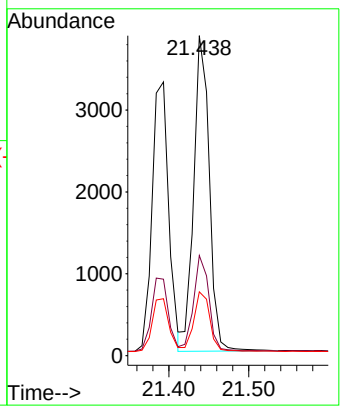


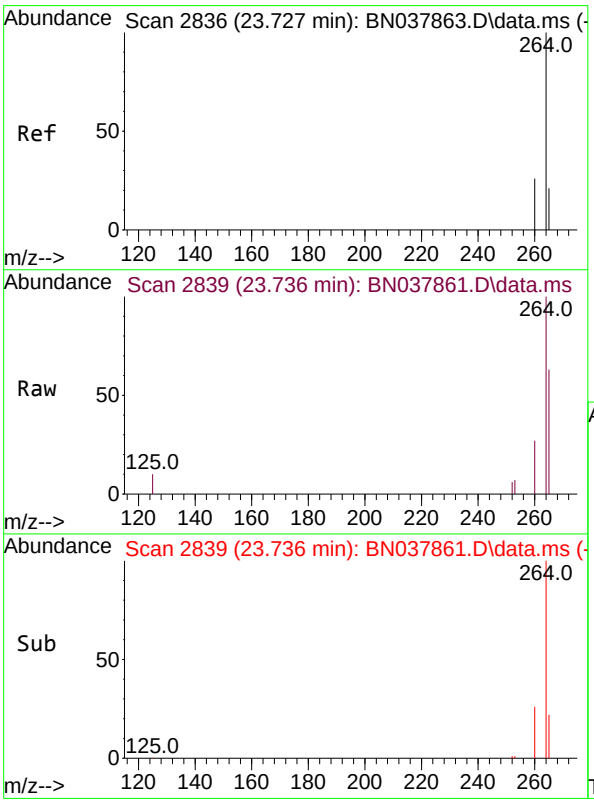
#33
Chrysene
Concen: 0.100 ng
RT: 21.438 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037861.D
Acq: 23 Sep 2025 12:13

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:228 Resp: 5223

Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.6	37.0
229	19.9	15.6	23.4

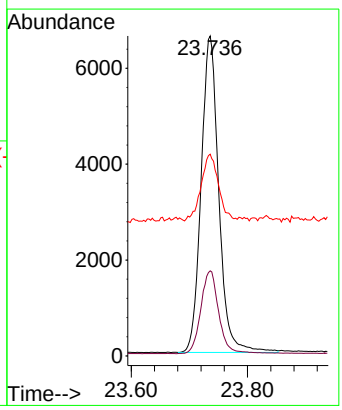


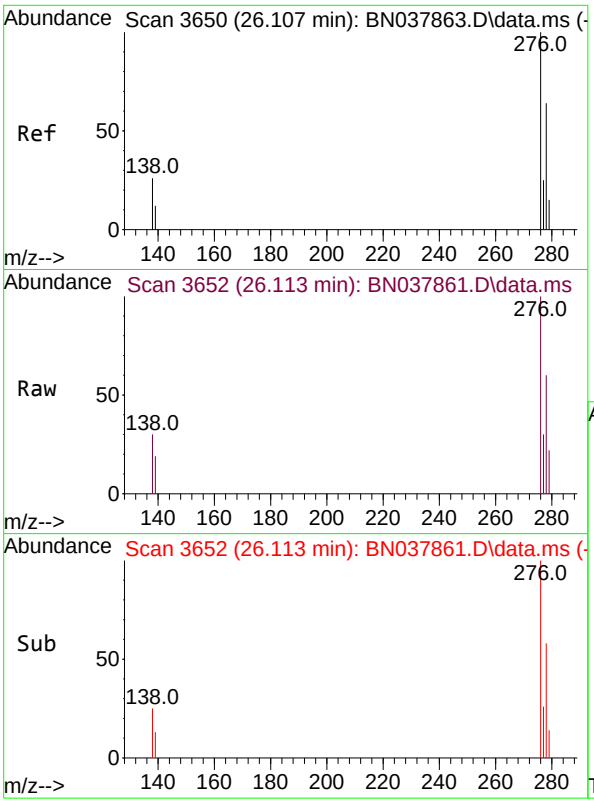


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.736 min Scan# 2839
Delta R.T. 0.009 min
Lab File: BN037861.D
Acq: 23 Sep 2025 12:13

Tgt Ion:264 Resp: 13928

Ion	Ratio	Lower	Upper
264	100		
260	26.6	21.5	32.3
265	63.0	53.8	80.6



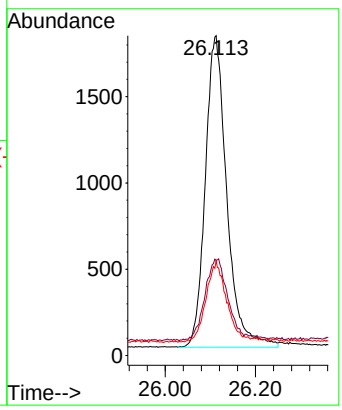


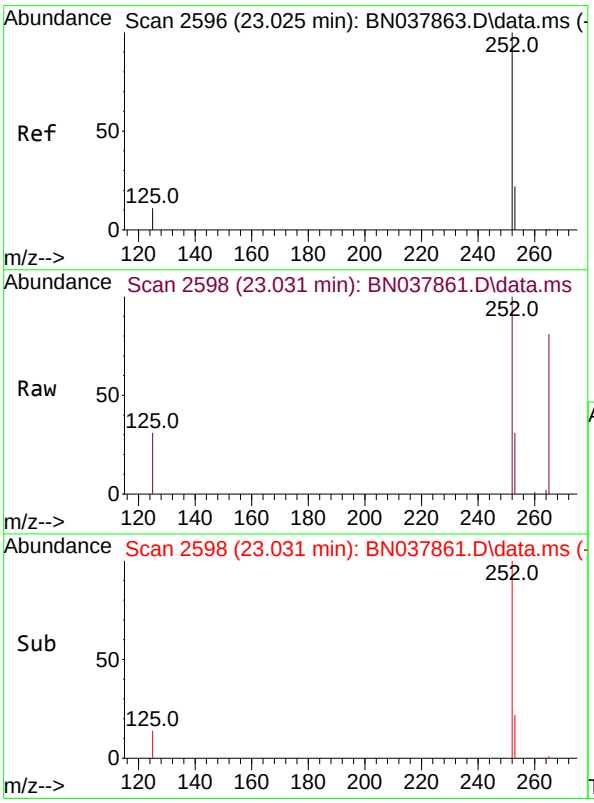
#36
Indeno(1,2,3-cd)pyrene
Concen: 0.094 ng
RT: 26.113 min Scan# 3
Delta R.T. 0.006 min
Lab File: BN037861.D
Acq: 23 Sep 2025 12:13

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:276 Resp: 5972

Ion	Ratio	Lower	Upper
276	100		
138	27.9	21.4	32.0
277	24.6	20.3	30.5

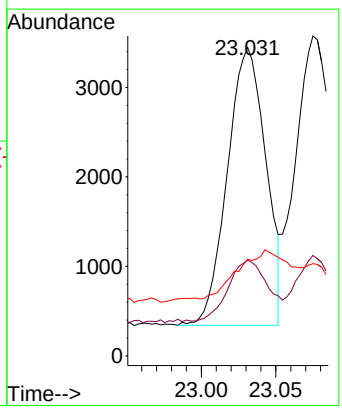


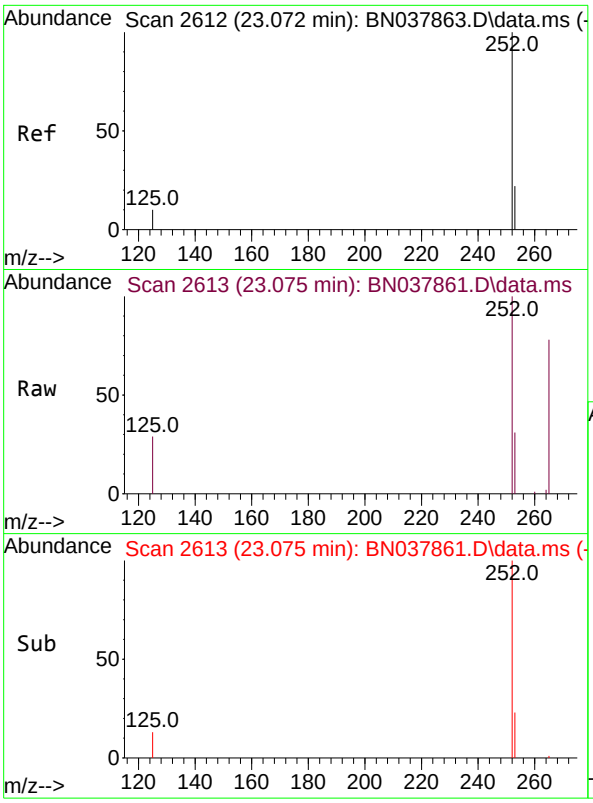


#37
Benzo(b)fluoranthene
Concen: 0.093 ng
RT: 23.031 min Scan# 2598
Delta R.T. 0.006 min
Lab File: BN037861.D
Acq: 23 Sep 2025 12:13

Tgt Ion:252 Resp: 5567

Ion	Ratio	Lower	Upper
252	100		
253	31.0	19.4	29.0#
125	31.3	13.0	19.4#



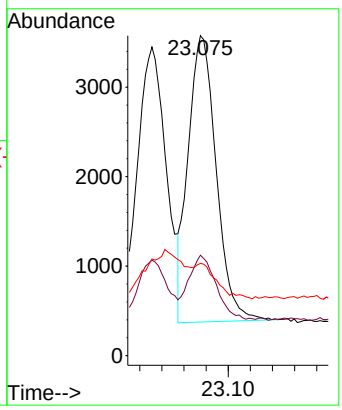


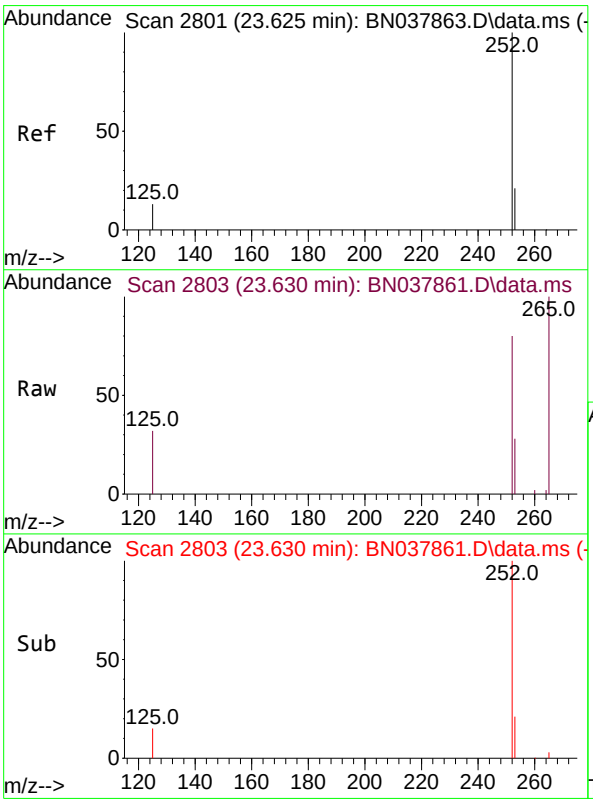
#38
Benzo(k)fluoranthene
Concen: 0.093 ng
RT: 23.075 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN037861.D
Acq: 23 Sep 2025 12:13

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:252 Resp: 5642

Ion	Ratio	Lower	Upper
252	100		
253	31.4	19.5	29.3#
125	28.8	13.0	19.4#

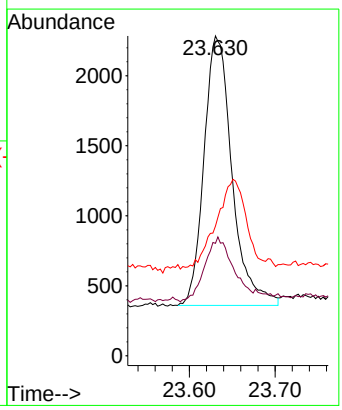


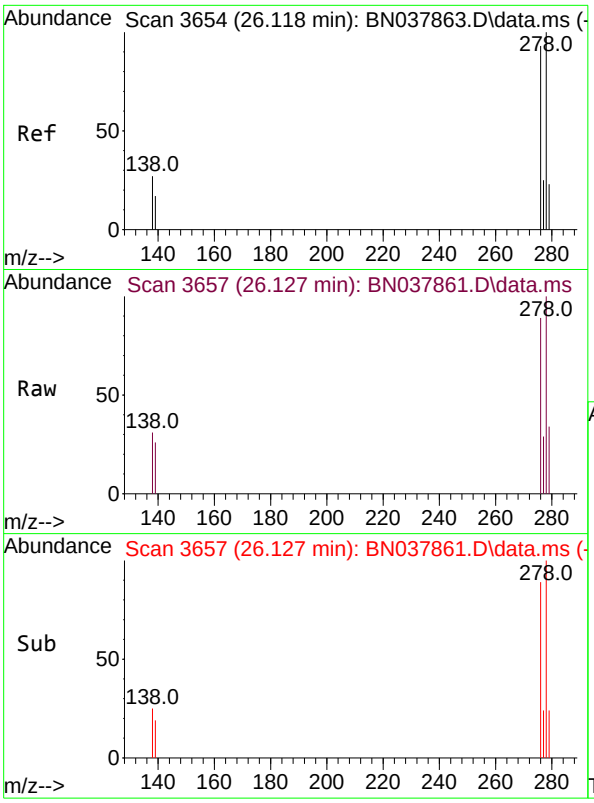


#39
Benzo(a)pyrene
Concen: 0.092 ng
RT: 23.630 min Scan# 2803
Delta R.T. 0.006 min
Lab File: BN037861.D
Acq: 23 Sep 2025 12:13

Tgt Ion:252 Resp: 4368

Ion	Ratio	Lower	Upper
252	100		
253	35.2	20.6	30.8#
125	40.6	16.7	25.1#



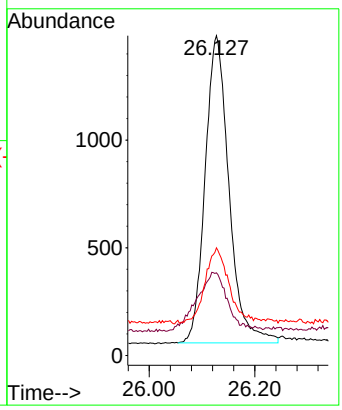


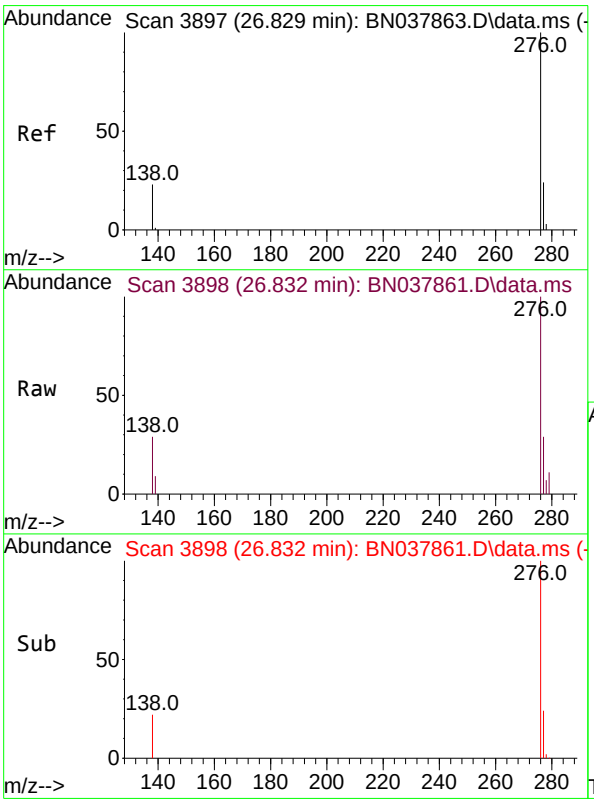
#40
Dibenzo(a,h)anthracene
Concen: 0.090 ng
RT: 26.127 min Scan# 3
Delta R.T. 0.009 min
Lab File: BN037861.D
Acq: 23 Sep 2025 12:13

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:278 Resp: 4476

Ion	Ratio	Lower	Upper
278	100		
139	25.9	15.4	23.2#
279	33.7	20.8	31.2#

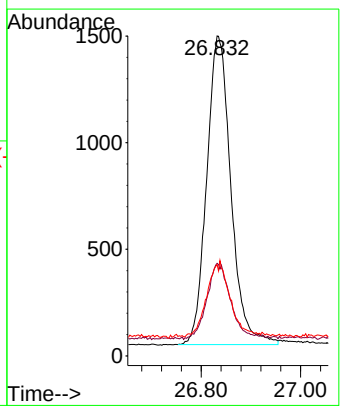




#41
Benzo(g,h,i)perylene
Concen: 0.094 ng
RT: 26.832 min Scan# 3898
Delta R.T. 0.003 min
Lab File: BN037861.D
Acq: 23 Sep 2025 12:13

Tgt Ion:276 Resp: 4900

Ion	Ratio	Lower	Upper
276	100		
277	28.9	20.2	30.4
138	28.5	19.8	29.8



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092325\
Data File : BN037862.D
Acq On : 23 Sep 2025 12:49
Operator : RC/JU
Sample : SSTDICC0.2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Quant Time: Sep 23 16:21:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 23 16:17:53 2025
Response via : Initial Calibration

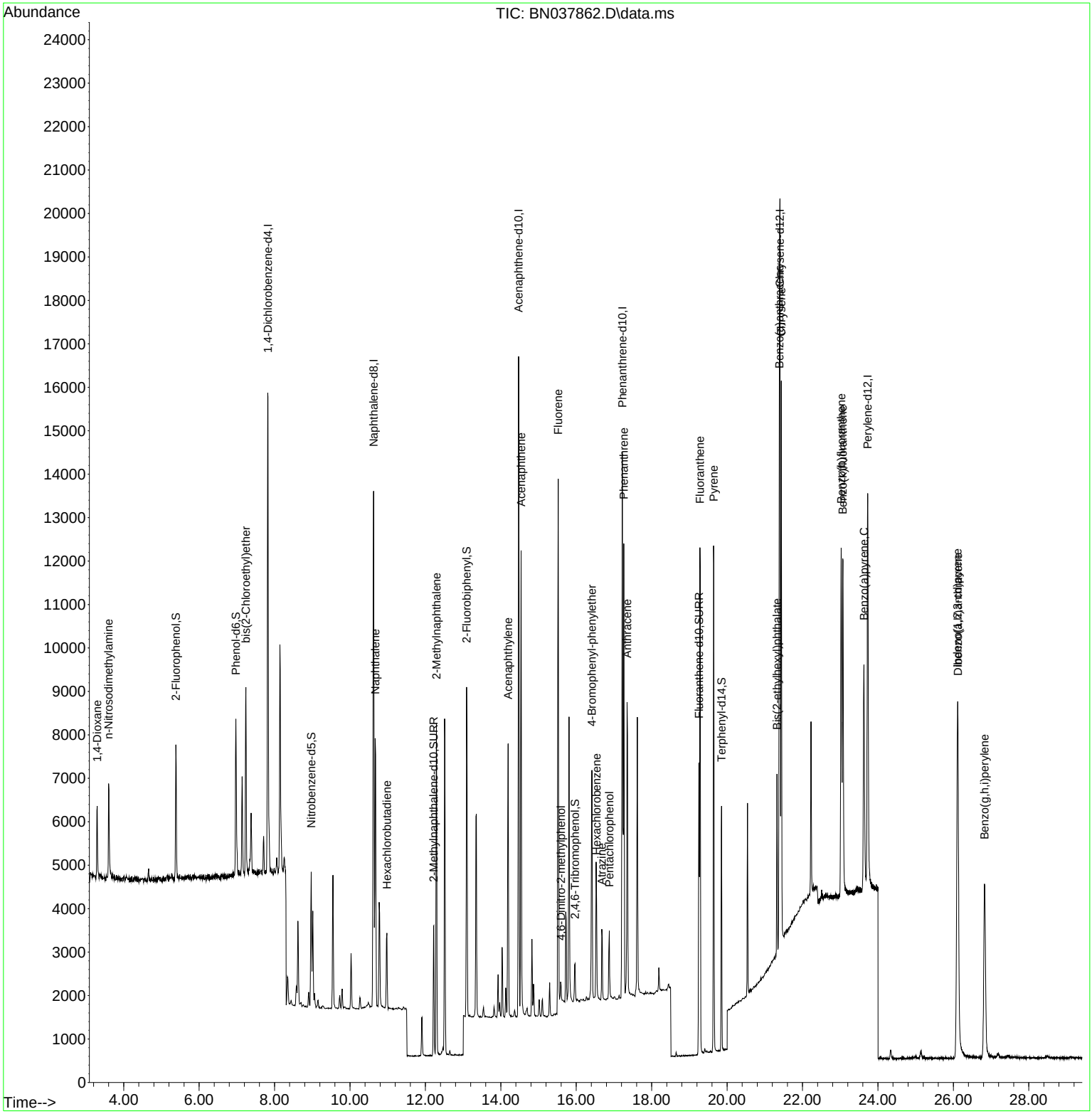
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.826	152	5544	0.400	ng		0.00
7) Naphthalene-d8	10.626	136	15739	0.400	ng		0.00
13) Acenaphthene-d10	14.473	164	8069	0.400	ng		0.00
19) Phenanthrene-d10	17.223	188	15912	0.400	ng		0.00
29) Chrysene-d12	21.402	240	13158	0.400	ng		0.00
35) Perylene-d12	23.730	264	12974	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.384	112	2553	0.202	ng		0.00
5) Phenol-d6	6.973	99	3326	0.200	ng		0.00
8) Nitrobenzene-d5	8.971	82	2278	0.190	ng		0.00
11) 2-Methylnaphthalene-d10	12.217	152	4078	0.187	ng		0.00
14) 2,4,6-Tribromophenol	15.969	330	573	0.176	ng		0.00
15) 2-Fluorobiphenyl	13.094	172	6579	0.199	ng		0.00
27) Fluoranthene-d10	19.253	212	7304	0.182	ng		0.00
31) Terphenyl-d14	19.852	244	5201	0.198	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.297	88	1144	0.203	ng		97
3) n-Nitrosodimethylamine	3.601	42	1500	0.200	ng	#	94
6) bis(2-Chloroethyl)ether	7.241	93	3039	0.197	ng		98
9) Naphthalene	10.669	128	8573	0.198	ng		99
10) Hexachlorobutadiene	10.979	225	1450	0.196	ng	#	99
12) 2-Methylnaphthalene	12.293	142	5361	0.189	ng		100
16) Acenaphthylene	14.195	152	6943	0.190	ng		99
17) Acenaphthene	14.537	154	4963	0.190	ng		98
18) Fluorene	15.523	166	5870	0.186	ng		99
20) 4,6-Dinitro-2-methylph...	15.597	198	325	0.230	ng	#	64
21) 4-Bromophenyl-phenylether	16.416	248	1965	0.190	ng		97
22) Hexachlorobenzene	16.540	284	2483	0.198	ng		99
23) Atrazine	16.677	200	1442	0.183	ng	#	89
24) Pentachlorophenol	16.876	266	804	0.186	ng		99
25) Phenanthrene	17.260	178	10109	0.193	ng		99
26) Anthracene	17.347	178	8235	0.181	ng		99
28) Fluoranthene	19.280	202	10466	0.181	ng		100
30) Pyrene	19.643	202	10528	0.203	ng		100
32) Benzo(a)anthracene	21.384	228	8943	0.194	ng		99
33) Chrysene	21.438	228	10042	0.202	ng		99
34) Bis(2-ethylhexyl)phtha...	21.322	149	3892	0.214	ng	#	100
36) Indeno(1,2,3-cd)pyrene	26.110	276	10845	0.183	ng		99
37) Benzo(b)fluoranthene	23.025	252	10420	0.186	ng	#	91
38) Benzo(k)fluoranthene	23.069	252	10290	0.183	ng	#	93
39) Benzo(a)pyrene	23.628	252	8405	0.190	ng	#	88
40) Dibenzo(a,h)anthracene	26.121	278	8321	0.180	ng		92
41) Benzo(g,h,i)perylene	26.826	276	8956	0.184	ng		97

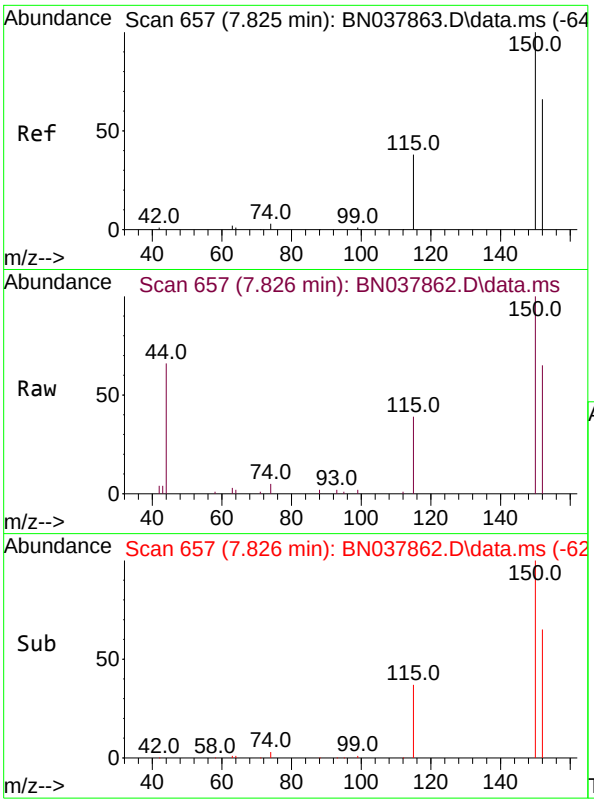
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092325\
Data File : BN037862.D
Acq On : 23 Sep 2025 12:49
Operator : RC/JU
Sample : SSTDICC0.2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Quant Time: Sep 23 16:21:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 23 16:17:53 2025
Response via : Initial Calibration



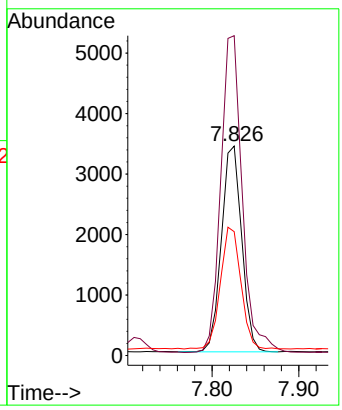


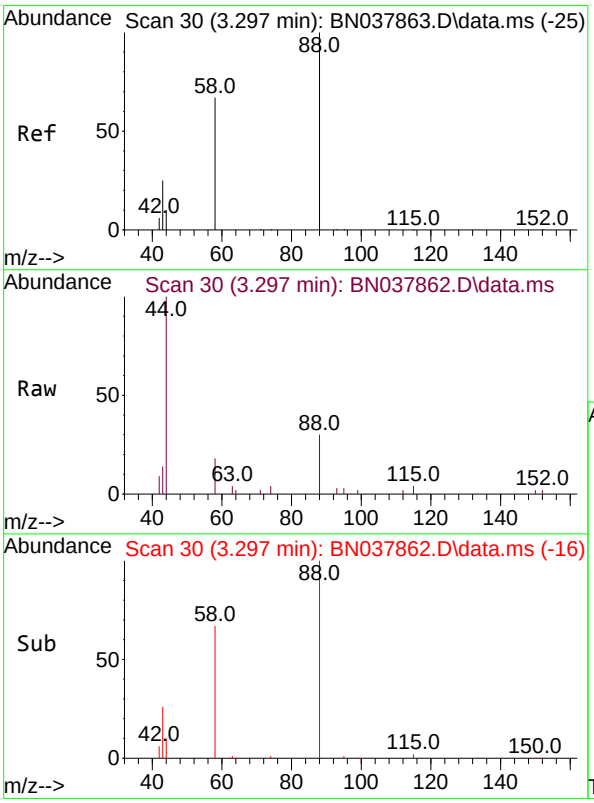
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.826 min Scan# 6
Delta R.T. 0.001 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:152 Resp: 5544

Ion	Ratio	Lower	Upper
152	100		
150	152.7	121.0	181.4
115	59.1	47.4	71.0

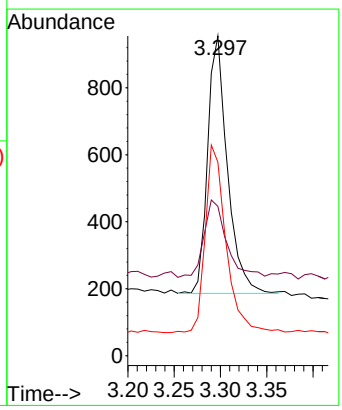


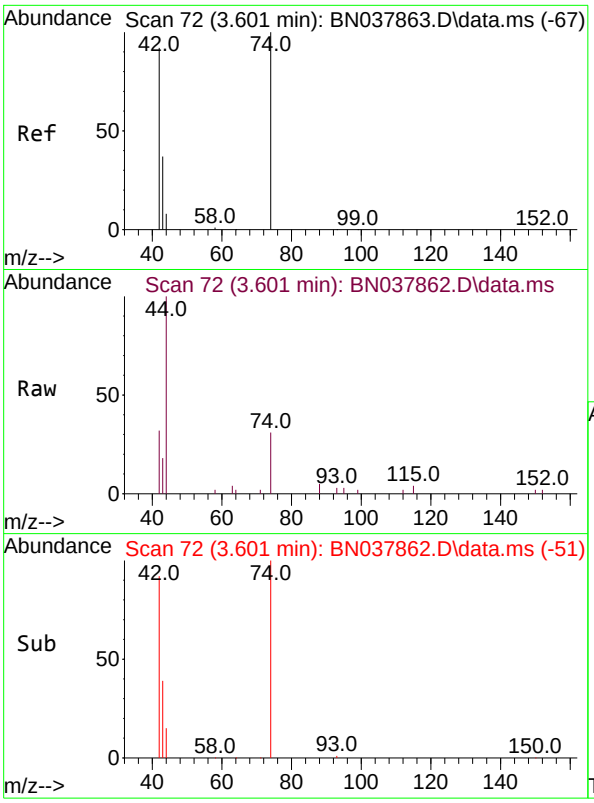


#2
1,4-Dioxane
Concen: 0.203 ng
RT: 3.297 min Scan# 30
Delta R.T. 0.000 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

Tgt Ion: 88 Resp: 1144

Ion	Ratio	Lower	Upper
88	100		
43	34.1	26.6	39.8
58	76.4	58.9	88.3



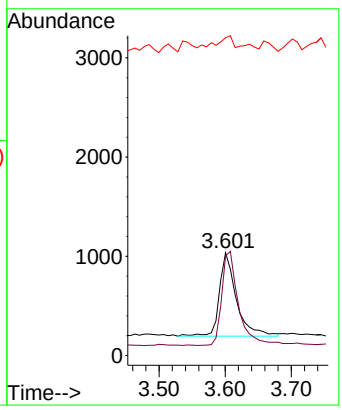


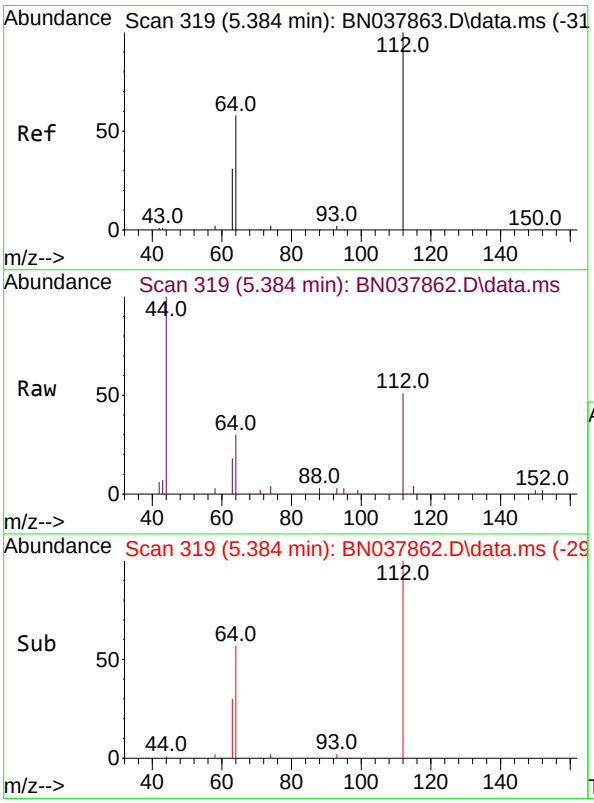
#3
n-Nitrosodimethylamine
Concen: 0.200 ng
RT: 3.601 min Scan# 7
Delta R.T. 0.000 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion: 42 Resp: 1500

Ion	Ratio	Lower	Upper
42	100		
74	112.1	93.4	140.0
44	20.9	22.2	33.4#

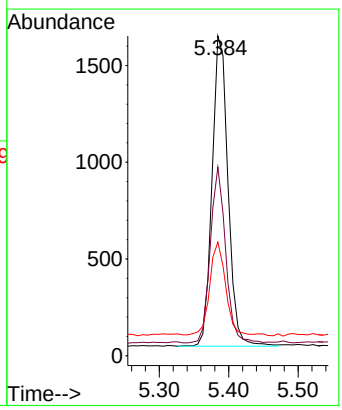


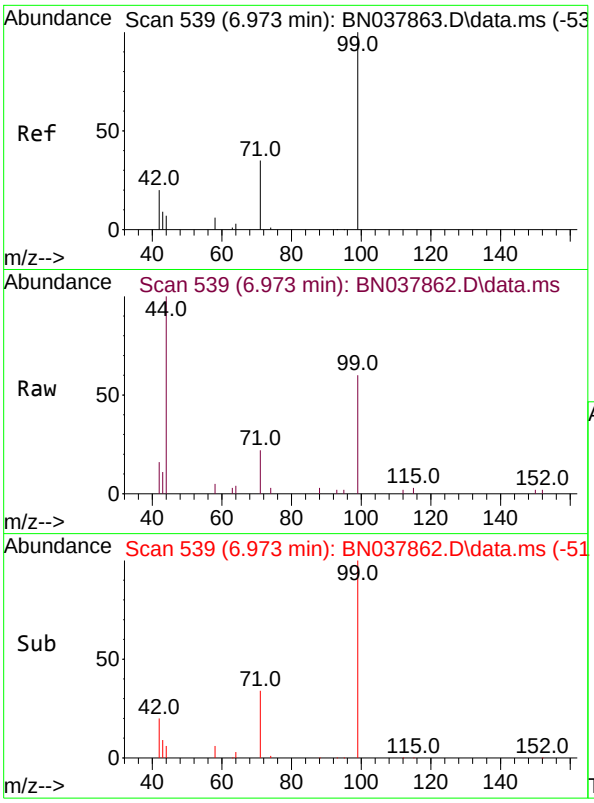


#4
2-Fluorophenol
Concen: 0.202 ng
RT: 5.384 min Scan# 319
Delta R.T. 0.000 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

Tgt Ion:112 Resp: 2553

Ion	Ratio	Lower	Upper
112	100		
64	54.6	44.6	66.8
63	30.9	24.9	37.3



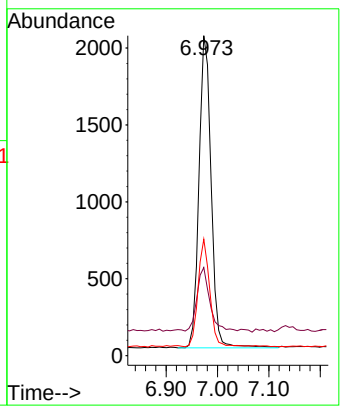


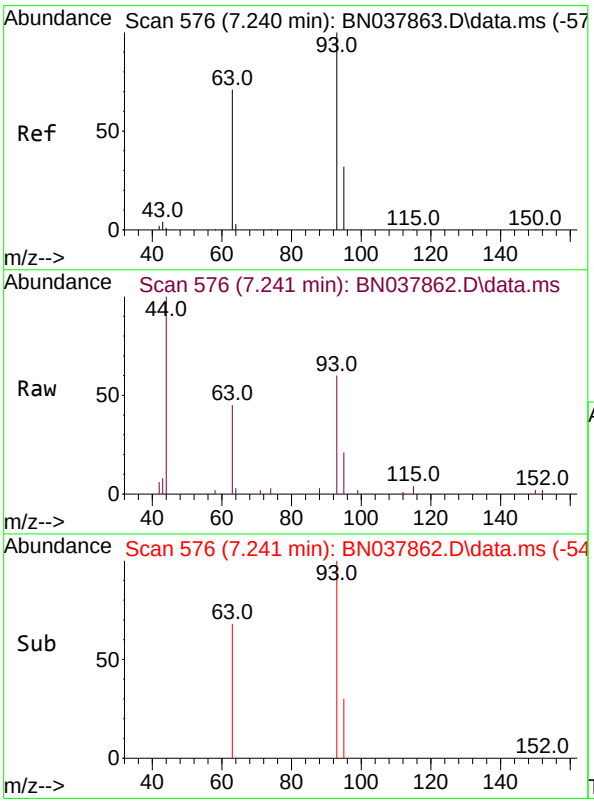
#5
Phenol-d6
Concen: 0.200 ng
RT: 6.973 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion: 99 Resp: 3326

Ion	Ratio	Lower	Upper
99	100		
42	21.3	17.2	25.8
71	33.3	27.3	40.9

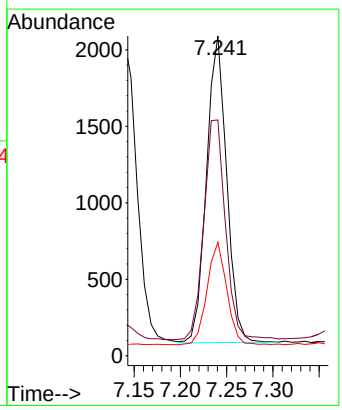


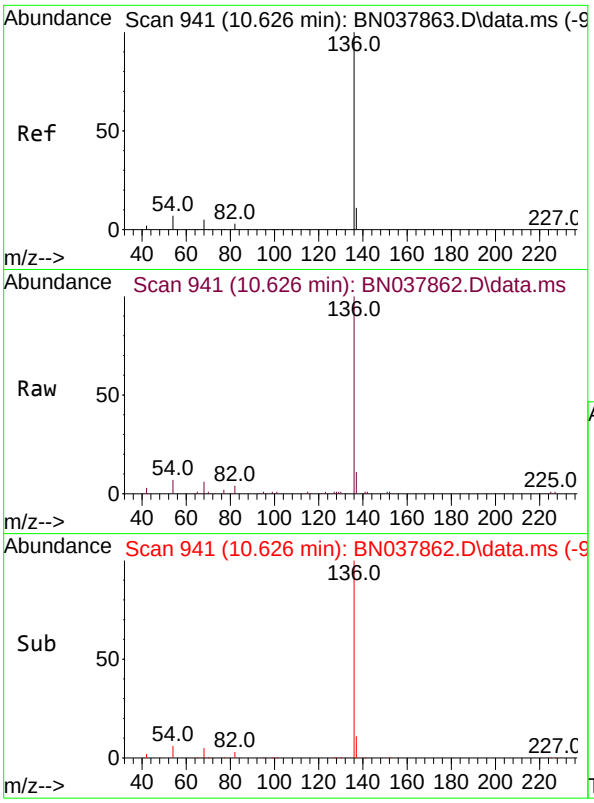


#6
bis(2-Chloroethyl)ether
Concen: 0.197 ng
RT: 7.241 min Scan# 576
Delta R.T. 0.000 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

Tgt Ion: 93 Resp: 3039

Ion	Ratio	Lower	Upper
93	100		
63	77.1	60.1	90.1
95	33.0	25.4	38.2



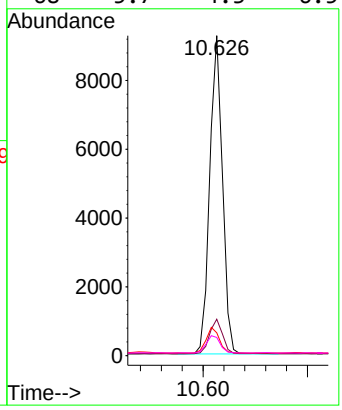


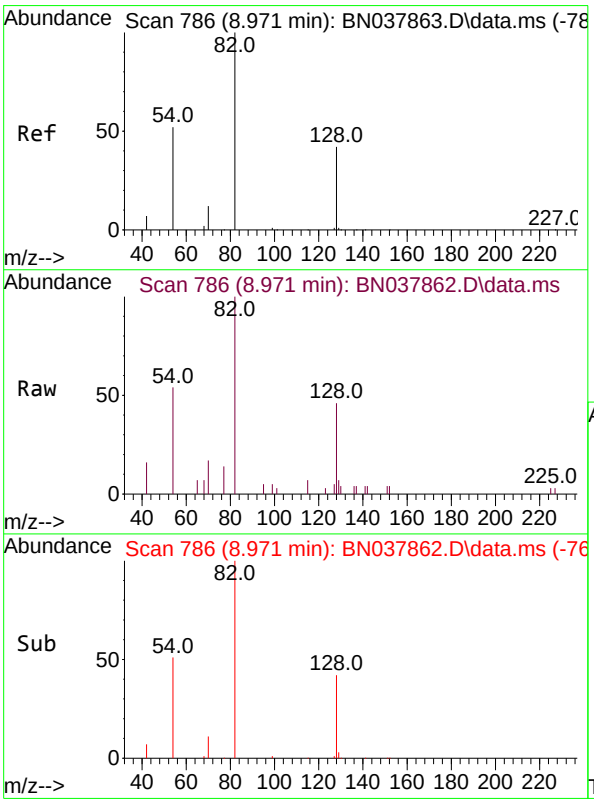
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.626 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:136 Resp: 15739

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.0	13.4
54	7.1	5.8	8.8
68	5.7	4.3	6.5

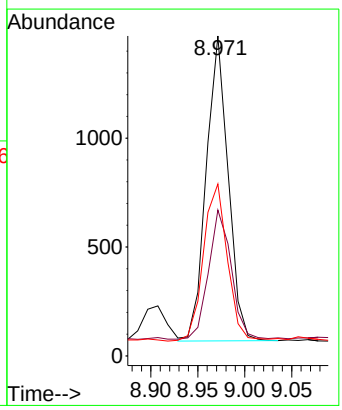


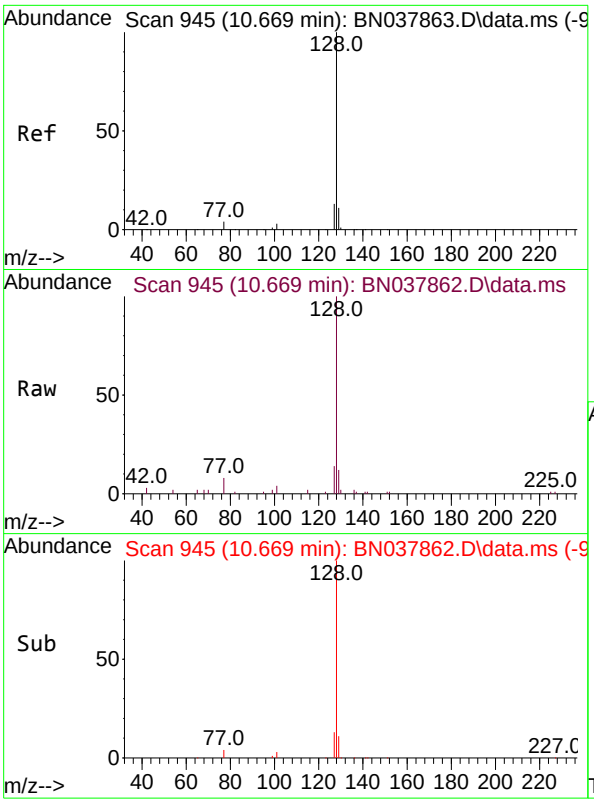


#8
Nitrobenzene-d5
Concen: 0.190 ng
RT: 8.971 min Scan# 786
Delta R.T. 0.000 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

Tgt Ion: 82 Resp: 2278

Ion	Ratio	Lower	Upper
82	100		
128	45.6	34.8	52.2
54	53.7	42.2	63.2



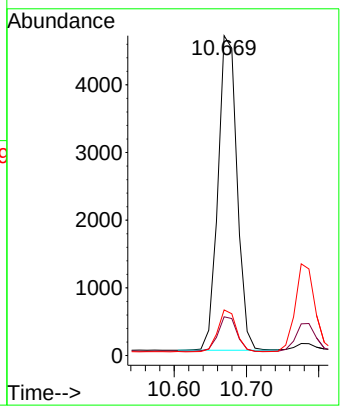


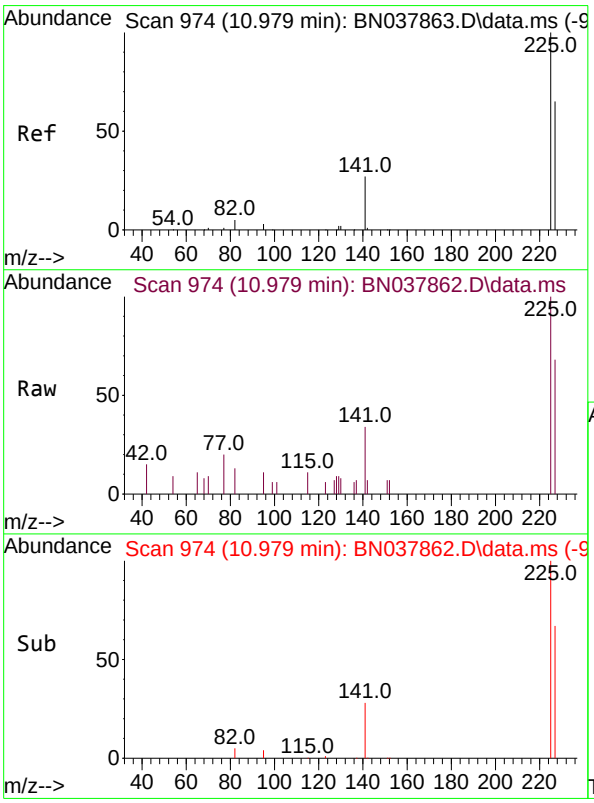
#9
Naphthalene
Concen: 0.198 ng
RT: 10.669 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:128 Resp: 8573

Ion	Ratio	Lower	Upper
128	100		
129	12.1	9.2	13.8
127	14.3	11.0	16.6

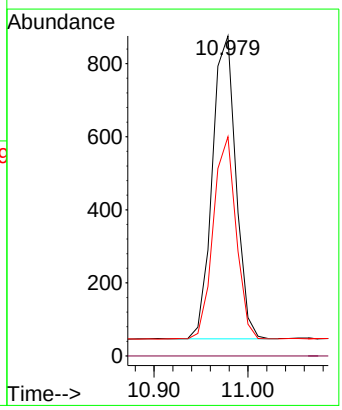


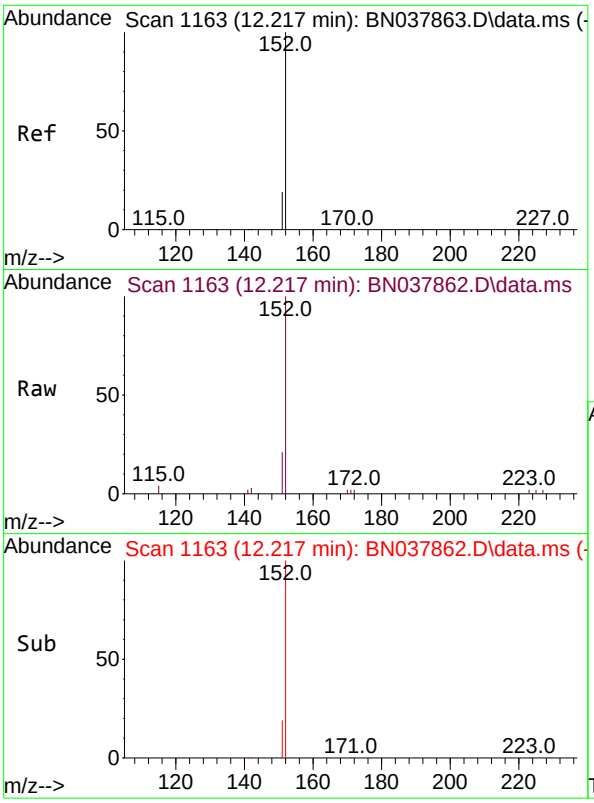


#10
Hexachlorobutadiene
Concen: 0.196 ng
RT: 10.979 min Scan# 974
Delta R.T. 0.000 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

Tgt Ion:225 Resp: 1450

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	65.0	51.4	77.2



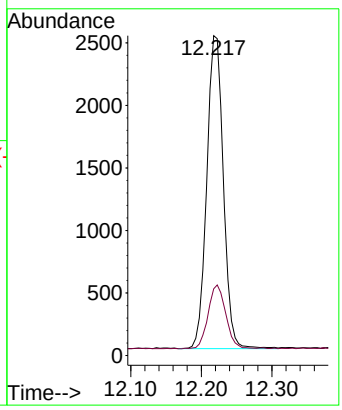


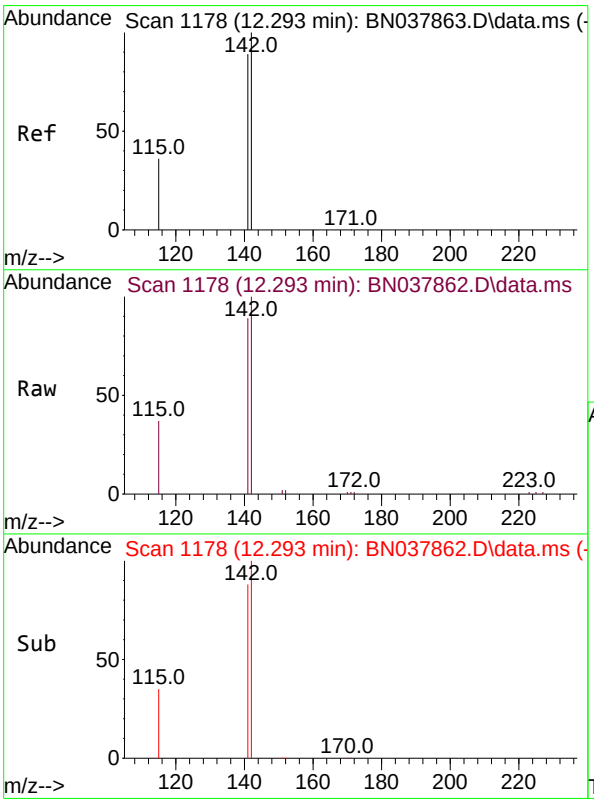
#11
2-Methylnaphthalene-d10
Concen: 0.187 ng
RT: 12.217 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:152 Resp: 4078

Ion	Ratio	Lower	Upper
152	100		
151	21.8	17.4	26.2

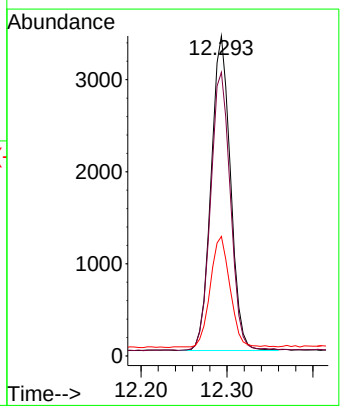


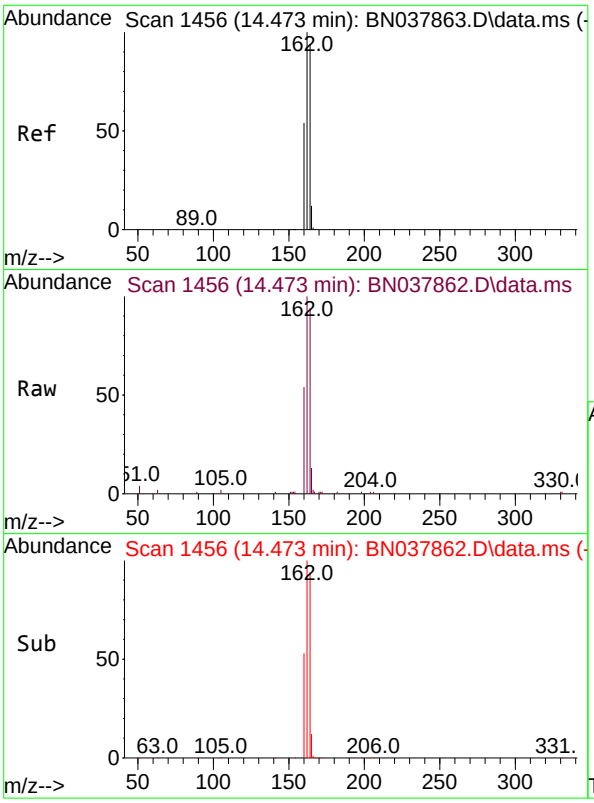


#12
2-Methylnaphthalene
Concen: 0.189 ng
RT: 12.293 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

Tgt Ion:142 Resp: 5361

Ion	Ratio	Lower	Upper
142	100		
141	88.6	71.2	106.8
115	37.3	29.7	44.5



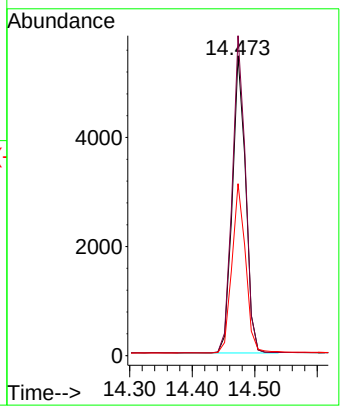


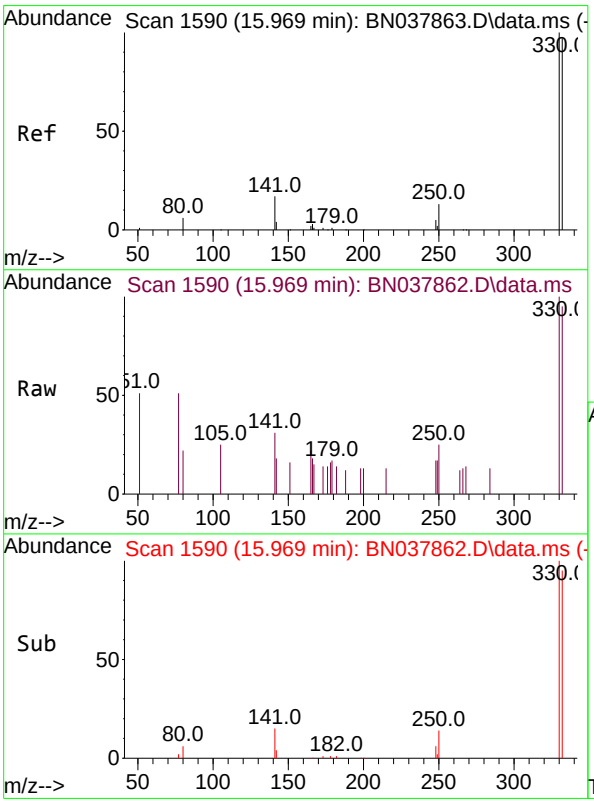
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.473 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:164 Resp: 8069

Ion	Ratio	Lower	Upper
164	100		
162	106.7	84.8	127.2
160	57.3	46.1	69.1

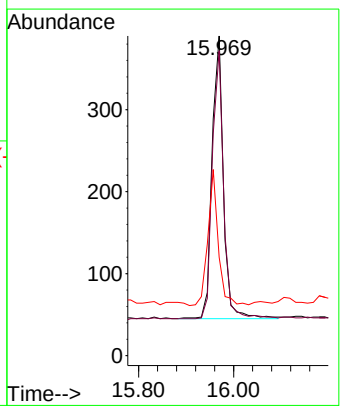


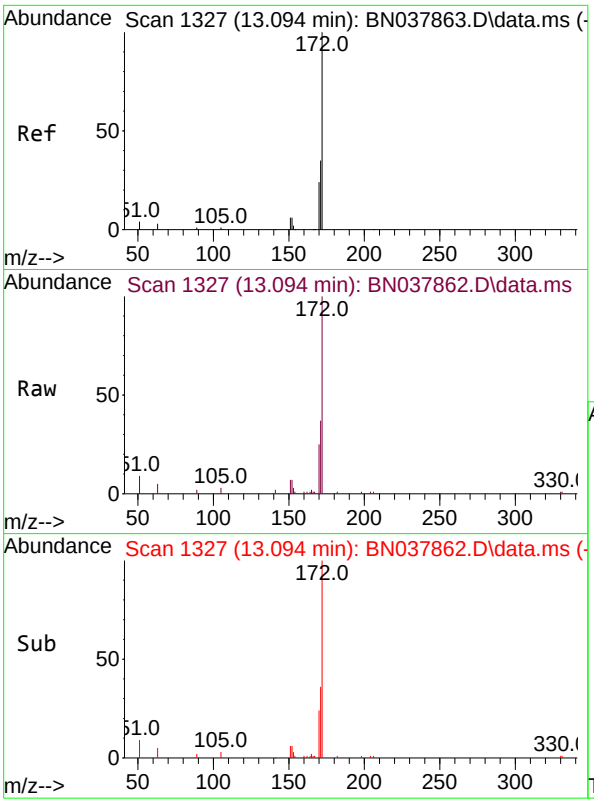


#14
2,4,6-Tribromophenol
Concen: 0.176 ng
RT: 15.969 min Scan# 1590
Delta R.T. 0.000 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

Tgt Ion:330 Resp: 573

Ion	Ratio	Lower	Upper
330	100		
332	94.2	77.2	115.8
141	44.0	37.2	55.8



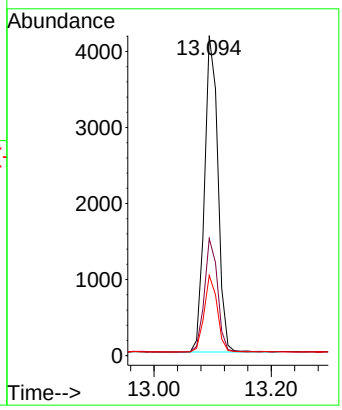


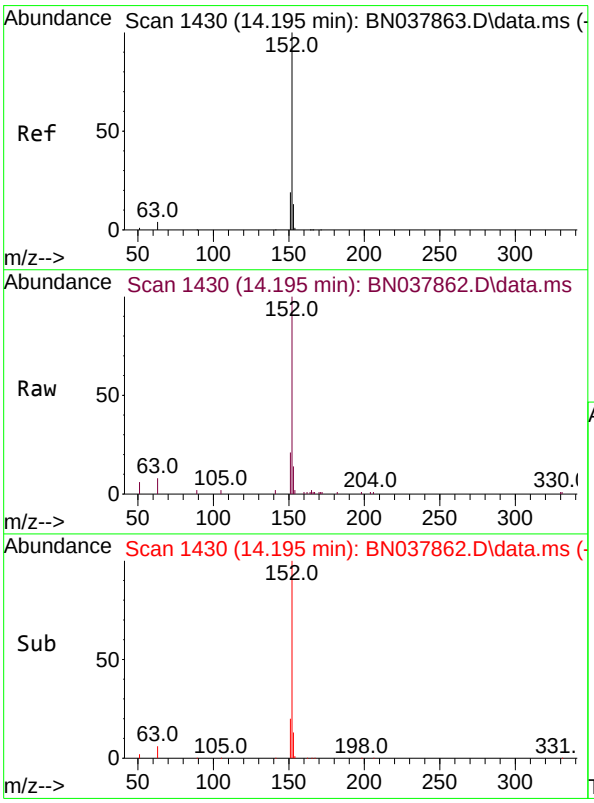
#15
2-Fluorobiphenyl
Concen: 0.199 ng
RT: 13.094 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:172 Resp: 6579

Ion	Ratio	Lower	Upper
172	100		
171	36.6	28.6	43.0
170	25.1	19.7	29.5

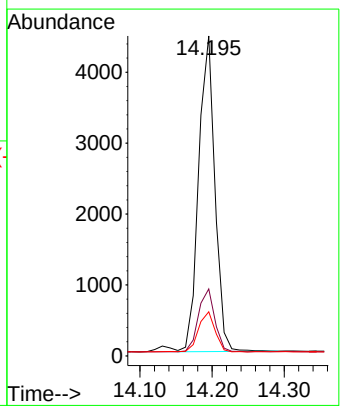


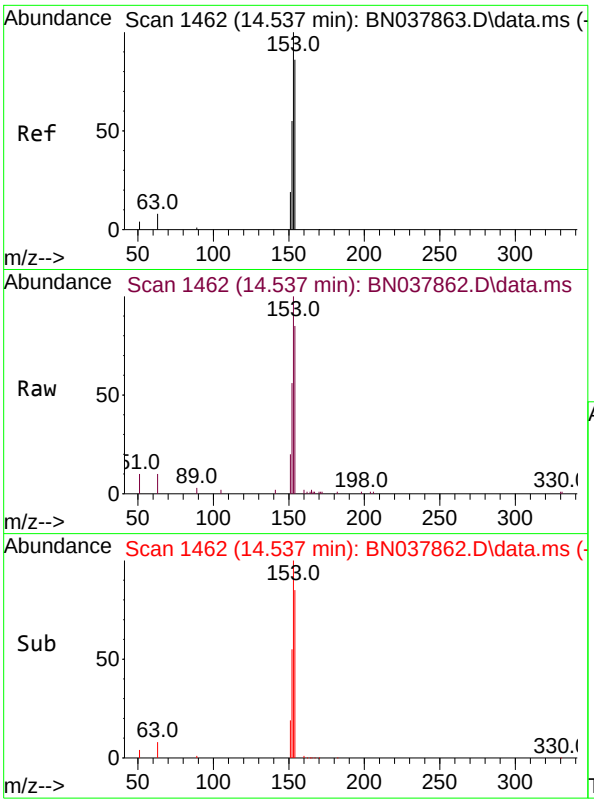


#16
Acenaphthylene
Concen: 0.190 ng
RT: 14.195 min Scan# 1430
Delta R.T. 0.000 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

Tgt Ion:152 Resp: 6943

Ion	Ratio	Lower	Upper
152	100		
151	20.4	15.8	23.8
153	13.1	10.5	15.7



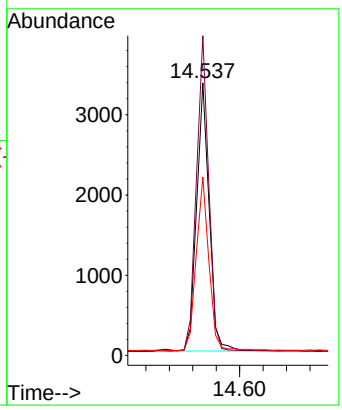


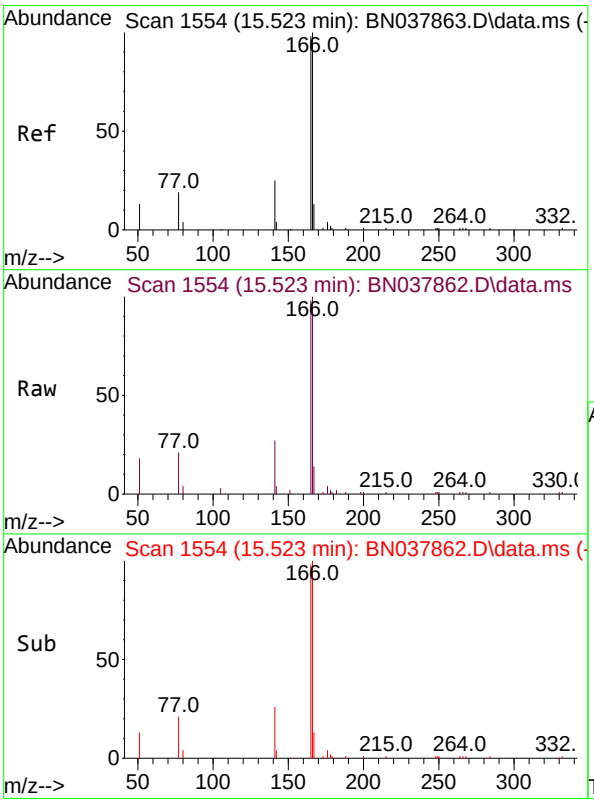
#17
Acenaphthene
Concen: 0.190 ng
RT: 14.537 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:154 Resp: 4963

Ion	Ratio	Lower	Upper
154	100		
153	115.4	90.5	135.7
152	65.5	51.8	77.8

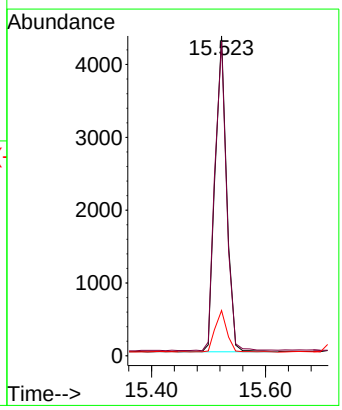


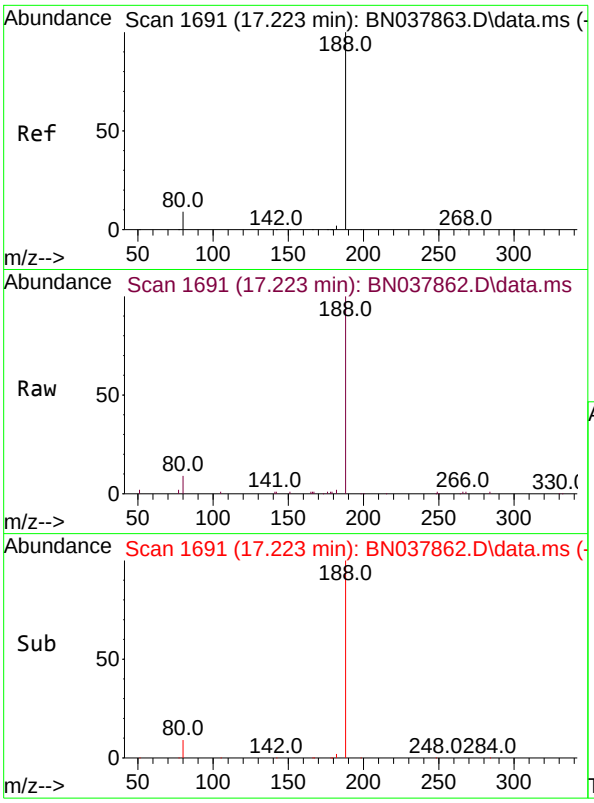


#18
Fluorene
Concen: 0.186 ng
RT: 15.523 min Scan# 1554
Delta R.T. 0.000 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

Tgt Ion:166 Resp: 5870

Ion	Ratio	Lower	Upper
166	100		
165	99.4	79.0	118.4
167	13.9	10.6	16.0



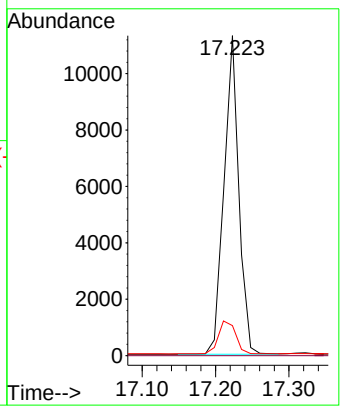


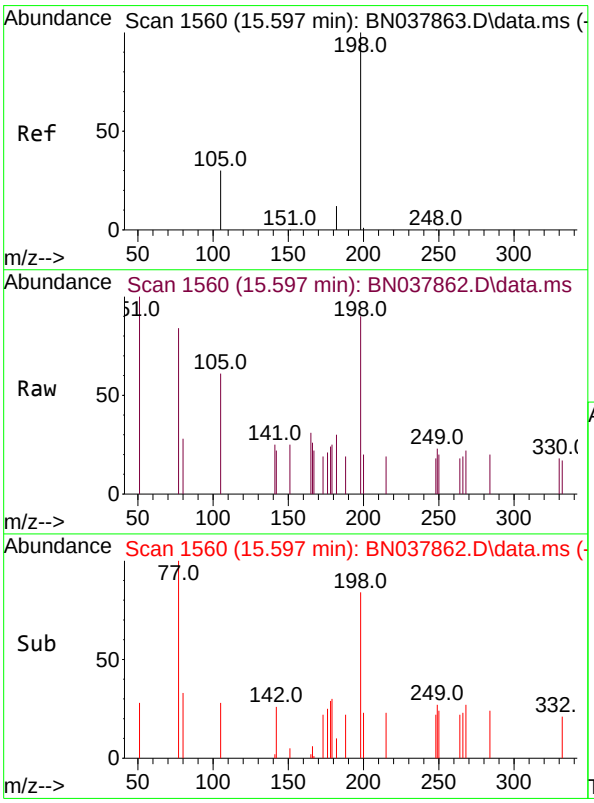
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.223 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:188 Resp: 15912

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.4	7.6	11.4

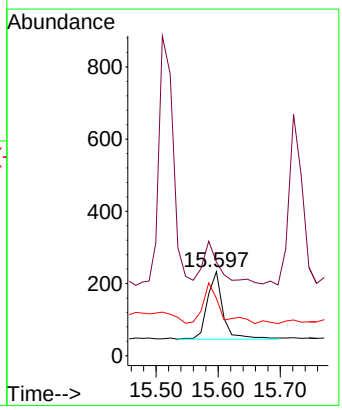


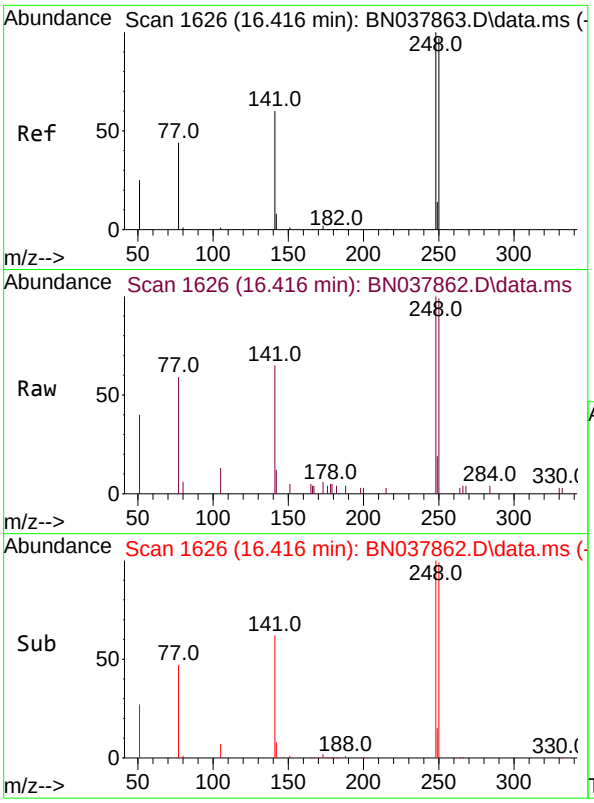


#20
4,6-Dinitro-2-methylphenol
Concen: 0.230 ng
RT: 15.597 min Scan# 1560
Delta R.T. 0.000 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

Tgt Ion:198 Resp: 325

Ion	Ratio	Lower	Upper
198	100		
51	111.2	59.1	88.7#
105	68.2	41.3	61.9#



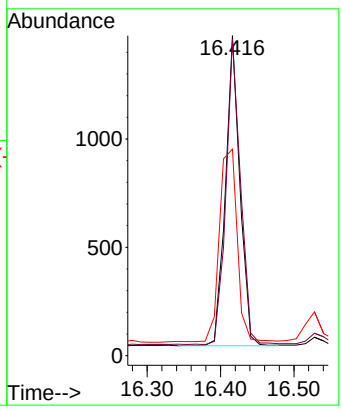


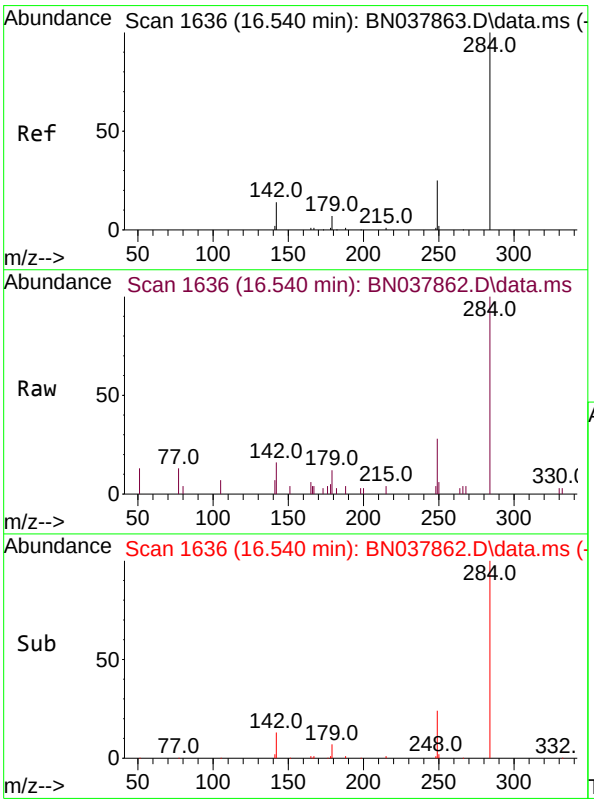
#21
4-Bromophenyl-phenylether
Concen: 0.190 ng
RT: 16.416 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:248 Resp: 1965

Ion	Ratio	Lower	Upper
248	100		
250	98.8	77.6	116.4
141	64.5	48.8	73.2

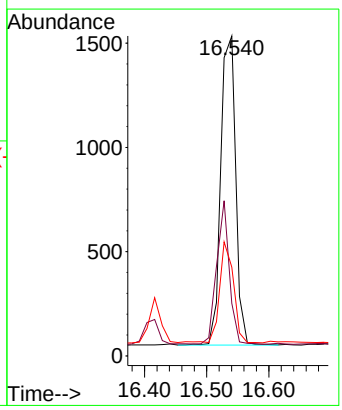


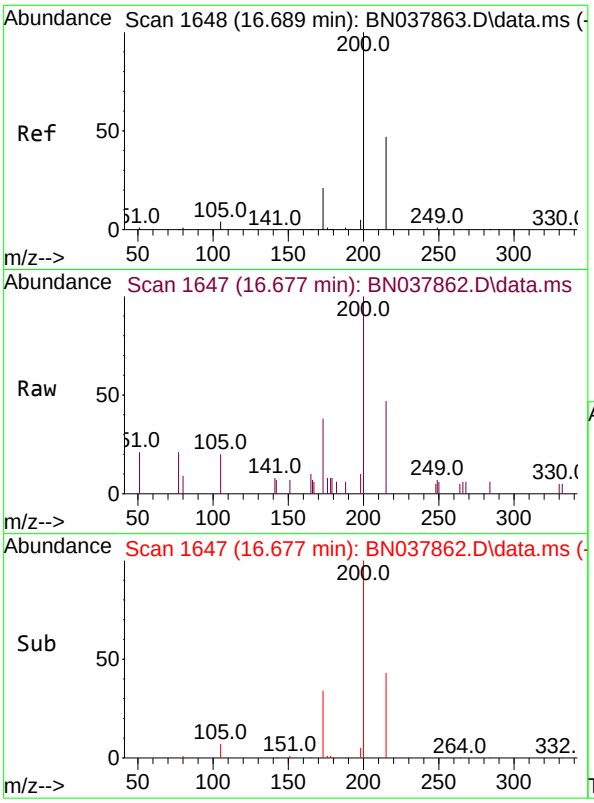


#22
Hexachlorobenzene
Concen: 0.198 ng
RT: 16.540 min Scan# 1636
Delta R.T. 0.000 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

Tgt Ion:284 Resp: 2483

Ion	Ratio	Lower	Upper
284	100		
142	39.2	30.9	46.3
249	30.3	23.9	35.9



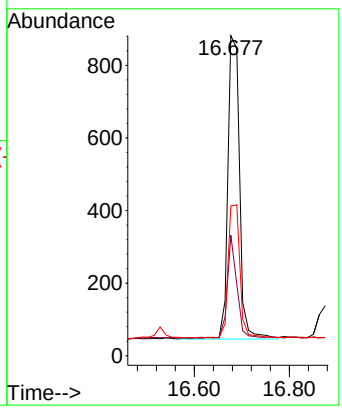


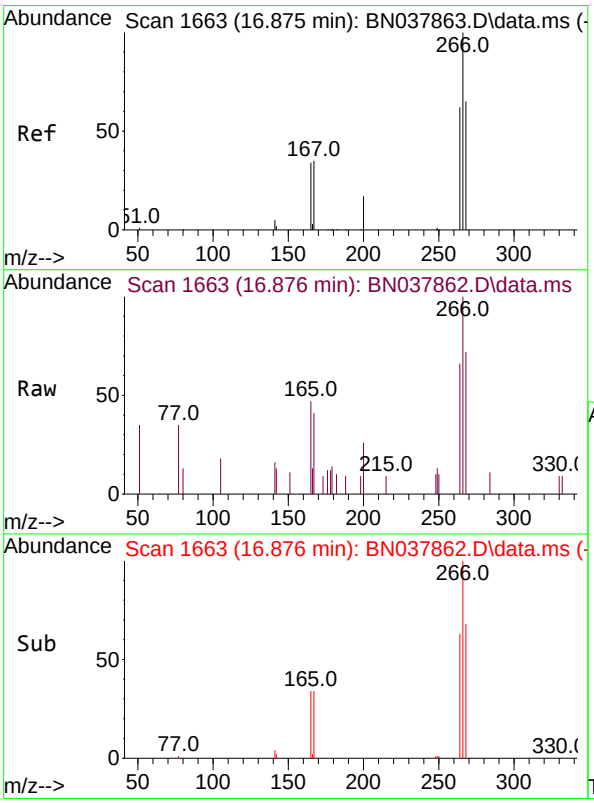
#23
Atrazine
Concen: 0.183 ng
RT: 16.677 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:200 Resp: 1442

Ion	Ratio	Lower	Upper
200	100		
173	37.6	18.3	27.5#
215	46.8	38.6	58.0

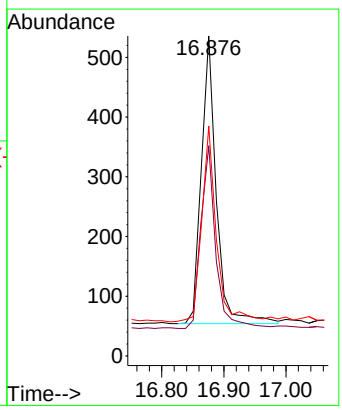


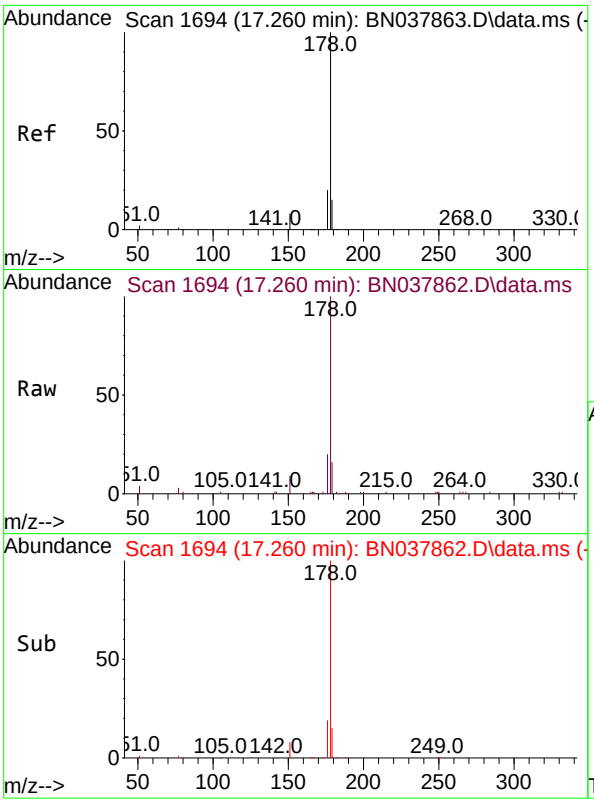


#24
Pentachlorophenol
Concen: 0.186 ng
RT: 16.876 min Scan# 1663
Delta R.T. 0.001 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

Tgt Ion:266 Resp: 804

Ion	Ratio	Lower	Upper
266	100		
264	63.3	50.9	76.3
268	66.4	54.3	81.5



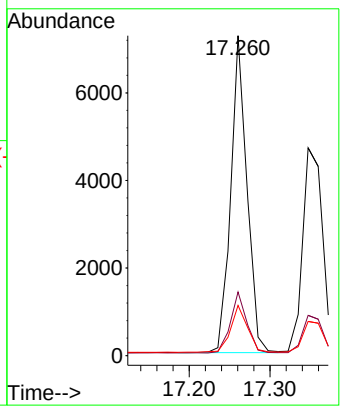


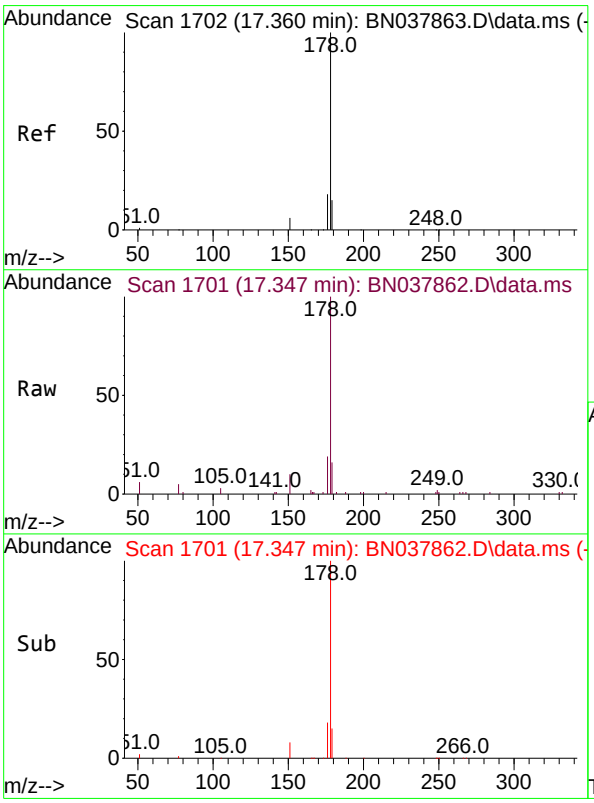
#25
Phenanthrene
Concen: 0.193 ng
RT: 17.260 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:178 Resp: 10109

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.7	23.5
179	15.6	12.3	18.5

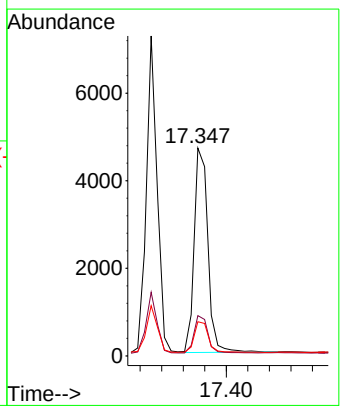


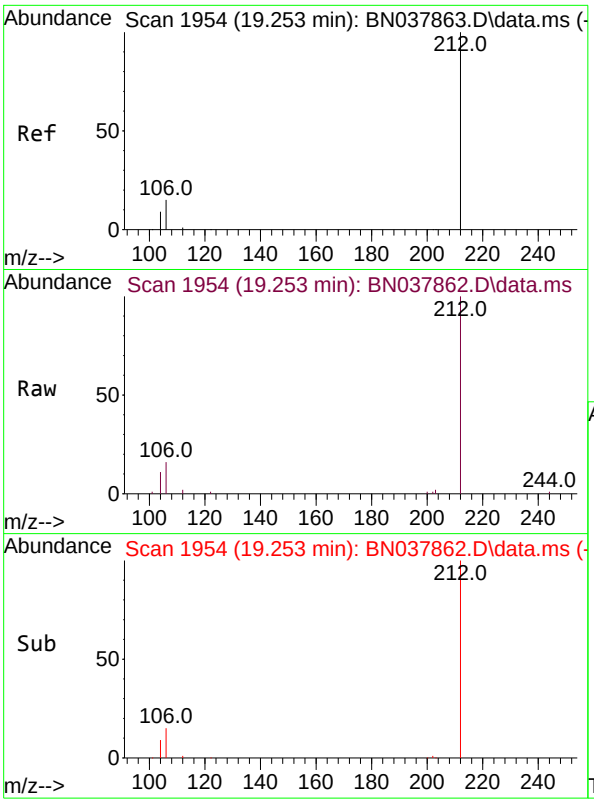


#26
Anthracene
Concen: 0.181 ng
RT: 17.347 min Scan# 1701
Delta R.T. -0.012 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

Tgt Ion:178 Resp: 8235

Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.0	22.4
179	15.7	12.3	18.5



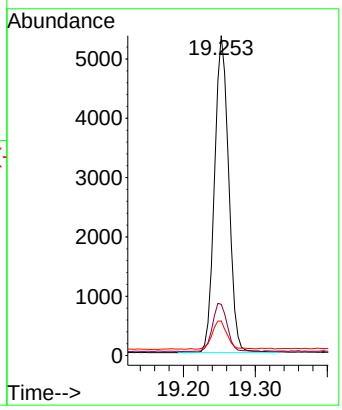


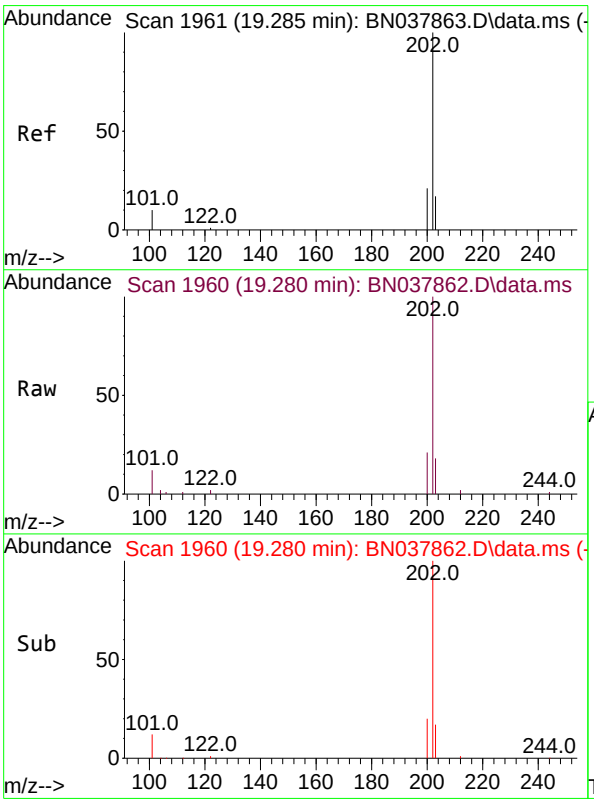
#27
Fluoranthene-d10
Concen: 0.182 ng
RT: 19.253 min Scan# 19
Delta R.T. 0.000 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:212 Resp: 7304

Ion	Ratio	Lower	Upper
212	100		
106	16.1	12.6	19.0
104	9.3	7.4	11.0

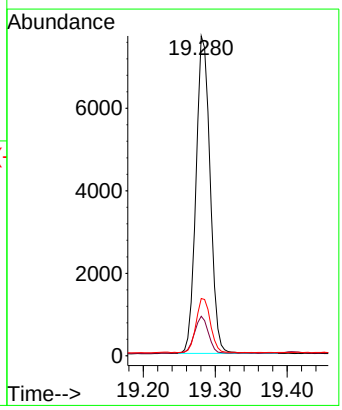


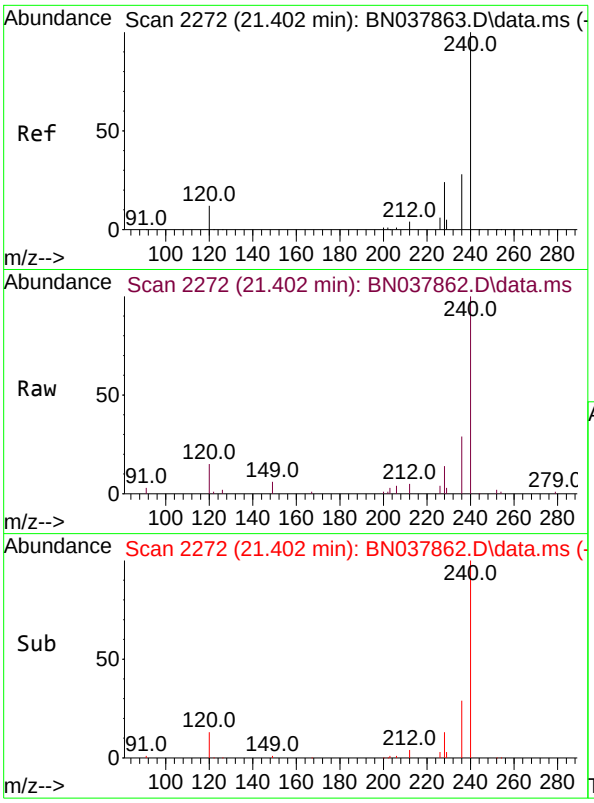


#28
Fluoranthene
Concen: 0.181 ng
RT: 19.280 min Scan# 1960
Delta R.T. -0.005 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

Tgt Ion:202 Resp: 10466

Ion	Ratio	Lower	Upper
202	100		
101	11.8	9.3	13.9
203	17.2	13.6	20.4



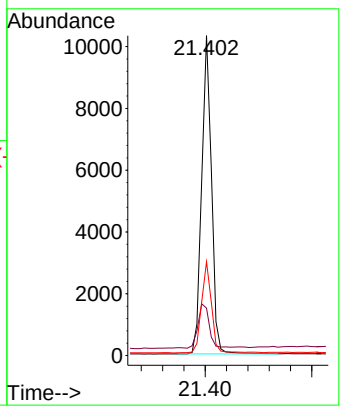


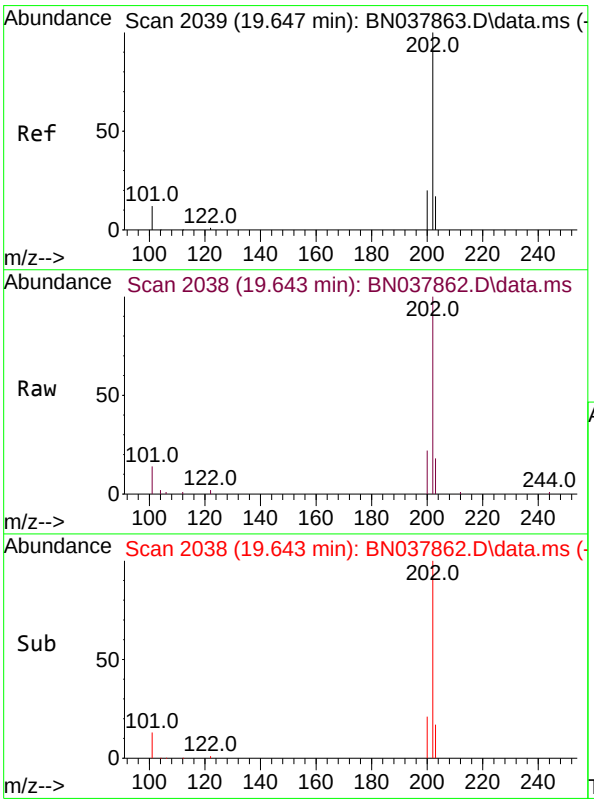
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.402 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:240 Resp: 13158

Ion	Ratio	Lower	Upper
240	100		
120	14.8	11.4	17.2
236	29.3	23.0	34.6

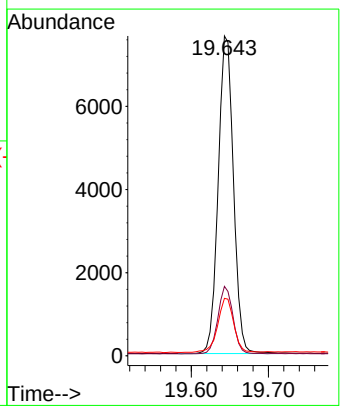


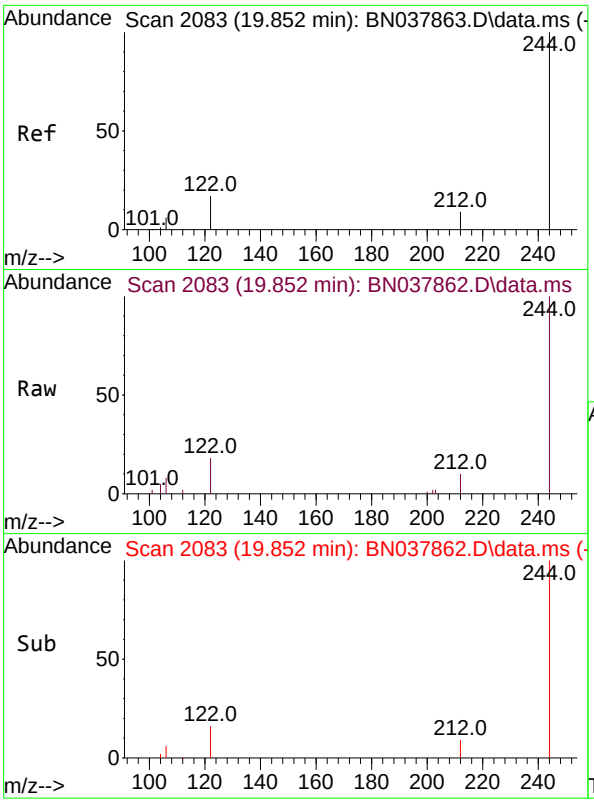


#30
Pyrene
Concen: 0.203 ng
RT: 19.643 min Scan# 2038
Delta R.T. -0.005 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

Tgt Ion:202 Resp: 10528

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.7	25.1
203	17.9	14.2	21.4



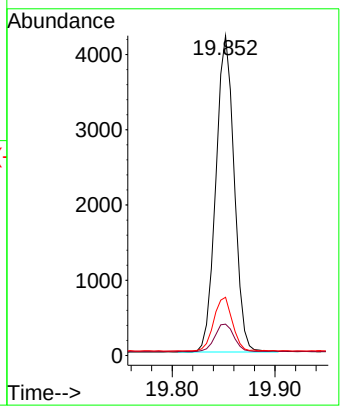


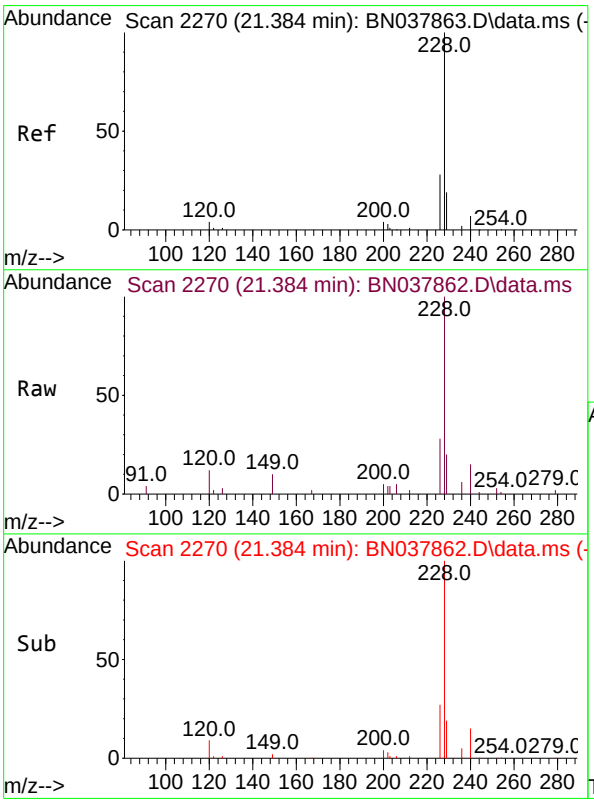
#31
Terphenyl-d14
Concen: 0.198 ng
RT: 19.852 min Scan# 20
Delta R.T. 0.000 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:244 Resp: 5201

Ion	Ratio	Lower	Upper
244	100		
212	9.8	7.6	11.4
122	18.2	13.9	20.9

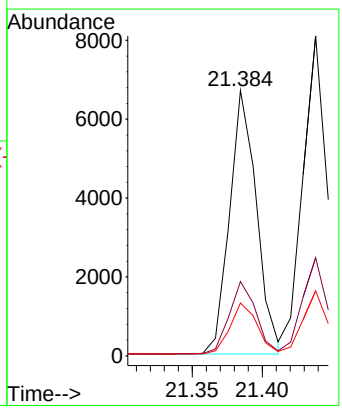


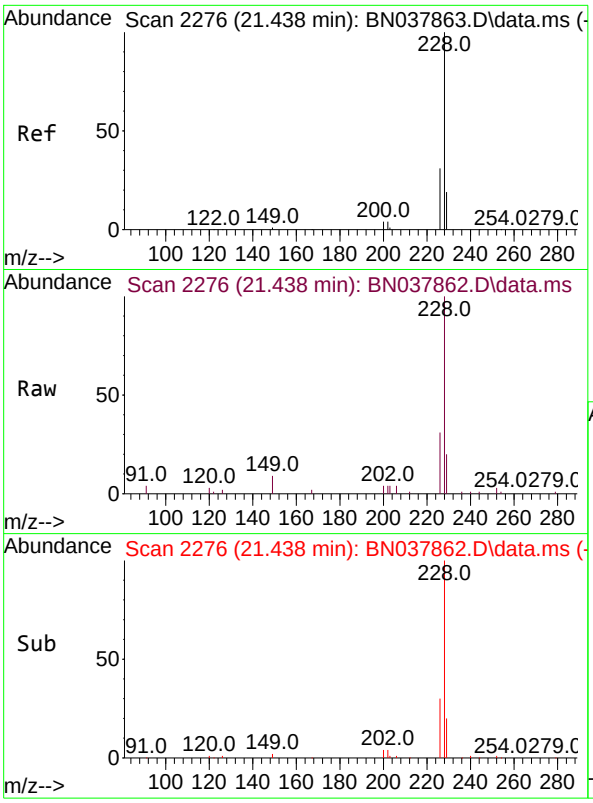


#32
Benzo(a)anthracene
Concen: 0.194 ng
RT: 21.384 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

Tgt Ion:228 Resp: 8943

Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.6	33.8
229	19.9	15.6	23.4



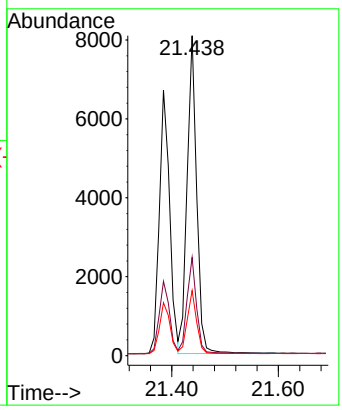


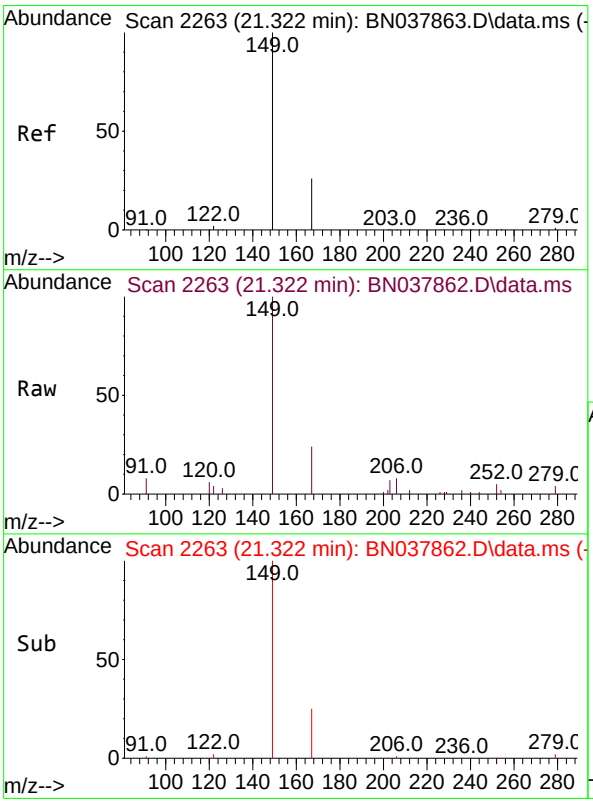
#33
Chrysene
Concen: 0.202 ng
RT: 21.438 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:228 Resp: 10042

Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.6	37.0
229	20.3	15.6	23.4

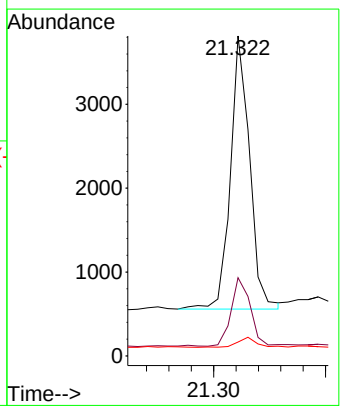


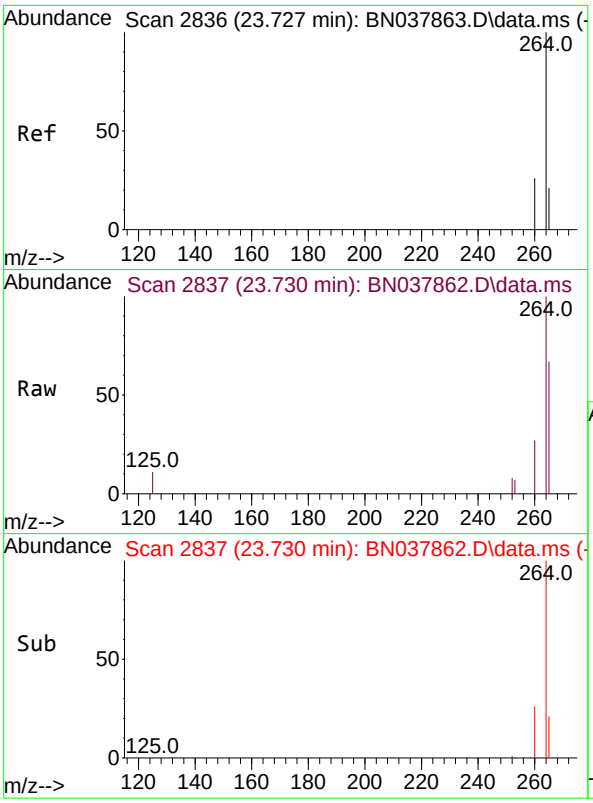


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.214 ng
RT: 21.322 min Scan# 2263
Delta R.T. 0.000 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

Tgt Ion:149 Resp: 3892

Ion	Ratio	Lower	Upper
149	100		
167	25.5	20.4	30.6
279	3.6	2.4	3.6#



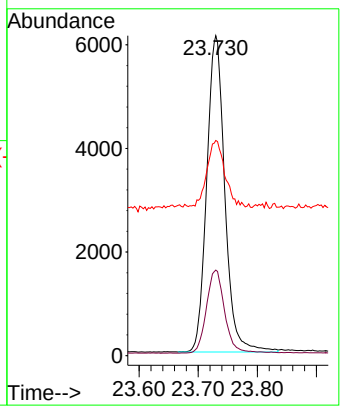


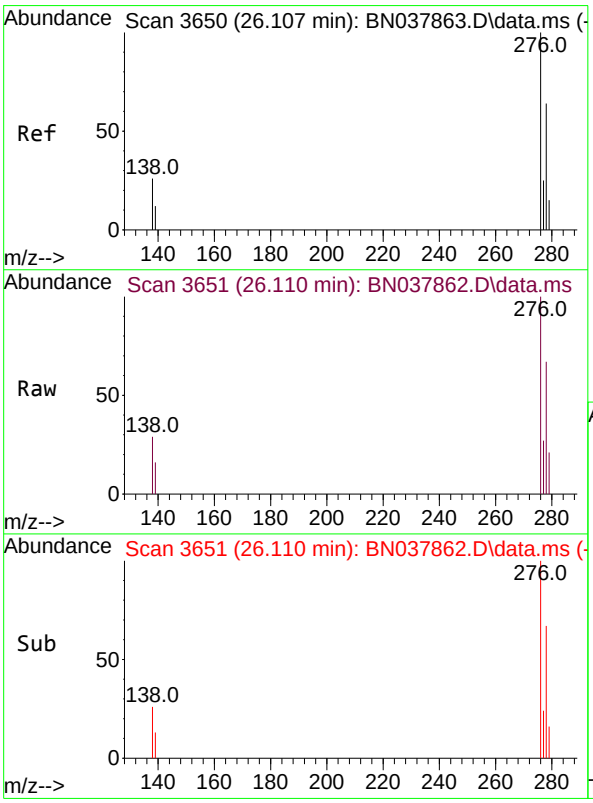
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.730 min Scan# 28
Delta R.T. 0.003 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:264 Resp: 12974

Ion	Ratio	Lower	Upper
264	100		
260	26.7	21.5	32.3
265	67.2	53.8	80.6

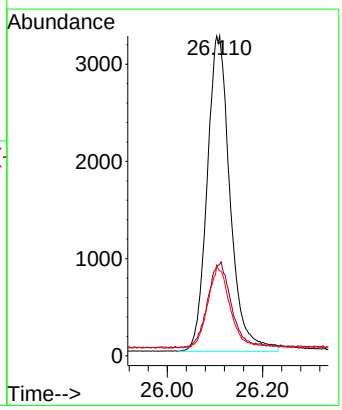


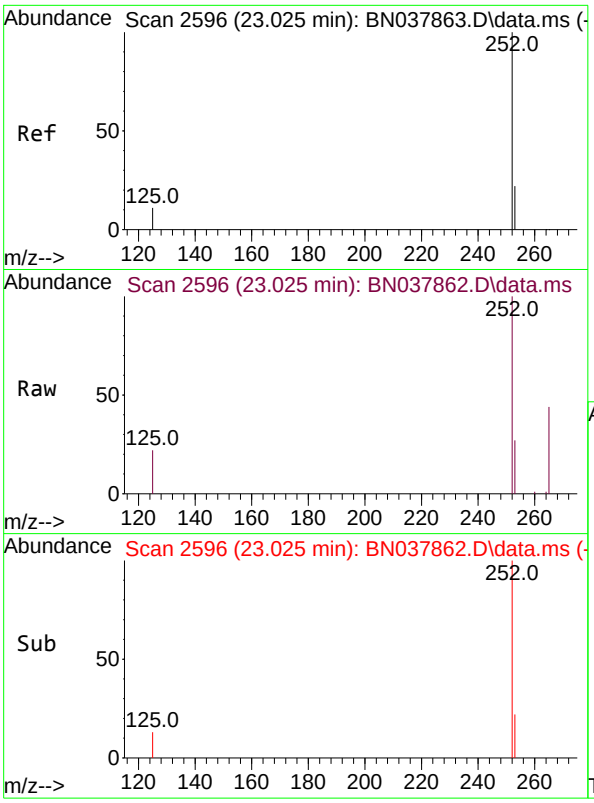


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.183 ng
RT: 26.110 min Scan# 3651
Delta R.T. 0.003 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

Tgt Ion:276 Resp: 10845

Ion	Ratio	Lower	Upper
276	100		
138	27.3	21.4	32.0
277	25.3	20.3	30.5



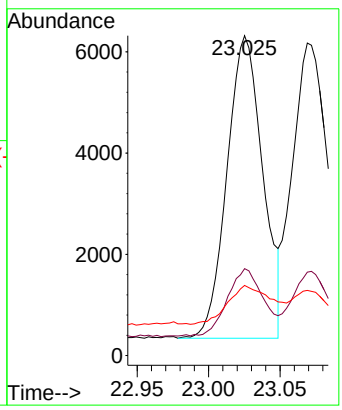


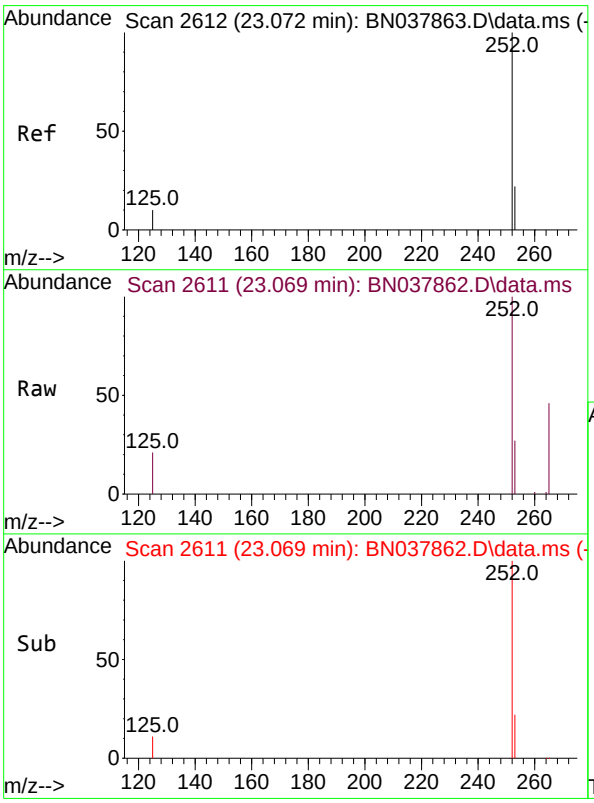
#37
Benzo(b)fluoranthene
Concen: 0.186 ng
RT: 23.025 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:252 Resp: 10420

Ion	Ratio	Lower	Upper
252	100		
253	27.2	19.4	29.0
125	21.9	13.0	19.4#

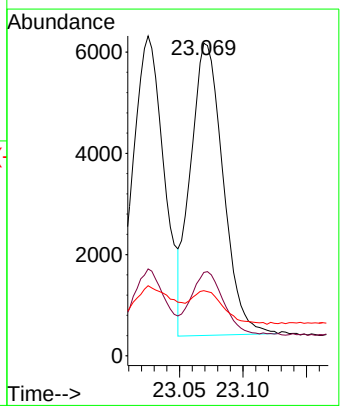


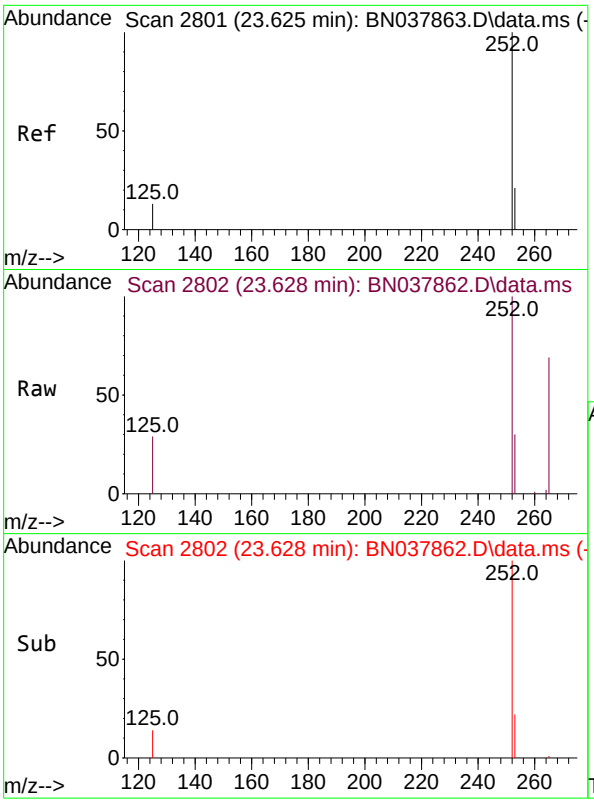


#38
Benzo(k)fluoranthene
Concen: 0.183 ng
RT: 23.069 min Scan# 2611
Delta R.T. -0.003 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

Tgt Ion:252 Resp: 10290

Ion	Ratio	Lower	Upper
252	100		
253	26.7	19.5	29.3
125	20.9	13.0	19.4#



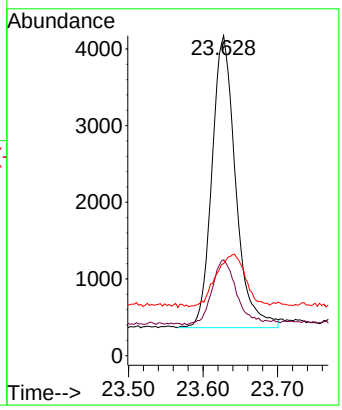


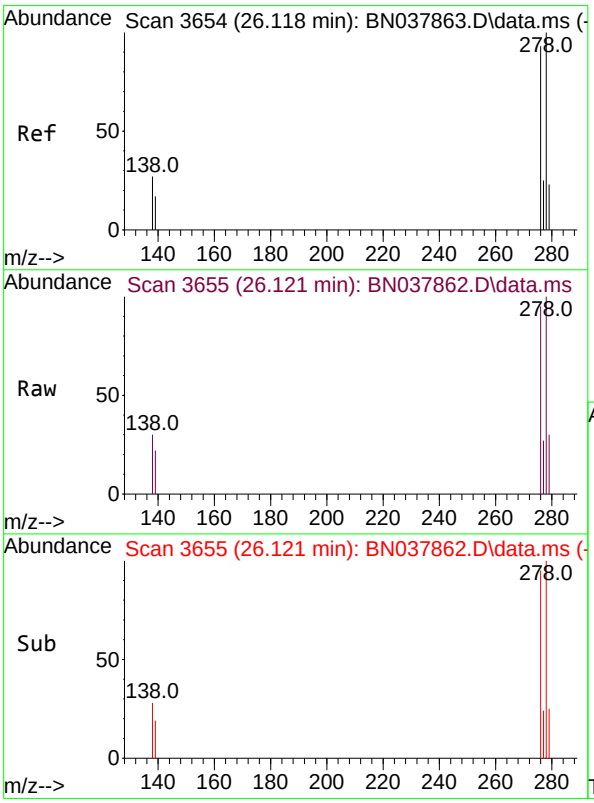
#39
Benzo(a)pyrene
Concen: 0.190 ng
RT: 23.628 min Scan# 28
Delta R.T. 0.003 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:252 Resp: 8405

Ion	Ratio	Lower	Upper
252	100		
253	29.9	20.6	30.8
125	28.7	16.7	25.1#

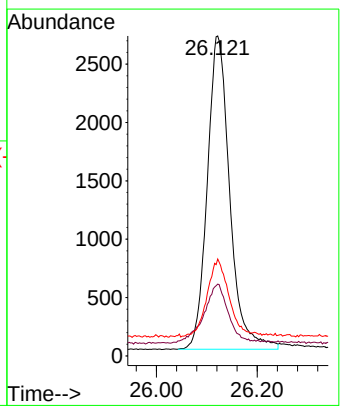


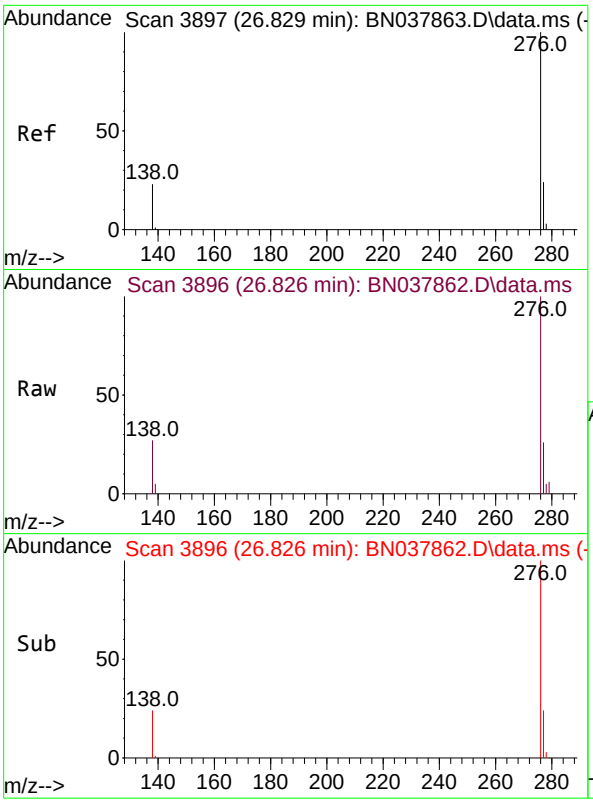


#40
Dibenzo(a,h)anthracene
Concen: 0.180 ng
RT: 26.121 min Scan# 3655
Delta R.T. 0.003 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

Tgt Ion:278 Resp: 8321

Ion	Ratio	Lower	Upper
278	100		
139	22.4	15.4	23.2
279	30.3	20.8	31.2



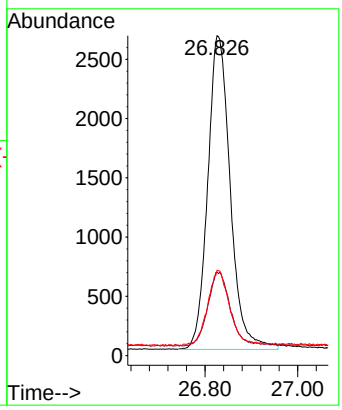


#41
Benzo(g,h,i)perylene
Concen: 0.184 ng
RT: 26.826 min Scan# 3
Delta R.T. -0.003 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:276 Resp: 8956

Ion	Ratio	Lower	Upper
276	100		
277	26.1	20.2	30.4
138	26.7	19.8	29.8



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092325\
Data File : BN037863.D
Acq On : 23 Sep 2025 13:25
Operator : RC/JU
Sample : SSTDICCC0.4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Quant Time: Sep 23 16:21:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 23 16:17:53 2025
Response via : Initial Calibration

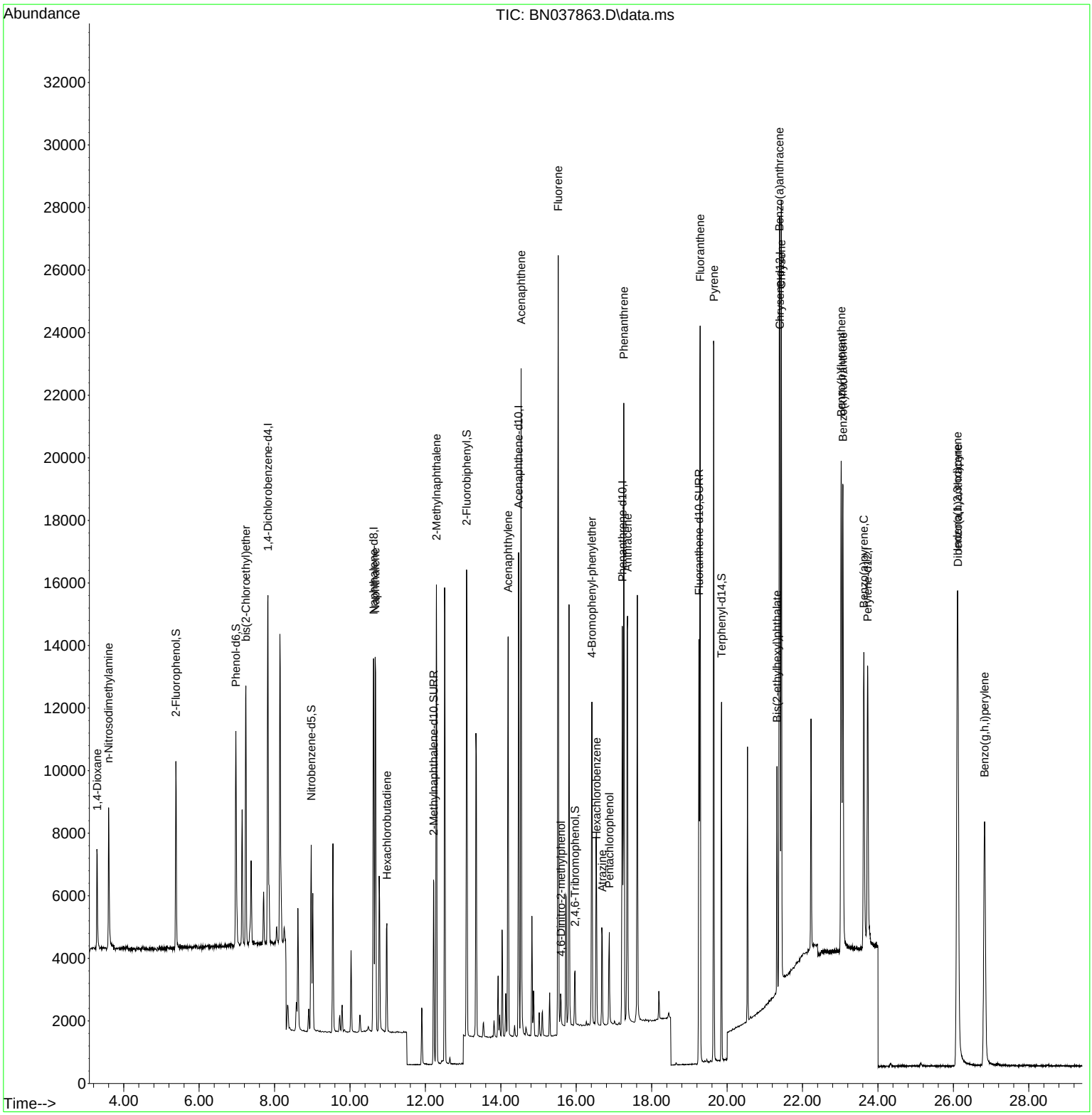
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.825	152	5584	0.400	ng		0.00
7) Naphthalene-d8	10.626	136	15792	0.400	ng		0.00
13) Acenaphthene-d10	14.473	164	8247	0.400	ng		0.00
19) Phenanthrene-d10	17.223	188	15939	0.400	ng		0.00
29) Chrysene-d12	21.402	240	13579	0.400	ng		0.00
35) Perylene-d12	23.727	264	12579	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.384	112	4779	0.375	ng		0.00
5) Phenol-d6	6.973	99	6244	0.373	ng		0.00
8) Nitrobenzene-d5	8.971	82	4566	0.379	ng		0.00
11) 2-Methylnaphthalene-d10	12.217	152	7877	0.359	ng		0.00
14) 2,4,6-Tribromophenol	15.969	330	1117	0.336	ng		0.00
15) 2-Fluorobiphenyl	13.094	172	12861	0.381	ng		0.00
27) Fluoranthene-d10	19.253	212	14130	0.352	ng		0.00
31) Terphenyl-d14	19.852	244	10222	0.378	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.297	88	2288	0.404	ng		100
3) n-Nitrosodimethylamine	3.601	42	2885	0.383	ng		100
6) bis(2-Chloroethyl)ether	7.240	93	6041	0.389	ng		100
9) Naphthalene	10.669	128	16547	0.380	ng		100
10) Hexachlorobutadiene	10.979	225	2874	0.387	ng	#	100
12) 2-Methylnaphthalene	12.293	142	10542	0.371	ng		100
16) Acenaphthylene	14.195	152	13712	0.366	ng		100
17) Acenaphthene	14.537	154	9880	0.370	ng		100
18) Fluorene	15.523	166	11975	0.371	ng		100
20) 4,6-Dinitro-2-methylph...	15.597	198	696	0.406	ng		100
21) 4-Bromophenyl-phenylether	16.416	248	3896	0.375	ng		100
22) Hexachlorobenzene	16.540	284	4854	0.385	ng		100
23) Atrazine	16.689	200	2739	0.346	ng		100
24) Pentachlorophenol	16.875	266	1466	0.339	ng		100
25) Phenanthrene	17.260	178	19609	0.374	ng		100
26) Anthracene	17.360	178	16310	0.358	ng		100
28) Fluoranthene	19.285	202	20902	0.362	ng		100
30) Pyrene	19.647	202	20652	0.385	ng		100
32) Benzo(a)anthracene	21.384	228	17571	0.370	ng		100
33) Chrysene	21.438	228	19852	0.387	ng		100
34) Bis(2-ethylhexyl)phtha...	21.322	149	6617	0.352	ng		99
36) Indeno(1,2,3-cd)pyrene	26.107	276	20858	0.363	ng		100
37) Benzo(b)fluoranthene	23.025	252	20638	0.380	ng		100
38) Benzo(k)fluoranthene	23.072	252	20090	0.368	ng		100
39) Benzo(a)pyrene	23.625	252	15479	0.361	ng		100
40) Dibenzo(a,h)anthracene	26.118	278	16392	0.365	ng		100
41) Benzo(g,h,i)perylene	26.829	276	17656	0.374	ng		100

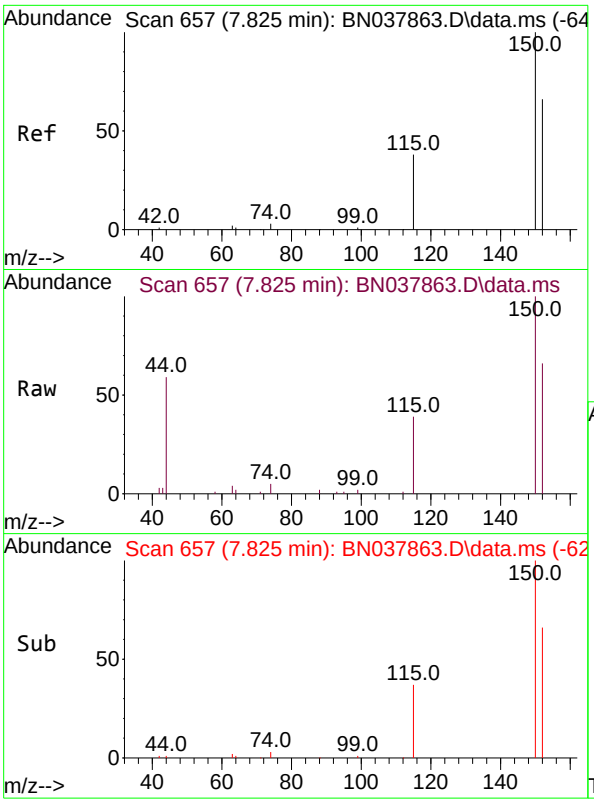
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092325\
Data File : BN037863.D
Acq On : 23 Sep 2025 13:25
Operator : RC/JU
Sample : SSTDICCC0.4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Quant Time: Sep 23 16:21:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 23 16:17:53 2025
Response via : Initial Calibration



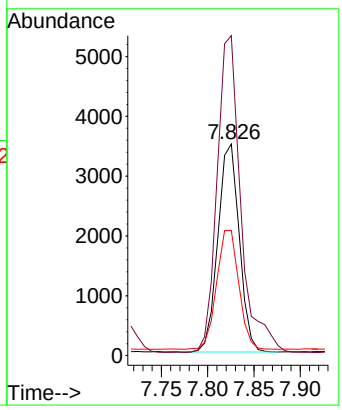


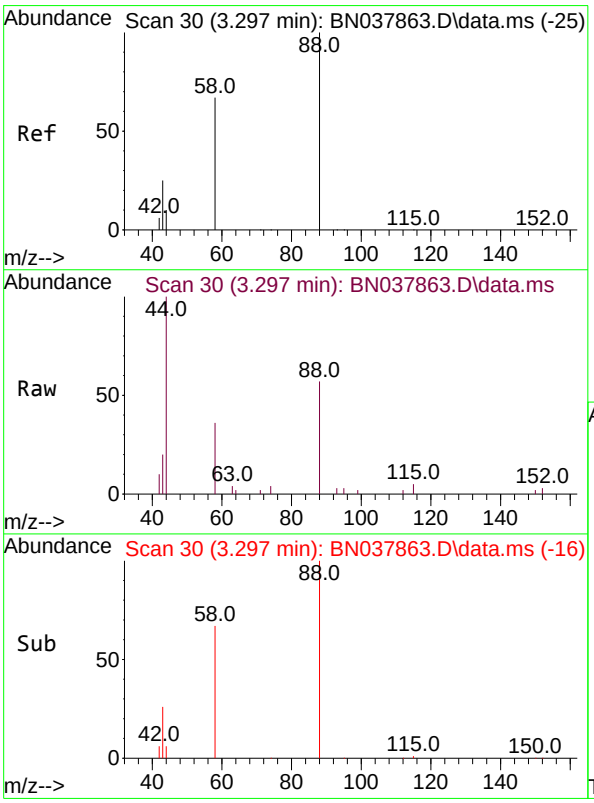
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.825 min Scan# 6
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:152 Resp: 5584

Ion	Ratio	Lower	Upper
152	100		
150	151.2	121.0	181.4
115	59.2	47.4	71.0

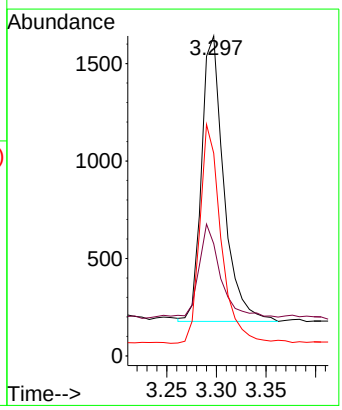


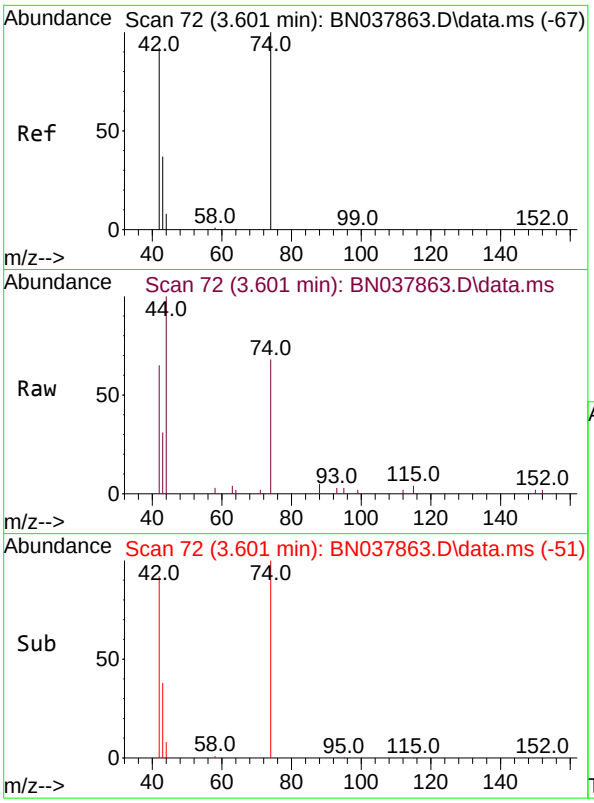


#2
1,4-Dioxane
Concen: 0.404 ng
RT: 3.297 min Scan# 30
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

Tgt Ion: 88 Resp: 2288

Ion	Ratio	Lower	Upper
88	100		
43	33.2	26.6	39.8
58	73.6	58.9	88.3



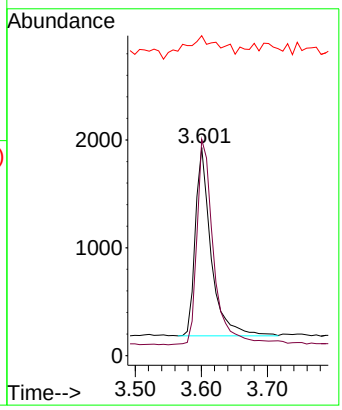


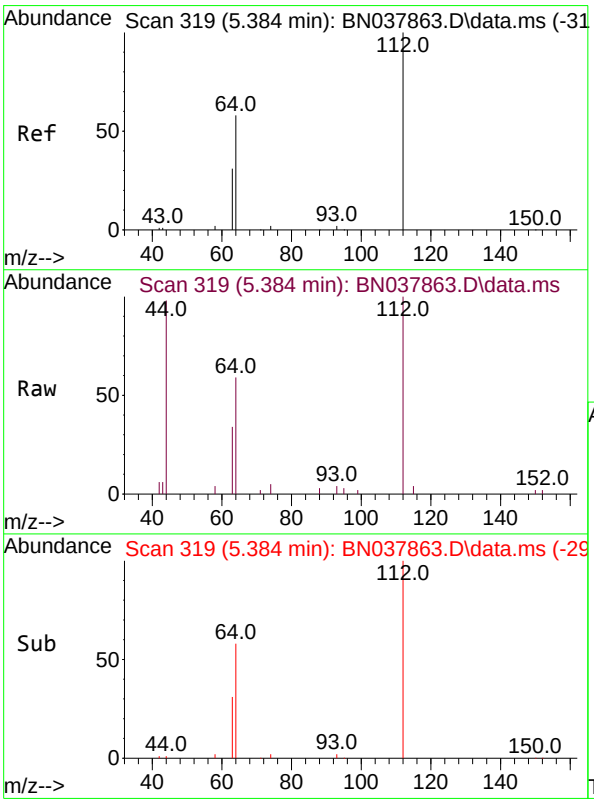
#3
n-Nitrosodimethylamine
Concen: 0.383 ng
RT: 3.601 min Scan# 7
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion: 42 Resp: 2885

Ion	Ratio	Lower	Upper
42	100		
74	116.7	93.4	140.0
44	27.8	22.2	33.4

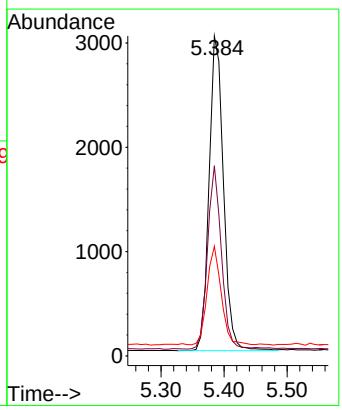


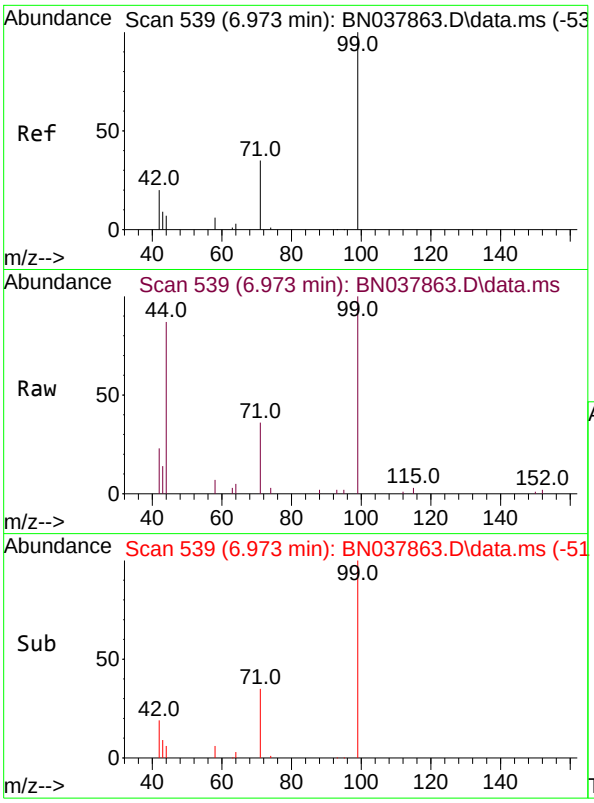


#4
2-Fluorophenol
Concen: 0.375 ng
RT: 5.384 min Scan# 319
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

Tgt Ion:112 Resp: 4779

Ion	Ratio	Lower	Upper
112	100		
64	55.7	44.6	66.8
63	31.1	24.9	37.3



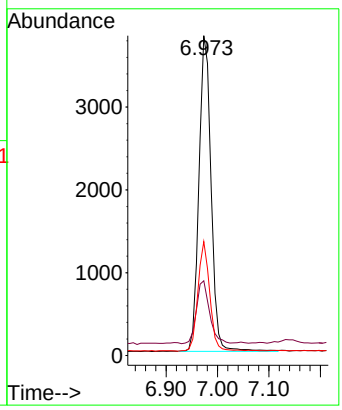


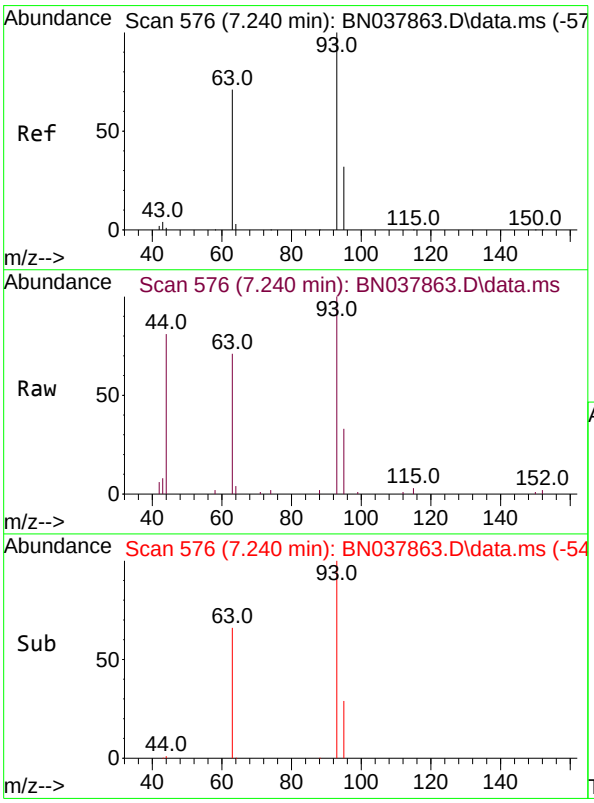
#5
Phenol-d6
Concen: 0.373 ng
RT: 6.973 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion: 99 Resp: 6244

Ion	Ratio	Lower	Upper
99	100		
42	21.5	17.2	25.8
71	34.1	27.3	40.9

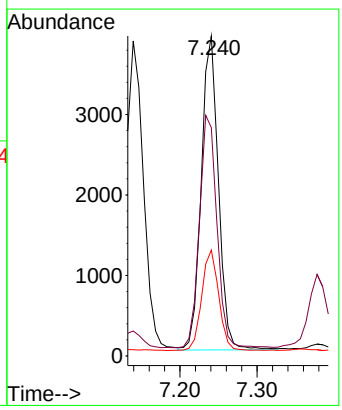


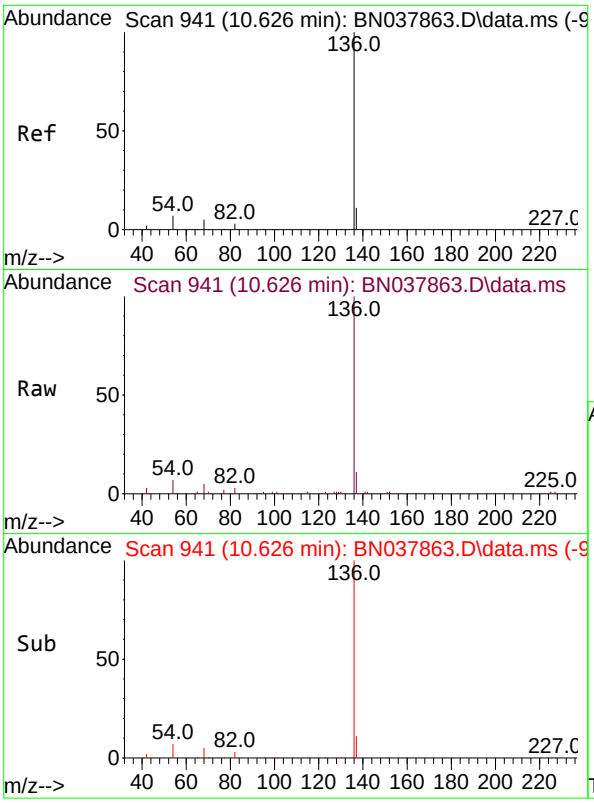


#6
bis(2-Chloroethyl)ether
Concen: 0.389 ng
RT: 7.240 min Scan# 576
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

Tgt Ion: 93 Resp: 6041

Ion	Ratio	Lower	Upper
93	100		
63	75.1	60.1	90.1
95	31.8	25.4	38.2



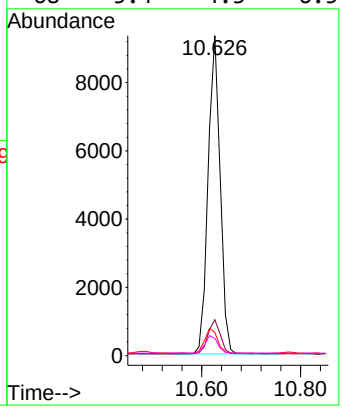


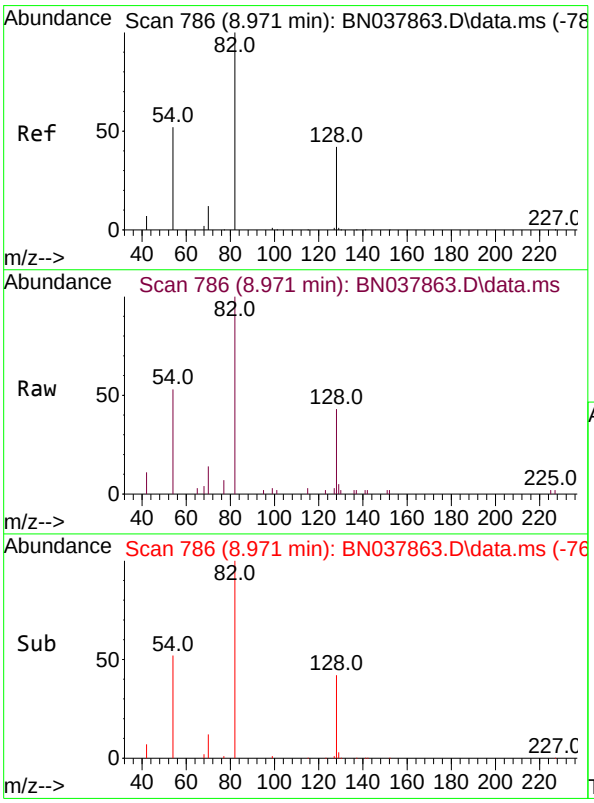
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.626 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:136 Resp: 15792

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	7.3	5.8	8.8
68	5.4	4.3	6.5

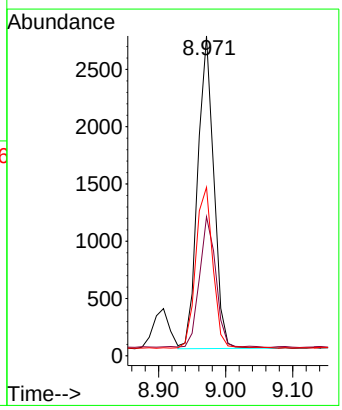


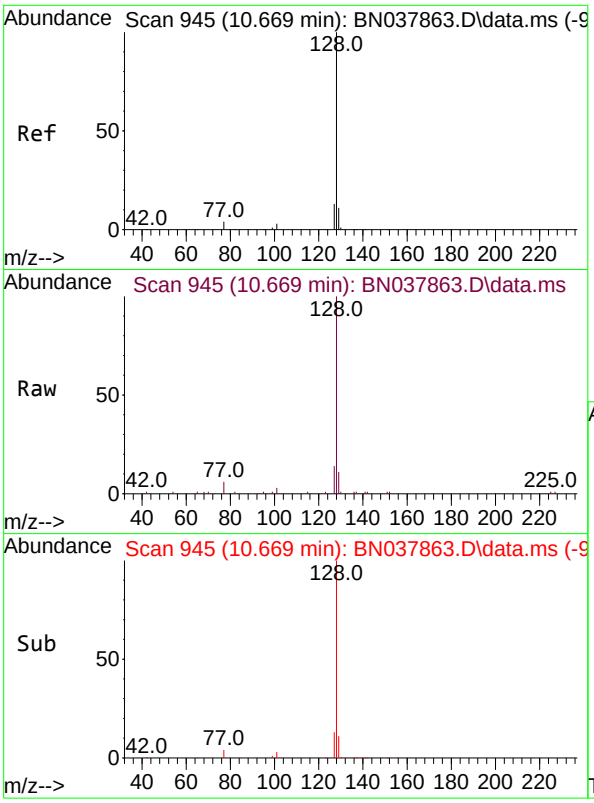


#8
Nitrobenzene-d5
Concen: 0.379 ng
RT: 8.971 min Scan# 786
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

Tgt Ion: 82 Resp: 4566

Ion	Ratio	Lower	Upper
82	100		
128	43.5	34.8	52.2
54	52.7	42.2	63.2



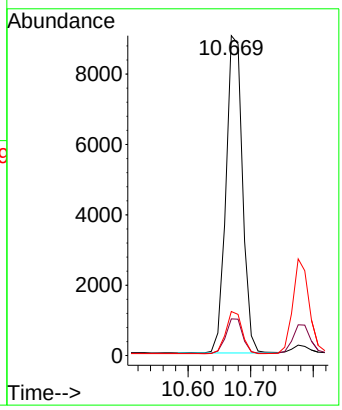


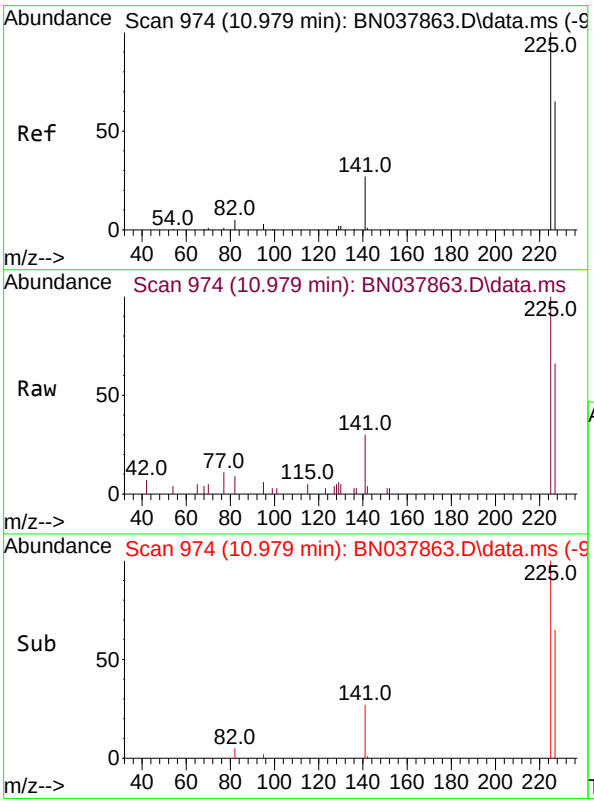
#9
Naphthalene
Concen: 0.380 ng
RT: 10.669 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:128 Resp: 16547

Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.2	13.8
127	13.8	11.0	16.6

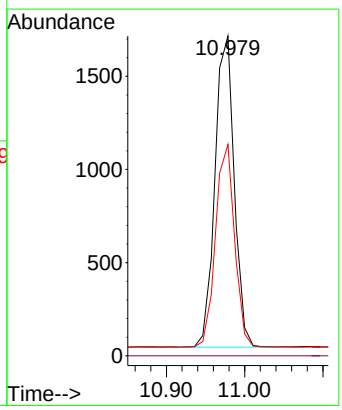


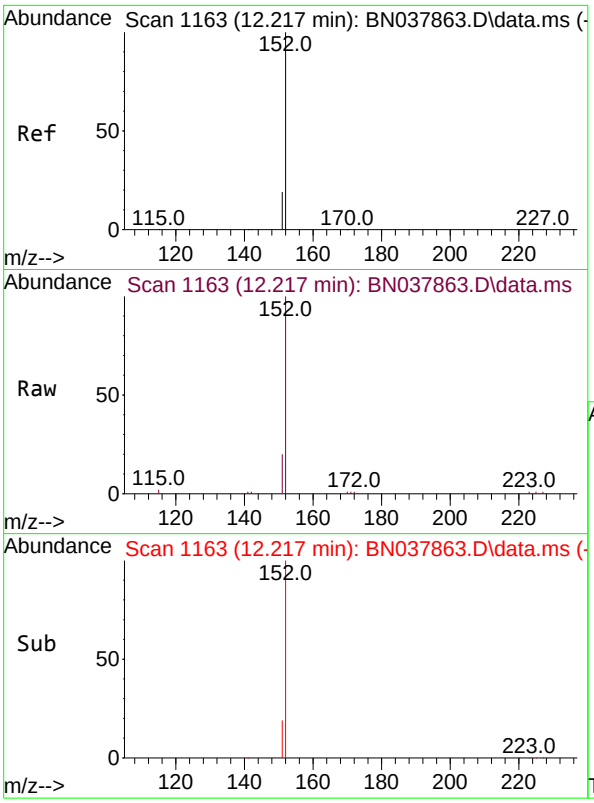


#10
Hexachlorobutadiene
Concen: 0.387 ng
RT: 10.979 min Scan# 974
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

Tgt Ion:225 Resp: 2874

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.3	51.4	77.2



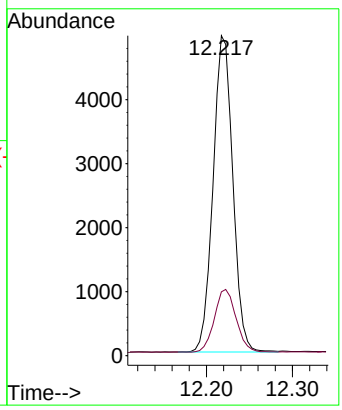


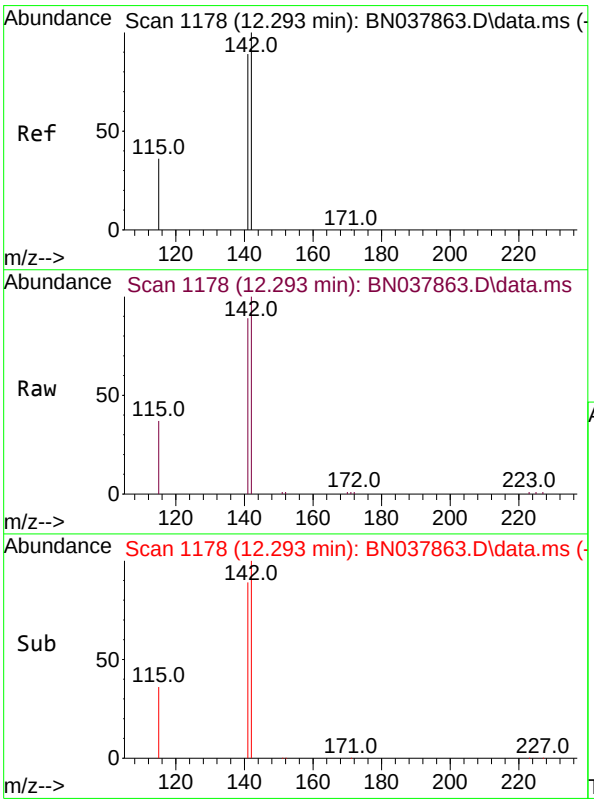
#11
2-Methylnaphthalene-d10
Concen: 0.359 ng
RT: 12.217 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:152 Resp: 7877

Ion	Ratio	Lower	Upper
152	100		
151	21.8	17.4	26.2

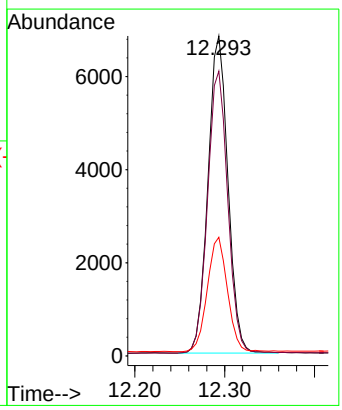


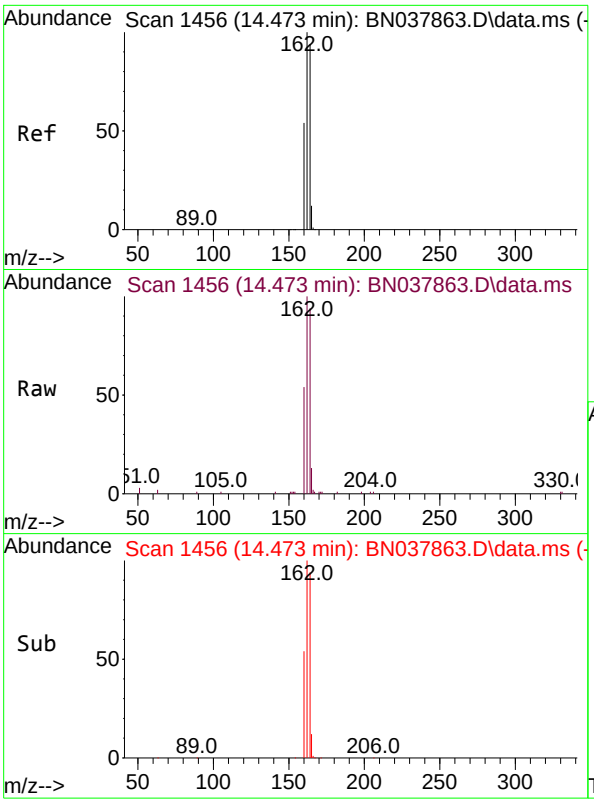


#12
2-Methylnaphthalene
Concen: 0.371 ng
RT: 12.293 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

Tgt Ion:142 Resp: 10542

Ion	Ratio	Lower	Upper
142	100		
141	89.0	71.2	106.8
115	37.1	29.7	44.5



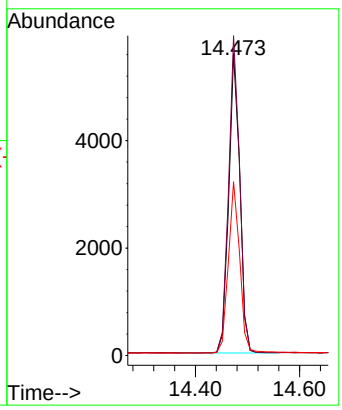


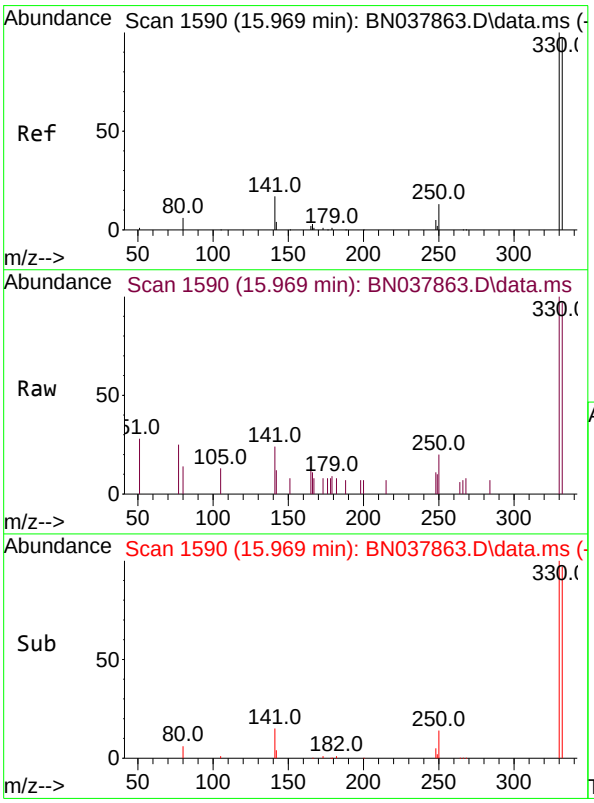
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.473 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:164 Resp: 8247

Ion	Ratio	Lower	Upper
164	100		
162	106.0	84.8	127.2
160	57.6	46.1	69.1

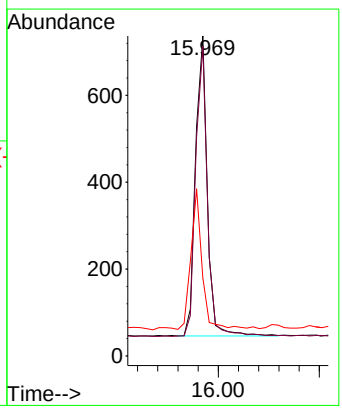


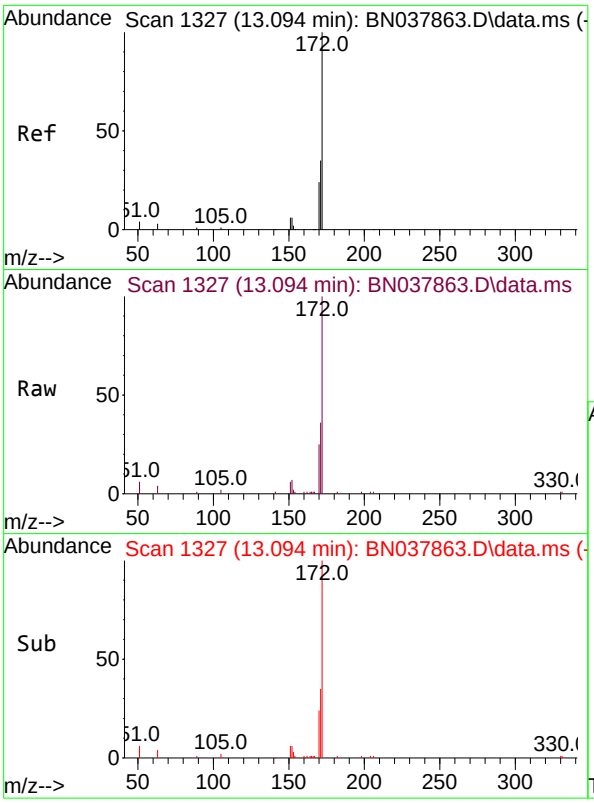


#14
2,4,6-Tribromophenol
Concen: 0.336 ng
RT: 15.969 min Scan# 1590
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

Tgt Ion:330 Resp: 1117

Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.2	115.8
141	46.4	37.2	55.8



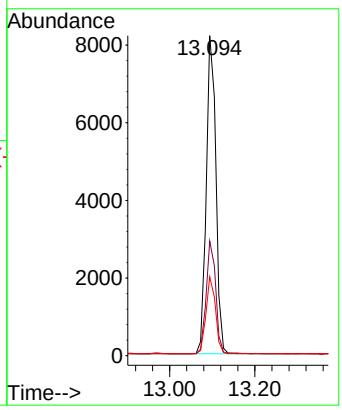


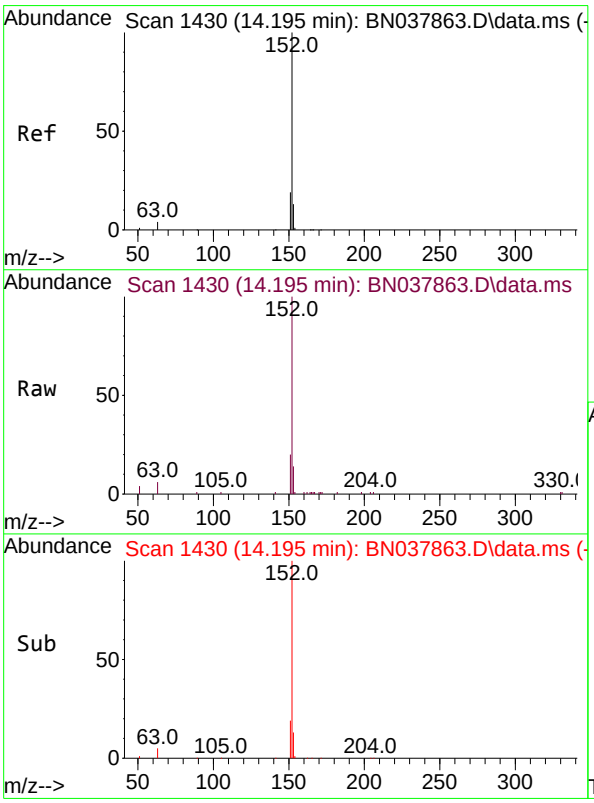
#15
2-Fluorobiphenyl
Concen: 0.381 ng
RT: 13.094 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:172 Resp: 12861

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.6	43.0
170	24.6	19.7	29.5

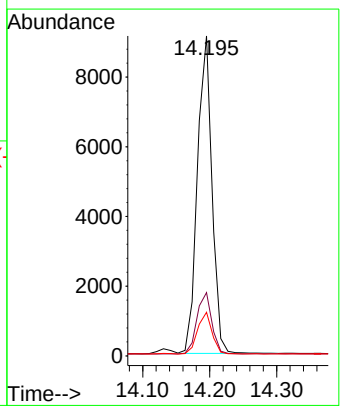


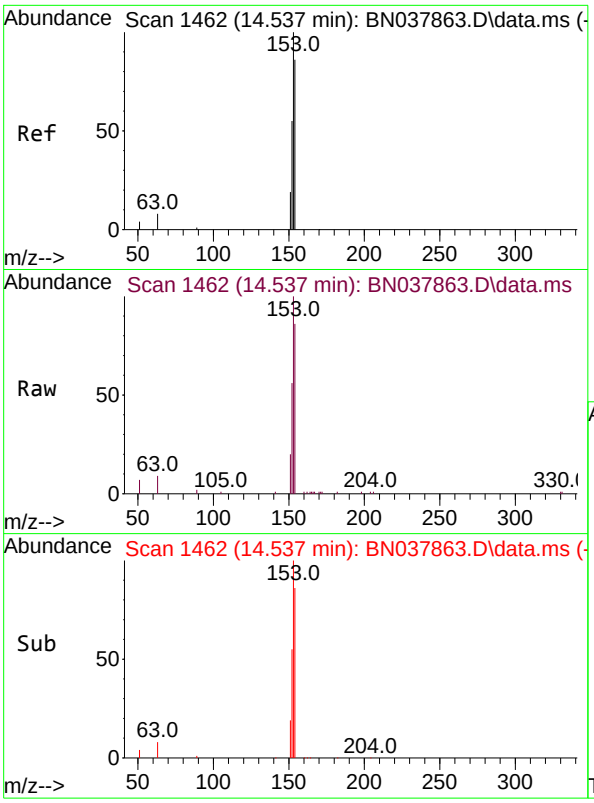


#16
Acenaphthylene
Concen: 0.366 ng
RT: 14.195 min Scan# 1430
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

Tgt Ion:152 Resp: 13712

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.8
153	13.1	10.5	15.7



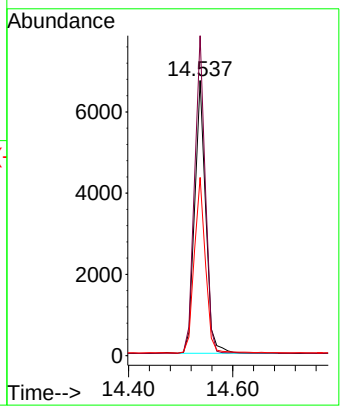


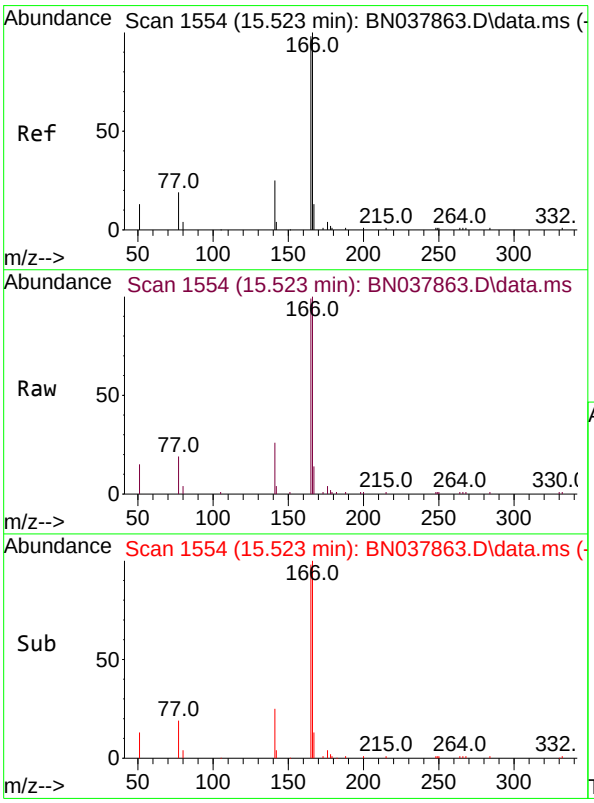
#17
Acenaphthene
Concen: 0.370 ng
RT: 14.537 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:154 Resp: 9880

Ion	Ratio	Lower	Upper
154	100		
153	113.1	90.5	135.7
152	64.8	51.8	77.8

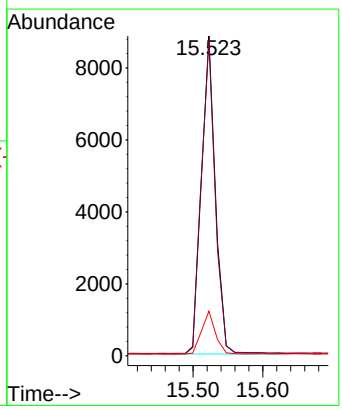


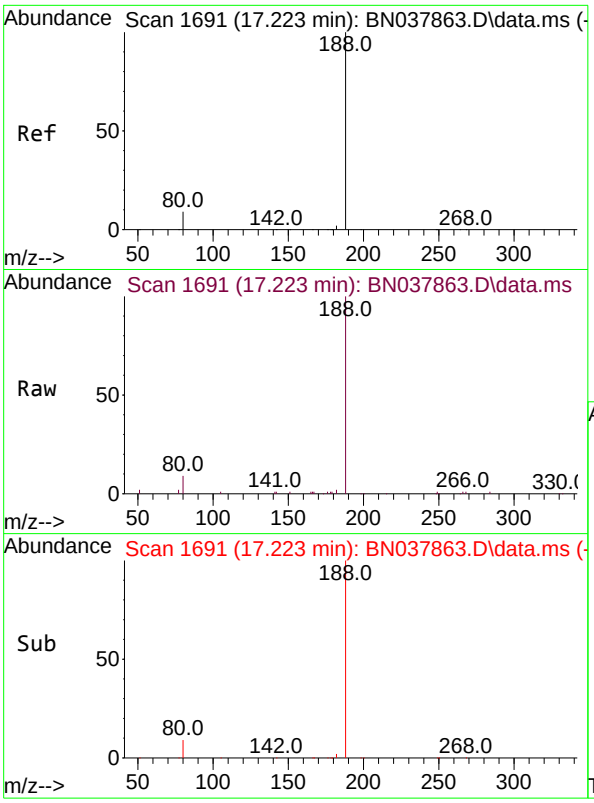


#18
Fluorene
Concen: 0.371 ng
RT: 15.523 min Scan# 1554
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

Tgt Ion:166 Resp: 11975

Ion	Ratio	Lower	Upper
166	100		
165	99.0	79.0	118.4
167	13.3	10.6	16.0



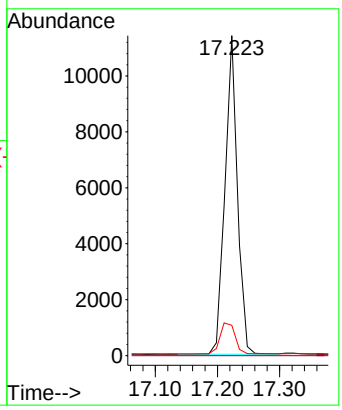


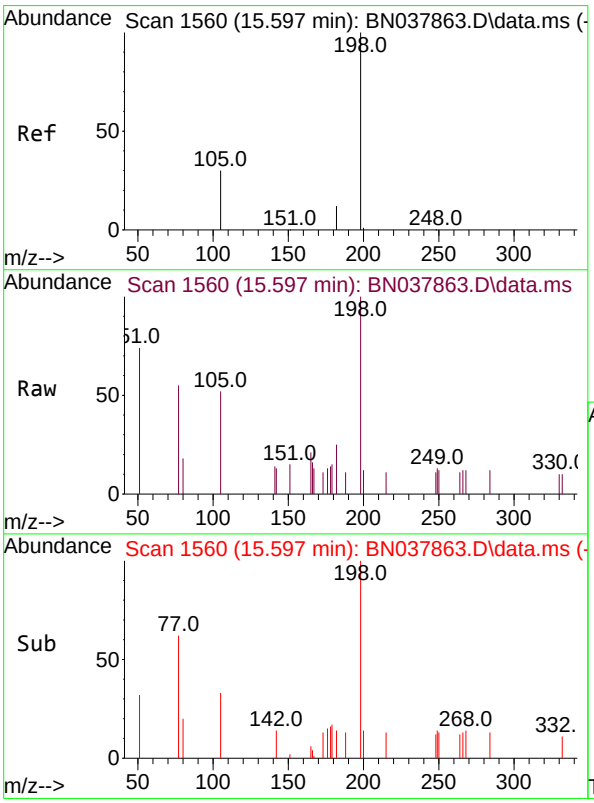
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.223 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:188 Resp: 15939

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.5	7.6	11.4

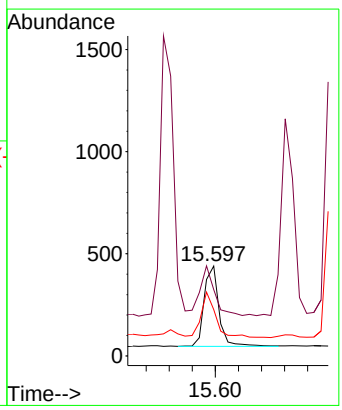


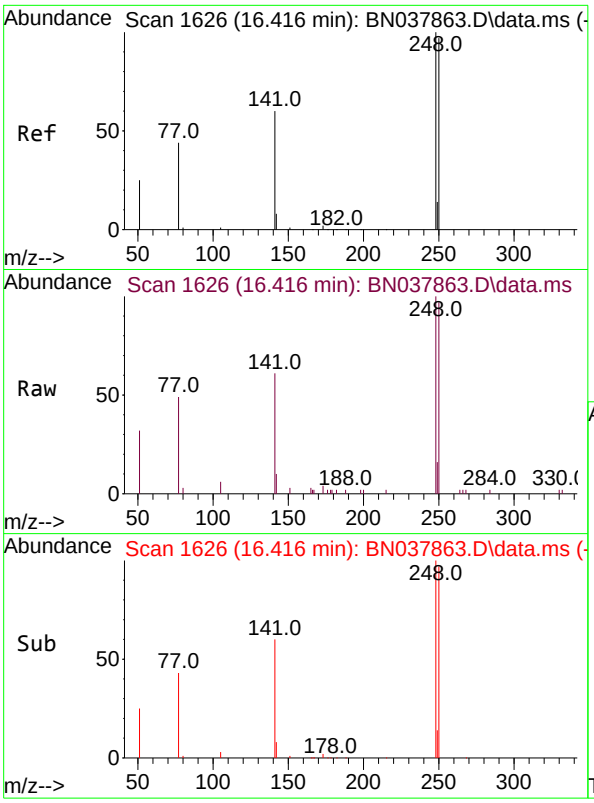


#20
4,6-Dinitro-2-methylphenol
Concen: 0.406 ng
RT: 15.597 min Scan# 1560
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

Tgt Ion:198 Resp: 696

Ion	Ratio	Lower	Upper
198	100		
51	73.9	59.1	88.7
105	51.6	41.3	61.9



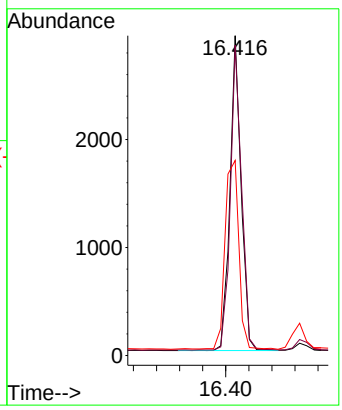


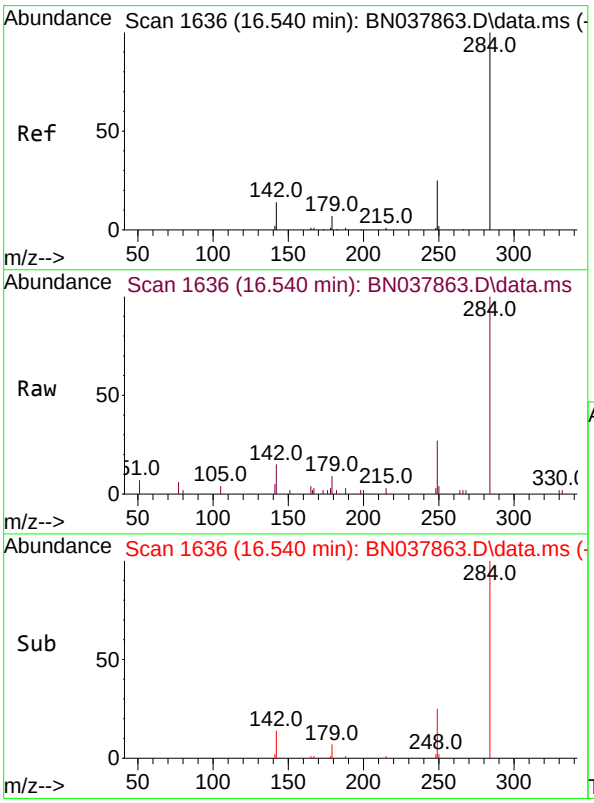
#21
4-Bromophenyl-phenylether
Concen: 0.375 ng
RT: 16.416 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:248 Resp: 3896

Ion	Ratio	Lower	Upper
248	100		
250	97.0	77.6	116.4
141	61.0	48.8	73.2

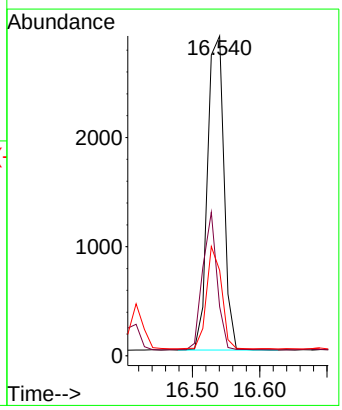


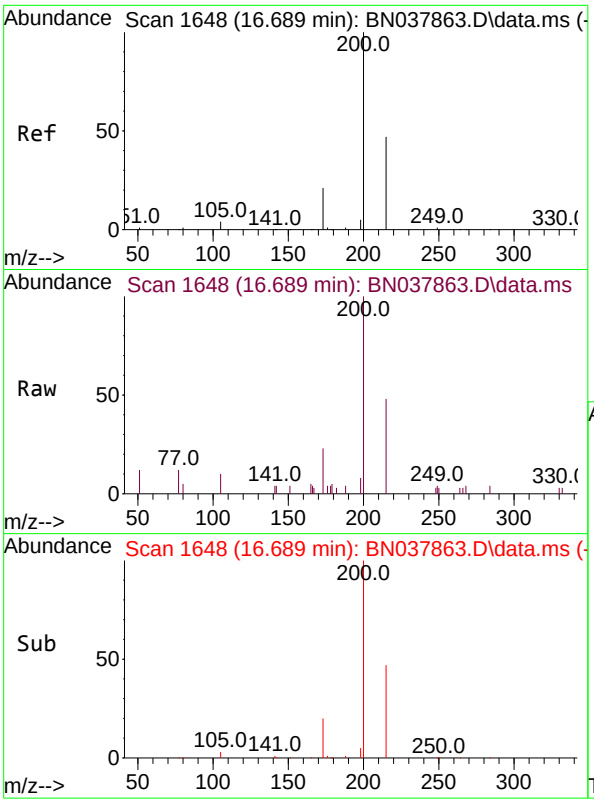


#22
Hexachlorobenzene
Concen: 0.385 ng
RT: 16.540 min Scan# 1636
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

Tgt Ion:284 Resp: 4854

Ion	Ratio	Lower	Upper
284	100		
142	38.6	30.9	46.3
249	29.9	23.9	35.9



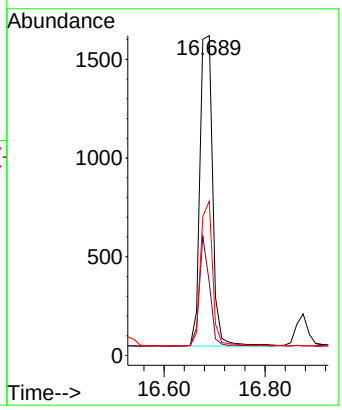


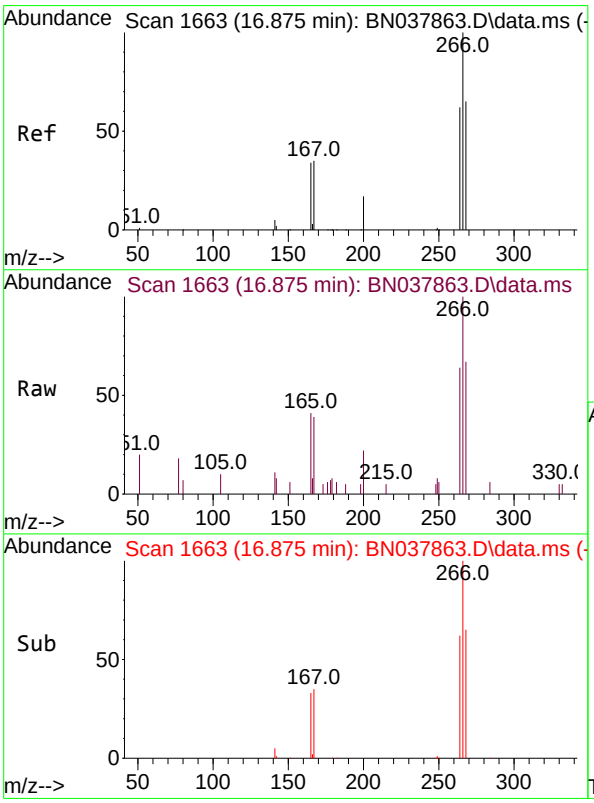
#23
Atrazine
Concen: 0.346 ng
RT: 16.689 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:200 Resp: 2739

Ion	Ratio	Lower	Upper
200	100		
173	22.9	18.3	27.5
215	48.3	38.6	58.0

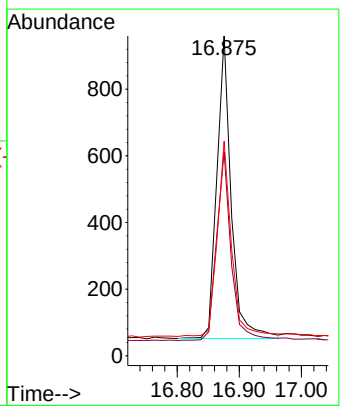


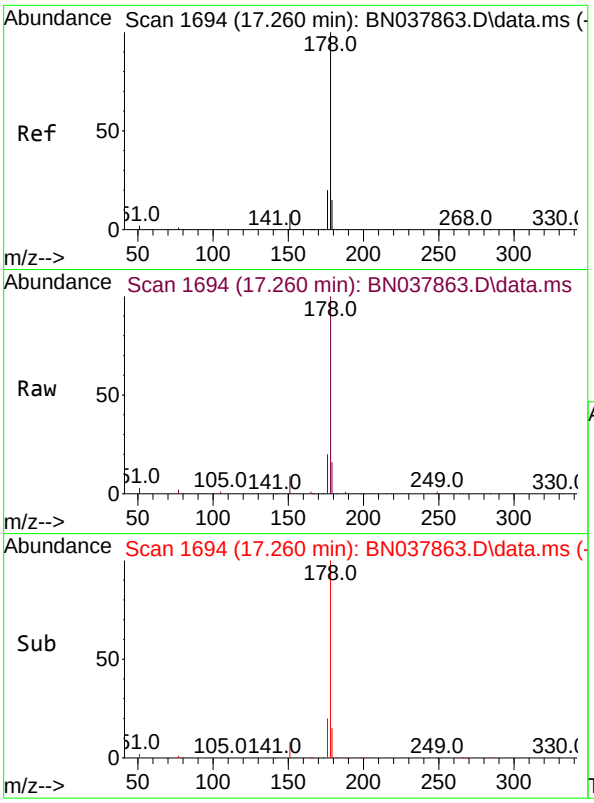


#24
Pentachlorophenol
Concen: 0.339 ng
RT: 16.875 min Scan# 1663
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

Tgt Ion:266 Resp: 1466

Ion	Ratio	Lower	Upper
266	100		
264	63.6	50.9	76.3
268	67.9	54.3	81.5



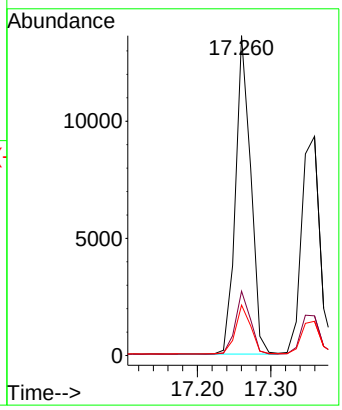


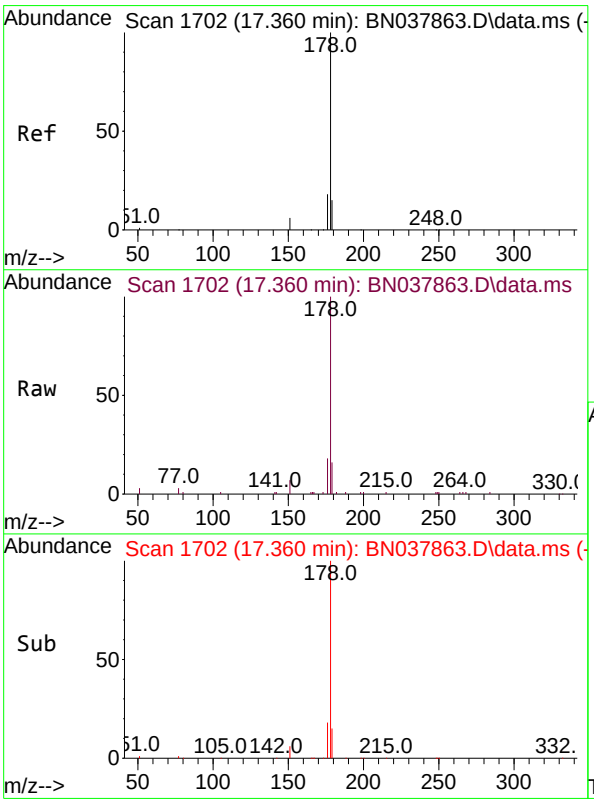
#25
Phenanthrene
Concen: 0.374 ng
RT: 17.260 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:178 Resp: 19609

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.7	23.5
179	15.4	12.3	18.5

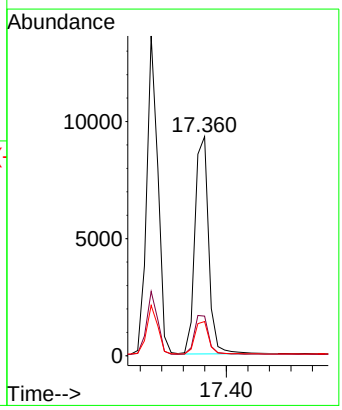


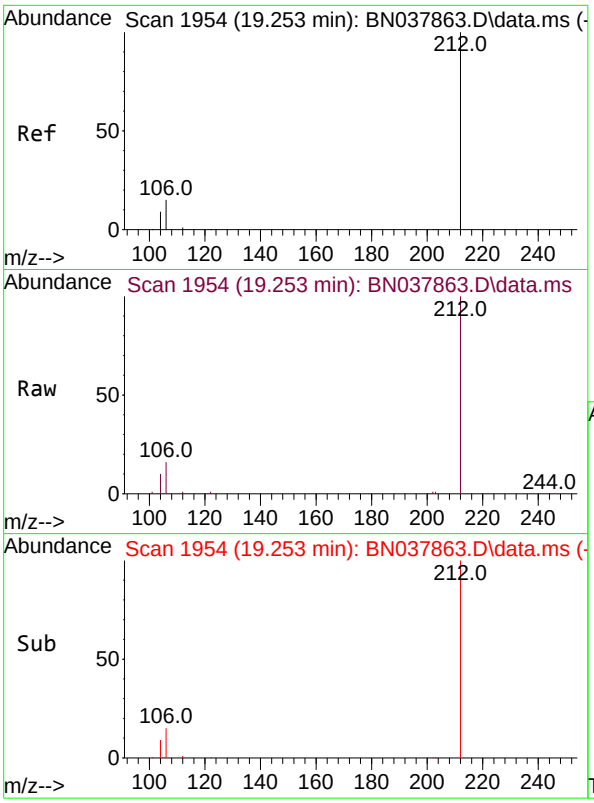


#26
Anthracene
Concen: 0.358 ng
RT: 17.360 min Scan# 1702
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

Tgt Ion:178 Resp: 16310

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.4
179	15.4	12.3	18.5



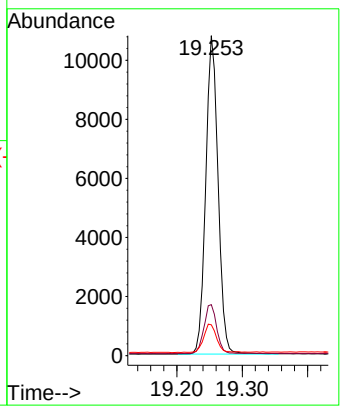


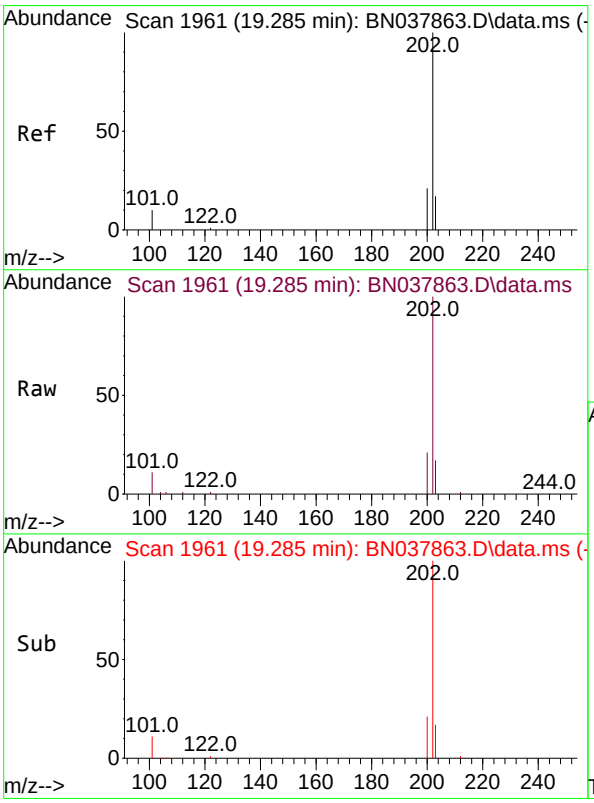
#27
Fluoranthene-d10
Concen: 0.352 ng
RT: 19.253 min Scan# 19
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:212 Resp: 14130

Ion	Ratio	Lower	Upper
212	100		
106	15.8	12.6	19.0
104	9.2	7.4	11.0

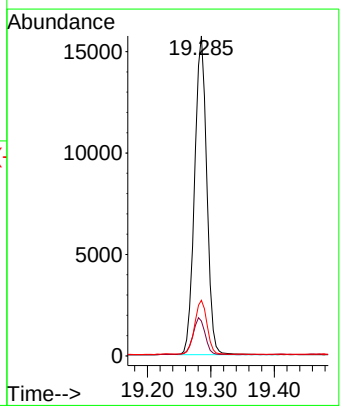


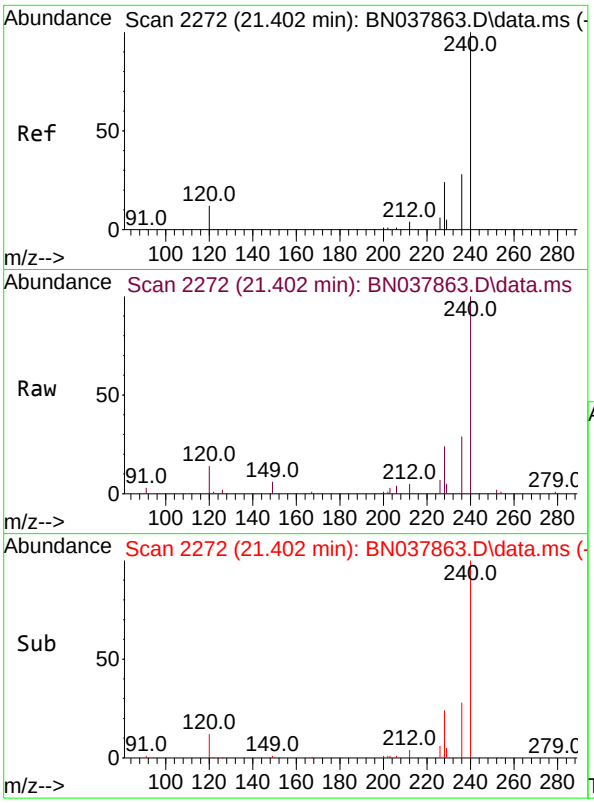


#28
Fluoranthene
Concen: 0.362 ng
RT: 19.285 min Scan# 1961
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

Tgt Ion:202 Resp: 20902

Ion	Ratio	Lower	Upper
202	100		
101	11.6	9.3	13.9
203	17.0	13.6	20.4



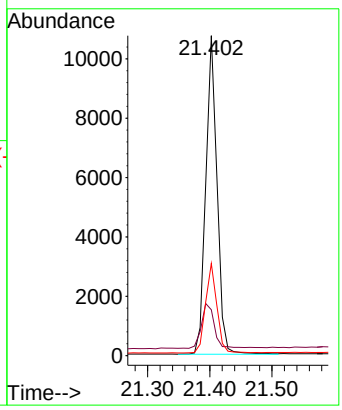


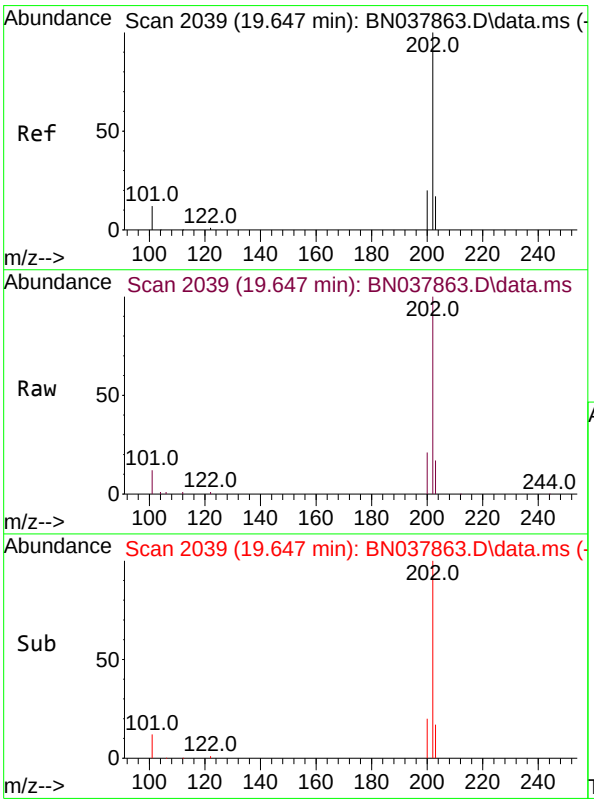
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.402 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:240 Resp: 13579

Ion	Ratio	Lower	Upper
240	100		
120	14.3	11.4	17.2
236	28.8	23.0	34.6

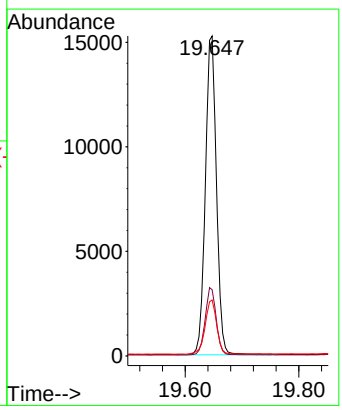


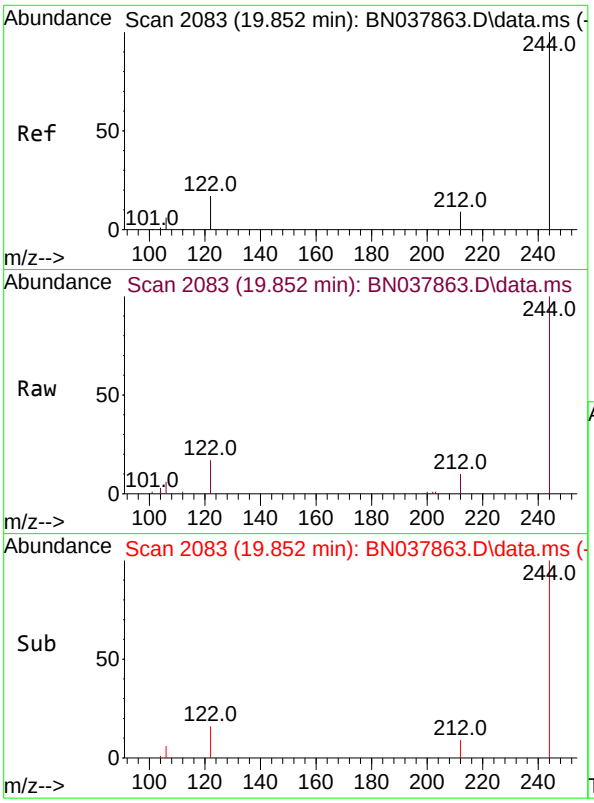


#30
Pyrene
Concen: 0.385 ng
RT: 19.647 min Scan# 2039
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

Tgt Ion:202 Resp: 20652

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.7	25.1
203	17.8	14.2	21.4



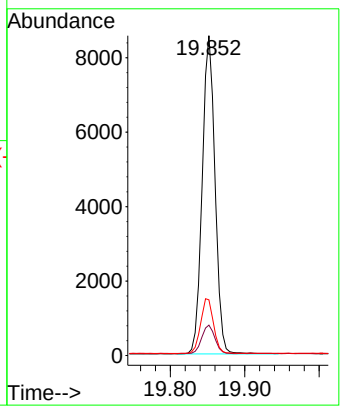


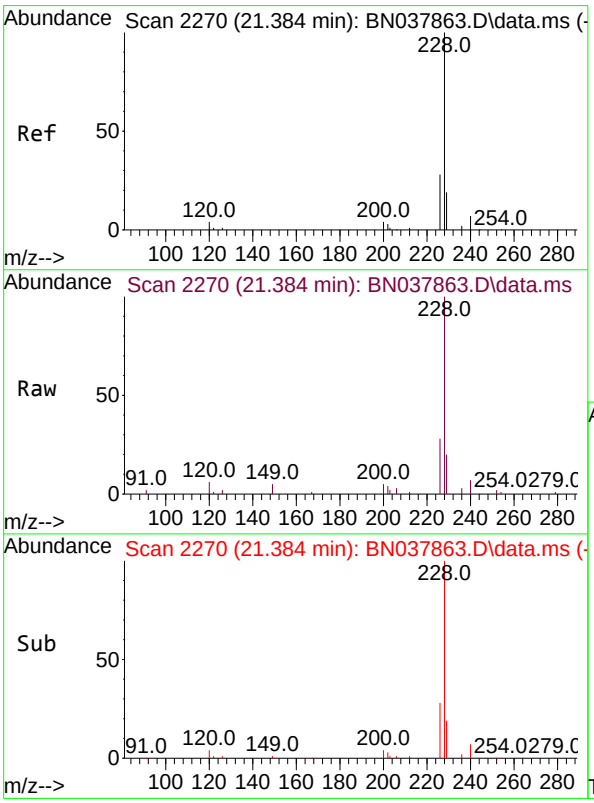
#31
Terphenyl-d14
Concen: 0.378 ng
RT: 19.852 min Scan# 20
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:244 Resp: 10222

Ion	Ratio	Lower	Upper
244	100		
212	9.5	7.6	11.4
122	17.4	13.9	20.9

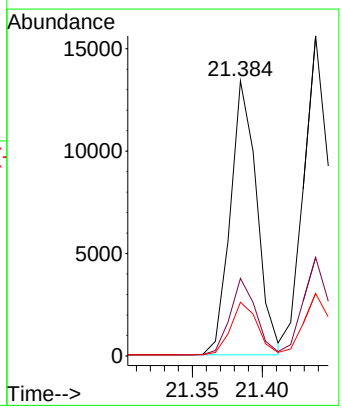


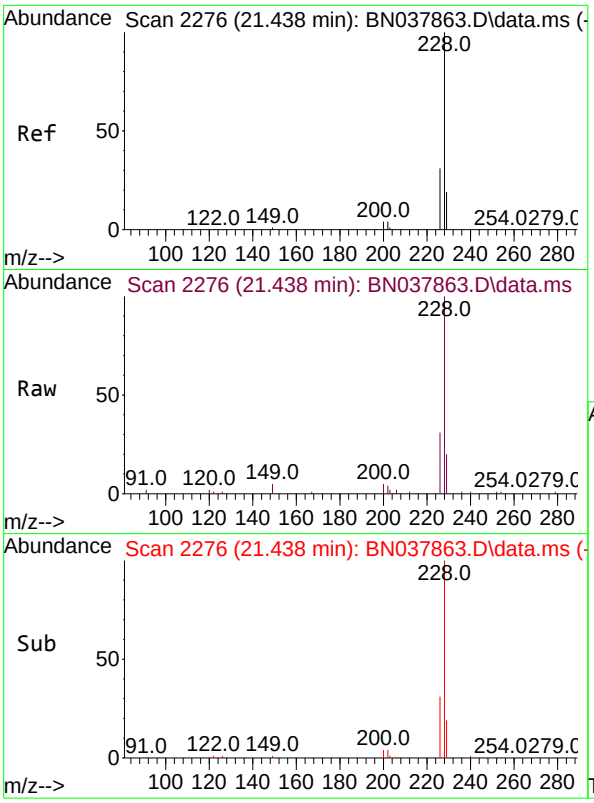


#32
Benzo(a)anthracene
Concen: 0.370 ng
RT: 21.384 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

Tgt Ion:228 Resp: 17571

Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.6	33.8
229	19.5	15.6	23.4



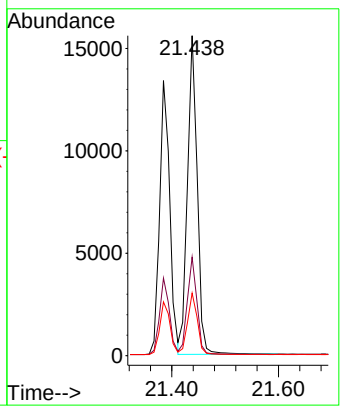


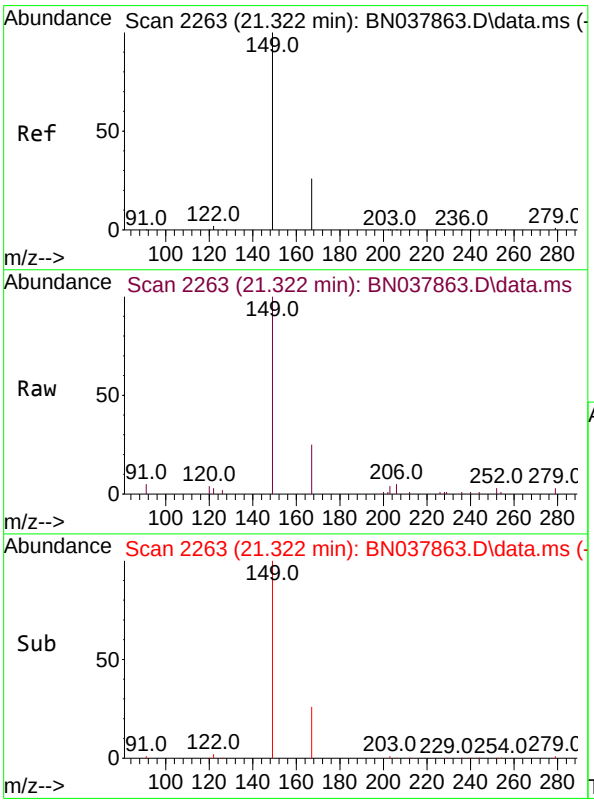
#33
Chrysene
Concen: 0.387 ng
RT: 21.438 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:228 Resp: 19852

Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.6	37.0
229	19.5	15.6	23.4

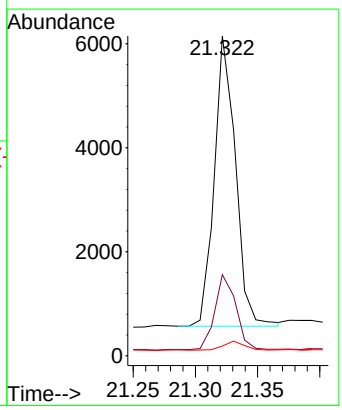


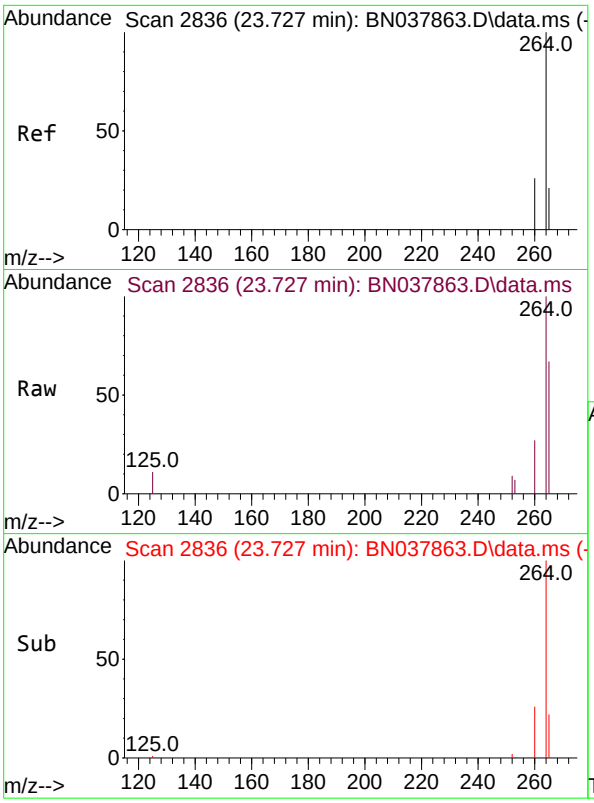


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.352 ng
RT: 21.322 min Scan# 2263
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

Tgt Ion:149 Resp: 6617

Ion	Ratio	Lower	Upper
149	100		
167	26.2	20.4	30.6
279	3.1	2.4	3.6



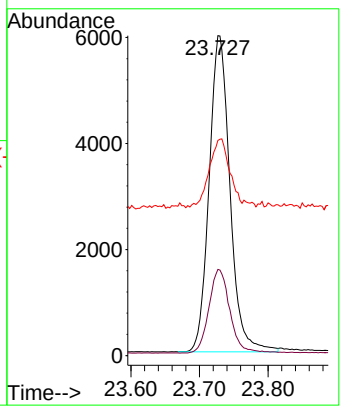


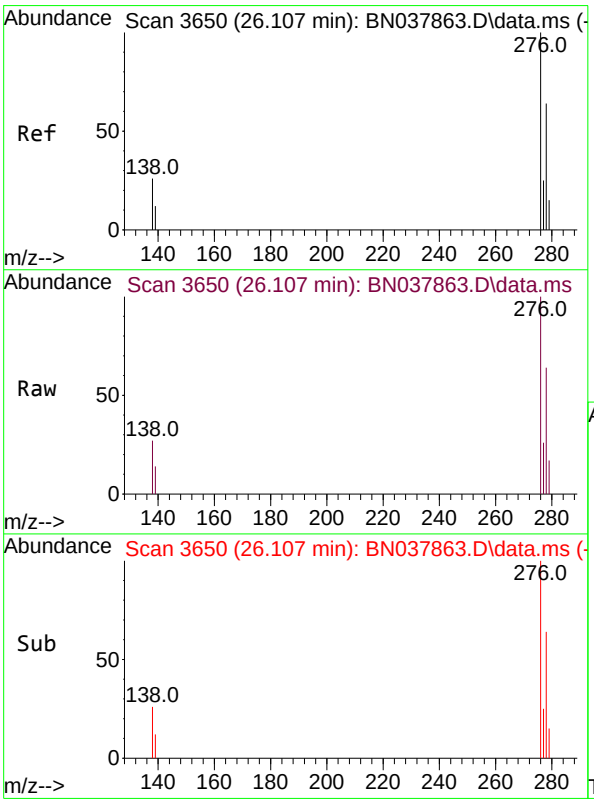
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.727 min Scan# 28
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:264 Resp: 12579

Ion	Ratio	Lower	Upper
264	100		
260	26.9	21.5	32.3
265	67.2	53.8	80.6

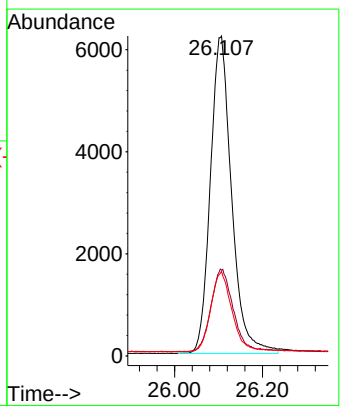


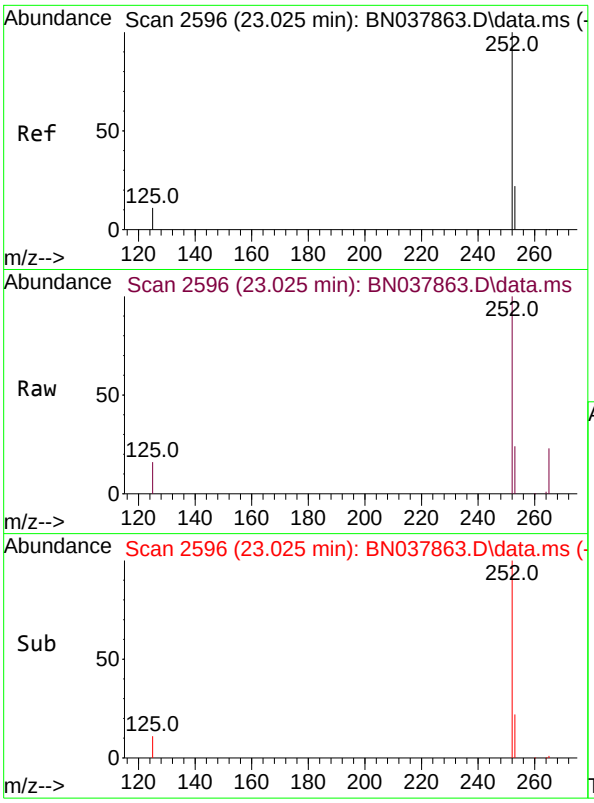


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.363 ng
RT: 26.107 min Scan# 3650
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

Tgt Ion:276 Resp: 20858

Ion	Ratio	Lower	Upper
276	100		
138	26.7	21.4	32.0
277	25.4	20.3	30.5



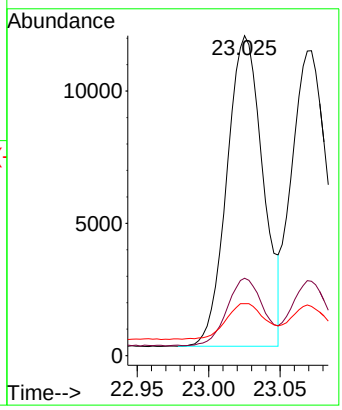


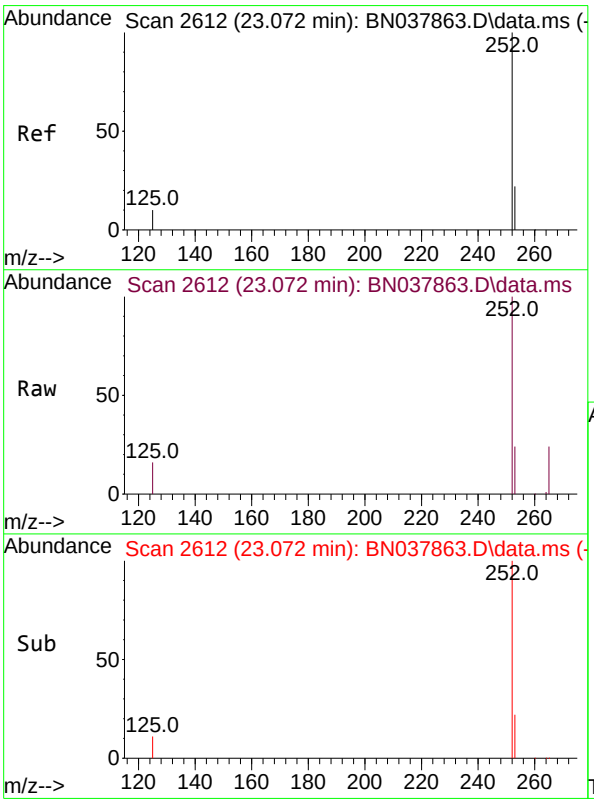
#37
Benzo(b)fluoranthene
Concen: 0.380 ng
RT: 23.025 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:252 Resp: 20638

Ion	Ratio	Lower	Upper
252	100		
253	24.2	19.4	29.0
125	16.2	13.0	19.4

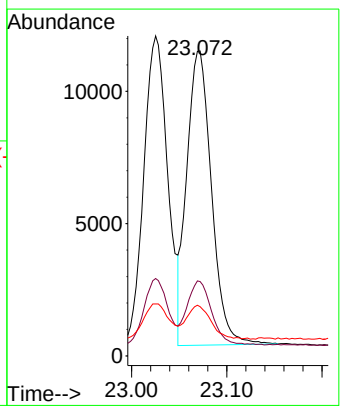


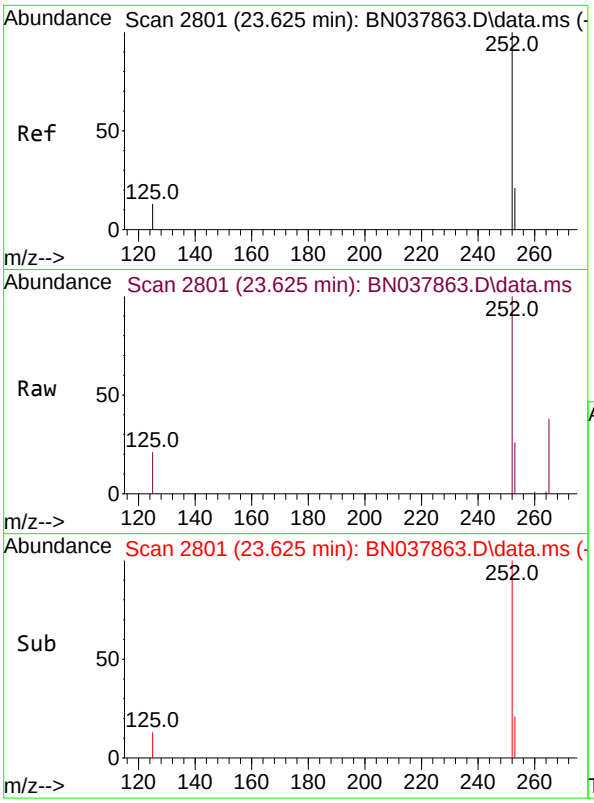


#38
Benzo(k)fluoranthene
Concen: 0.368 ng
RT: 23.072 min Scan# 2612
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

Tgt Ion:252 Resp: 20090

Ion	Ratio	Lower	Upper
252	100		
253	24.4	19.5	29.3
125	16.2	13.0	19.4



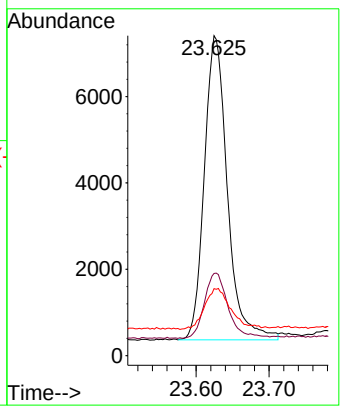


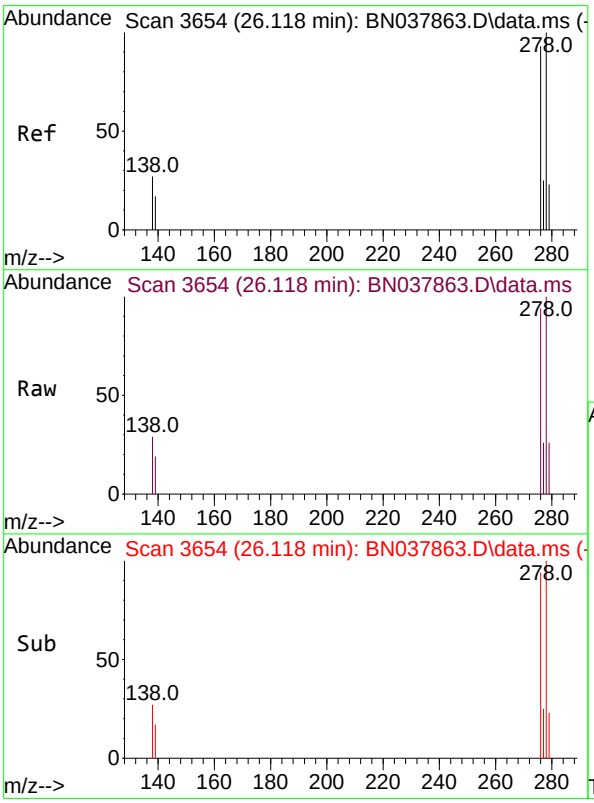
#39
Benzo(a)pyrene
Concen: 0.361 ng
RT: 23.625 min Scan# 28
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:252 Resp: 15479

Ion	Ratio	Lower	Upper
252	100		
253	25.7	20.6	30.8
125	20.9	16.7	25.1

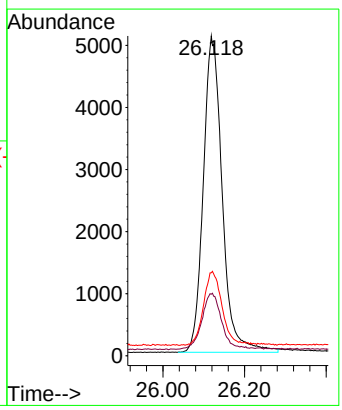


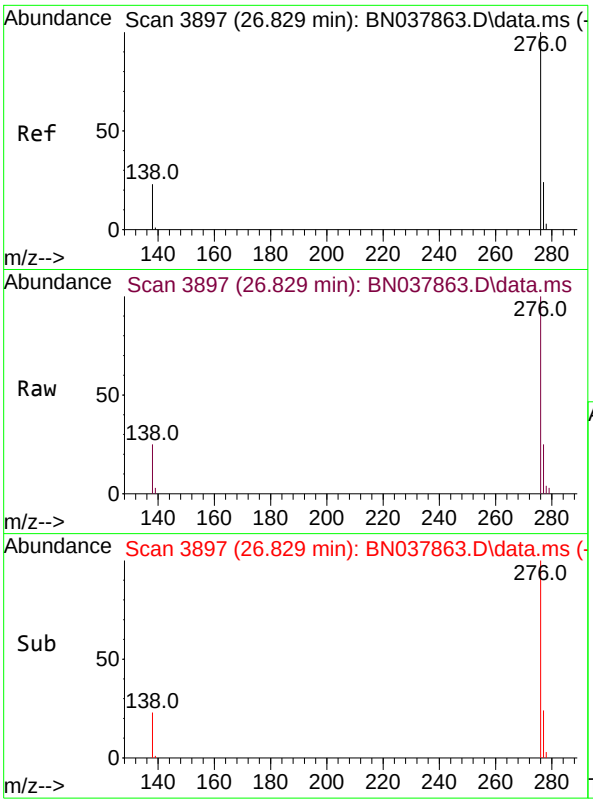


#40
Dibenzo(a,h)anthracene
Concen: 0.365 ng
RT: 26.118 min Scan# 3654
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

Tgt Ion:278 Resp: 16392

Ion	Ratio	Lower	Upper
278	100		
139	19.3	15.4	23.2
279	26.0	20.8	31.2



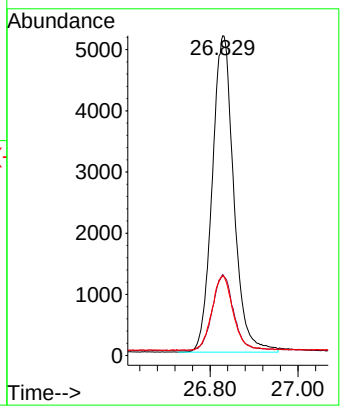


#41
Benzo(g,h,i)perylene
Concen: 0.374 ng
RT: 26.829 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:276 Resp: 17656

Ion	Ratio	Lower	Upper
276	100		
277	25.3	20.2	30.4
138	24.8	19.8	29.8



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092325\
Data File : BN037864.D
Acq On : 23 Sep 2025 14:02
Operator : RC/JU
Sample : SSTDICC0.8
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Quant Time: Sep 23 16:22:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 23 16:17:53 2025
Response via : Initial Calibration

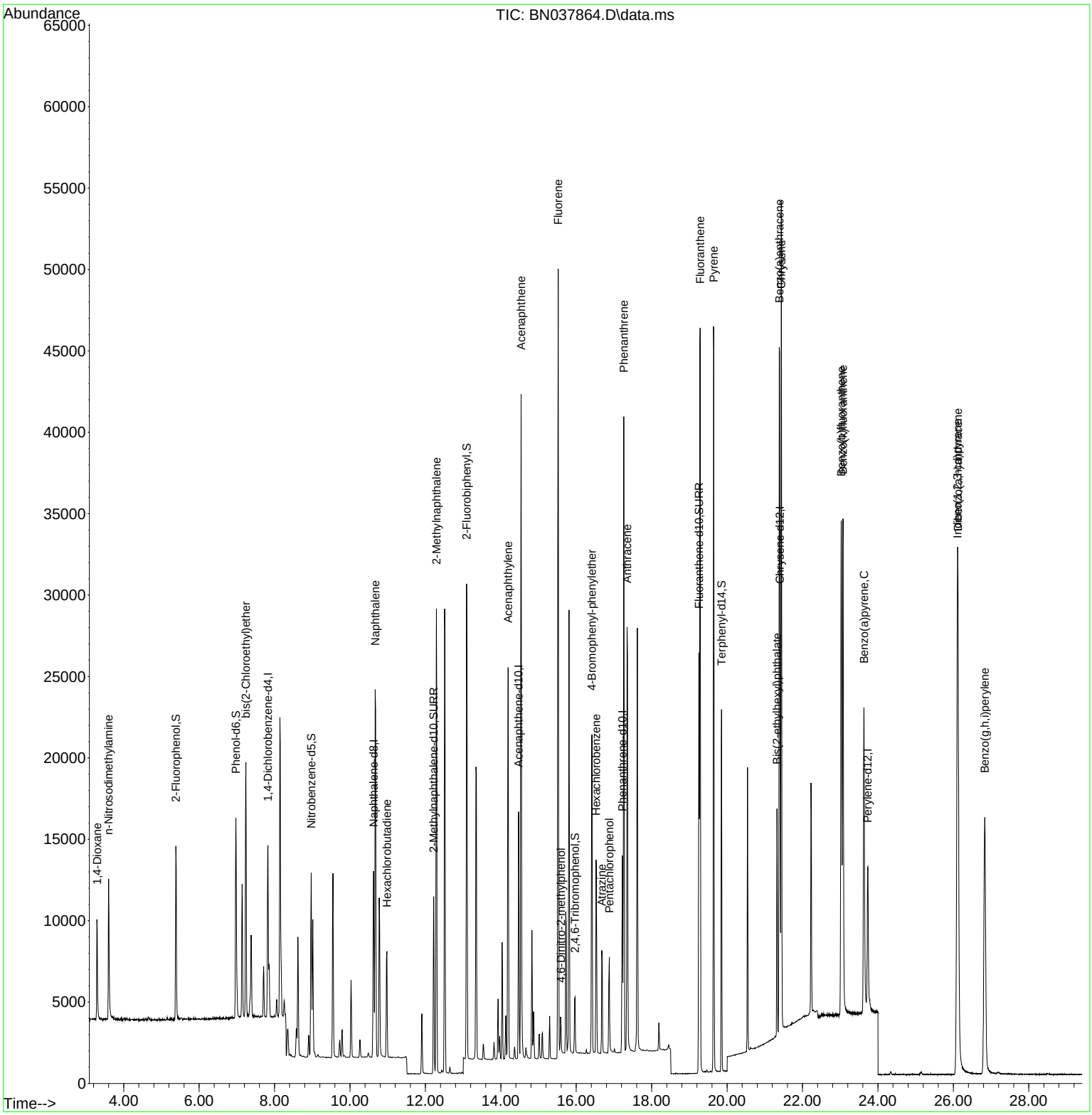
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.825	152	5204	0.400	ng		0.00
7) Naphthalene-d8	10.626	136	14715	0.400	ng		0.00
13) Acenaphthene-d10	14.473	164	7889	0.400	ng		0.00
19) Phenanthrene-d10	17.223	188	15207	0.400	ng		0.00
29) Chrysene-d12	21.402	240	13674	0.400	ng		0.00
35) Perylene-d12	23.730	264	12464	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.384	112	8737	0.736	ng		0.00
5) Phenol-d6	6.973	99	11319	0.725	ng		0.00
8) Nitrobenzene-d5	8.971	82	8536	0.761	ng		0.00
11) 2-Methylnaphthalene-d10	12.217	152	14822	0.725	ng		0.00
14) 2,4,6-Tribromophenol	15.969	330	2186	0.687	ng		0.00
15) 2-Fluorobiphenyl	13.094	172	24413	0.756	ng		0.00
27) Fluoranthene-d10	19.252	212	27365	0.715	ng		0.00
31) Terphenyl-d14	19.852	244	20095	0.738	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.297	88	4191	0.793	ng		98
3) n-Nitrosodimethylamine	3.600	42	5472	0.779	ng	#	89
6) bis(2-Chloroethyl)ether	7.240	93	11096	0.766	ng		99
9) Naphthalene	10.669	128	30935	0.763	ng		99
10) Hexachlorobutadiene	10.979	225	5393	0.780	ng	#	99
12) 2-Methylnaphthalene	12.293	142	20065	0.758	ng		99
16) Acenaphthylene	14.195	152	26510	0.740	ng		99
17) Acenaphthene	14.537	154	19057	0.747	ng		100
18) Fluorene	15.522	166	23130	0.749	ng		99
20) 4,6-Dinitro-2-methylph...	15.597	198	1414	0.755	ng	#	77
21) 4-Bromophenyl-phenylether	16.416	248	7412	0.748	ng		98
22) Hexachlorobenzene	16.528	284	9138	0.761	ng		99
23) Atrazine	16.677	200	5405	0.716	ng	#	87
24) Pentachlorophenol	16.875	266	2945	0.714	ng		97
25) Phenanthrene	17.260	178	37218	0.744	ng		99
26) Anthracene	17.347	178	32138	0.740	ng		100
28) Fluoranthene	19.285	202	41292	0.749	ng		100
30) Pyrene	19.643	202	40377	0.748	ng		100
32) Benzo(a)anthracene	21.384	228	35130	0.735	ng		100
33) Chrysene	21.438	228	39541	0.765	ng		100
34) Bis(2-ethylhexyl)phtha...	21.322	149	13026	0.689	ng		99
36) Indeno(1,2,3-cd)pyrene	26.107	276	42560	0.747	ng		100
37) Benzo(b)fluoranthene	23.025	252	39646	0.738	ng		96
38) Benzo(k)fluoranthene	23.075	252	40574	0.750	ng		96
39) Benzo(a)pyrene	23.627	252	31265	0.735	ng		94
40) Dibenzo(a,h)anthracene	26.121	278	33235	0.747	ng		98
41) Benzo(g,h,i)perylene	26.835	276	34817	0.745	ng		98

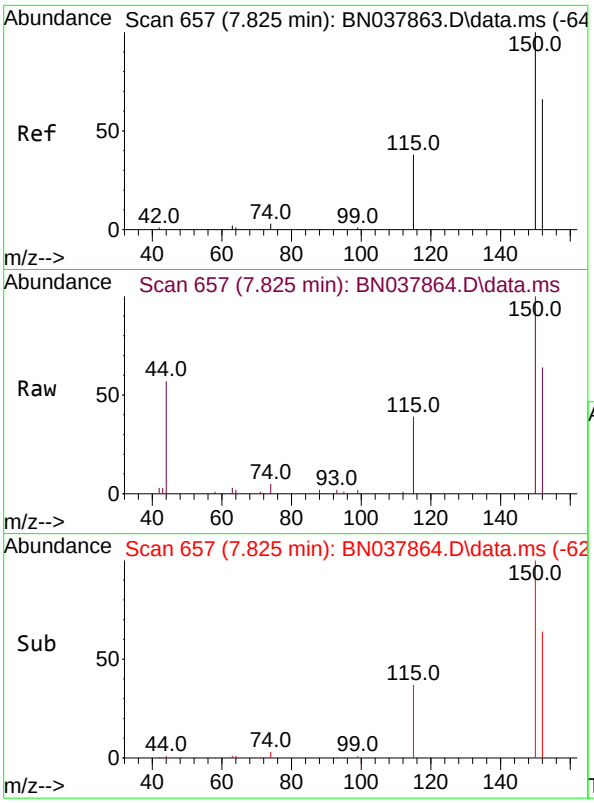
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092325\
Data File : BN037864.D
Acq On : 23 Sep 2025 14:02
Operator : RC/JU
Sample : SSTDICC0.8
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Quant Time: Sep 23 16:22:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 23 16:17:53 2025
Response via : Initial Calibration



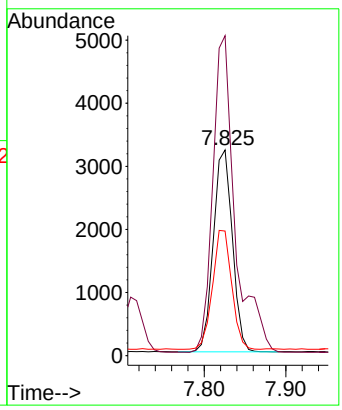


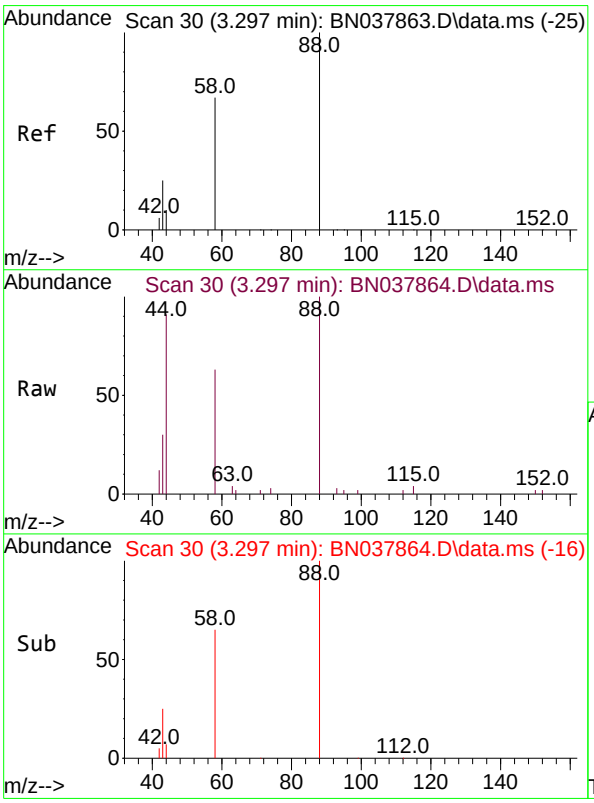
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.825 min Scan# 6
Delta R.T. 0.000 min
Lab File: BN037864.D
Acq: 23 Sep 2025 14:02

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:152 Resp: 5204

Ion	Ratio	Lower	Upper
152	100		
150	155.6	121.0	181.4
115	60.6	47.4	71.0

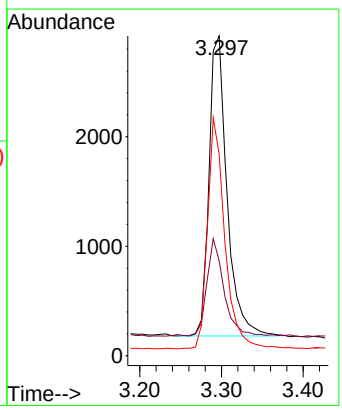


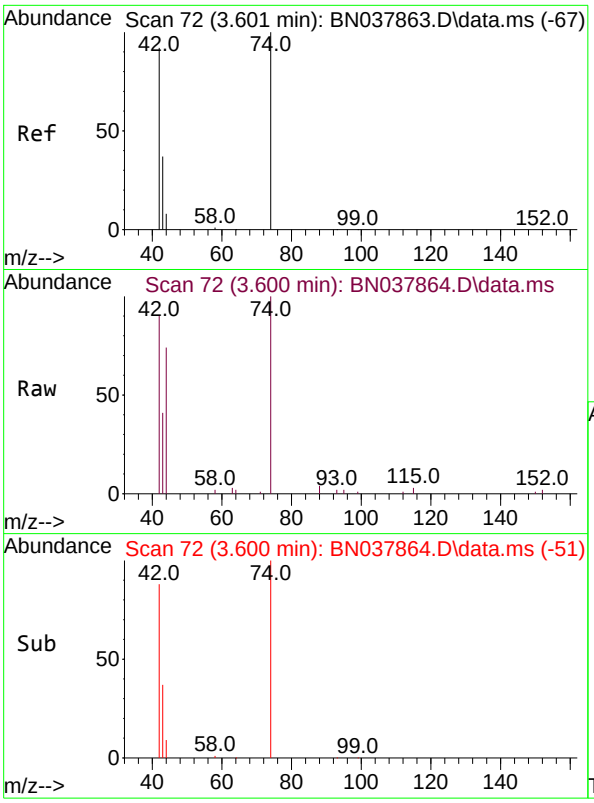


#2
1,4-Dioxane
Concen: 0.793 ng
RT: 3.297 min Scan# 30
Delta R.T. -0.000 min
Lab File: BN037864.D
Acq: 23 Sep 2025 14:02

Tgt Ion: 88 Resp: 4191

Ion	Ratio	Lower	Upper
88	100		
43	30.7	26.6	39.8
58	74.2	58.9	88.3



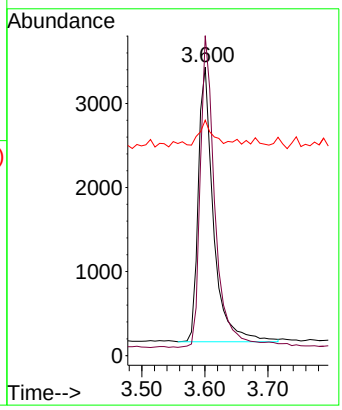


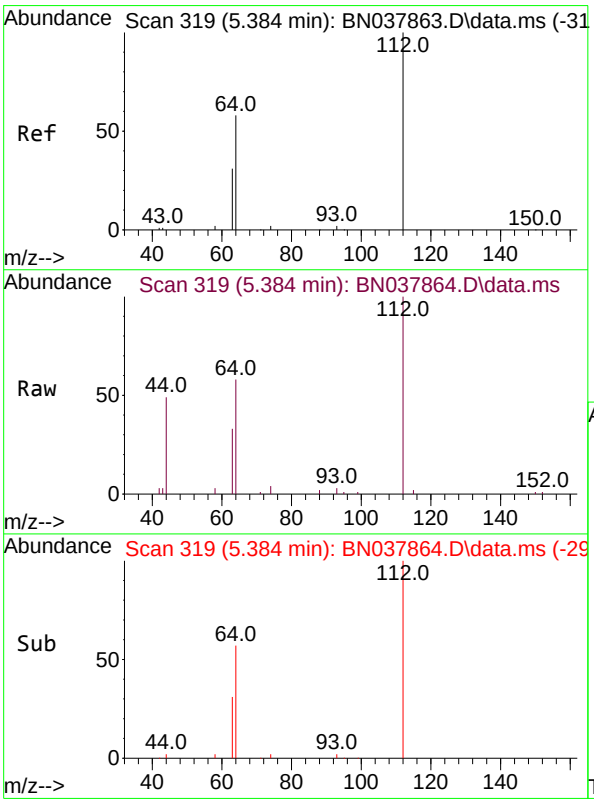
#3
n-Nitrosodimethylamine
Concen: 0.779 ng
RT: 3.600 min Scan# 7
Delta R.T. -0.000 min
Lab File: BN037864.D
Acq: 23 Sep 2025 14:02

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion: 42 Resp: 5472

Ion	Ratio	Lower	Upper
42	100		
74	111.5	93.4	140.0
44	7.3	22.2	33.4#

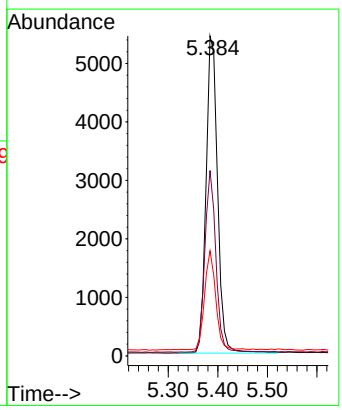


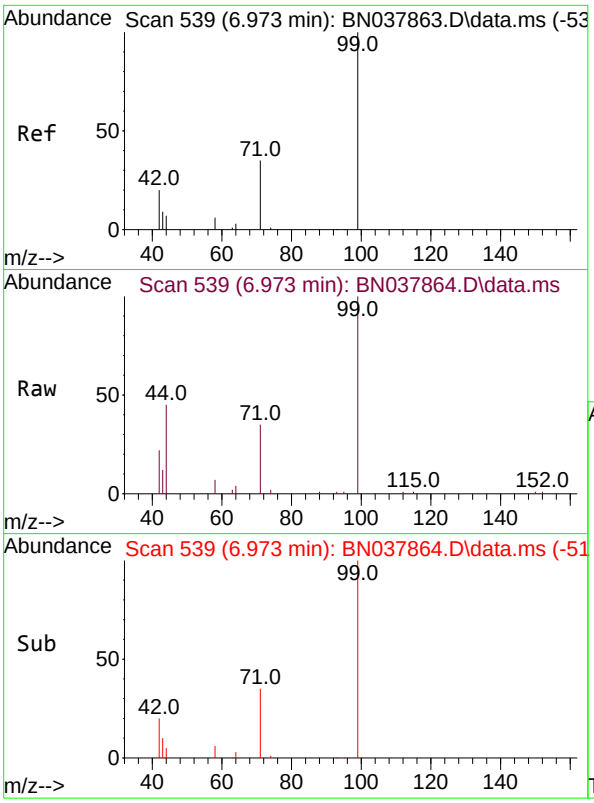


#4
2-Fluorophenol
Concen: 0.736 ng
RT: 5.384 min Scan# 319
Delta R.T. -0.000 min
Lab File: BN037864.D
Acq: 23 Sep 2025 14:02

Tgt Ion:112 Resp: 8737

Ion	Ratio	Lower	Upper
112	100		
64	54.9	44.6	66.8
63	29.8	24.9	37.3



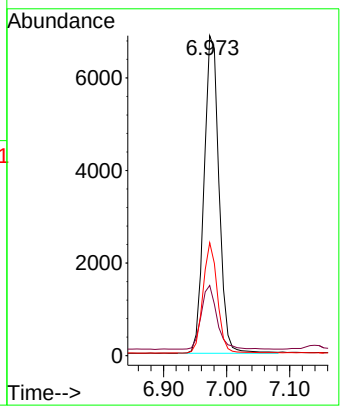


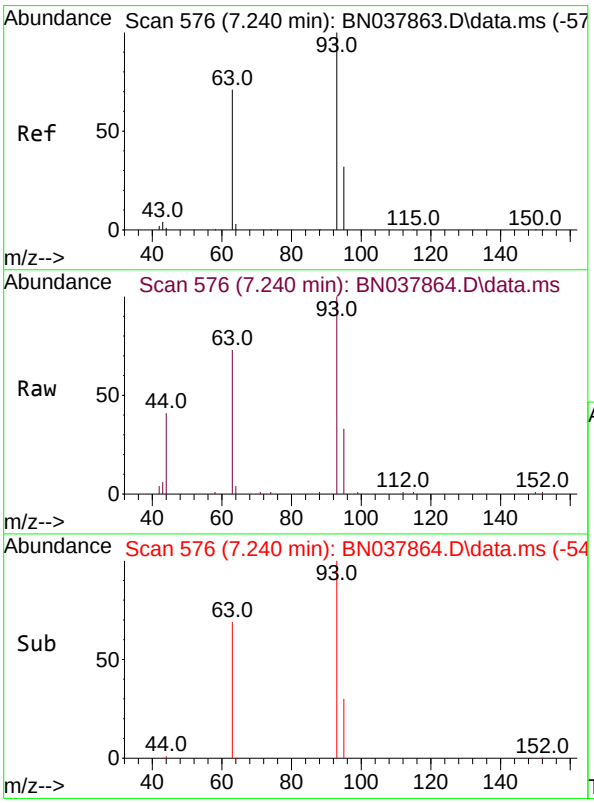
#5
Phenol-d6
Concen: 0.725 ng
RT: 6.973 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN037864.D
Acq: 23 Sep 2025 14:02

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion: 99 Resp: 11319

Ion	Ratio	Lower	Upper
99	100		
42	21.0	17.2	25.8
71	33.5	27.3	40.9

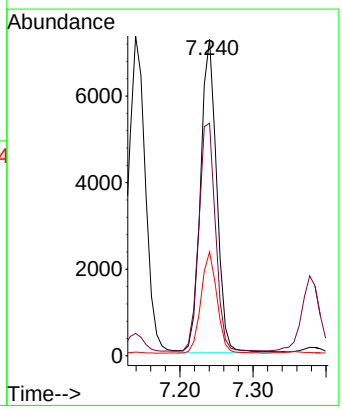


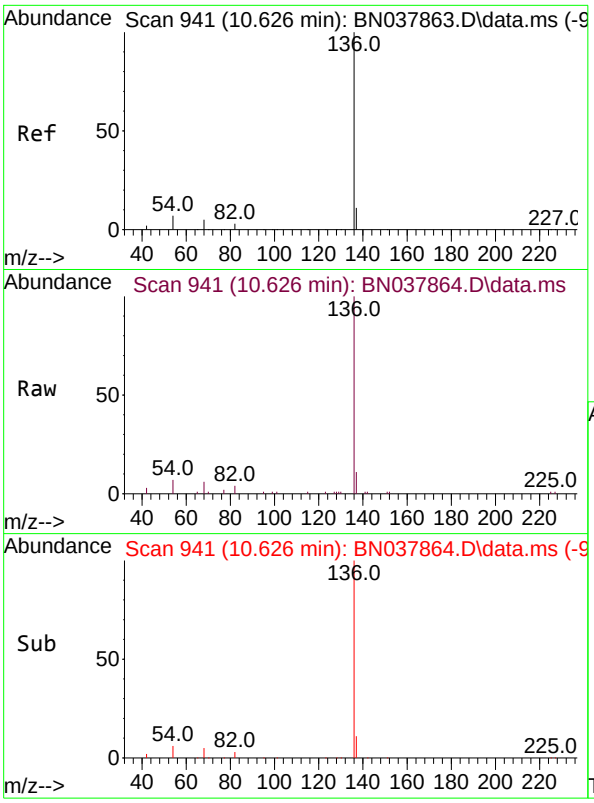


#6
bis(2-Chloroethyl)ether
Concen: 0.766 ng
RT: 7.240 min Scan# 576
Delta R.T. -0.000 min
Lab File: BN037864.D
Acq: 23 Sep 2025 14:02

Tgt Ion: 93 Resp: 11096

Ion	Ratio	Lower	Upper
93	100		
63	75.5	60.1	90.1
95	32.2	25.4	38.2



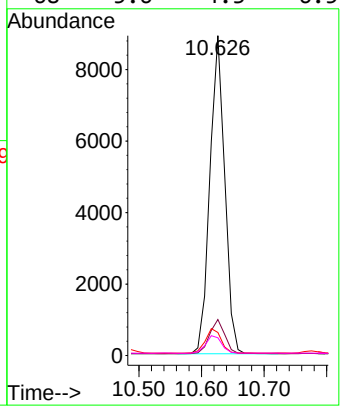


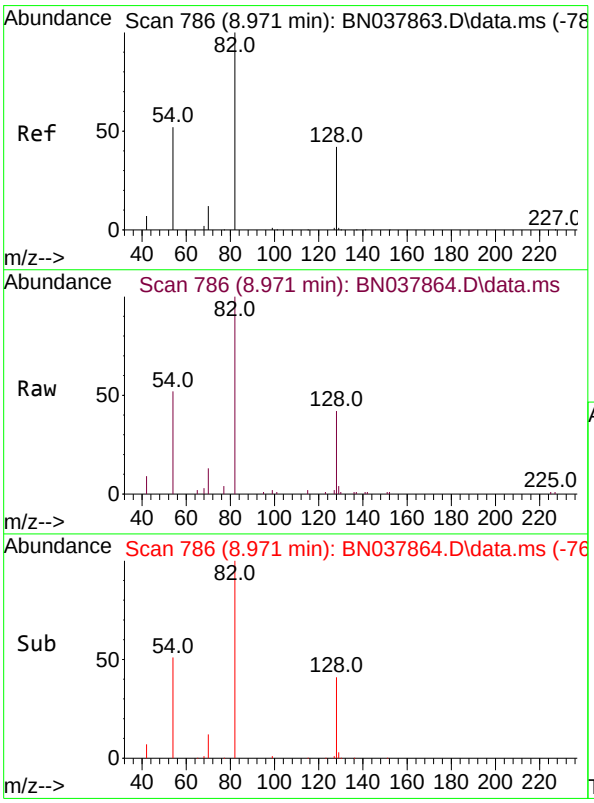
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.626 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN037864.D
Acq: 23 Sep 2025 14:02

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:136 Resp: 14715

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.4
54	7.2	5.8	8.8
68	5.6	4.3	6.5

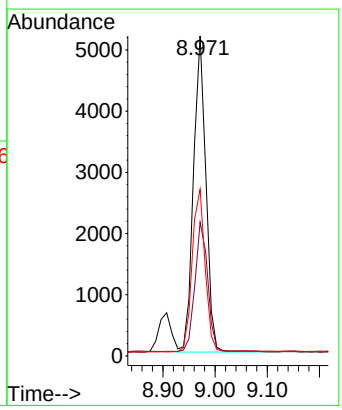


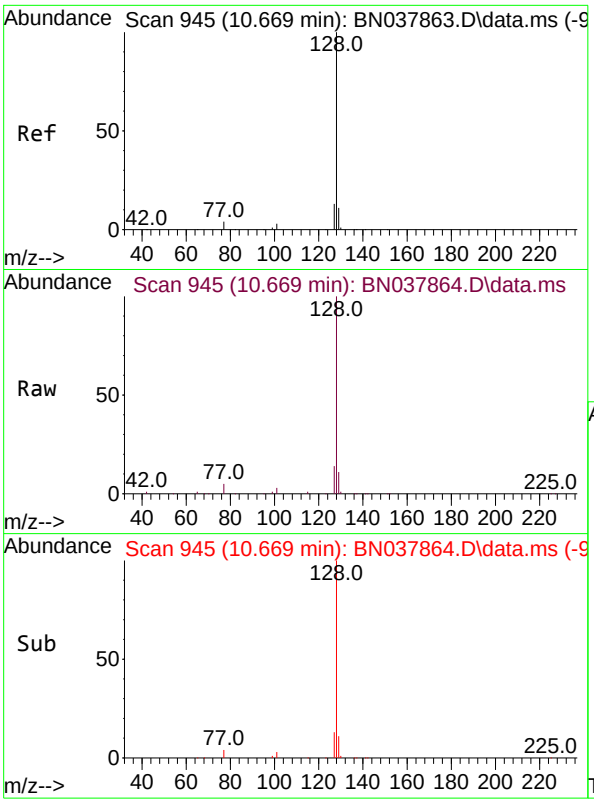


#8
Nitrobenzene-d5
Concen: 0.761 ng
RT: 8.971 min Scan# 786
Delta R.T. -0.000 min
Lab File: BN037864.D
Acq: 23 Sep 2025 14:02

Tgt Ion: 82 Resp: 8536

Ion	Ratio	Lower	Upper
82	100		
128	41.8	34.8	52.2
54	52.1	42.2	63.2



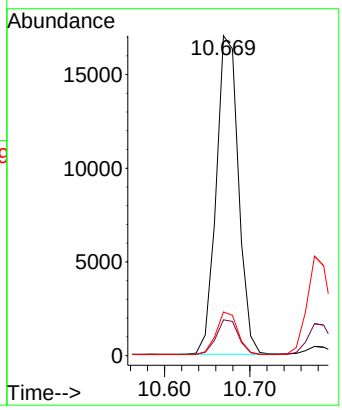


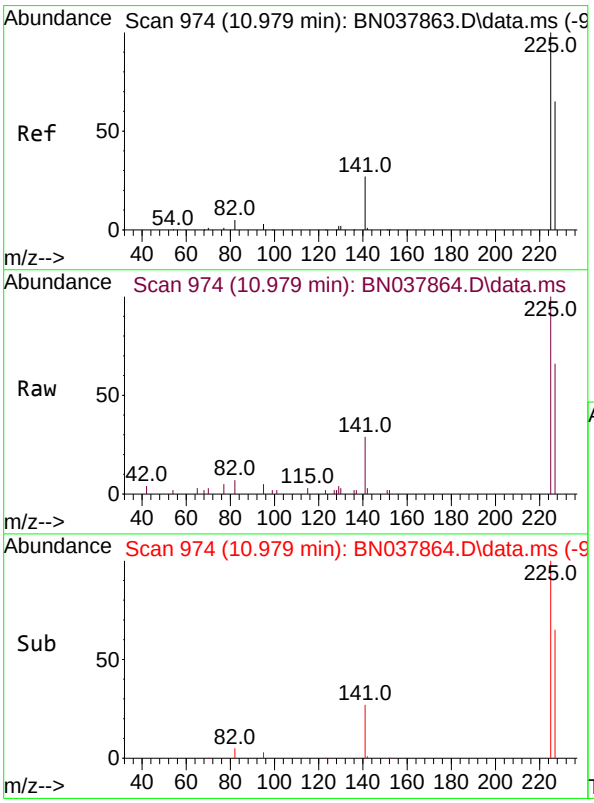
#9
Naphthalene
Concen: 0.763 ng
RT: 10.669 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN037864.D
Acq: 23 Sep 2025 14:02

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:128 Resp: 30935

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.2	13.8
127	13.6	11.0	16.6

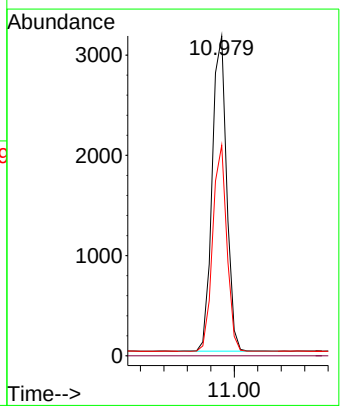


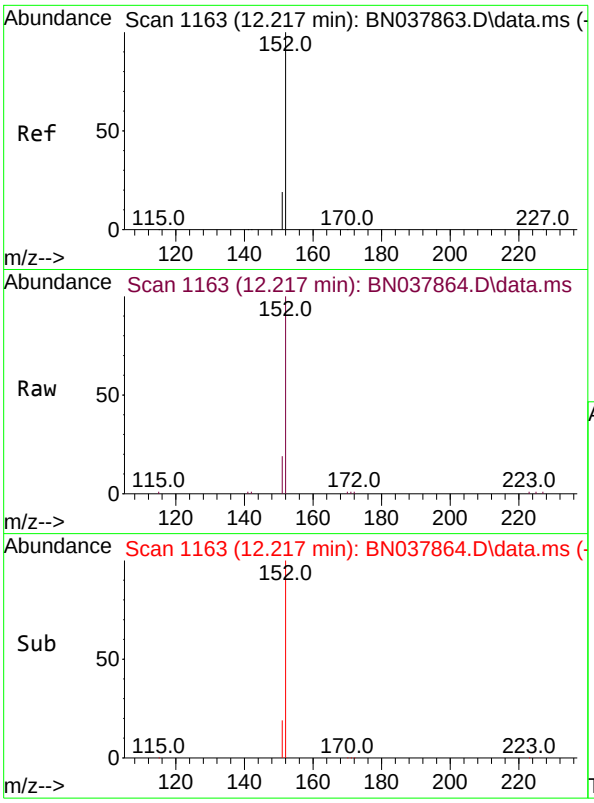


#10
Hexachlorobutadiene
Concen: 0.780 ng
RT: 10.979 min Scan# 974
Delta R.T. -0.000 min
Lab File: BN037864.D
Acq: 23 Sep 2025 14:02

Tgt Ion:225 Resp: 5393

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.7	51.4	77.2



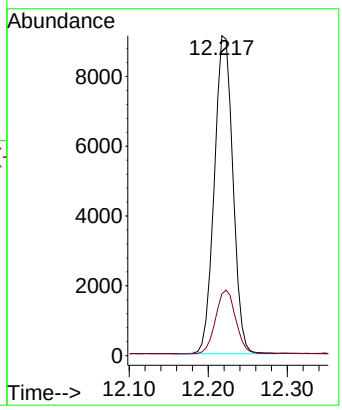


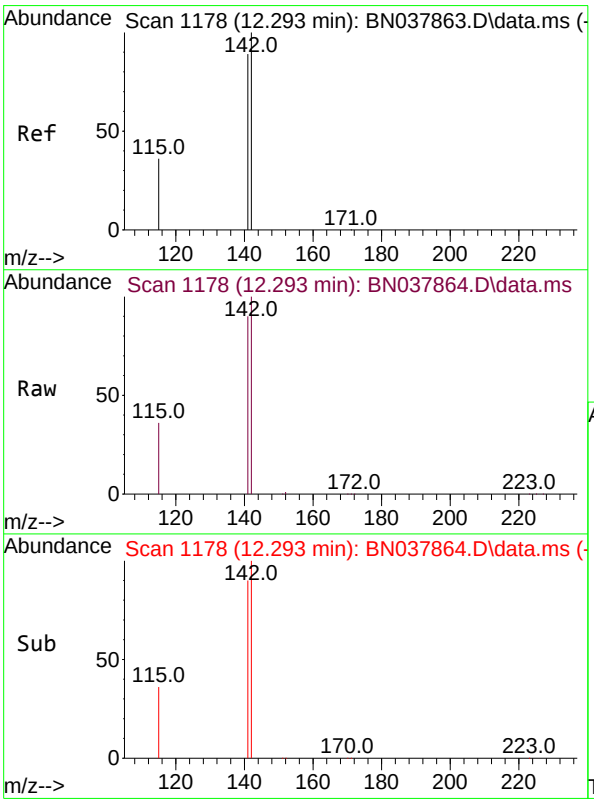
#11
2-Methylnaphthalene-d10
Concen: 0.725 ng
RT: 12.217 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN037864.D
Acq: 23 Sep 2025 14:02

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:152 Resp: 14822

Ion	Ratio	Lower	Upper
152	100		
151	21.7	17.4	26.2

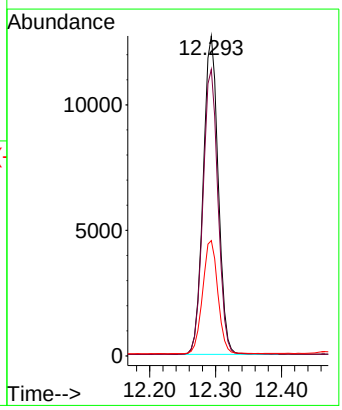


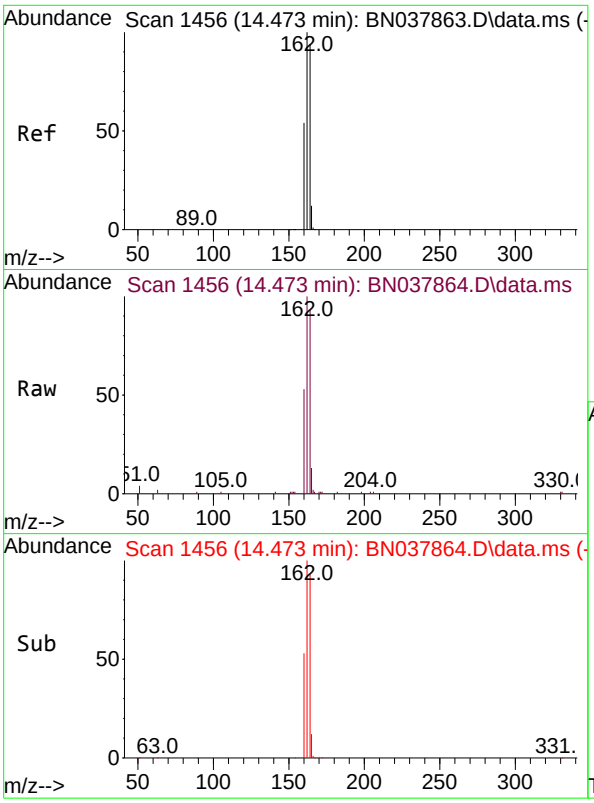


#12
2-Methylnaphthalene
Concen: 0.758 ng
RT: 12.293 min Scan# 1178
Delta R.T. -0.000 min
Lab File: BN037864.D
Acq: 23 Sep 2025 14:02

Tgt Ion:142 Resp: 20065

Ion	Ratio	Lower	Upper
142	100		
141	89.5	71.2	106.8
115	36.0	29.7	44.5



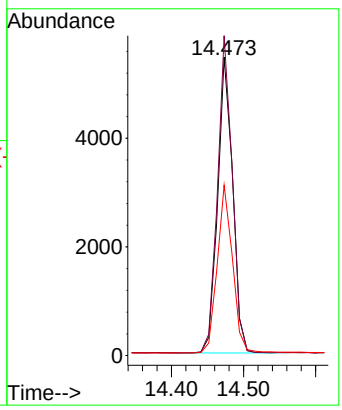


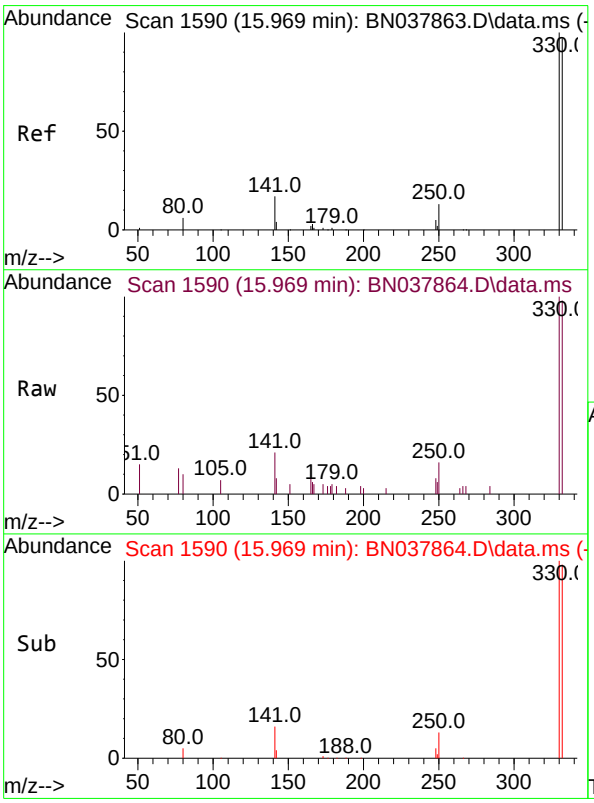
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.473 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN037864.D
Acq: 23 Sep 2025 14:02

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:164 Resp: 7889

Ion	Ratio	Lower	Upper
164	100		
162	107.2	84.8	127.2
160	57.1	46.1	69.1

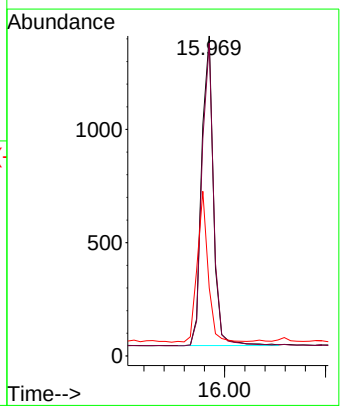


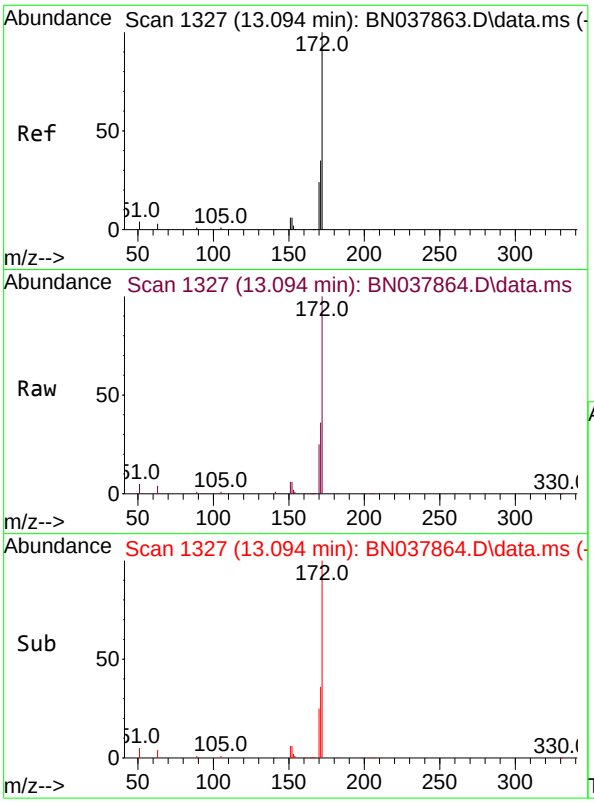


#14
2,4,6-Tribromophenol
Concen: 0.687 ng
RT: 15.969 min Scan# 1590
Delta R.T. -0.000 min
Lab File: BN037864.D
Acq: 23 Sep 2025 14:02

Tgt Ion:330 Resp: 2186

Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.2	115.8
141	45.1	37.2	55.8



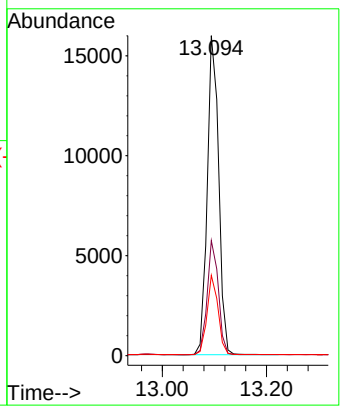


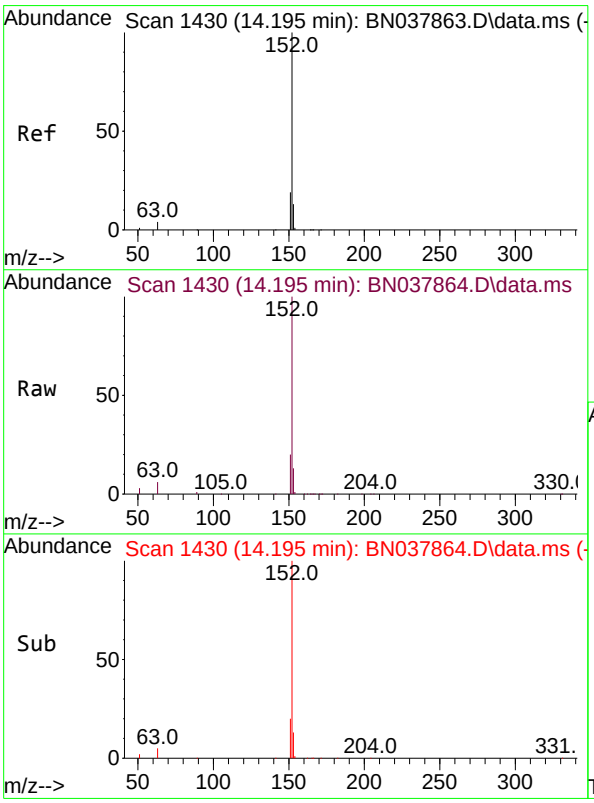
#15
2-Fluorobiphenyl
Concen: 0.756 ng
RT: 13.094 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037864.D
Acq: 23 Sep 2025 14:02

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:172 Resp: 24413

Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.6	43.0
170	25.1	19.7	29.5

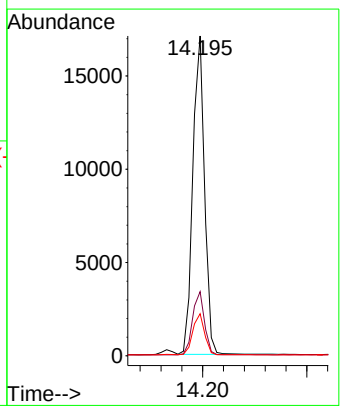


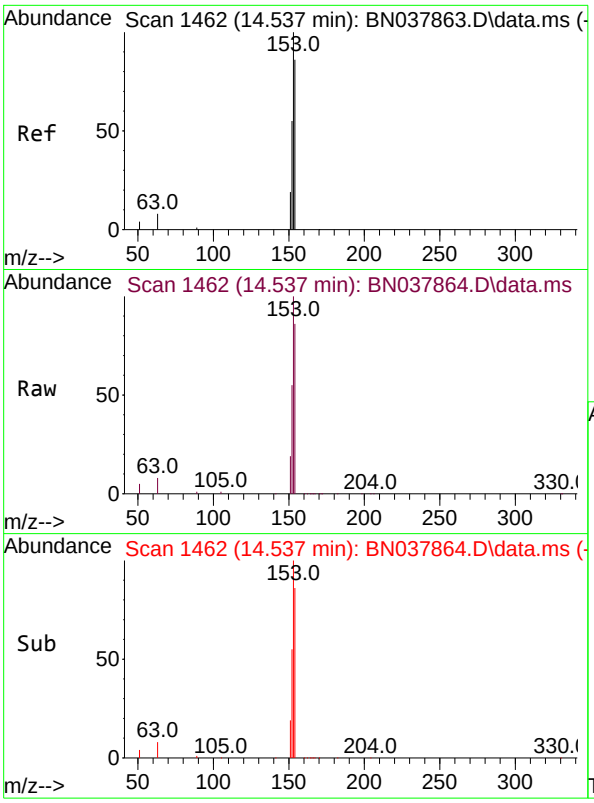


#16
Acenaphthylene
Concen: 0.740 ng
RT: 14.195 min Scan# 1430
Delta R.T. -0.000 min
Lab File: BN037864.D
Acq: 23 Sep 2025 14:02

Tgt Ion:152 Resp: 26510

Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.8	23.8
153	12.9	10.5	15.7



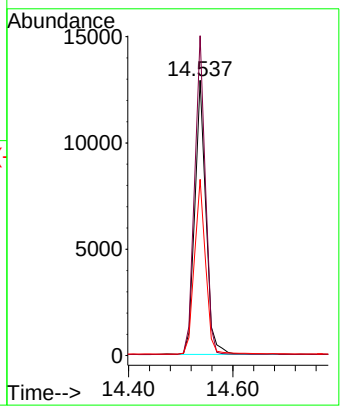


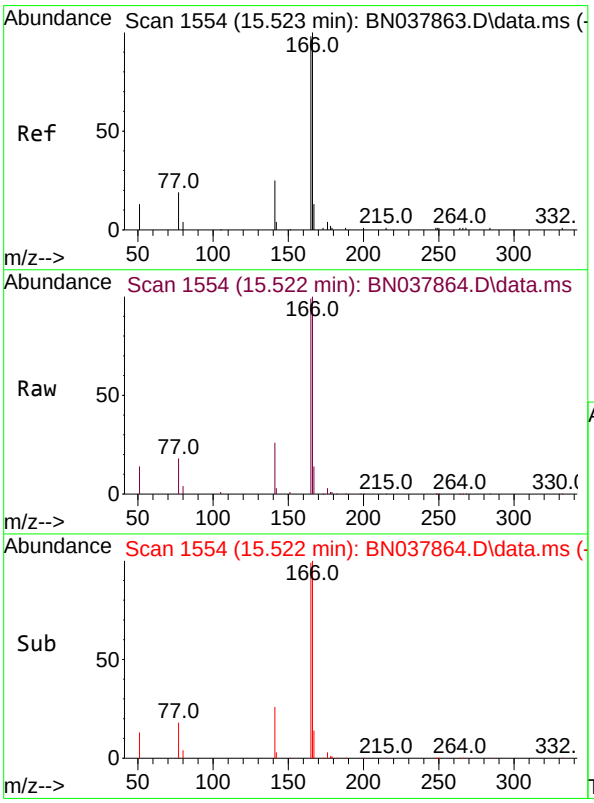
#17
Acenaphthene
Concen: 0.747 ng
RT: 14.537 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN037864.D
Acq: 23 Sep 2025 14:02

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:154 Resp: 19057

Ion	Ratio	Lower	Upper
154	100		
153	112.9	90.5	135.7
152	64.2	51.8	77.8

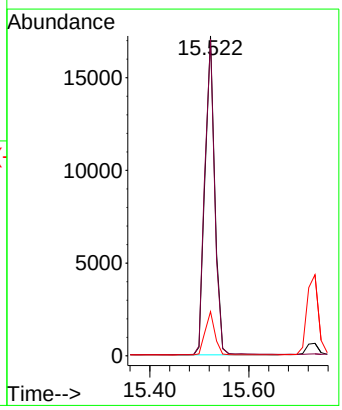


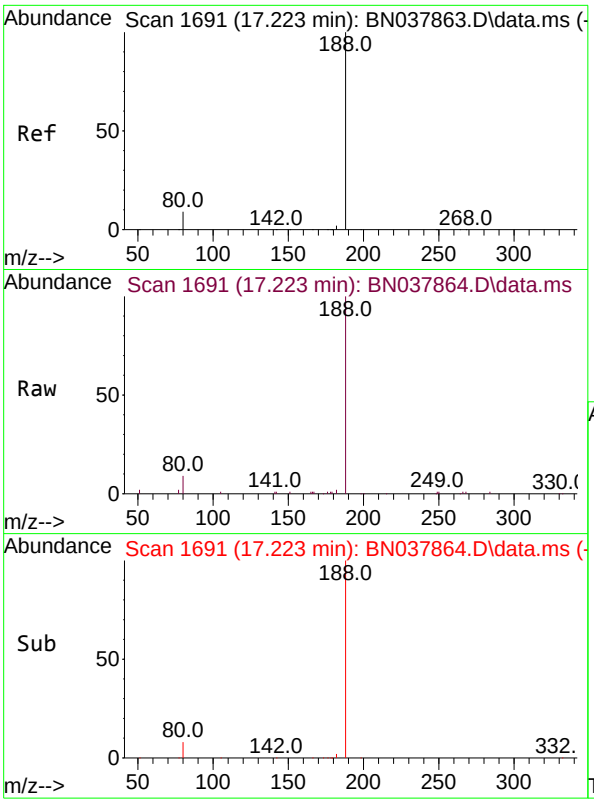


#18
Fluorene
Concen: 0.749 ng
RT: 15.522 min Scan# 1554
Delta R.T. -0.000 min
Lab File: BN037864.D
Acq: 23 Sep 2025 14:02

Tgt Ion:166 Resp: 23130

Ion	Ratio	Lower	Upper
166	100		
165	99.4	79.0	118.4
167	13.4	10.6	16.0



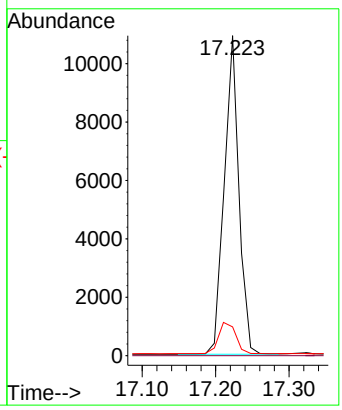


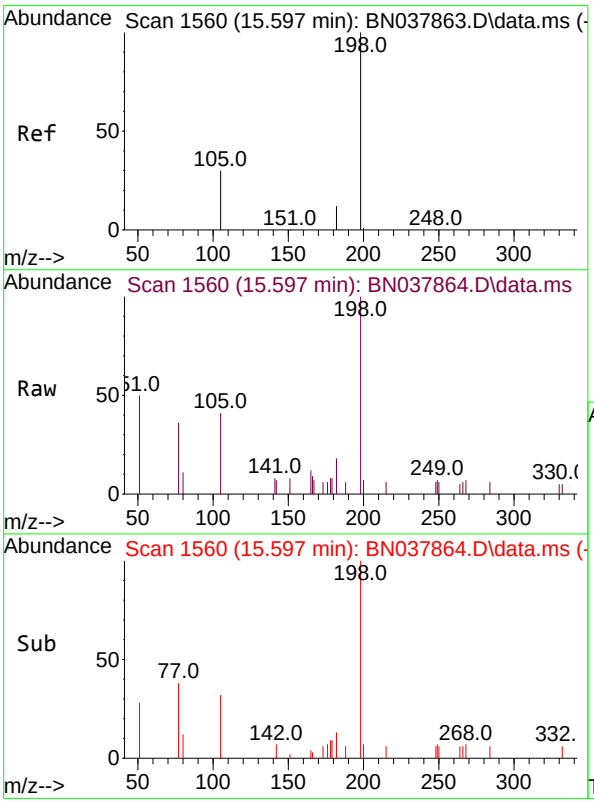
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.223 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037864.D
Acq: 23 Sep 2025 14:02

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:188 Resp: 15207

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.0	7.6	11.4

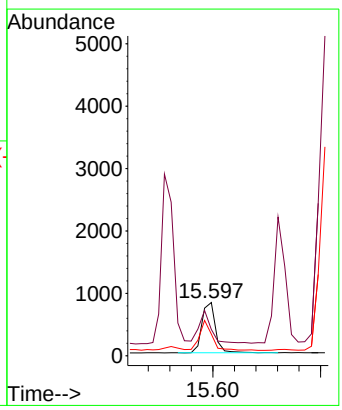


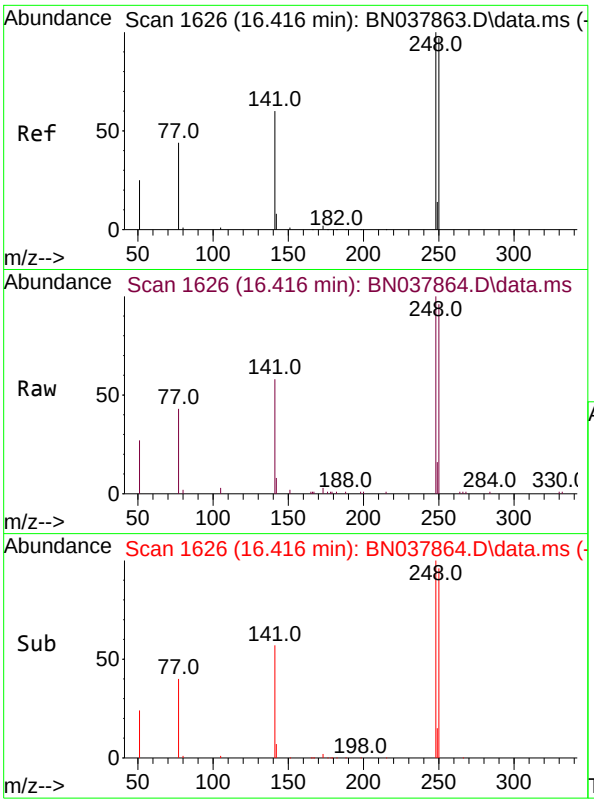


#20
4,6-Dinitro-2-methylphenol
Concen: 0.755 ng
RT: 15.597 min Scan# 1560
Delta R.T. -0.000 min
Lab File: BN037864.D
Acq: 23 Sep 2025 14:02

Tgt Ion:198 Resp: 1414

Ion	Ratio	Lower	Upper
198	100		
51	49.5	59.1	88.7#
105	41.0	41.3	61.9#



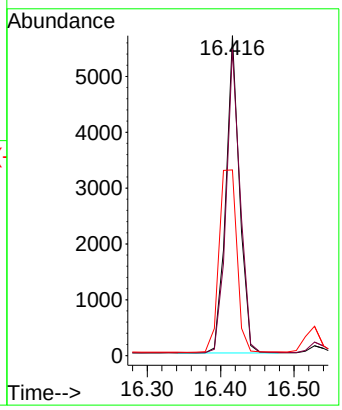


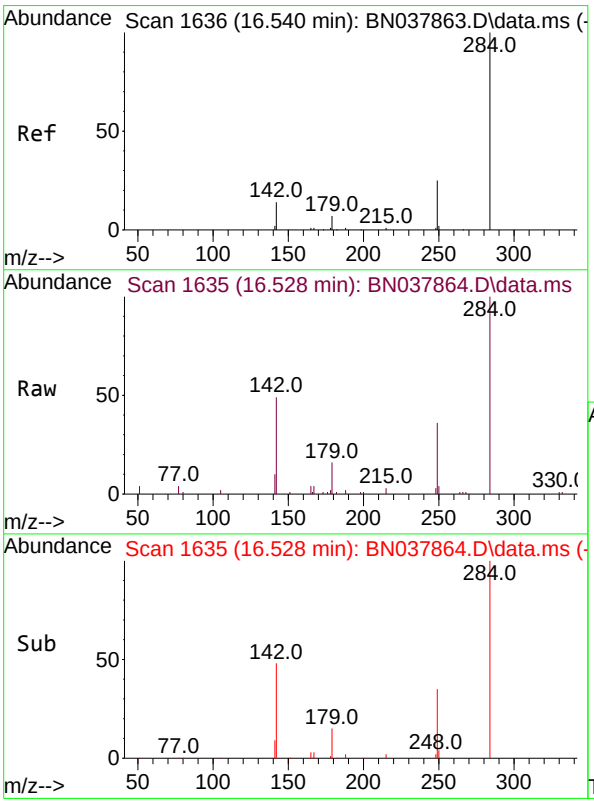
#21
4-Bromophenyl-phenylether
Concen: 0.748 ng
RT: 16.416 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037864.D
Acq: 23 Sep 2025 14:02

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:248 Resp: 7412

Ion	Ratio	Lower	Upper
248	100		
250	95.7	77.6	116.4
141	58.0	48.8	73.2

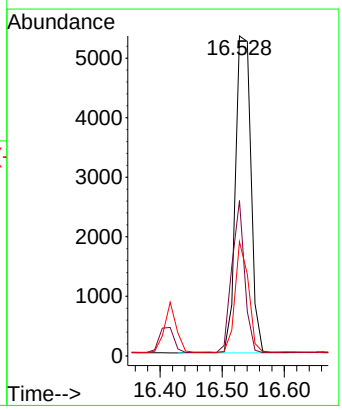


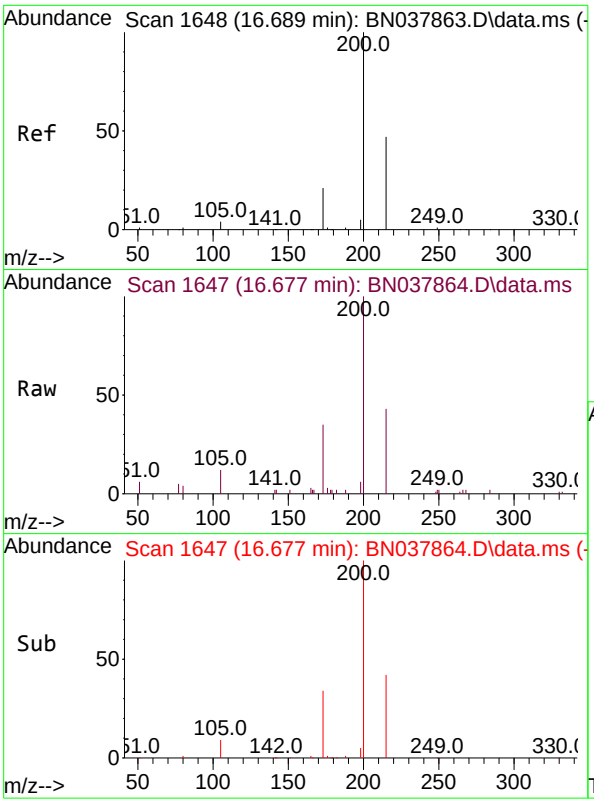


#22
Hexachlorobenzene
Concen: 0.761 ng
RT: 16.528 min Scan# 1635
Delta R.T. -0.012 min
Lab File: BN037864.D
Acq: 23 Sep 2025 14:02

Tgt Ion:284 Resp: 9138

Ion	Ratio	Lower	Upper
284	100		
142	39.7	30.9	46.3
249	30.2	23.9	35.9



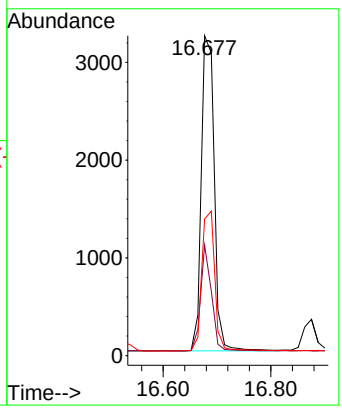


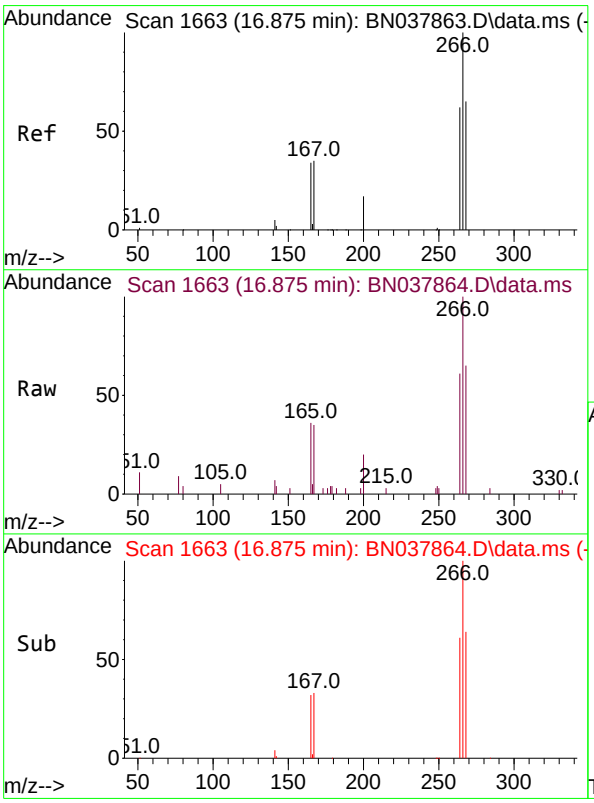
#23
Atrazine
Concen: 0.716 ng
RT: 16.677 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037864.D
Acq: 23 Sep 2025 14:02

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:200 Resp: 5405

Ion	Ratio	Lower	Upper
200	100		
173	34.5	18.3	27.5#
215	42.7	38.6	58.0

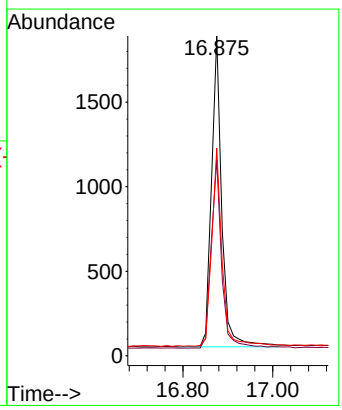


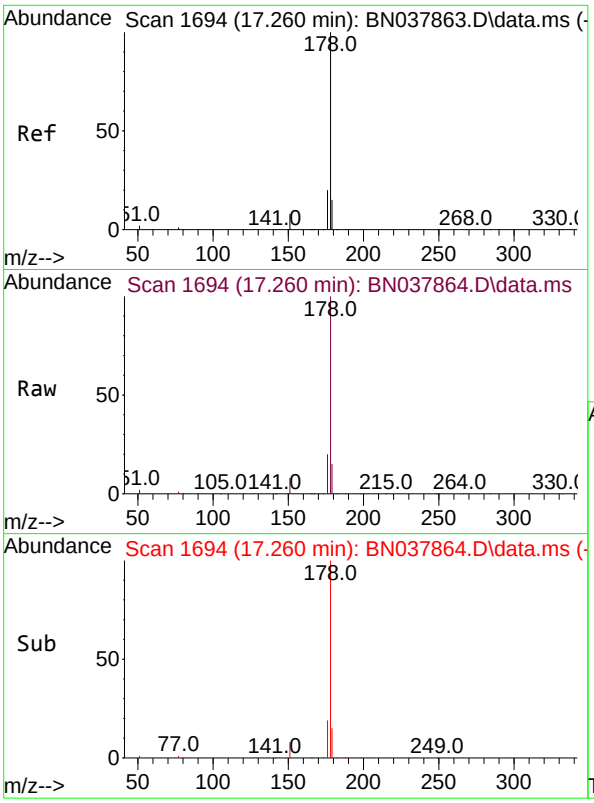


#24
Pentachlorophenol
Concen: 0.714 ng
RT: 16.875 min Scan# 1663
Delta R.T. 0.000 min
Lab File: BN037864.D
Acq: 23 Sep 2025 14:02

Tgt Ion:266 Resp: 2945

Ion	Ratio	Lower	Upper
266	100		
264	62.0	50.9	76.3
268	64.2	54.3	81.5



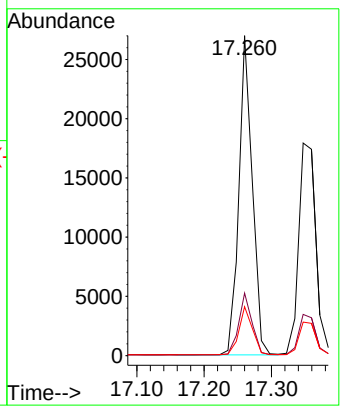


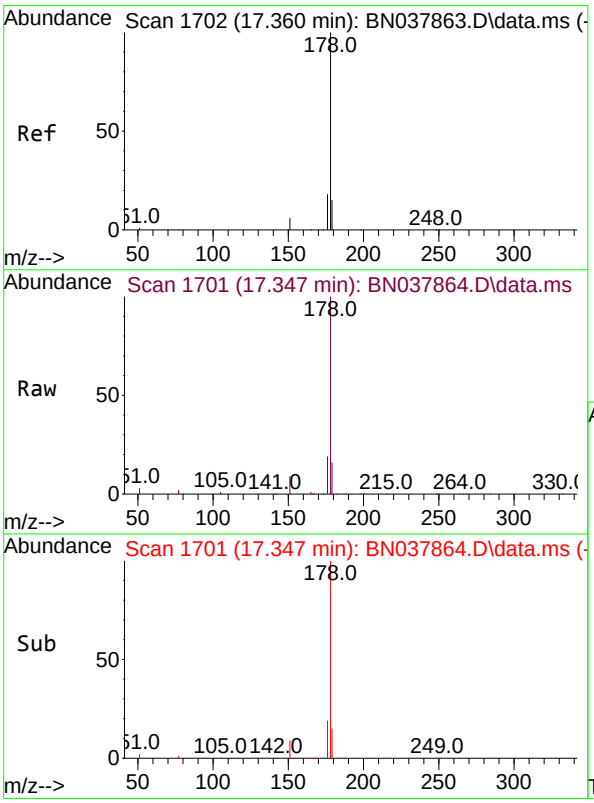
#25
Phenanthrene
Concen: 0.744 ng
RT: 17.260 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037864.D
Acq: 23 Sep 2025 14:02

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:178 Resp: 37218

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.7	23.5
179	15.1	12.3	18.5

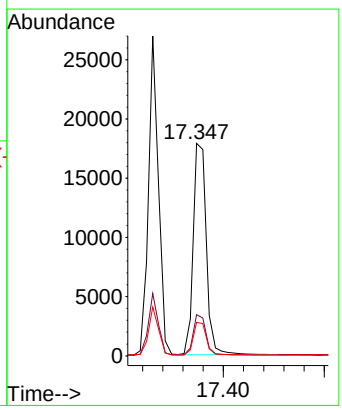


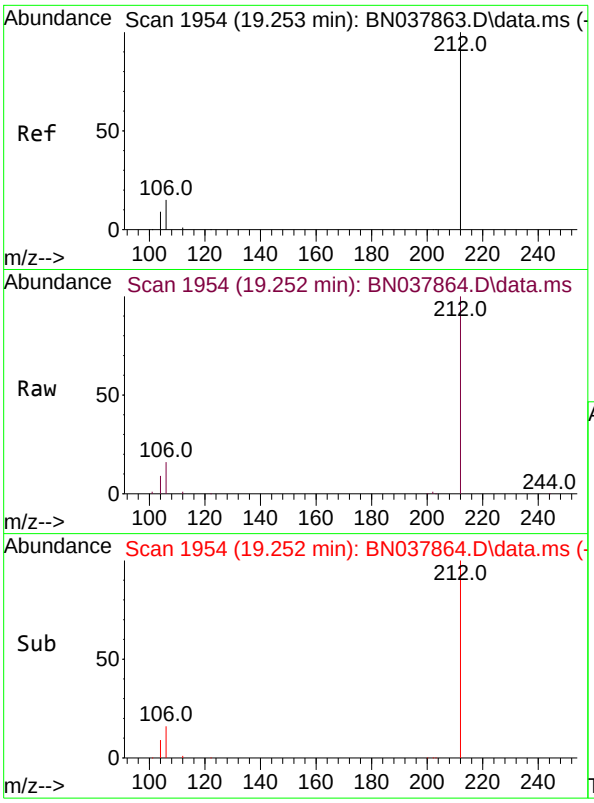


#26
Anthracene
Concen: 0.740 ng
RT: 17.347 min Scan# 1701
Delta R.T. -0.012 min
Lab File: BN037864.D
Acq: 23 Sep 2025 14:02

Tgt Ion:178 Resp: 32138

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.0	22.4
179	15.3	12.3	18.5



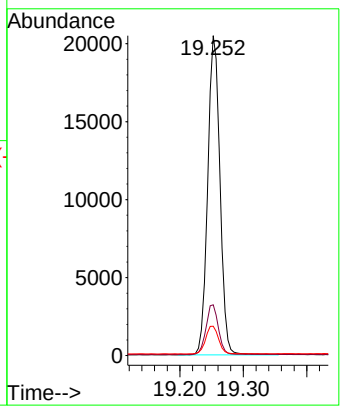


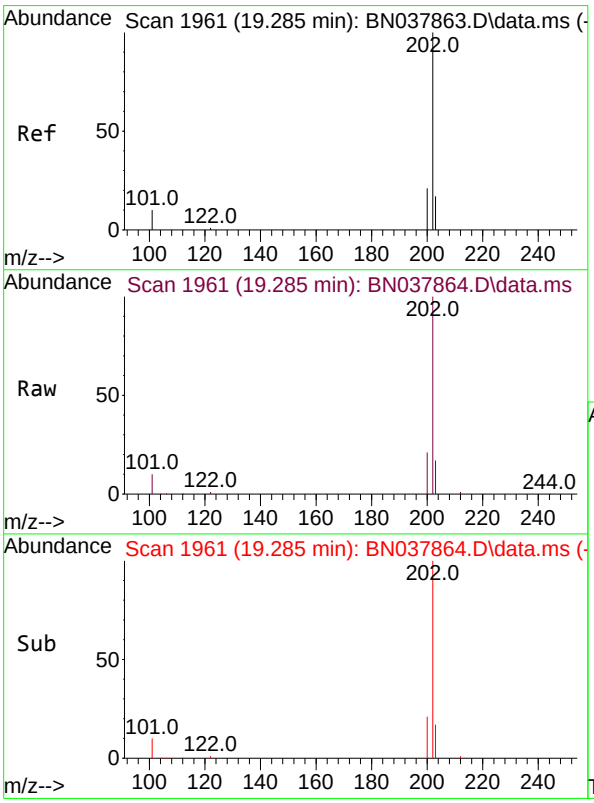
#27
Fluoranthene-d10
Concen: 0.715 ng
RT: 19.252 min Scan# 19
Delta R.T. -0.000 min
Lab File: BN037864.D
Acq: 23 Sep 2025 14:02

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:212 Resp: 27365

Ion	Ratio	Lower	Upper
212	100		
106	15.8	12.6	19.0
104	9.1	7.4	11.0

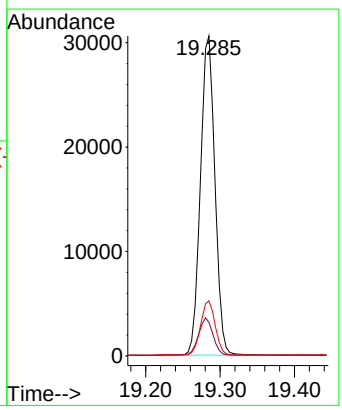


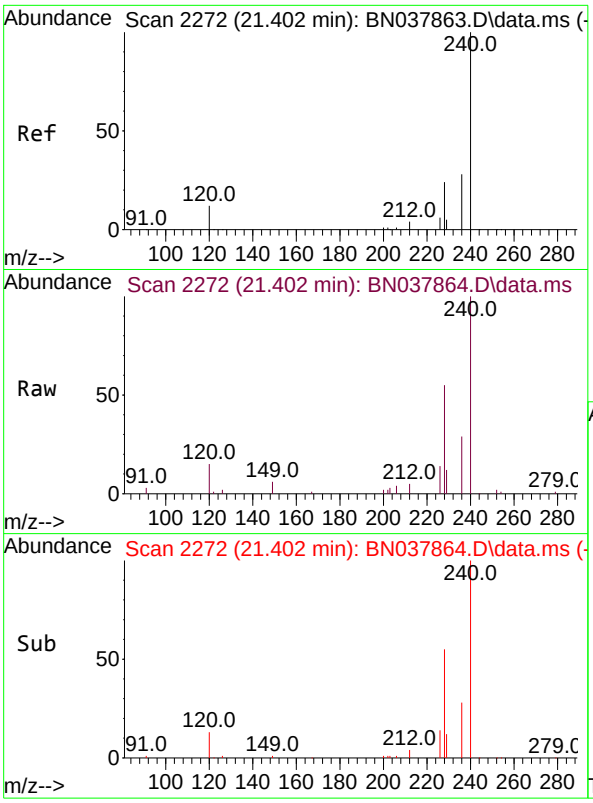


#28
Fluoranthene
Concen: 0.749 ng
RT: 19.285 min Scan# 1961
Delta R.T. -0.000 min
Lab File: BN037864.D
Acq: 23 Sep 2025 14:02

Tgt Ion:202 Resp: 41292

Ion	Ratio	Lower	Upper
202	100		
101	11.9	9.3	13.9
203	17.1	13.6	20.4



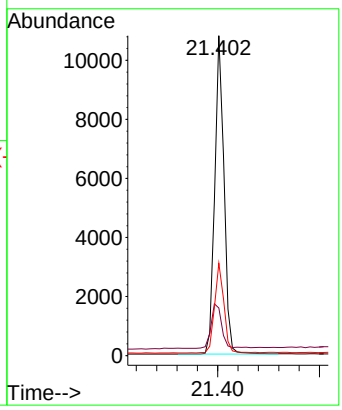


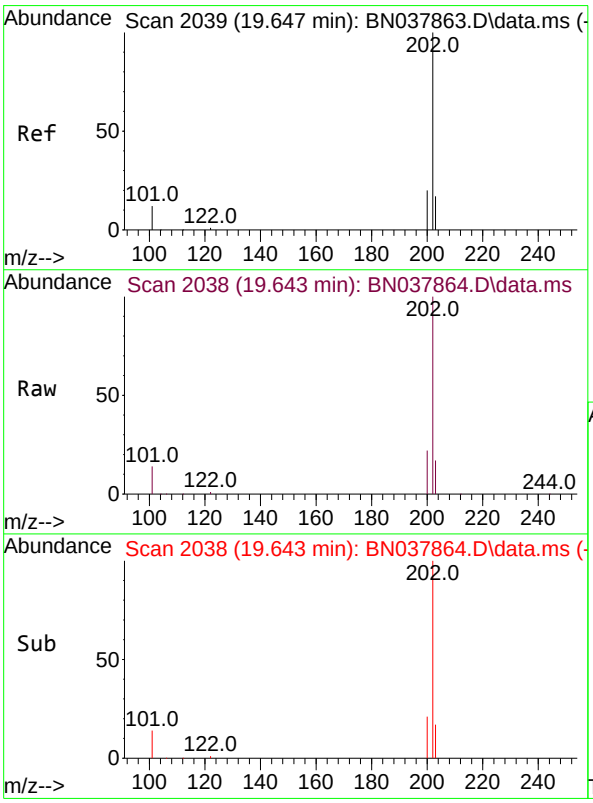
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.402 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037864.D
Acq: 23 Sep 2025 14:02

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:240 Resp: 13674

Ion	Ratio	Lower	Upper
240	100		
120	14.9	11.4	17.2
236	28.9	23.0	34.6

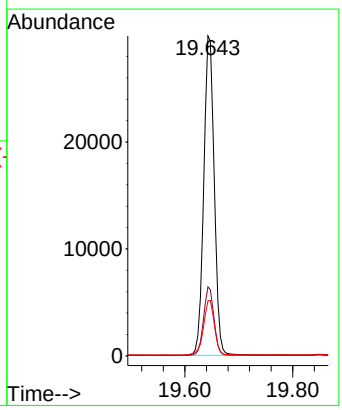


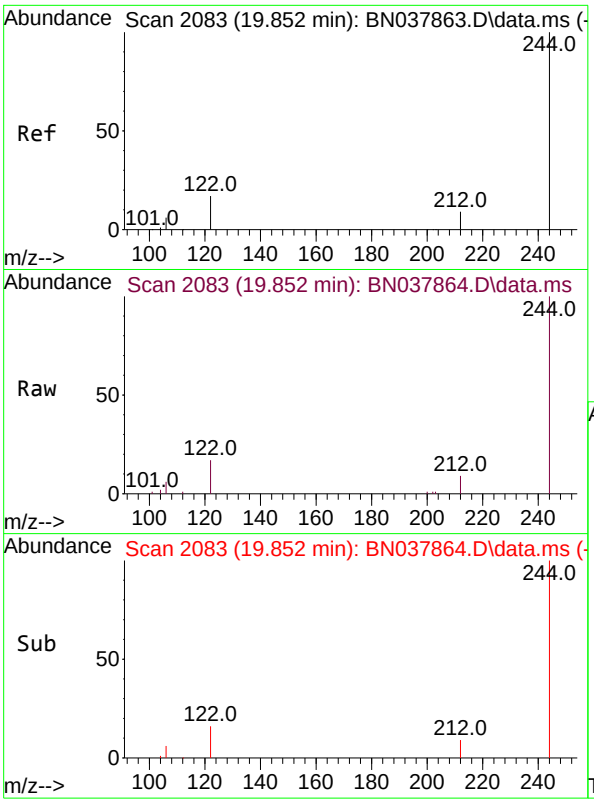


#30
Pyrene
Concen: 0.748 ng
RT: 19.643 min Scan# 2038
Delta R.T. -0.005 min
Lab File: BN037864.D
Acq: 23 Sep 2025 14:02

Tgt Ion:202 Resp: 40377

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.7	25.1
203	17.7	14.2	21.4



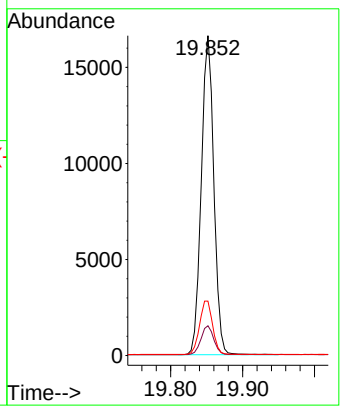


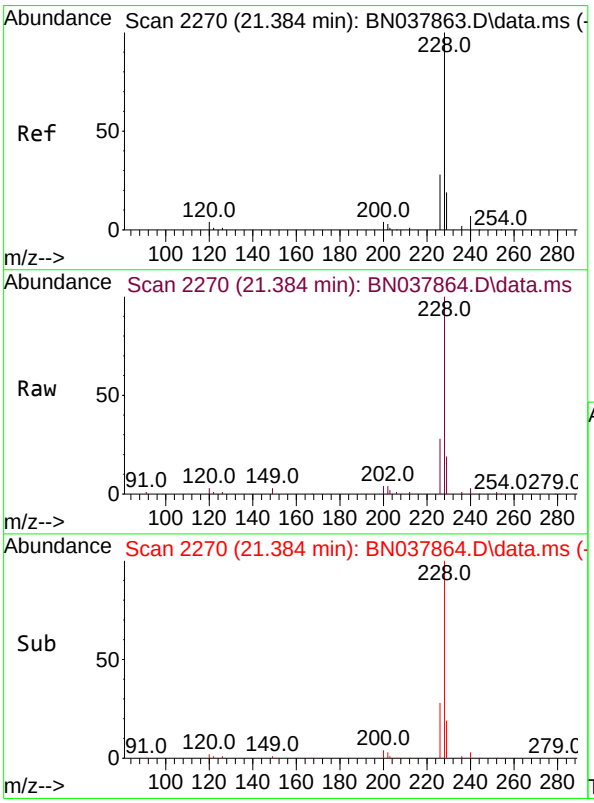
#31
Terphenyl-d14
Concen: 0.738 ng
RT: 19.852 min Scan# 20
Delta R.T. -0.000 min
Lab File: BN037864.D
Acq: 23 Sep 2025 14:02

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:244 Resp: 20095

Ion	Ratio	Lower	Upper
244	100		
212	9.3	7.6	11.4
122	17.0	13.9	20.9

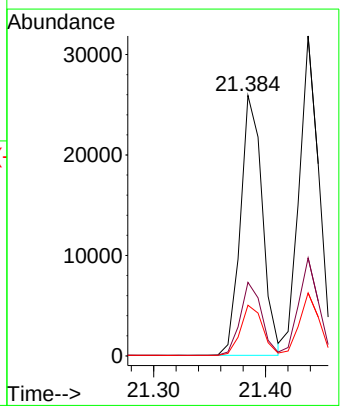


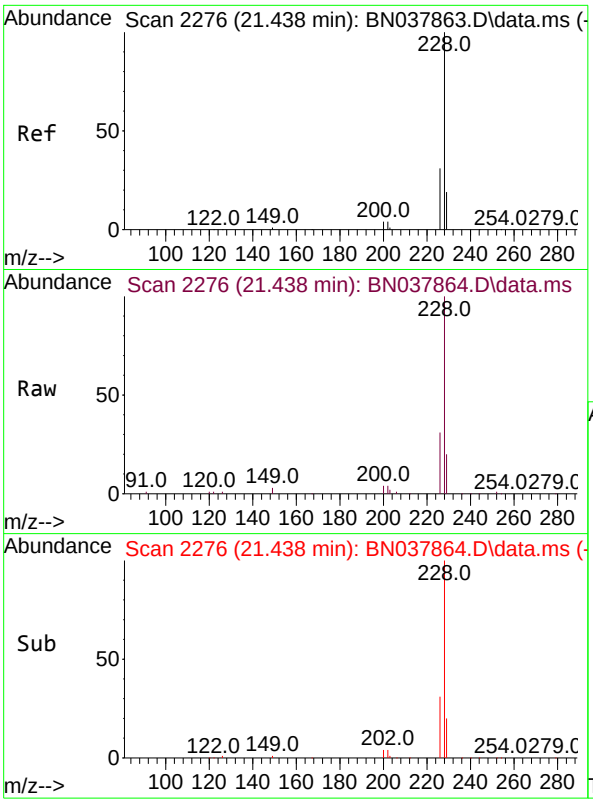


#32
Benzo(a)anthracene
Concen: 0.735 ng
RT: 21.384 min Scan# 2270
Delta R.T. -0.000 min
Lab File: BN037864.D
Acq: 23 Sep 2025 14:02

Tgt Ion:228 Resp: 35130

Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.6	33.8
229	19.5	15.6	23.4



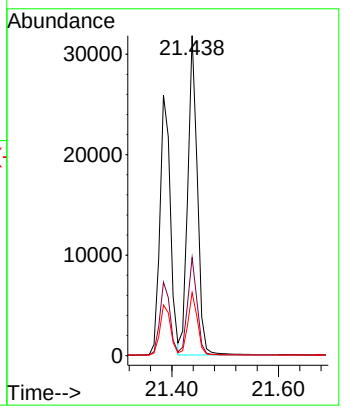


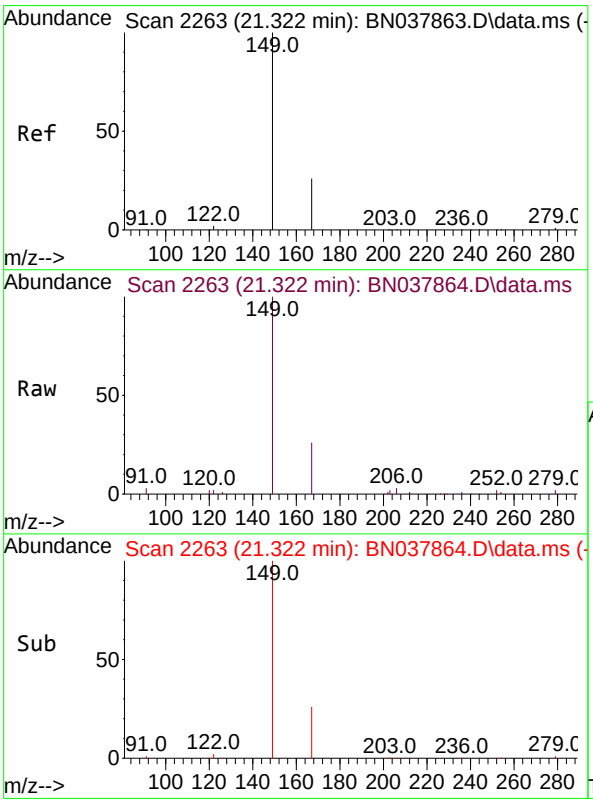
#33
Chrysene
Concen: 0.765 ng
RT: 21.438 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037864.D
Acq: 23 Sep 2025 14:02

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:228 Resp: 39541

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.6	37.0
229	19.7	15.6	23.4

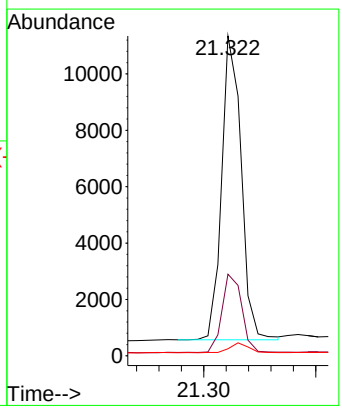


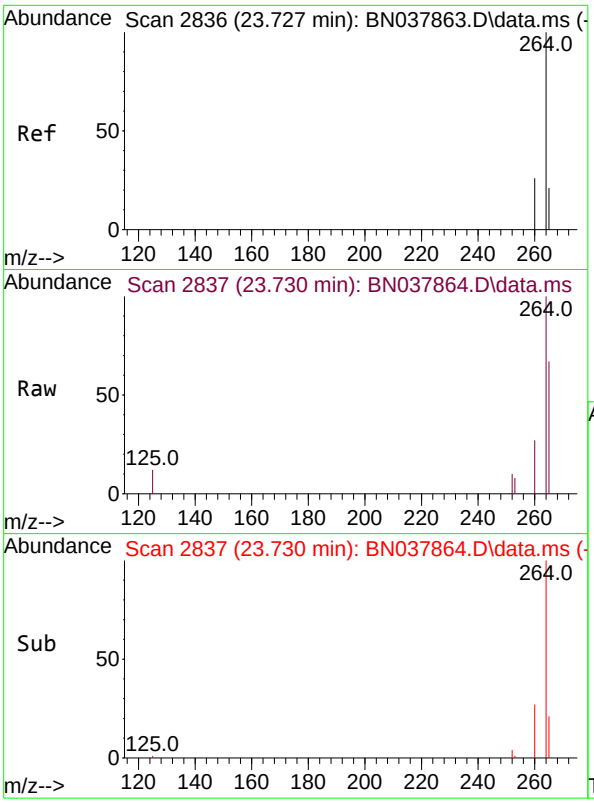


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.689 ng
RT: 21.322 min Scan# 2263
Delta R.T. -0.000 min
Lab File: BN037864.D
Acq: 23 Sep 2025 14:02

Tgt Ion:149 Resp: 13026

Ion	Ratio	Lower	Upper
149	100		
167	26.1	20.4	30.6
279	3.2	2.4	3.6



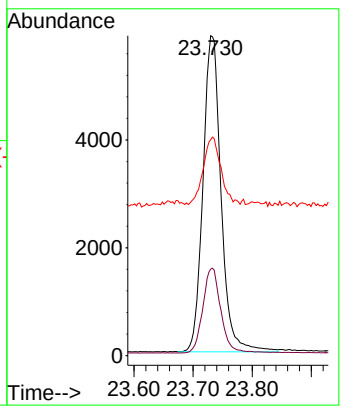


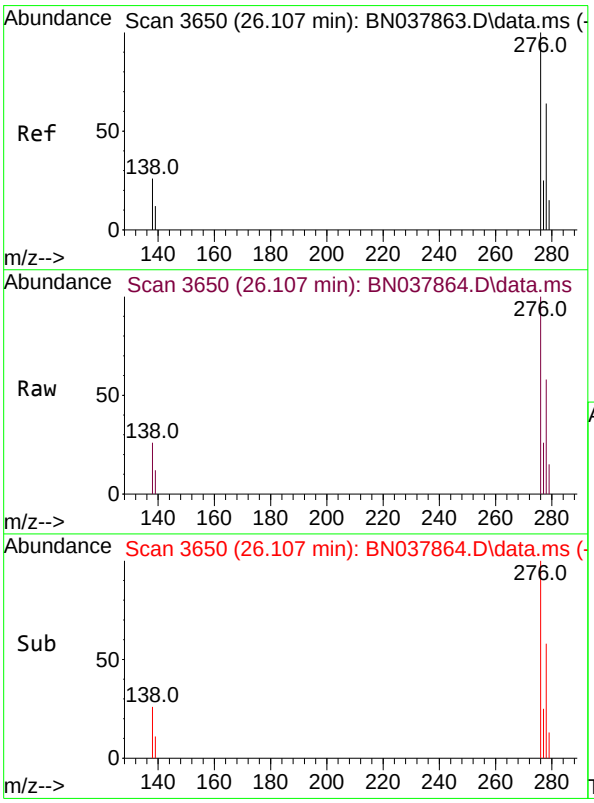
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.730 min Scan# 28
Delta R.T. 0.003 min
Lab File: BN037864.D
Acq: 23 Sep 2025 14:02

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:264 Resp: 12464

Ion	Ratio	Lower	Upper
264	100		
260	27.0	21.5	32.3
265	67.5	53.8	80.6

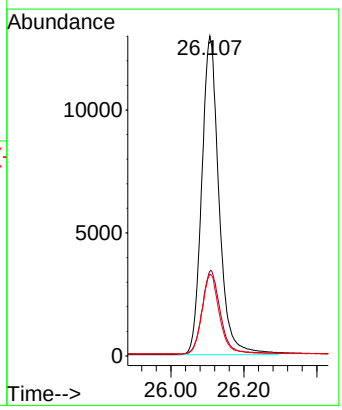


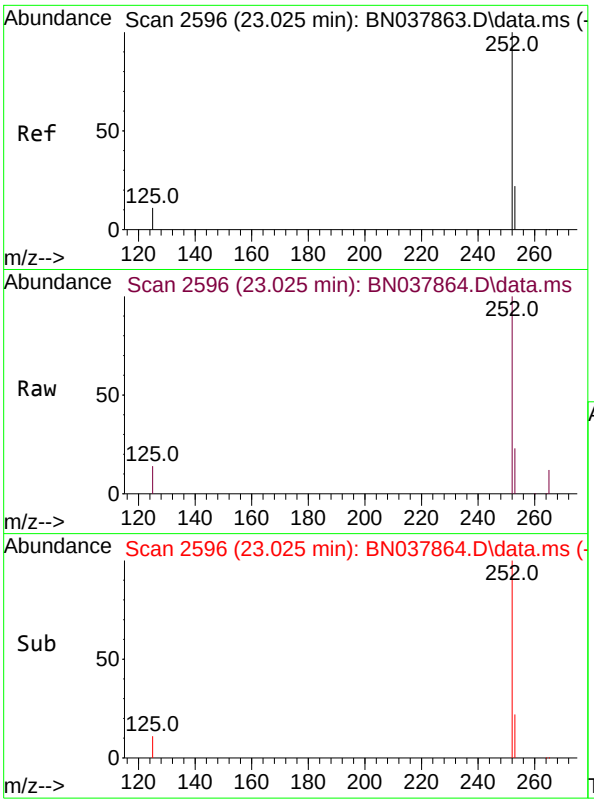


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.747 ng
RT: 26.107 min Scan# 3650
Delta R.T. -0.000 min
Lab File: BN037864.D
Acq: 23 Sep 2025 14:02

Tgt Ion:276 Resp: 42560

Ion	Ratio	Lower	Upper
276	100		
138	26.8	21.4	32.0
277	25.3	20.3	30.5



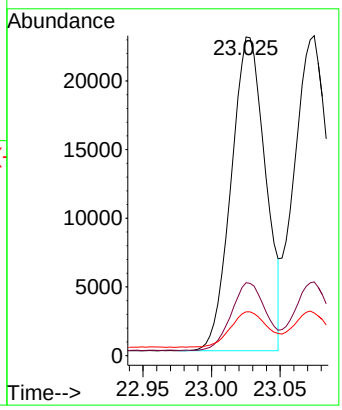


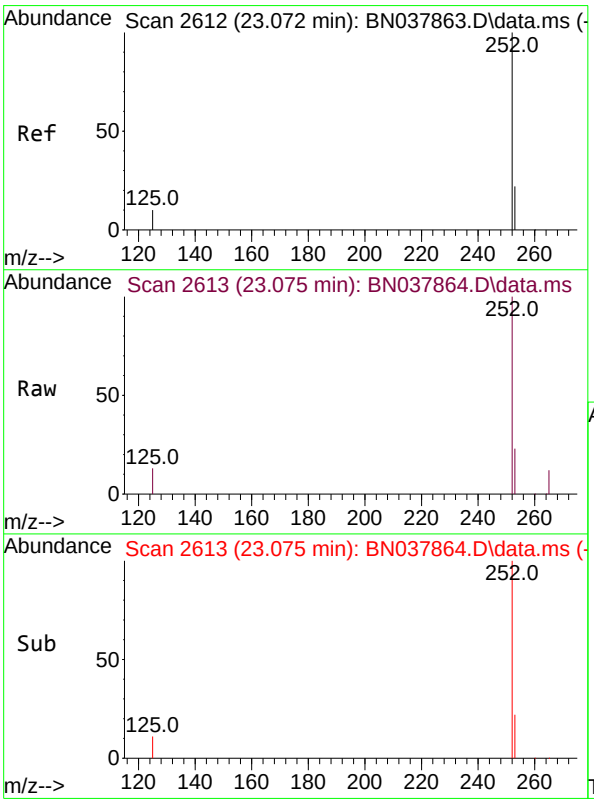
#37
Benzo(b)fluoranthene
Concen: 0.738 ng
RT: 23.025 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037864.D
Acq: 23 Sep 2025 14:02

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:252 Resp: 39646

Ion	Ratio	Lower	Upper
252	100		
253	22.9	19.4	29.0
125	13.7	13.0	19.4

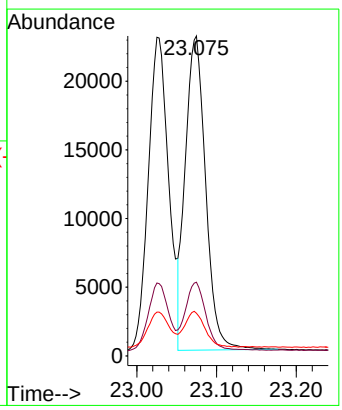


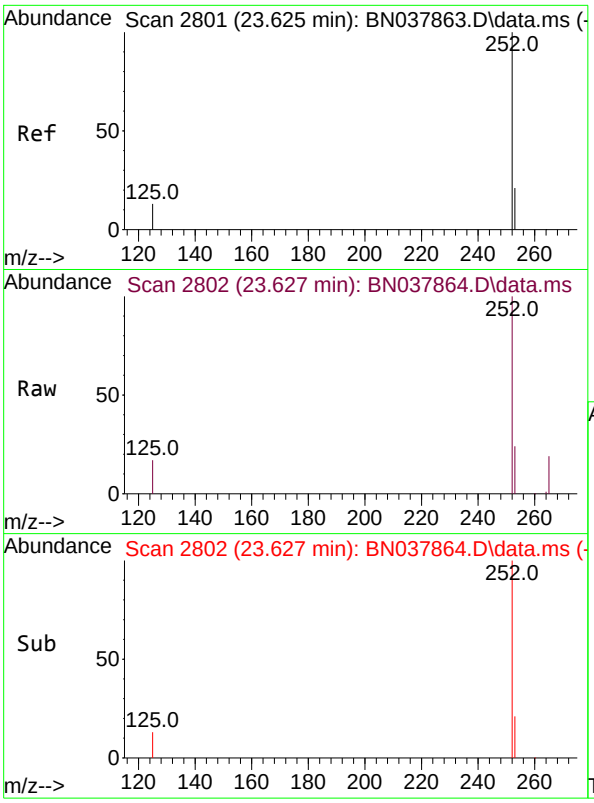


#38
Benzo(k)fluoranthene
Concen: 0.750 ng
RT: 23.075 min Scan# 2613
Delta R.T. 0.003 min
Lab File: BN037864.D
Acq: 23 Sep 2025 14:02

Tgt Ion:252 Resp: 40574

Ion	Ratio	Lower	Upper
252	100		
253	23.0	19.5	29.3
125	13.3	13.0	19.4



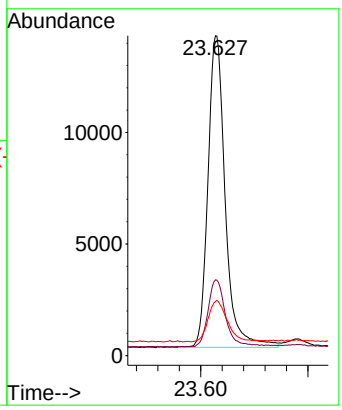


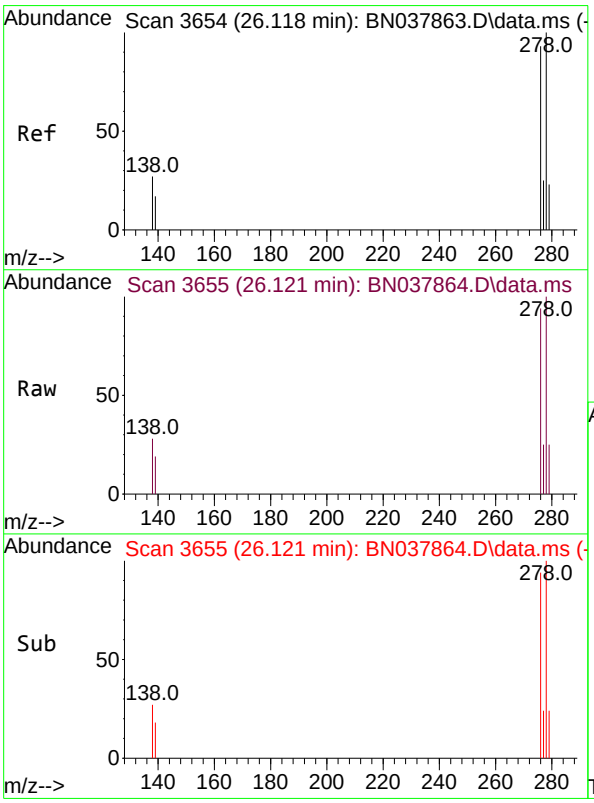
#39
Benzo(a)pyrene
Concen: 0.735 ng
RT: 23.627 min Scan# 28
Delta R.T. 0.003 min
Lab File: BN037864.D
Acq: 23 Sep 2025 14:02

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:252 Resp: 31265

Ion	Ratio	Lower	Upper
252	100		
253	23.7	20.6	30.8
125	16.9	16.7	25.1

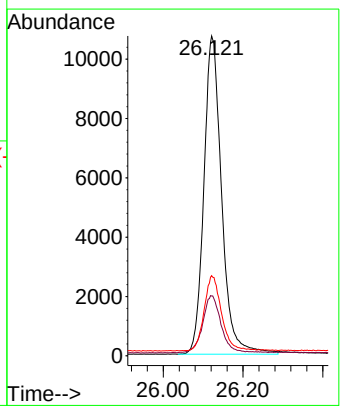


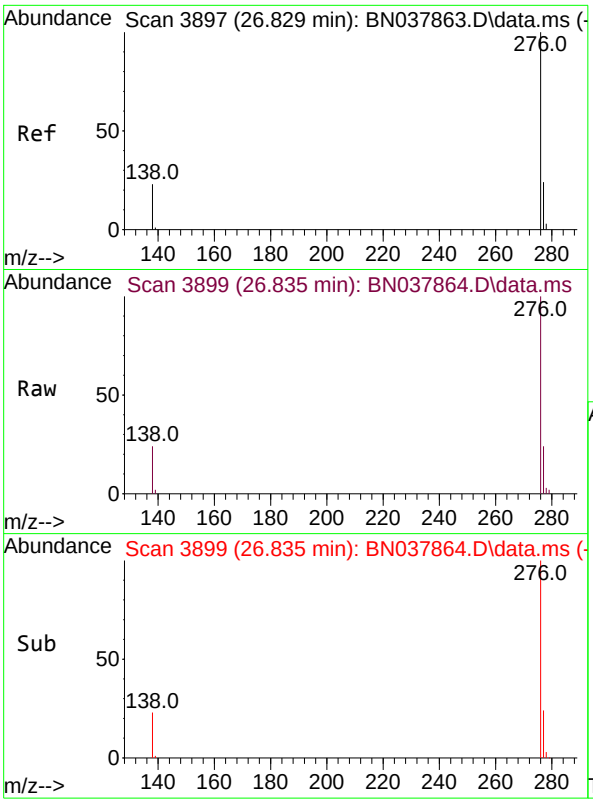


#40
Dibenzo(a,h)anthracene
Concen: 0.747 ng
RT: 26.121 min Scan# 3655
Delta R.T. 0.003 min
Lab File: BN037864.D
Acq: 23 Sep 2025 14:02

Tgt Ion:278 Resp: 33235

Ion	Ratio	Lower	Upper
278	100		
139	18.7	15.4	23.2
279	25.1	20.8	31.2



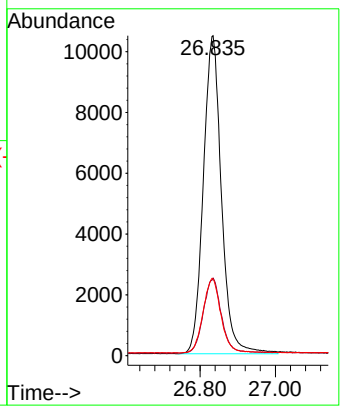


#41
Benzo(g,h,i)perylene
Concen: 0.745 ng
RT: 26.835 min Scan# 3
Delta R.T. 0.006 min
Lab File: BN037864.D
Acq: 23 Sep 2025 14:02

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:276 Resp: 34817

Ion	Ratio	Lower	Upper
276	100		
277	24.2	20.2	30.4
138	23.9	19.8	29.8



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092325\
Data File : BN037865.D
Acq On : 23 Sep 2025 14:38
Operator : RC/JU
Sample : SSTDICC1.6
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Quant Time: Sep 23 16:22:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 23 16:17:53 2025
Response via : Initial Calibration

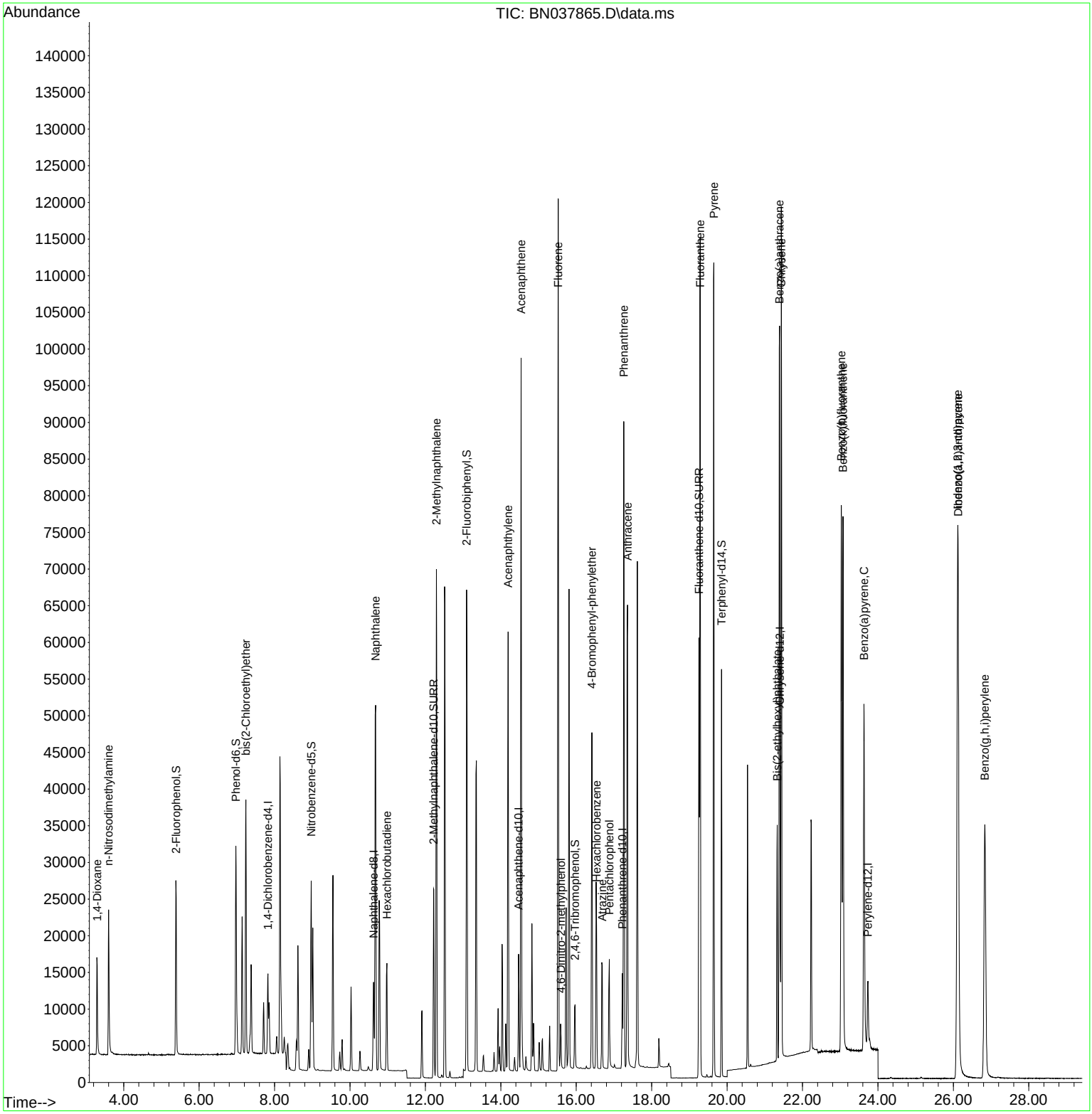
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.825	152	5367	0.400	ng		0.00
7) Naphthalene-d8	10.626	136	15494	0.400	ng		0.00
13) Acenaphthene-d10	14.473	164	8404	0.400	ng		0.00
19) Phenanthrene-d10	17.223	188	15875	0.400	ng		0.00
29) Chrysene-d12	21.402	240	14963	0.400	ng		0.00
35) Perylene-d12	23.735	264	12917	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.391	112	19493	1.592	ng		0.00
5) Phenol-d6	6.973	99	26005	1.616	ng		0.00
8) Nitrobenzene-d5	8.971	82	19230	1.627	ng		0.00
11) 2-Methylnaphthalene-d10	12.217	152	34256	1.592	ng		0.00
14) 2,4,6-Tribromophenol	15.969	330	5471	1.613	ng		0.00
15) 2-Fluorobiphenyl	13.094	172	55598	1.616	ng		0.00
27) Fluoranthene-d10	19.252	212	63771	1.597	ng		0.00
31) Terphenyl-d14	19.852	244	47765	1.603	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.297	88	9123	1.674	ng		98
3) n-Nitrosodimethylamine	3.600	42	12048	1.662	ng	#	89
6) bis(2-Chloroethyl)ether	7.240	93	24687	1.653	ng		100
9) Naphthalene	10.679	128	69620	1.631	ng		98
10) Hexachlorobutadiene	10.978	225	11899	1.634	ng	#	100
12) 2-Methylnaphthalene	12.293	142	46704	1.675	ng		99
16) Acenaphthylene	14.195	152	64093	1.680	ng		100
17) Acenaphthene	14.537	154	45411	1.670	ng		97
18) Fluorene	15.522	166	55922	1.701	ng		100
20) 4,6-Dinitro-2-methylph...	15.597	198	3669	1.602	ng	#	64
21) 4-Bromophenyl-phenylether	16.416	248	17278	1.670	ng		98
22) Hexachlorobenzene	16.540	284	20548	1.638	ng		99
23) Atrazine	16.689	200	13043	1.656	ng		97
24) Pentachlorophenol	16.875	266	7393	1.718	ng		98
25) Phenanthrene	17.260	178	86207	1.650	ng		99
26) Anthracene	17.359	178	76744	1.693	ng		100
28) Fluoranthene	19.285	202	98772	1.717	ng		99
30) Pyrene	19.647	202	96189	1.628	ng		100
32) Benzo(a)anthracene	21.384	228	85145	1.628	ng		99
33) Chrysene	21.438	228	93309	1.650	ng		100
34) Bis(2-ethylhexyl)phtha...	21.330	149	31032	1.500	ng		98
36) Indeno(1,2,3-cd)pyrene	26.112	276	97476	1.652	ng		99
37) Benzo(b)fluoranthene	23.028	252	93525	1.679	ng	#	94
38) Benzo(k)fluoranthene	23.075	252	96868	1.728	ng	#	94
39) Benzo(a)pyrene	23.630	252	73009	1.657	ng	#	90
40) Dibenzo(a,h)anthracene	26.127	278	77237	1.676	ng		97
41) Benzo(g,h,i)perylene	26.835	276	78576	1.623	ng		98

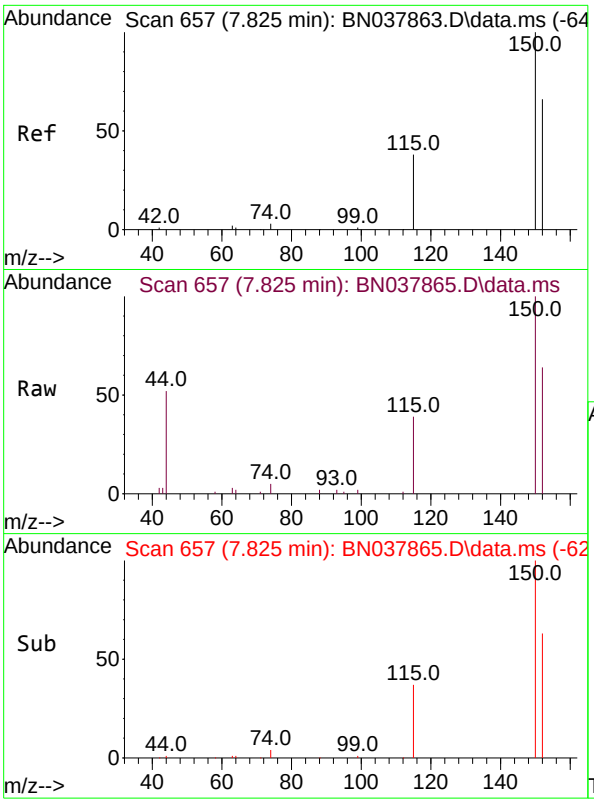
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092325\
Data File : BN037865.D
Acq On : 23 Sep 2025 14:38
Operator : RC/JU
Sample : SSTDICC1.6
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Quant Time: Sep 23 16:22:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 23 16:17:53 2025
Response via : Initial Calibration



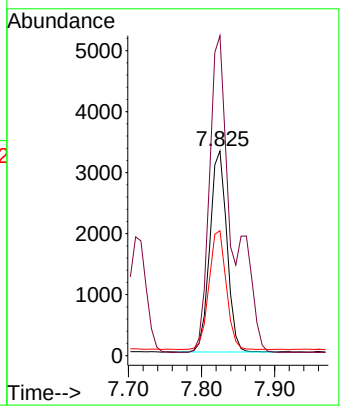


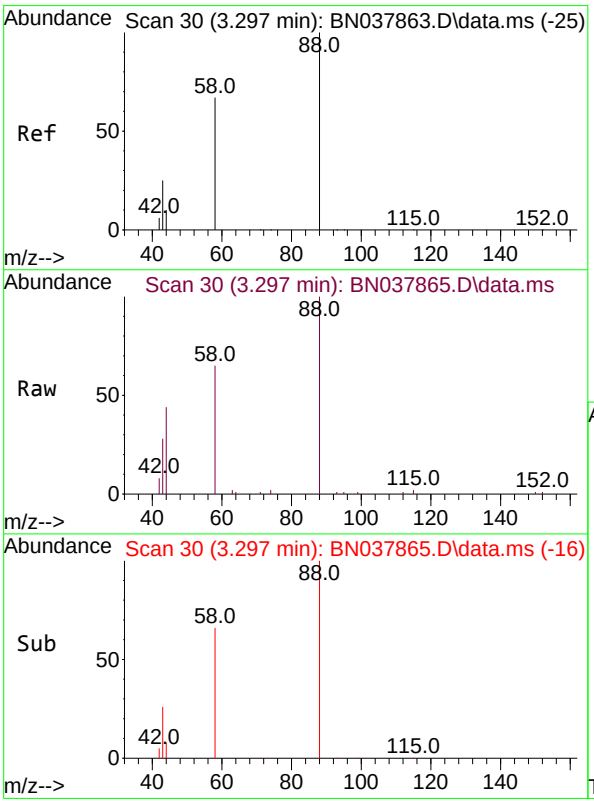
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.825 min Scan# 6
Delta R.T. 0.000 min
Lab File: BN037865.D
Acq: 23 Sep 2025 14:38

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:152 Resp: 5367

Ion	Ratio	Lower	Upper
152	100		
150	156.4	121.0	181.4
115	61.0	47.4	71.0

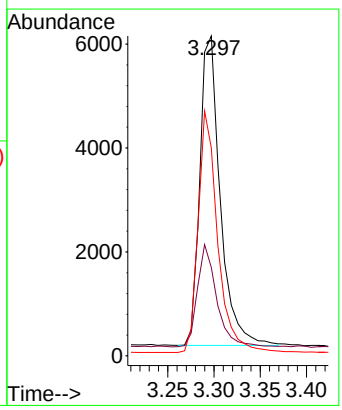


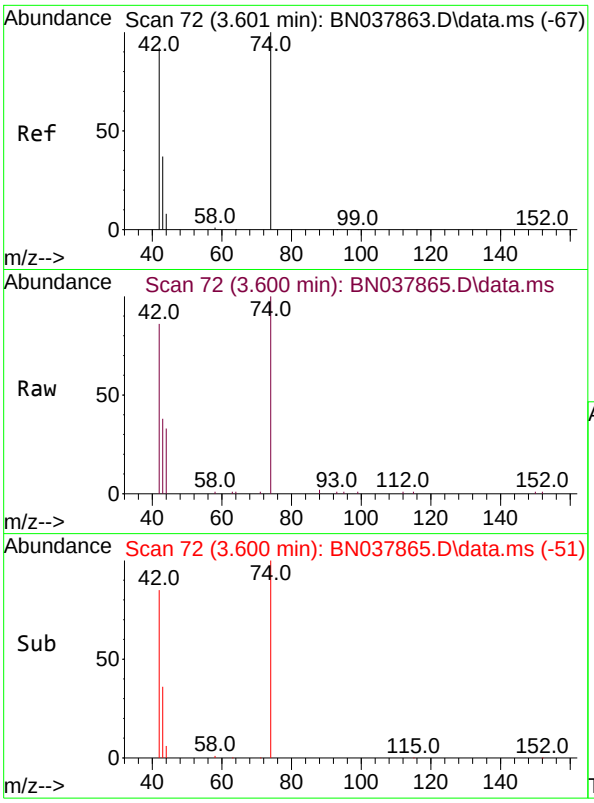


#2
1,4-Dioxane
Concen: 1.674 ng
RT: 3.297 min Scan# 30
Delta R.T. -0.000 min
Lab File: BN037865.D
Acq: 23 Sep 2025 14:38

Tgt Ion: 88 Resp: 9123

Ion	Ratio	Lower	Upper
88	100		
43	31.3	26.6	39.8
58	74.6	58.9	88.3



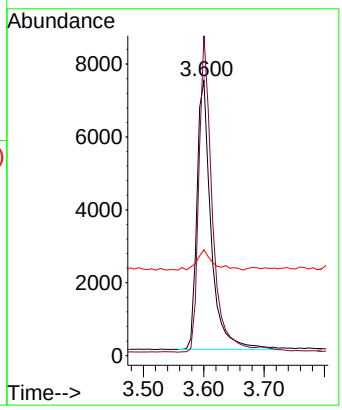


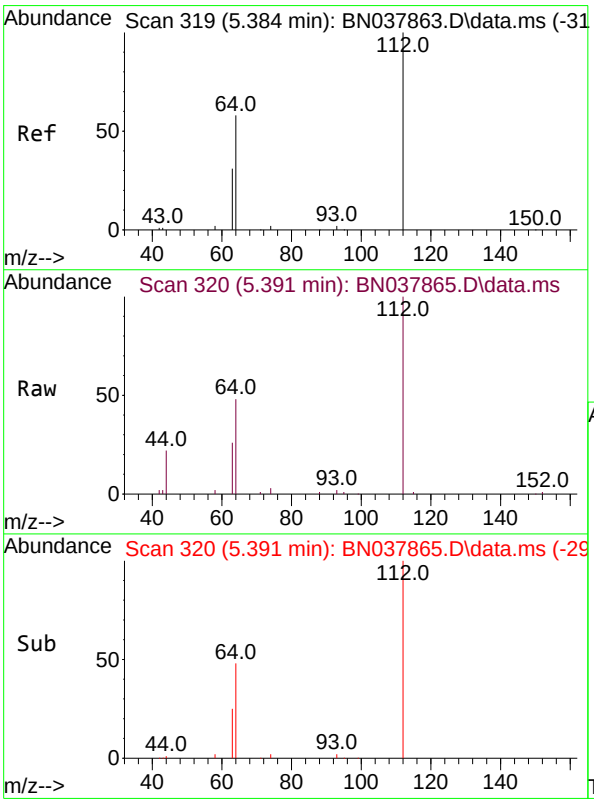
#3
n-Nitrosodimethylamine
Concen: 1.662 ng
RT: 3.600 min Scan# 7
Delta R.T. -0.000 min
Lab File: BN037865.D
Acq: 23 Sep 2025 14:38

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion: 42 Resp: 12048

Ion	Ratio	Lower	Upper
42	100		
74	110.9	93.4	140.0
44	8.4	22.2	33.4#

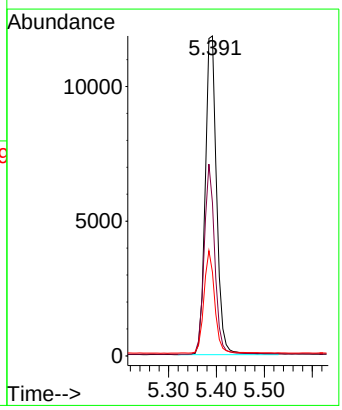


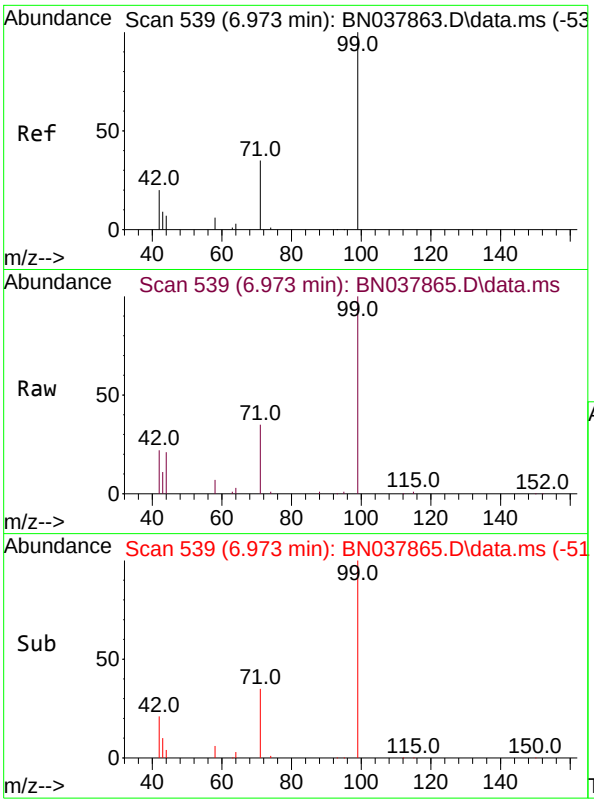


#4
2-Fluorophenol
Concen: 1.592 ng
RT: 5.391 min Scan# 320
Delta R.T. 0.007 min
Lab File: BN037865.D
Acq: 23 Sep 2025 14:38

Tgt Ion:112 Resp: 19493

Ion	Ratio	Lower	Upper
112	100		
64	55.9	44.6	66.8
63	30.3	24.9	37.3



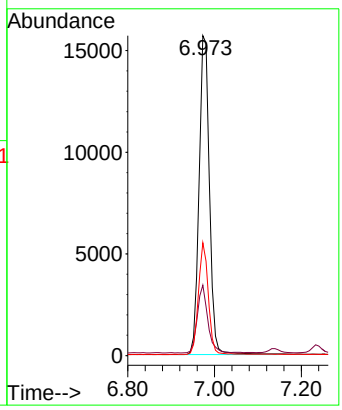


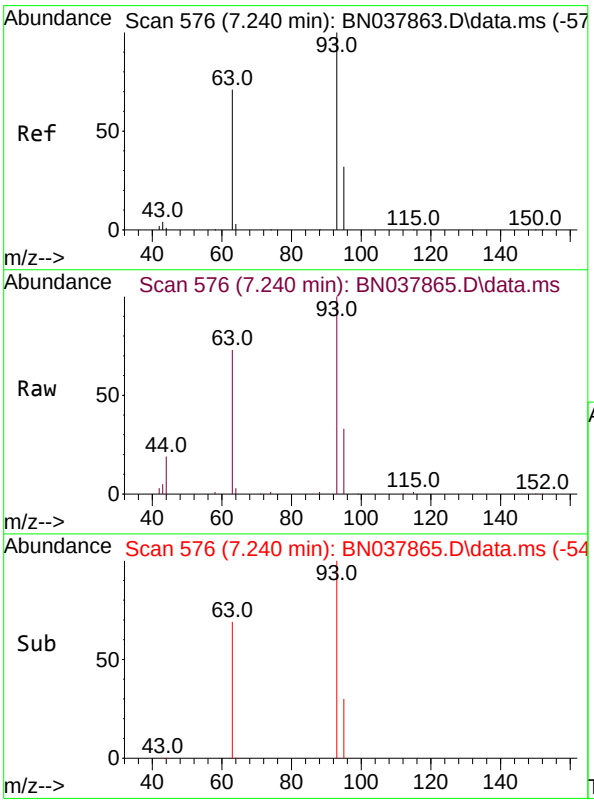
#5
Phenol-d6
Concen: 1.616 ng
RT: 6.973 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN037865.D
Acq: 23 Sep 2025 14:38

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion: 99 Resp: 26005

Ion	Ratio	Lower	Upper
99	100		
42	21.3	17.2	25.8
71	33.5	27.3	40.9

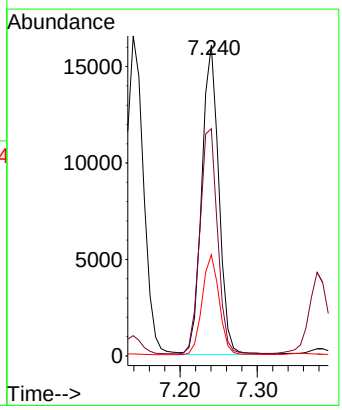


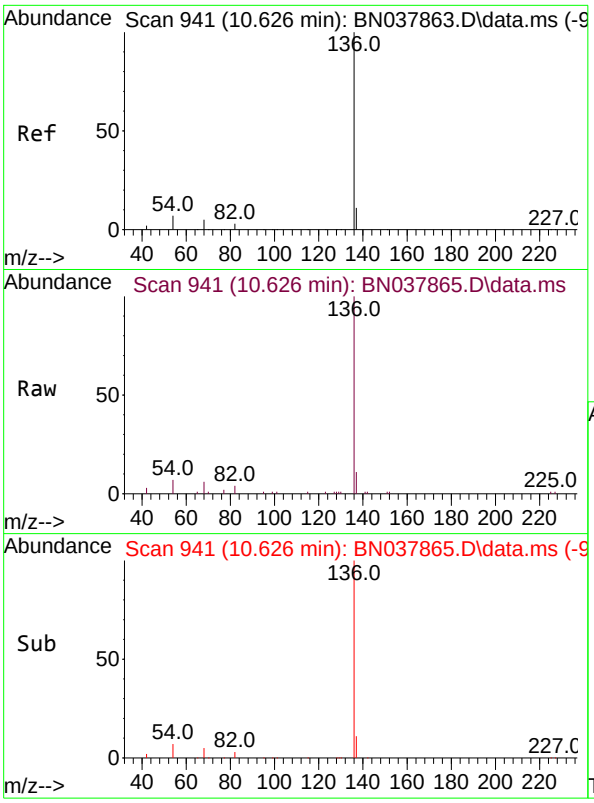


#6
bis(2-Chloroethyl)ether
Concen: 1.653 ng
RT: 7.240 min Scan# 576
Delta R.T. -0.000 min
Lab File: BN037865.D
Acq: 23 Sep 2025 14:38

Tgt Ion: 93 Resp: 24687

Ion	Ratio	Lower	Upper
93	100		
63	75.4	60.1	90.1
95	32.1	25.4	38.2



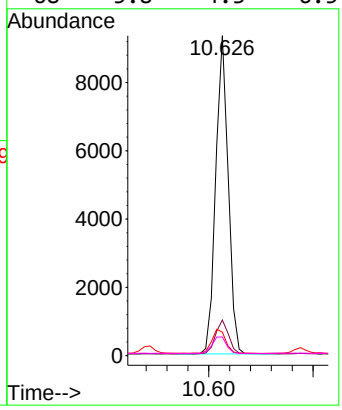


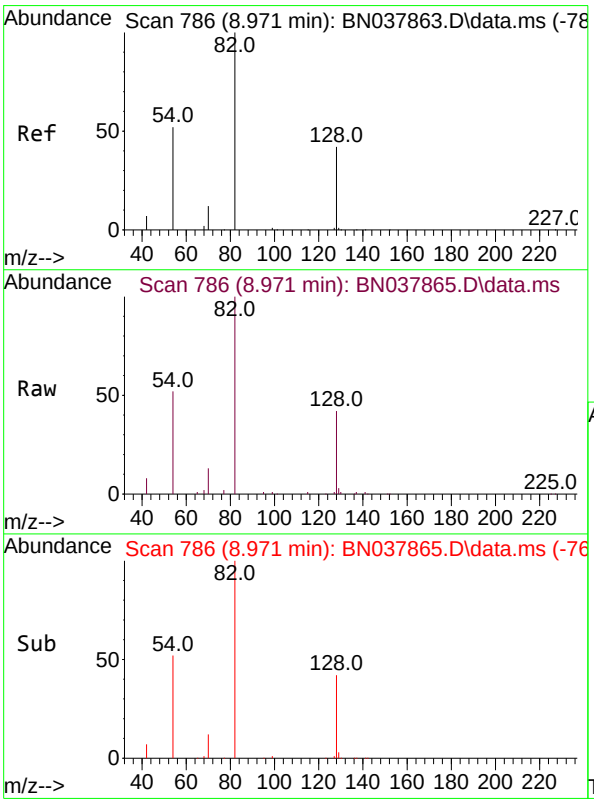
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.626 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN037865.D
Acq: 23 Sep 2025 14:38

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:136 Resp: 15494

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	7.3	5.8	8.8
68	5.8	4.3	6.5

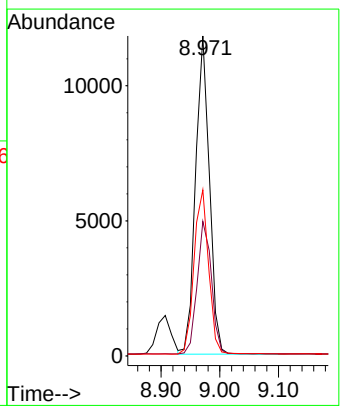


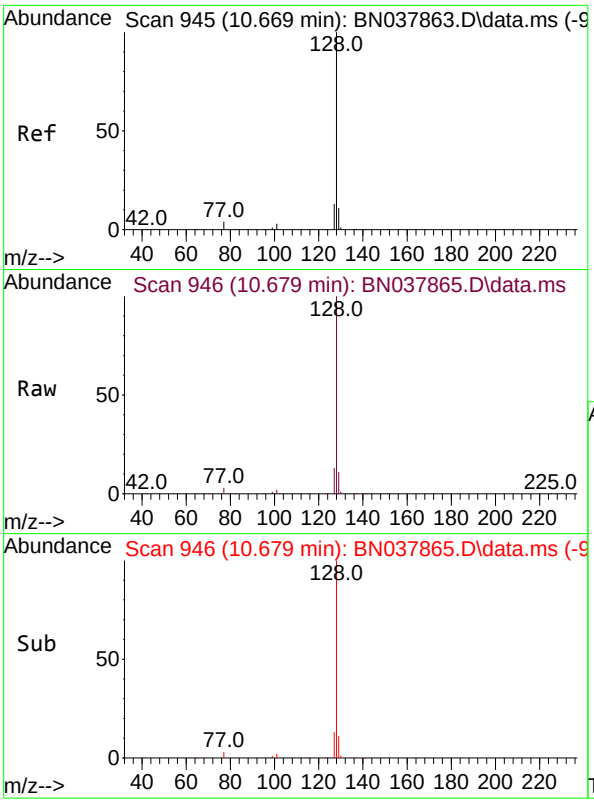


#8
Nitrobenzene-d5
Concen: 1.627 ng
RT: 8.971 min Scan# 786
Delta R.T. -0.000 min
Lab File: BN037865.D
Acq: 23 Sep 2025 14:38

Tgt Ion: 82 Resp: 19230

Ion	Ratio	Lower	Upper
82	100		
128	42.0	34.8	52.2
54	51.9	42.2	63.2



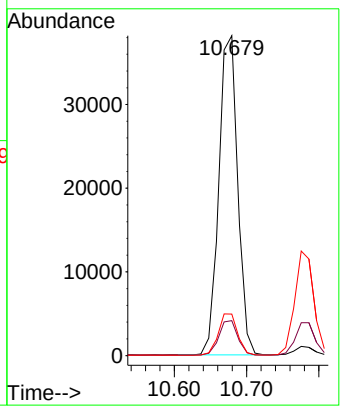


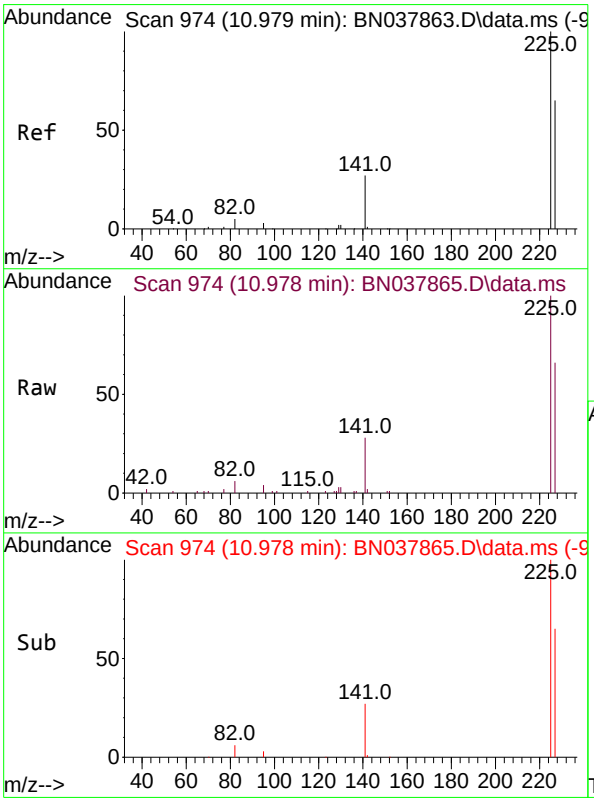
#9
Naphthalene
Concen: 1.631 ng
RT: 10.679 min Scan# 94
Delta R.T. 0.010 min
Lab File: BN037865.D
Acq: 23 Sep 2025 14:38

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:128 Resp: 69620

Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.2	13.8
127	13.0	11.0	16.6

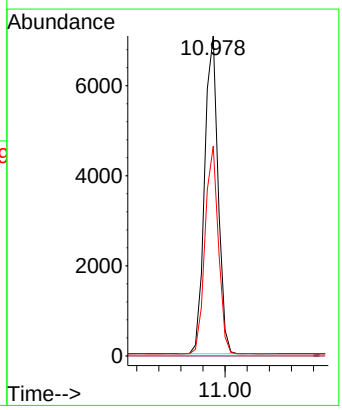


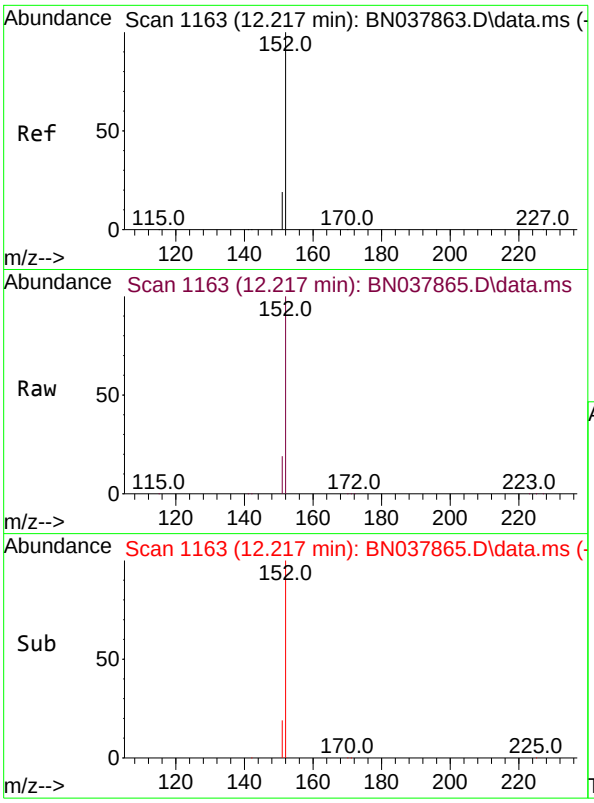


#10
Hexachlorobutadiene
Concen: 1.634 ng
RT: 10.978 min Scan# 974
Delta R.T. -0.000 min
Lab File: BN037865.D
Acq: 23 Sep 2025 14:38

Tgt Ion:225 Resp: 11899

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.6	51.4	77.2



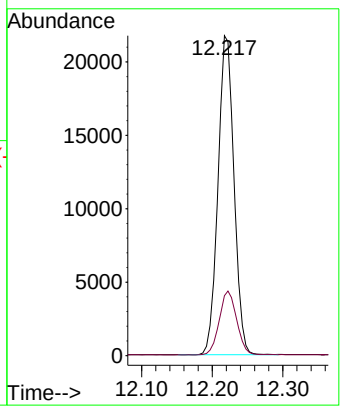


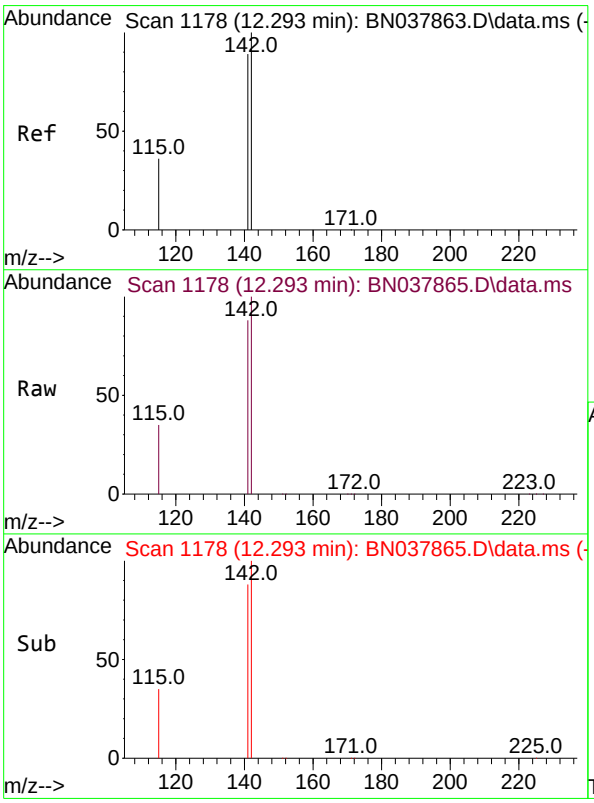
#11
2-Methylnaphthalene-d10
Concen: 1.592 ng
RT: 12.217 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN037865.D
Acq: 23 Sep 2025 14:38

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:152 Resp: 34256

Ion	Ratio	Lower	Upper
152	100		
151	21.7	17.4	26.2

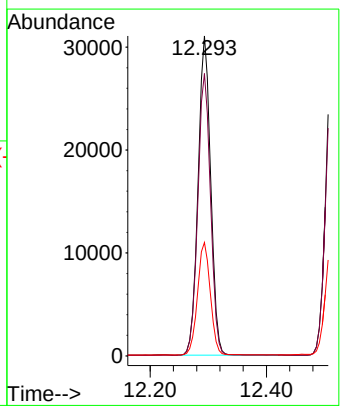


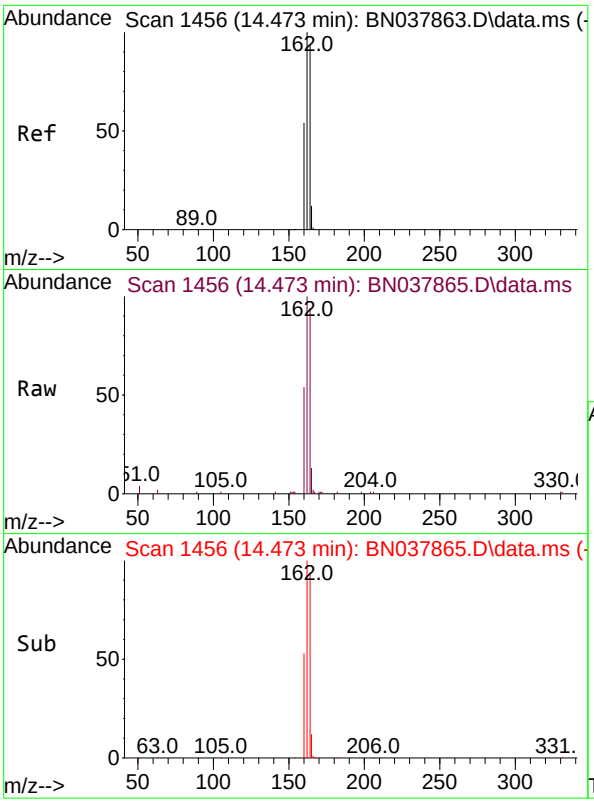


#12
2-Methylnaphthalene
Concen: 1.675 ng
RT: 12.293 min Scan# 1178
Delta R.T. -0.000 min
Lab File: BN037865.D
Acq: 23 Sep 2025 14:38

Tgt Ion:142 Resp: 46704

Ion	Ratio	Lower	Upper
142	100		
141	88.2	71.2	106.8
115	35.4	29.7	44.5



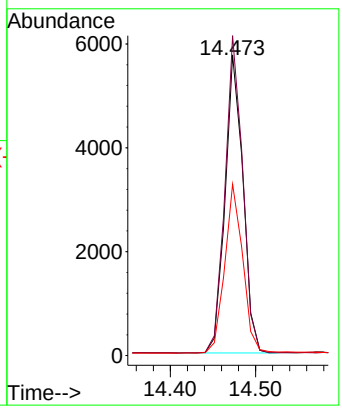


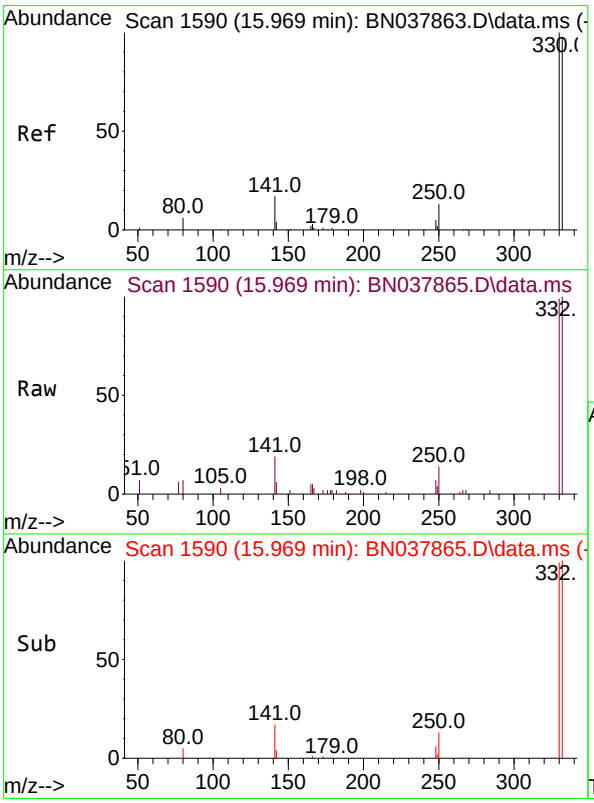
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.473 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN037865.D
Acq: 23 Sep 2025 14:38

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:164 Resp: 8404

Ion	Ratio	Lower	Upper
164	100		
162	106.4	84.8	127.2
160	57.0	46.1	69.1

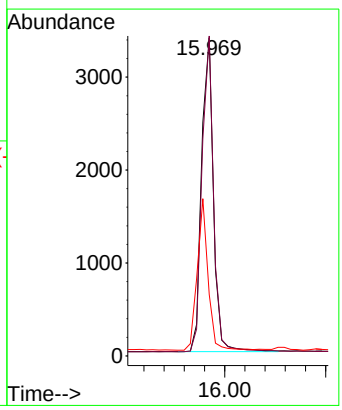


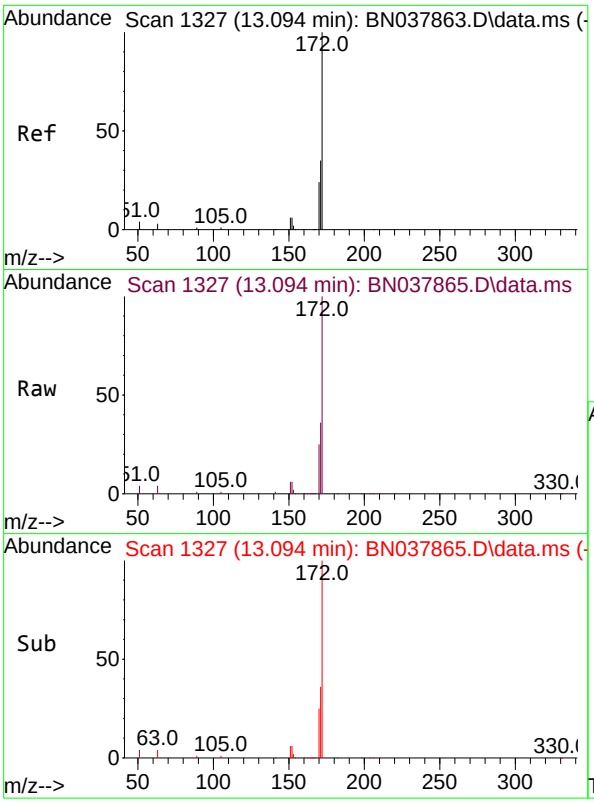


#14
2,4,6-Tribromophenol
Concen: 1.613 ng
RT: 15.969 min Scan# 1590
Delta R.T. -0.000 min
Lab File: BN037865.D
Acq: 23 Sep 2025 14:38

Tgt Ion:330 Resp: 5471

Ion	Ratio	Lower	Upper
330	100		
332	98.1	77.2	115.8
141	44.0	37.2	55.8



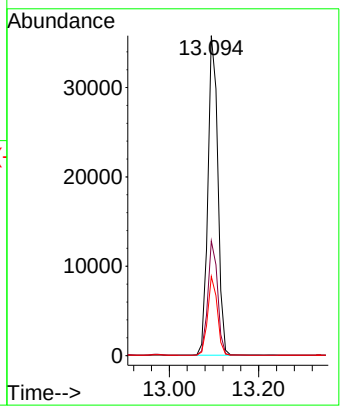


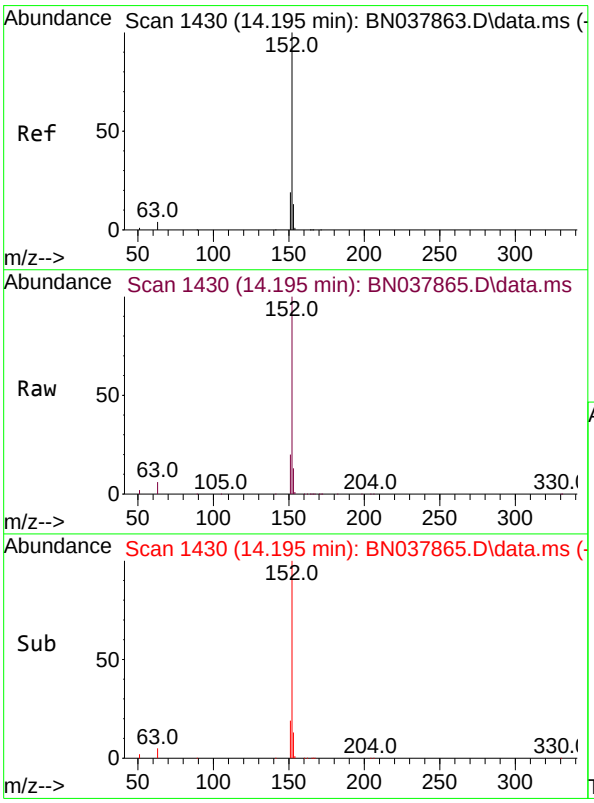
#15
2-Fluorobiphenyl
Concen: 1.616 ng
RT: 13.094 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037865.D
Acq: 23 Sep 2025 14:38

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:172 Resp: 55598

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.6	43.0
170	24.7	19.7	29.5

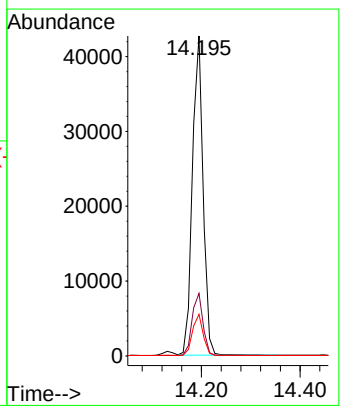


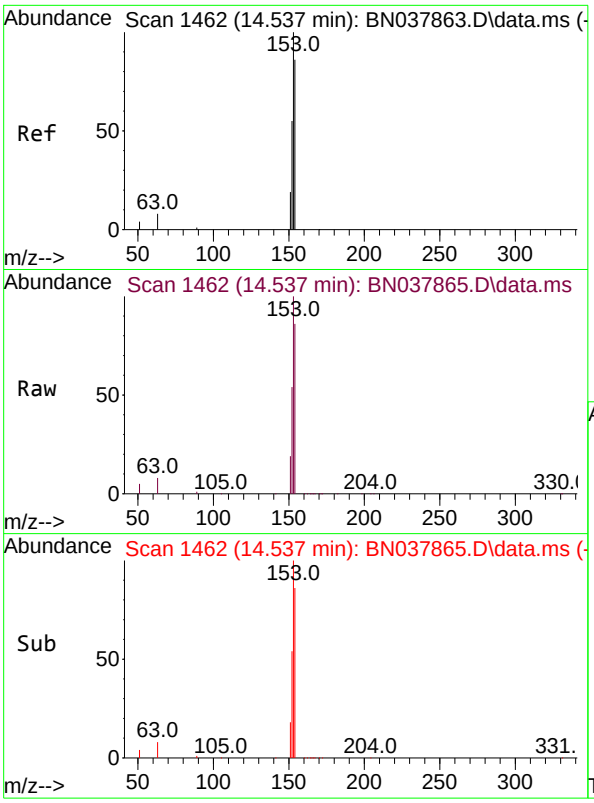


#16
Acenaphthylene
Concen: 1.680 ng
RT: 14.195 min Scan# 1430
Delta R.T. -0.000 min
Lab File: BN037865.D
Acq: 23 Sep 2025 14:38

Tgt Ion:152 Resp: 64093

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.8	23.8
153	12.9	10.5	15.7



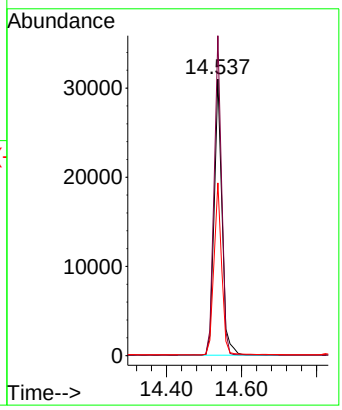


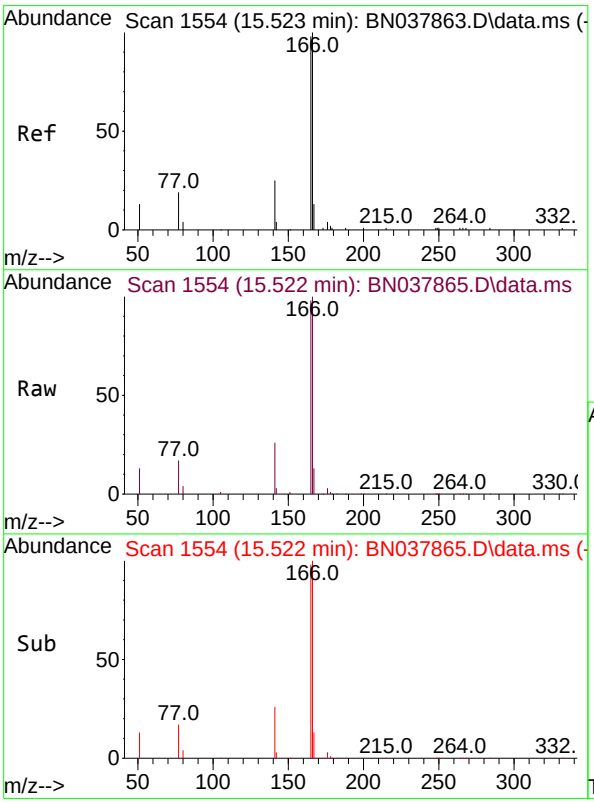
#17
Acenaphthene
Concen: 1.670 ng
RT: 14.537 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN037865.D
Acq: 23 Sep 2025 14:38

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:154 Resp: 45411

Ion	Ratio	Lower	Upper
154	100		
153	110.4	90.5	135.7
152	61.0	51.8	77.8

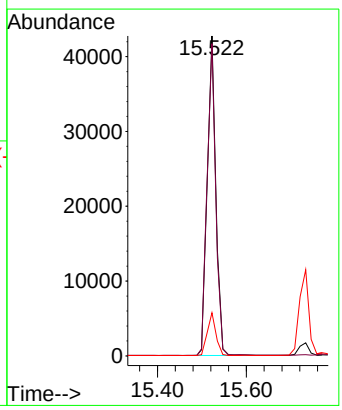


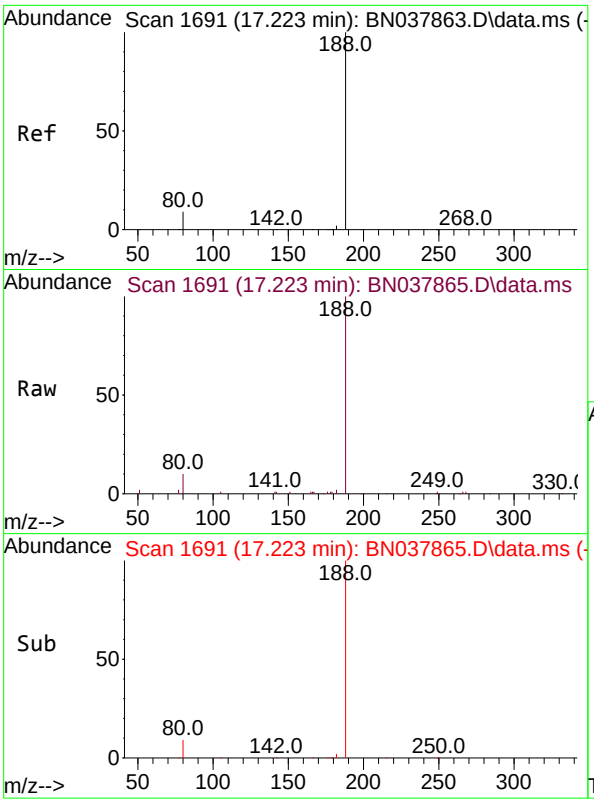


#18
Fluorene
Concen: 1.701 ng
RT: 15.522 min Scan# 1554
Delta R.T. -0.000 min
Lab File: BN037865.D
Acq: 23 Sep 2025 14:38

Tgt Ion:166 Resp: 55922

Ion	Ratio	Lower	Upper
166	100		
165	99.1	79.0	118.4
167	13.1	10.6	16.0



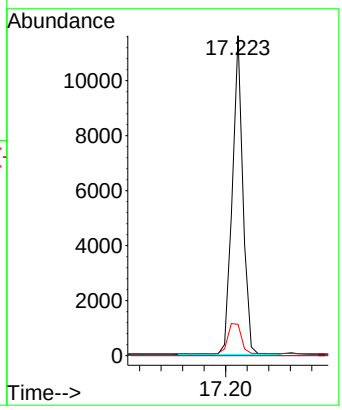


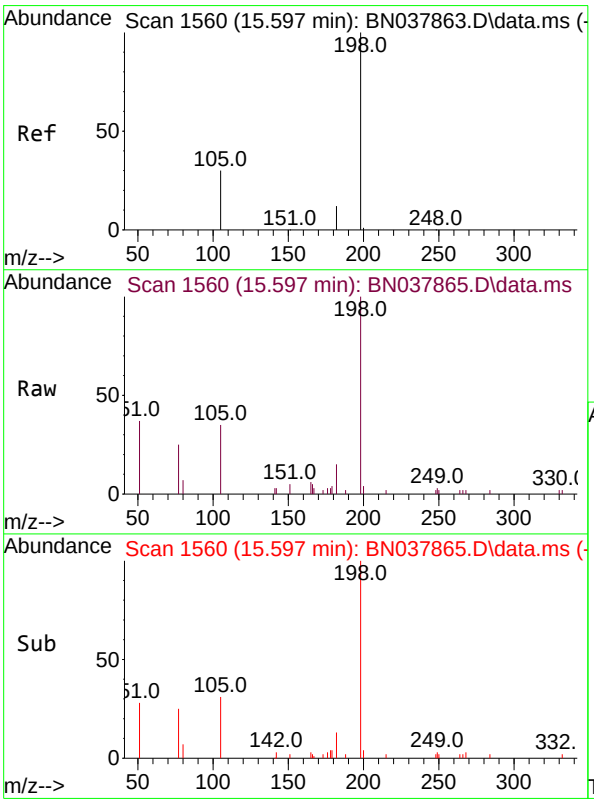
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.223 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037865.D
Acq: 23 Sep 2025 14:38

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:188 Resp: 15875

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.8	7.6	11.4

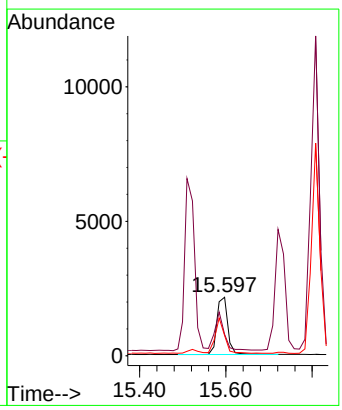


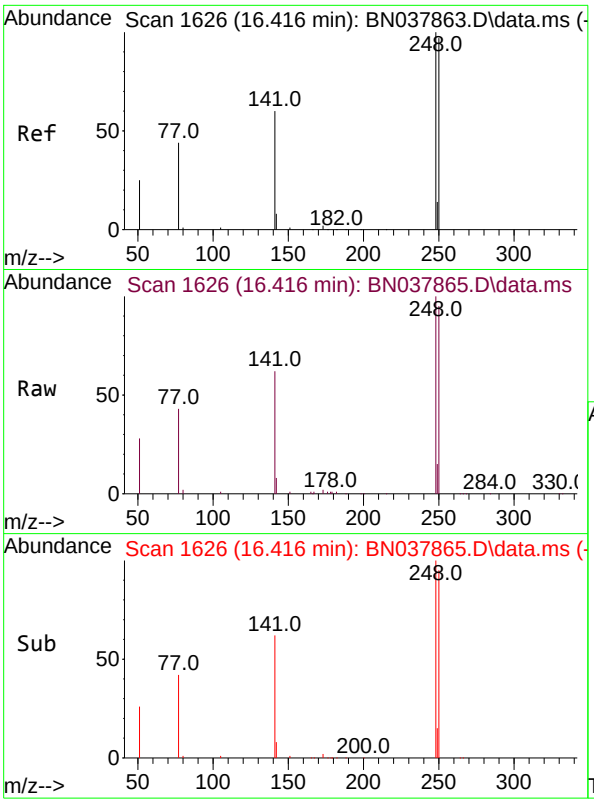


#20
4,6-Dinitro-2-methylphenol
Concen: 1.602 ng
RT: 15.597 min Scan# 1560
Delta R.T. -0.000 min
Lab File: BN037865.D
Acq: 23 Sep 2025 14:38

Tgt Ion:198 Resp: 3669

Ion	Ratio	Lower	Upper
198	100		
51	36.7	59.1	88.7#
105	34.9	41.3	61.9#



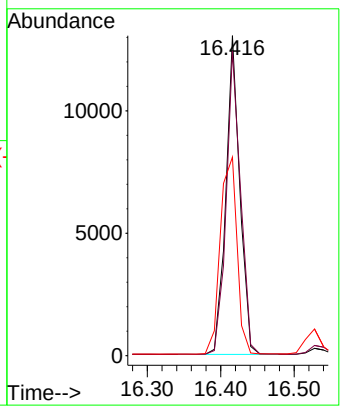


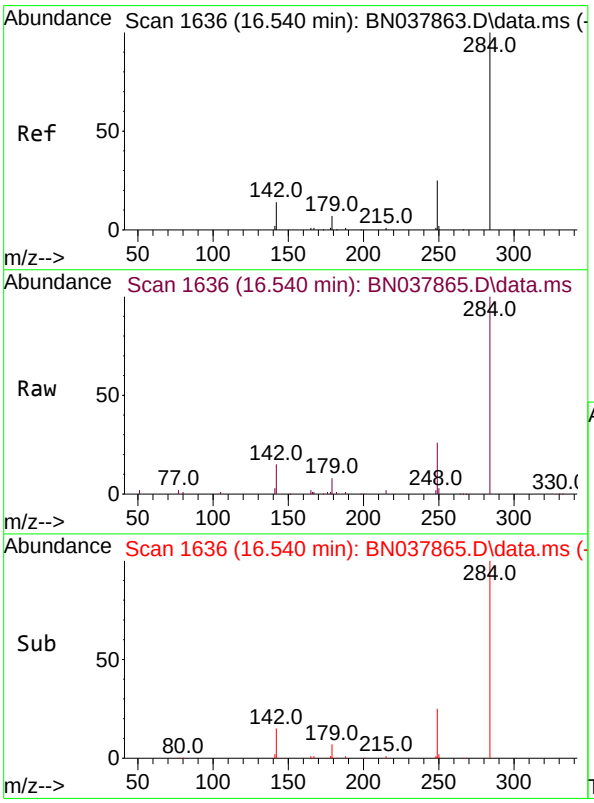
#21
4-Bromophenyl-phenylether
Concen: 1.670 ng
RT: 16.416 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037865.D
Acq: 23 Sep 2025 14:38

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:248 Resp: 17278

Ion	Ratio	Lower	Upper
248	100		
250	95.0	77.6	116.4
141	62.0	48.8	73.2

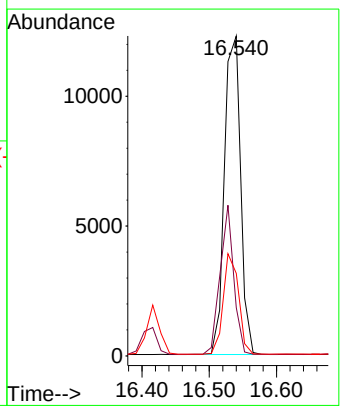


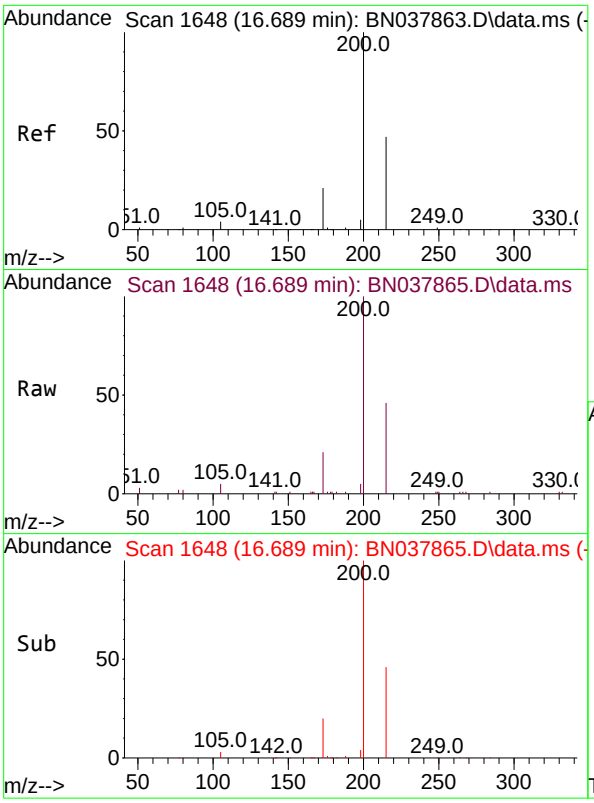


#22
Hexachlorobenzene
Concen: 1.638 ng
RT: 16.540 min Scan# 1636
Delta R.T. -0.000 min
Lab File: BN037865.D
Acq: 23 Sep 2025 14:38

Tgt Ion:284 Resp: 20548

Ion	Ratio	Lower	Upper
284	100		
142	39.6	30.9	46.3
249	29.9	23.9	35.9



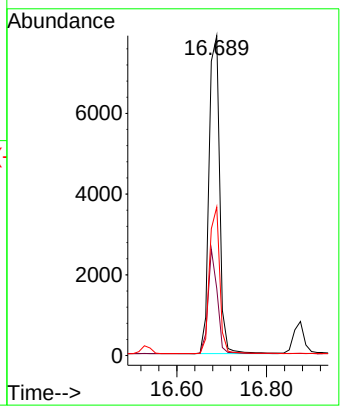


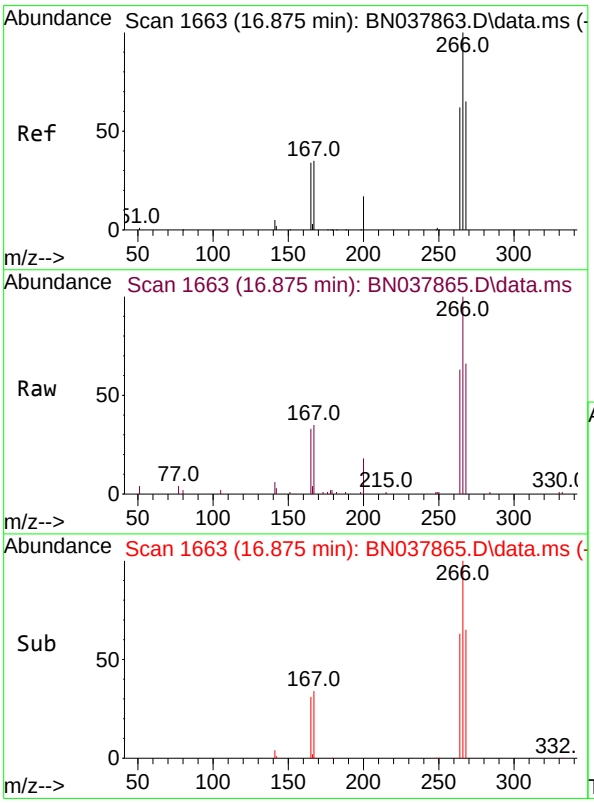
#23
Atrazine
Concen: 1.656 ng
RT: 16.689 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN037865.D
Acq: 23 Sep 2025 14:38

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:200 Resp: 13043

Ion	Ratio	Lower	Upper
200	100		
173	21.0	18.3	27.5
215	46.4	38.6	58.0

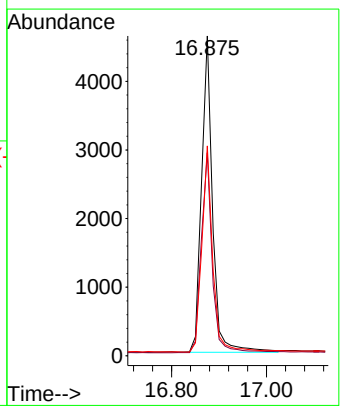


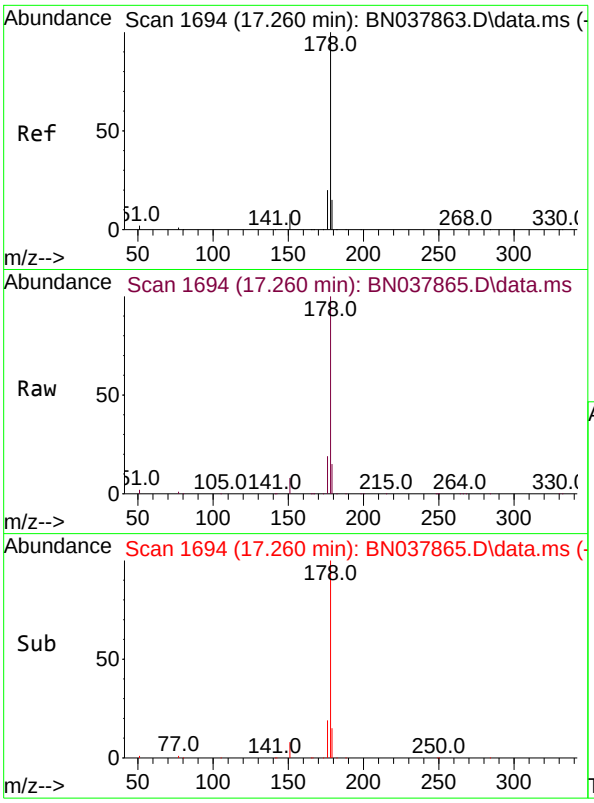


#24
Pentachlorophenol
Concen: 1.718 ng
RT: 16.875 min Scan# 1663
Delta R.T. 0.000 min
Lab File: BN037865.D
Acq: 23 Sep 2025 14:38

Tgt Ion:266 Resp: 7393

Ion	Ratio	Lower	Upper
266	100		
264	63.1	50.9	76.3
268	64.6	54.3	81.5



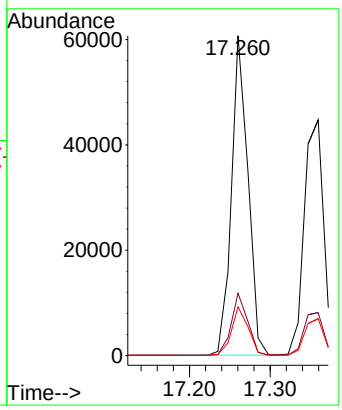


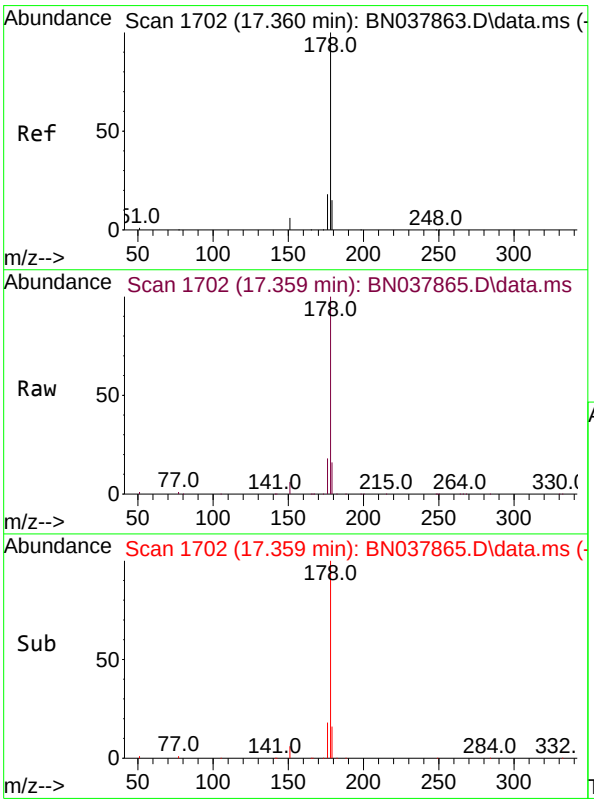
#25
Phenanthrene
Concen: 1.650 ng
RT: 17.260 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037865.D
Acq: 23 Sep 2025 14:38

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:178 Resp: 86207

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.7	23.5
179	15.3	12.3	18.5

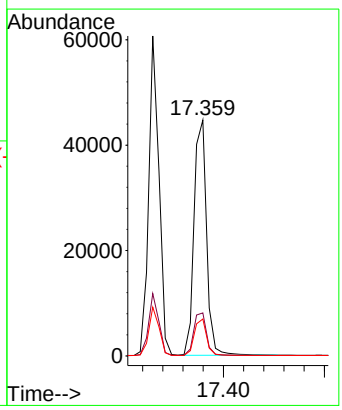


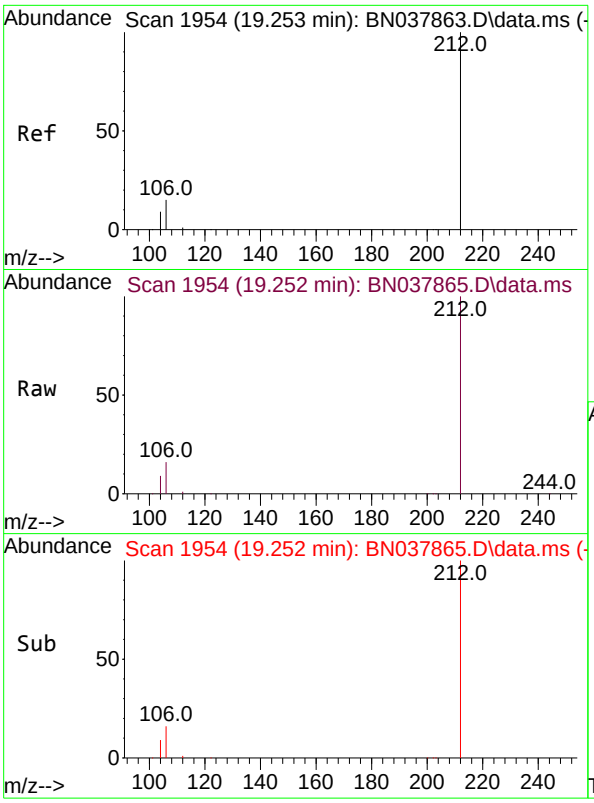


#26
Anthracene
Concen: 1.693 ng
RT: 17.359 min Scan# 1702
Delta R.T. -0.000 min
Lab File: BN037865.D
Acq: 23 Sep 2025 14:38

Tgt Ion:178 Resp: 76744

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.0	22.4
179	15.3	12.3	18.5



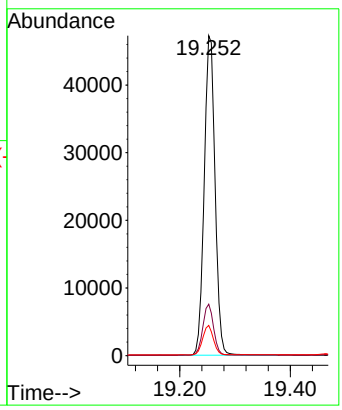


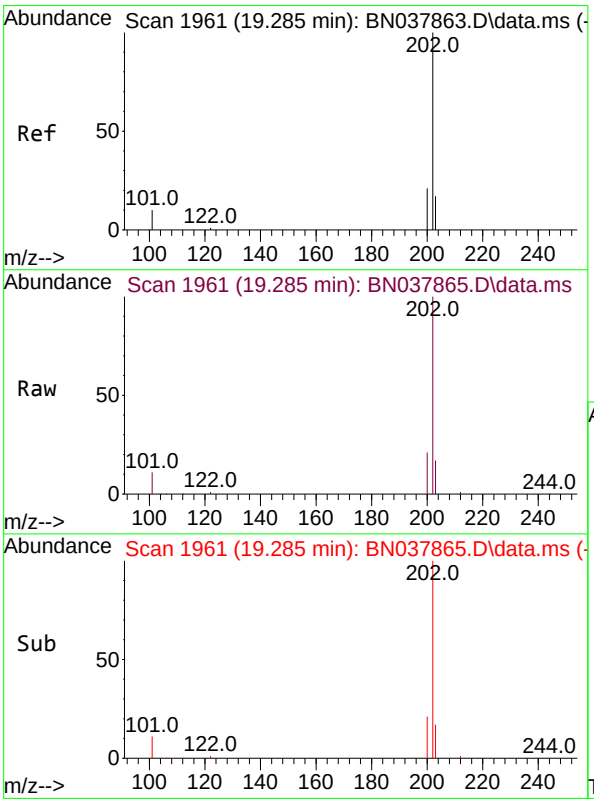
#27
Fluoranthene-d10
Concen: 1.597 ng
RT: 19.252 min Scan# 19
Delta R.T. -0.000 min
Lab File: BN037865.D
Acq: 23 Sep 2025 14:38

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:212 Resp: 63771

Ion	Ratio	Lower	Upper
212	100		
106	15.8	12.6	19.0
104	9.1	7.4	11.0

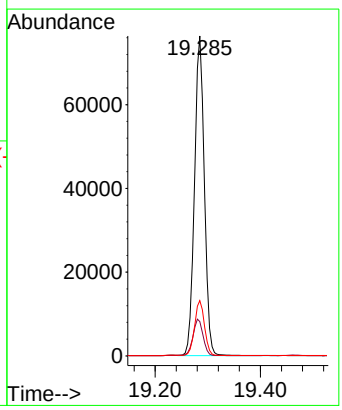


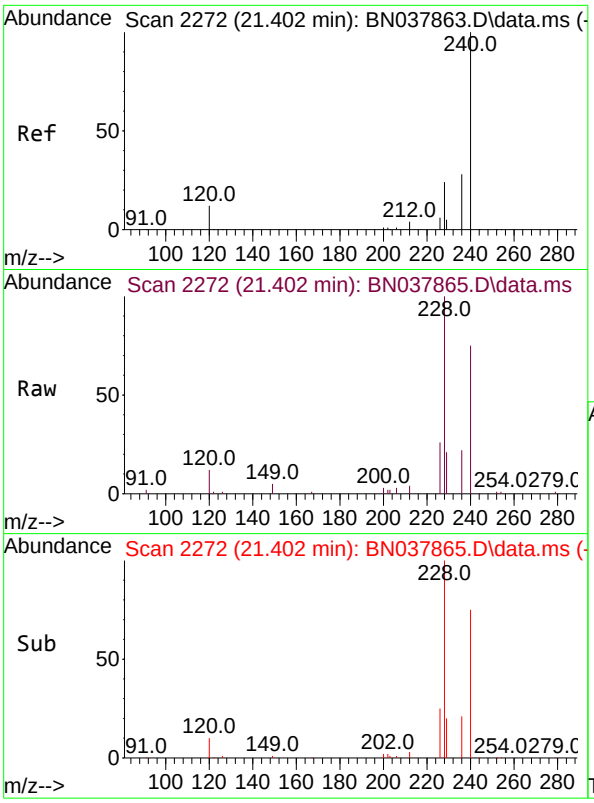


#28
Fluoranthene
Concen: 1.717 ng
RT: 19.285 min Scan# 1961
Delta R.T. -0.000 min
Lab File: BN037865.D
Acq: 23 Sep 2025 14:38

Tgt Ion:202 Resp: 98772

Ion	Ratio	Lower	Upper
202	100		
101	11.8	9.3	13.9
203	17.2	13.6	20.4



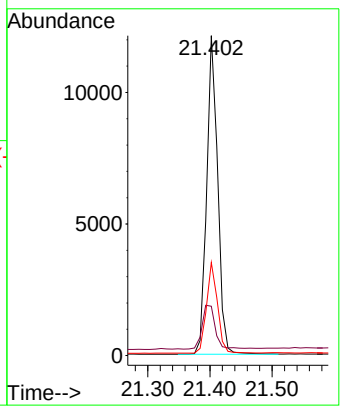


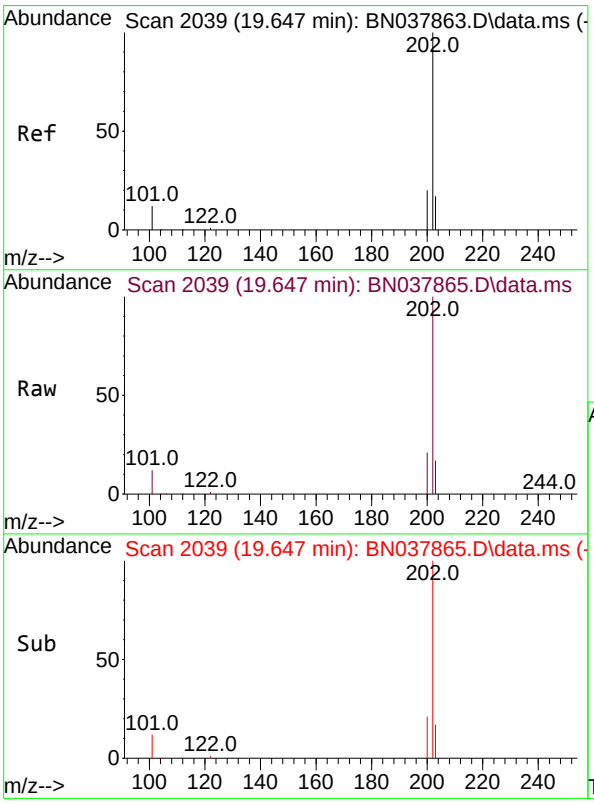
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.402 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN037865.D
Acq: 23 Sep 2025 14:38

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:240 Resp: 14963

Ion	Ratio	Lower	Upper
240	100		
120	15.4	11.4	17.2
236	29.1	23.0	34.6

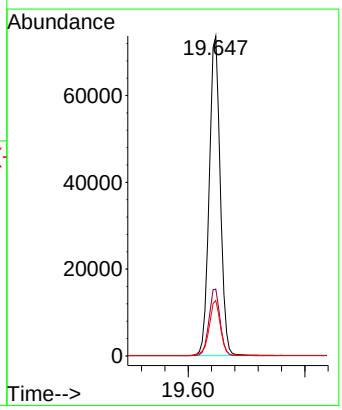


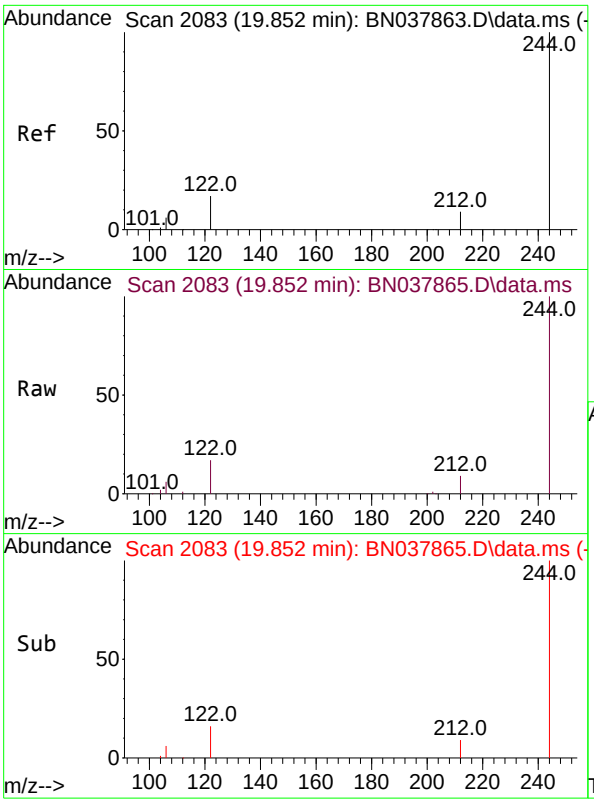


#30
Pyrene
Concen: 1.628 ng
RT: 19.647 min Scan# 2039
Delta R.T. -0.000 min
Lab File: BN037865.D
Acq: 23 Sep 2025 14:38

Tgt Ion:202 Resp: 96189

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.7	25.1
203	17.6	14.2	21.4



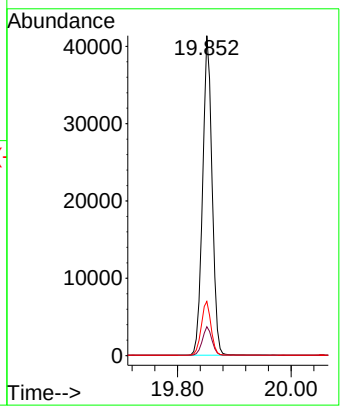


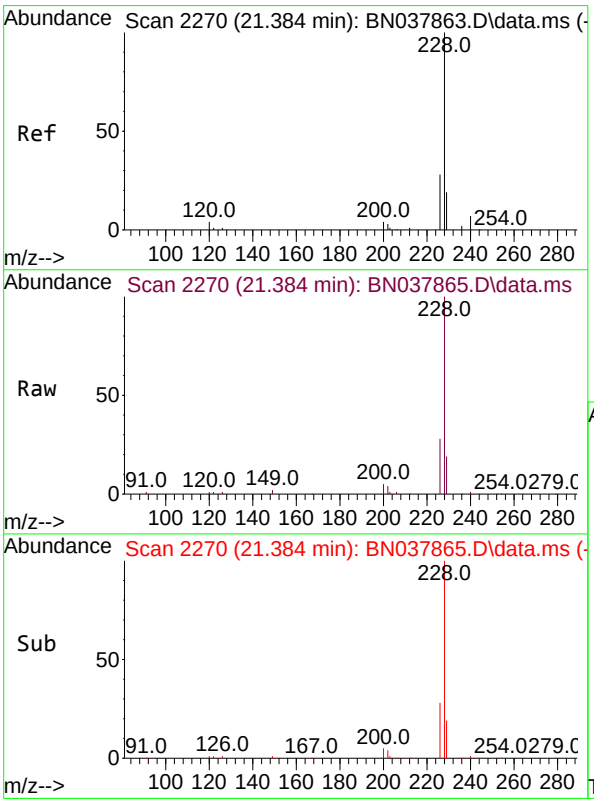
#31
Terphenyl-d14
Concen: 1.603 ng
RT: 19.852 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037865.D
Acq: 23 Sep 2025 14:38

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:244 Resp: 47765

Ion	Ratio	Lower	Upper
244	100		
212	9.0	7.6	11.4
122	16.9	13.9	20.9

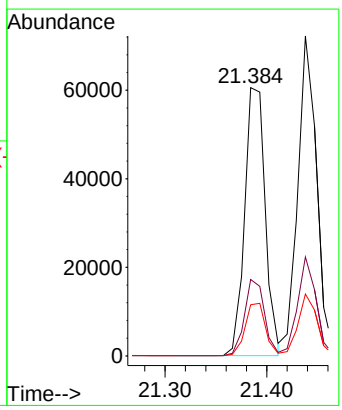


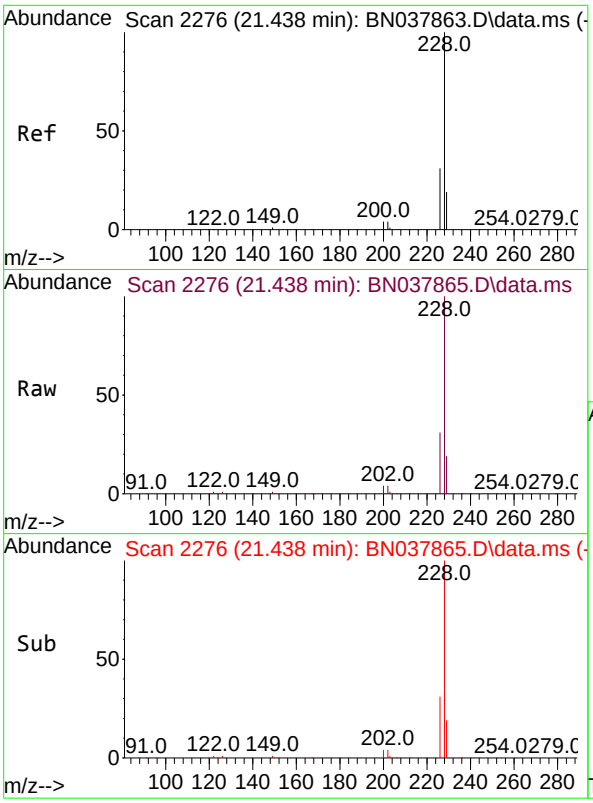


#32
Benzo(a)anthracene
Concen: 1.628 ng
RT: 21.384 min Scan# 2270
Delta R.T. -0.000 min
Lab File: BN037865.D
Acq: 23 Sep 2025 14:38

Tgt Ion:228 Resp: 85145

Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.6	33.8
229	19.1	15.6	23.4



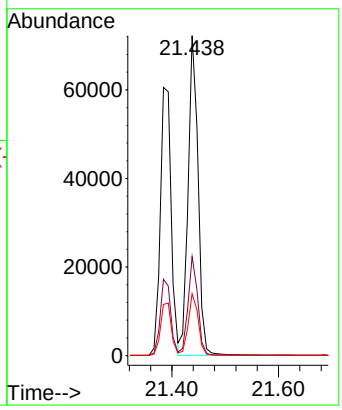


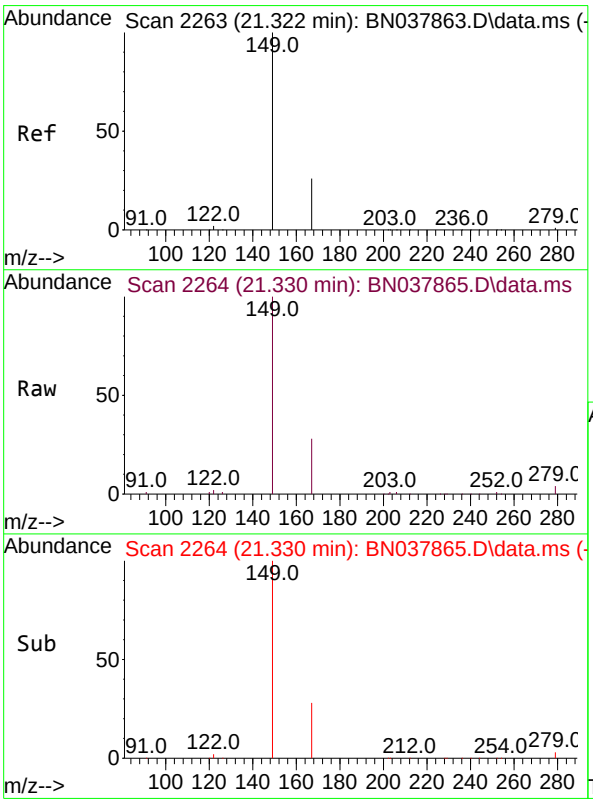
#33
Chrysene
Concen: 1.650 ng
RT: 21.438 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037865.D
Acq: 23 Sep 2025 14:38

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:228 Resp: 93309

Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.6	37.0
229	19.3	15.6	23.4

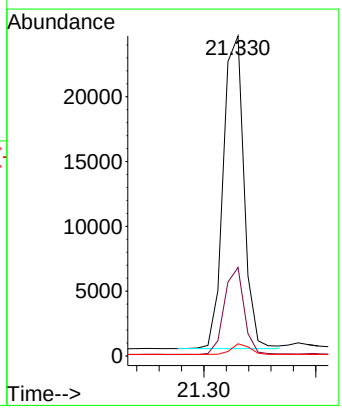


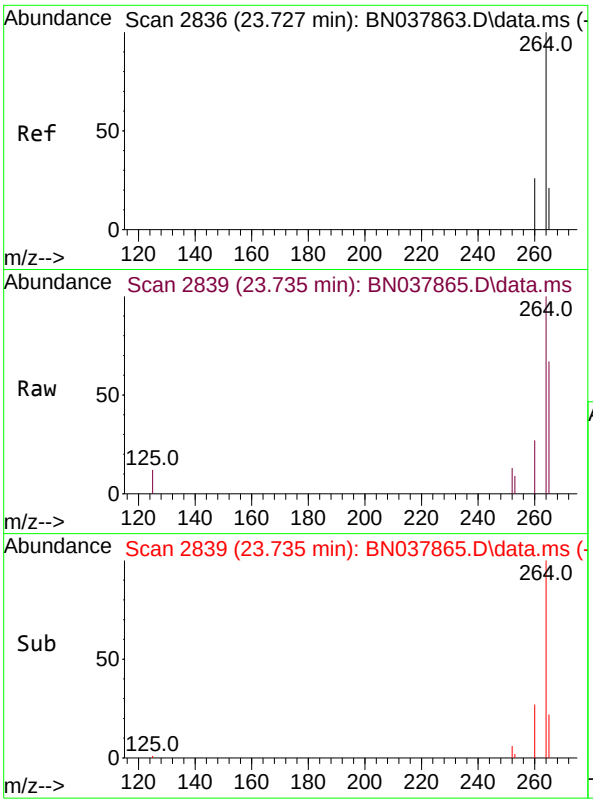


#34
Bis(2-ethylhexyl)phthalate
Concen: 1.500 ng
RT: 21.330 min Scan# 2264
Delta R.T. 0.009 min
Lab File: BN037865.D
Acq: 23 Sep 2025 14:38

Tgt Ion:149 Resp: 31032

Ion	Ratio	Lower	Upper
149	100		
167	26.4	20.4	30.6
279	3.4	2.4	3.6



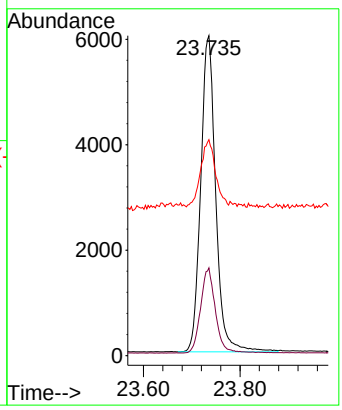


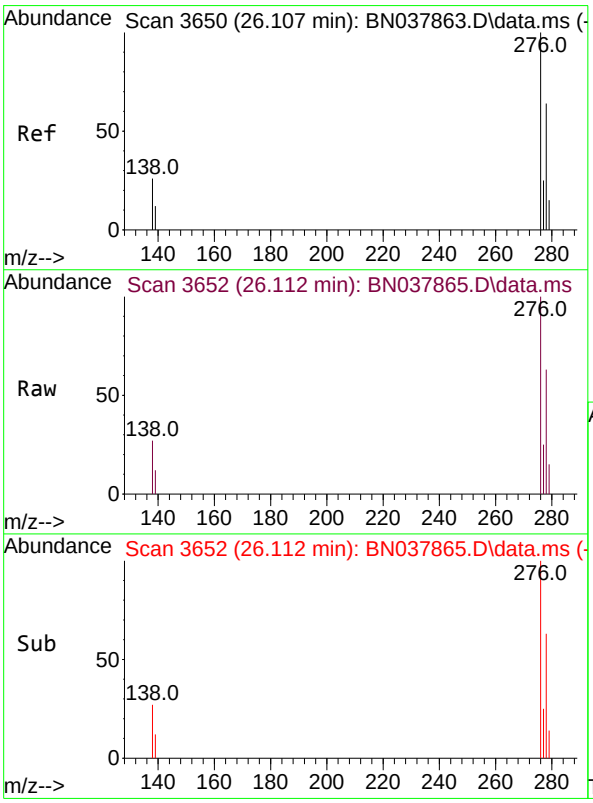
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.735 min Scan# 28
Delta R.T. 0.009 min
Lab File: BN037865.D
Acq: 23 Sep 2025 14:38

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:264 Resp: 12917

Ion	Ratio	Lower	Upper
264	100		
260	27.4	21.5	32.3
265	67.5	53.8	80.6

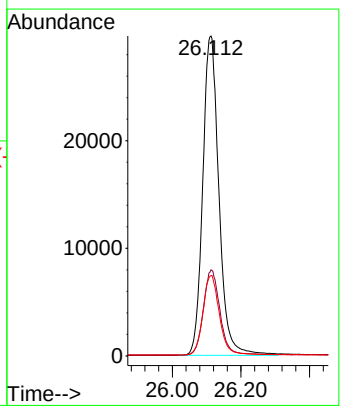


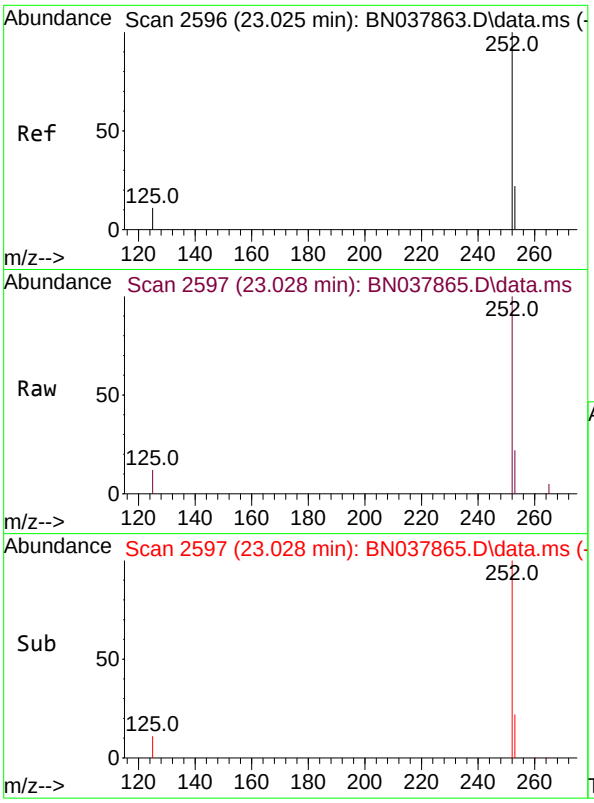


#36
Indeno(1,2,3-cd)pyrene
Concen: 1.652 ng
RT: 26.112 min Scan# 3652
Delta R.T. 0.006 min
Lab File: BN037865.D
Acq: 23 Sep 2025 14:38

Tgt Ion:276 Resp: 97476

Ion	Ratio	Lower	Upper
276	100		
138	27.1	21.4	32.0
277	25.1	20.3	30.5



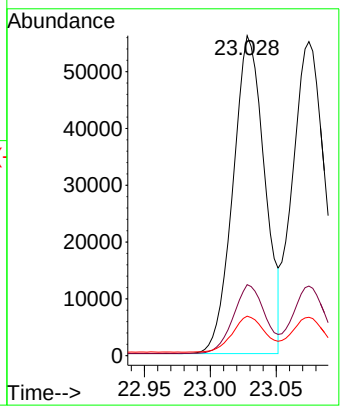


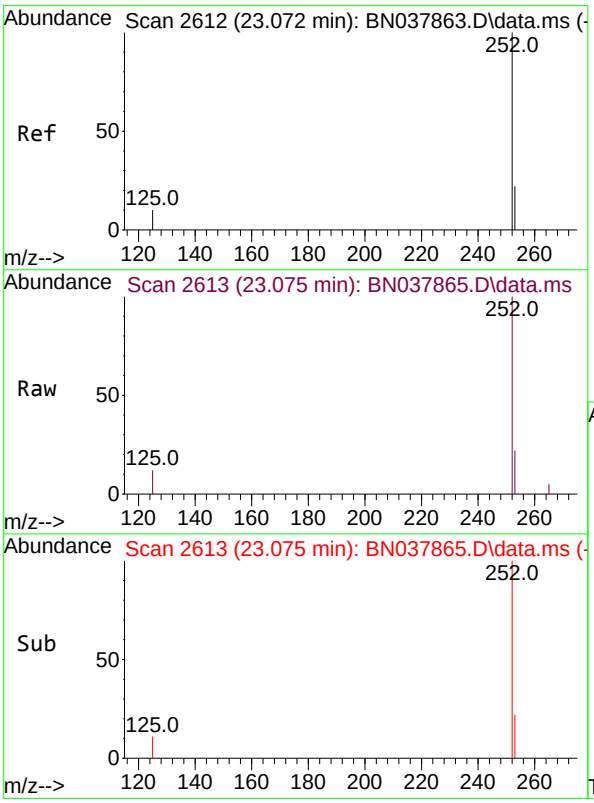
#37
Benzo(b)fluoranthene
Concen: 1.679 ng
RT: 23.028 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN037865.D
Acq: 23 Sep 2025 14:38

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:252 Resp: 93525

Ion	Ratio	Lower	Upper
252	100		
253	22.2	19.4	29.0
125	12.3	13.0	19.4#

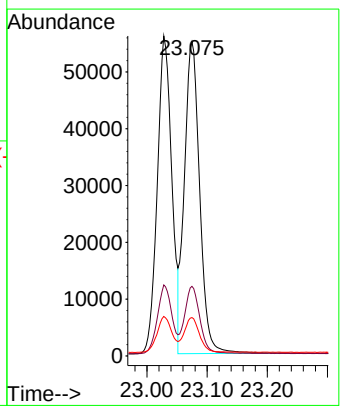


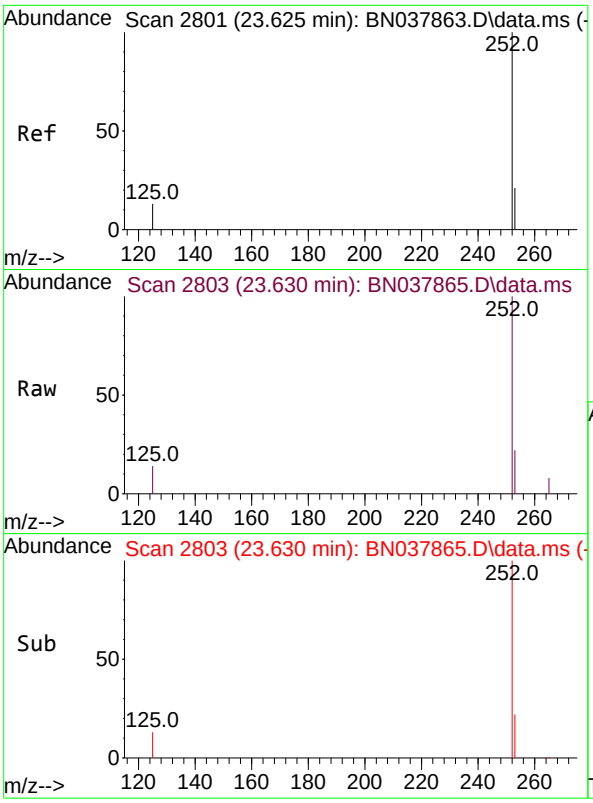


#38
Benzo(k)fluoranthene
Concen: 1.728 ng
RT: 23.075 min Scan# 2613
Delta R.T. 0.003 min
Lab File: BN037865.D
Acq: 23 Sep 2025 14:38

Tgt Ion:252 Resp: 96868

Ion	Ratio	Lower	Upper
252	100		
253	22.1	19.5	29.3
125	12.2	13.0	19.4#



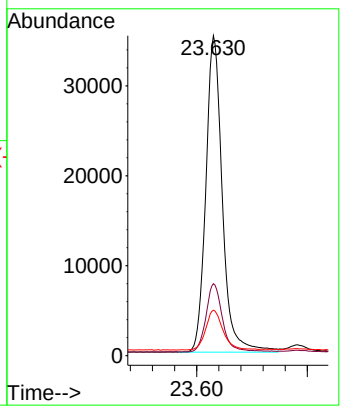


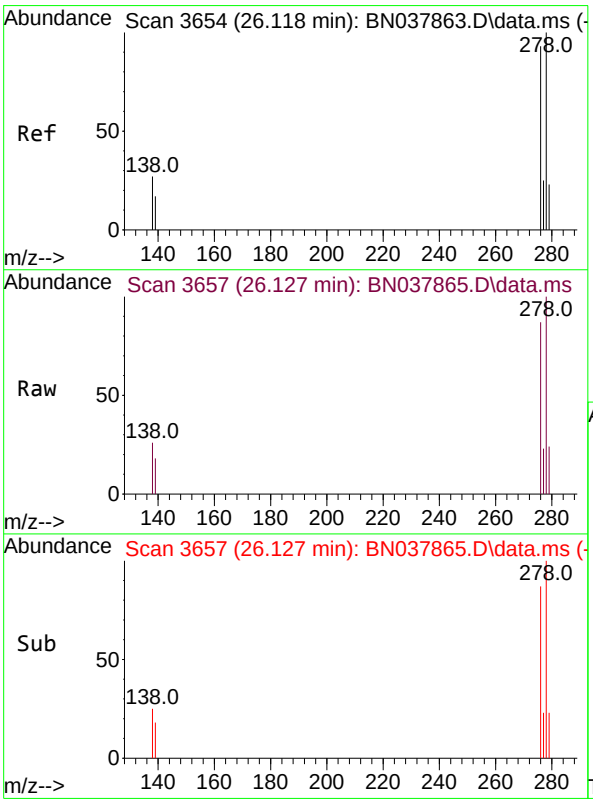
#39
Benzo(a)pyrene
Concen: 1.657 ng
RT: 23.630 min Scan# 28
Delta R.T. 0.006 min
Lab File: BN037865.D
Acq: 23 Sep 2025 14:38

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:252 Resp: 73009

Ion	Ratio	Lower	Upper
252	100		
253	22.5	20.6	30.8
125	14.2	16.7	25.1#

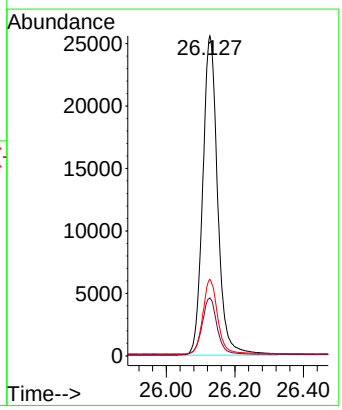


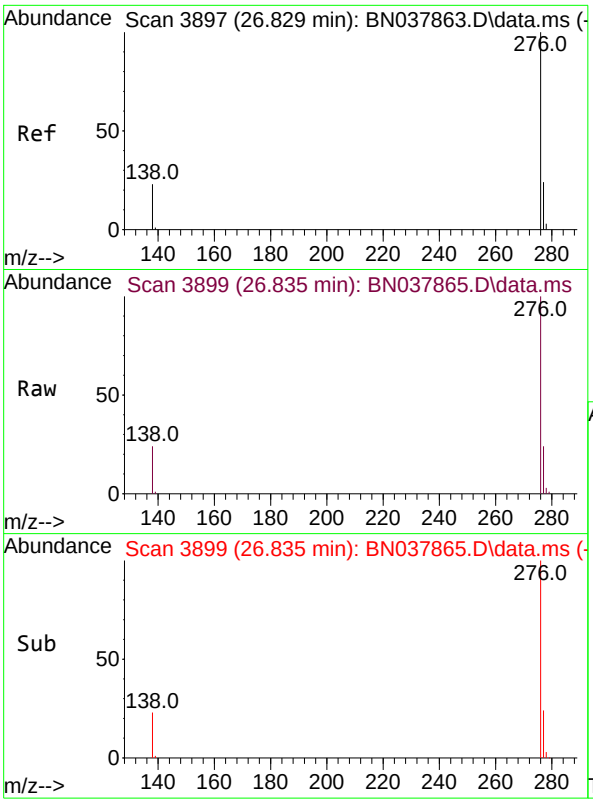


#40
Dibenzo(a,h)anthracene
Concen: 1.676 ng
RT: 26.127 min Scan# 3657
Delta R.T. 0.009 min
Lab File: BN037865.D
Acq: 23 Sep 2025 14:38

Tgt Ion:278 Resp: 77237

Ion	Ratio	Lower	Upper
278	100		
139	18.1	15.4	23.2
279	23.9	20.8	31.2



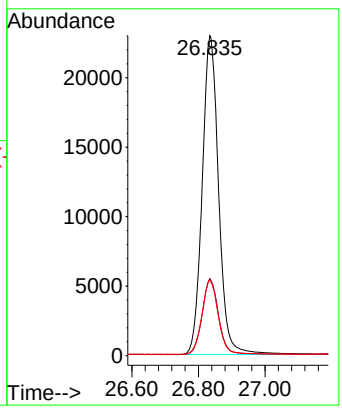


#41
Benzo(g,h,i)perylene
Concen: 1.623 ng
RT: 26.835 min Scan# 3
Delta R.T. 0.006 min
Lab File: BN037865.D
Acq: 23 Sep 2025 14:38

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:276 Resp: 78576

Ion	Ratio	Lower	Upper
276	100		
277	24.1	20.2	30.4
138	23.5	19.8	29.8



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092325\
Data File : BN037866.D
Acq On : 23 Sep 2025 15:15
Operator : RC/JU
Sample : SSTDICC3.2
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Quant Time: Sep 23 16:23:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 23 16:17:53 2025
Response via : Initial Calibration

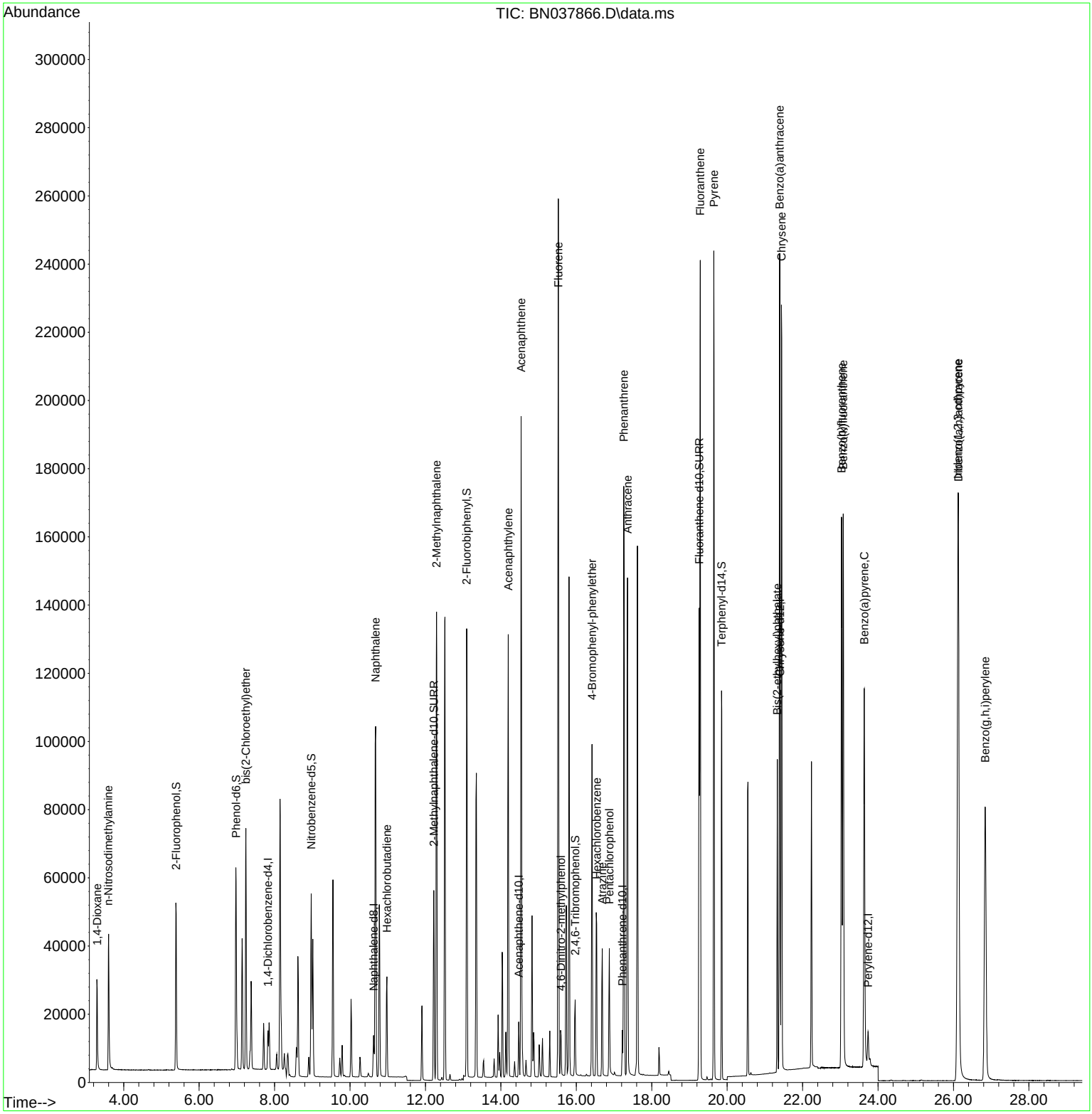
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.825	152	5486	0.400	ng		0.00
7) Naphthalene-d8	10.626	136	15583	0.400	ng		0.00
13) Acenaphthene-d10	14.473	164	8623	0.400	ng		0.00
19) Phenanthrene-d10	17.223	188	16225	0.400	ng		0.00
29) Chrysene-d12	21.402	240	16309	0.400	ng	#	0.00
35) Perylene-d12	23.736	264	13684	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.392	112	40521	3.237	ng		0.00
5) Phenol-d6	6.980	99	54237	3.297	ng		0.00
8) Nitrobenzene-d5	8.971	82	39859	3.353	ng		0.00
11) 2-Methylnaphthalene-d10	12.222	152	73211	3.382	ng		0.00
14) 2,4,6-Tribromophenol	15.969	330	12677	3.642	ng		0.00
15) 2-Fluorobiphenyl	13.094	172	113791	3.223	ng		0.00
27) Fluoranthene-d10	19.257	212	140845	3.451	ng		0.00
31) Terphenyl-d14	19.852	244	105582	3.250	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.297	88	18009	3.234	ng		99
3) n-Nitrosodimethylamine	3.593	42	24113	3.255	ng	#	89
6) bis(2-Chloroethyl)ether	7.240	93	49318	3.230	ng		100
9) Naphthalene	10.680	128	141732	3.301	ng		98
10) Hexachlorobutadiene	10.979	225	23493	3.208	ng	#	99
12) 2-Methylnaphthalene	12.293	142	96667	3.447	ng		99
16) Acenaphthylene	14.195	152	134565	3.437	ng		100
17) Acenaphthene	14.537	154	94611	3.392	ng		95
18) Fluorene	15.522	166	118468	3.511	ng		100
20) 4,6-Dinitro-2-methylph...	15.597	198	9172	3.211	ng	#	62
21) 4-Bromophenyl-phenylether	16.416	248	35637	3.370	ng		96
22) Hexachlorobenzene	16.540	284	41902	3.269	ng		100
23) Atrazine	16.689	200	29112	3.616	ng		97
24) Pentachlorophenol	16.875	266	17645	4.011	ng		97
25) Phenanthrene	17.260	178	178985	3.352	ng		99
26) Anthracene	17.360	178	165527	3.573	ng		100
28) Fluoranthene	19.285	202	209920	3.570	ng		99
30) Pyrene	19.647	202	208135	3.232	ng		100
32) Benzo(a)anthracene	21.393	228	193464	3.394	ng		98
33) Chrysene	21.438	228	197283	3.201	ng		99
34) Bis(2-ethylhexyl)phtha...	21.331	149	74195	3.291	ng		98
36) Indeno(1,2,3-cd)pyrene	26.118	276	218487	3.494	ng		100
37) Benzo(b)fluoranthene	23.031	252	202282	3.428	ng	#	93
38) Benzo(k)fluoranthene	23.078	252	209819	3.534	ng	#	93
39) Benzo(a)pyrene	23.636	252	163321	3.499	ng	#	88
40) Dibenzo(a,h)anthracene	26.133	278	173724	3.558	ng		96
41) Benzo(g,h,i)perylene	26.841	276	176617	3.443	ng		97

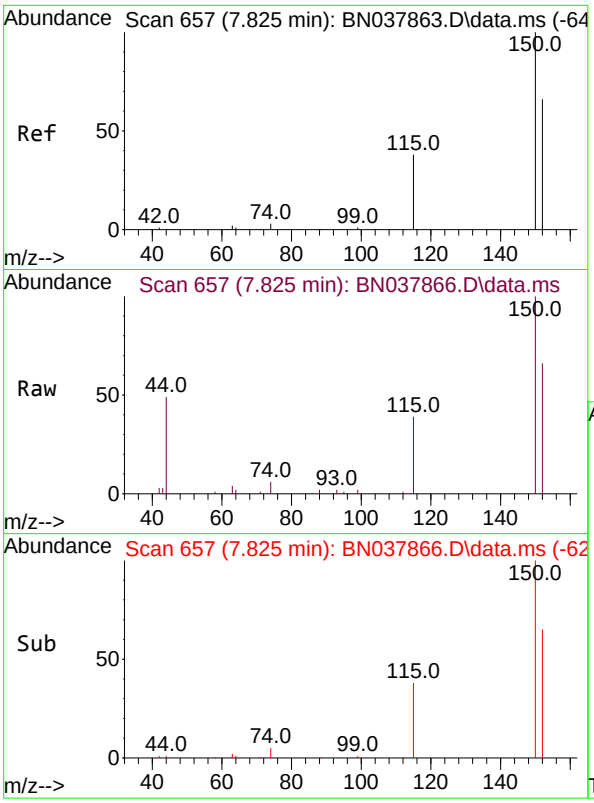
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092325\
Data File : BN037866.D
Acq On : 23 Sep 2025 15:15
Operator : RC/JU
Sample : SSTDICC3.2
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Quant Time: Sep 23 16:23:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 23 16:17:53 2025
Response via : Initial Calibration



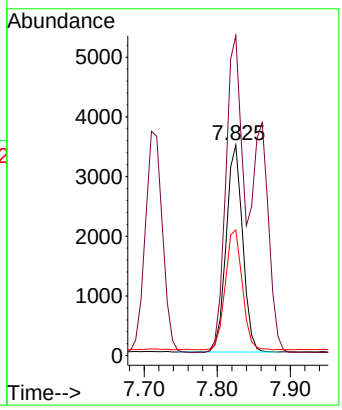


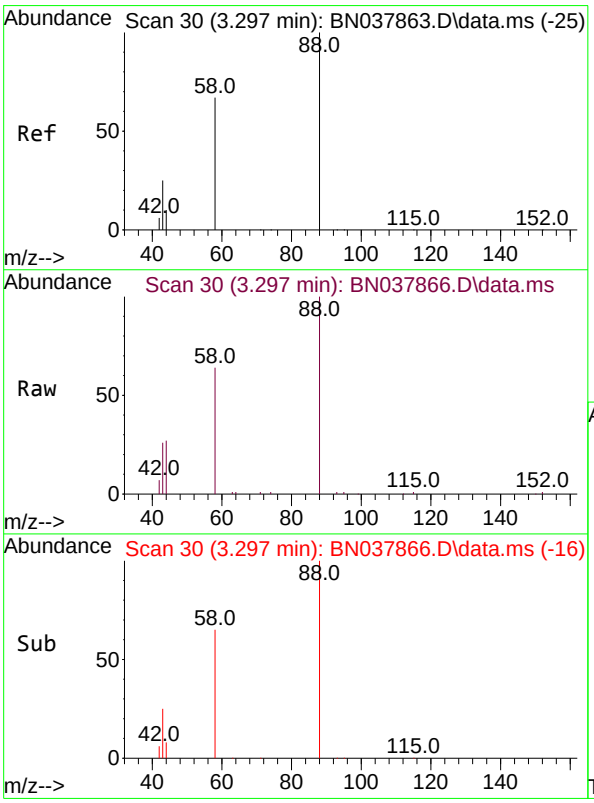
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.825 min Scan# 6
Delta R.T. 0.000 min
Lab File: BN037866.D
Acq: 23 Sep 2025 15:15

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:152 Resp: 5486

Ion	Ratio	Lower	Upper
152	100		
150	151.9	121.0	181.4
115	59.6	47.4	71.0

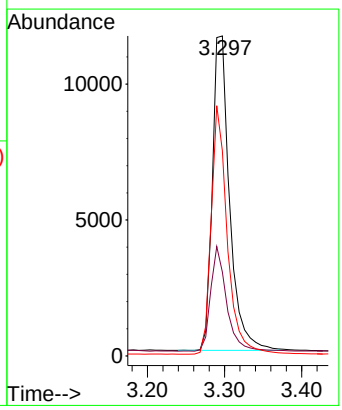


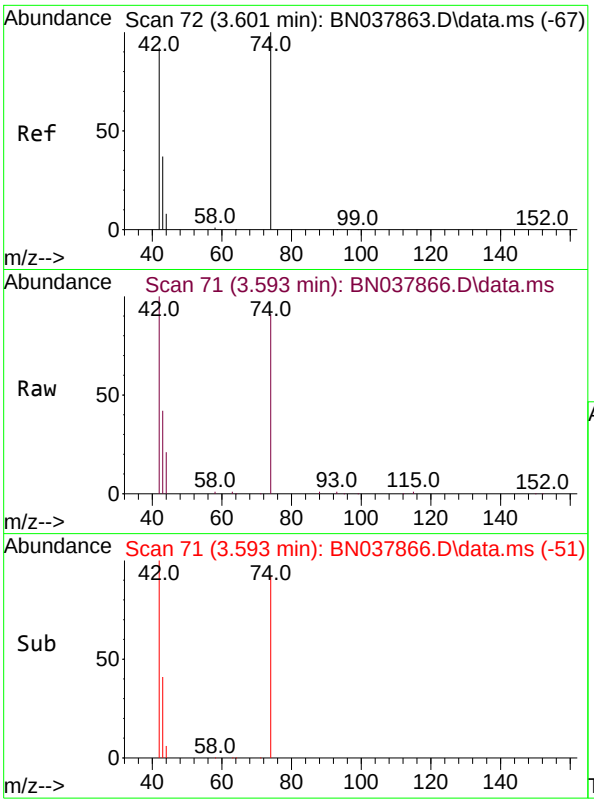


#2
1,4-Dioxane
Concen: 3.234 ng
RT: 3.297 min Scan# 30
Delta R.T. -0.000 min
Lab File: BN037866.D
Acq: 23 Sep 2025 15:15

Tgt Ion: 88 Resp: 18009

Ion	Ratio	Lower	Upper
88	100		
43	30.7	26.6	39.8
58	73.6	58.9	88.3



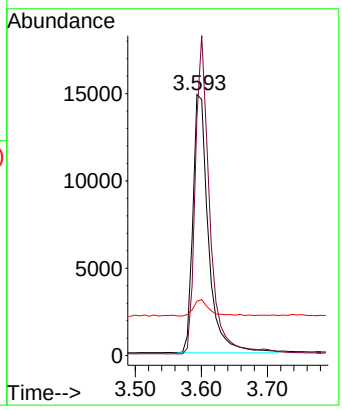


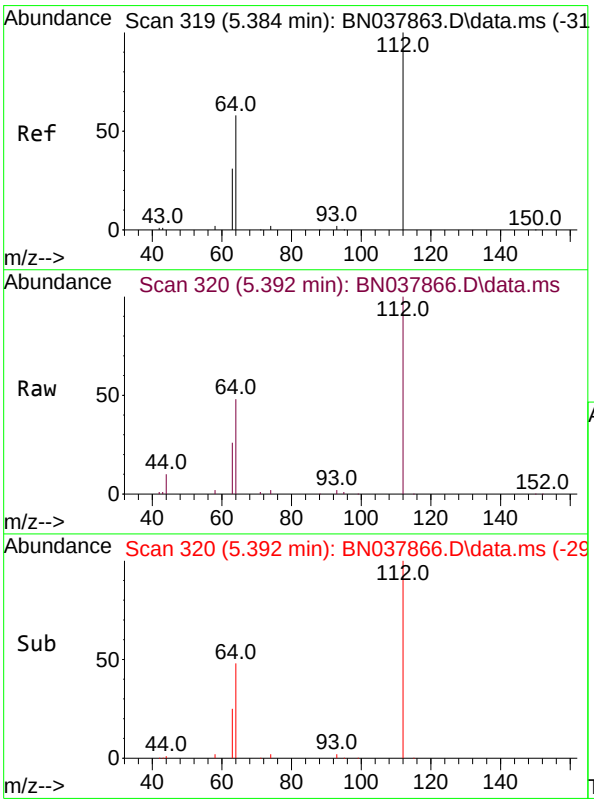
#3
n-Nitrosodimethylamine
Concen: 3.255 ng
RT: 3.593 min Scan# 71
Delta R.T. -0.007 min
Lab File: BN037866.D
Acq: 23 Sep 2025 15:15

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion: 42 Resp: 24113

Ion	Ratio	Lower	Upper
42	100		
74	112.5	93.4	140.0
44	6.3	22.2	33.4#

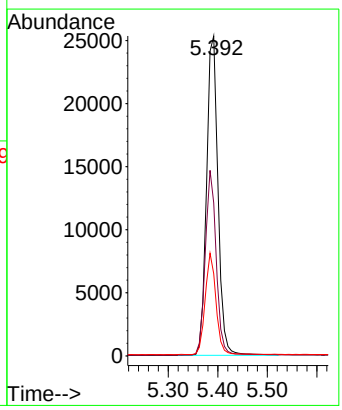


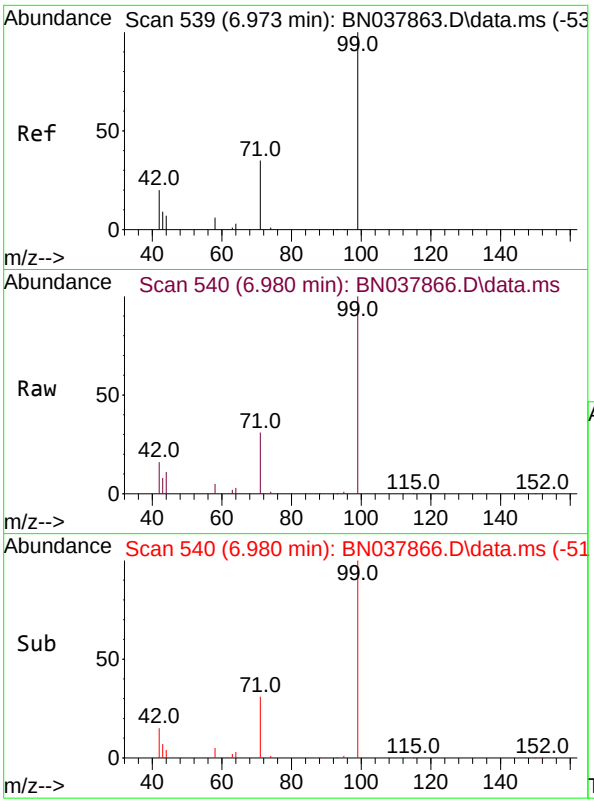


#4
2-Fluorophenol
Concen: 3.237 ng
RT: 5.392 min Scan# 320
Delta R.T. 0.007 min
Lab File: BN037866.D
Acq: 23 Sep 2025 15:15

Tgt Ion:112 Resp: 40521

Ion	Ratio	Lower	Upper
112	100		
64	55.6	44.6	66.8
63	30.1	24.9	37.3



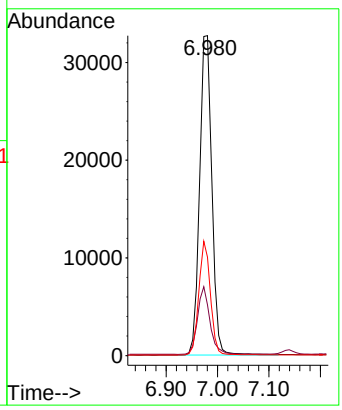


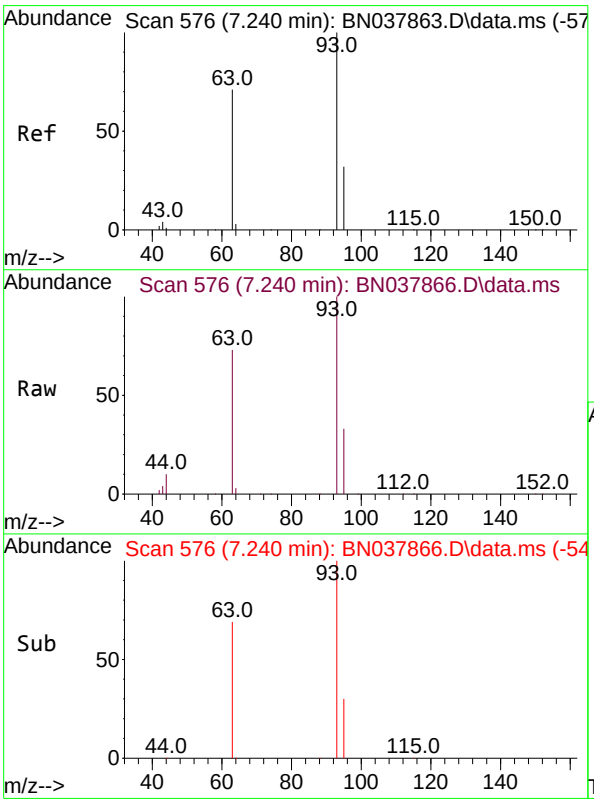
#5
Phenol-d6
Concen: 3.297 ng
RT: 6.980 min Scan# 54
Delta R.T. 0.007 min
Lab File: BN037866.D
Acq: 23 Sep 2025 15:15

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion: 99 Resp: 54237

Ion	Ratio	Lower	Upper
99	100		
42	21.2	17.2	25.8
71	33.7	27.3	40.9

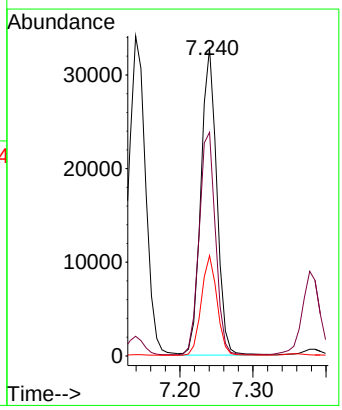


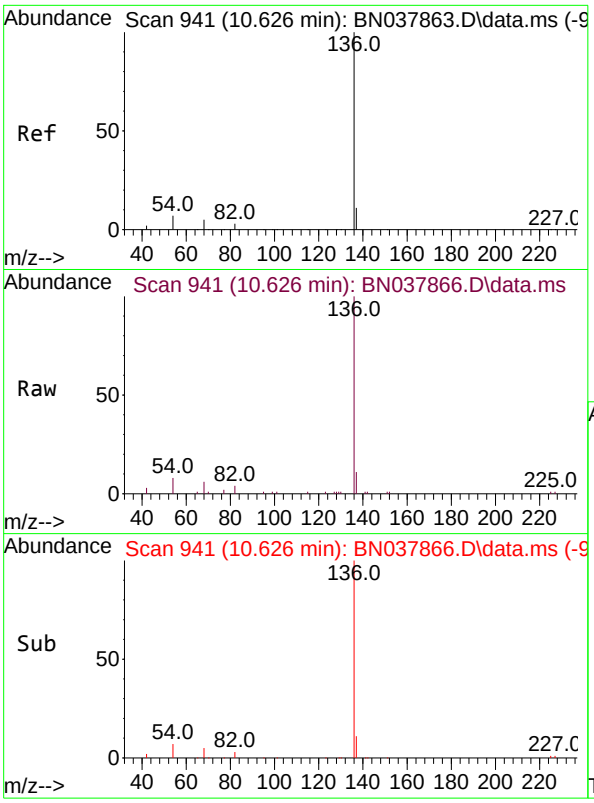


#6
bis(2-Chloroethyl)ether
Concen: 3.230 ng
RT: 7.240 min Scan# 576
Delta R.T. -0.000 min
Lab File: BN037866.D
Acq: 23 Sep 2025 15:15

Tgt Ion: 93 Resp: 49318

Ion	Ratio	Lower	Upper
93	100		
63	74.8	60.1	90.1
95	32.1	25.4	38.2



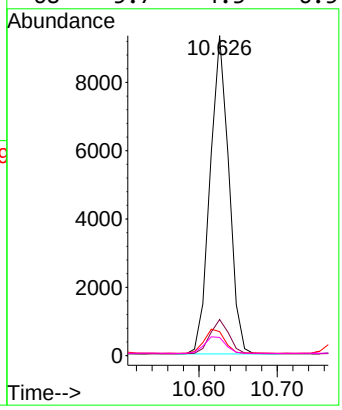


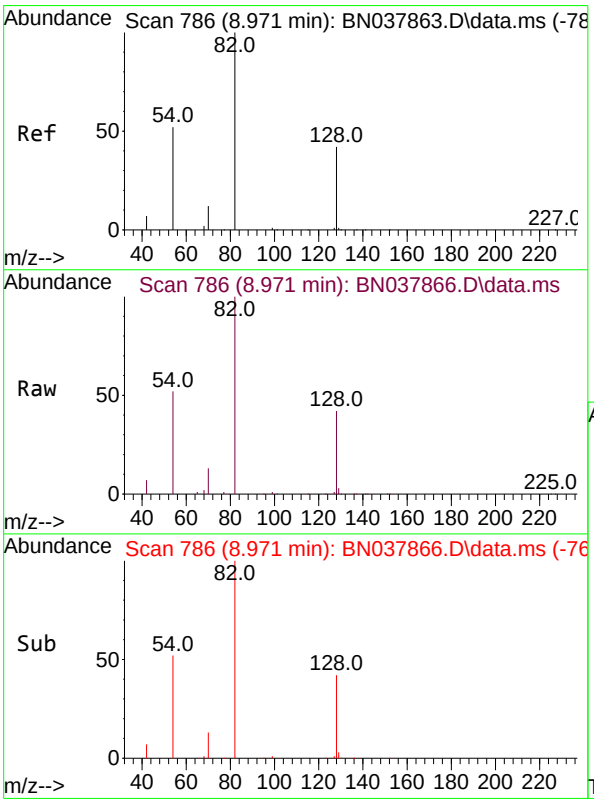
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.626 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN037866.D
Acq: 23 Sep 2025 15:15

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:136 Resp: 15583

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.4
54	7.5	5.8	8.8
68	5.7	4.3	6.5

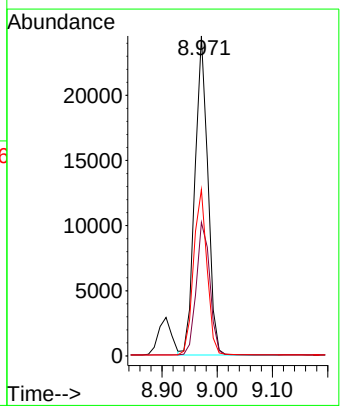


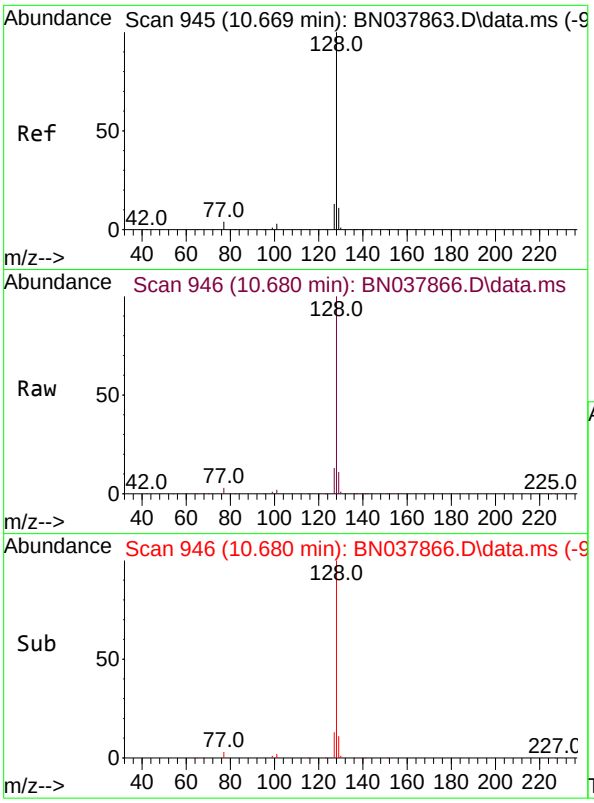


#8
Nitrobenzene-d5
Concen: 3.353 ng
RT: 8.971 min Scan# 786
Delta R.T. -0.000 min
Lab File: BN037866.D
Acq: 23 Sep 2025 15:15

Tgt Ion: 82 Resp: 39859

Ion	Ratio	Lower	Upper
82	100		
128	41.7	34.8	52.2
54	52.0	42.2	63.2



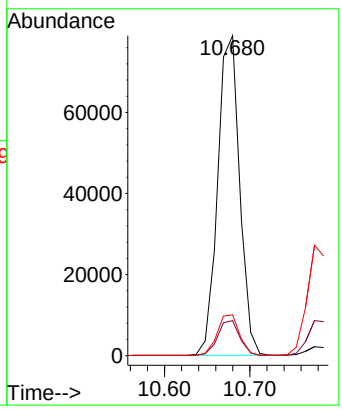


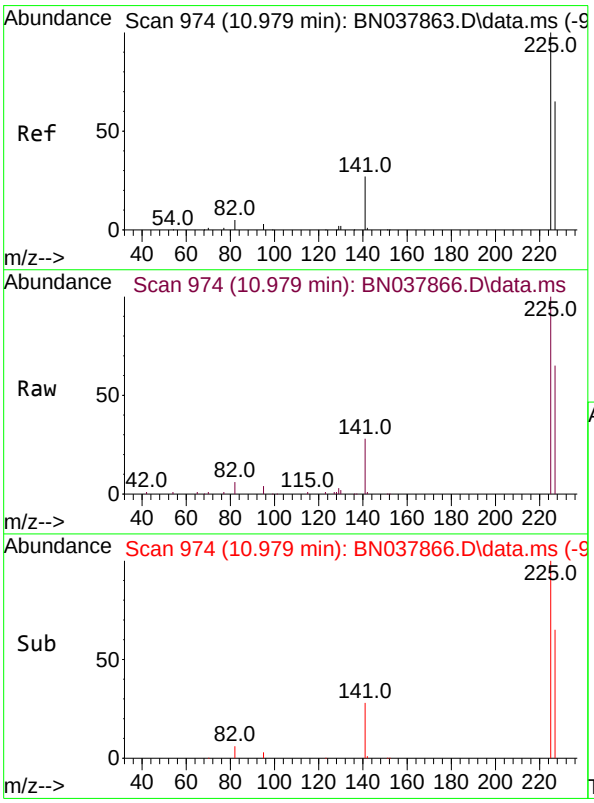
#9
Naphthalene
Concen: 3.301 ng
RT: 10.680 min Scan# 94
Delta R.T. 0.011 min
Lab File: BN037866.D
Acq: 23 Sep 2025 15:15

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:128 Resp: 141732

Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.2	13.8
127	12.7	11.0	16.6

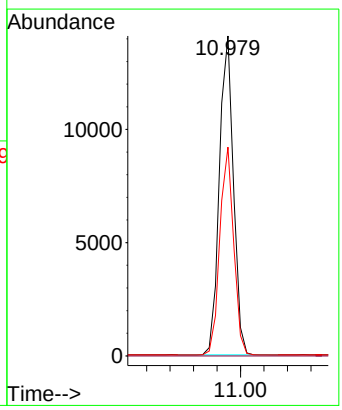


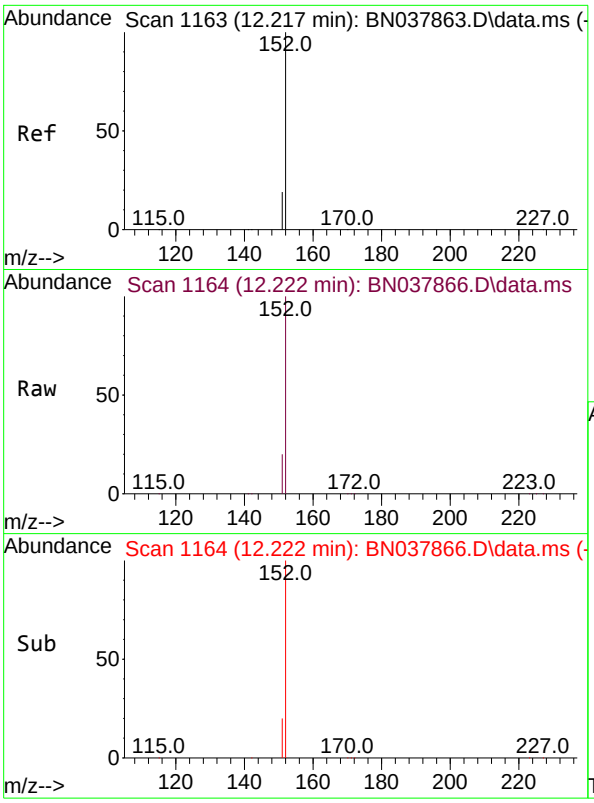


#10
Hexachlorobutadiene
Concen: 3.208 ng
RT: 10.979 min Scan# 974
Delta R.T. -0.000 min
Lab File: BN037866.D
Acq: 23 Sep 2025 15:15

Tgt Ion:225 Resp: 23493

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.8	51.4	77.2



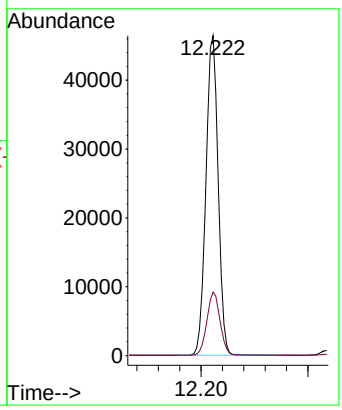


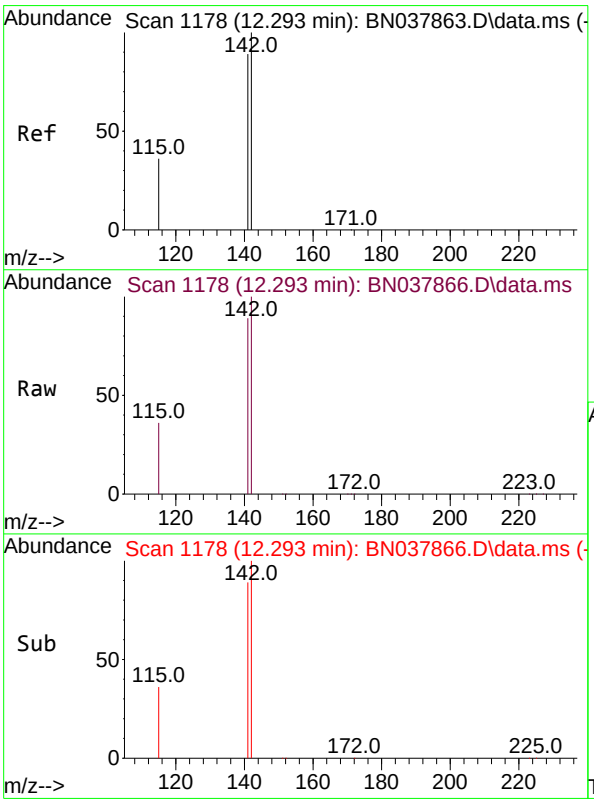
#11
2-Methylnaphthalene-d10
Concen: 3.382 ng
RT: 12.222 min Scan# 11
Delta R.T. 0.005 min
Lab File: BN037866.D
Acq: 23 Sep 2025 15:15

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:152 Resp: 73211

Ion	Ratio	Lower	Upper
152	100		
151	21.3	17.4	26.2

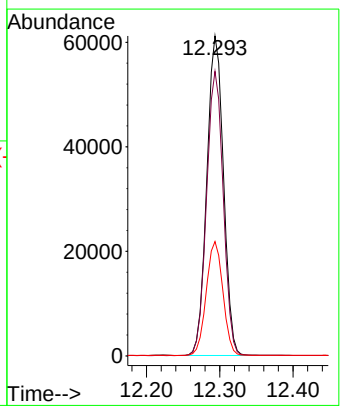


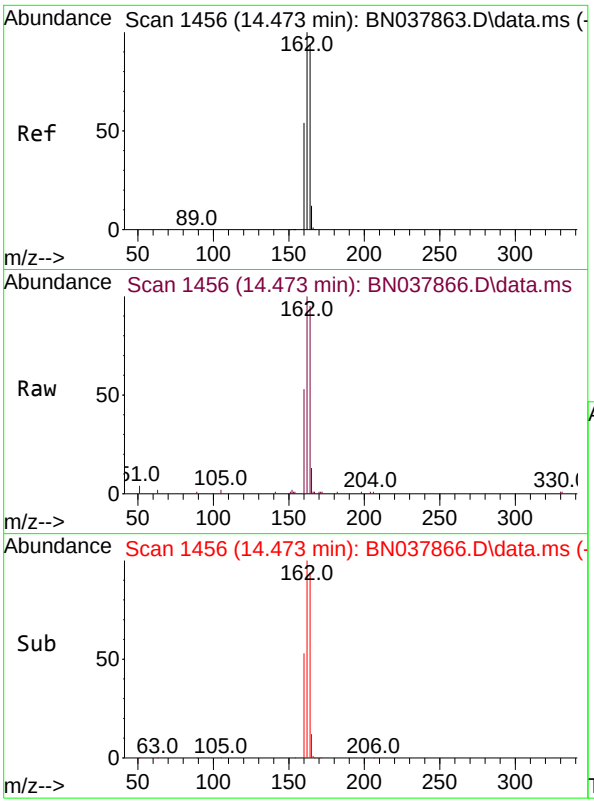


#12
2-Methylnaphthalene
Concen: 3.447 ng
RT: 12.293 min Scan# 1178
Delta R.T. -0.000 min
Lab File: BN037866.D
Acq: 23 Sep 2025 15:15

Tgt Ion:142 Resp: 96667

Ion	Ratio	Lower	Upper
142	100		
141	88.9	71.2	106.8
115	35.7	29.7	44.5



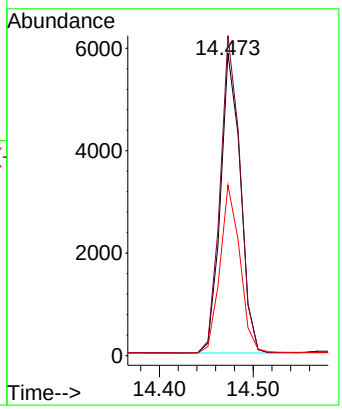


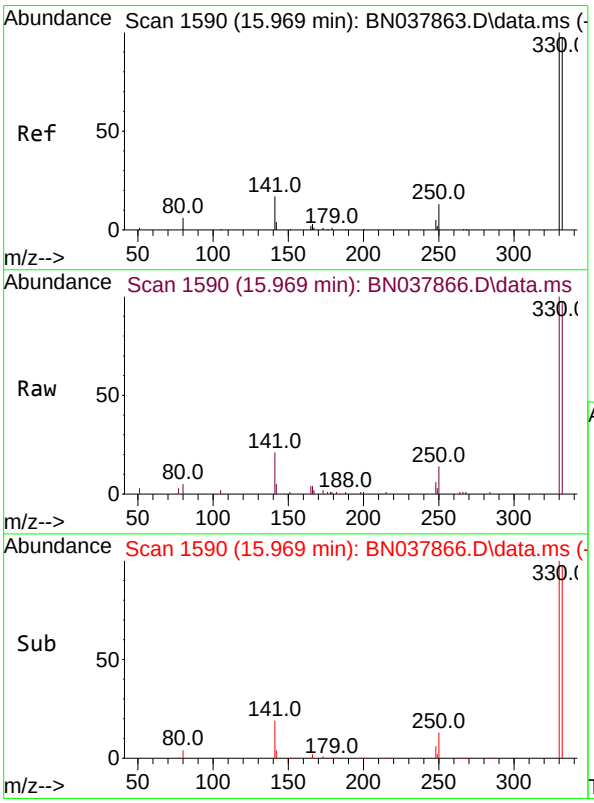
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.473 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN037866.D
Acq: 23 Sep 2025 15:15

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:164 Resp: 8623

Ion	Ratio	Lower	Upper
164	100		
162	105.8	84.8	127.2
160	56.4	46.1	69.1

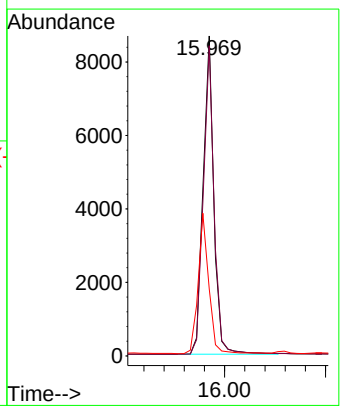


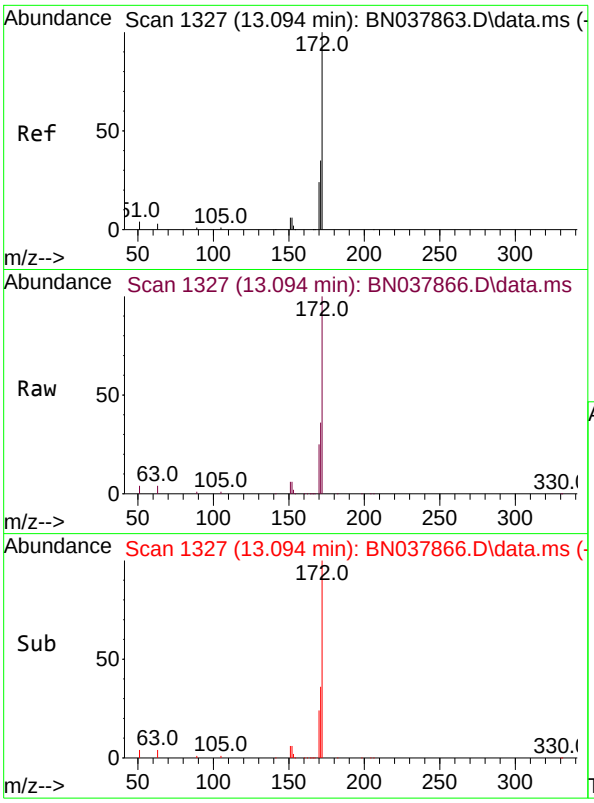


#14
2,4,6-Tribromophenol
Concen: 3.642 ng
RT: 15.969 min Scan# 1590
Delta R.T. -0.000 min
Lab File: BN037866.D
Acq: 23 Sep 2025 15:15

Tgt Ion:330 Resp: 12677

Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.2	115.8
141	44.0	37.2	55.8



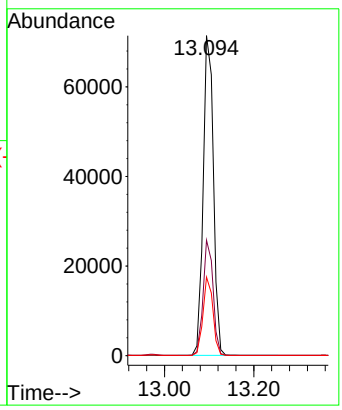


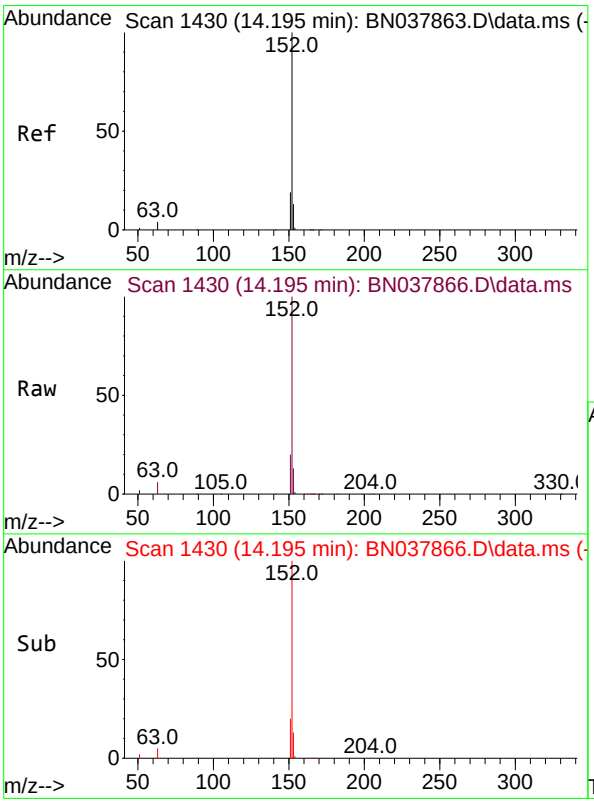
#15
2-Fluorobiphenyl
Concen: 3.223 ng
RT: 13.094 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037866.D
Acq: 23 Sep 2025 15:15

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:172 Resp: 113791

Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.6	43.0
170	24.6	19.7	29.5

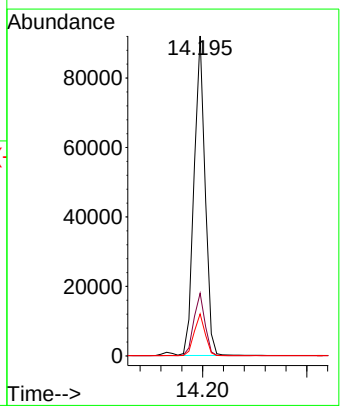


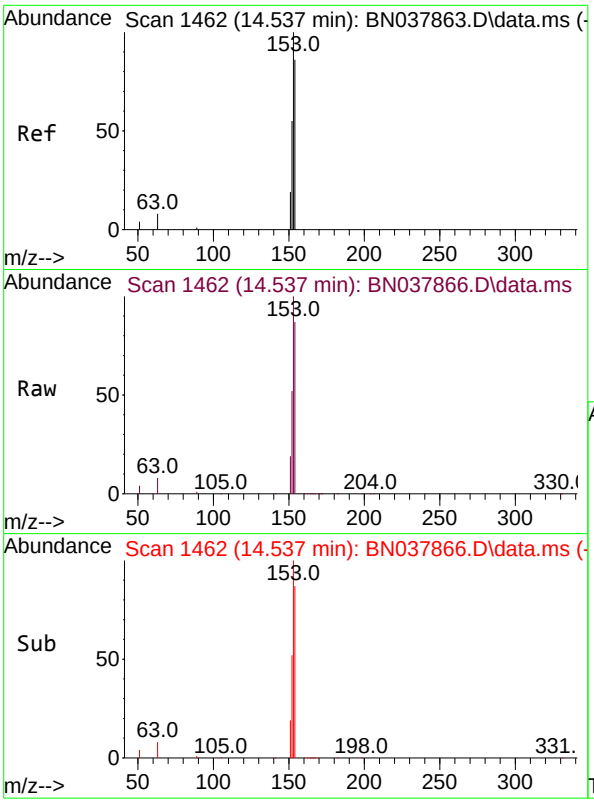


#16
Acenaphthylene
Concen: 3.437 ng
RT: 14.195 min Scan# 1430
Delta R.T. -0.000 min
Lab File: BN037866.D
Acq: 23 Sep 2025 15:15

Tgt Ion:152 Resp: 134565

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.8
153	13.0	10.5	15.7



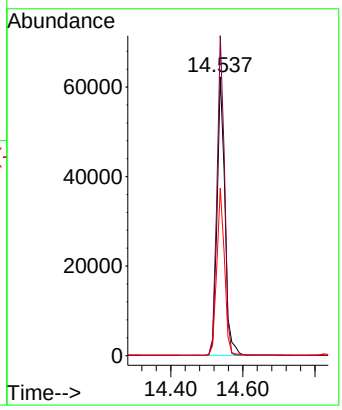


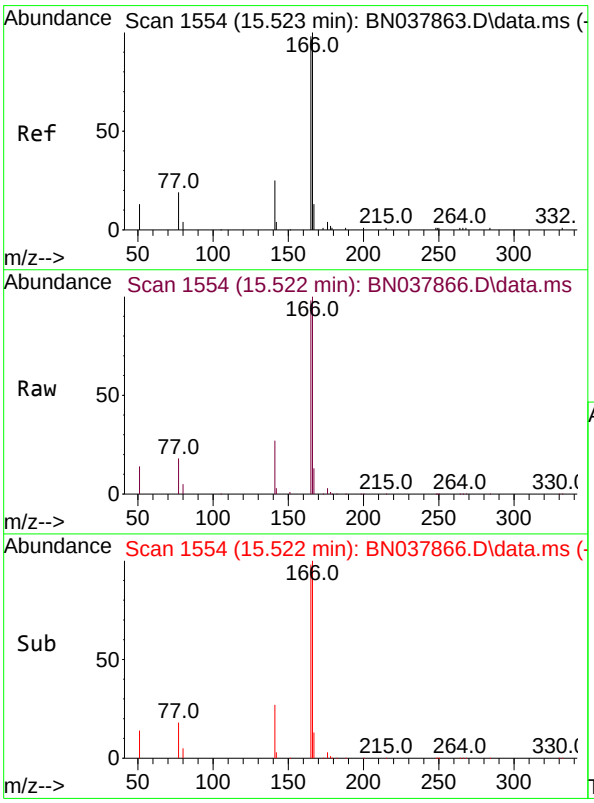
#17
Acenaphthene
Concen: 3.392 ng
RT: 14.537 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN037866.D
Acq: 23 Sep 2025 15:15

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:154 Resp: 94611

Ion	Ratio	Lower	Upper
154	100		
153	109.6	90.5	135.7
152	58.7	51.8	77.8

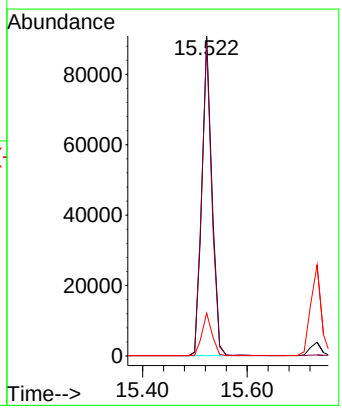


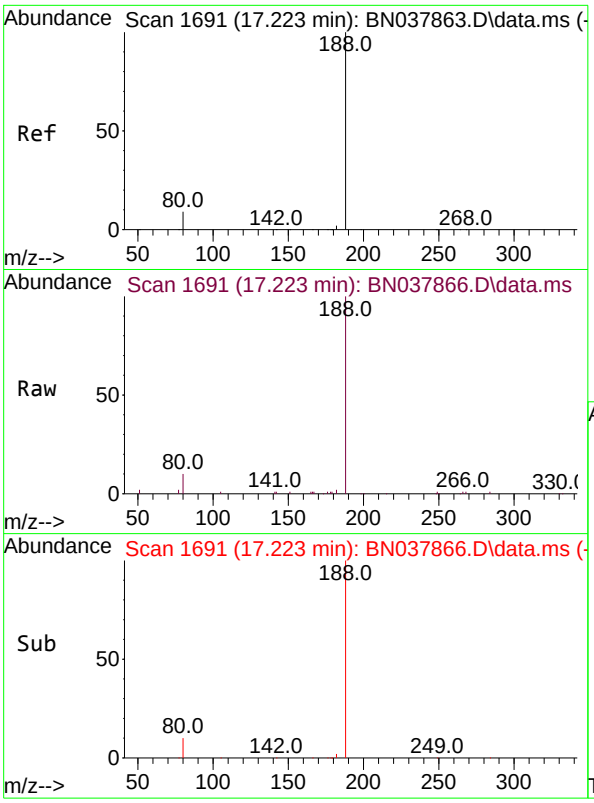


#18
Fluorene
Concen: 3.511 ng
RT: 15.522 min Scan# 1554
Delta R.T. -0.000 min
Lab File: BN037866.D
Acq: 23 Sep 2025 15:15

Tgt Ion:166 Resp: 118468

Ion	Ratio	Lower	Upper
166	100		
165	98.2	79.0	118.4
167	13.1	10.6	16.0



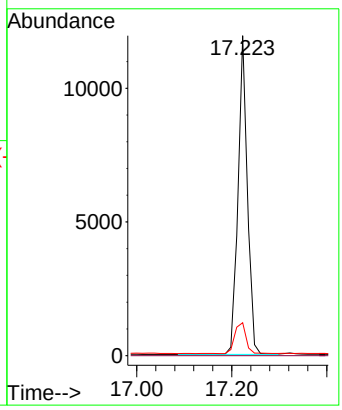


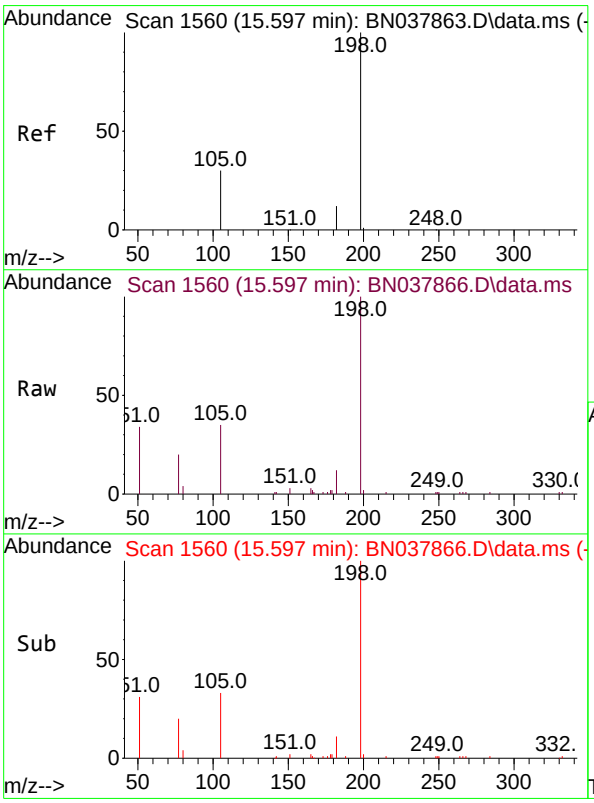
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.223 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN037866.D
Acq: 23 Sep 2025 15:15

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:188 Resp: 16225

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.3	7.6	11.4

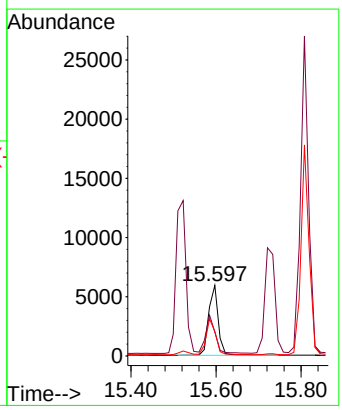


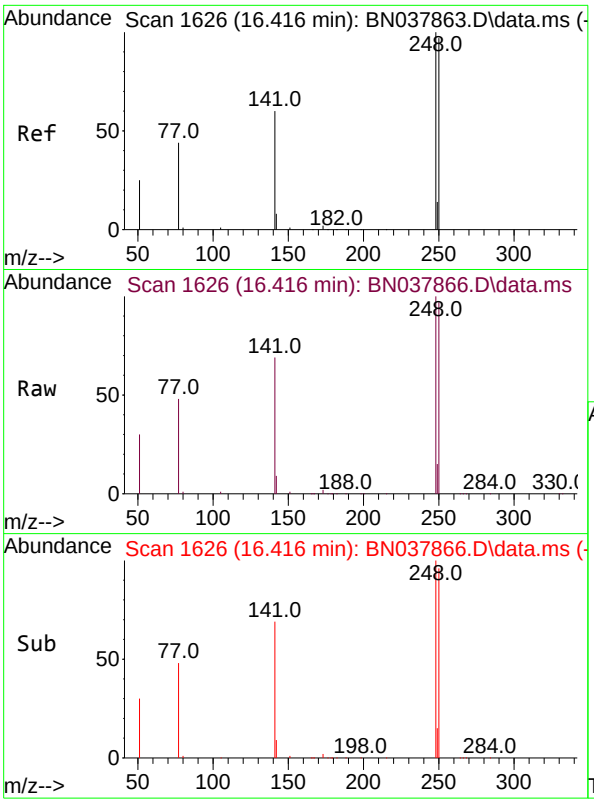


#20
4,6-Dinitro-2-methylphenol
Concen: 3.211 ng
RT: 15.597 min Scan# 1560
Delta R.T. -0.000 min
Lab File: BN037866.D
Acq: 23 Sep 2025 15:15

Tgt Ion:198 Resp: 9172

Ion	Ratio	Lower	Upper
198	100		
51	33.8	59.1	88.7#
105	34.5	41.3	61.9#



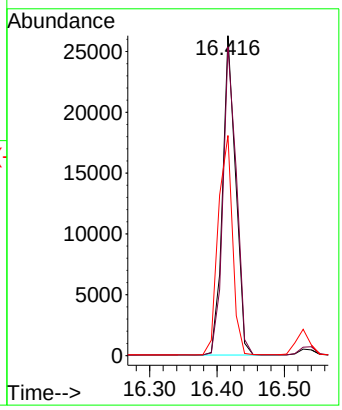


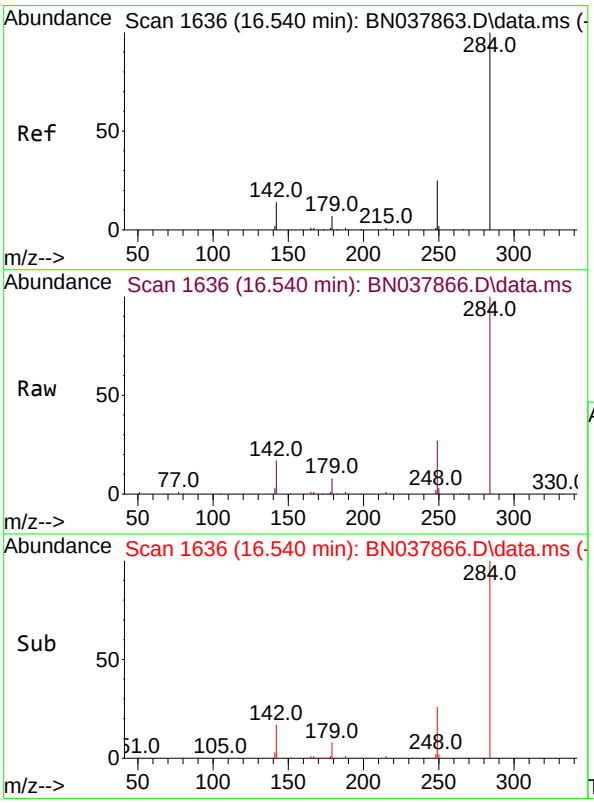
#21
4-Bromophenyl-phenylether
Concen: 3.370 ng
RT: 16.416 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037866.D
Acq: 23 Sep 2025 15:15

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:248 Resp: 35637

Ion	Ratio	Lower	Upper
248	100		
250	96.5	77.6	116.4
141	68.8	48.8	73.2

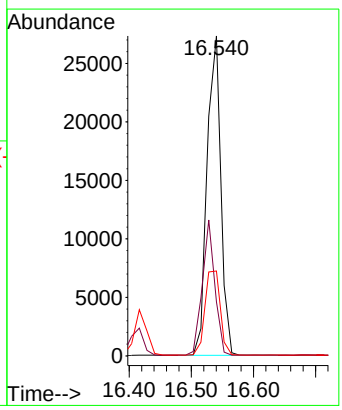


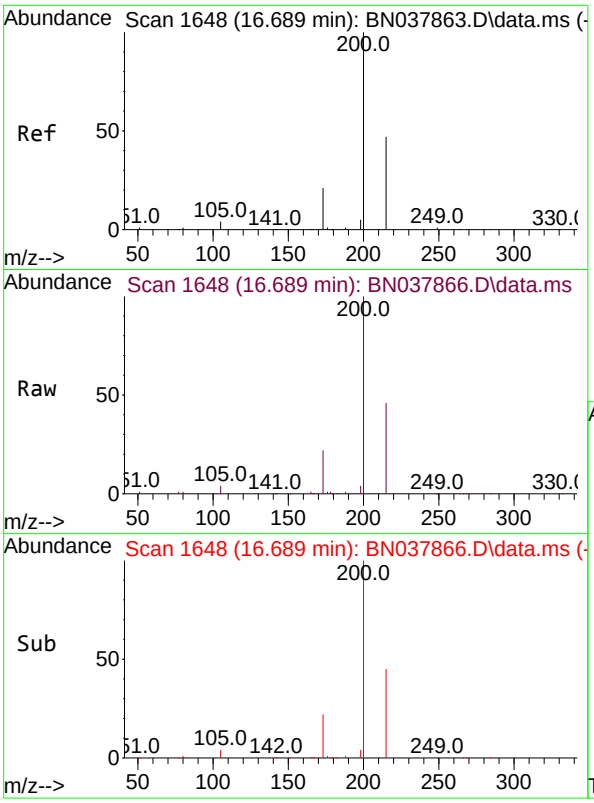


#22
Hexachlorobenzene
Concen: 3.269 ng
RT: 16.540 min Scan# 1636
Delta R.T. -0.000 min
Lab File: BN037866.D
Acq: 23 Sep 2025 15:15

Tgt Ion:284 Resp: 41902

Ion	Ratio	Lower	Upper
284	100		
142	38.5	30.9	46.3
249	29.5	23.9	35.9



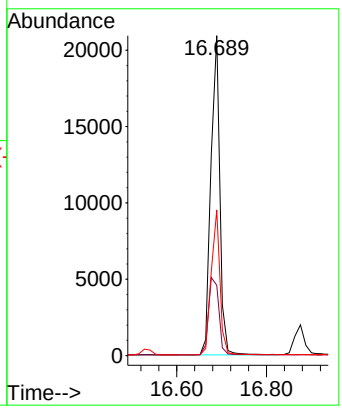


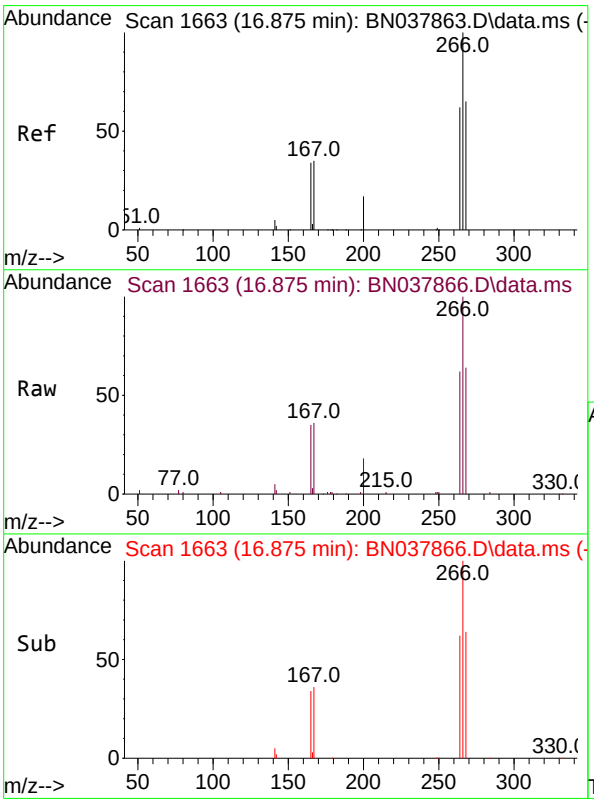
#23
Atrazine
Concen: 3.616 ng
RT: 16.689 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN037866.D
Acq: 23 Sep 2025 15:15

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:200 Resp: 29112

Ion	Ratio	Lower	Upper
200	100		
173	22.0	18.3	27.5
215	45.5	38.6	58.0

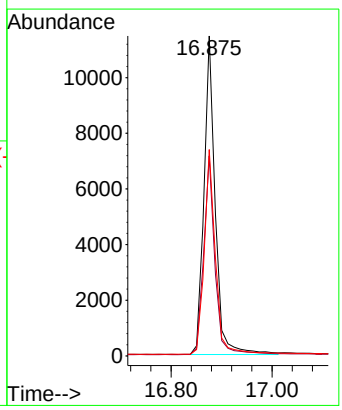


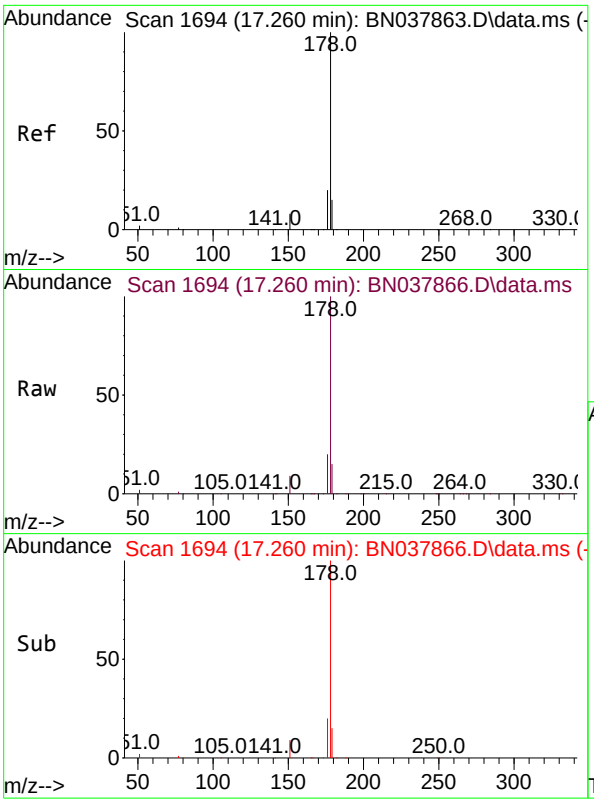


#24
Pentachlorophenol
Concen: 4.011 ng
RT: 16.875 min Scan# 1663
Delta R.T. 0.000 min
Lab File: BN037866.D
Acq: 23 Sep 2025 15:15

Tgt Ion:266 Resp: 17645

Ion	Ratio	Lower	Upper
266	100		
264	62.5	50.9	76.3
268	64.0	54.3	81.5



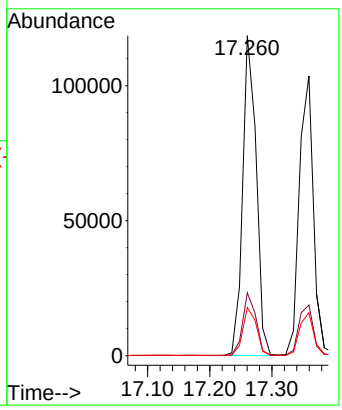


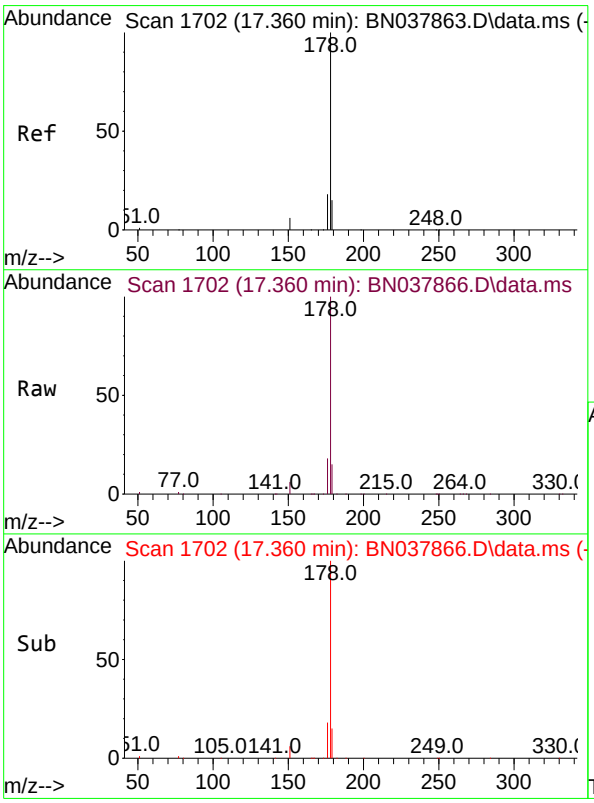
#25
Phenanthrene
Concen: 3.352 ng
RT: 17.260 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037866.D
Acq: 23 Sep 2025 15:15

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:178 Resp: 178985

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.7	23.5
179	15.1	12.3	18.5

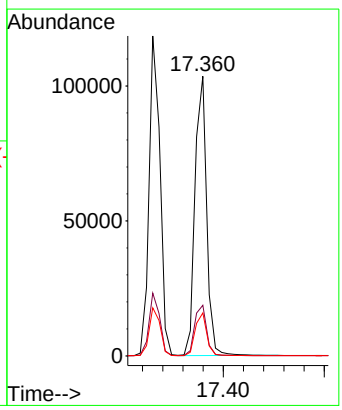


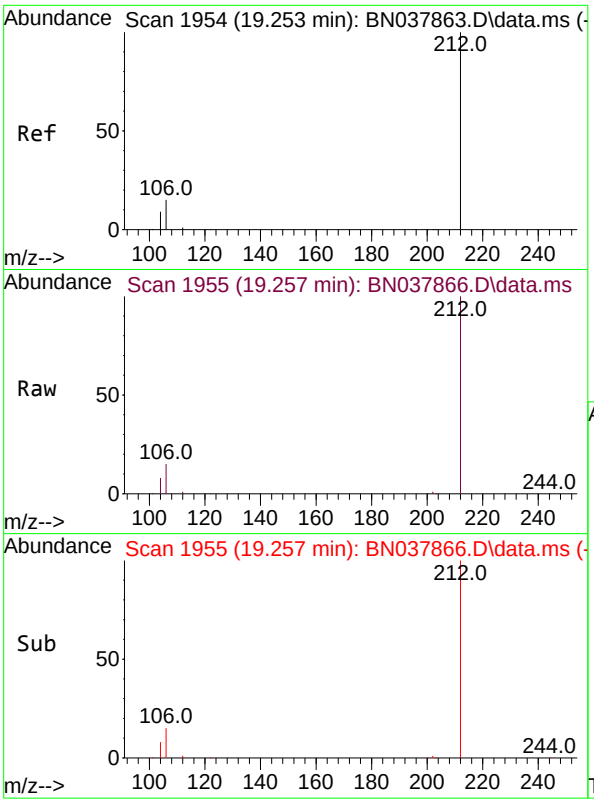


#26
Anthracene
Concen: 3.573 ng
RT: 17.360 min Scan# 1702
Delta R.T. -0.000 min
Lab File: BN037866.D
Acq: 23 Sep 2025 15:15

Tgt Ion:178 Resp: 165527

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.0	22.4
179	15.2	12.3	18.5



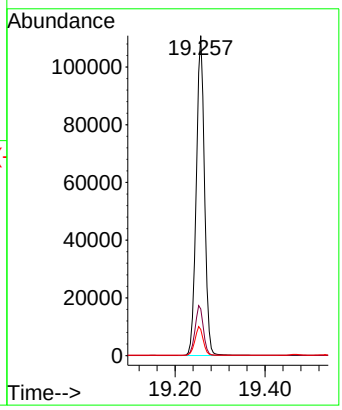


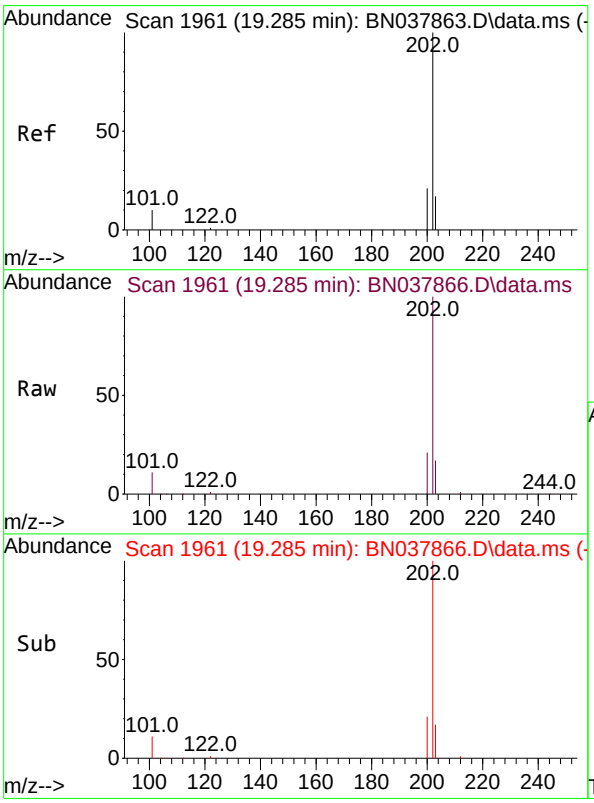
#27
Fluoranthene-d10
Concen: 3.451 ng
RT: 19.257 min Scan# 19
Delta R.T. 0.005 min
Lab File: BN037866.D
Acq: 23 Sep 2025 15:15

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:212 Resp: 140845

Ion	Ratio	Lower	Upper
212	100		
106	15.7	12.6	19.0
104	9.0	7.4	11.0

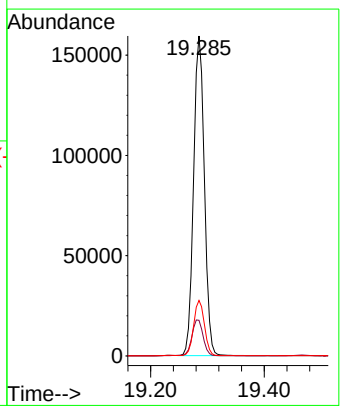


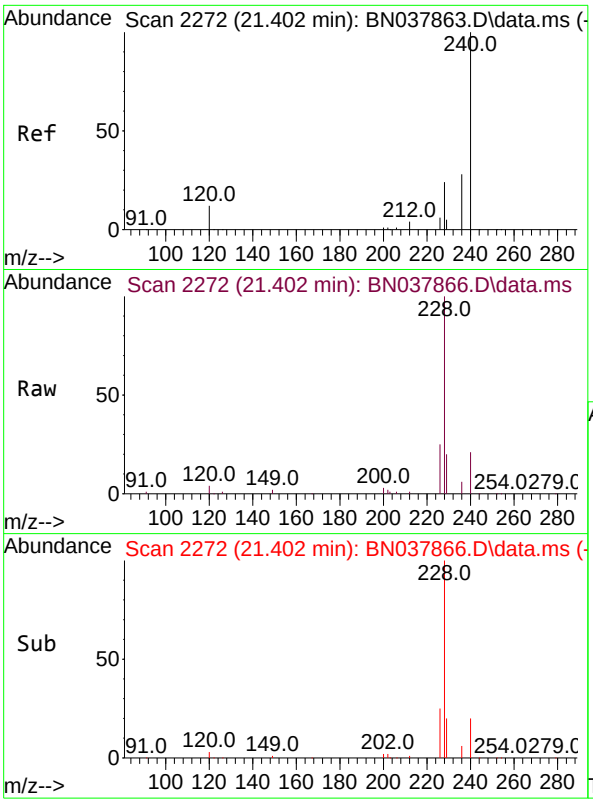


#28
Fluoranthene
Concen: 3.570 ng
RT: 19.285 min Scan# 1961
Delta R.T. -0.000 min
Lab File: BN037866.D
Acq: 23 Sep 2025 15:15

Tgt Ion:202 Resp: 209920

Ion	Ratio	Lower	Upper
202	100		
101	11.7	9.3	13.9
203	17.3	13.6	20.4



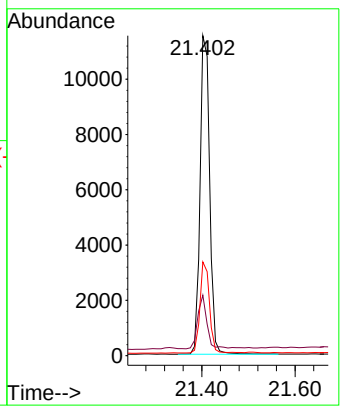


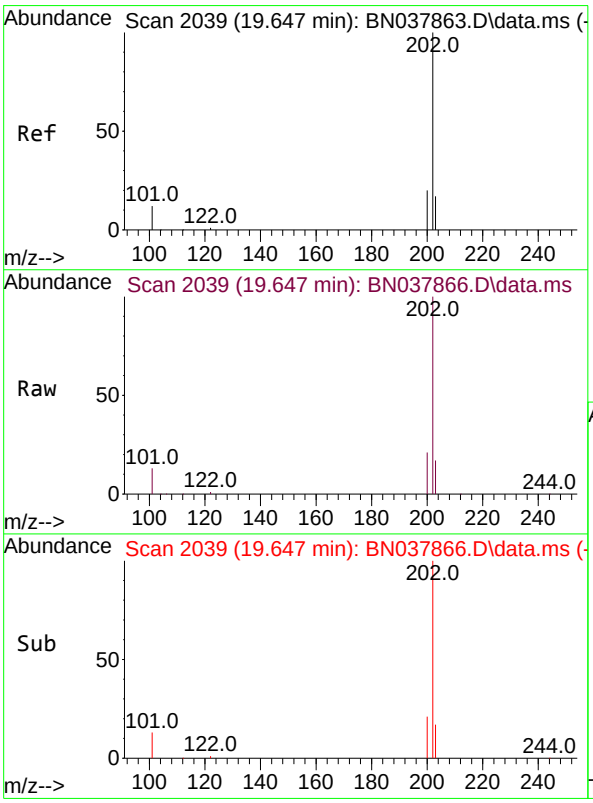
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.402 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN037866.D
Acq: 23 Sep 2025 15:15

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:240 Resp: 16309

Ion	Ratio	Lower	Upper
240	100		
120	18.9	11.4	17.2#
236	29.3	23.0	34.6

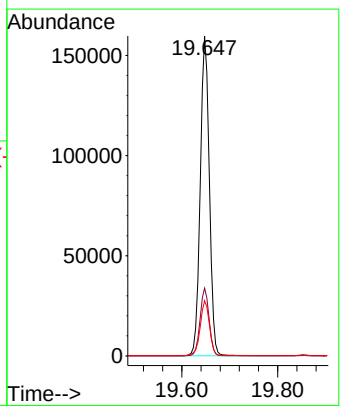


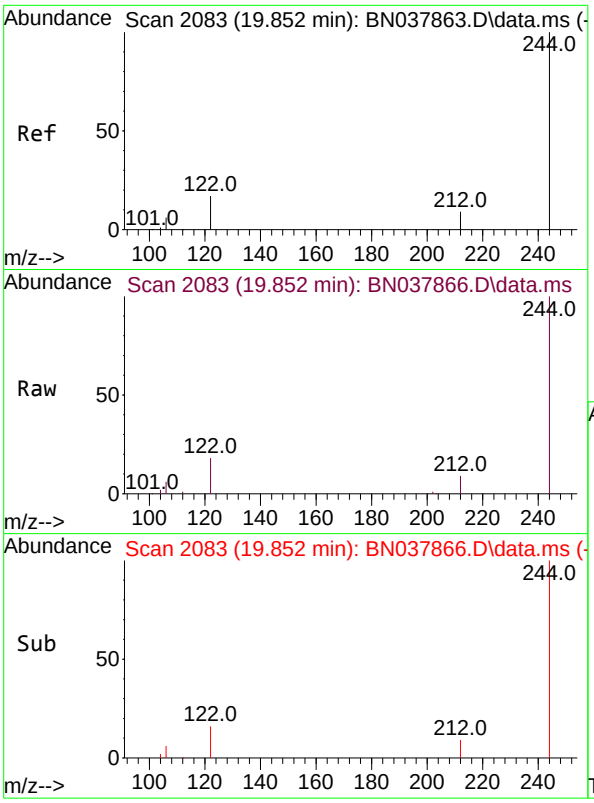


#30
Pyrene
Concen: 3.232 ng
RT: 19.647 min Scan# 2039
Delta R.T. -0.000 min
Lab File: BN037866.D
Acq: 23 Sep 2025 15:15

Tgt Ion:202 Resp: 208135

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.7	25.1
203	17.7	14.2	21.4



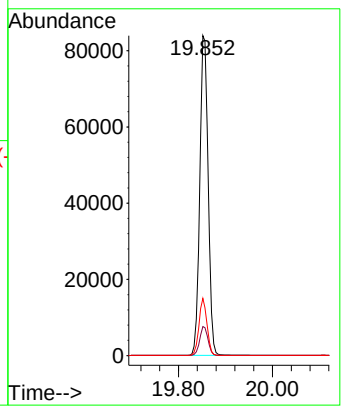


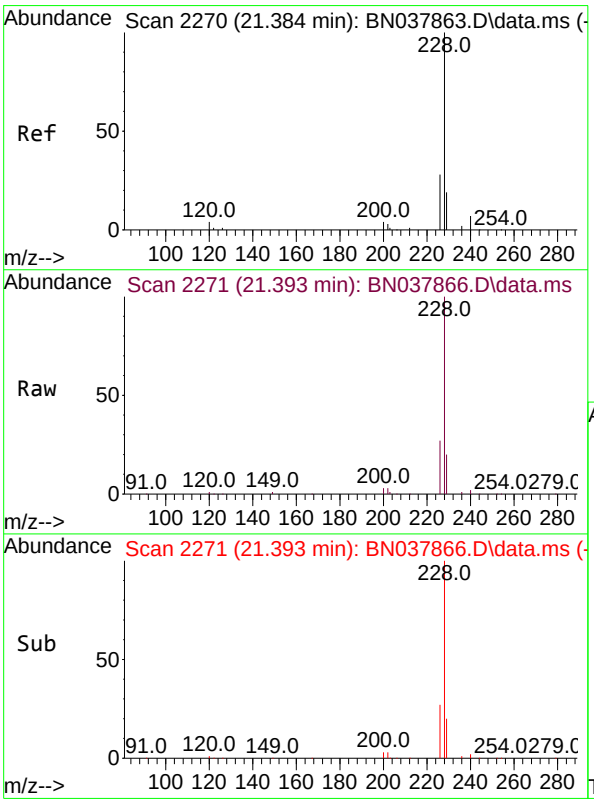
#31
Terphenyl-d14
Concen: 3.250 ng
RT: 19.852 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037866.D
Acq: 23 Sep 2025 15:15

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:244 Resp: 105582

Ion	Ratio	Lower	Upper
244	100		
212	9.1	7.6	11.4
122	17.9	13.9	20.9

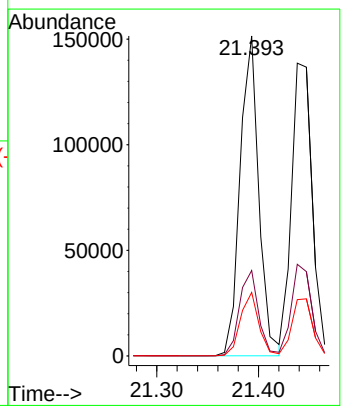


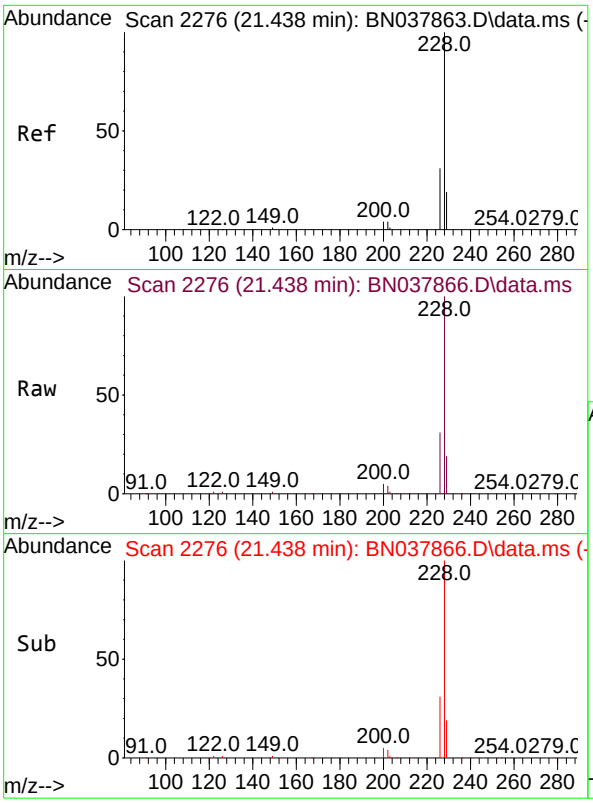


#32
Benzo(a)anthracene
Concen: 3.394 ng
RT: 21.393 min Scan# 2271
Delta R.T. 0.009 min
Lab File: BN037866.D
Acq: 23 Sep 2025 15:15

Tgt Ion:228 Resp: 193464

Ion	Ratio	Lower	Upper
228	100		
226	26.7	22.6	33.8
229	19.8	15.6	23.4



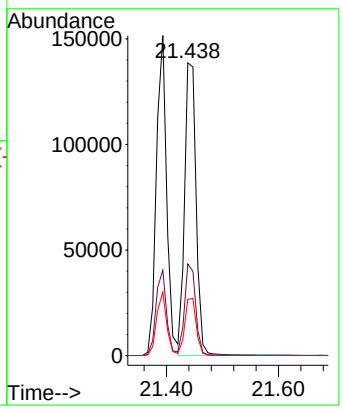


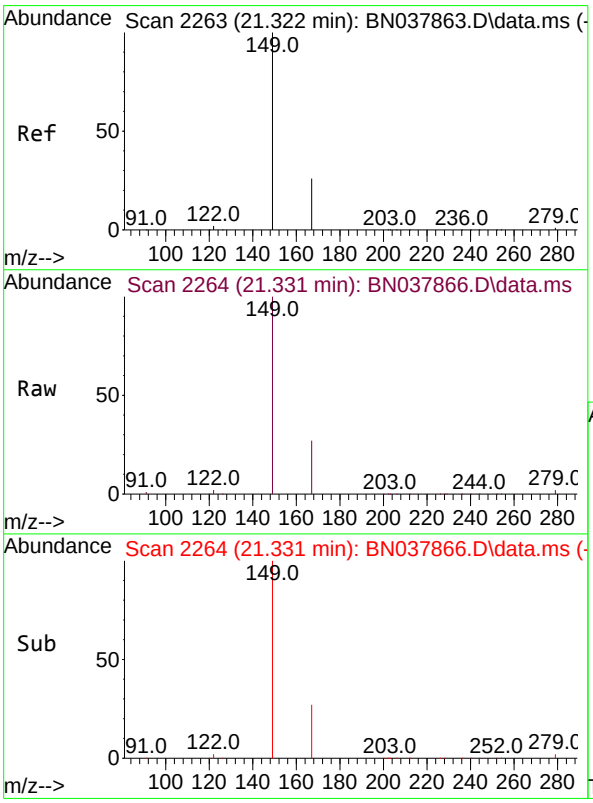
#33
Chrysene
Concen: 3.201 ng
RT: 21.438 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037866.D
Acq: 23 Sep 2025 15:15

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:228 Resp: 197283

Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.6	37.0
229	19.2	15.6	23.4

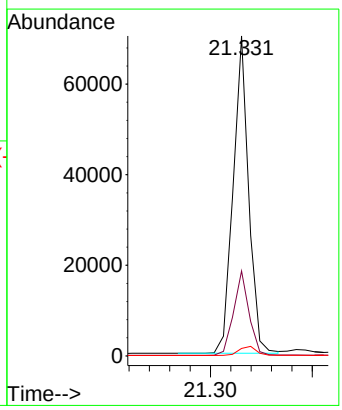


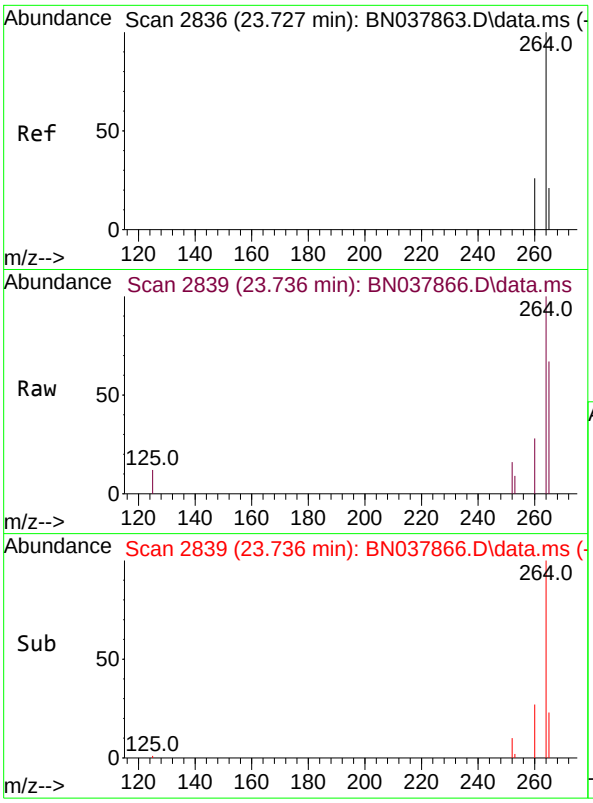


#34
Bis(2-ethylhexyl)phthalate
Concen: 3.291 ng
RT: 21.331 min Scan# 2264
Delta R.T. 0.009 min
Lab File: BN037866.D
Acq: 23 Sep 2025 15:15

Tgt Ion:149 Resp: 74195

Ion	Ratio	Lower	Upper
149	100		
167	26.4	20.4	30.6
279	3.2	2.4	3.6



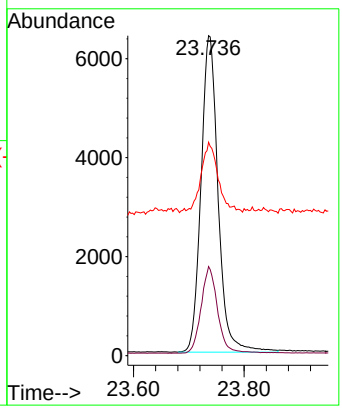


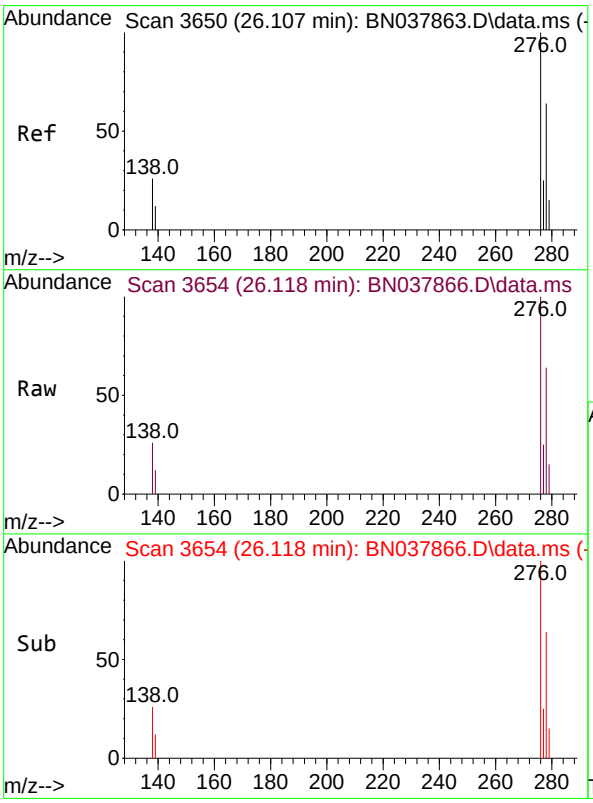
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.736 min Scan# 28
Delta R.T. 0.009 min
Lab File: BN037866.D
Acq: 23 Sep 2025 15:15

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:264 Resp: 13684

Ion	Ratio	Lower	Upper
264	100		
260	27.8	21.5	32.3
265	66.7	53.8	80.6

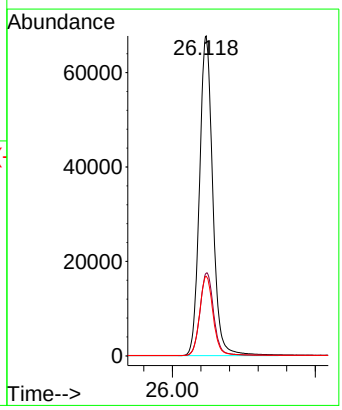


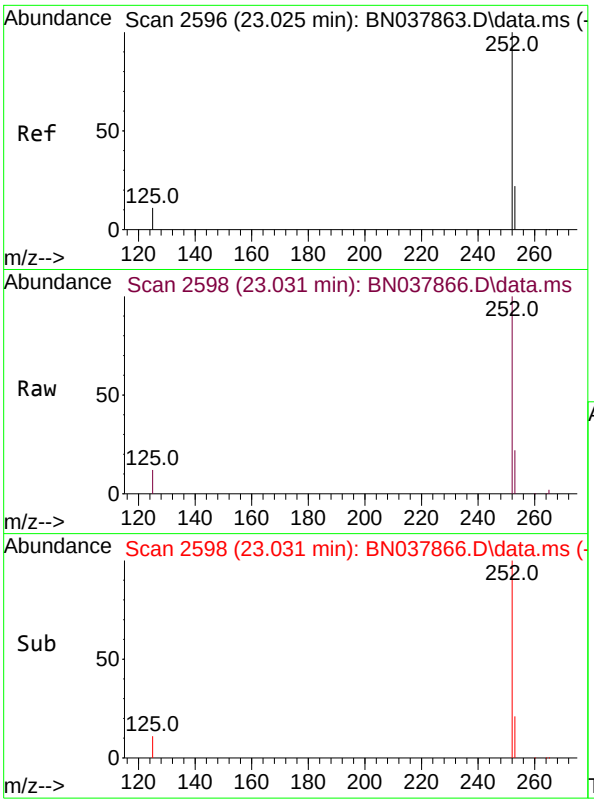


#36
Indeno(1,2,3-cd)pyrene
Concen: 3.494 ng
RT: 26.118 min Scan# 3654
Delta R.T. 0.012 min
Lab File: BN037866.D
Acq: 23 Sep 2025 15:15

Tgt Ion:276 Resp: 218487

Ion	Ratio	Lower	Upper
276	100		
138	26.7	21.4	32.0
277	25.1	20.3	30.5



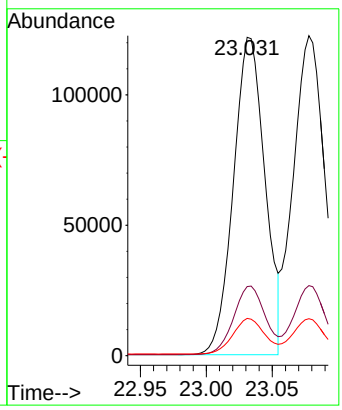


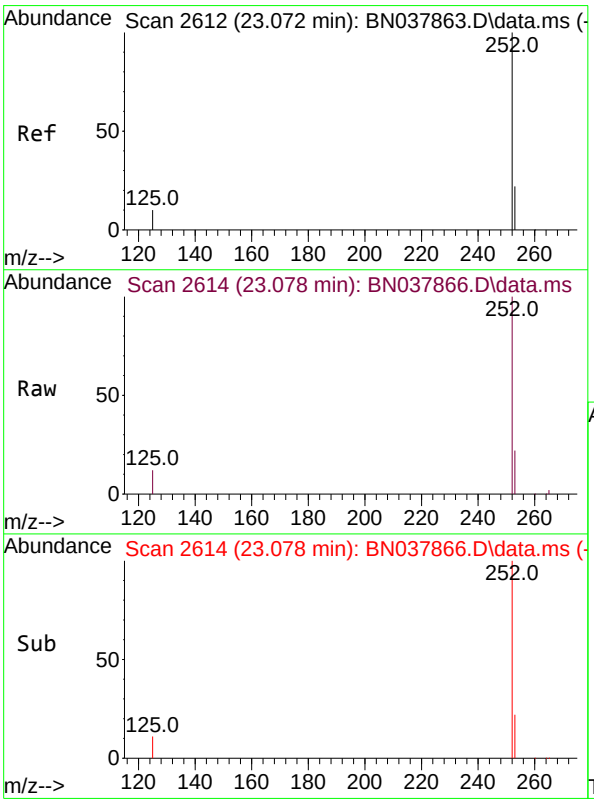
#37
Benzo(b)fluoranthene
Concen: 3.428 ng
RT: 23.031 min Scan# 2
Delta R.T. 0.006 min
Lab File: BN037866.D
Acq: 23 Sep 2025 15:15

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:252 Resp: 202282

Ion	Ratio	Lower	Upper
252	100		
253	21.7	19.4	29.0
125	11.7	13.0	19.4#

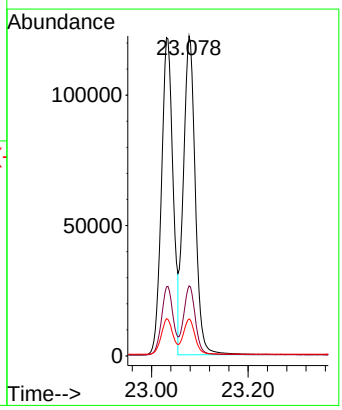


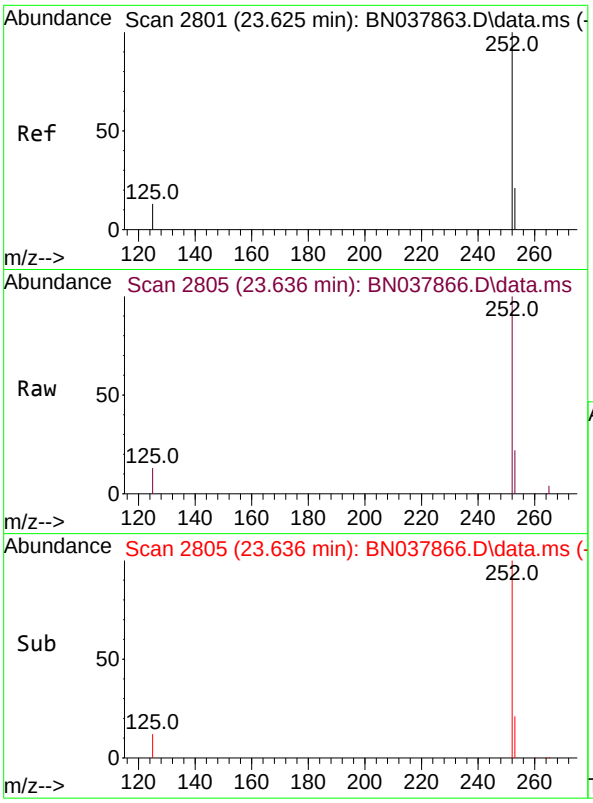


#38
Benzo(k)fluoranthene
Concen: 3.534 ng
RT: 23.078 min Scan# 2614
Delta R.T. 0.006 min
Lab File: BN037866.D
Acq: 23 Sep 2025 15:15

Tgt Ion:252 Resp: 209819

Ion	Ratio	Lower	Upper
252	100		
253	21.9	19.5	29.3
125	11.5	13.0	19.4#



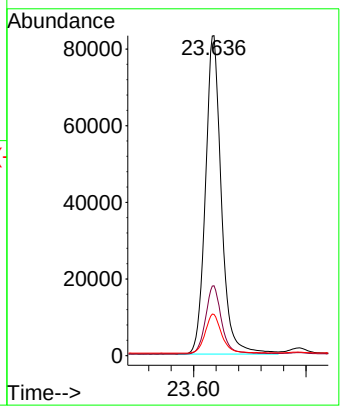


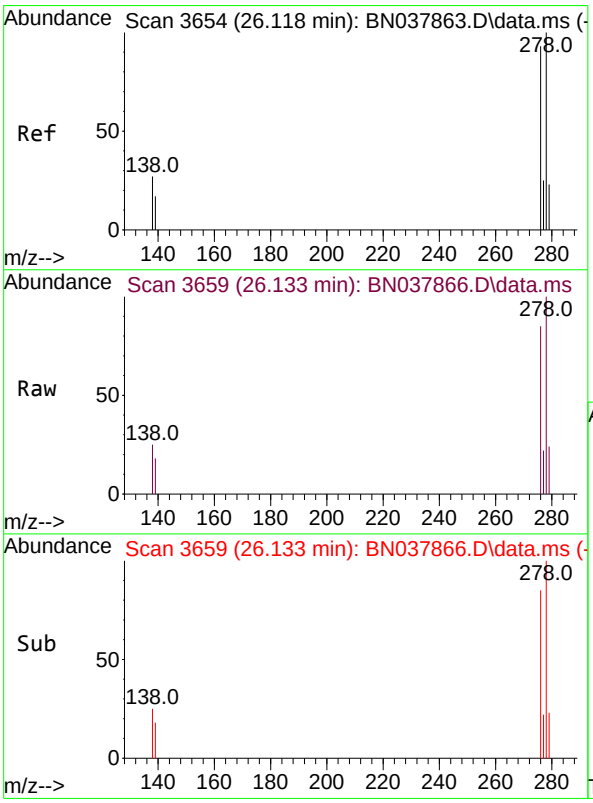
#39
Benzo(a)pyrene
Concen: 3.499 ng
RT: 23.636 min Scan# 28
Delta R.T. 0.012 min
Lab File: BN037866.D
Acq: 23 Sep 2025 15:15

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:252 Resp: 163321

Ion	Ratio	Lower	Upper
252	100		
253	21.8	20.6	30.8
125	12.9	16.7	25.1#

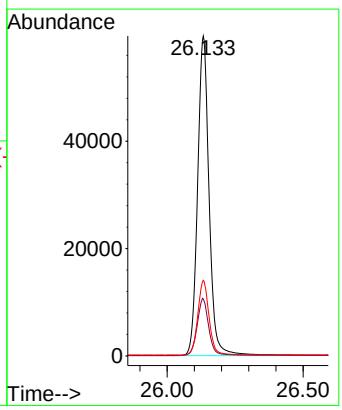


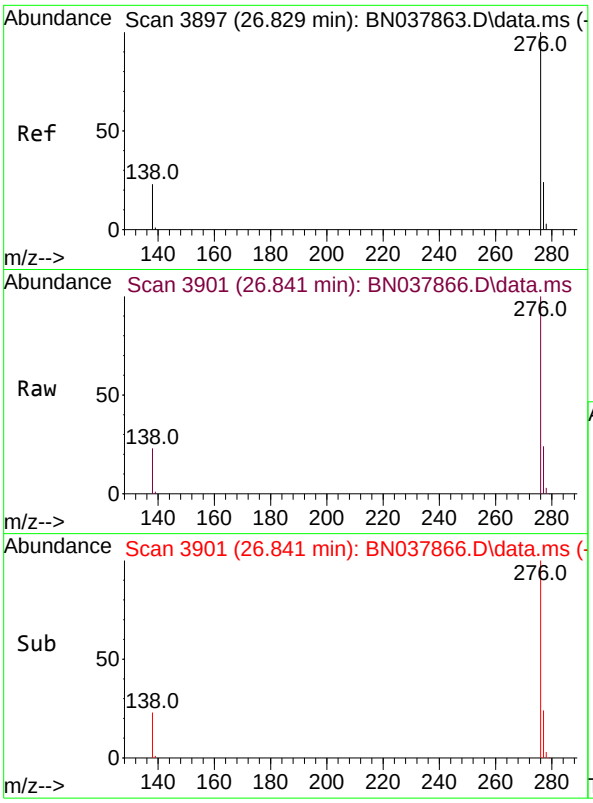


#40
Dibenzo(a,h)anthracene
Concen: 3.558 ng
RT: 26.133 min Scan# 3659
Delta R.T. 0.015 min
Lab File: BN037866.D
Acq: 23 Sep 2025 15:15

Tgt Ion:278 Resp: 173724

Ion	Ratio	Lower	Upper
278	100		
139	17.8	15.4	23.2
279	23.6	20.8	31.2



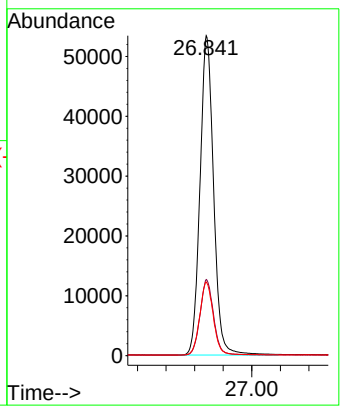


#41
Benzo(g,h,i)perylene
Concen: 3.443 ng
RT: 26.841 min Scan# 3
Delta R.T. 0.012 min
Lab File: BN037866.D
Acq: 23 Sep 2025 15:15

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:276 Resp: 176617

Ion	Ratio	Lower	Upper
276	100		
277	23.8	20.2	30.4
138	23.0	19.8	29.8



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092325\
Data File : BN037867.D
Acq On : 23 Sep 2025 15:51
Operator : RC/JU
Sample : SSTDICC5.0
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Quant Time: Sep 23 16:23:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 23 16:17:53 2025
Response via : Initial Calibration

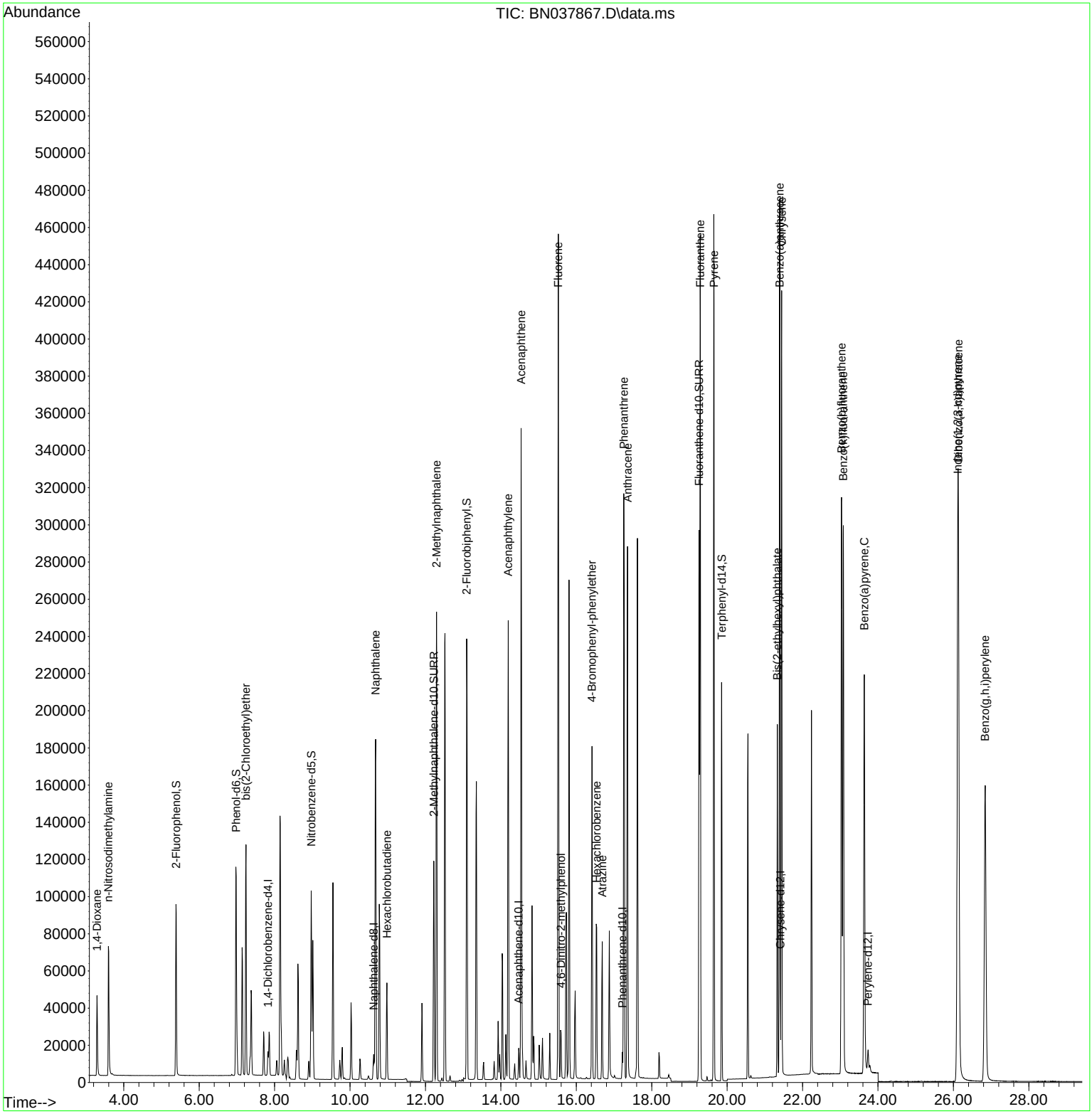
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.825	152	6080	0.400	ng		0.00
7) Naphthalene-d8	10.626	136	17301	0.400	ng		0.00
13) Acenaphthene-d10	14.473	164	9570	0.400	ng		0.00
19) Phenanthrene-d10	17.223	188	17948	0.400	ng		0.00
29) Chrysene-d12	21.411	240	18531	0.400	ng	#	0.00
35) Perylene-d12	23.736	264	15649	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.392	112	75850	5.467	ng		0.00
5) Phenol-d6	6.980	99	102802	5.639	ng		0.00
8) Nitrobenzene-d5	8.971	82	73146	5.543	ng		0.00
11) 2-Methylnaphthalene-d10	12.222	152	154332	6.422	ng		0.00
14) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng		
15) 2-Fluorobiphenyl	13.094	172	210748	5.379	ng		0.00
27) Fluoranthene-d10	19.257	212	307332	6.807	ng		0.00
31) Terphenyl-d14	19.856	244	206917	5.606	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.290	88	28576	4.630	ng		98
3) n-Nitrosodimethylamine	3.593	42	41574	5.063	ng	#	92
6) bis(2-Chloroethyl)ether	7.240	93	86881	5.134	ng		99
9) Naphthalene	10.680	128	250883	5.264	ng		98
10) Hexachlorobutadiene	10.979	225	40670	5.003	ng	#	100
12) 2-Methylnaphthalene	12.293	142	173335	5.567	ng		99
16) Acenaphthylene	14.195	152	250496	5.765	ng		100
17) Acenaphthene	14.537	154	171955	5.554	ng		94
18) Fluorene	15.522	166	209070	5.583	ng		97
20) 4,6-Dinitro-2-methylph...	15.597	198	18771	4.997	ng	#	59
21) 4-Bromophenyl-phenylether	16.416	248	65230	5.577	ng		92
22) Hexachlorobenzene	16.540	284	74475	5.252	ng		99
23) Atrazine	16.689	200	55972	6.284	ng		96
25) Phenanthrene	17.260	178	325691	5.514	ng		99
26) Anthracene	17.359	178	305295	5.958	ng		100
28) Fluoranthene	19.285	202	384292	5.908	ng		99
30) Pyrene	19.647	202	388849	5.315	ng		100
32) Benzo(a)anthracene	21.393	228	362927	5.604	ng		98
33) Chrysene	21.447	228	363421	5.189	ng		99
34) Bis(2-ethylhexyl)phtha...	21.331	149	156492	6.109	ng		98
36) Indeno(1,2,3-cd)pyrene	26.115	276	422337	5.906	ng		99
37) Benzo(b)fluoranthene	23.034	252	387512	5.742	ng	#	93
38) Benzo(k)fluoranthene	23.081	252	376732	5.548	ng	#	92
39) Benzo(a)pyrene	23.636	252	314913	5.900	ng	#	88
40) Dibenzo(a,h)anthracene	26.133	278	333427	5.971	ng		96
41) Benzo(g,h,i)perylene	26.840	276	346868	5.913	ng		96

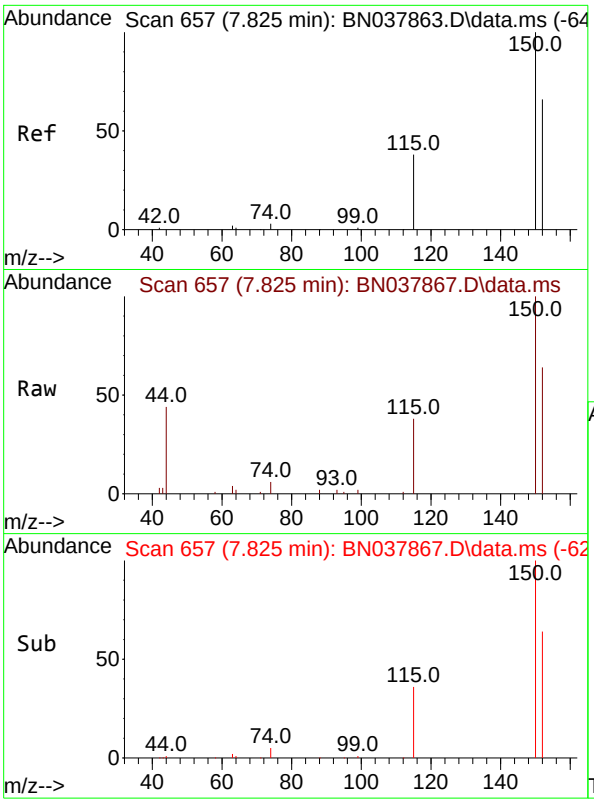
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092325\
Data File : BN037867.D
Acq On : 23 Sep 2025 15:51
Operator : RC/JU
Sample : SSTDICC5.0
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Quant Time: Sep 23 16:23:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 23 16:17:53 2025
Response via : Initial Calibration



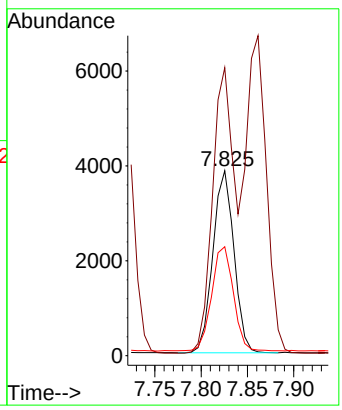


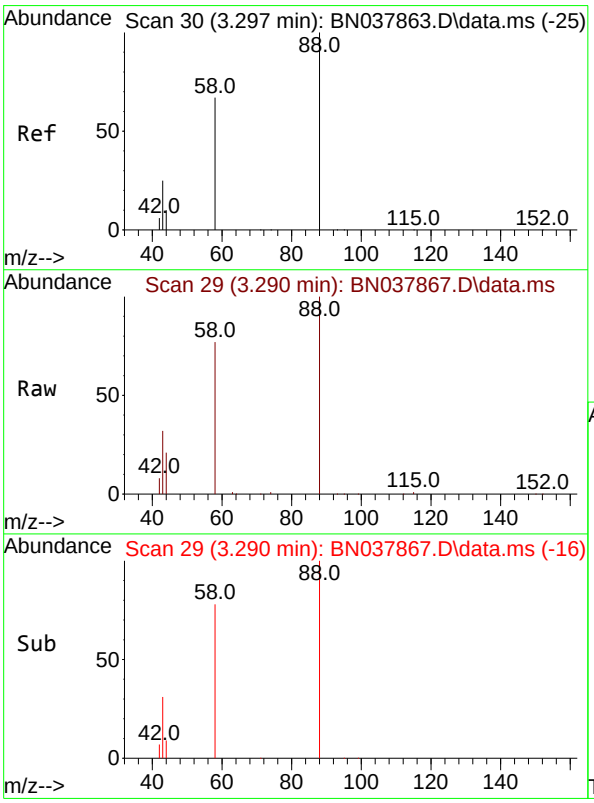
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.825 min Scan# 6
Delta R.T. 0.000 min
Lab File: BN037867.D
Acq: 23 Sep 2025 15:51

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:152 Resp: 6080

Ion	Ratio	Lower	Upper
152	100		
150	155.7	121.0	181.4
115	58.9	47.4	71.0

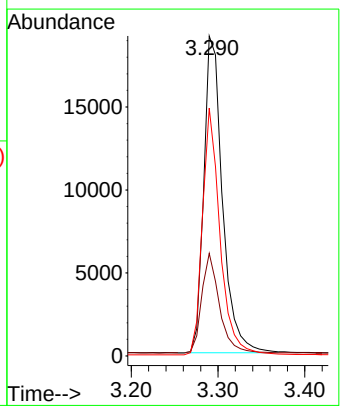


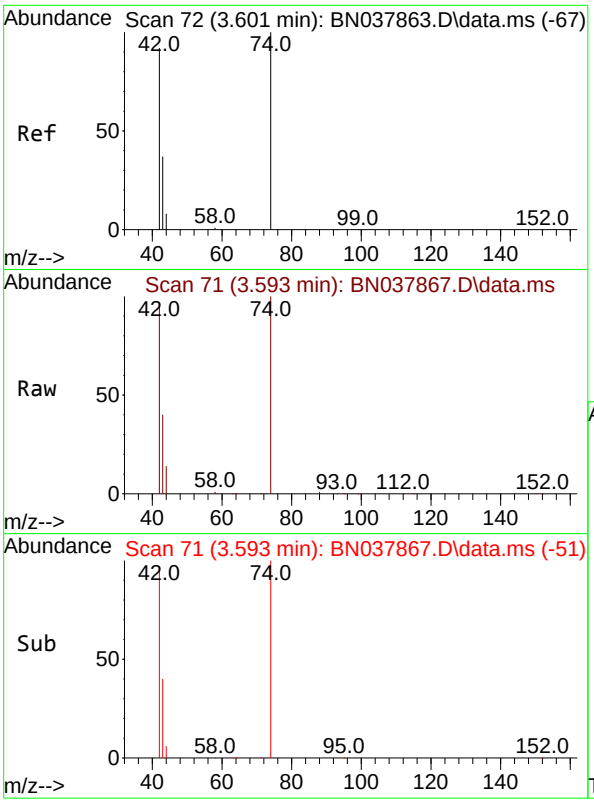


#2
1,4-Dioxane
Concen: 4.630 ng
RT: 3.290 min Scan# 29
Delta R.T. -0.007 min
Lab File: BN037867.D
Acq: 23 Sep 2025 15:51

Tgt Ion: 88 Resp: 28576

Ion	Ratio	Lower	Upper
88	100		
43	29.8	26.6	39.8
58	73.3	58.9	88.3



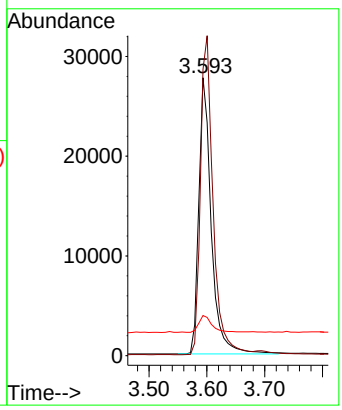


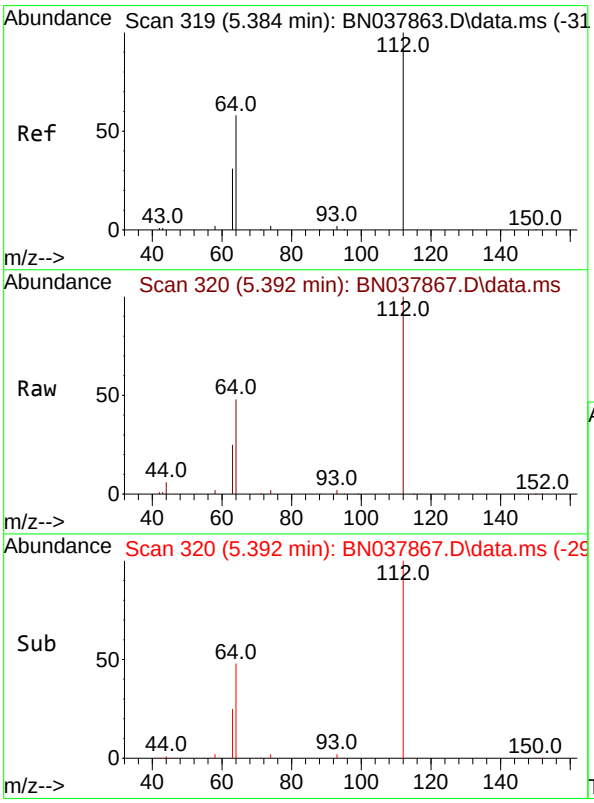
#3
n-Nitrosodimethylamine
Concen: 5.063 ng
RT: 3.593 min Scan# 7
Delta R.T. -0.007 min
Lab File: BN037867.D
Acq: 23 Sep 2025 15:51

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion: 42 Resp: 41574

Ion	Ratio	Lower	Upper
42	100		
74	117.0	93.4	140.0
44	6.5	22.2	33.4#

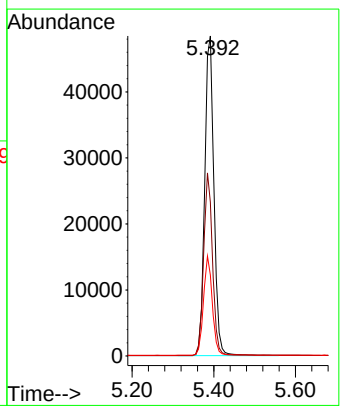


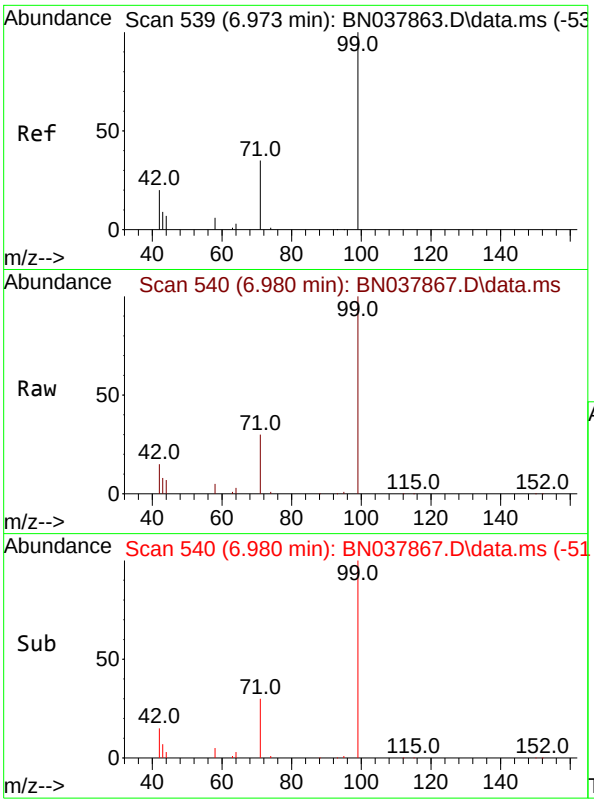


#4
2-Fluorophenol
Concen: 5.467 ng
RT: 5.392 min Scan# 320
Delta R.T. 0.007 min
Lab File: BN037867.D
Acq: 23 Sep 2025 15:51

Tgt Ion:112 Resp: 75850

Ion	Ratio	Lower	Upper
112	100		
64	55.3	44.6	66.8
63	29.7	24.9	37.3



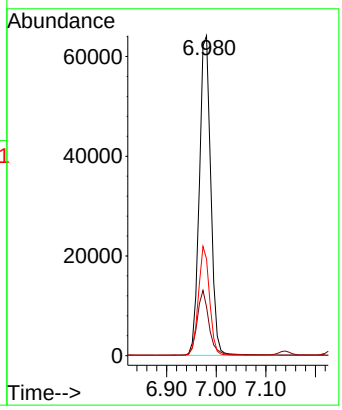


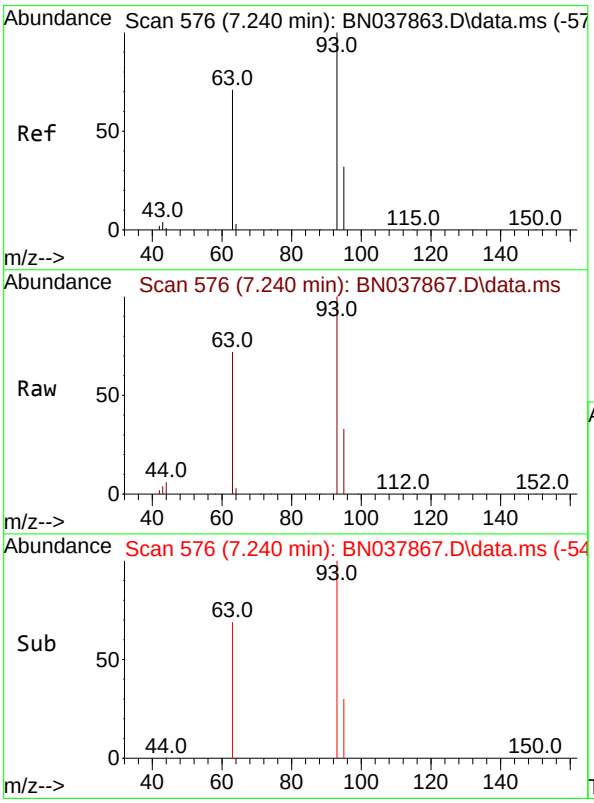
#5
Phenol-d6
Concen: 5.639 ng
RT: 6.980 min Scan# 54
Delta R.T. 0.007 min
Lab File: BN037867.D
Acq: 23 Sep 2025 15:51

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion: 99 Resp: 102802

Ion	Ratio	Lower	Upper
99	100		
42	20.6	17.2	25.8
71	33.3	27.3	40.9

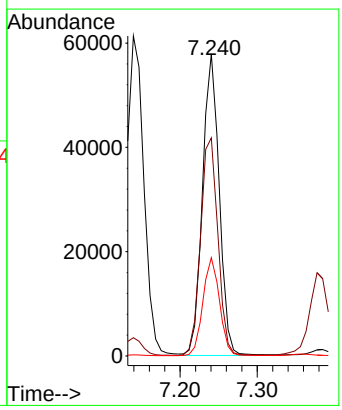


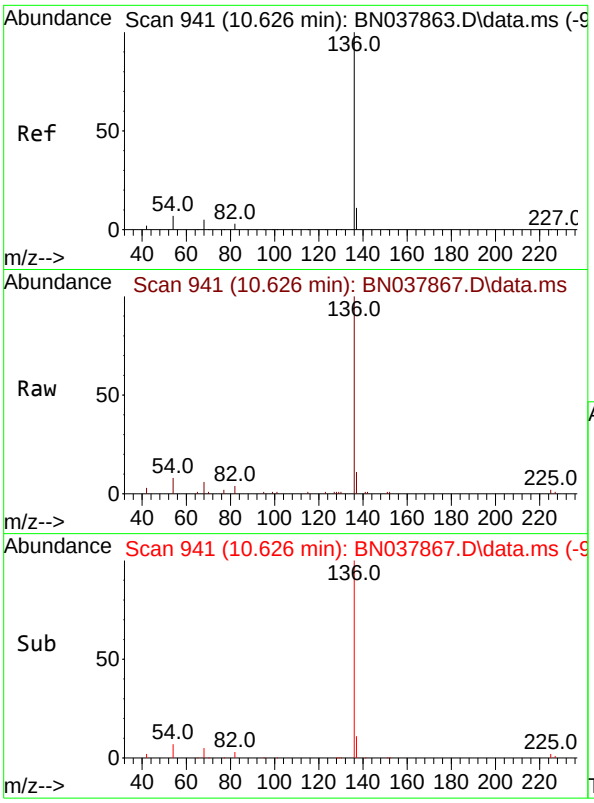


#6
bis(2-Chloroethyl)ether
Concen: 5.134 ng
RT: 7.240 min Scan# 576
Delta R.T. -0.000 min
Lab File: BN037867.D
Acq: 23 Sep 2025 15:51

Tgt Ion: 93 Resp: 86881

Ion	Ratio	Lower	Upper
93	100		
63	74.6	60.1	90.1
95	32.2	25.4	38.2



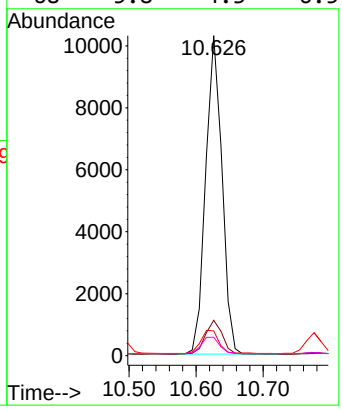


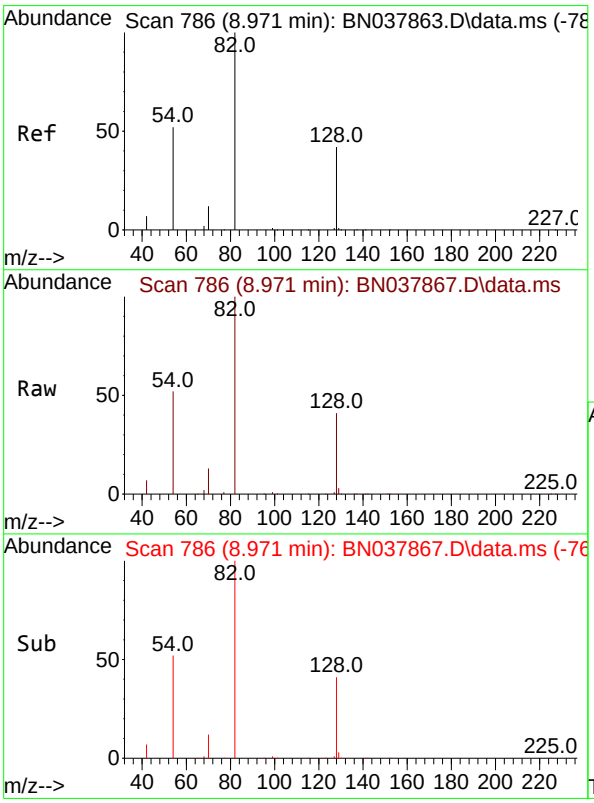
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.626 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN037867.D
Acq: 23 Sep 2025 15:51

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:136 Resp: 17301

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	7.8	5.8	8.8
68	5.8	4.3	6.5

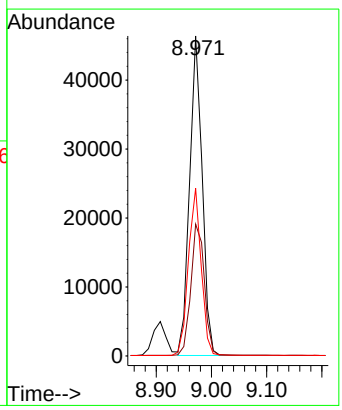


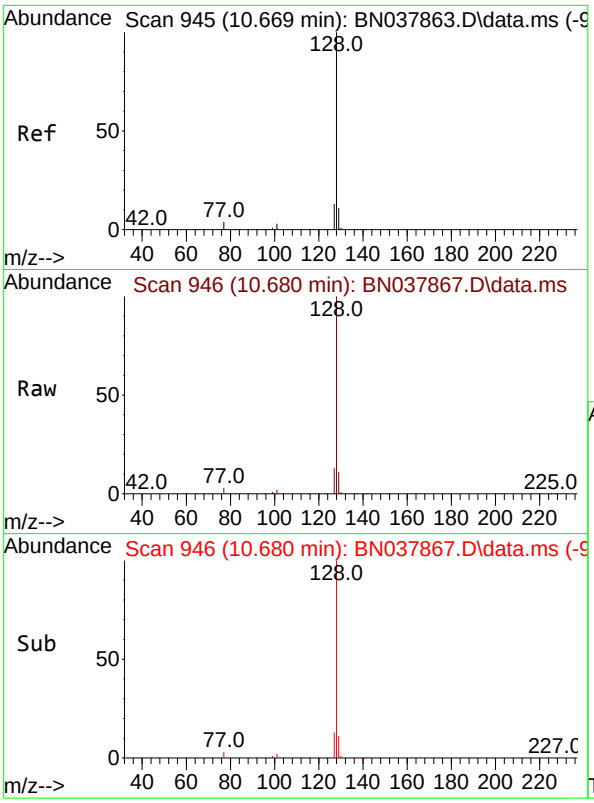


#8
Nitrobenzene-d5
Concen: 5.543 ng
RT: 8.971 min Scan# 786
Delta R.T. -0.000 min
Lab File: BN037867.D
Acq: 23 Sep 2025 15:51

Tgt Ion: 82 Resp: 73146

Ion	Ratio	Lower	Upper
82	100		
128	41.2	34.8	52.2
54	52.4	42.2	63.2



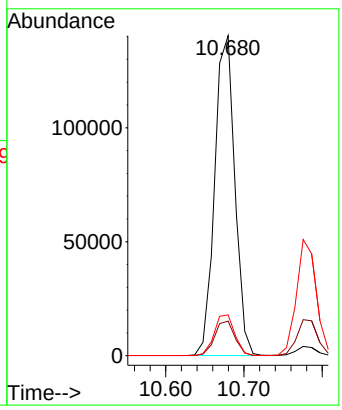


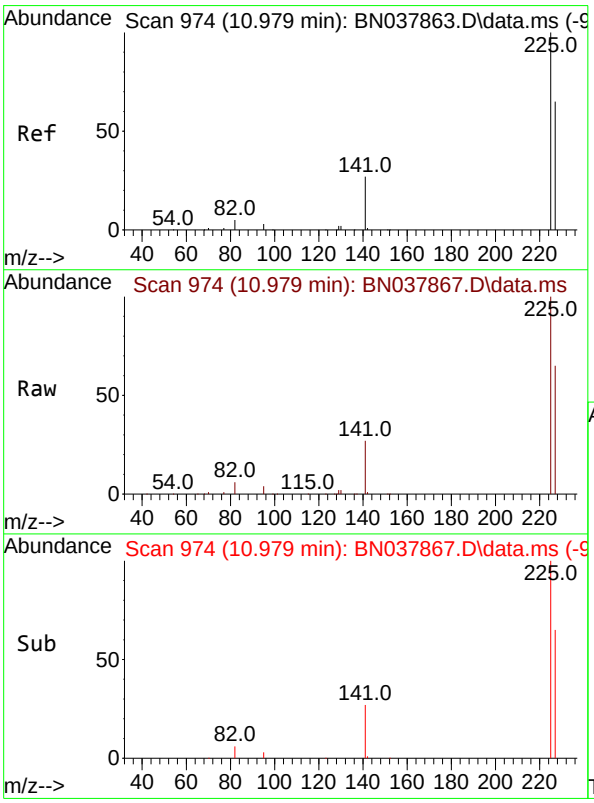
#9
Naphthalene
Concen: 5.264 ng
RT: 10.680 min Scan# 94
Delta R.T. 0.011 min
Lab File: BN037867.D
Acq: 23 Sep 2025 15:51

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:128 Resp: 250883

Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.2	13.8
127	12.8	11.0	16.6

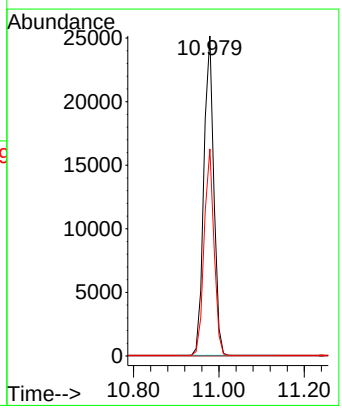


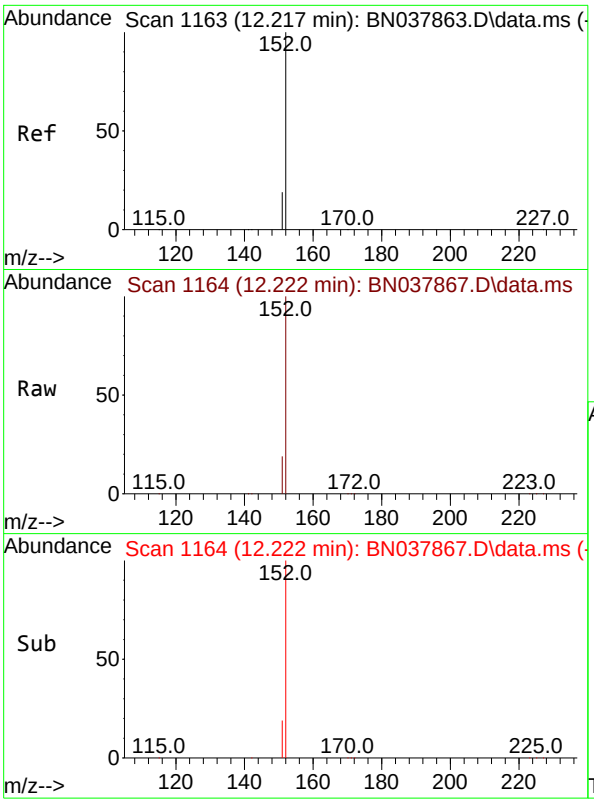


#10
Hexachlorobutadiene
Concen: 5.003 ng
RT: 10.979 min Scan# 974
Delta R.T. -0.000 min
Lab File: BN037867.D
Acq: 23 Sep 2025 15:51

Tgt Ion:225 Resp: 40670

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.0	51.4	77.2



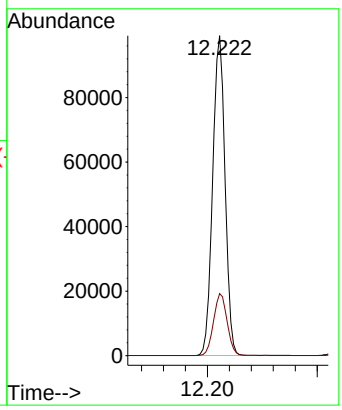


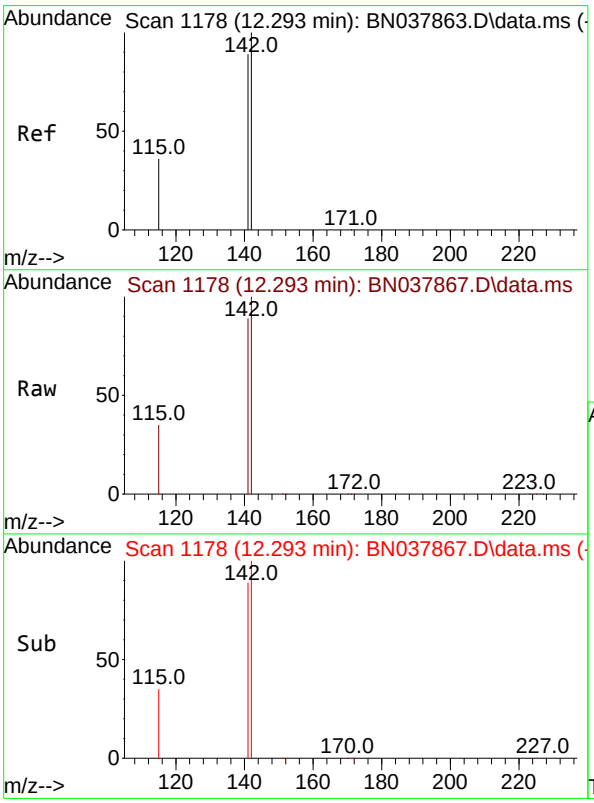
#11
2-Methylnaphthalene-d10
Concen: 6.422 ng
RT: 12.222 min Scan# 11
Delta R.T. 0.005 min
Lab File: BN037867.D
Acq: 23 Sep 2025 15:51

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:152 Resp: 154332

Ion	Ratio	Lower	Upper
152	100		
151	21.2	17.4	26.2

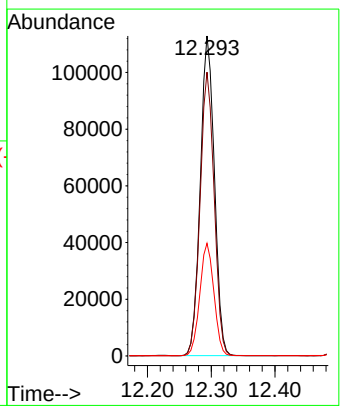


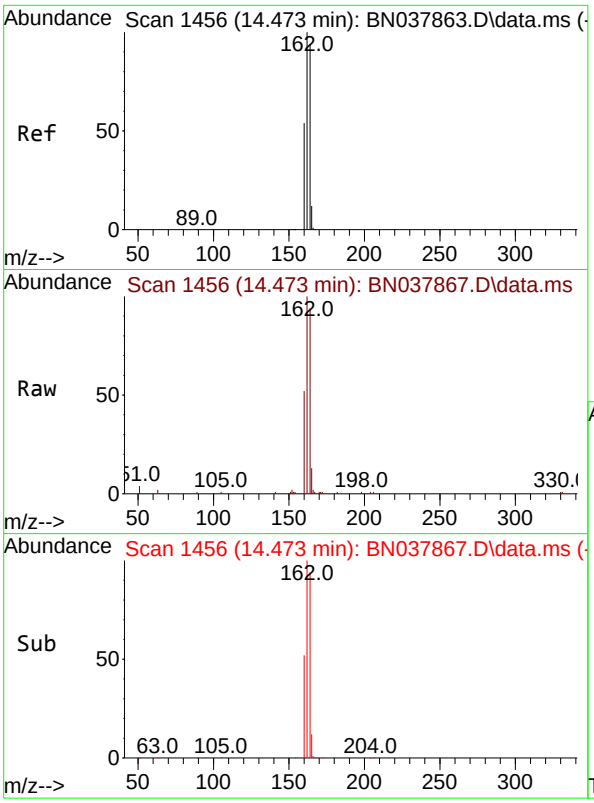


#12
2-Methylnaphthalene
Concen: 5.567 ng
RT: 12.293 min Scan# 1178
Delta R.T. -0.000 min
Lab File: BN037867.D
Acq: 23 Sep 2025 15:51

Tgt Ion:142 Resp: 173335

Ion	Ratio	Lower	Upper
142	100		
141	88.7	71.2	106.8
115	35.2	29.7	44.5



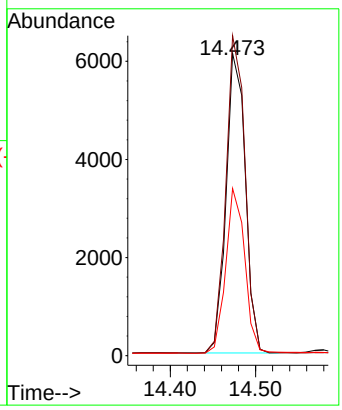


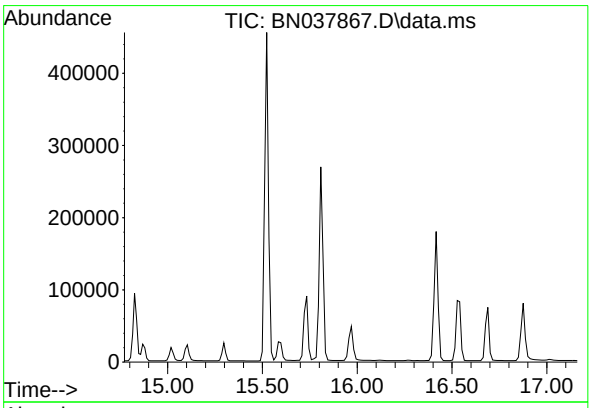
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.473 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN037867.D
Acq: 23 Sep 2025 15:51

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:164 Resp: 9570

Ion	Ratio	Lower	Upper
164	100		
162	105.9	84.8	127.2
160	55.3	46.1	69.1



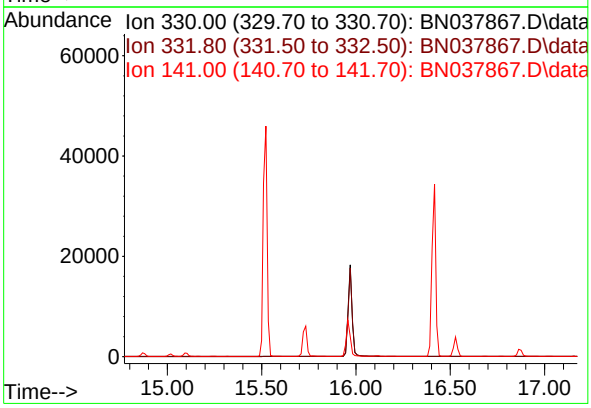


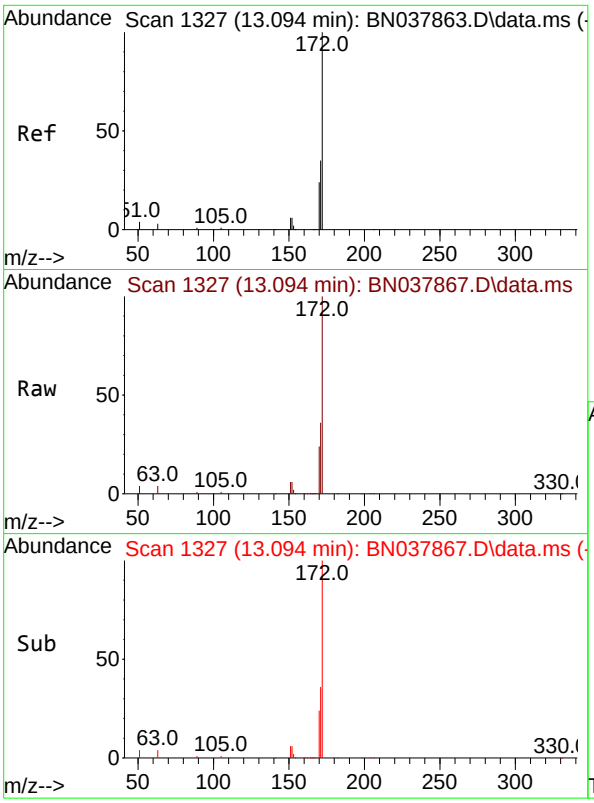
#14
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 15.97 min

Lab File: BN037867.D
Acq: 23 Sep 2025 15:51

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	96.5
141	46.5



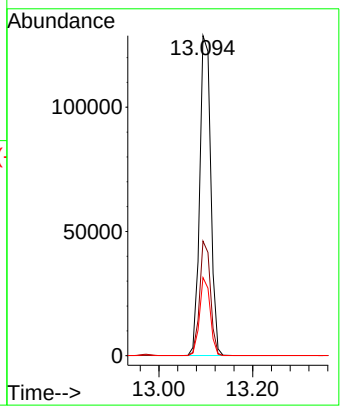


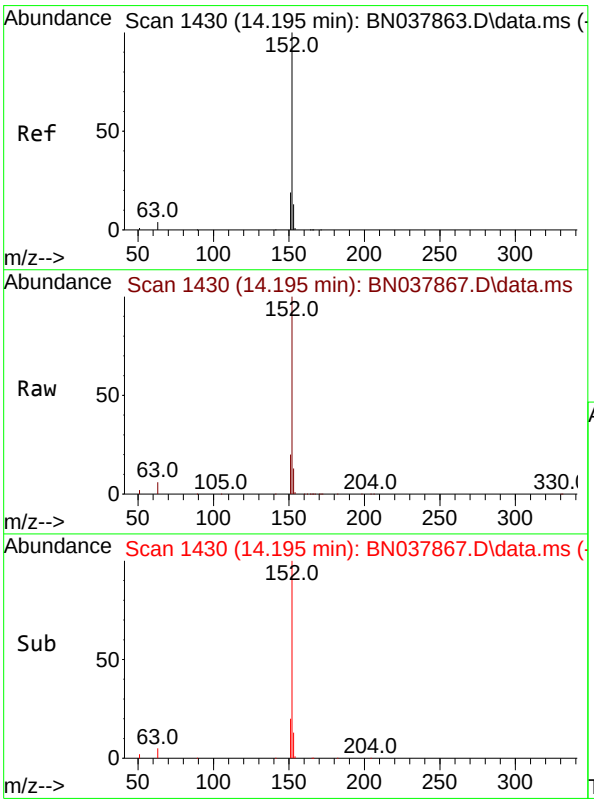
#15
2-Fluorobiphenyl
Concen: 5.379 ng
RT: 13.094 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037867.D
Acq: 23 Sep 2025 15:51

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:172 Resp: 210748

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.6	43.0
170	24.4	19.7	29.5

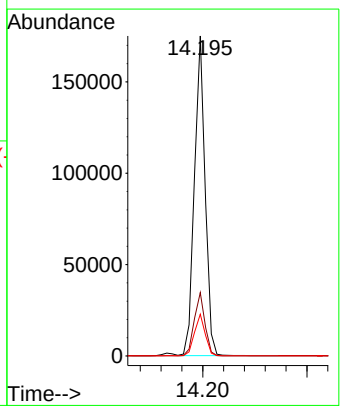


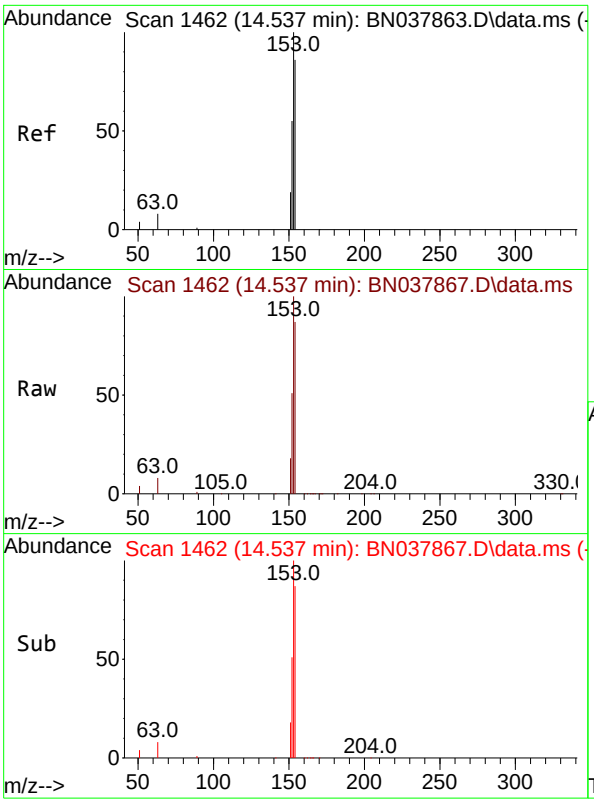


#16
Acenaphthylene
Concen: 5.765 ng
RT: 14.195 min Scan# 1430
Delta R.T. -0.000 min
Lab File: BN037867.D
Acq: 23 Sep 2025 15:51

Tgt Ion:152 Resp: 250496

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.8
153	13.1	10.5	15.7



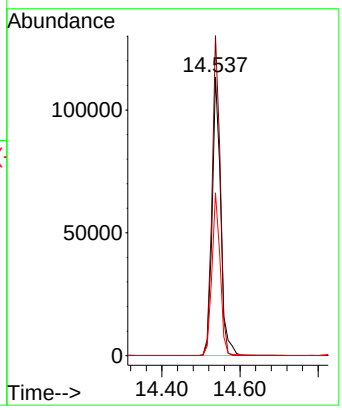


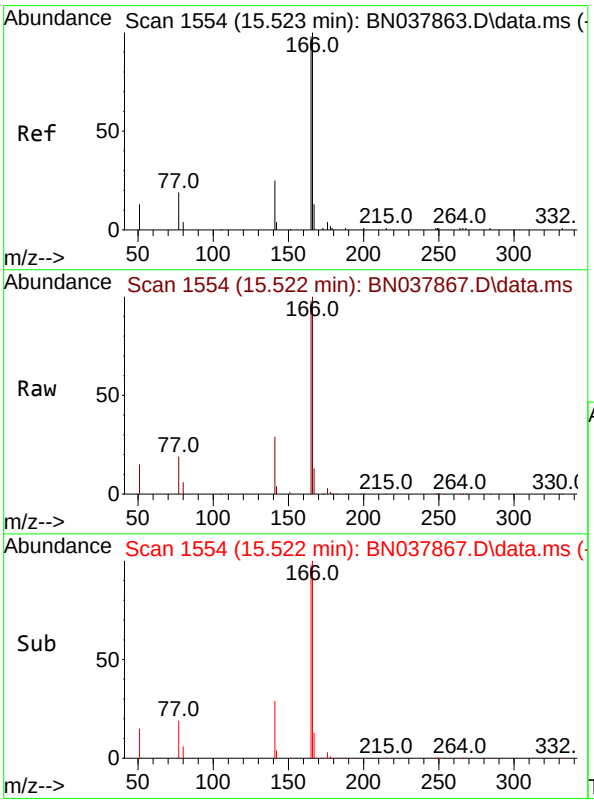
#17
Acenaphthene
Concen: 5.554 ng
RT: 14.537 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN037867.D
Acq: 23 Sep 2025 15:51

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:154 Resp: 171955

Ion	Ratio	Lower	Upper
154	100		
153	108.8	90.5	135.7
152	56.5	51.8	77.8

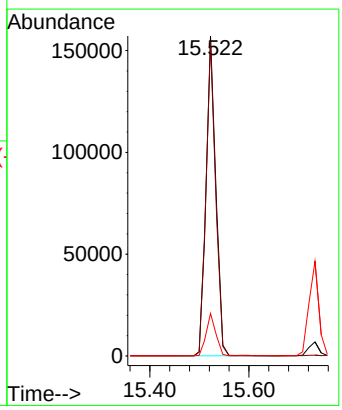


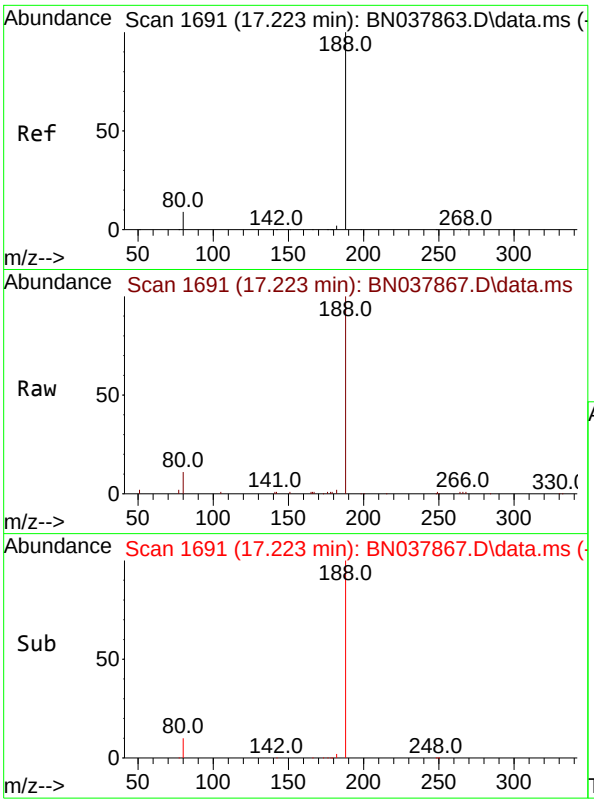


#18
Fluorene
Concen: 5.583 ng
RT: 15.522 min Scan# 1554
Delta R.T. -0.000 min
Lab File: BN037867.D
Acq: 23 Sep 2025 15:51

Tgt Ion:166 Resp: 209070

Ion	Ratio	Lower	Upper
166	100		
165	95.7	79.0	118.4
167	12.9	10.6	16.0



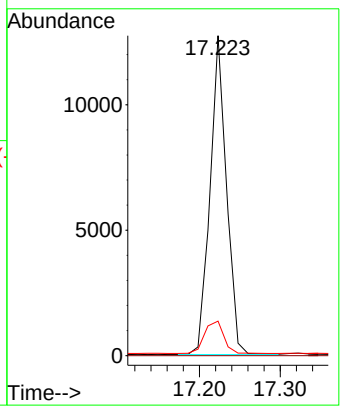


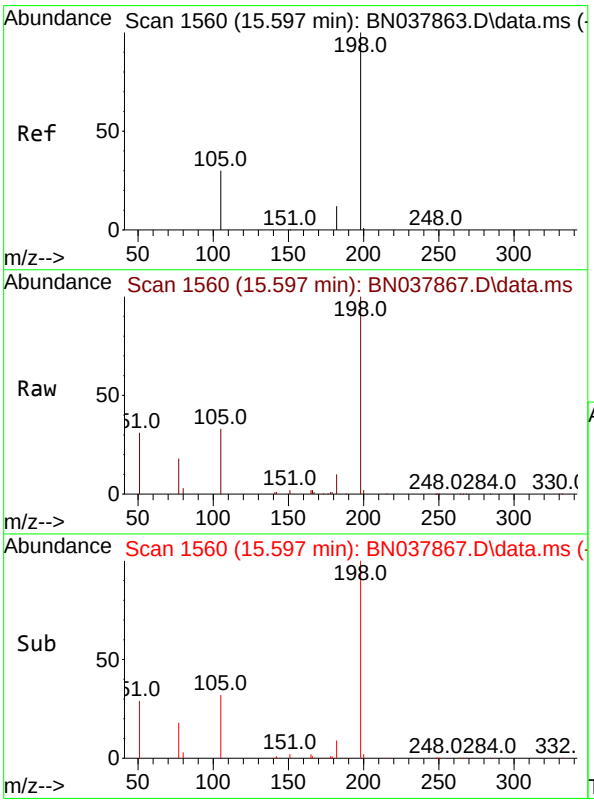
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.223 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN037867.D
Acq: 23 Sep 2025 15:51

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:188 Resp: 17948

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.8	7.6	11.4

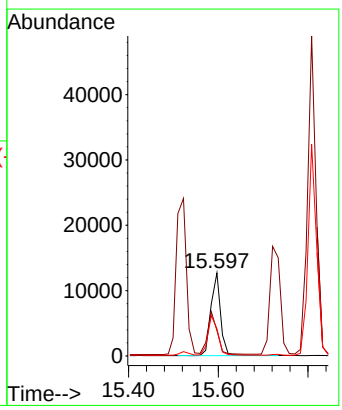


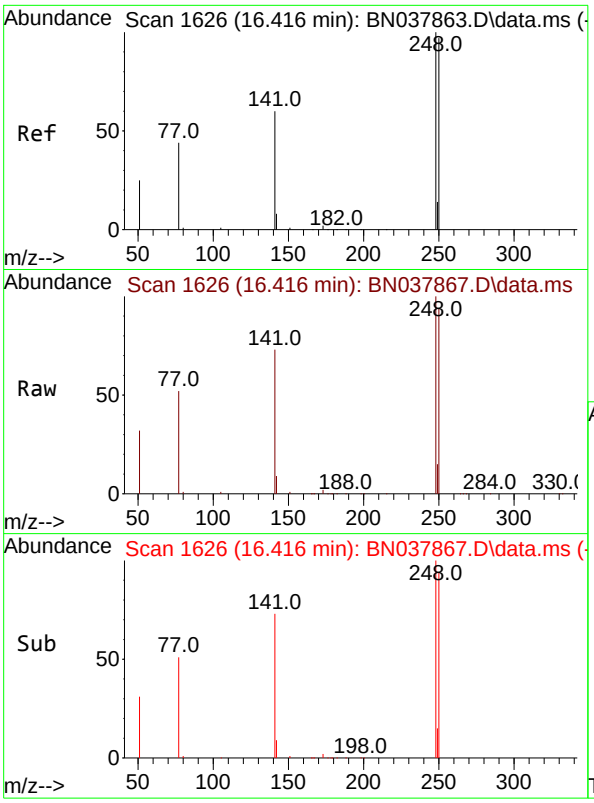


#20
4,6-Dinitro-2-methylphenol
Concen: 4.997 ng
RT: 15.597 min Scan# 1560
Delta R.T. -0.000 min
Lab File: BN037867.D
Acq: 23 Sep 2025 15:51

Tgt Ion:198 Resp: 18771

Ion	Ratio	Lower	Upper
198	100		
51	30.7	59.1	88.7#
105	32.7	41.3	61.9#



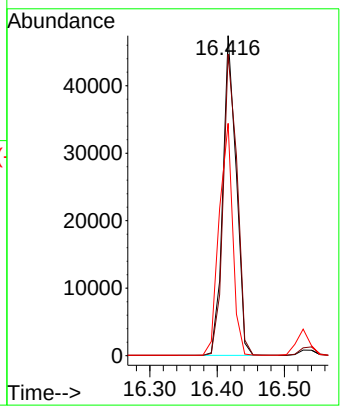


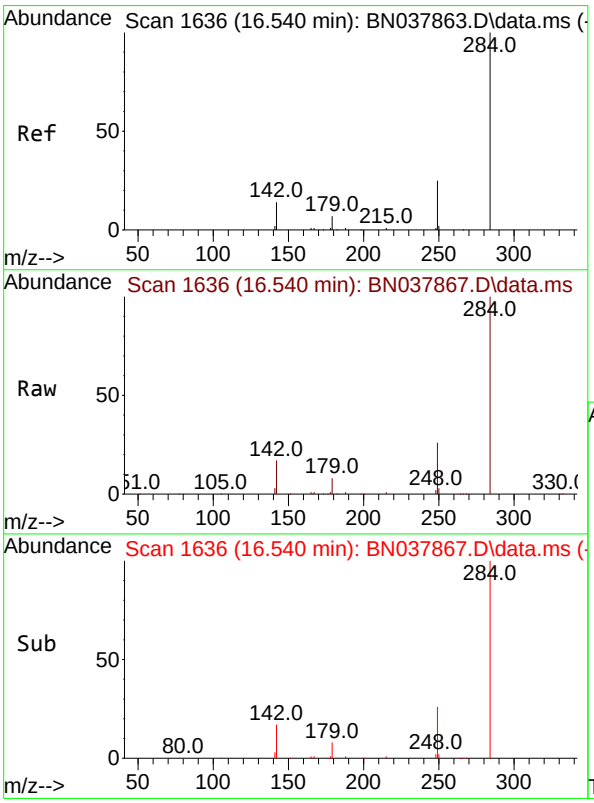
#21
4-Bromophenyl-phenylether
Concen: 5.577 ng
RT: 16.416 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037867.D
Acq: 23 Sep 2025 15:51

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:248 Resp: 65230

Ion	Ratio	Lower	Upper
248	100		
250	94.2	77.6	116.4
141	72.6	48.8	73.2

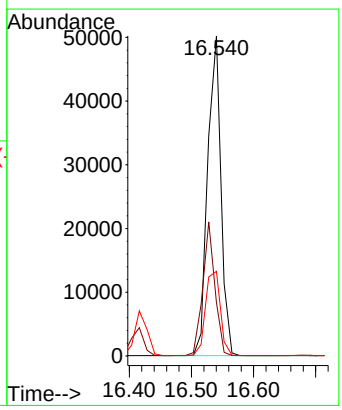


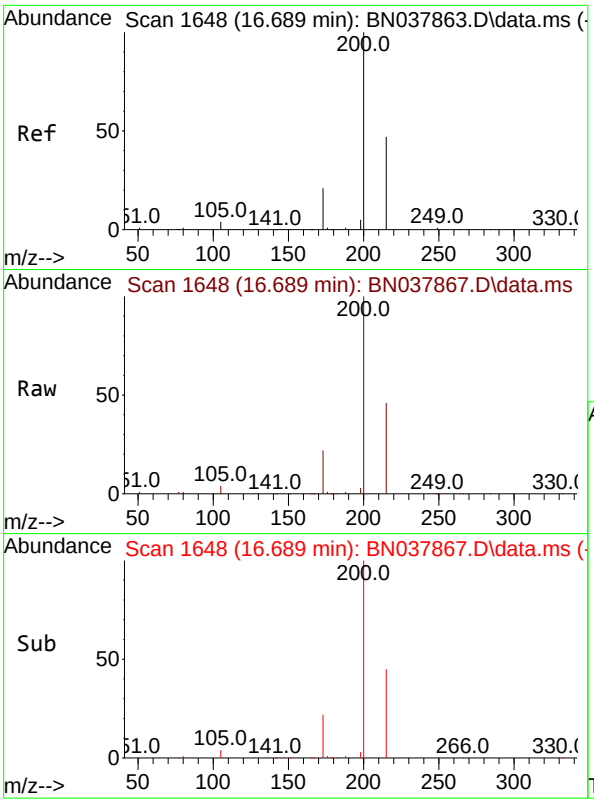


#22
Hexachlorobenzene
Concen: 5.252 ng
RT: 16.540 min Scan# 1636
Delta R.T. -0.000 min
Lab File: BN037867.D
Acq: 23 Sep 2025 15:51

Tgt Ion:284 Resp: 74475

Ion	Ratio	Lower	Upper
284	100		
142	38.4	30.9	46.3
249	29.6	23.9	35.9



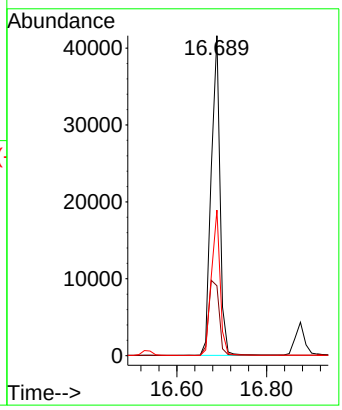


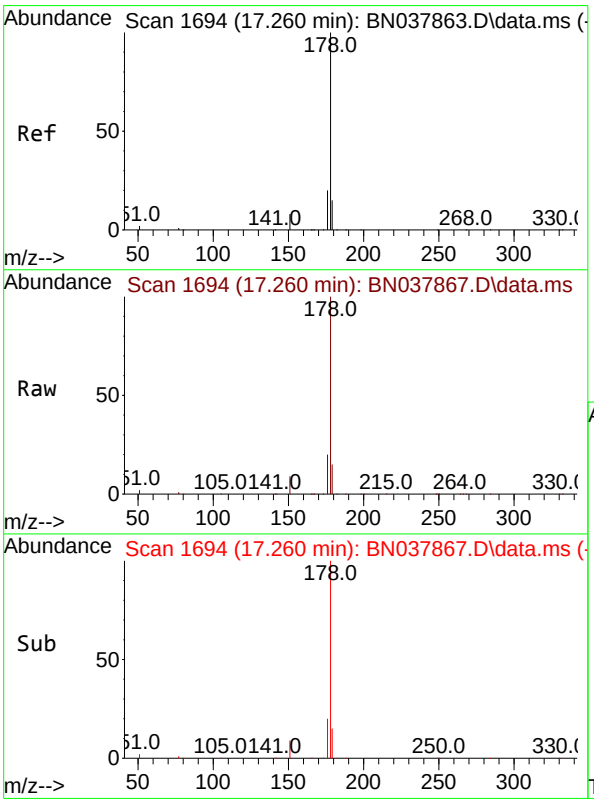
#23
Atrazine
Concen: 6.284 ng
RT: 16.689 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN037867.D
Acq: 23 Sep 2025 15:51

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:200 Resp: 55972

Ion	Ratio	Lower	Upper
200	100		
173	21.8	18.3	27.5
215	45.5	38.6	58.0

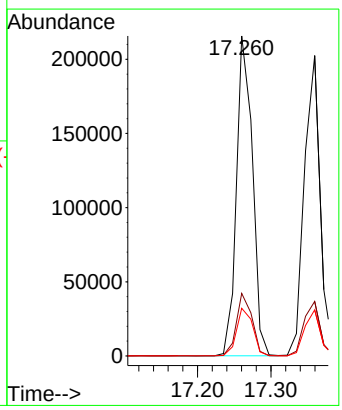


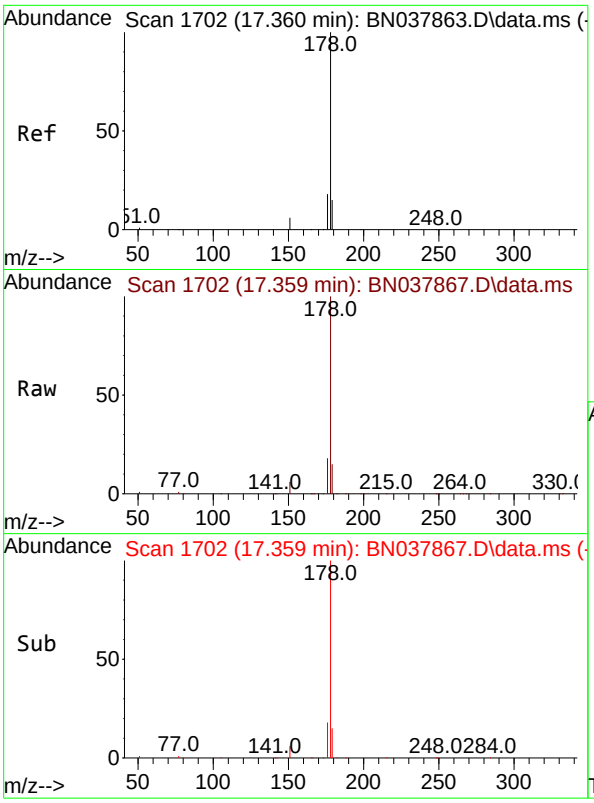


#25
Phenanthrene
Concen: 5.514 ng
RT: 17.260 min Scan# 1694
Delta R.T. -0.000 min
Lab File: BN037867.D
Acq: 23 Sep 2025 15:51

Tgt Ion:178 Resp: 325691

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.7	23.5
179	15.1	12.3	18.5



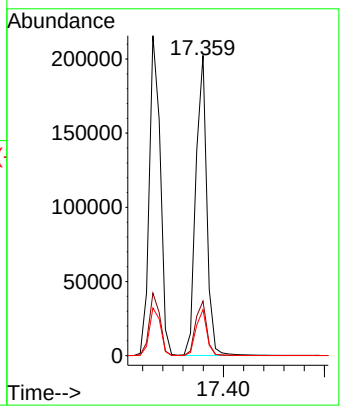


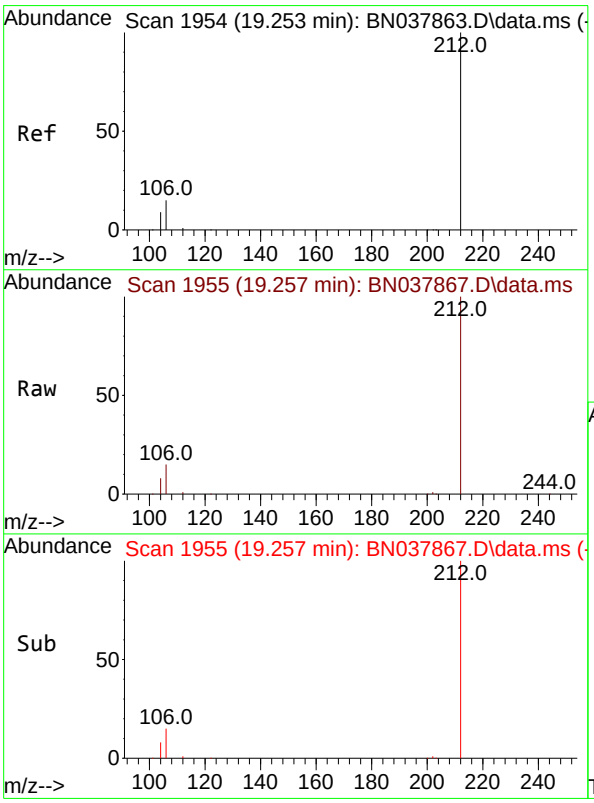
#26
Anthracene
Concen: 5.958 ng
RT: 17.359 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037867.D
Acq: 23 Sep 2025 15:51

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:178 Resp: 305295

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.0	22.4
179	15.2	12.3	18.5

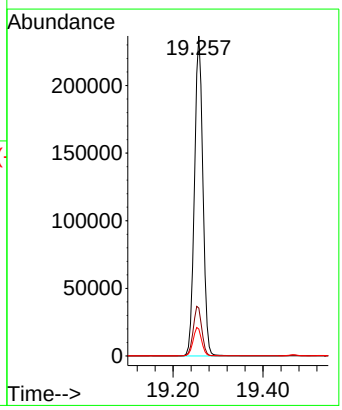


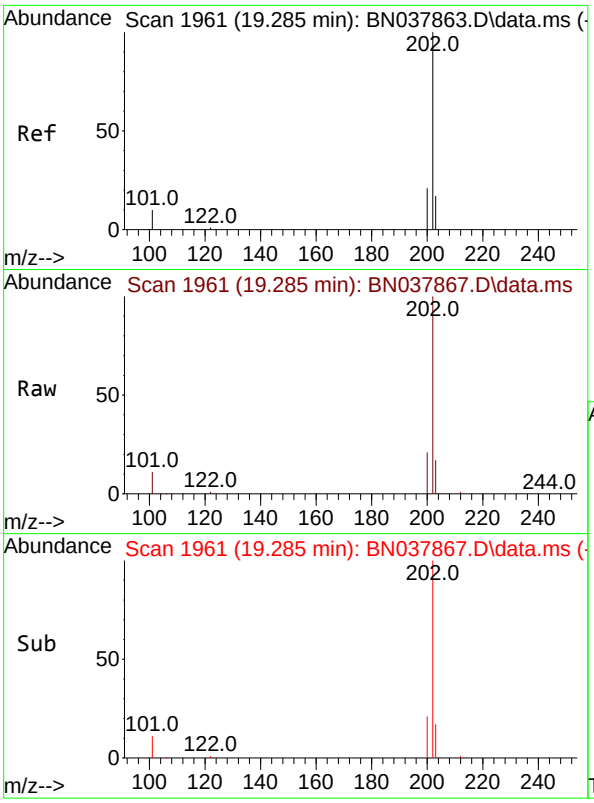


#27
Fluoranthene-d10
Concen: 6.807 ng
RT: 19.257 min Scan# 1955
Delta R.T. 0.005 min
Lab File: BN037867.D
Acq: 23 Sep 2025 15:51

Tgt Ion:212 Resp: 307332

Ion	Ratio	Lower	Upper
212	100		
106	15.7	12.6	19.0
104	9.0	7.4	11.0



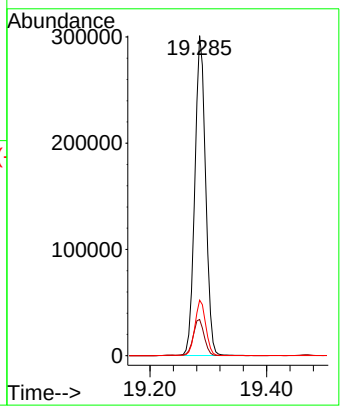


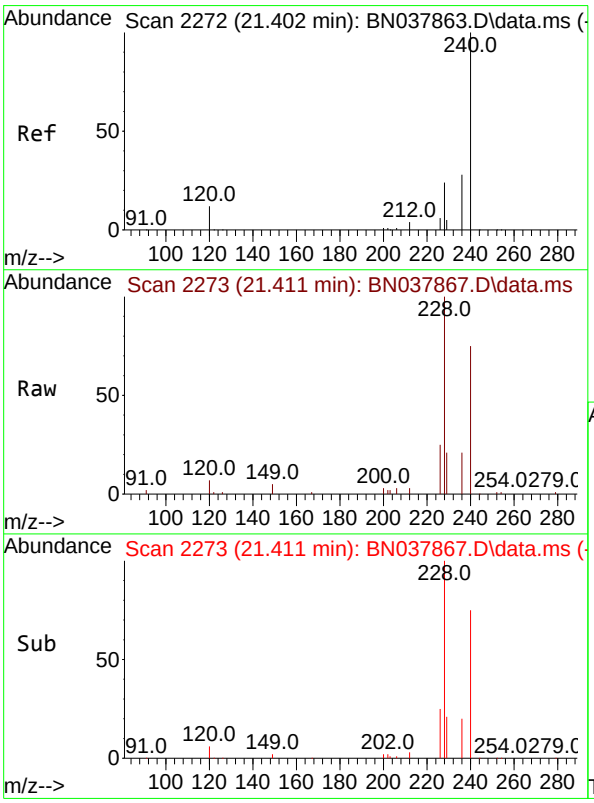
#28
Fluoranthene
Concen: 5.908 ng
RT: 19.285 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037867.D
Acq: 23 Sep 2025 15:51

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:202 Resp: 384292

Ion	Ratio	Lower	Upper
202	100		
101	11.7	9.3	13.9
203	17.3	13.6	20.4

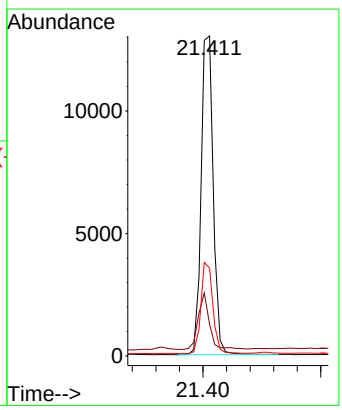


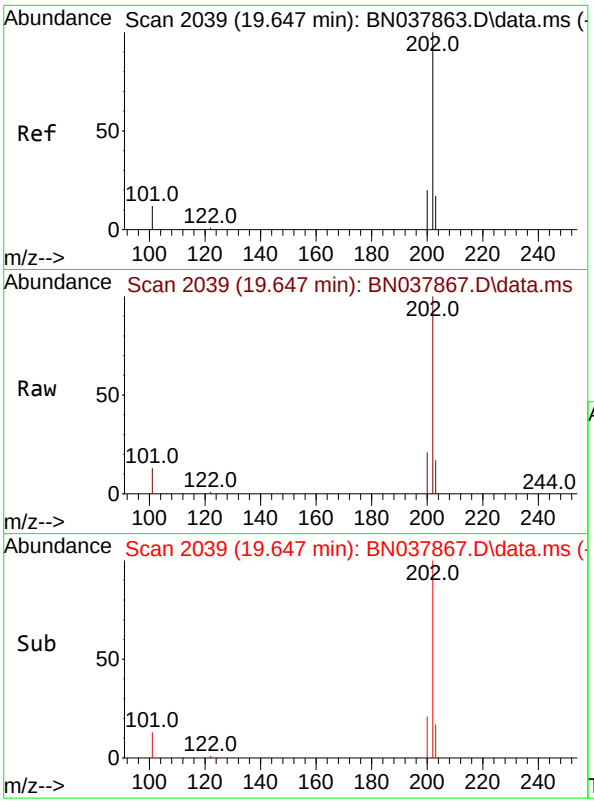


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.411 min Scan# 2273
Delta R.T. 0.009 min
Lab File: BN037867.D
Acq: 23 Sep 2025 15:51

Tgt Ion:240 Resp: 18531

Ion	Ratio	Lower	Upper
240	100		
120	10.0	11.4	17.2#
236	27.5	23.0	34.6



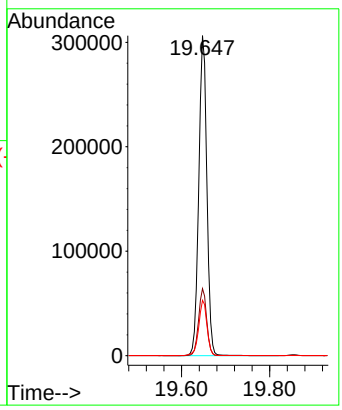


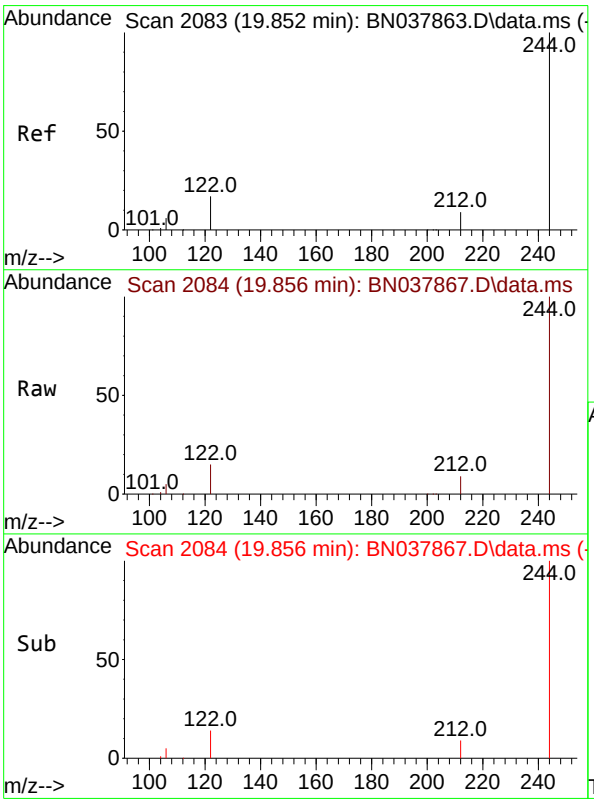
#30
Pyrene
Concen: 5.315 ng
RT: 19.647 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037867.D
Acq: 23 Sep 2025 15:51

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:202 Resp: 388849

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.7	25.1
203	17.7	14.2	21.4

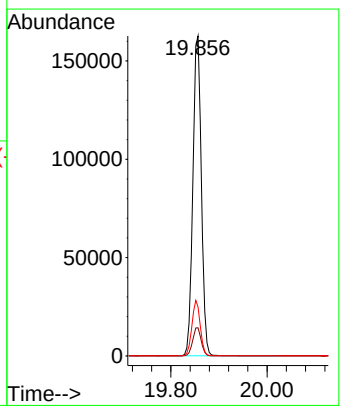


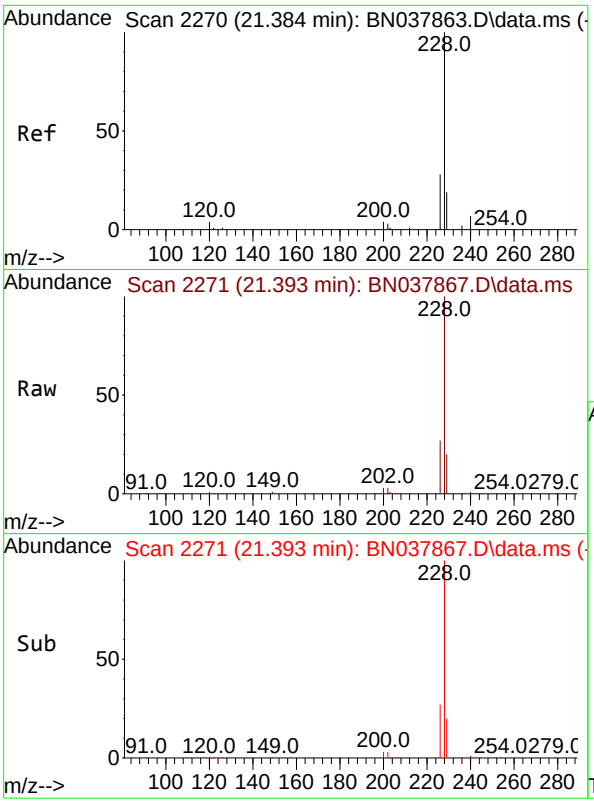


#31
Terphenyl-d14
Concen: 5.606 ng
RT: 19.856 min Scan# 2084
Delta R.T. 0.005 min
Lab File: BN037867.D
Acq: 23 Sep 2025 15:51

Tgt Ion:244 Resp: 206917

Ion	Ratio	Lower	Upper
244	100		
212	8.8	7.6	11.4
122	15.3	13.9	20.9



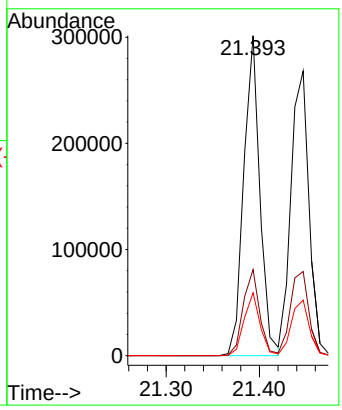


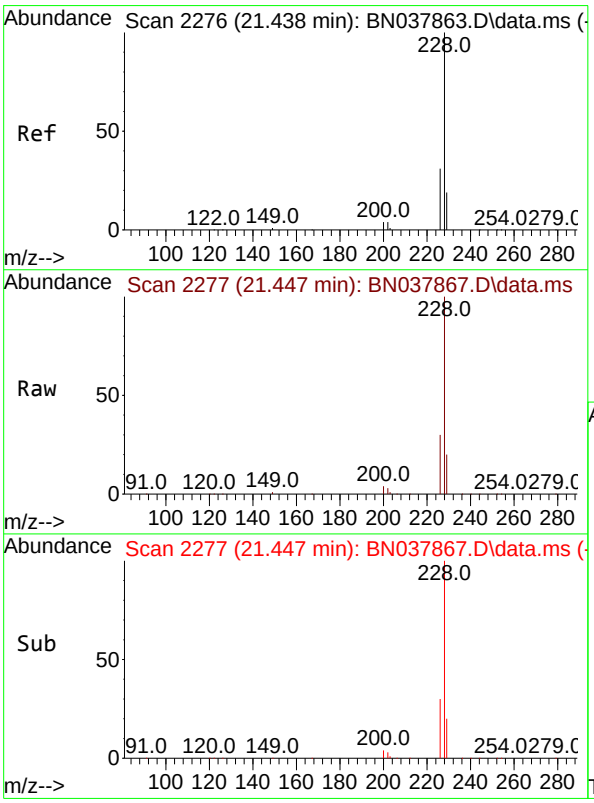
#32
Benzo(a)anthracene
Concen: 5.604 ng
RT: 21.393 min Scan# 2
Delta R.T. 0.009 min
Lab File: BN037867.D
Acq: 23 Sep 2025 15:51

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:228 Resp: 362927

Ion	Ratio	Lower	Upper
228	100		
226	26.9	22.6	33.8
229	19.7	15.6	23.4

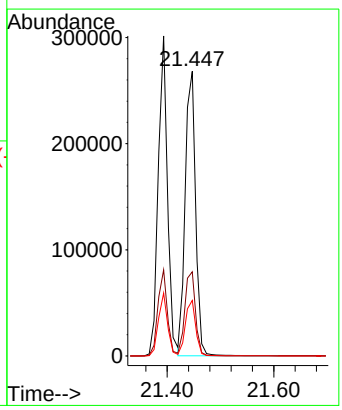


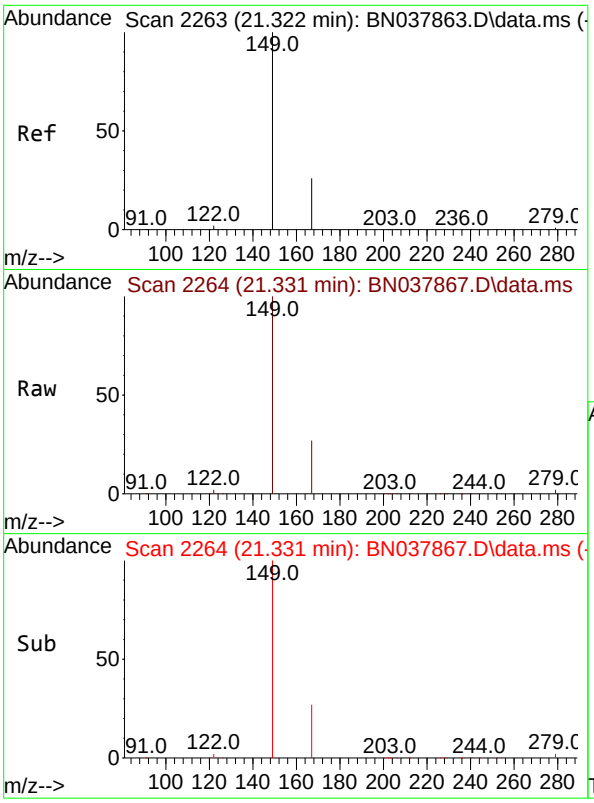


#33
Chrysene
Concen: 5.189 ng
RT: 21.447 min Scan# 2277
Delta R.T. 0.009 min
Lab File: BN037867.D
Acq: 23 Sep 2025 15:51

Tgt Ion:228 Resp: 363421

Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.6	37.0
229	19.5	15.6	23.4



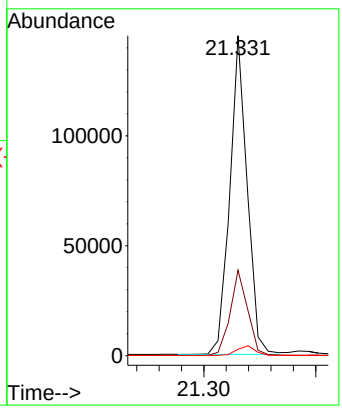


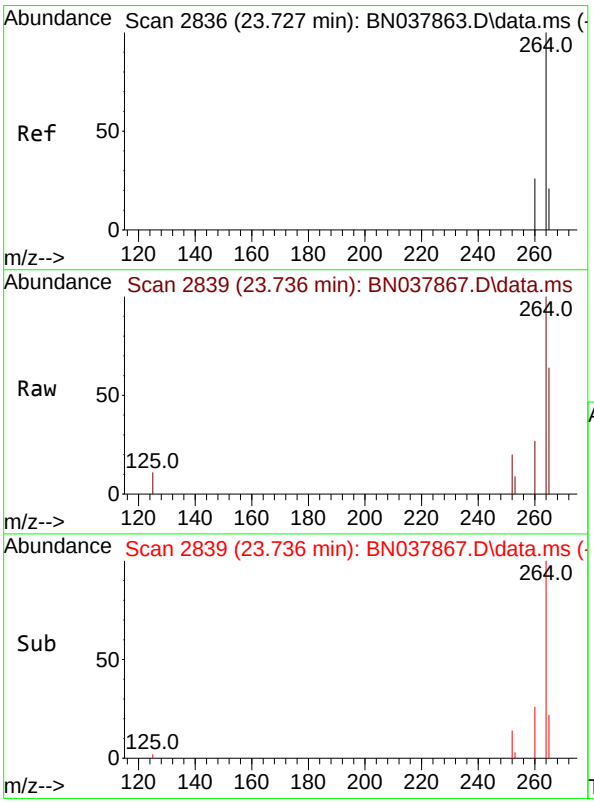
#34
Bis(2-ethylhexyl)phthalate
Concen: 6.109 ng
RT: 21.331 min Scan# 2
Delta R.T. 0.009 min
Lab File: BN037867.D
Acq: 23 Sep 2025 15:51

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:149 Resp: 156492

Ion	Ratio	Lower	Upper
149	100		
167	26.8	20.4	30.6
279	3.2	2.4	3.6

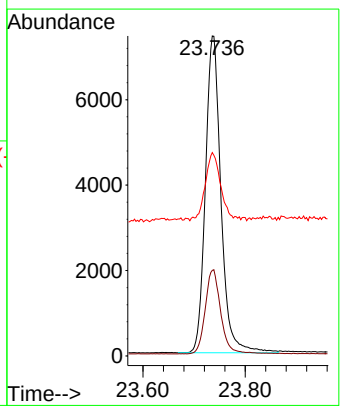


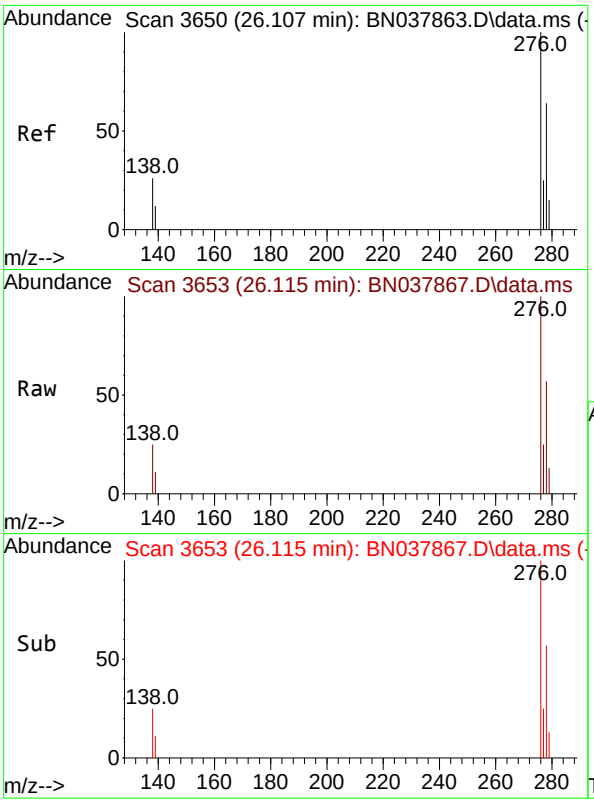


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.736 min Scan# 2839
Delta R.T. 0.009 min
Lab File: BN037867.D
Acq: 23 Sep 2025 15:51

Tgt Ion:264 Resp: 15649

Ion	Ratio	Lower	Upper
264	100		
260	26.8	21.5	32.3
265	63.5	53.8	80.6



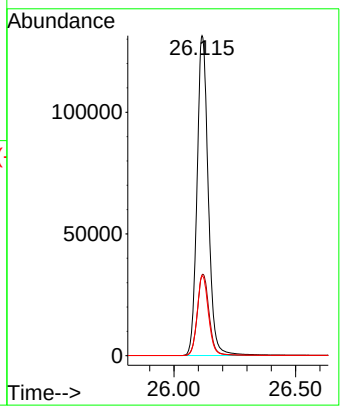


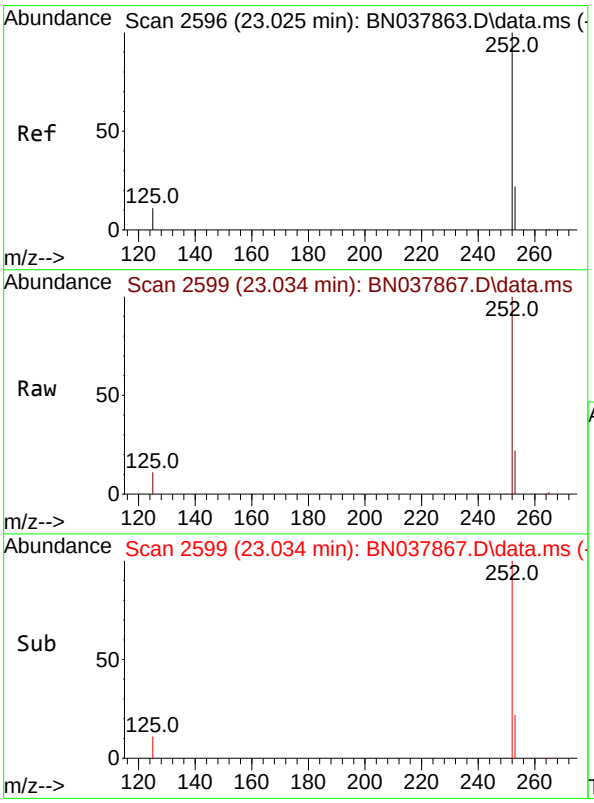
#36
Indeno(1,2,3-cd)pyrene
Concen: 5.906 ng
RT: 26.115 min Scan# 3
Delta R.T. 0.009 min
Lab File: BN037867.D
Acq: 23 Sep 2025 15:51

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:276 Resp: 422337

Ion	Ratio	Lower	Upper
276	100		
138	26.3	21.4	32.0
277	25.1	20.3	30.5

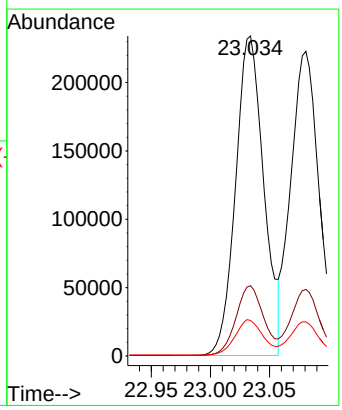


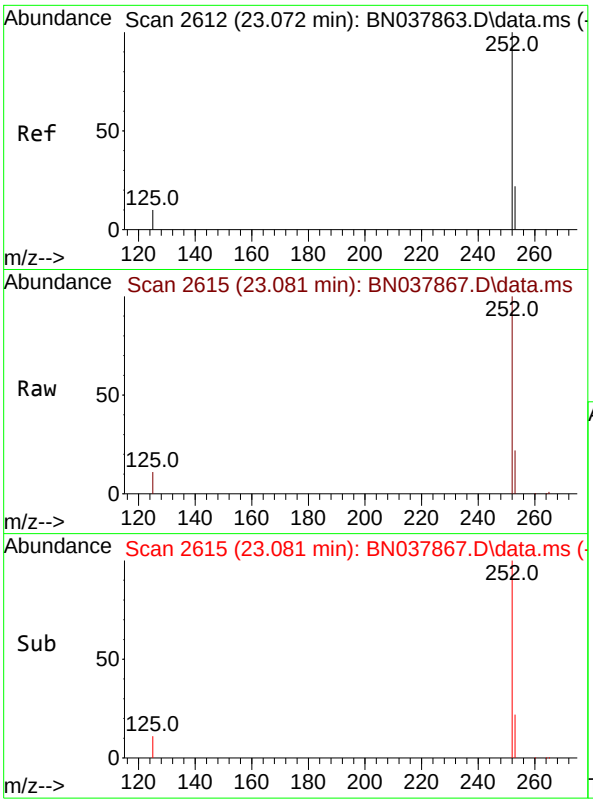


#37
Benzo(b)fluoranthene
Concen: 5.742 ng
RT: 23.034 min Scan# 2599
Delta R.T. 0.009 min
Lab File: BN037867.D
Acq: 23 Sep 2025 15:51

Tgt Ion:252 Resp: 387512

Ion	Ratio	Lower	Upper
252	100		
253	22.0	19.4	29.0
125	11.1	13.0	19.4#



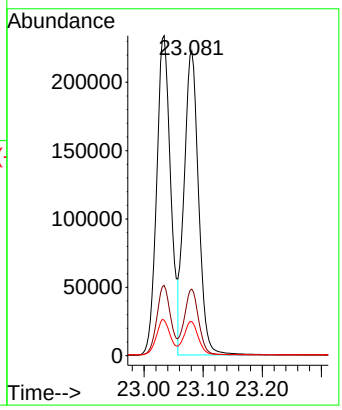


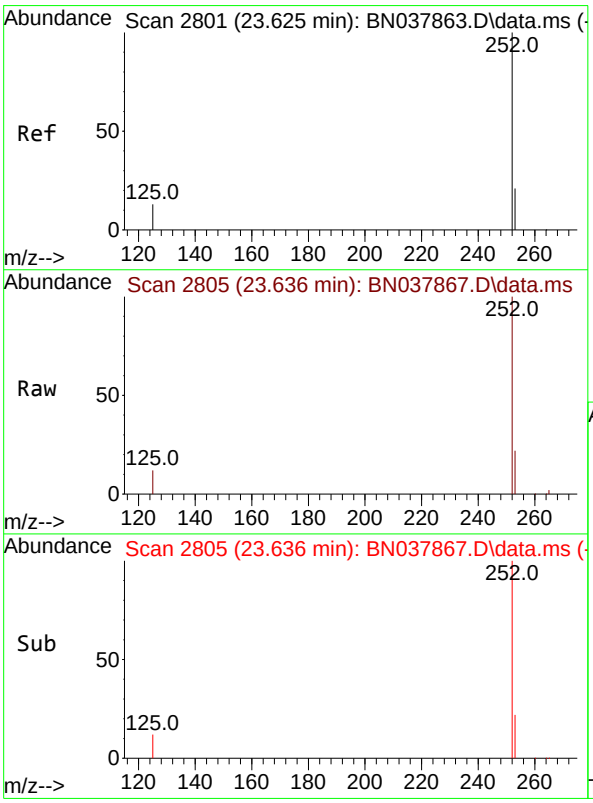
#38
Benzo(k)fluoranthene
Concen: 5.548 ng
RT: 23.081 min Scan# 2
Delta R.T. 0.009 min
Lab File: BN037867.D
Acq: 23 Sep 2025 15:51

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:252 Resp: 376732

Ion	Ratio	Lower	Upper
252	100		
253	21.8	19.5	29.3
125	11.2	13.0	19.4#

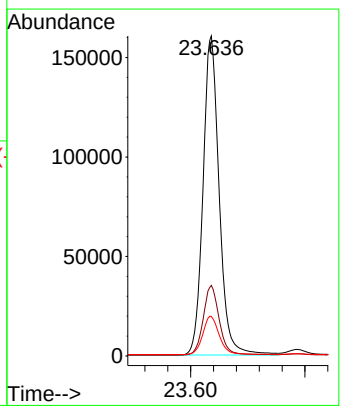


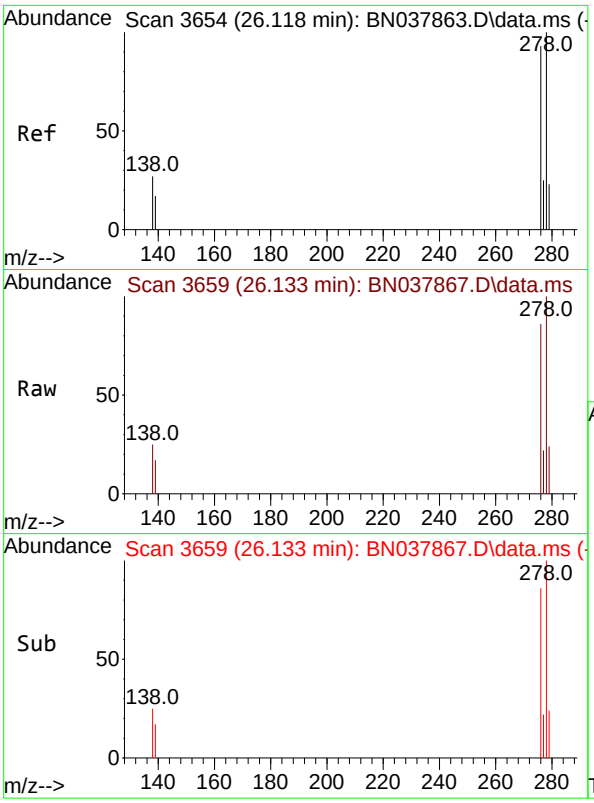


#39
Benzo(a)pyrene
Concen: 5.900 ng
RT: 23.636 min Scan# 2805
Delta R.T. 0.012 min
Lab File: BN037867.D
Acq: 23 Sep 2025 15:51

Tgt Ion:252 Resp: 314913

Ion	Ratio	Lower	Upper
252	100		
253	22.0	20.6	30.8
125	12.3	16.7	25.1#



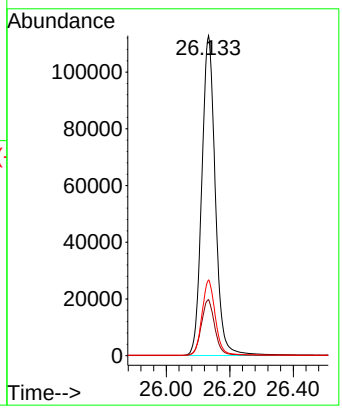


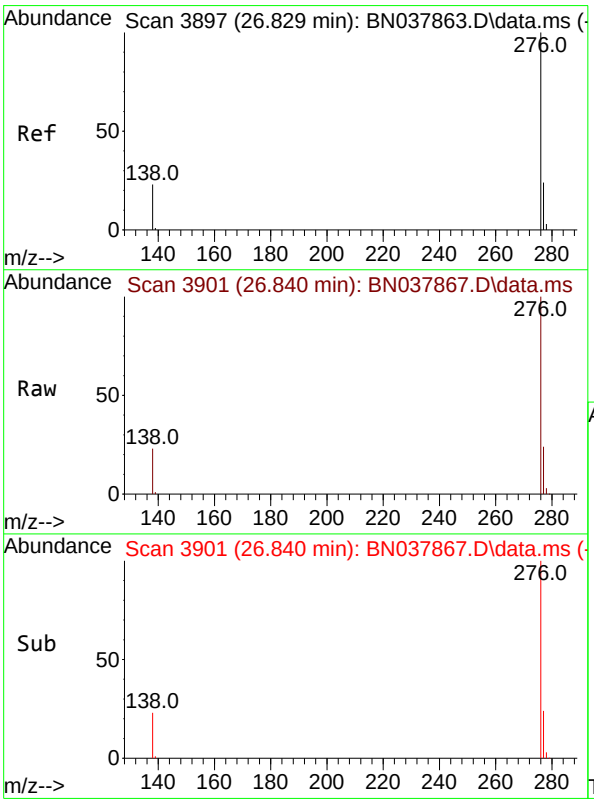
#40
Dibenzo(a,h)anthracene
Concen: 5.971 ng
RT: 26.133 min Scan# 3
Delta R.T. 0.015 min
Lab File: BN037867.D
Acq: 23 Sep 2025 15:51

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:278 Resp: 333427

Ion	Ratio	Lower	Upper
278	100		
139	17.5	15.4	23.2
279	23.6	20.8	31.2

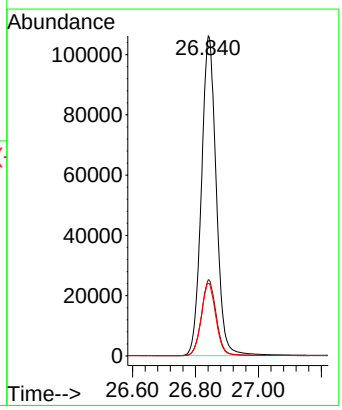




#41
Benzo(g,h,i)perylene
Concen: 5.913 ng
RT: 26.840 min Scan# 3901
Delta R.T. 0.012 min
Lab File: BN037867.D
Acq: 23 Sep 2025 15:51

Tgt Ion:276 Resp: 346868

Ion	Ratio	Lower	Upper
276	100		
277	23.8	20.2	30.4
138	22.7	19.8	29.8



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092325\
Data File : BN037868.D
Acq On : 23 Sep 2025 16:28
Operator : RC/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
ICVBN092325

Quant Time: Sep 24 11:02:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration

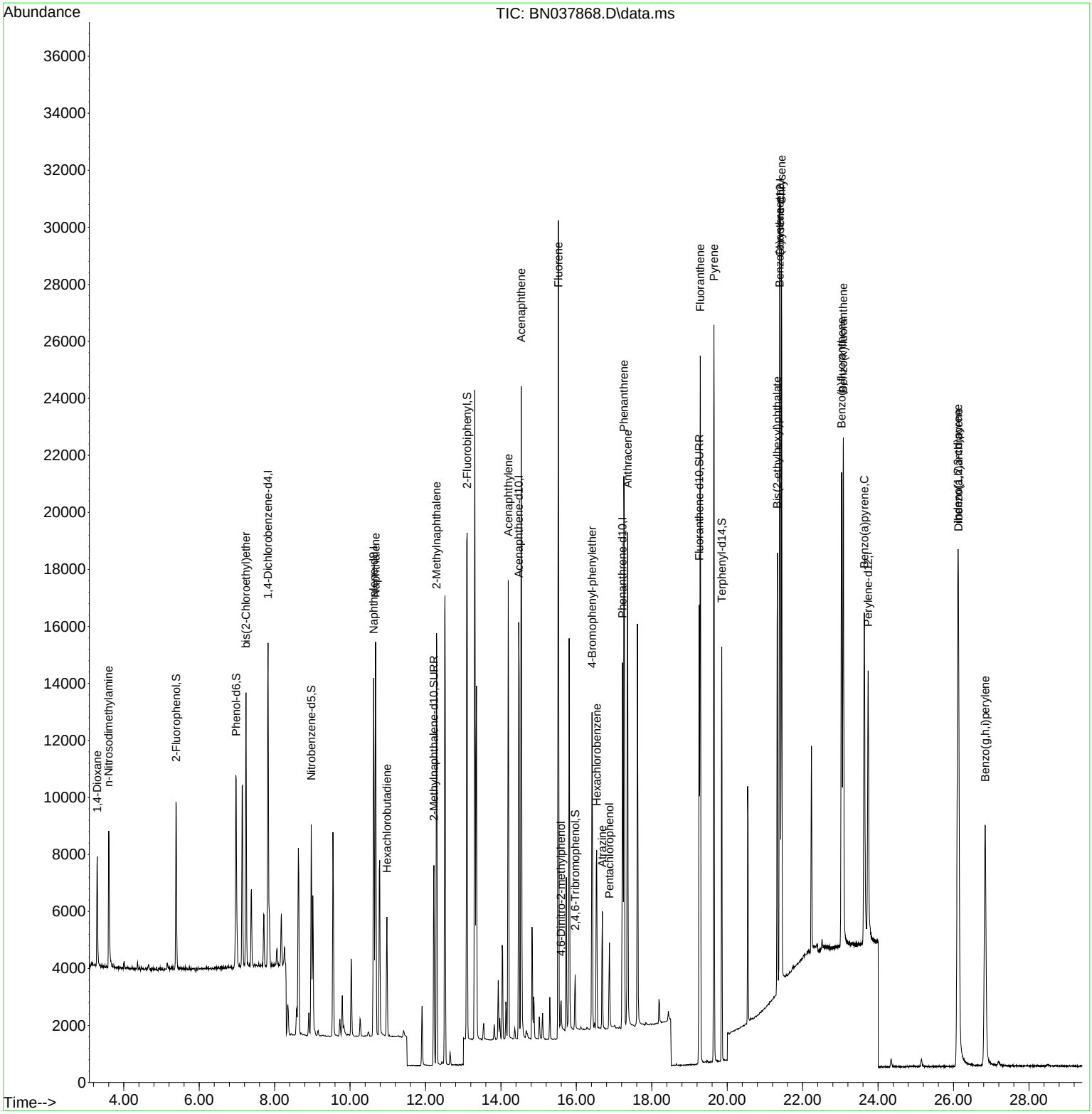
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.825	152	5572	0.400	ng		0.00
7) Naphthalene-d8	10.626	136	16158	0.400	ng		0.00
13) Acenaphthene-d10	14.473	164	8429	0.400	ng		0.00
19) Phenanthrene-d10	17.223	188	16279	0.400	ng	#	0.00
29) Chrysene-d12	21.402	240	14204	0.400	ng	#	0.00
35) Perylene-d12	23.736	264	13265	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.392	112	5005	0.394	ng		0.00
5) Phenol-d6	6.980	99	6375	0.382	ng		0.00
8) Nitrobenzene-d5	8.971	82	5453	0.442	ng		0.00
11) 2-Methylnaphthalene-d10	12.222	152	9492	0.423	ng		0.00
14) 2,4,6-Tribromophenol	15.969	330	1107	0.346	ng		0.00
15) 2-Fluorobiphenyl	13.105	172	16723	0.485	ng		0.01
27) Fluoranthene-d10	19.257	212	16910	0.413	ng		0.00
31) Terphenyl-d14	19.856	244	13646	0.482	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.297	88	2698	0.477	ng		98
3) n-Nitrosodimethylamine	3.600	42	3070	0.408	ng	#	89
6) bis(2-Chloroethyl)ether	7.240	93	6823	0.440	ng		99
9) Naphthalene	10.680	128	18392	0.413	ng		99
10) Hexachlorobutadiene	10.979	225	3253	0.428	ng	#	100
12) 2-Methylnaphthalene	12.293	142	10904	0.375	ng		99
16) Acenaphthylene	14.195	152	16721	0.437	ng		99
17) Acenaphthene	14.537	154	11059	0.406	ng		99
18) Fluorene	15.522	166	13327	0.404	ng		97
20) 4,6-Dinitro-2-methylph...	15.597	198	737	0.418	ng		99
21) 4-Bromophenyl-phenylether	16.416	248	4157	0.392	ng	#	89
22) Hexachlorobenzene	16.540	284	5455	0.424	ng		100
23) Atrazine	16.689	200	3196	0.396	ng		98
24) Pentachlorophenol	16.875	266	1396	0.316	ng		99
25) Phenanthrene	17.260	178	22020	0.411	ng		100
26) Anthracene	17.360	178	18967	0.408	ng		99
28) Fluoranthene	19.285	202	23044	0.391	ng		100
30) Pyrene	19.647	202	22563	0.402	ng		100
32) Benzo(a)anthracene	21.393	228	20398	0.411	ng		99
33) Chrysene	21.438	228	22204	0.414	ng		99
34) Bis(2-ethylhexyl)phtha...	21.331	149	7939	0.404	ng		98
36) Indeno(1,2,3-cd)pyrene	26.115	276	25340	0.418	ng		99
37) Benzo(b)fluoranthene	23.031	252	22193	0.388	ng		99
38) Benzo(k)fluoranthene	23.078	252	23886	0.415	ng		100
39) Benzo(a)pyrene	23.633	252	19091	0.422	ng		100
40) Dibenzo(a,h)anthracene	26.130	278	19441	0.411	ng		100
41) Benzo(g,h,i)perylene	26.841	276	19570	0.394	ng		99

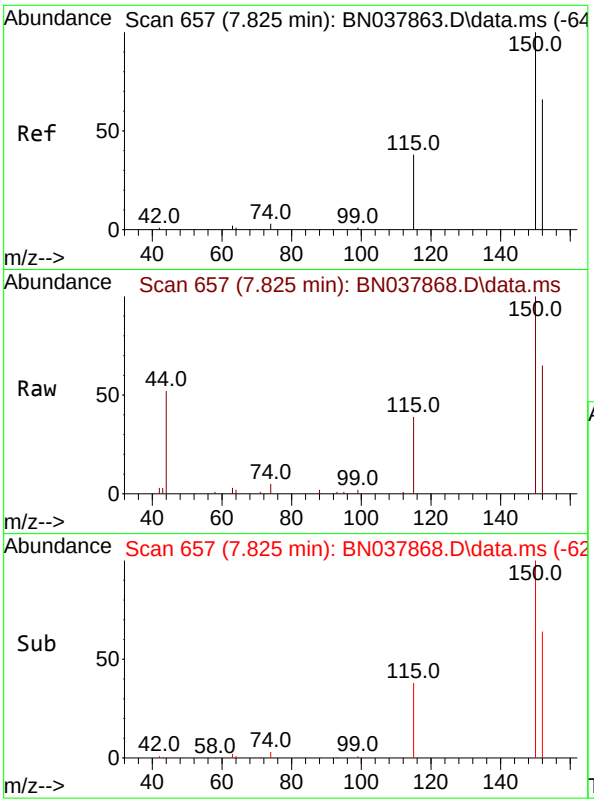
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092325\
Data File : BN037868.D
Acq On : 23 Sep 2025 16:28
Operator : RC/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
ICVBN092325

Quant Time: Sep 24 11:02:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration



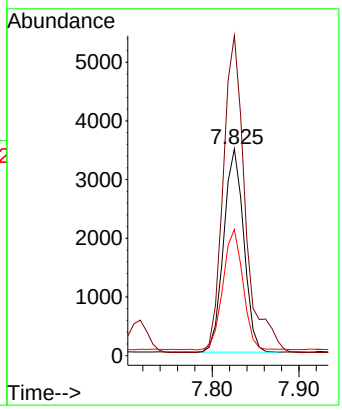


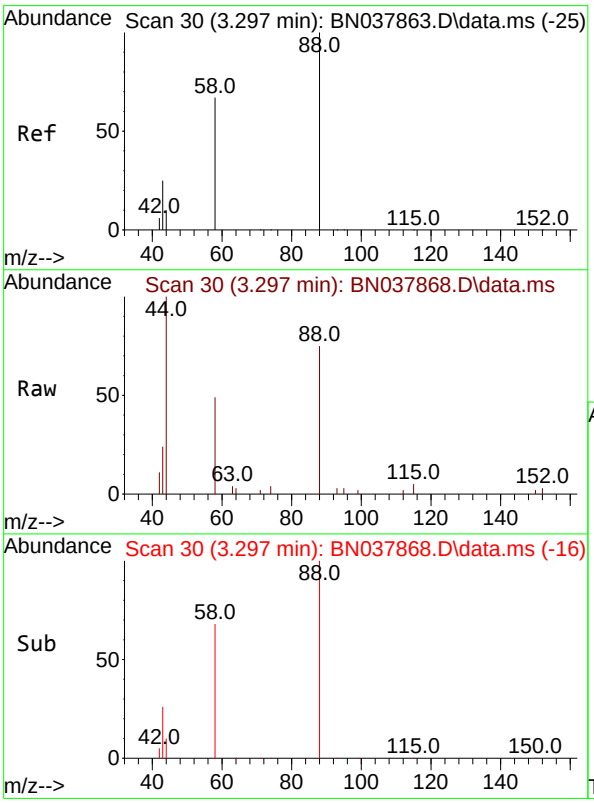
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.825 min Scan# 6
Delta R.T. 0.000 min
Lab File: BN037868.D
Acq: 23 Sep 2025 16:28

Instrument :
BNA_N
ClientSampleId :
ICVBN092325

Tgt Ion:152 Resp: 5572

Ion	Ratio	Lower	Upper
152	100		
150	154.8	121.0	181.4
115	61.0	47.4	71.0

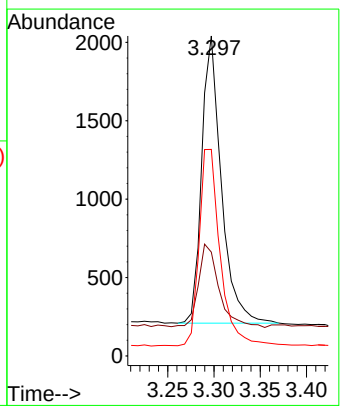


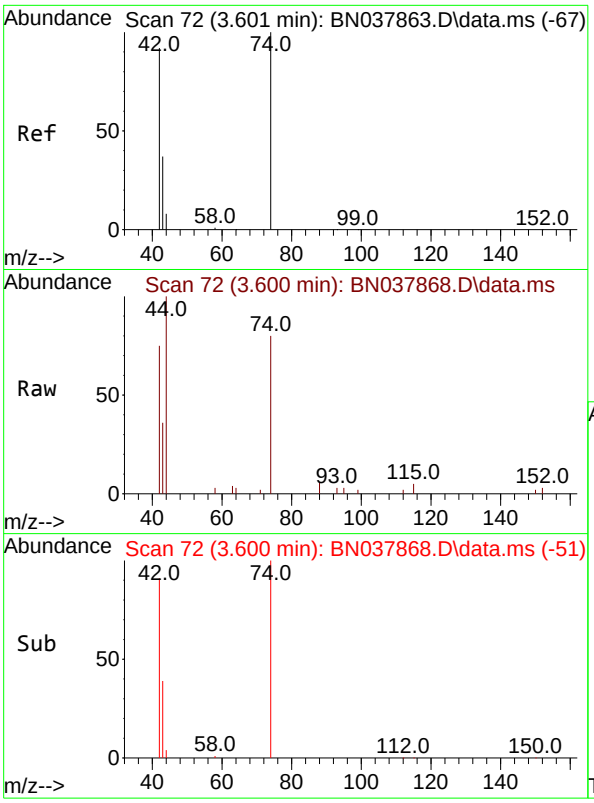


#2
1,4-Dioxane
Concen: 0.477 ng
RT: 3.297 min Scan# 30
Delta R.T. -0.000 min
Lab File: BN037868.D
Acq: 23 Sep 2025 16:28

Tgt Ion: 88 Resp: 2698

Ion	Ratio	Lower	Upper
88	100		
43	30.6	26.6	39.8
58	72.8	58.9	88.3



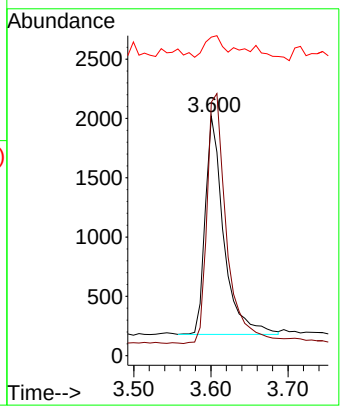


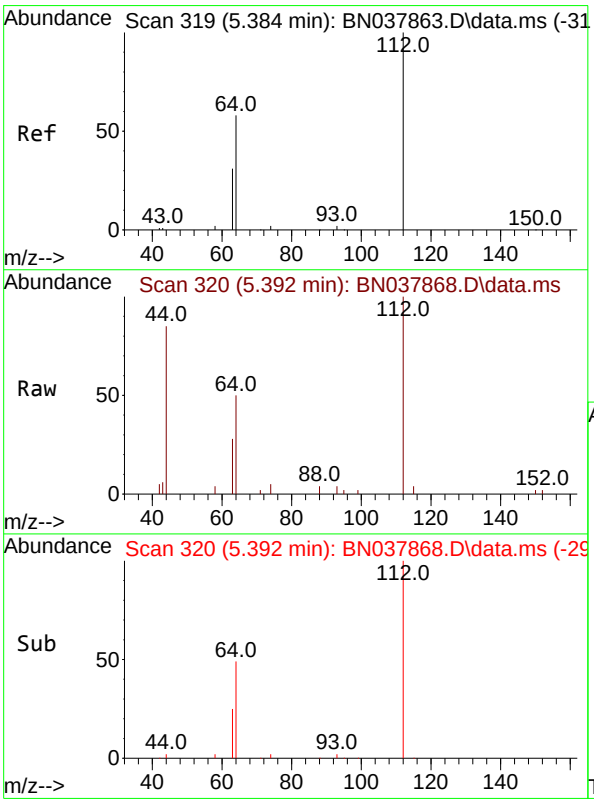
#3
n-Nitrosodimethylamine
Concen: 0.408 ng
RT: 3.600 min Scan# 7
Delta R.T. -0.000 min
Lab File: BN037868.D
Acq: 23 Sep 2025 16:28

Instrument :
BNA_N
ClientSampleId :
ICVBN092325

Tgt Ion: 42 Resp: 3070

Ion	Ratio	Lower	Upper
42	100		
74	121.8	93.4	140.0
44	9.2	22.2	33.4#

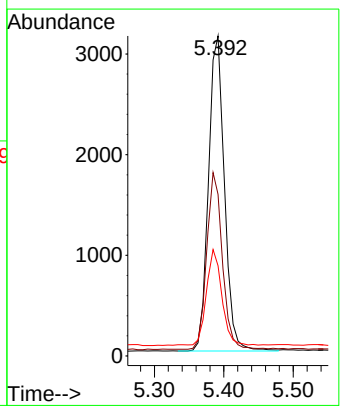


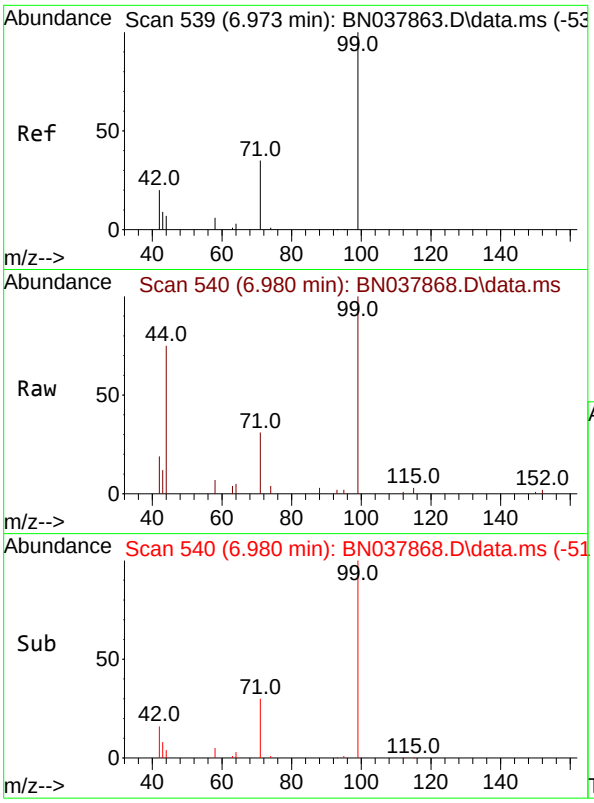


#4
2-Fluorophenol
Concen: 0.394 ng
RT: 5.392 min Scan# 320
Delta R.T. 0.007 min
Lab File: BN037868.D
Acq: 23 Sep 2025 16:28

Tgt Ion:112 Resp: 5005

Ion	Ratio	Lower	Upper
112	100		
64	54.6	44.6	66.8
63	29.8	24.9	37.3



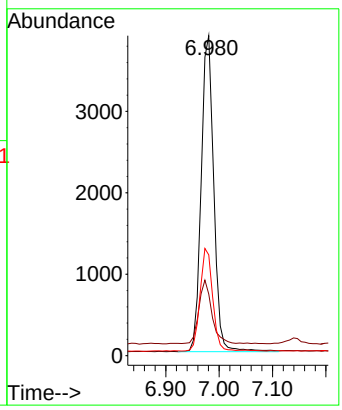


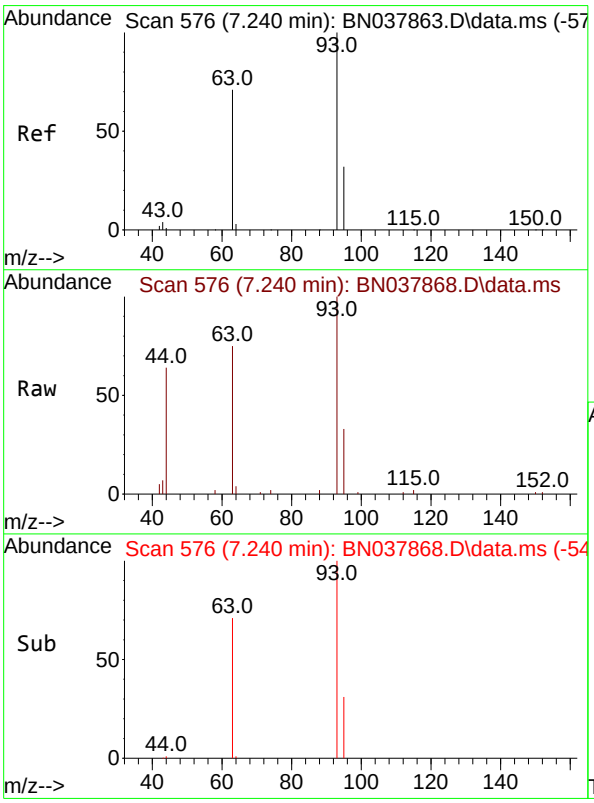
#5
Phenol-d6
Concen: 0.382 ng
RT: 6.980 min Scan# 54
Delta R.T. 0.007 min
Lab File: BN037868.D
Acq: 23 Sep 2025 16:28

Instrument :
BNA_N
ClientSampleId :
ICVBN092325

Tgt Ion: 99 Resp: 6375

Ion	Ratio	Lower	Upper
99	100		
42	20.3	17.2	25.8
71	32.5	27.3	40.9

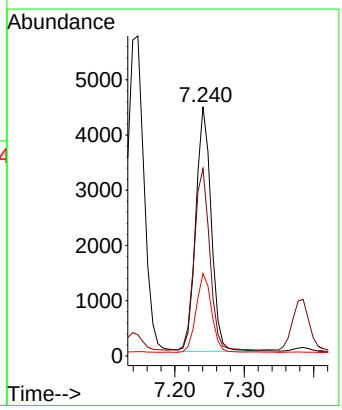


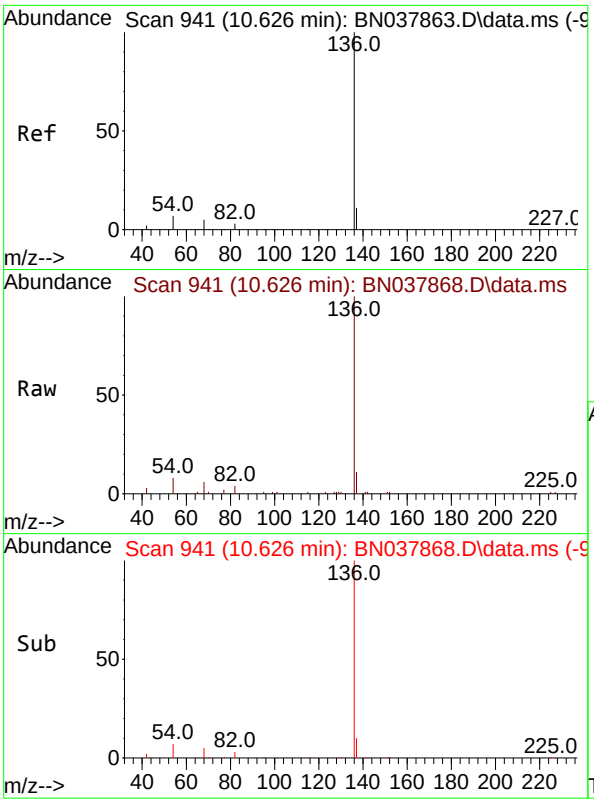


#6
bis(2-Chloroethyl)ether
Concen: 0.440 ng
RT: 7.240 min Scan# 576
Delta R.T. -0.000 min
Lab File: BN037868.D
Acq: 23 Sep 2025 16:28

Tgt Ion: 93 Resp: 6823

Ion	Ratio	Lower	Upper
93	100		
63	74.7	60.1	90.1
95	32.3	25.4	38.2



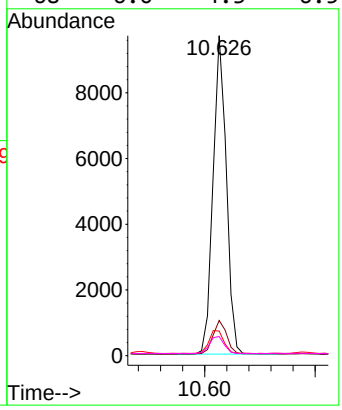


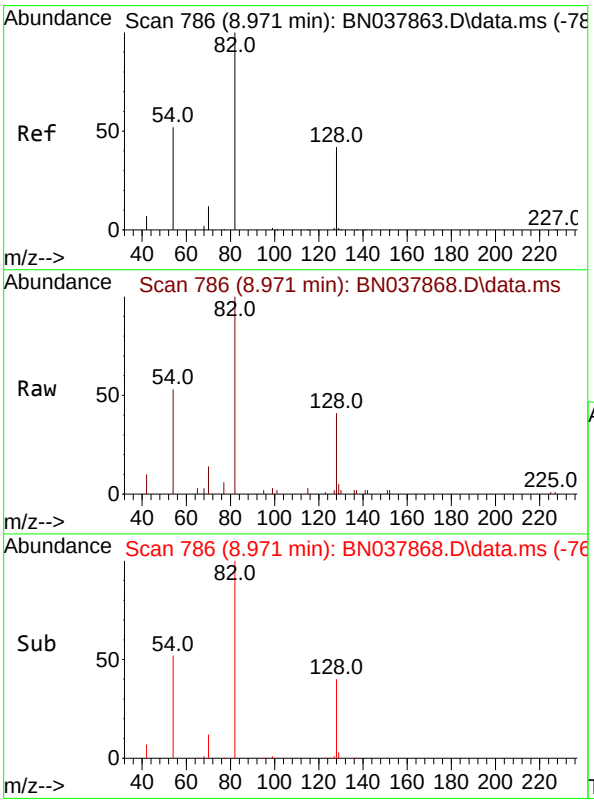
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.626 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN037868.D
Acq: 23 Sep 2025 16:28

Instrument :
BNA_N
ClientSampleId :
ICVBN092325

Tgt Ion:136 Resp: 16158

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	7.7	5.8	8.8
68	6.0	4.3	6.5

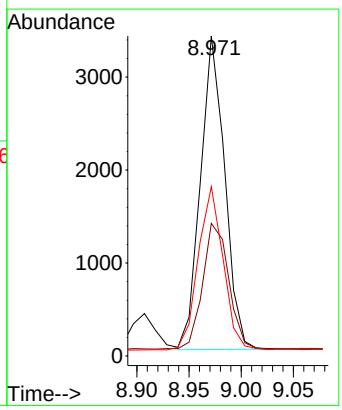


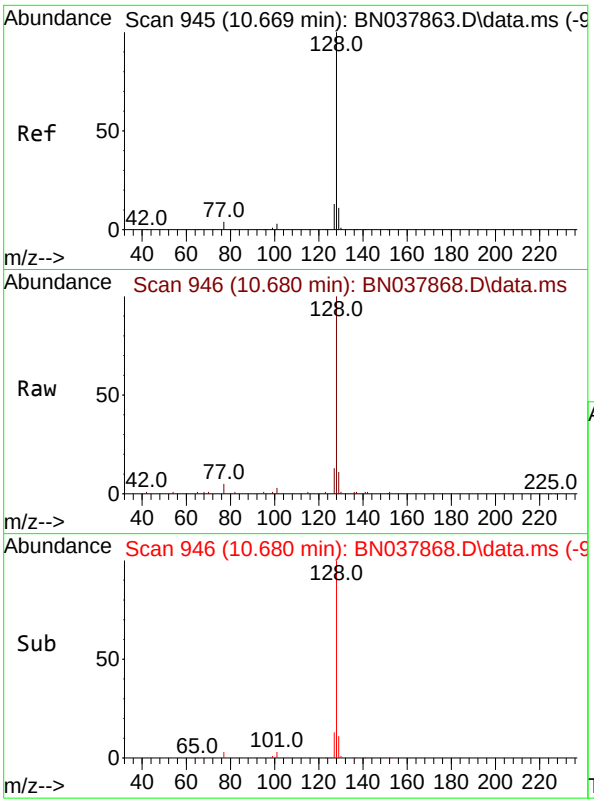


#8
Nitrobenzene-d5
Concen: 0.442 ng
RT: 8.971 min Scan# 786
Delta R.T. -0.000 min
Lab File: BN037868.D
Acq: 23 Sep 2025 16:28

Tgt Ion: 82 Resp: 5453

Ion	Ratio	Lower	Upper
82	100		
128	41.4	34.8	52.2
54	52.9	42.2	63.2



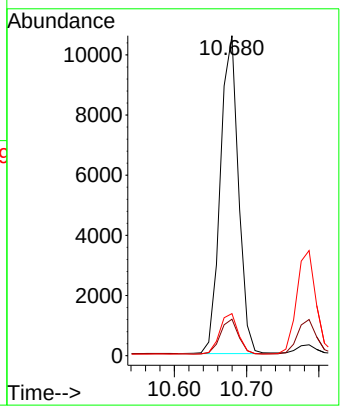


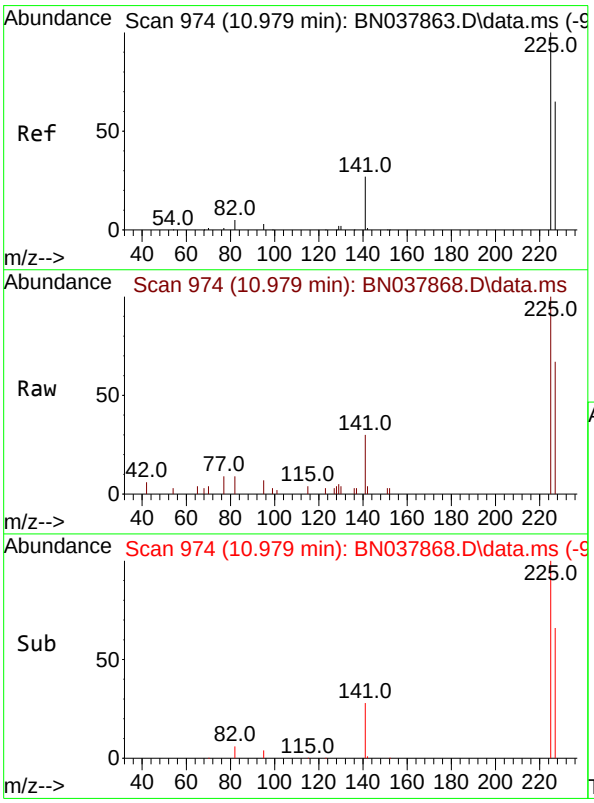
#9
Naphthalene
Concen: 0.413 ng
RT: 10.680 min Scan# 94
Delta R.T. 0.011 min
Lab File: BN037868.D
Acq: 23 Sep 2025 16:28

Instrument :
BNA_N
ClientSampleId :
ICVBN092325

Tgt Ion:128 Resp: 18392

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.2	13.8
127	13.1	11.0	16.6

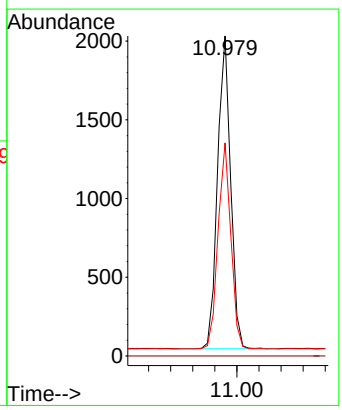


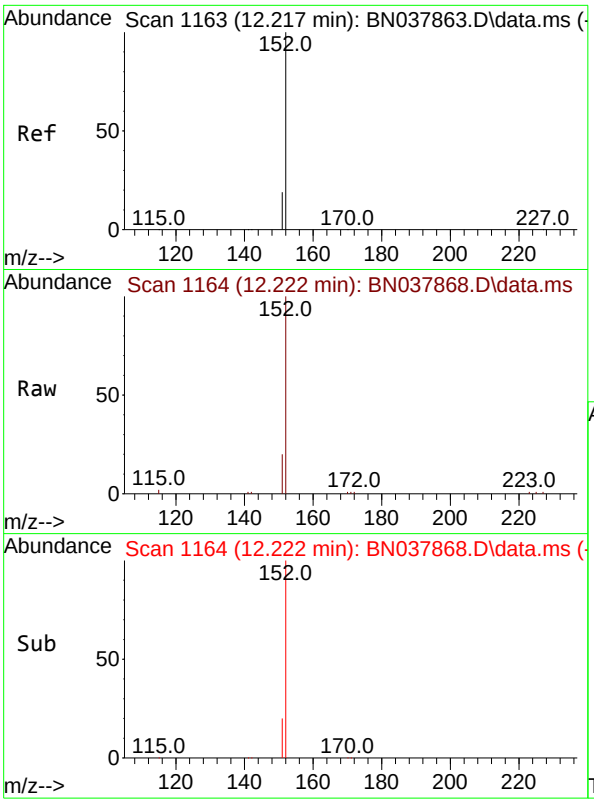


#10
Hexachlorobutadiene
Concen: 0.428 ng
RT: 10.979 min Scan# 974
Delta R.T. -0.000 min
Lab File: BN037868.D
Acq: 23 Sep 2025 16:28

Tgt Ion:225 Resp: 3253

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.5	51.4	77.2



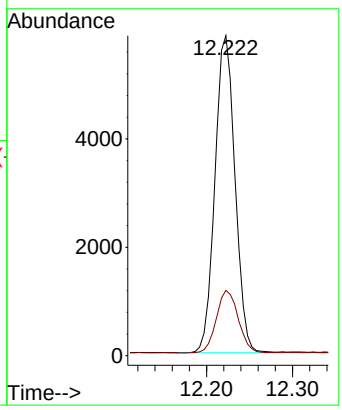


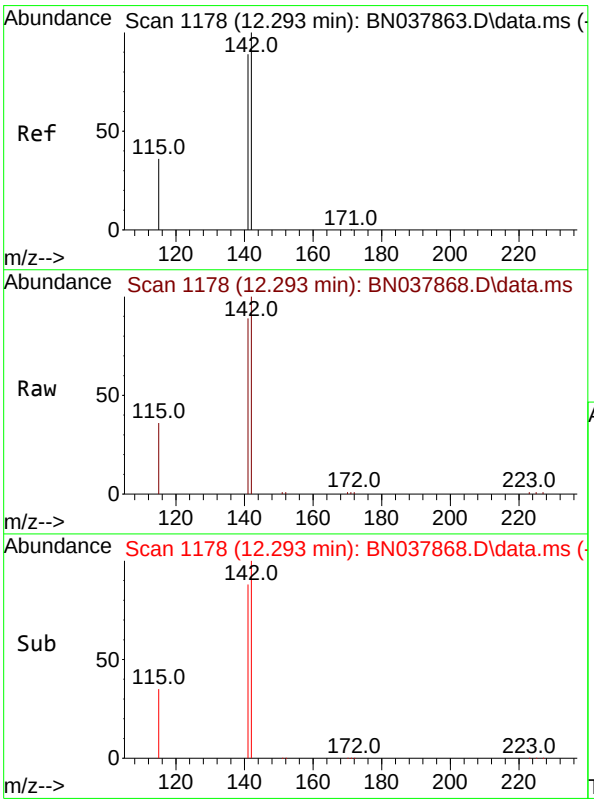
#11
2-Methylnaphthalene-d10
Concen: 0.423 ng
RT: 12.222 min Scan# 11
Delta R.T. 0.005 min
Lab File: BN037868.D
Acq: 23 Sep 2025 16:28

Instrument :
BNA_N
ClientSampleId :
ICVBN092325

Tgt Ion:152 Resp: 9492

Ion	Ratio	Lower	Upper
152	100		
151	21.7	17.4	26.2

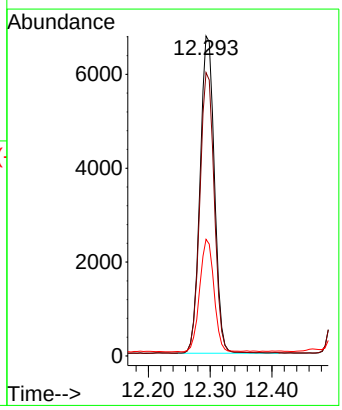


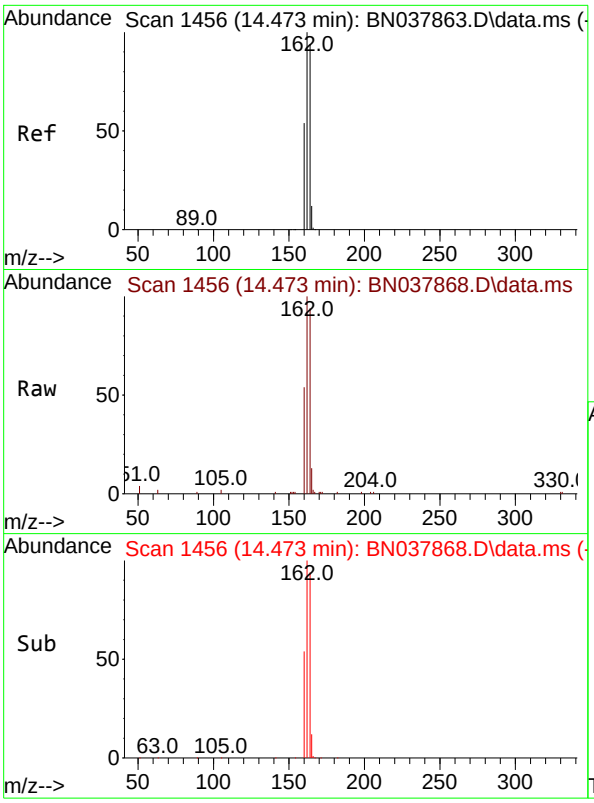


#12
2-Methylnaphthalene
Concen: 0.375 ng
RT: 12.293 min Scan# 1178
Delta R.T. -0.000 min
Lab File: BN037868.D
Acq: 23 Sep 2025 16:28

Tgt Ion:142 Resp: 10904

Ion	Ratio	Lower	Upper
142	100		
141	88.6	71.2	106.8
115	36.5	29.7	44.5



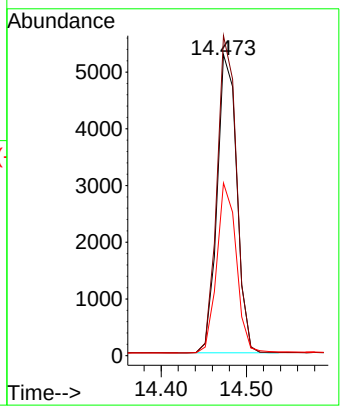


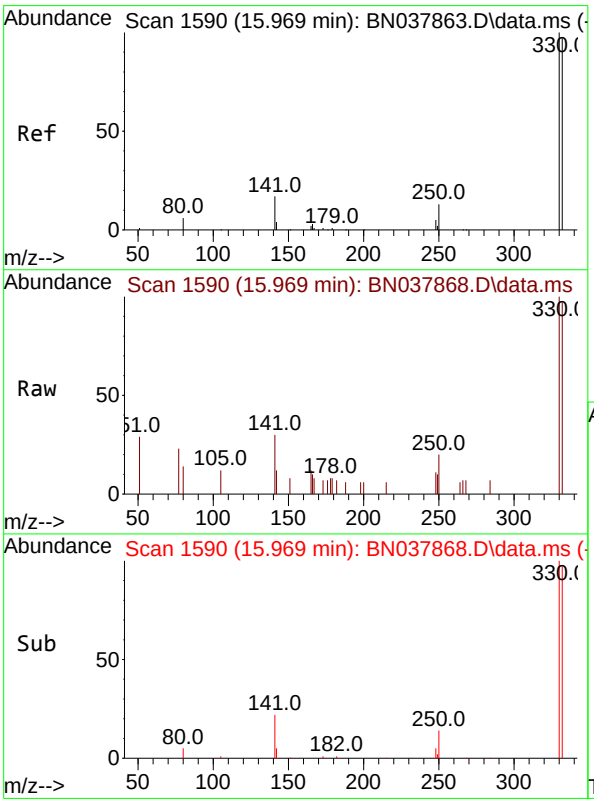
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.473 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN037868.D
Acq: 23 Sep 2025 16:28

Instrument :
BNA_N
ClientSampleId :
ICVBN092325

Tgt Ion:164 Resp: 8429

Ion	Ratio	Lower	Upper
164	100		
162	106.3	84.8	127.2
160	57.3	46.1	69.1

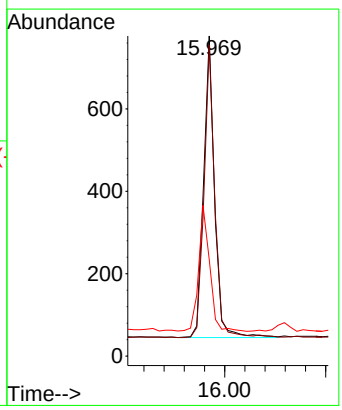


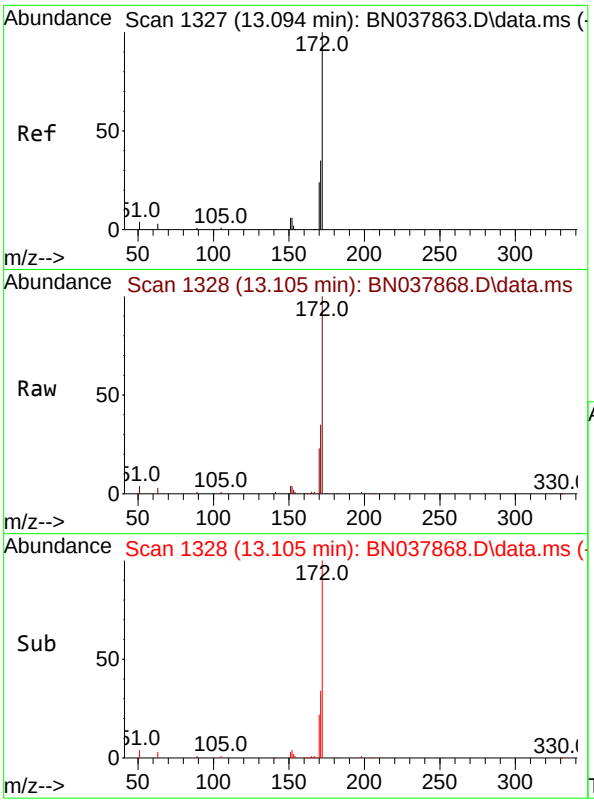


#14
2,4,6-Tribromophenol
Concen: 0.346 ng
RT: 15.969 min Scan# 1590
Delta R.T. 0.000 min
Lab File: BN037868.D
Acq: 23 Sep 2025 16:28

Tgt Ion:330 Resp: 1107

Ion	Ratio	Lower	Upper
330	100		
332	94.1	77.2	115.8
141	42.0	37.2	55.8



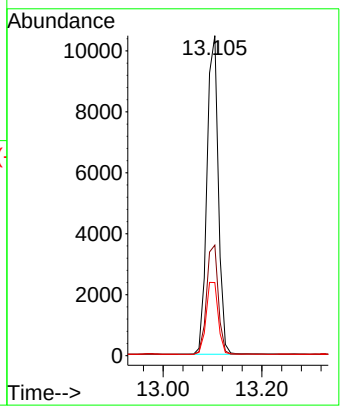


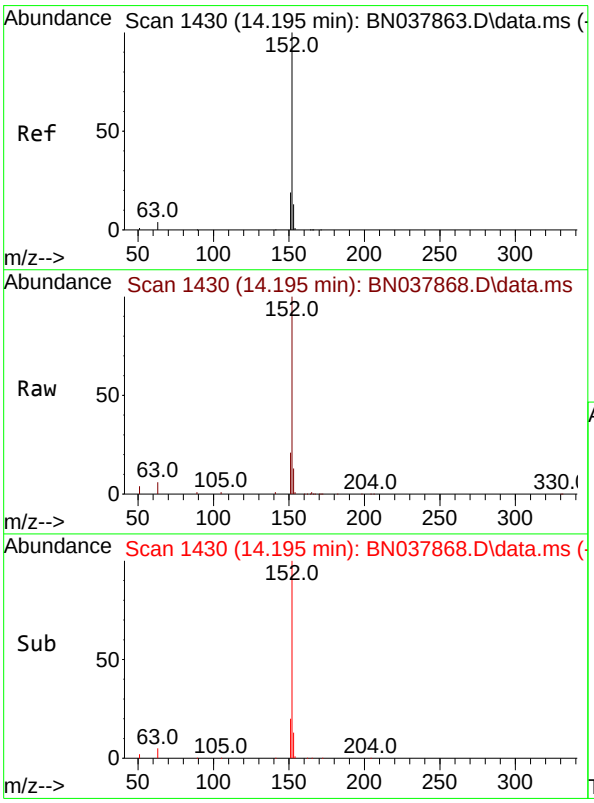
#15
2-Fluorobiphenyl
Concen: 0.485 ng
RT: 13.105 min Scan# 1
Delta R.T. 0.011 min
Lab File: BN037868.D
Acq: 23 Sep 2025 16:28

Instrument :
BNA_N
ClientSampleId :
ICVBN092325

Tgt Ion:172 Resp: 16723

Ion	Ratio	Lower	Upper
172	100		
171	34.6	28.6	43.0
170	22.9	19.7	29.5

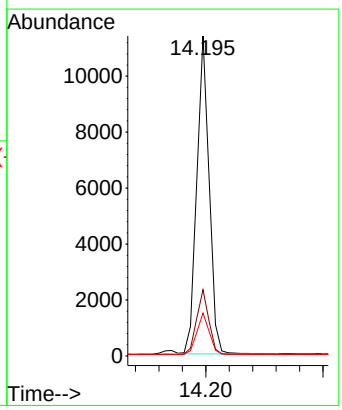


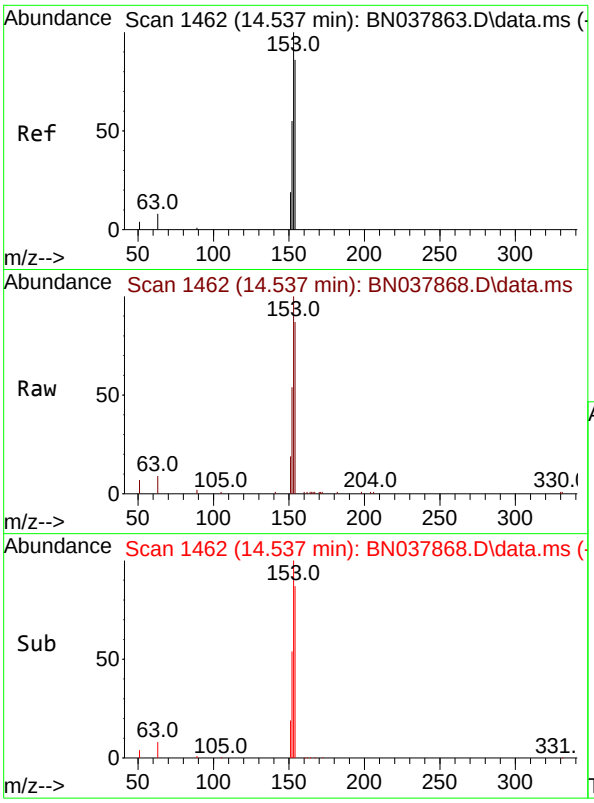


#16
Acenaphthylene
Concen: 0.437 ng
RT: 14.195 min Scan# 1430
Delta R.T. -0.000 min
Lab File: BN037868.D
Acq: 23 Sep 2025 16:28

Tgt Ion:152 Resp: 16721

Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.8	23.8
153	13.0	10.5	15.7



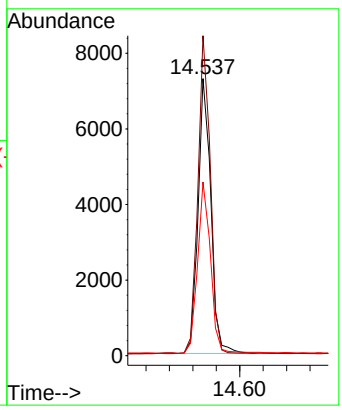


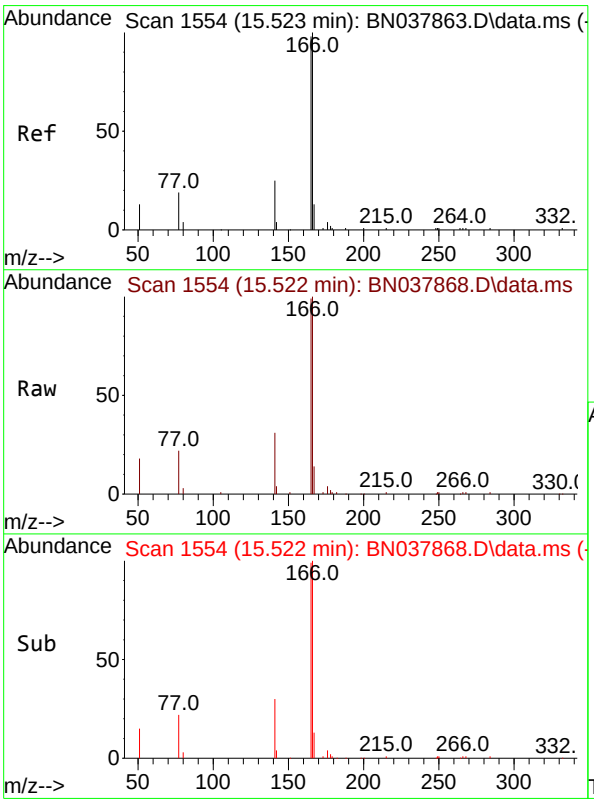
#17
Acenaphthene
Concen: 0.406 ng
RT: 14.537 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN037868.D
Acq: 23 Sep 2025 16:28

Instrument :
BNA_N
ClientSampleId :
ICVBN092325

Tgt Ion:154 Resp: 11059

Ion	Ratio	Lower	Upper
154	100		
153	112.6	90.5	135.7
152	63.5	51.8	77.8

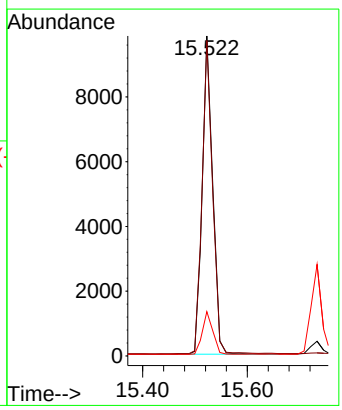


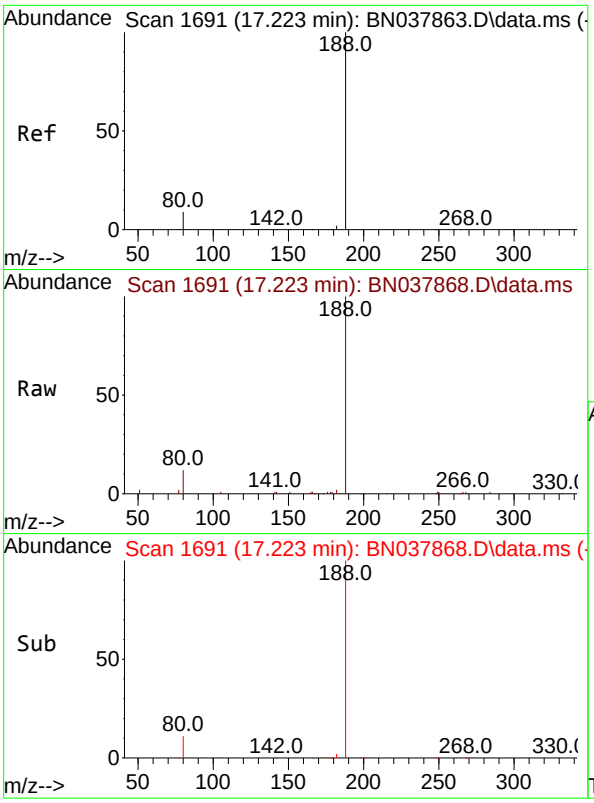


#18
Fluorene
Concen: 0.404 ng
RT: 15.522 min Scan# 1554
Delta R.T. -0.000 min
Lab File: BN037868.D
Acq: 23 Sep 2025 16:28

Tgt Ion:166 Resp: 13327

Ion	Ratio	Lower	Upper
166	100		
165	95.9	79.0	118.4
167	13.7	10.6	16.0



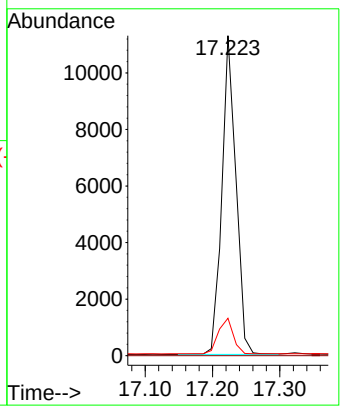


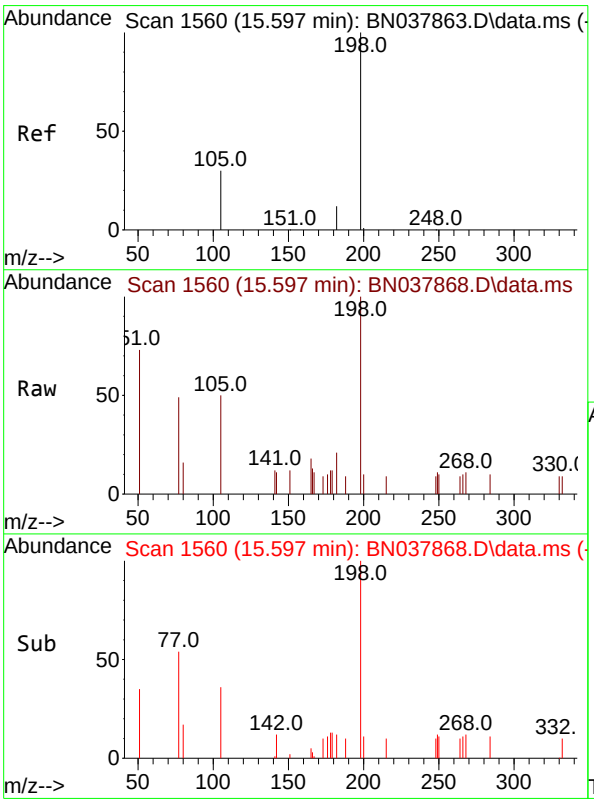
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.223 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037868.D
Acq: 23 Sep 2025 16:28

Instrument :
BNA_N
ClientSampleId :
ICVBN092325

Tgt Ion:188 Resp: 16279

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.7	7.6	11.4#

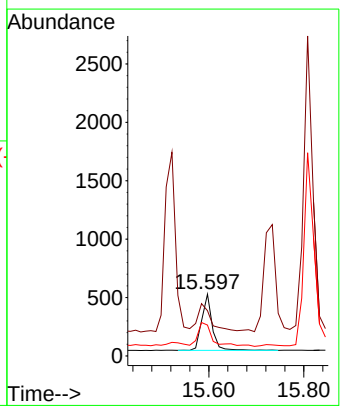


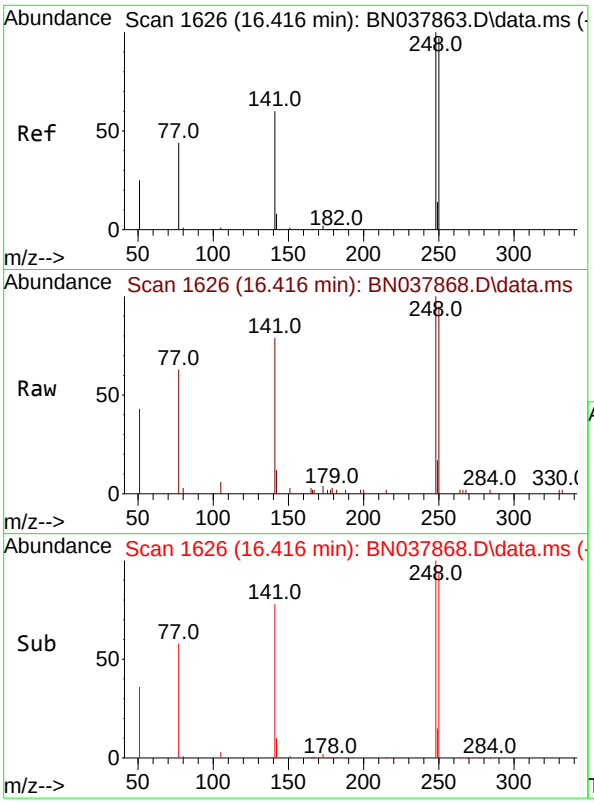


#20
4,6-Dinitro-2-methylphenol
Concen: 0.418 ng
RT: 15.597 min Scan# 1560
Delta R.T. -0.000 min
Lab File: BN037868.D
Acq: 23 Sep 2025 16:28

Tgt Ion:198 Resp: 737

Ion	Ratio	Lower	Upper
198	100		
51	73.3	59.1	88.7
105	49.9	41.3	61.9



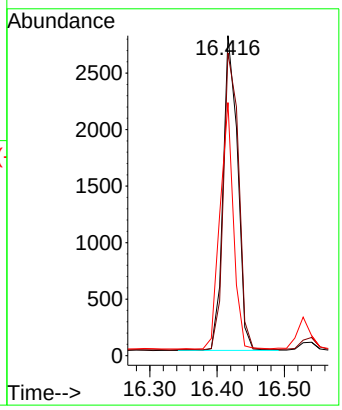


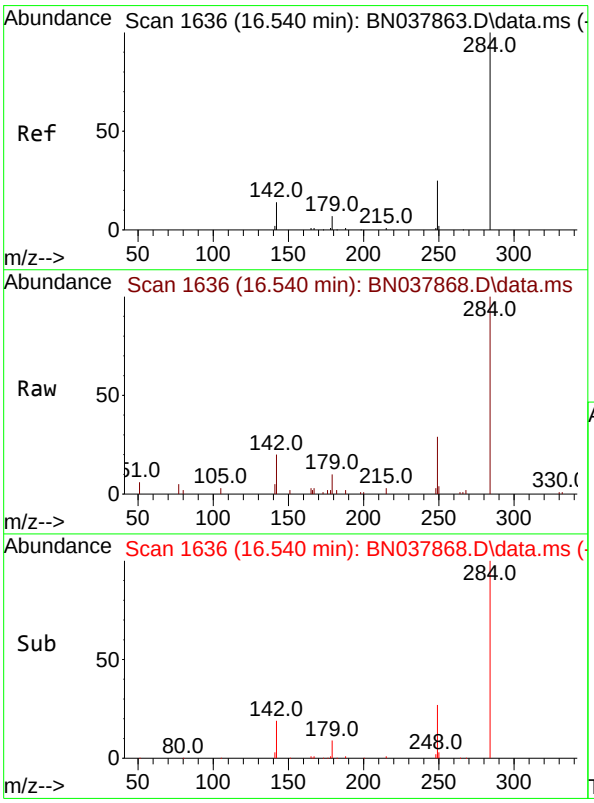
#21
4-Bromophenyl-phenylether
Concen: 0.392 ng
RT: 16.416 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN037868.D
Acq: 23 Sep 2025 16:28

Instrument :
BNA_N
ClientSampleId :
ICVBN092325

Tgt Ion:248 Resp: 4157

Ion	Ratio	Lower	Upper
248	100		
250	94.6	77.6	116.4
141	79.1	48.8	73.2#

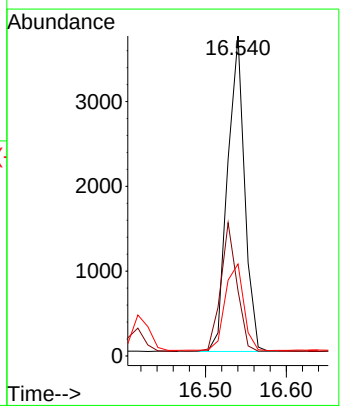


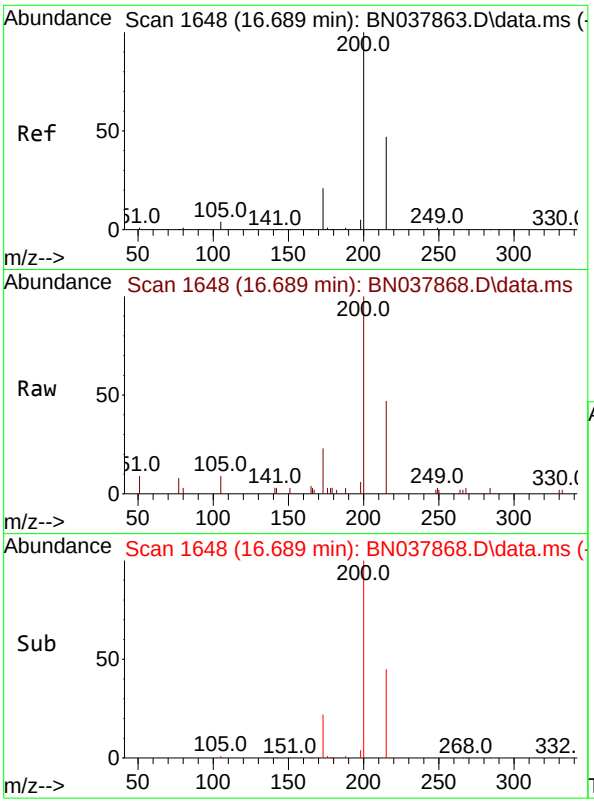


#22
Hexachlorobenzene
Concen: 0.424 ng
RT: 16.540 min Scan# 1636
Delta R.T. -0.000 min
Lab File: BN037868.D
Acq: 23 Sep 2025 16:28

Tgt Ion:284 Resp: 5455

Ion	Ratio	Lower	Upper
284	100		
142	38.9	30.9	46.3
249	30.0	23.9	35.9



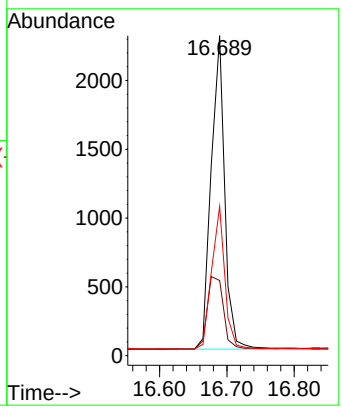


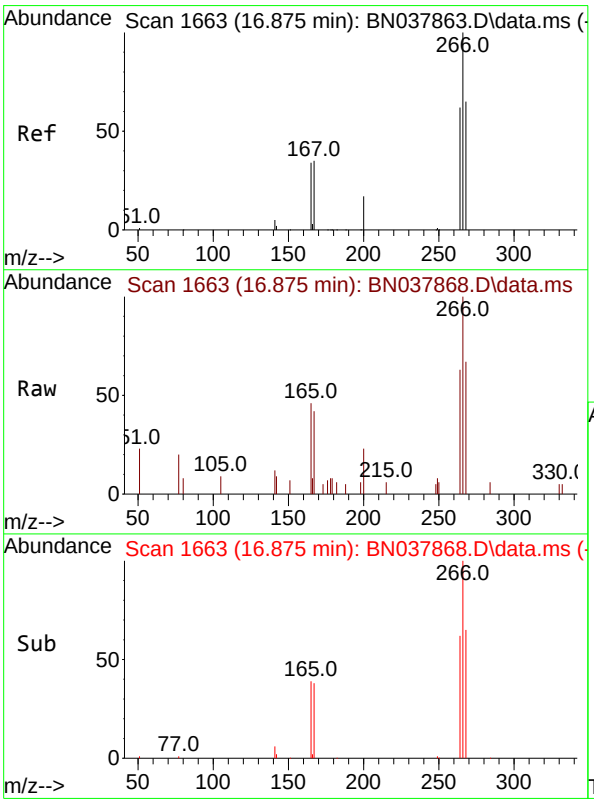
#23
Atrazine
Concen: 0.396 ng
RT: 16.689 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN037868.D
Acq: 23 Sep 2025 16:28

Instrument :
BNA_N
ClientSampleId :
ICVBN092325

Tgt Ion:200 Resp: 3196

Ion	Ratio	Lower	Upper
200	100		
173	23.5	18.3	27.5
215	46.6	38.6	58.0

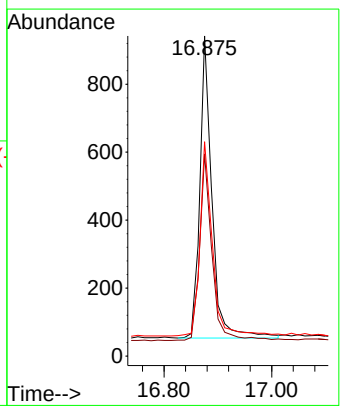


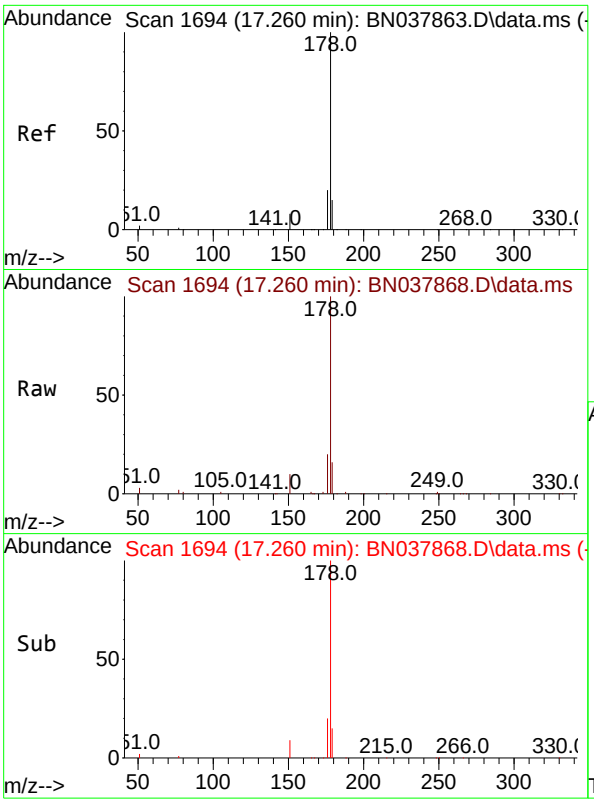


#24
Pentachlorophenol
Concen: 0.316 ng
RT: 16.875 min Scan# 1663
Delta R.T. 0.000 min
Lab File: BN037868.D
Acq: 23 Sep 2025 16:28

Tgt Ion:266 Resp: 1396

Ion	Ratio	Lower	Upper
266	100		
264	63.8	50.9	76.3
268	66.0	54.3	81.5



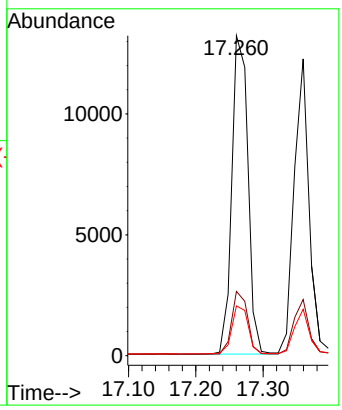


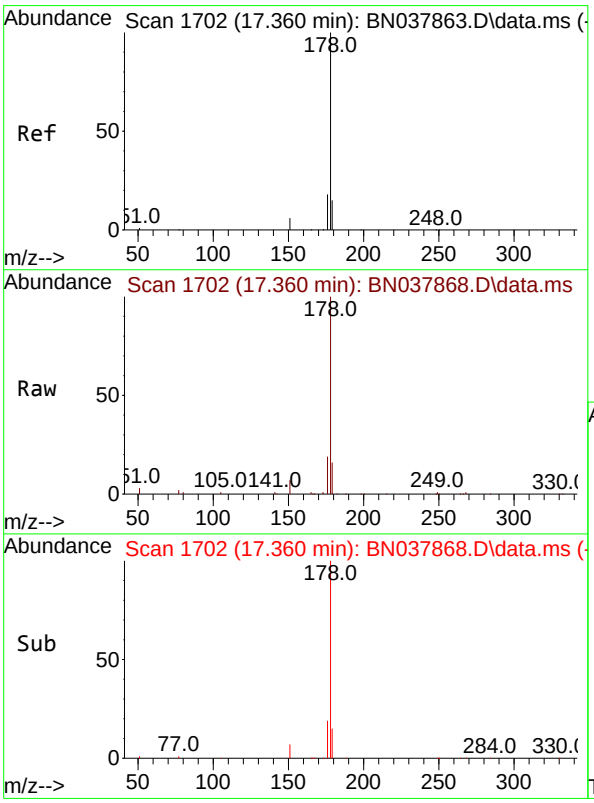
#25
Phenanthrene
Concen: 0.411 ng
RT: 17.260 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN037868.D
Acq: 23 Sep 2025 16:28

Instrument :
BNA_N
ClientSampleId :
ICVBN092325

Tgt Ion:178 Resp: 22020

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.7	23.5
179	15.4	12.3	18.5

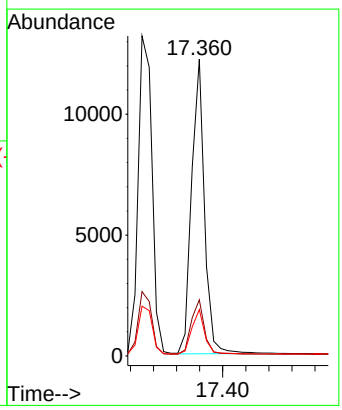


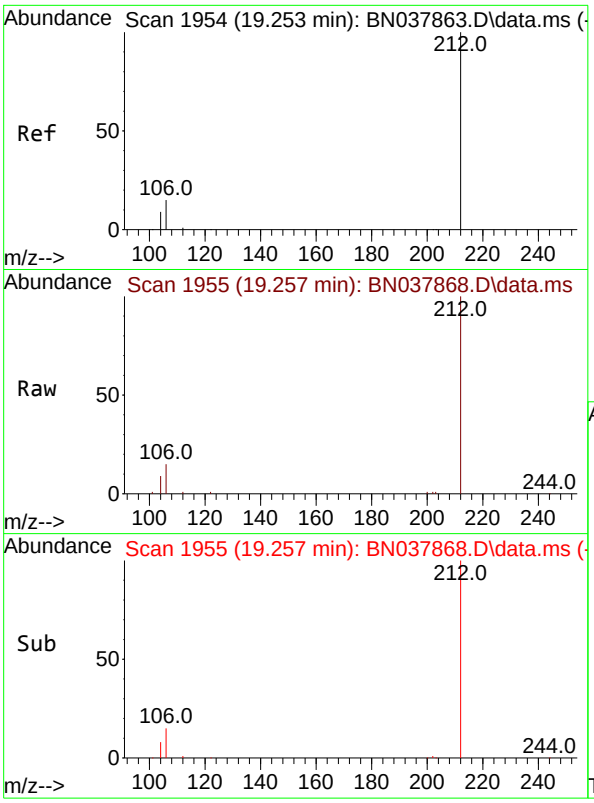


#26
Anthracene
Concen: 0.408 ng
RT: 17.360 min Scan# 1702
Delta R.T. -0.000 min
Lab File: BN037868.D
Acq: 23 Sep 2025 16:28

Tgt Ion:178 Resp: 18967

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.0	22.4
179	15.0	12.3	18.5



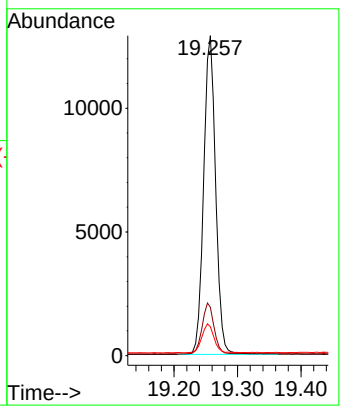


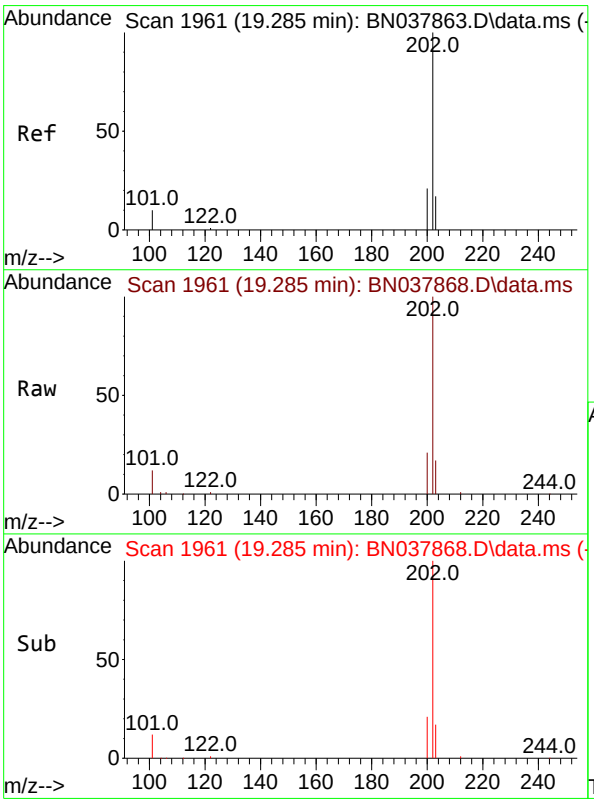
#27
Fluoranthene-d10
Concen: 0.413 ng
RT: 19.257 min Scan# 1
Delta R.T. 0.005 min
Lab File: BN037868.D
Acq: 23 Sep 2025 16:28

Instrument :
BNA_N
ClientSampleId :
ICVBN092325

Tgt Ion:212 Resp: 16910

Ion	Ratio	Lower	Upper
212	100		
106	15.8	12.6	19.0
104	9.1	7.4	11.0

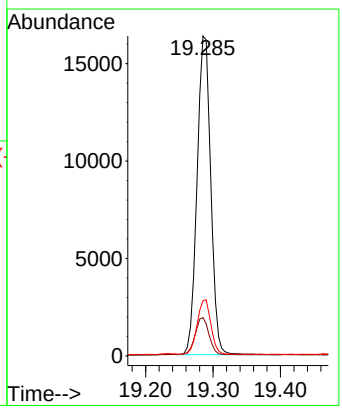


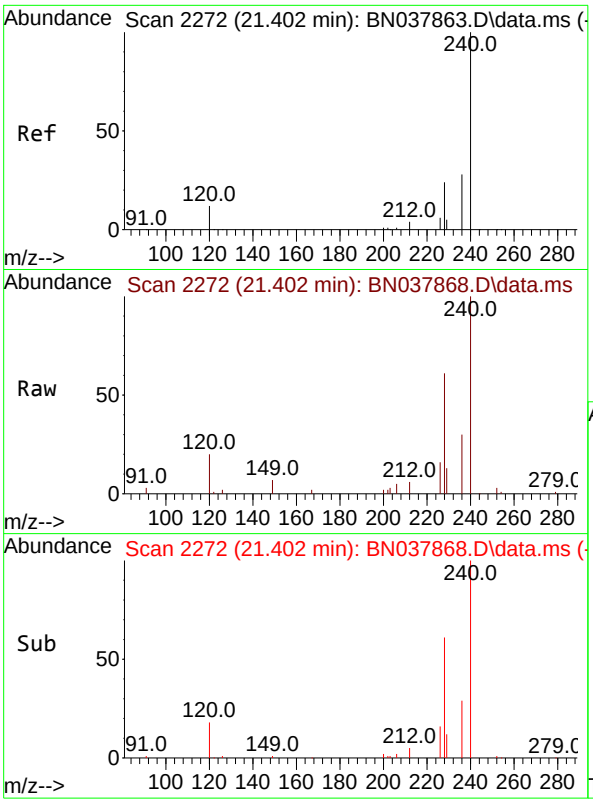


#28
Fluoranthene
Concen: 0.391 ng
RT: 19.285 min Scan# 1961
Delta R.T. -0.000 min
Lab File: BN037868.D
Acq: 23 Sep 2025 16:28

Tgt Ion:202 Resp: 23044

Ion	Ratio	Lower	Upper
202	100		
101	12.0	9.3	13.9
203	17.0	13.6	20.4



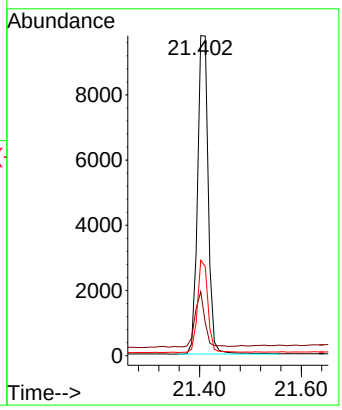


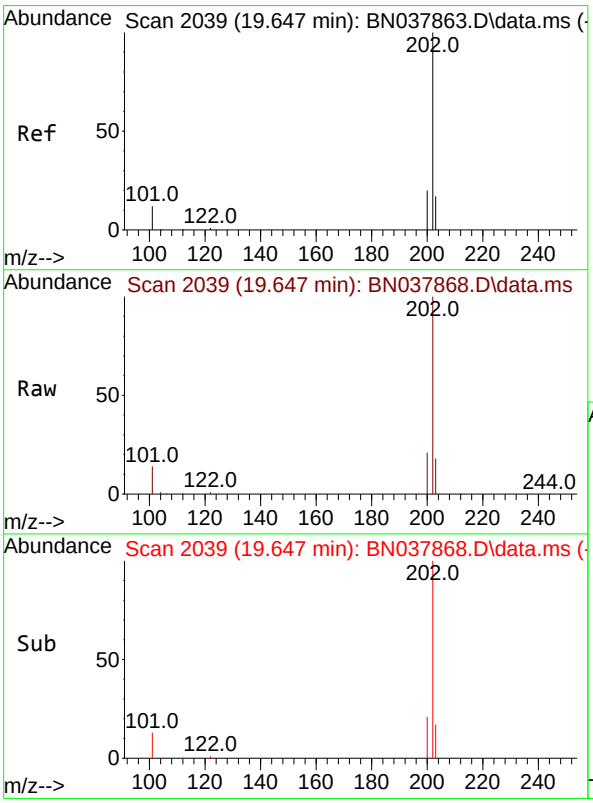
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.402 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037868.D
Acq: 23 Sep 2025 16:28

Instrument :
BNA_N
ClientSampleId :
ICVBN092325

Tgt Ion:240 Resp: 14204

Ion	Ratio	Lower	Upper
240	100		
120	20.0	11.4	17.2#
236	29.8	23.0	34.6

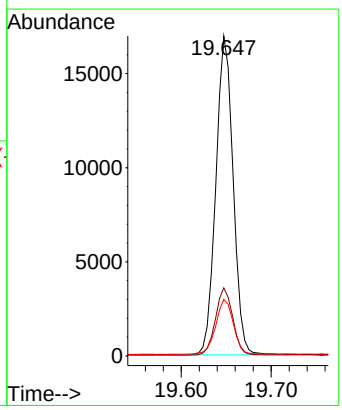


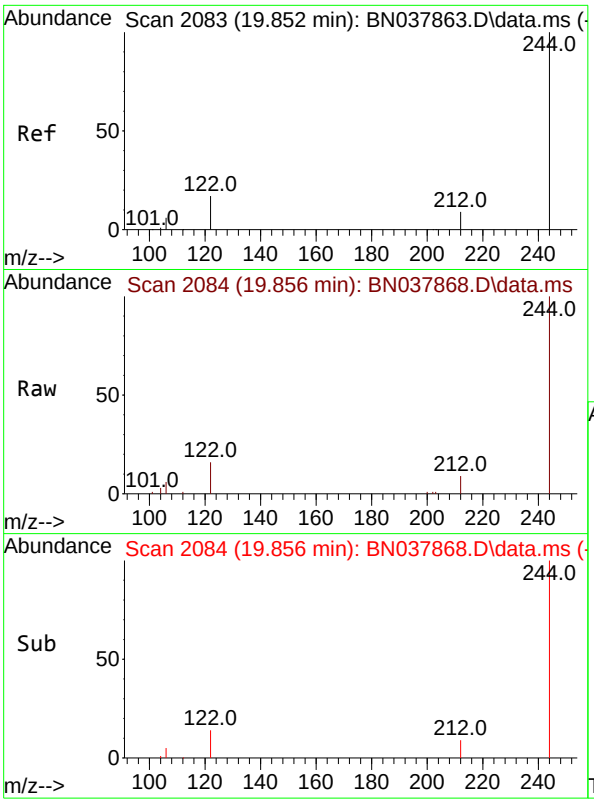


#30
Pyrene
Concen: 0.402 ng
RT: 19.647 min Scan# 2039
Delta R.T. -0.000 min
Lab File: BN037868.D
Acq: 23 Sep 2025 16:28

Tgt Ion:202 Resp: 22563

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.7	25.1
203	17.7	14.2	21.4



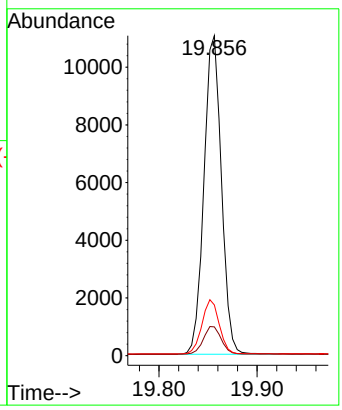


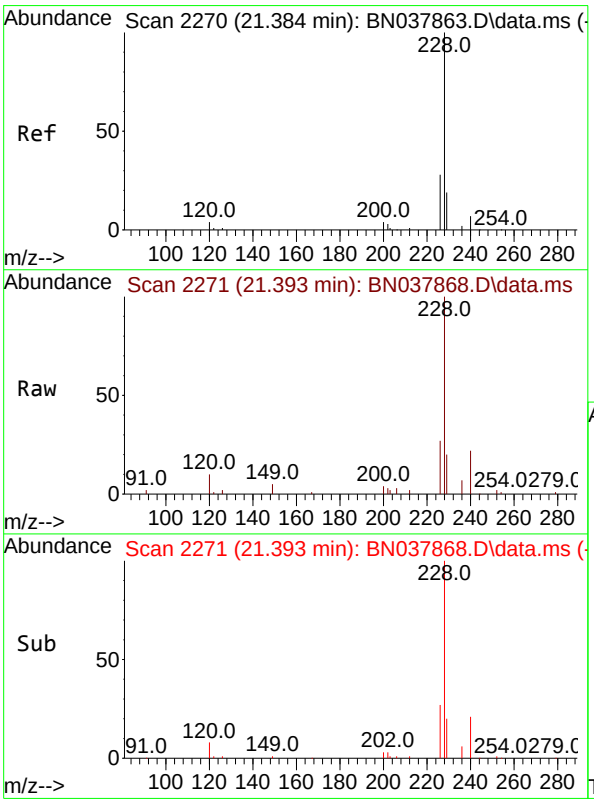
#31
Terphenyl-d14
Concen: 0.482 ng
RT: 19.856 min Scan# 2
Delta R.T. 0.005 min
Lab File: BN037868.D
Acq: 23 Sep 2025 16:28

Instrument :
BNA_N
ClientSampleId :
ICVBN092325

Tgt Ion:244 Resp: 13646

Ion	Ratio	Lower	Upper
244	100		
212	9.0	7.6	11.4
122	15.9	13.9	20.9

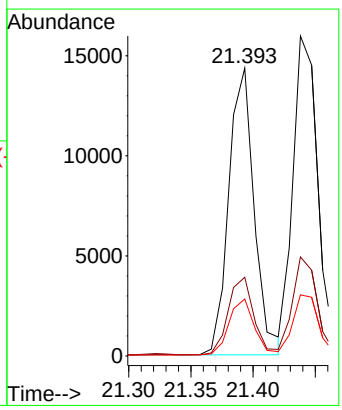


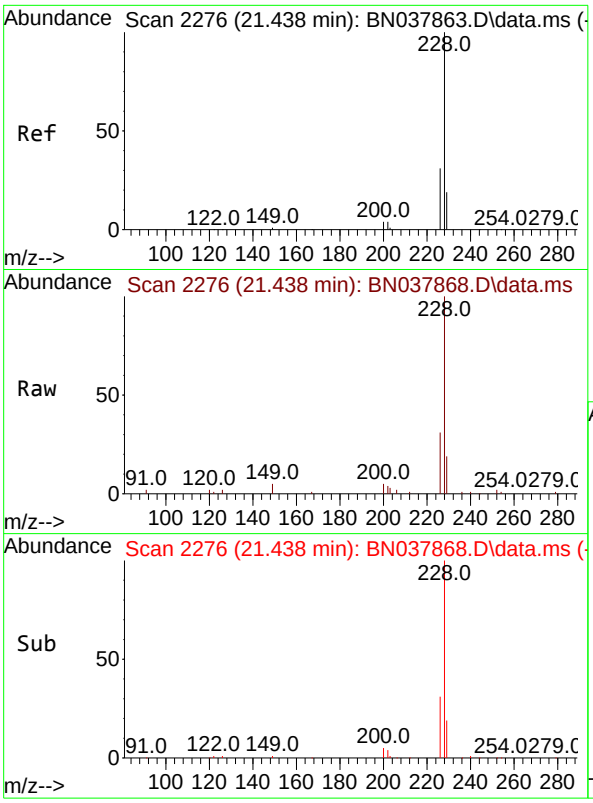


#32
Benzo(a)anthracene
Concen: 0.411 ng
RT: 21.393 min Scan# 2271
Delta R.T. 0.009 min
Lab File: BN037868.D
Acq: 23 Sep 2025 16:28

Tgt Ion:228 Resp: 20398

Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.6	33.8
229	19.8	15.6	23.4



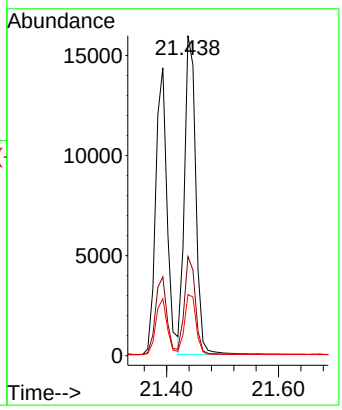


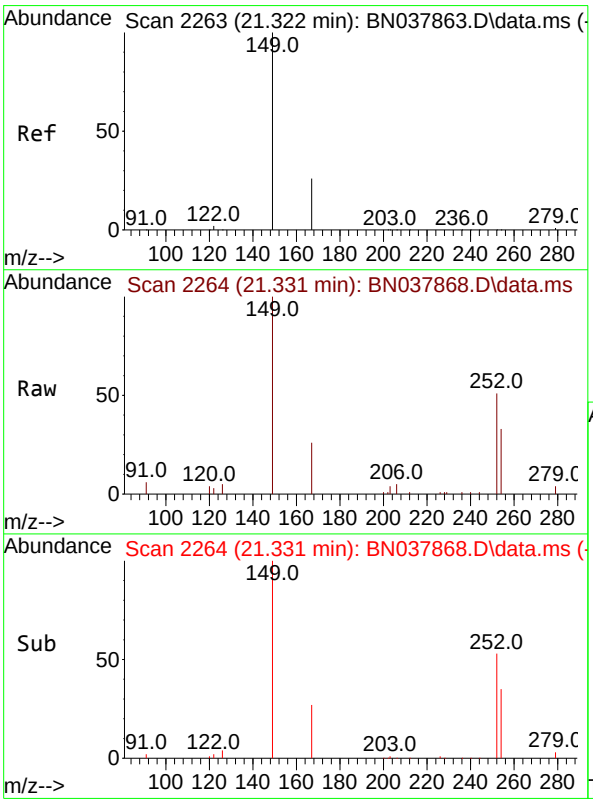
#33
Chrysene
Concen: 0.414 ng
RT: 21.438 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037868.D
Acq: 23 Sep 2025 16:28

Instrument :
BNA_N
ClientSampleId :
ICVBN092325

Tgt Ion:228 Resp: 22204

Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.6	37.0
229	19.1	15.6	23.4

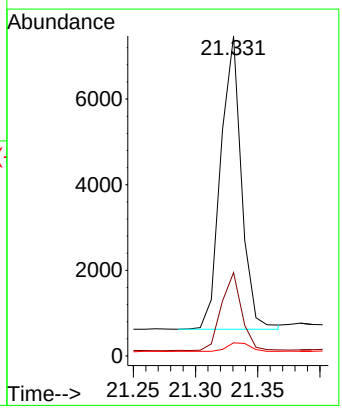


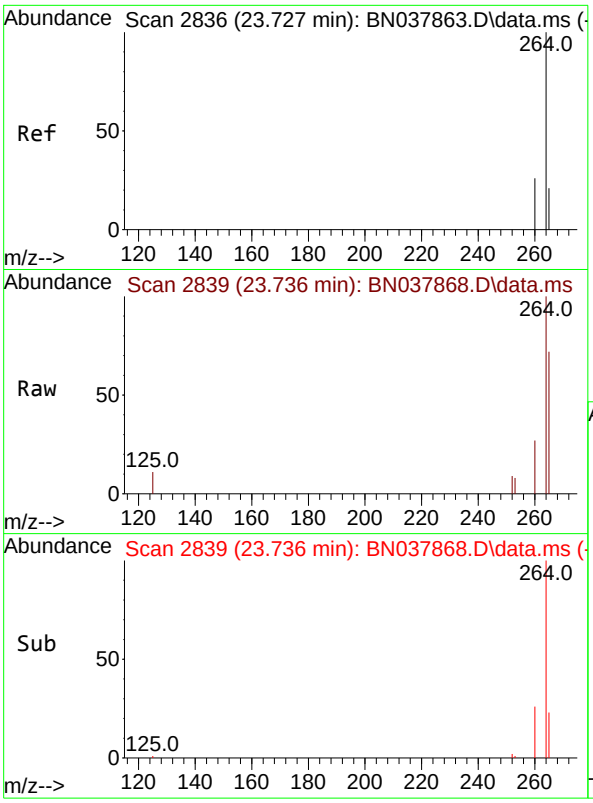


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.404 ng
RT: 21.331 min Scan# 2264
Delta R.T. 0.009 min
Lab File: BN037868.D
Acq: 23 Sep 2025 16:28

Tgt Ion:149 Resp: 7939

Ion	Ratio	Lower	Upper
149	100		
167	26.4	20.4	30.6
279	3.2	2.4	3.6



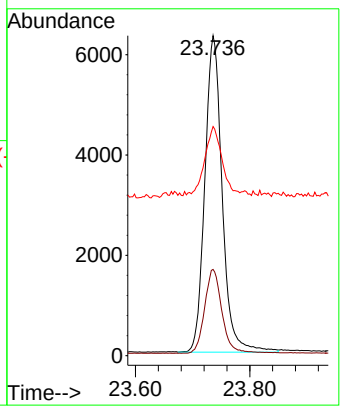


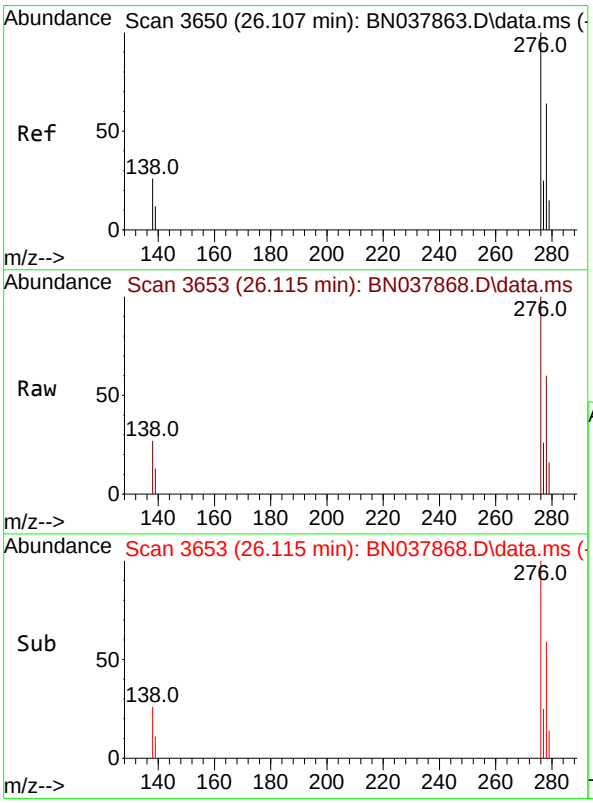
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.736 min Scan# 2
Delta R.T. 0.009 min
Lab File: BN037868.D
Acq: 23 Sep 2025 16:28

Instrument :
BNA_N
ClientSampleId :
ICVBN092325

Tgt Ion:264 Resp: 13265

Ion	Ratio	Lower	Upper
264	100		
260	26.9	21.5	32.3
265	71.6	53.8	80.6

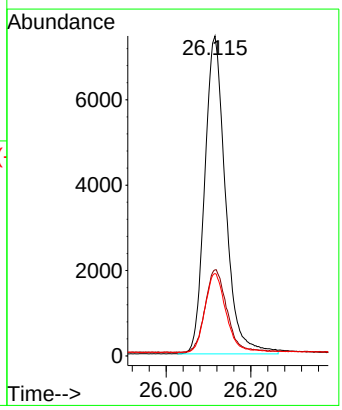


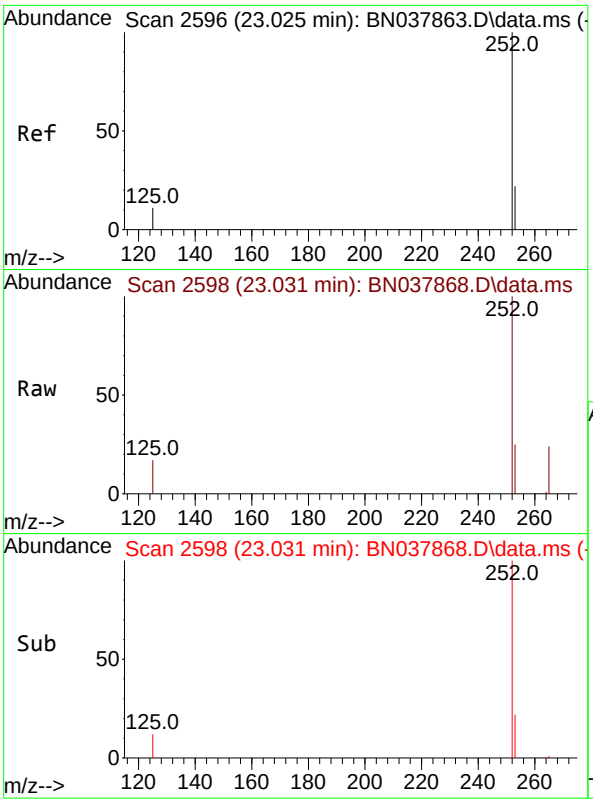


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.418 ng
RT: 26.115 min Scan# 3653
Delta R.T. 0.009 min
Lab File: BN037868.D
Acq: 23 Sep 2025 16:28

Tgt Ion:276 Resp: 25340

Ion	Ratio	Lower	Upper
276	100		
138	27.5	21.4	32.0
277	25.0	20.3	30.5



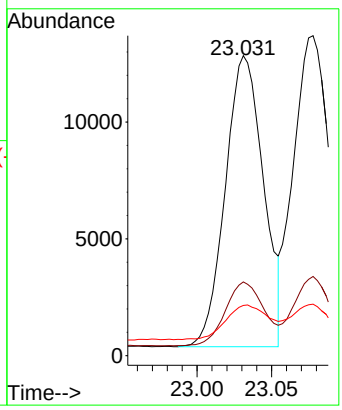


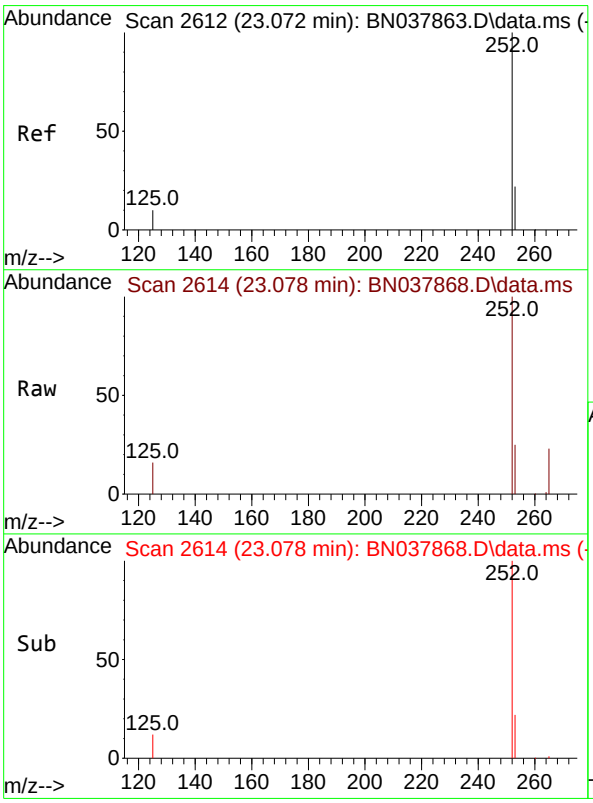
#37
Benzo(b)fluoranthene
Concen: 0.388 ng
RT: 23.031 min Scan# 2
Delta R.T. 0.006 min
Lab File: BN037868.D
Acq: 23 Sep 2025 16:28

Instrument :
BNA_N
ClientSampleId :
ICVBN092325

Tgt Ion:252 Resp: 22193

Ion	Ratio	Lower	Upper
252	100		
253	24.6	19.4	29.0
125	16.8	13.0	19.4

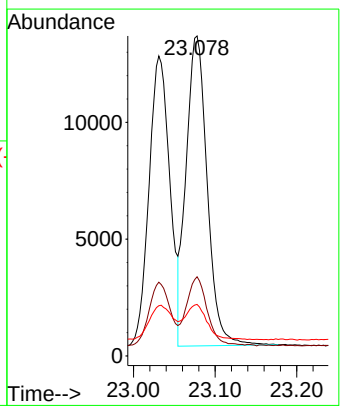


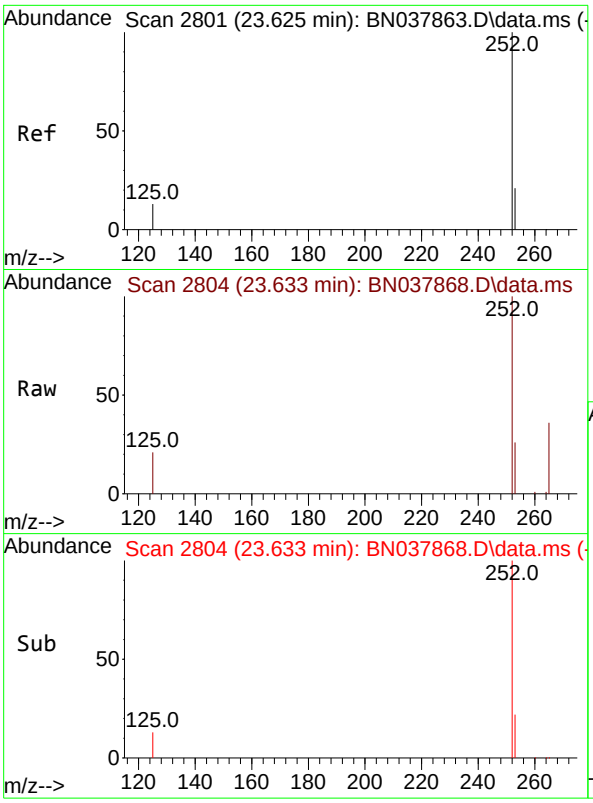


#38
Benzo(k)fluoranthene
Concen: 0.415 ng
RT: 23.078 min Scan# 2614
Delta R.T. 0.006 min
Lab File: BN037868.D
Acq: 23 Sep 2025 16:28

Tgt Ion:252 Resp: 23886

Ion	Ratio	Lower	Upper
252	100		
253	24.7	19.5	29.3
125	16.1	13.0	19.4



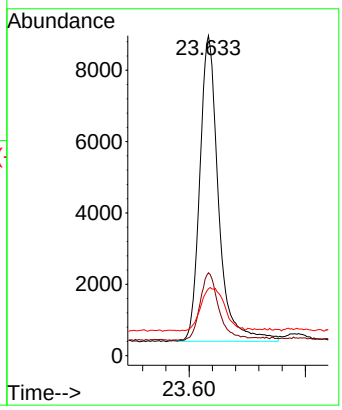


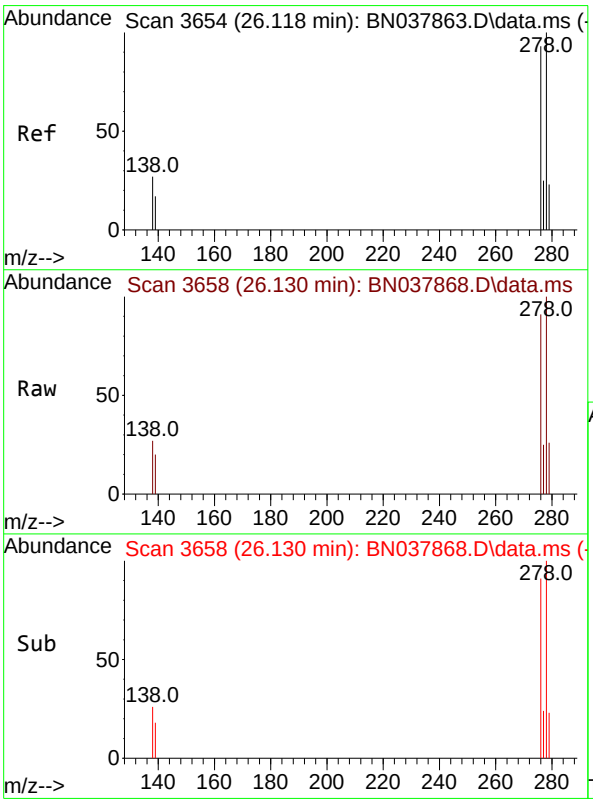
#39
Benzo(a)pyrene
Concen: 0.422 ng
RT: 23.633 min Scan# 2
Delta R.T. 0.009 min
Lab File: BN037868.D
Acq: 23 Sep 2025 16:28

Instrument :
BNA_N
ClientSampleId :
ICVBN092325

Tgt Ion:252 Resp: 19091

Ion	Ratio	Lower	Upper
252	100		
253	25.9	20.6	30.8
125	20.9	16.7	25.1

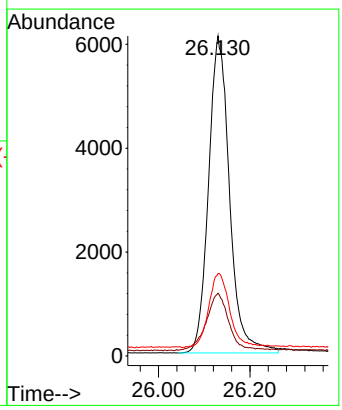


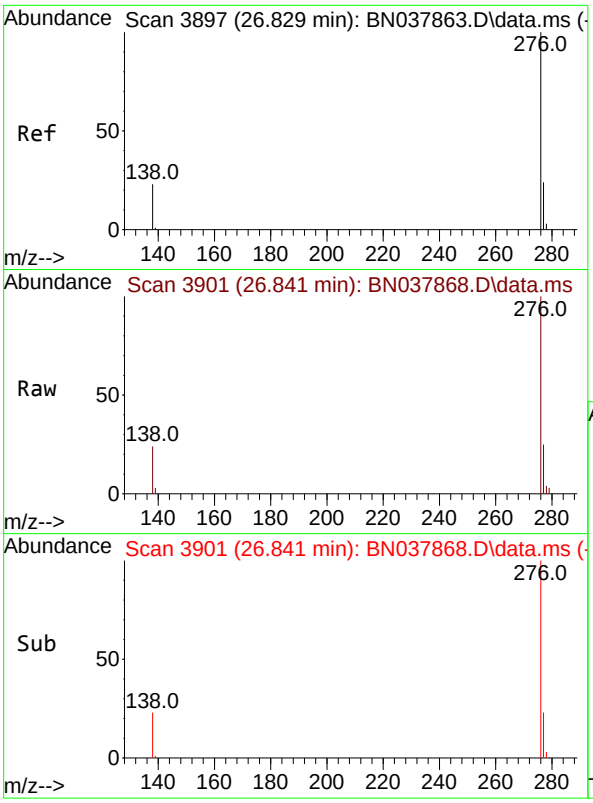


#40
Dibenzo(a,h)anthracene
Concen: 0.411 ng
RT: 26.130 min Scan# 3658
Delta R.T. 0.012 min
Lab File: BN037868.D
Acq: 23 Sep 2025 16:28

Tgt Ion:278 Resp: 19441

Ion	Ratio	Lower	Upper
278	100		
139	19.6	15.4	23.2
279	25.8	20.8	31.2



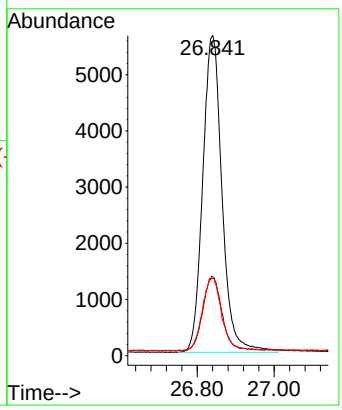


#41
Benzo(g,h,i)perylene
Concen: 0.394 ng
RT: 26.841 min Scan# 3
Delta R.T. 0.012 min
Lab File: BN037868.D
Acq: 23 Sep 2025 16:28

Instrument :
BNA_N
ClientSampleId :
ICVBN092325

Tgt Ion:276 Resp: 19570

Ion	Ratio	Lower	Upper
276	100		
277	24.5	20.2	30.4
138	24.1	19.8	29.8



Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092325\
Data File : BN037868.D
Acq On : 23 Sep 2025 16:28
Operator : RC/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
ICVBN092325

Quant Time: Sep 24 11:02:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 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	100	0.00
2		1,4-Dioxane	0.406	0.484	-19.2	118	0.00
3		n-Nitrosodimethylamine	0.540	0.551	-2.0	106	0.00
4	S	2-Fluorophenol	0.913	0.898	1.6	105	0.00
5	S	Phenol-d6	1.199	1.144	4.6	102	0.00
6		bis(2-Chloroethyl)ether	1.113	1.225	-10.1	113	0.00
7	I	Naphthalene-d8	1.000	1.000	0.0	102	0.00
8	S	Nitrobenzene-d5	0.305	0.337	-10.5	119	0.00
9		Naphthalene	1.102	1.138	-3.3	111	0.01
10		Hexachlorobutadiene	0.188	0.201	-6.9	113	0.00
11	SURR	2-Methylnaphthalene-d10	0.556	0.587	-5.6	121	0.00
12		2-Methylnaphthalene	0.720	0.675	6.2	103	0.00
13	I	Acenaphthene-d10	1.000	1.000	0.0	102	0.00
14	S	2,4,6-Tribromophenol	0.152	0.131	13.8	99	0.00
15	S	2-Fluorobiphenyl	1.638	1.984	-21.1	130	0.01
16		Acenaphthylene	1.816	1.984	-9.3	122	0.00
17		Acenaphthene	1.294	1.312	-1.4	112	0.00
18		Fluorene	1.565	1.581	-1.0	111	0.00
19	I	Phenanthrene-d10	1.000	1.000	0.0	102	0.00
20		4,6-Dinitro-2-methylphenol	0.057	0.045	21.1	106	0.00
21		4-Bromophenyl-phenylether	0.261	0.255	2.3	107	0.00
22		Hexachlorobenzene	0.316	0.335	-6.0	112	0.00
23		Atrazine	0.199	0.196	1.5	117	0.00
24		Pentachlorophenol	0.108	0.086	20.4	95	0.00
25		Phenanthrene	1.316	1.353	-2.8	112	0.00
26		Anthracene	1.142	1.165	-2.0	116	0.00
27	SURR	Fluoranthene-d10	1.006	1.039	-3.3	120	0.00
28		Fluoranthene	1.450	1.416	2.3	110	0.00
29	I	Chrysene-d12	1.000	1.000	0.0	105	0.00
30		Pyrene	1.579	1.588	-0.6	109	0.00
31	S	Terphenyl-d14	0.797	0.961	-20.6	133	0.00
32		Benzo(a)anthracene	1.398	1.436	-2.7	116	0.00
33		Chrysene	1.512	1.563	-3.4	112	0.00
34		Bis(2-ethylhexyl)phthalate	0.553	0.559	-1.1	120	0.00
35	I	Perylene-d12	1.000	1.000	0.0	105	0.00
36		Indeno(1,2,3-cd)pyrene	1.828	1.910	-4.5	121	0.00
37		Benzo(b)fluoranthene	1.725	1.673	3.0	108	0.00
38		Benzo(k)fluoranthene	1.736	1.801	-3.7	119	0.00
39	C	Benzo(a)pyrene	1.364	1.439	-5.5	123	0.00
40		Dibenzo(a,h)anthracene	1.427	1.466	-2.7	119	0.01
41		Benzo(g,h,i)perylene	1.499	1.475	1.6	111	0.01

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

Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092325\
Data File : BN037868.D
Acq On : 23 Sep 2025 16:28
Operator : RC/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
ICVBN092325

Quant Time: Sep 24 11:02:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 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	100	0.00
2		1,4-Dioxane	0.400	0.477	-19.2	118	0.00
3		n-Nitrosodimethylamine	0.400	0.408	-2.0	106	0.00
4	S	2-Fluorophenol	0.400	0.394	1.5	105	0.00
5	S	Phenol-d6	0.400	0.382	4.5	102	0.00
6		bis(2-Chloroethyl)ether	0.400	0.440	-10.0	113	0.00
7	I	Naphthalene-d8	0.400	0.400	0.0	102	0.00
8	S	Nitrobenzene-d5	0.400	0.442	-10.5	119	0.00
9		Naphthalene	0.400	0.413	-3.2	111	0.01
10		Hexachlorobutadiene	0.400	0.428	-7.0	113	0.00
11	SURR	2-Methylnaphthalene-d10	0.400	0.423	-5.7	121	0.00
12		2-Methylnaphthalene	0.400	0.375	6.3	103	0.00
13	I	Acenaphthene-d10	0.400	0.400	0.0	102	0.00
14	S	2,4,6-Tribromophenol	0.400	0.346	13.5	99	0.00
15	S	2-Fluorobiphenyl	0.400	0.485	-21.2	130	0.01
16		Acenaphthylene	0.400	0.437	-9.2	122	0.00
17		Acenaphthene	0.400	0.406	-1.5	112	0.00
18		Fluorene	0.400	0.404	-1.0	111	0.00
19	I	Phenanthrene-d10	0.400	0.400	0.0	102	0.00
20		4,6-Dinitro-2-methylphenol	0.400	0.418	-4.5	106	0.00
21		4-Bromophenyl-phenylether	0.400	0.392	2.0	107	0.00
22		Hexachlorobenzene	0.400	0.424	-6.0	112	0.00
23		Atrazine	0.400	0.396	1.0	117	0.00
24		Pentachlorophenol	0.400	0.316	21.0	95	0.00
25		Phenanthrene	0.400	0.411	-2.7	112	0.00
26		Anthracene	0.400	0.408	-2.0	116	0.00
27	SURR	Fluoranthene-d10	0.400	0.413	-3.2	120	0.00
28		Fluoranthene	0.400	0.391	2.3	110	0.00
29	I	Chrysene-d12	0.400	0.400	0.0	105	0.00
30		Pyrene	0.400	0.402	-0.5	109	0.00
31	S	Terphenyl-d14	0.400	0.482	-20.5	133	0.00
32		Benzo(a)anthracene	0.400	0.411	-2.7	116	0.00
33		Chrysene	0.400	0.414	-3.5	112	0.00
34		Bis(2-ethylhexyl)phthalate	0.400	0.404	-1.0	120	0.00
35	I	Perylene-d12	0.400	0.400	0.0	105	0.00
36		Indeno(1,2,3-cd)pyrene	0.400	0.418	-4.5	121	0.00
37		Benzo(b)fluoranthene	0.400	0.388	3.0	108	0.00
38		Benzo(k)fluoranthene	0.400	0.415	-3.7	119	0.00
39	C	Benzo(a)pyrene	0.400	0.422	-5.5	123	0.00
40		Dibenzo(a,h)anthracene	0.400	0.411	-2.7	119	0.01
41		Benzo(g,h,i)perylene	0.400	0.394	1.5	111	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.: Q3156

Instrument ID: BNA_N Calibration Date/Time: 09/25/2025 11:31

Lab File ID: BN037883.D Init. Calib. Date(s): 09/23/2025 09/23/2025

EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 12:13 15:51

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.556	0.515		-7.4	20.0
Fluoranthene-d10	1.006	0.915		-9.0	20.0
2-Fluorophenol	0.913	0.967		5.9	20.0
Phenol-d6	1.199	1.243		3.7	20.0
Nitrobenzene-d5	0.305	0.321		5.2	20.0
2-Fluorobiphenyl	1.638	1.650		0.7	20.0
2,4,6-Tribromophenol	0.152	0.143		-5.9	20.0
Terphenyl-d14	0.797	0.754		-5.4	20.0
1,4-Dioxane	0.406	0.421		3.7	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\BN092525\
Data File : BN037883.D
Acq On : 25 Sep 2025 11:31
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Sep 25 13:29:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration

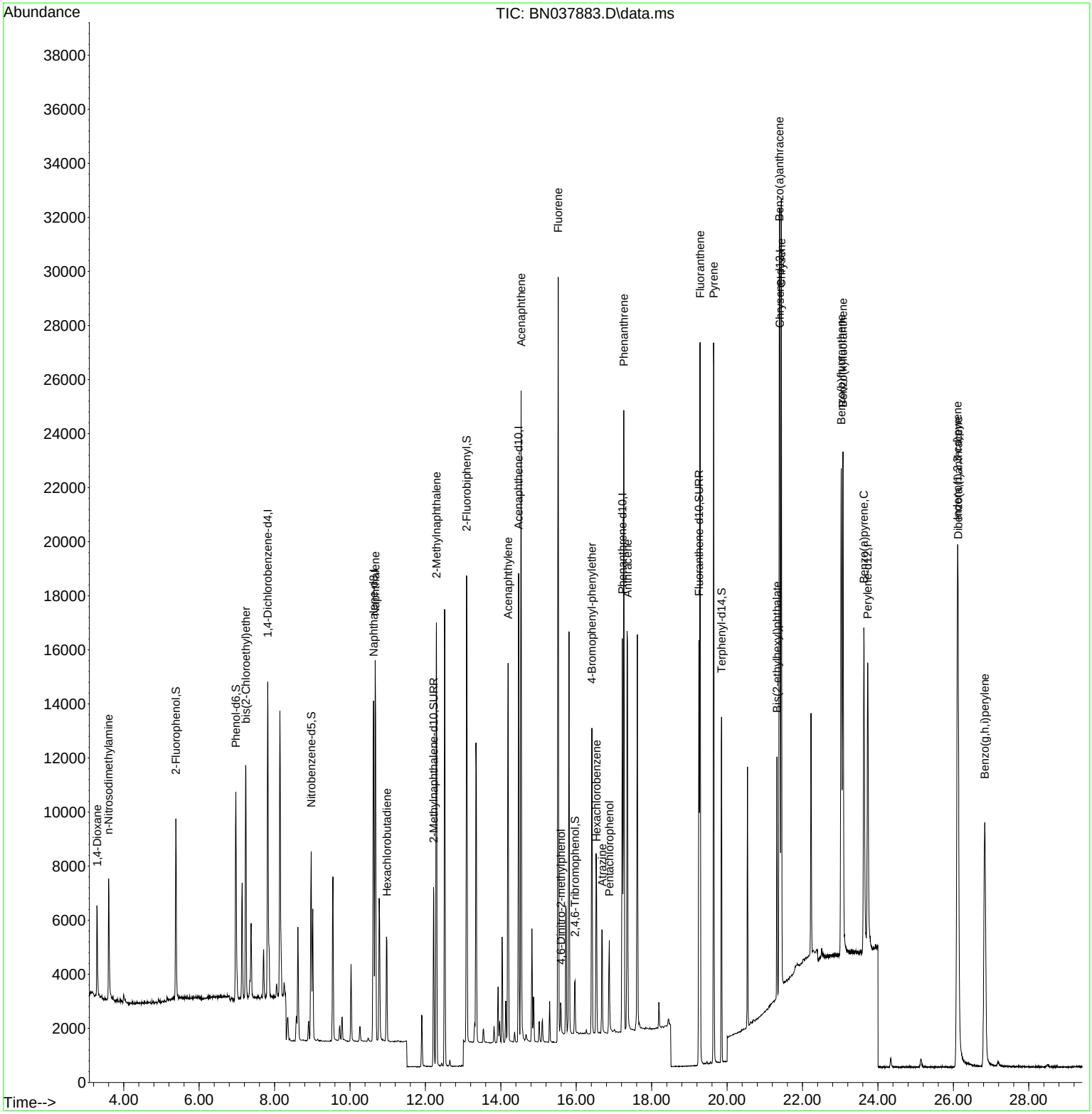
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.818	152	5686	0.400	ng		0.00
7) Naphthalene-d8	10.626	136	16943	0.400	ng		0.00
13) Acenaphthene-d10	14.473	164	8938	0.400	ng		0.00
19) Phenanthrene-d10	17.223	188	18224	0.400	ng		0.00
29) Chrysene-d12	21.402	240	15951	0.400	ng		0.00
35) Perylene-d12	23.730	264	15181	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.385	112	5496	0.424	ng		0.00
5) Phenol-d6	6.973	99	7070	0.415	ng		0.00
8) Nitrobenzene-d5	8.971	82	5435	0.421	ng		0.00
11) 2-Methylnaphthalene-d10	12.217	152	8729	0.371	ng		0.00
14) 2,4,6-Tribromophenol	15.969	330	1282	0.378	ng		0.00
15) 2-Fluorobiphenyl	13.094	172	14748	0.403	ng		0.00
27) Fluoranthene-d10	19.253	212	16679	0.364	ng		0.00
31) Terphenyl-d14	19.852	244	12027	0.379	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.297	88	2396	0.415	ng		98
3) n-Nitrosodimethylamine	3.601	42	2953	0.385	ng	#	91
6) bis(2-Chloroethyl)ether	7.241	93	6313	0.399	ng		98
9) Naphthalene	10.669	128	18632	0.399	ng		100
10) Hexachlorobutadiene	10.979	225	3268	0.410	ng	#	99
12) 2-Methylnaphthalene	12.294	142	11807	0.387	ng		99
16) Acenaphthylene	14.195	152	15429	0.380	ng		100
17) Acenaphthene	14.537	154	11105	0.384	ng		100
18) Fluorene	15.523	166	13630	0.390	ng		100
20) 4,6-Dinitro-2-methylph...	15.597	198	819	0.416	ng		97
21) 4-Bromophenyl-phenylether	16.416	248	4303	0.362	ng		99
22) Hexachlorobenzene	16.540	284	5574	0.387	ng		100
23) Atrazine	16.689	200	3567	0.394	ng		99
24) Pentachlorophenol	16.876	266	1732	0.351	ng		96
25) Phenanthrene	17.260	178	22519	0.375	ng		99
26) Anthracene	17.360	178	18701	0.359	ng		100
28) Fluoranthene	19.285	202	24178	0.366	ng		99
30) Pyrene	19.643	202	23902	0.380	ng		100
32) Benzo(a)anthracene	21.384	228	20770	0.373	ng		99
33) Chrysene	21.438	228	23424	0.389	ng		99
34) Bis(2-ethylhexyl)phtha...	21.322	149	7768	0.352	ng	#	98
36) Indeno(1,2,3-cd)pyrene	26.110	276	26167	0.377	ng		99
37) Benzo(b)fluoranthene	23.028	252	24299	0.371	ng		99
38) Benzo(k)fluoranthene	23.072	252	25034	0.380	ng		100
39) Benzo(a)pyrene	23.628	252	19225	0.371	ng		100
40) Dibenzo(a,h)anthracene	26.124	278	20318	0.375	ng		100
41) Benzo(g,h,i)perylene	26.835	276	20812	0.366	ng		99

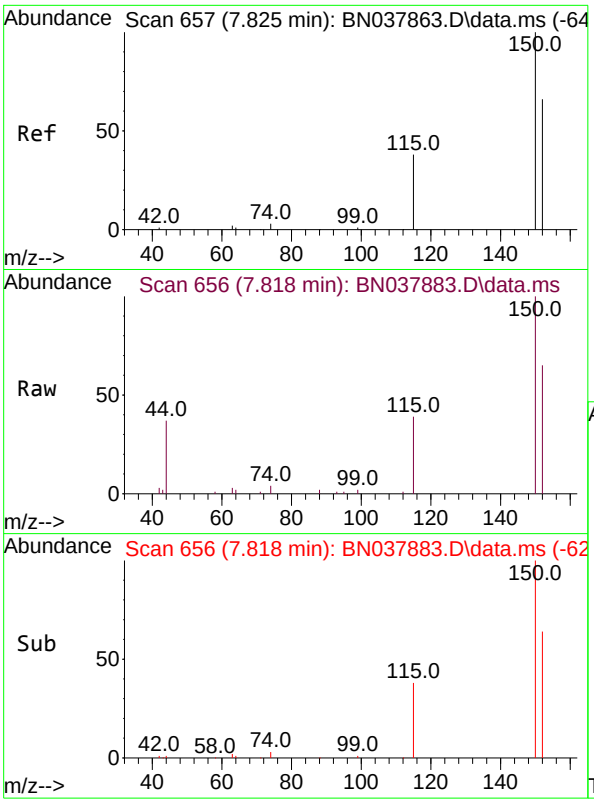
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092525\
Data File : BN037883.D
Acq On : 25 Sep 2025 11:31
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Sep 25 13:29:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration



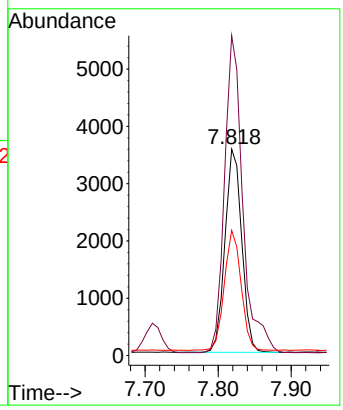


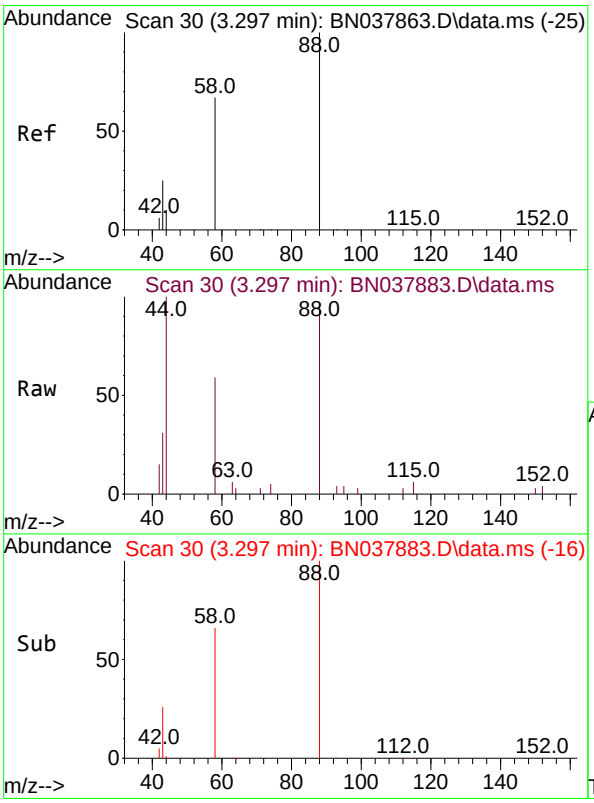
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.818 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN037883.D
Acq: 25 Sep 2025 11:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 5686

Ion	Ratio	Lower	Upper
152	100		
150	154.9	121.0	181.4
115	60.6	47.4	71.0

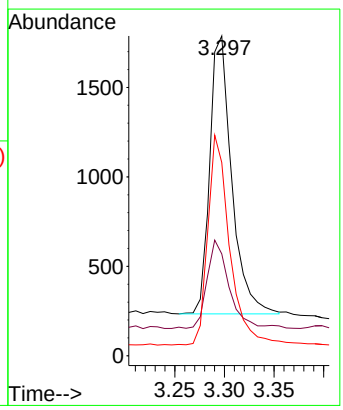


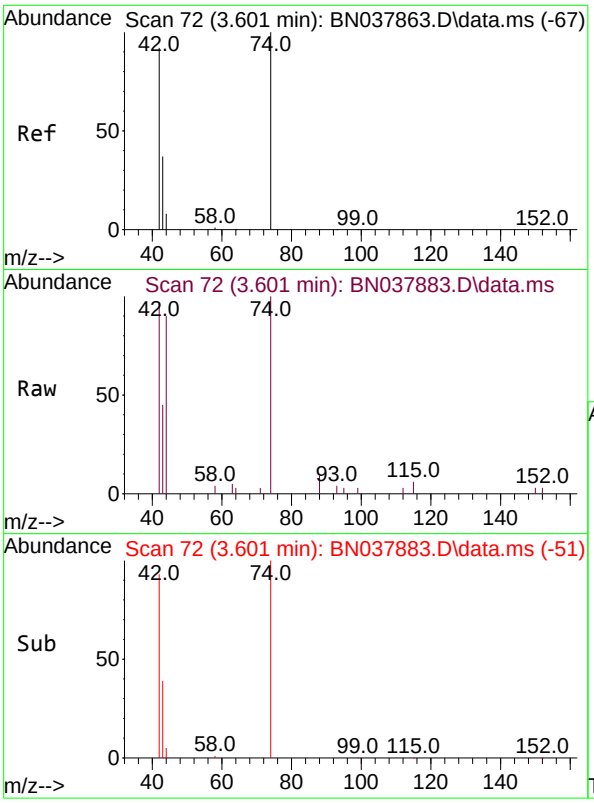


#2
1,4-Dioxane
Concen: 0.415 ng
RT: 3.297 min Scan# 30
Delta R.T. 0.000 min
Lab File: BN037883.D
Acq: 25 Sep 2025 11:31

Tgt Ion: 88 Resp: 2396

Ion	Ratio	Lower	Upper
88	100		
43	32.2	26.6	39.8
58	74.8	58.9	88.3



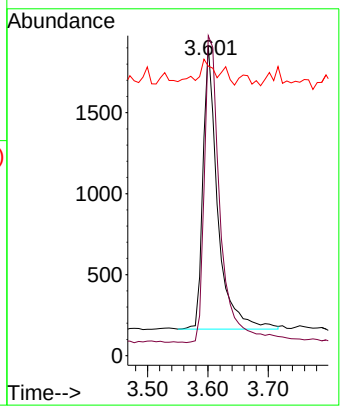


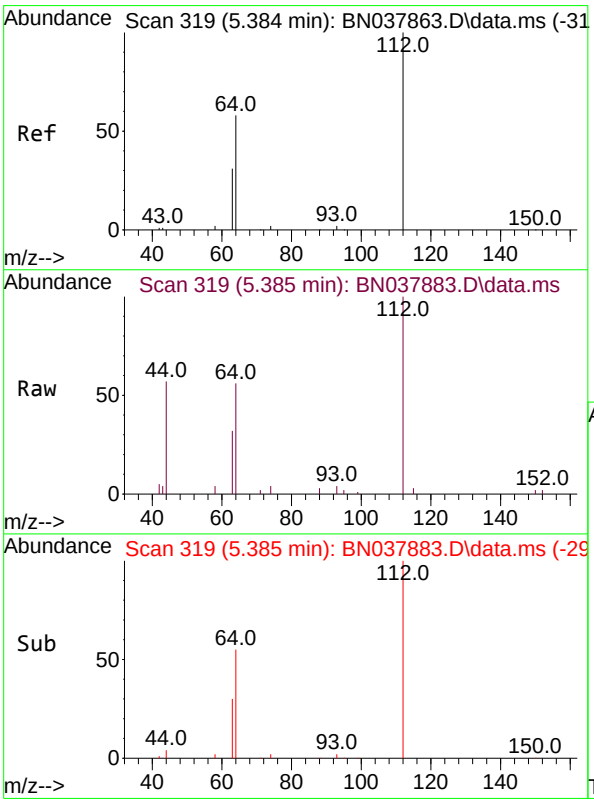
#3
n-Nitrosodimethylamine
Concen: 0.385 ng
RT: 3.601 min Scan# 7
Delta R.T. 0.000 min
Lab File: BN037883.D
Acq: 25 Sep 2025 11:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 2953

Ion	Ratio	Lower	Upper
42	100		
74	117.9	93.4	140.0
44	7.0	22.2	33.4#

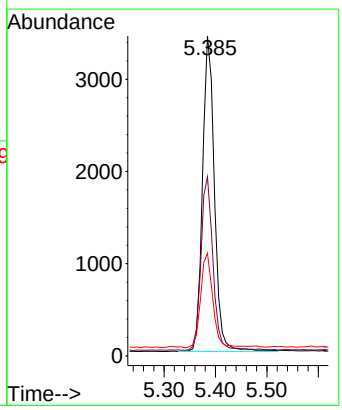


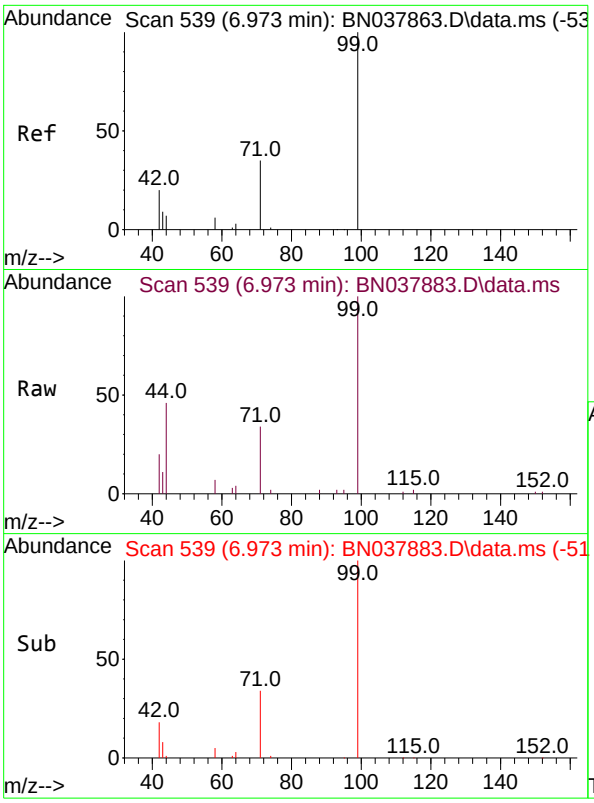


#4
2-Fluorophenol
Concen: 0.424 ng
RT: 5.385 min Scan# 319
Delta R.T. 0.000 min
Lab File: BN037883.D
Acq: 25 Sep 2025 11:31

Tgt Ion:112 Resp: 5496

Ion	Ratio	Lower	Upper
112	100		
64	55.5	44.6	66.8
63	31.0	24.9	37.3



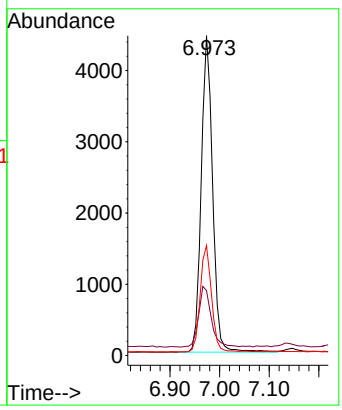


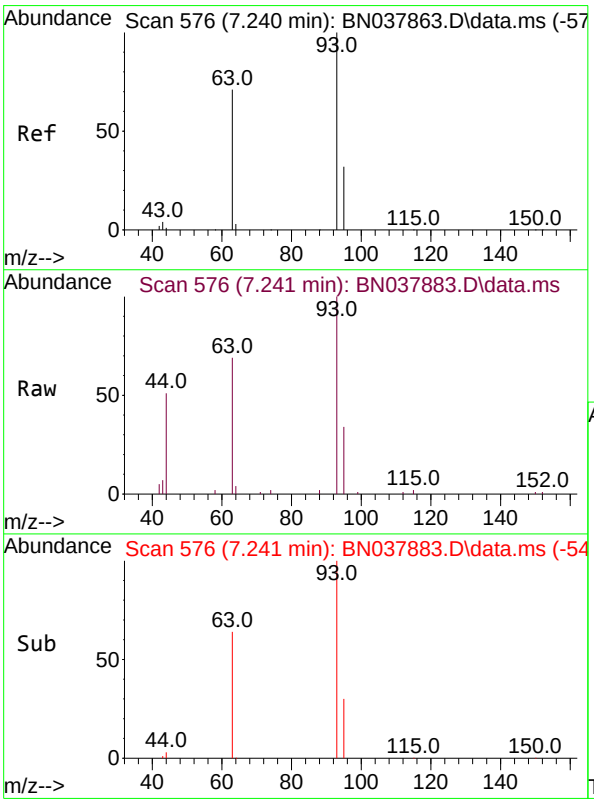
#5
Phenol-d6
Concen: 0.415 ng
RT: 6.973 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN037883.D
Acq: 25 Sep 2025 11:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 7070

Ion	Ratio	Lower	Upper
99	100		
42	20.9	17.2	25.8
71	33.4	27.3	40.9

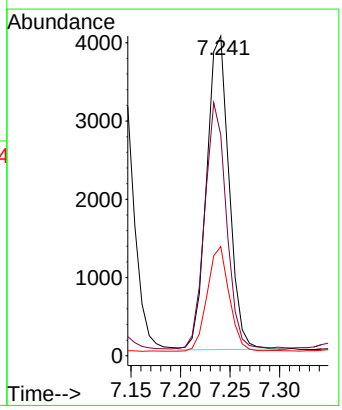


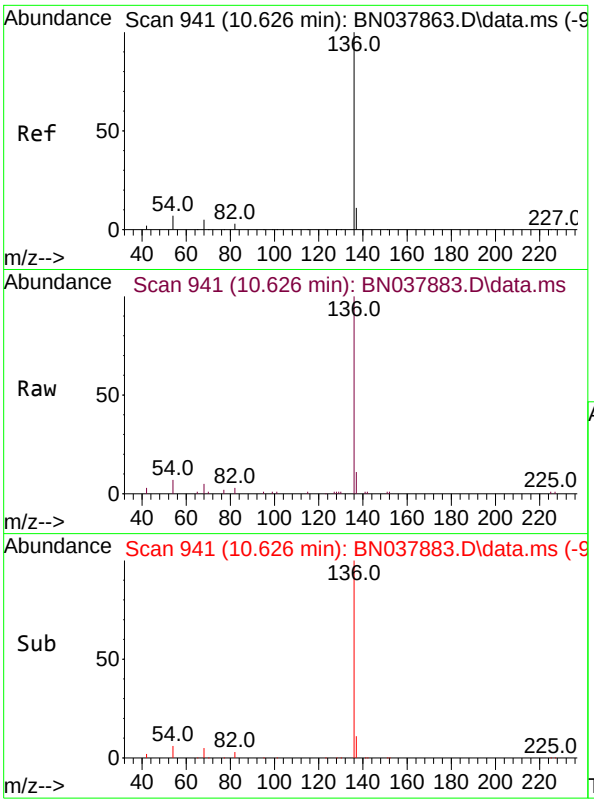


#6
bis(2-Chloroethyl)ether
Concen: 0.399 ng
RT: 7.241 min Scan# 576
Delta R.T. 0.000 min
Lab File: BN037883.D
Acq: 25 Sep 2025 11:31

Tgt Ion: 93 Resp: 6313

Ion	Ratio	Lower	Upper
93	100		
63	76.4	60.1	90.1
95	32.8	25.4	38.2



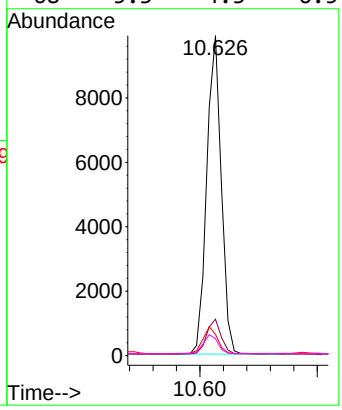


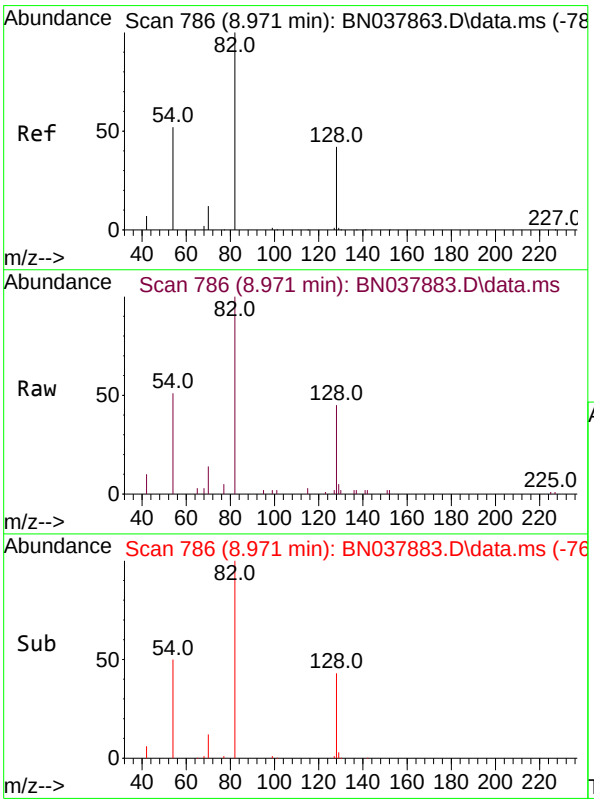
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.626 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN037883.D
Acq: 25 Sep 2025 11:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 16943

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.0	13.4
54	6.6	5.8	8.8
68	5.3	4.3	6.5

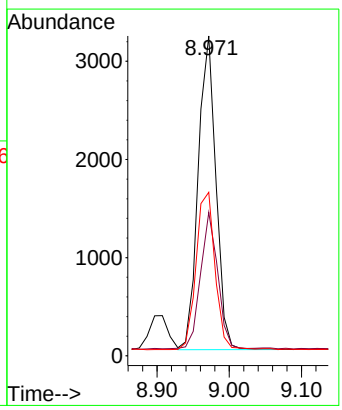


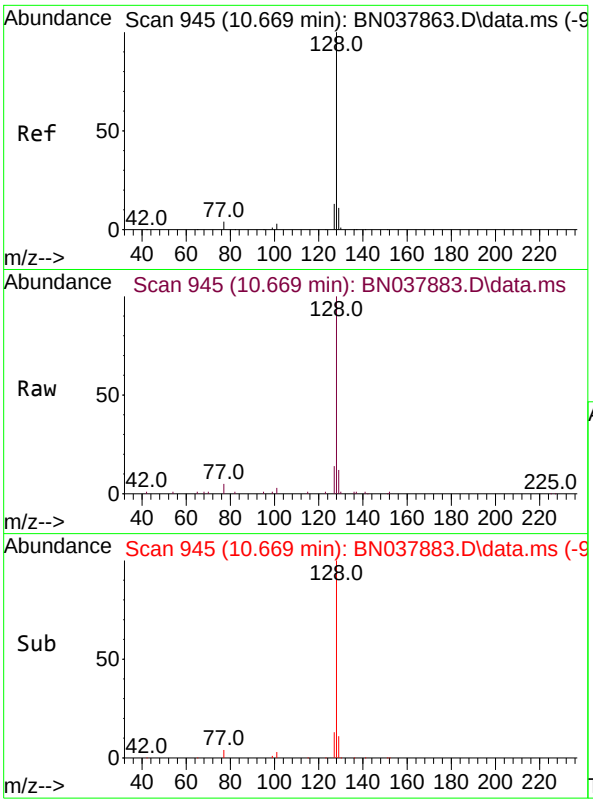


#8
Nitrobenzene-d5
Concen: 0.421 ng
RT: 8.971 min Scan# 786
Delta R.T. 0.000 min
Lab File: BN037883.D
Acq: 25 Sep 2025 11:31

Tgt Ion: 82 Resp: 5435

Ion	Ratio	Lower	Upper
82	100		
128	44.8	34.8	52.2
54	51.1	42.2	63.2



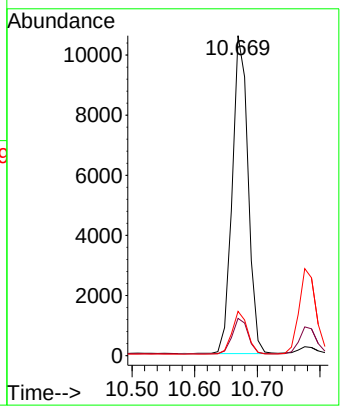


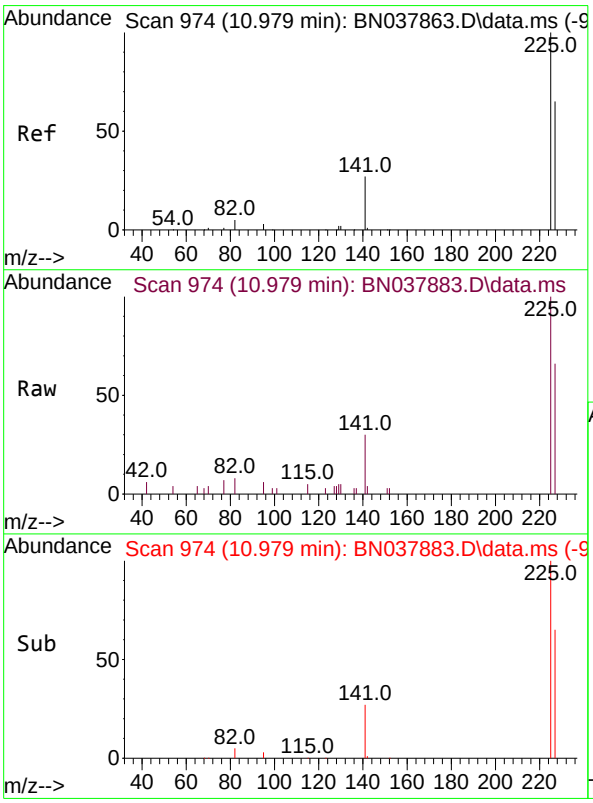
#9
Naphthalene
Concen: 0.399 ng
RT: 10.669 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN037883.D
Acq: 25 Sep 2025 11:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 18632

Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.2	13.8
127	13.8	11.0	16.6

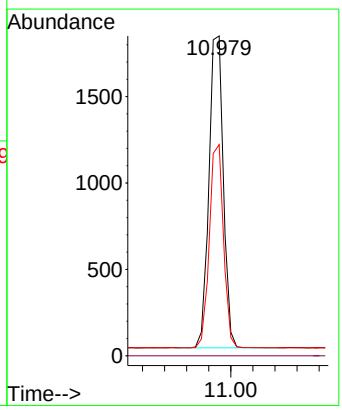


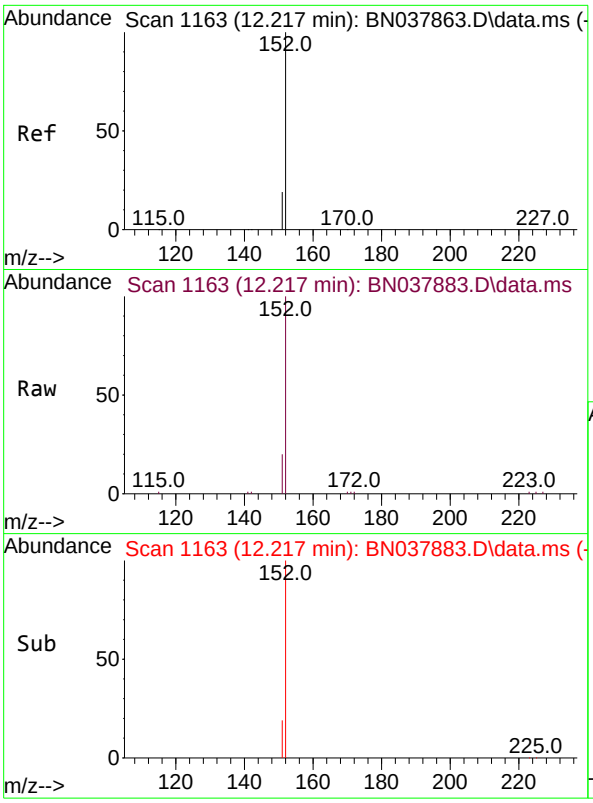


#10
Hexachlorobutadiene
Concen: 0.410 ng
RT: 10.979 min Scan# 974
Delta R.T. 0.000 min
Lab File: BN037883.D
Acq: 25 Sep 2025 11:31

Tgt Ion:225 Resp: 3268

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.7	51.4	77.2



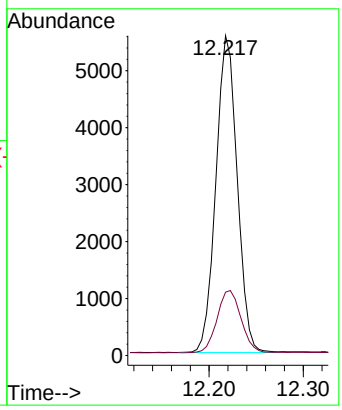


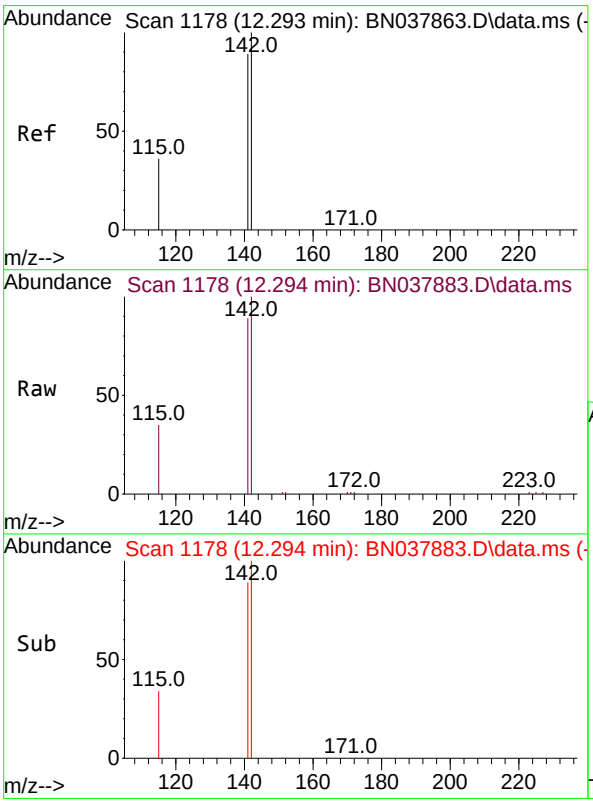
#11
2-Methylnaphthalene-d10
Concen: 0.371 ng
RT: 12.217 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN037883.D
Acq: 25 Sep 2025 11:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 8729

Ion	Ratio	Lower	Upper
152	100		
151	22.2	17.4	26.2

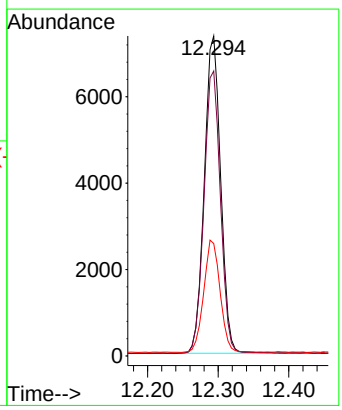


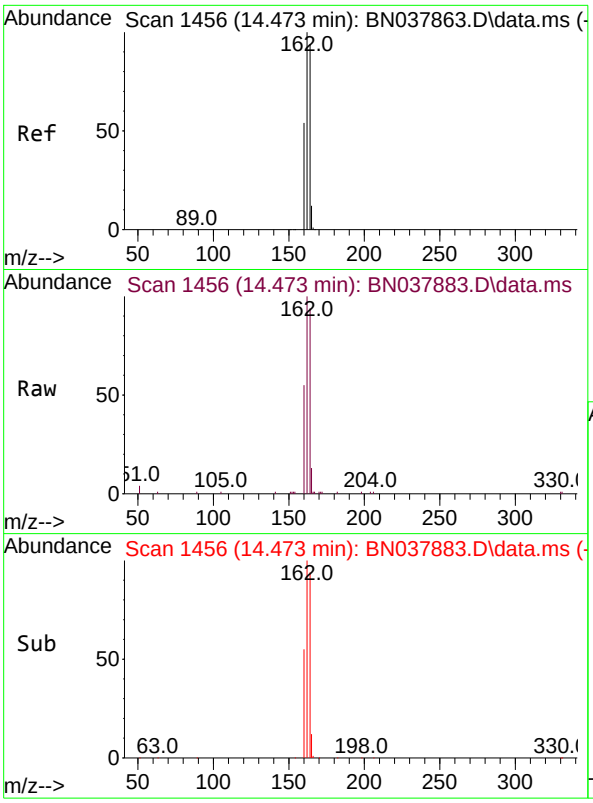


#12
2-Methylnaphthalene
Concen: 0.387 ng
RT: 12.294 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BN037883.D
Acq: 25 Sep 2025 11:31

Tgt Ion:142 Resp: 11807

Ion	Ratio	Lower	Upper
142	100		
141	89.0	71.2	106.8
115	35.1	29.7	44.5



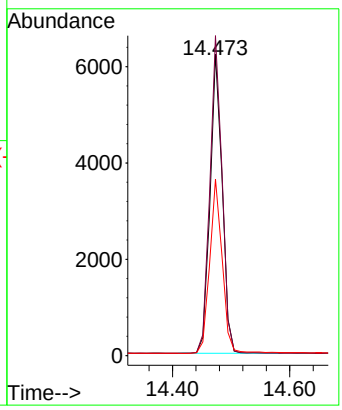


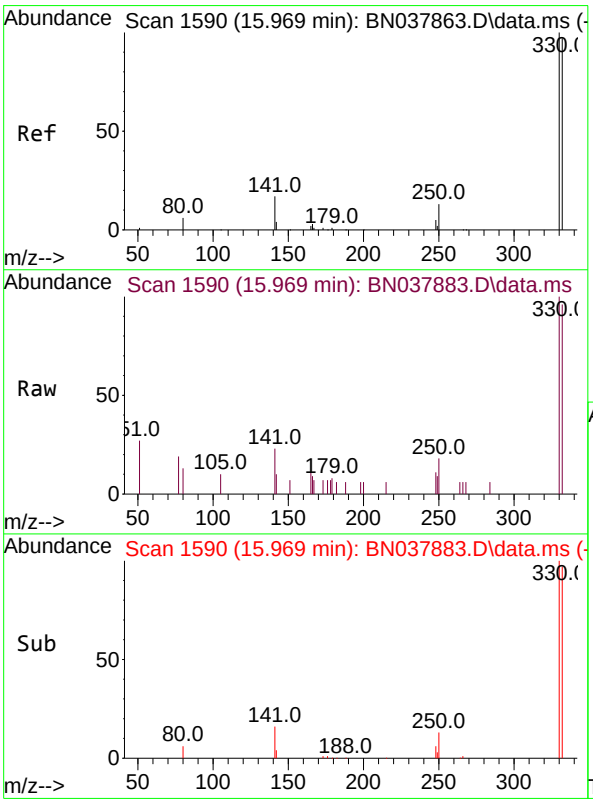
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.473 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037883.D
Acq: 25 Sep 2025 11:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 8938

Ion	Ratio	Lower	Upper
164	100		
162	106.1	84.8	127.2
160	58.5	46.1	69.1

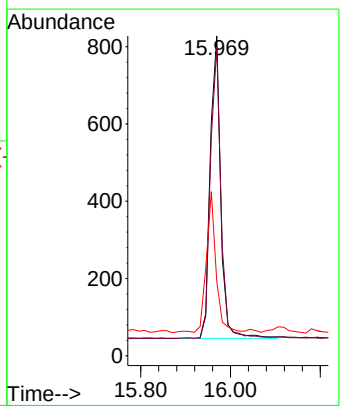


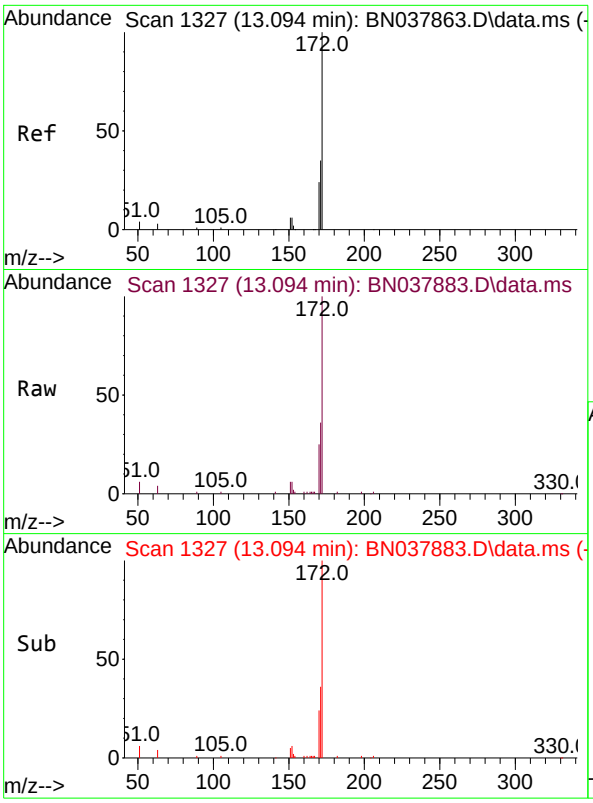


#14
2,4,6-Tribromophenol
Concen: 0.378 ng
RT: 15.969 min Scan# 1590
Delta R.T. 0.000 min
Lab File: BN037883.D
Acq: 25 Sep 2025 11:31

Tgt Ion:330 Resp: 1282

Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.2	115.8
141	43.2	37.2	55.8



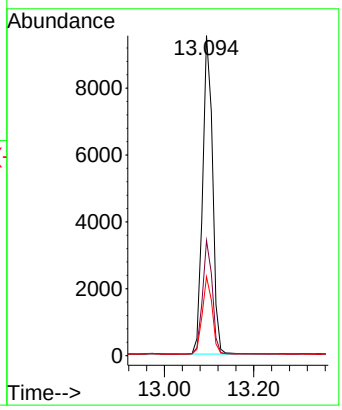


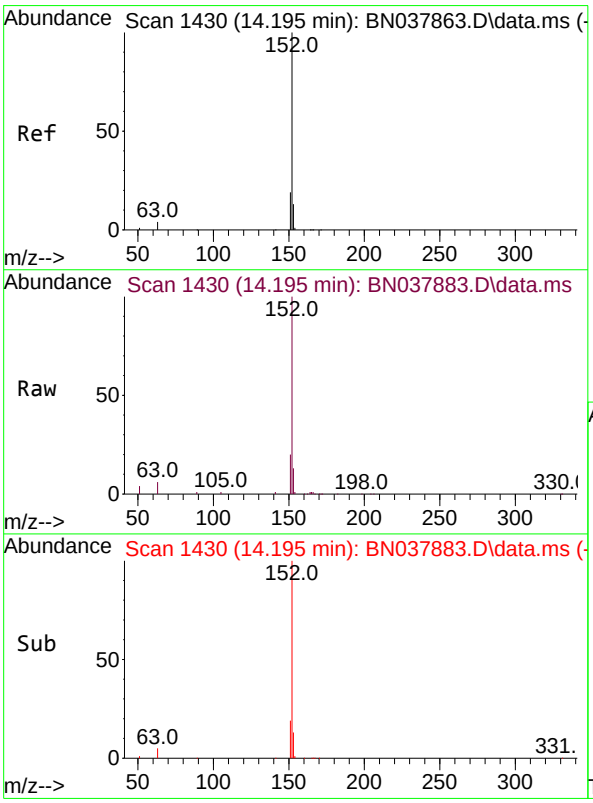
#15
2-Fluorobiphenyl
Concen: 0.403 ng
RT: 13.094 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037883.D
Acq: 25 Sep 2025 11:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 14748

Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.6	43.0
170	24.6	19.7	29.5

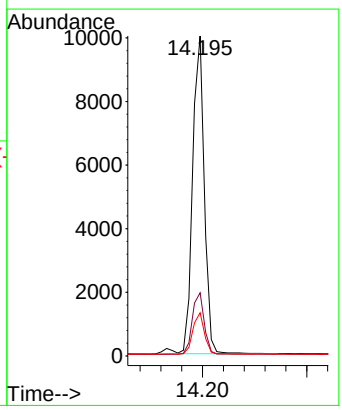


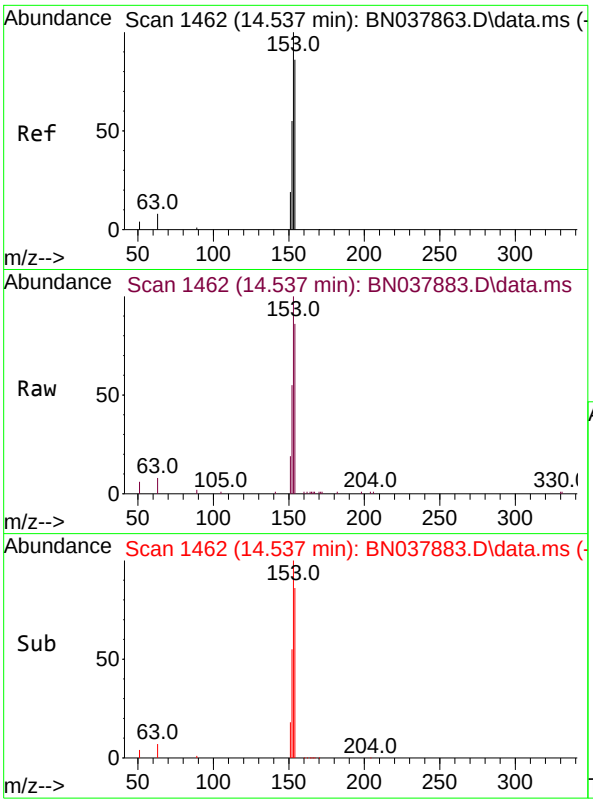


#16
Acenaphthylene
Concen: 0.380 ng
RT: 14.195 min Scan# 1430
Delta R.T. 0.000 min
Lab File: BN037883.D
Acq: 25 Sep 2025 11:31

Tgt Ion:152 Resp: 15429

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.8	23.8
153	12.8	10.5	15.7



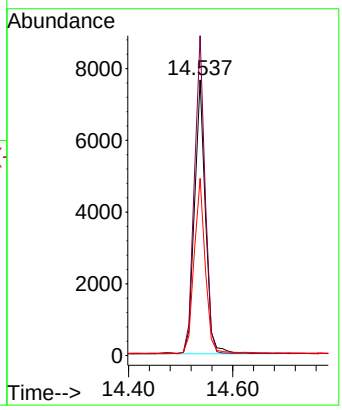


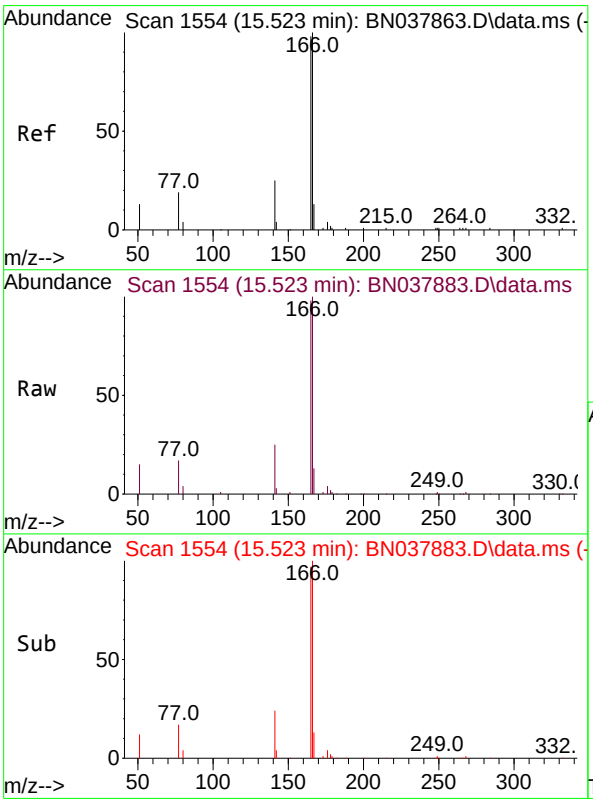
#17
Acenaphthene
Concen: 0.384 ng
RT: 14.537 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037883.D
Acq: 25 Sep 2025 11:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 11105

Ion	Ratio	Lower	Upper
154	100		
153	113.3	90.5	135.7
152	65.0	51.8	77.8

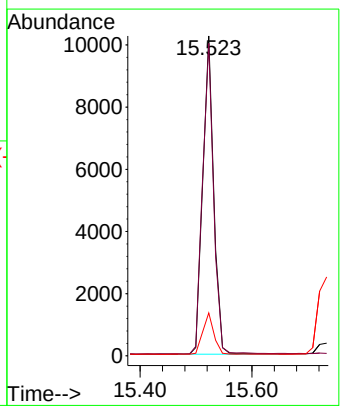


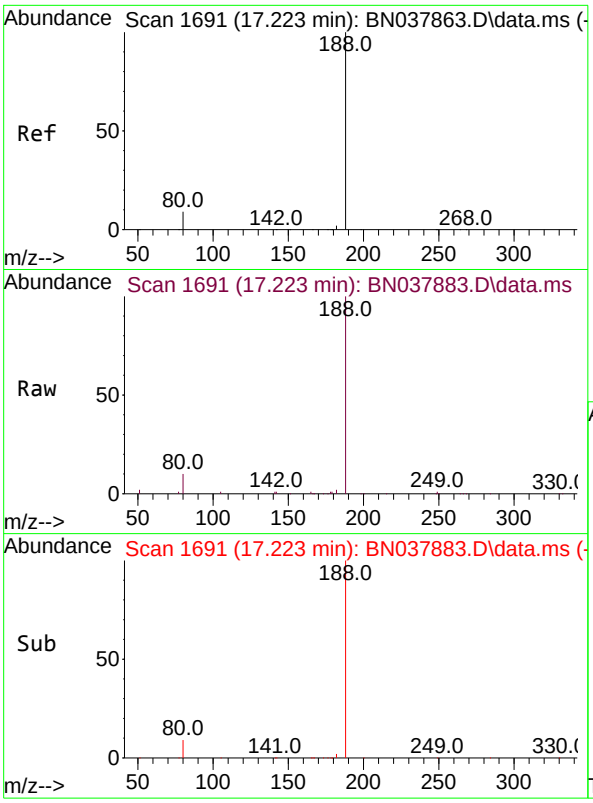


#18
Fluorene
Concen: 0.390 ng
RT: 15.523 min Scan# 1554
Delta R.T. 0.000 min
Lab File: BN037883.D
Acq: 25 Sep 2025 11:31

Tgt Ion:166 Resp: 13630

Ion	Ratio	Lower	Upper
166	100		
165	99.0	79.0	118.4
167	12.6	10.6	16.0



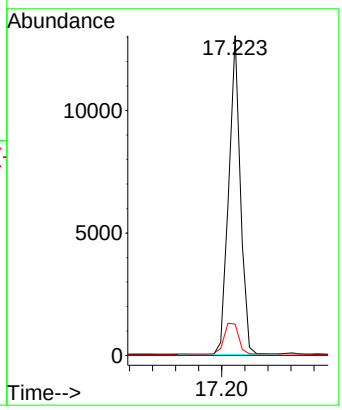


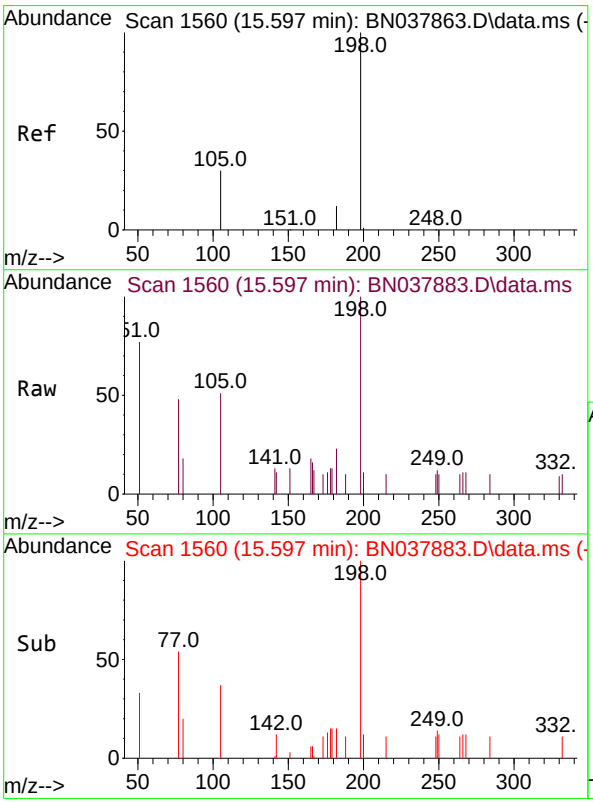
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.223 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037883.D
Acq: 25 Sep 2025 11:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 18224

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.8	7.6	11.4

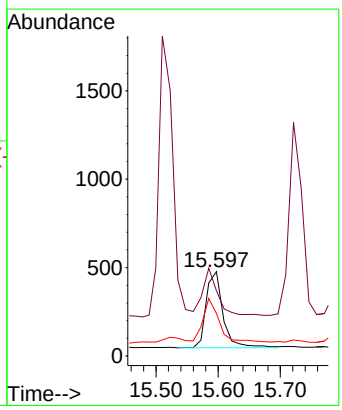


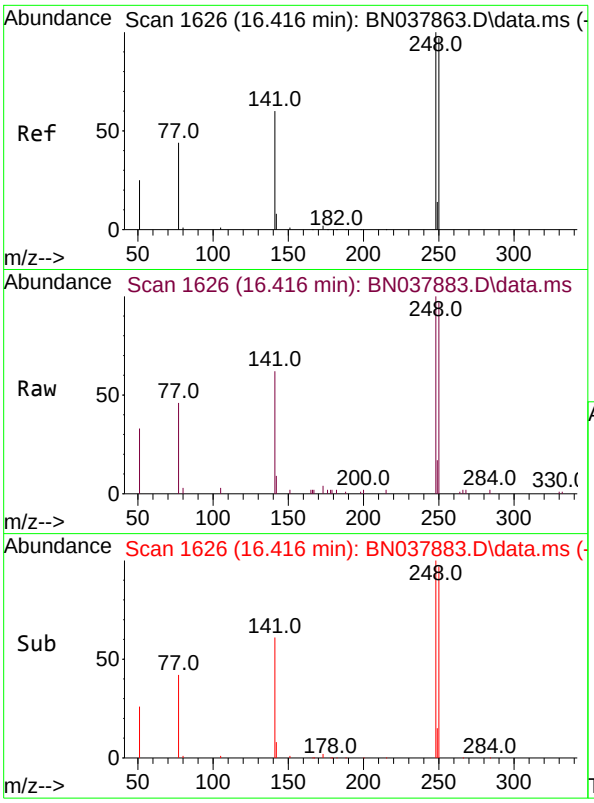


#20
4,6-Dinitro-2-methylphenol
Concen: 0.416 ng
RT: 15.597 min Scan# 1560
Delta R.T. 0.000 min
Lab File: BN037883.D
Acq: 25 Sep 2025 11:31

Tgt Ion:198 Resp: 819

Ion	Ratio	Lower	Upper
198	100		
51	77.4	59.1	88.7
105	50.5	41.3	61.9



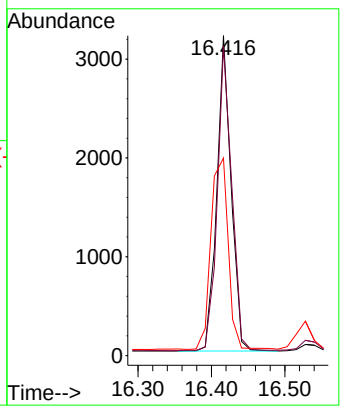


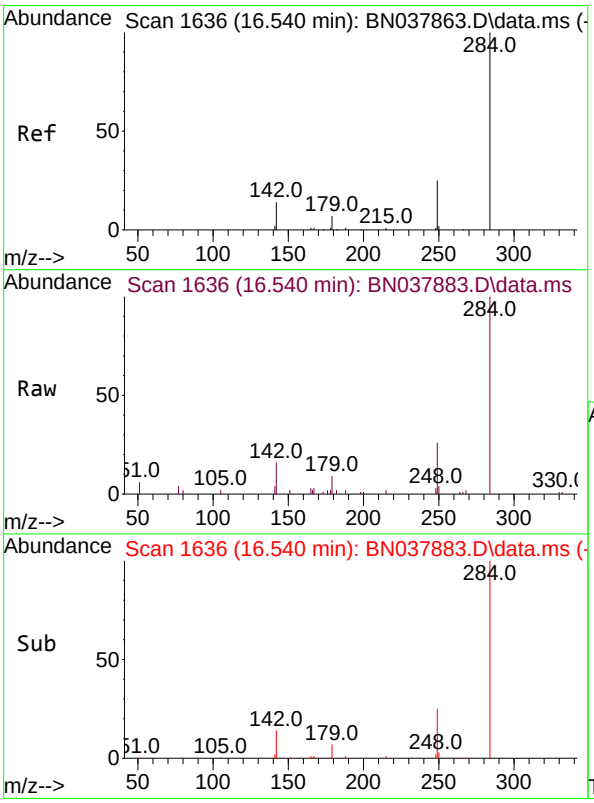
#21
4-Bromophenyl-phenylether
Concen: 0.362 ng
RT: 16.416 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037883.D
Acq: 25 Sep 2025 11:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:248 Resp: 4303

Ion	Ratio	Lower	Upper
248	100		
250	96.7	77.6	116.4
141	61.7	48.8	73.2

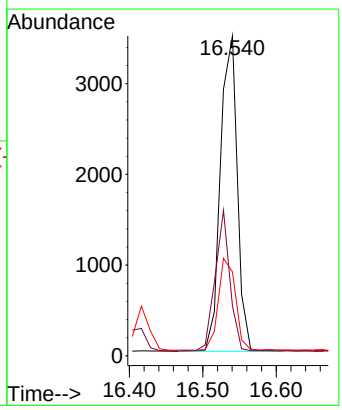


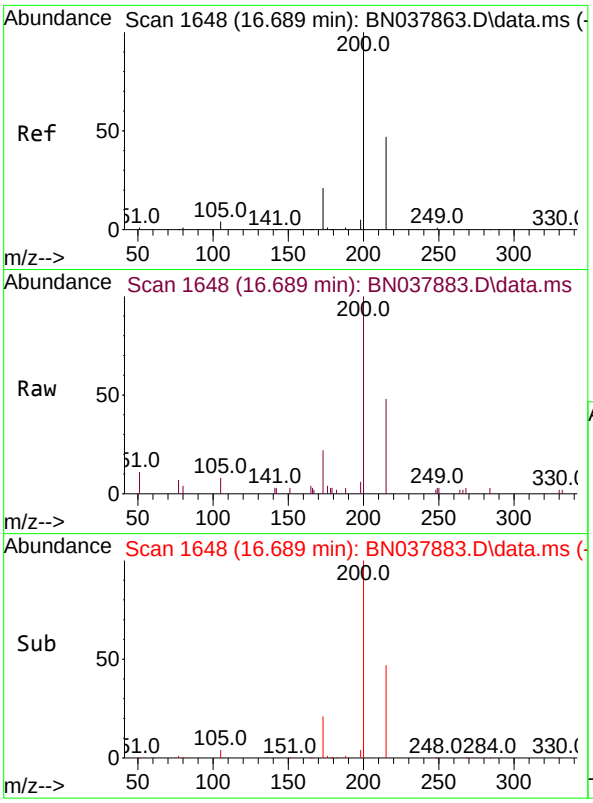


#22
Hexachlorobenzene
Concen: 0.387 ng
RT: 16.540 min Scan# 1636
Delta R.T. 0.000 min
Lab File: BN037883.D
Acq: 25 Sep 2025 11:31

Tgt Ion:284 Resp: 5574

Ion	Ratio	Lower	Upper
284	100		
142	39.0	30.9	46.3
249	29.9	23.9	35.9



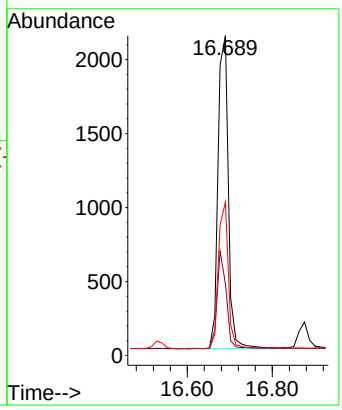


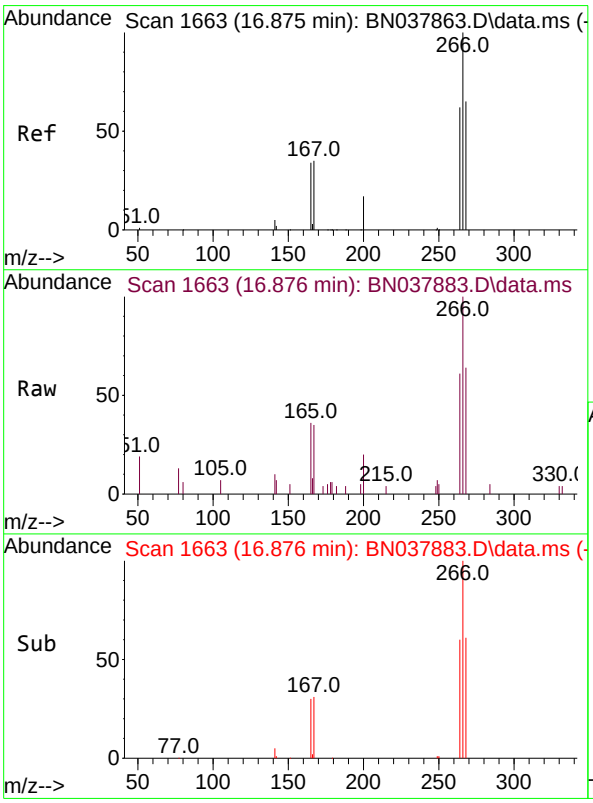
#23
Atrazine
Concen: 0.394 ng
RT: 16.689 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN037883.D
Acq: 25 Sep 2025 11:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:200 Resp: 3567

Ion	Ratio	Lower	Upper
200	100		
173	22.5	18.3	27.5
215	47.9	38.6	58.0

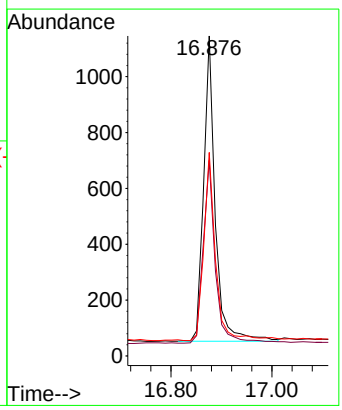


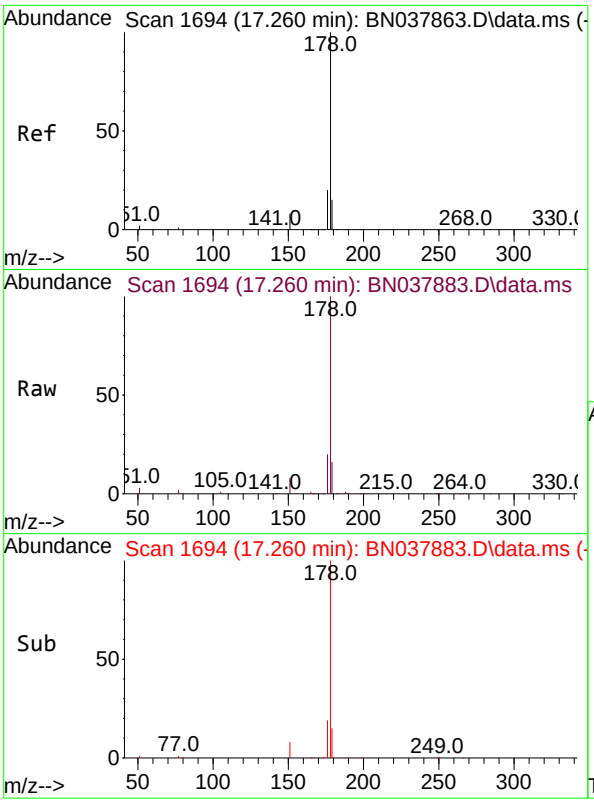


#24
Pentachlorophenol
Concen: 0.351 ng
RT: 16.876 min Scan# 1663
Delta R.T. 0.001 min
Lab File: BN037883.D
Acq: 25 Sep 2025 11:31

Tgt Ion:266 Resp: 1732

Ion	Ratio	Lower	Upper
266	100		
264	62.2	50.9	76.3
268	63.4	54.3	81.5



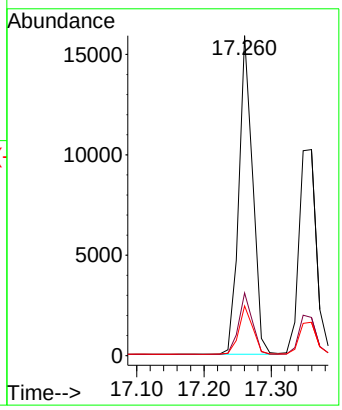


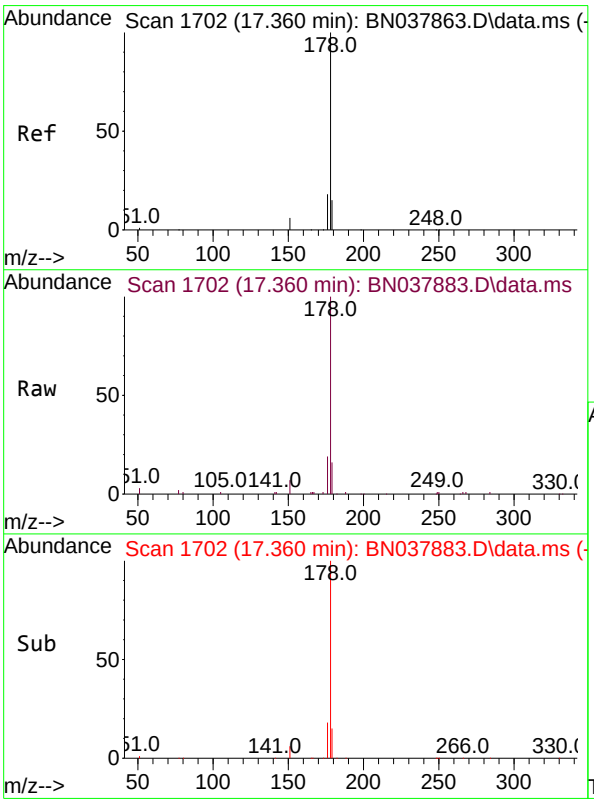
#25
Phenanthrene
Concen: 0.375 ng
RT: 17.260 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037883.D
Acq: 25 Sep 2025 11:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 22519

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.7	23.5
179	15.2	12.3	18.5

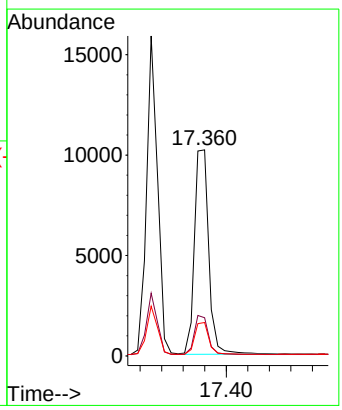


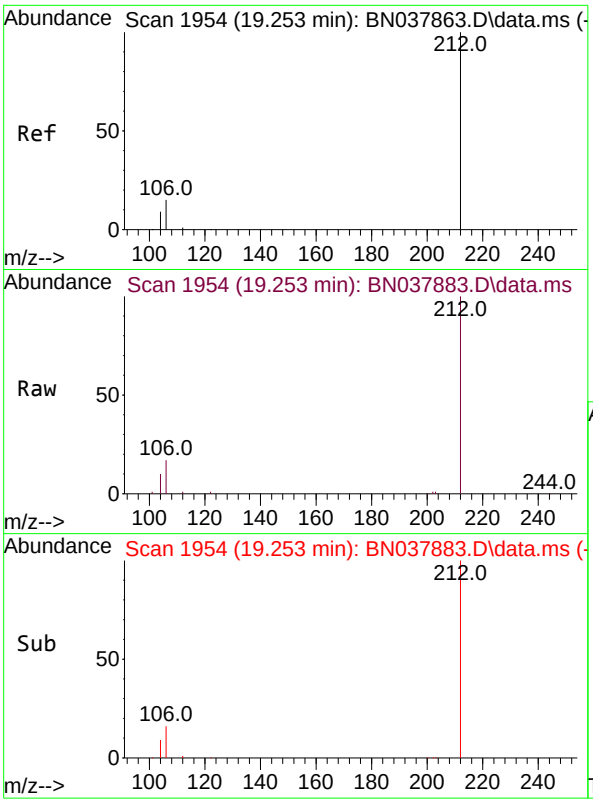


#26
Anthracene
Concen: 0.359 ng
RT: 17.360 min Scan# 1702
Delta R.T. 0.000 min
Lab File: BN037883.D
Acq: 25 Sep 2025 11:31

Tgt Ion:178 Resp: 18701

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.0	22.4
179	15.3	12.3	18.5



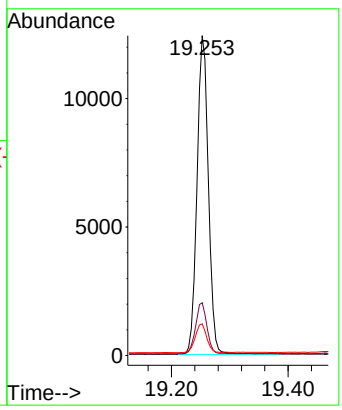


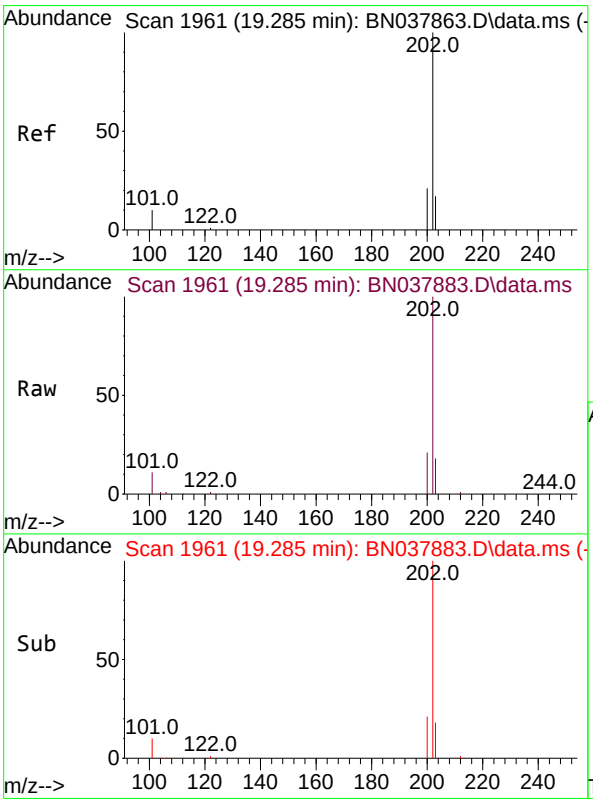
#27
Fluoranthene-d10
Concen: 0.364 ng
RT: 19.253 min Scan# 19
Delta R.T. 0.000 min
Lab File: BN037883.D
Acq: 25 Sep 2025 11:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 16679

Ion	Ratio	Lower	Upper
212	100		
106	16.1	12.6	19.0
104	9.2	7.4	11.0

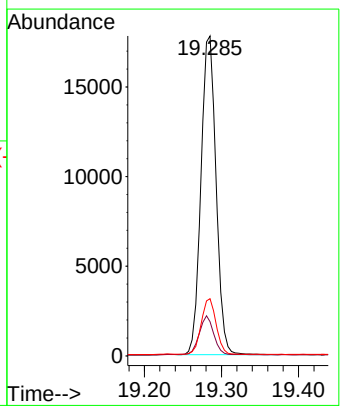


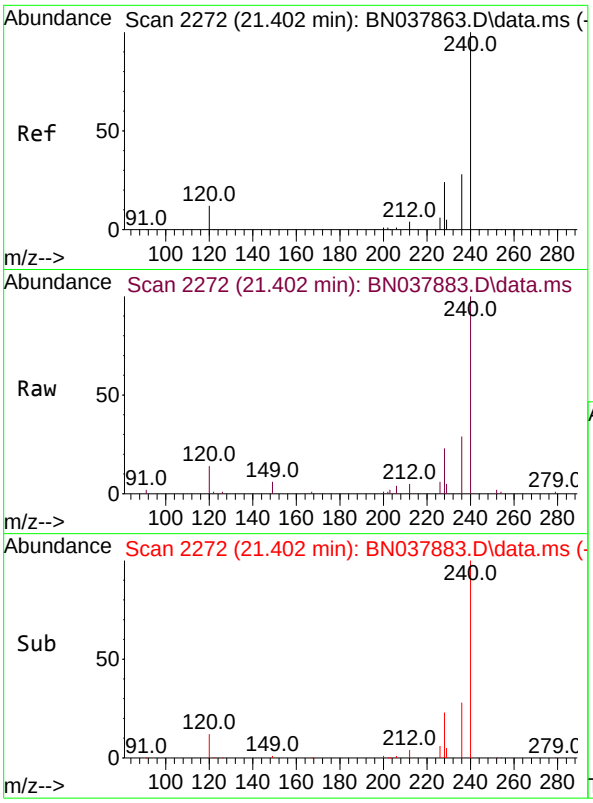


#28
Fluoranthene
Concen: 0.366 ng
RT: 19.285 min Scan# 1961
Delta R.T. 0.000 min
Lab File: BN037883.D
Acq: 25 Sep 2025 11:31

Tgt Ion:202 Resp: 24178

Ion	Ratio	Lower	Upper
202	100		
101	11.9	9.3	13.9
203	17.2	13.6	20.4



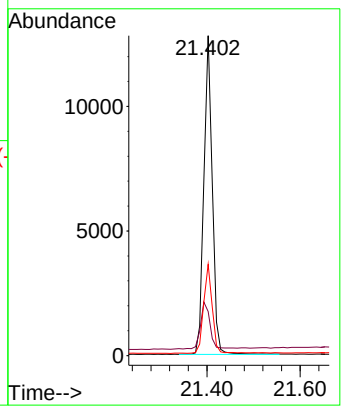


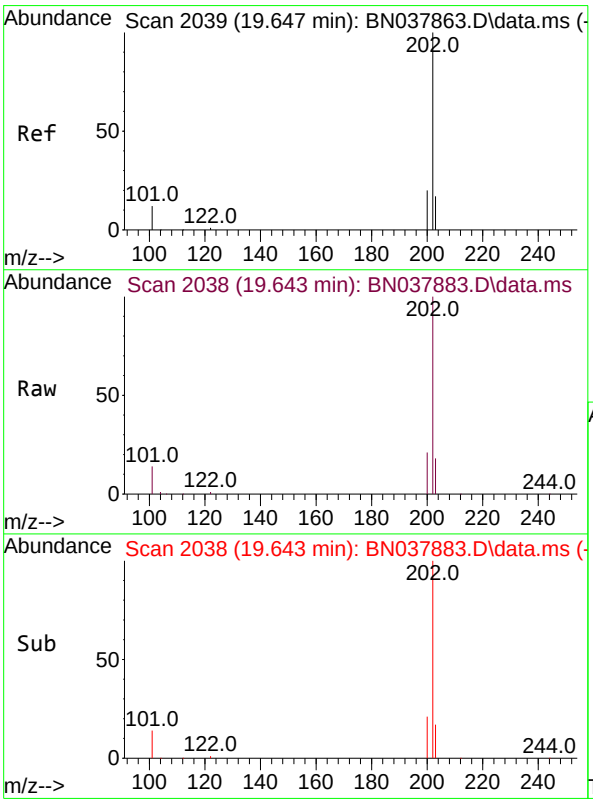
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.402 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037883.D
Acq: 25 Sep 2025 11:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 15951

Ion	Ratio	Lower	Upper
240	100		
120	13.8	11.4	17.2
236	28.5	23.0	34.6

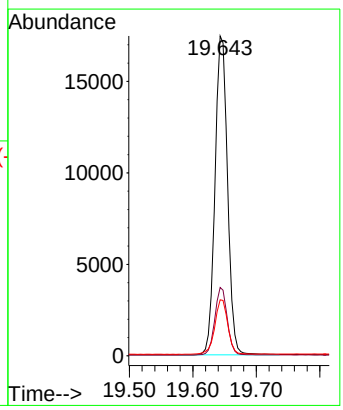


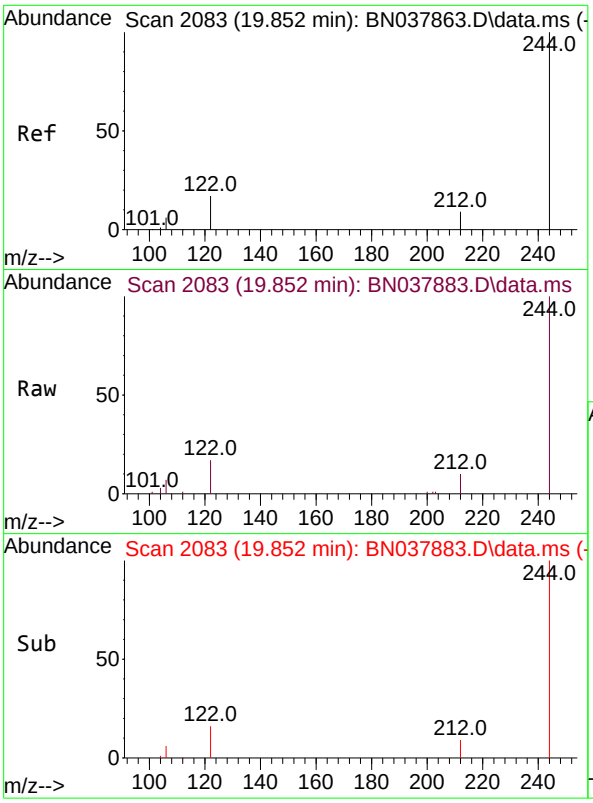


#30
Pyrene
Concen: 0.380 ng
RT: 19.643 min Scan# 2038
Delta R.T. -0.005 min
Lab File: BN037883.D
Acq: 25 Sep 2025 11:31

Tgt Ion:202 Resp: 23902

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.7	25.1
203	17.9	14.2	21.4



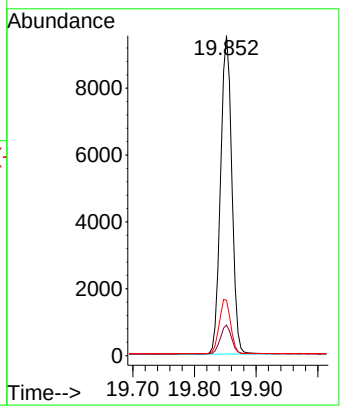


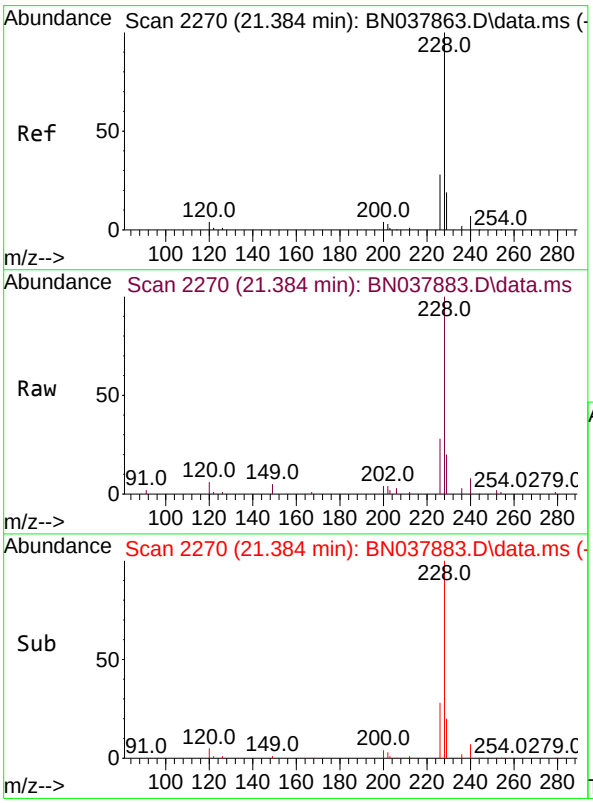
#31
Terphenyl-d14
Concen: 0.379 ng
RT: 19.852 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037883.D
Acq: 25 Sep 2025 11:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 12027

Ion	Ratio	Lower	Upper
244	100		
212	9.5	7.6	11.4
122	17.4	13.9	20.9

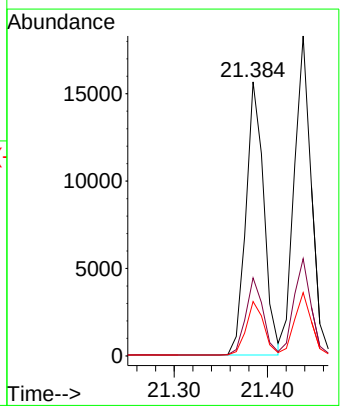


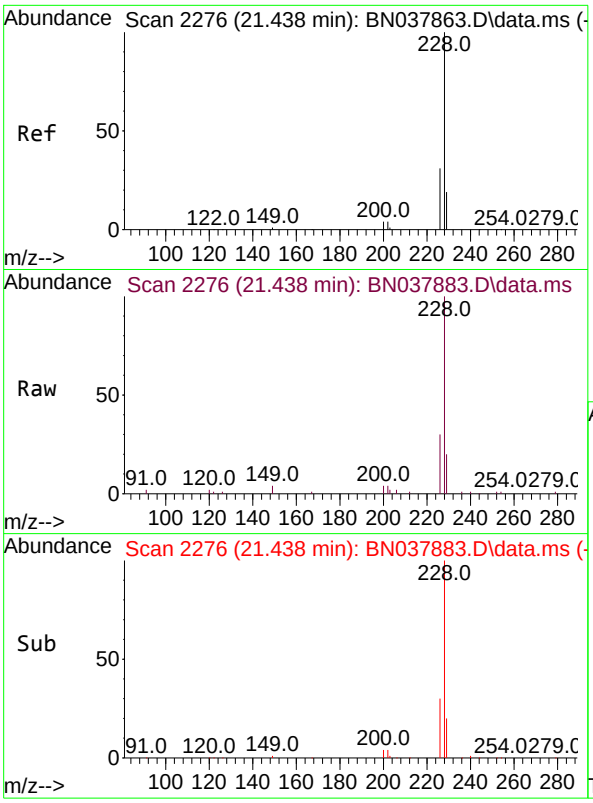


#32
Benzo(a)anthracene
Concen: 0.373 ng
RT: 21.384 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BN037883.D
Acq: 25 Sep 2025 11:31

Tgt Ion:228 Resp: 20770

Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.6	33.8
229	19.8	15.6	23.4



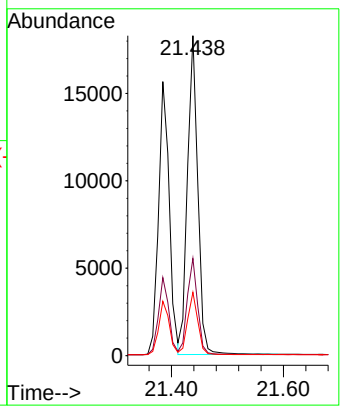


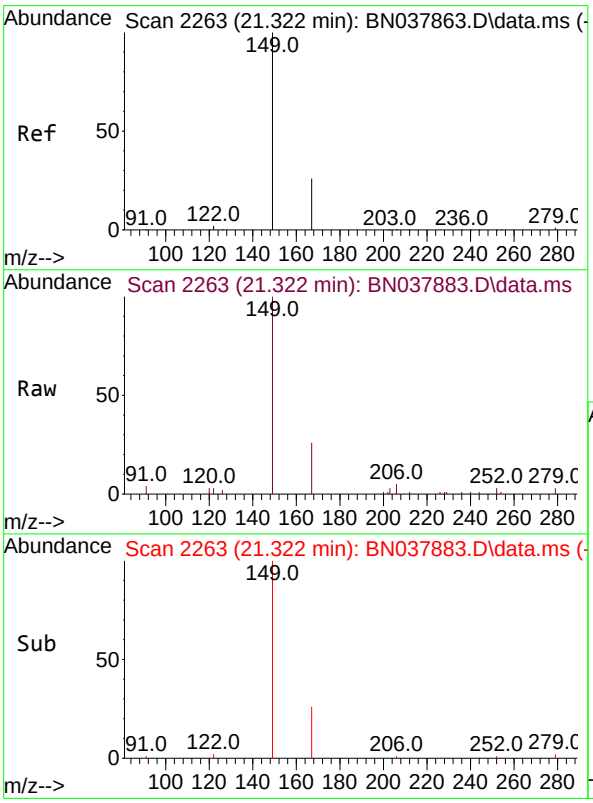
#33
Chrysene
Concen: 0.389 ng
RT: 21.438 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037883.D
Acq: 25 Sep 2025 11:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 23424

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.6	37.0
229	19.8	15.6	23.4

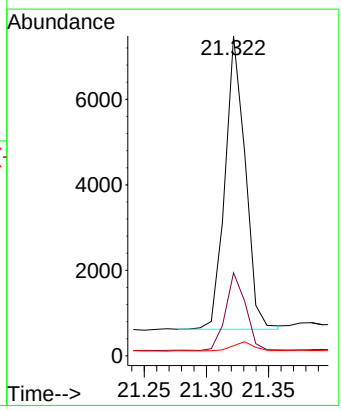


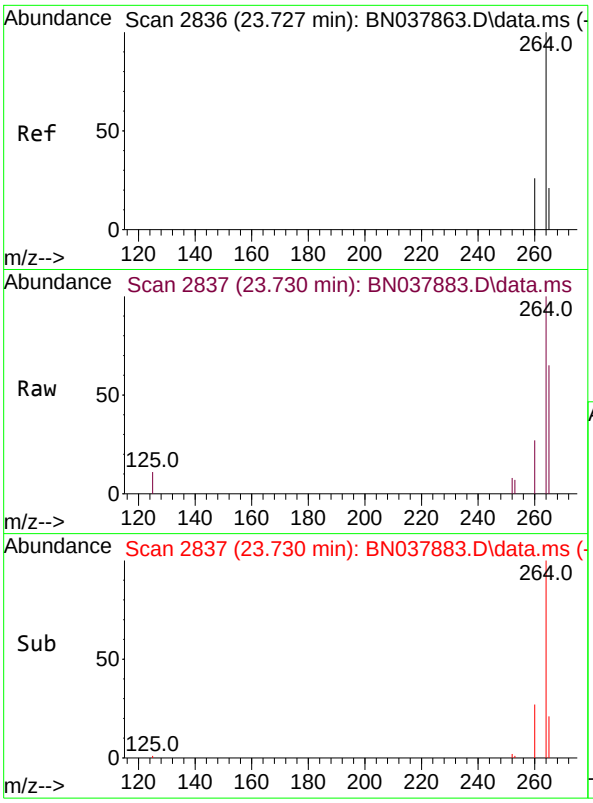


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.352 ng
RT: 21.322 min Scan# 2263
Delta R.T. 0.000 min
Lab File: BN037883.D
Acq: 25 Sep 2025 11:31

Tgt Ion:149 Resp: 7768

Ion	Ratio	Lower	Upper
149	100		
167	26.3	20.4	30.6
279	3.7	2.4	3.6#



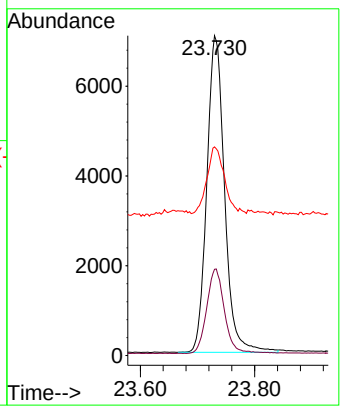


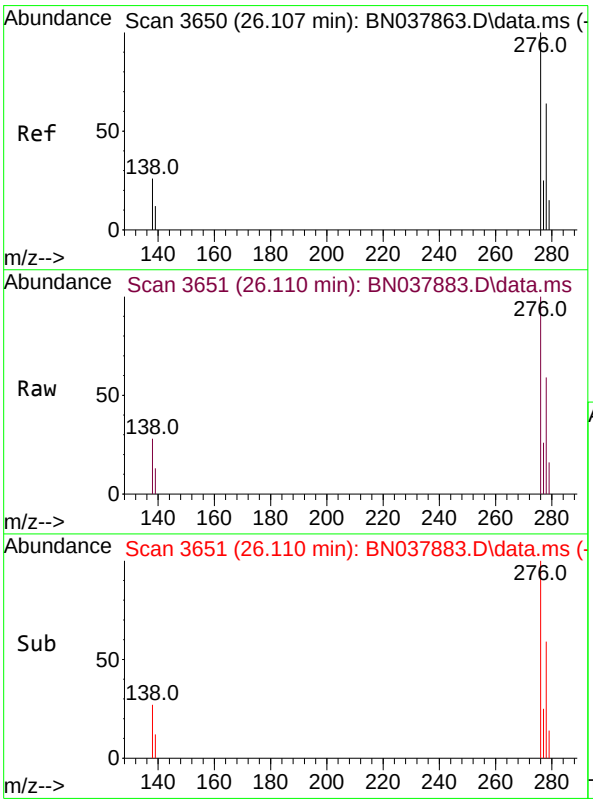
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.730 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN037883.D
Acq: 25 Sep 2025 11:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:264 Resp: 15181

Ion	Ratio	Lower	Upper
264	100		
260	27.0	21.5	32.3
265	65.2	53.8	80.6

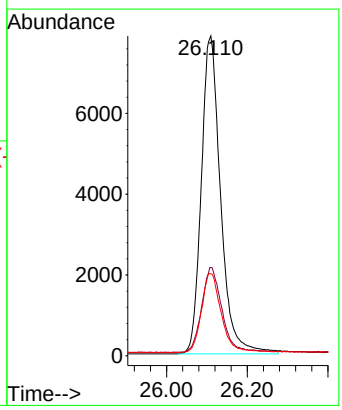


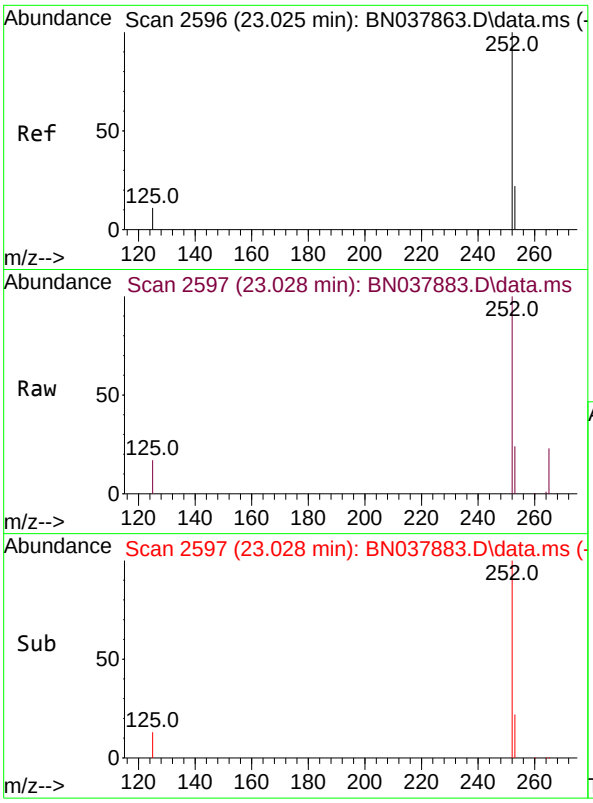


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.377 ng
RT: 26.110 min Scan# 3651
Delta R.T. 0.003 min
Lab File: BN037883.D
Acq: 25 Sep 2025 11:31

Tgt Ion:276 Resp: 26167

Ion	Ratio	Lower	Upper
276	100		
138	27.4	21.4	32.0
277	24.8	20.3	30.5



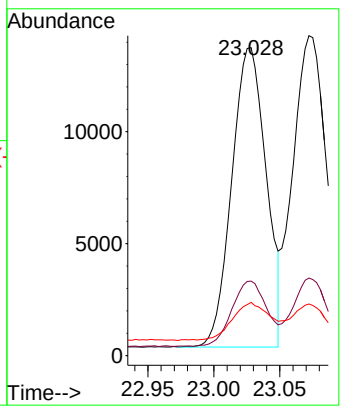


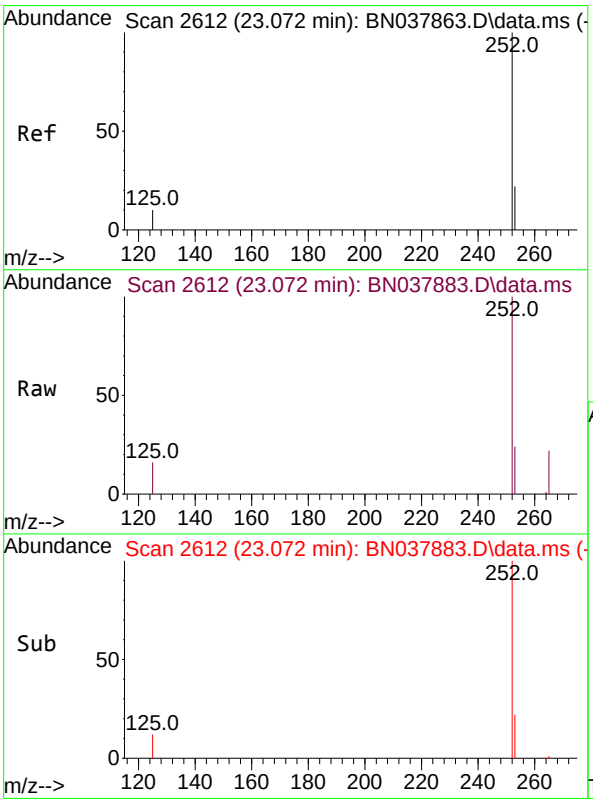
#37
Benzo(b)fluoranthene
Concen: 0.371 ng
RT: 23.028 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN037883.D
Acq: 25 Sep 2025 11:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 24299

Ion	Ratio	Lower	Upper
252	100		
253	24.2	19.4	29.0
125	17.3	13.0	19.4

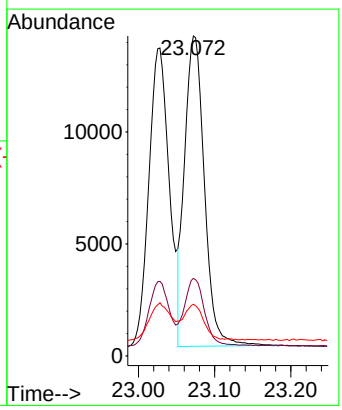


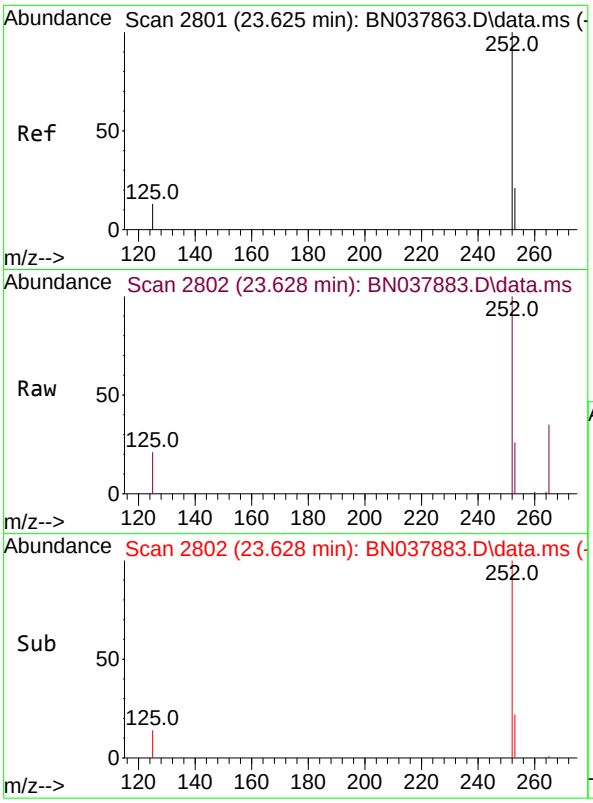


#38
Benzo(k)fluoranthene
Concen: 0.380 ng
RT: 23.072 min Scan# 2612
Delta R.T. 0.000 min
Lab File: BN037883.D
Acq: 25 Sep 2025 11:31

Tgt Ion:252 Resp: 25034

Ion	Ratio	Lower	Upper
252	100		
253	24.2	19.5	29.3
125	16.1	13.0	19.4



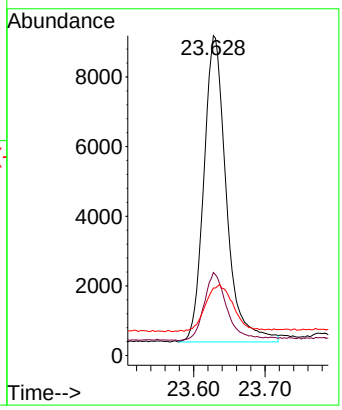


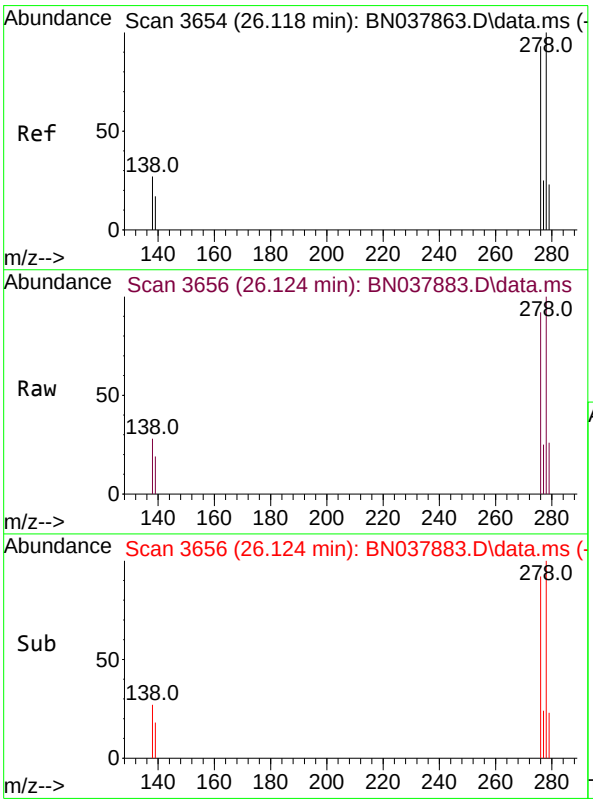
#39
Benzo(a)pyrene
Concen: 0.371 ng
RT: 23.628 min Scan# 28
Delta R.T. 0.003 min
Lab File: BN037883.D
Acq: 25 Sep 2025 11:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 19225

Ion	Ratio	Lower	Upper
252	100		
253	26.0	20.6	30.8
125	21.1	16.7	25.1

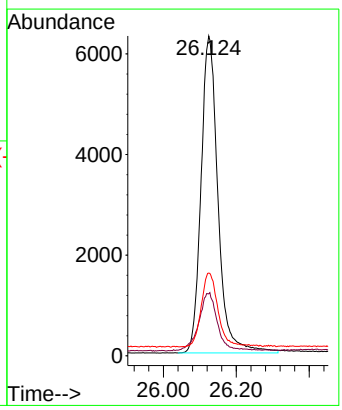


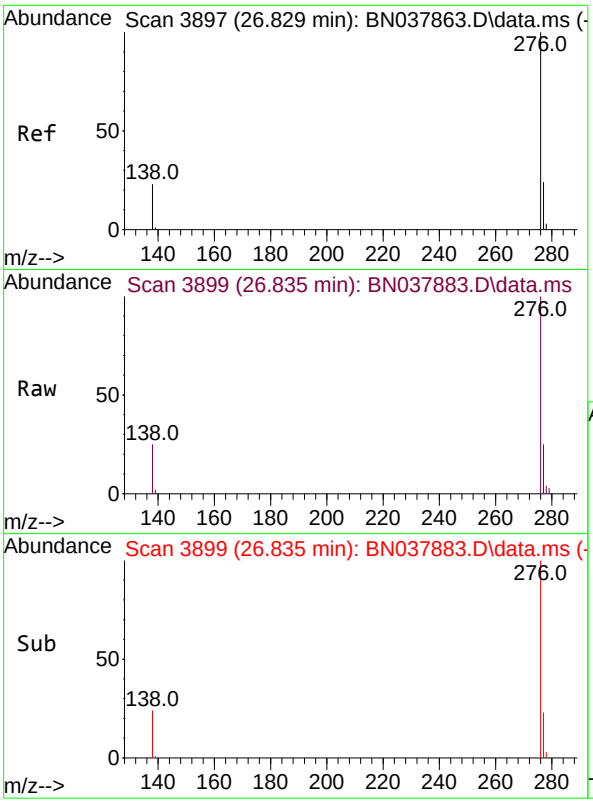


#40
Dibenzo(a,h)anthracene
Concen: 0.375 ng
RT: 26.124 min Scan# 3656
Delta R.T. 0.006 min
Lab File: BN037883.D
Acq: 25 Sep 2025 11:31

Tgt Ion:278 Resp: 20318

Ion	Ratio	Lower	Upper
278	100		
139	19.4	15.4	23.2
279	25.9	20.8	31.2



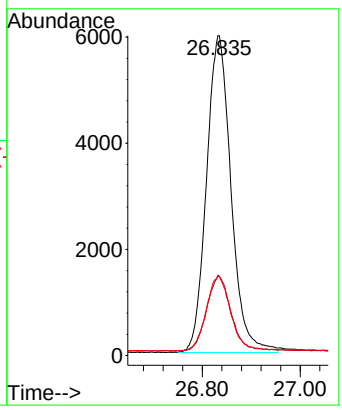


#41
Benzo(g,h,i)perylene
Concen: 0.366 ng
RT: 26.835 min Scan# 3
Delta R.T. 0.006 min
Lab File: BN037883.D
Acq: 25 Sep 2025 11:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 20812

Ion	Ratio	Lower	Upper
276	100		
277	24.7	20.2	30.4
138	24.9	19.8	29.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092525\
Data File : BN037883.D
Acq On : 25 Sep 2025 11:31
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Quant Time: Sep 25 13:29:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 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	102	0.00
2		1,4-Dioxane	0.406	0.421	-3.7	105	0.00
3		n-Nitrosodimethylamine	0.540	0.519	3.9	102	0.00
4	S	2-Fluorophenol	0.913	0.967	-5.9	115	0.00
5	S	Phenol-d6	1.199	1.243	-3.7	113	0.00
6		bis(2-Chloroethyl)ether	1.113	1.110	0.3	105	0.00
7	I	Naphthalene-d8	1.000	1.000	0.0	107	0.00
8	S	Nitrobenzene-d5	0.305	0.321	-5.2	119	0.00
9		Naphthalene	1.102	1.100	0.2	113	0.00
10		Hexachlorobutadiene	0.188	0.193	-2.7	114	0.00
11	SURR	2-Methylnaphthalene-d10	0.556	0.515	7.4	111	0.00
12		2-Methylnaphthalene	0.720	0.697	3.2	112	0.00
13	I	Acenaphthene-d10	1.000	1.000	0.0	108	0.00
14	S	2,4,6-Tribromophenol	0.152	0.143	5.9	115	0.00
15	S	2-Fluorobiphenyl	1.638	1.650	-0.7	115	0.00
16		Acenaphthylene	1.816	1.726	5.0	113	0.00
17		Acenaphthene	1.294	1.242	4.0	112	0.00
18		Fluorene	1.565	1.525	2.6	114	0.00
19	I	Phenanthrene-d10	1.000	1.000	0.0	114	0.00
20		4,6-Dinitro-2-methylphenol	0.057	0.045	21.1	118	0.00
21		4-Bromophenyl-phenylether	0.261	0.236	9.6	110	0.00
22		Hexachlorobenzene	0.316	0.306	3.2	115	0.00
23		Atrazine	0.199	0.196	1.5	130	0.00
24		Pentachlorophenol	0.108	0.095	12.0	118	0.00
25		Phenanthrene	1.316	1.236	6.1	115	0.00
26		Anthracene	1.142	1.026	10.2	115	0.00
27	SURR	Fluoranthene-d10	1.006	0.915	9.0	118	0.00
28		Fluoranthene	1.450	1.327	8.5	116	0.00
29	I	Chrysene-d12	1.000	1.000	0.0	117	0.00
30		Pyrene	1.579	1.498	5.1	116	0.00
31	S	Terphenyl-d14	0.797	0.754	5.4	118	0.00
32		Benzo(a)anthracene	1.398	1.302	6.9	118	0.00
33		Chrysene	1.512	1.468	2.9	118	0.00
34		Bis(2-ethylhexyl)phthalate	0.553	0.487	11.9	117	0.00
35	I	Perylene-d12	1.000	1.000	0.0	121	0.00
36		Indeno(1,2,3-cd)pyrene	1.828	1.724	5.7	125	0.00
37		Benzo(b)fluoranthene	1.725	1.601	7.2	118	0.00
38		Benzo(k)fluoranthene	1.736	1.649	5.0	125	0.00
39	C	Benzo(a)pyrene	1.364	1.266	7.2	124	0.00
40		Dibenzo(a,h)anthracene	1.427	1.338	6.2	124	0.00
41		Benzo(g,h,i)perylene	1.499	1.371	8.5	118	0.00

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092525\
Data File : BN037883.D
Acq On : 25 Sep 2025 11:31
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Quant Time: Sep 25 13:29:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 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	102	0.00
2		1,4-Dioxane	0.400	0.415	-3.7	105	0.00
3		n-Nitrosodimethylamine	0.400	0.385	3.8	102	0.00
4	S	2-Fluorophenol	0.400	0.424	-6.0	115	0.00
5	S	Phenol-d6	0.400	0.415	-3.7	113	0.00
6		bis(2-Chloroethyl)ether	0.400	0.399	0.3	105	0.00
7	I	Naphthalene-d8	0.400	0.400	0.0	107	0.00
8	S	Nitrobenzene-d5	0.400	0.421	-5.2	119	0.00
9		Naphthalene	0.400	0.399	0.3	113	0.00
10		Hexachlorobutadiene	0.400	0.410	-2.5	114	0.00
11	SURR	2-Methylnaphthalene-d10	0.400	0.371	7.3	111	0.00
12		2-Methylnaphthalene	0.400	0.387	3.3	112	0.00
13	I	Acenaphthene-d10	0.400	0.400	0.0	108	0.00
14	S	2,4,6-Tribromophenol	0.400	0.378	5.5	115	0.00
15	S	2-Fluorobiphenyl	0.400	0.403	-0.8	115	0.00
16		Acenaphthylene	0.400	0.380	5.0	113	0.00
17		Acenaphthene	0.400	0.384	4.0	112	0.00
18		Fluorene	0.400	0.390	2.5	114	0.00
19	I	Phenanthrene-d10	0.400	0.400	0.0	114	0.00
20		4,6-Dinitro-2-methylphenol	0.400	0.416	-4.0	118	0.00
21		4-Bromophenyl-phenylether	0.400	0.362	9.5	110	0.00
22		Hexachlorobenzene	0.400	0.387	3.3	115	0.00
23		Atrazine	0.400	0.394	1.5	130	0.00
24		Pentachlorophenol	0.400	0.351	12.3	118	0.00
25		Phenanthrene	0.400	0.375	6.3	115	0.00
26		Anthracene	0.400	0.359	10.3	115	0.00
27	SURR	Fluoranthene-d10	0.400	0.364	9.0	118	0.00
28		Fluoranthene	0.400	0.366	8.5	116	0.00
29	I	Chrysene-d12	0.400	0.400	0.0	117	0.00
30		Pyrene	0.400	0.380	5.0	116	0.00
31	S	Terphenyl-d14	0.400	0.379	5.3	118	0.00
32		Benzo(a)anthracene	0.400	0.373	6.8	118	0.00
33		Chrysene	0.400	0.389	2.8	118	0.00
34		Bis(2-ethylhexyl)phthalate	0.400	0.352	12.0	117	0.00
35	I	Perylene-d12	0.400	0.400	0.0	121	0.00
36		Indeno(1,2,3-cd)pyrene	0.400	0.377	5.8	125	0.00
37		Benzo(b)fluoranthene	0.400	0.371	7.3	118	0.00
38		Benzo(k)fluoranthene	0.400	0.380	5.0	125	0.00
39	C	Benzo(a)pyrene	0.400	0.371	7.3	124	0.00
40		Dibenzo(a,h)anthracene	0.400	0.375	6.3	124	0.00
41		Benzo(g,h,i)perylene	0.400	0.366	8.5	118	0.00

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

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	Alliance	Contract:	AECO15
Lab Code:	ACE	SDG No.:	Q3156
Instrument ID:	BNA_N	Calibration Date/Time:	09/25/2025 22:31
Lab File ID:	BN037901.D	Init. Calib. Date(s):	09/23/2025 09/23/2025
EPA Sample No.:	SSTDCCC0.4EC	Init. Calib. Time(s):	12:13 15:51

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.556	0.514		-7.6	50.0
Fluoranthene-d10	1.006	0.920		-8.5	50.0
2-Fluorophenol	0.913	0.982		7.6	50.0
Phenol-d6	1.199	1.281		6.8	50.0
Nitrobenzene-d5	0.305	0.313		2.6	50.0
2-Fluorobiphenyl	1.638	1.527		-6.8	50.0
2,4,6-Tribromophenol	0.152	0.142		-6.6	50.0
Terphenyl-d14	0.797	0.761		-4.5	50.0
1,4-Dioxane	0.406	0.415		2.2	50.0

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092525\
Data File : BN037901.D
Acq On : 25 Sep 2025 22:31
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Quant Time: Sep 25 23:51:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration

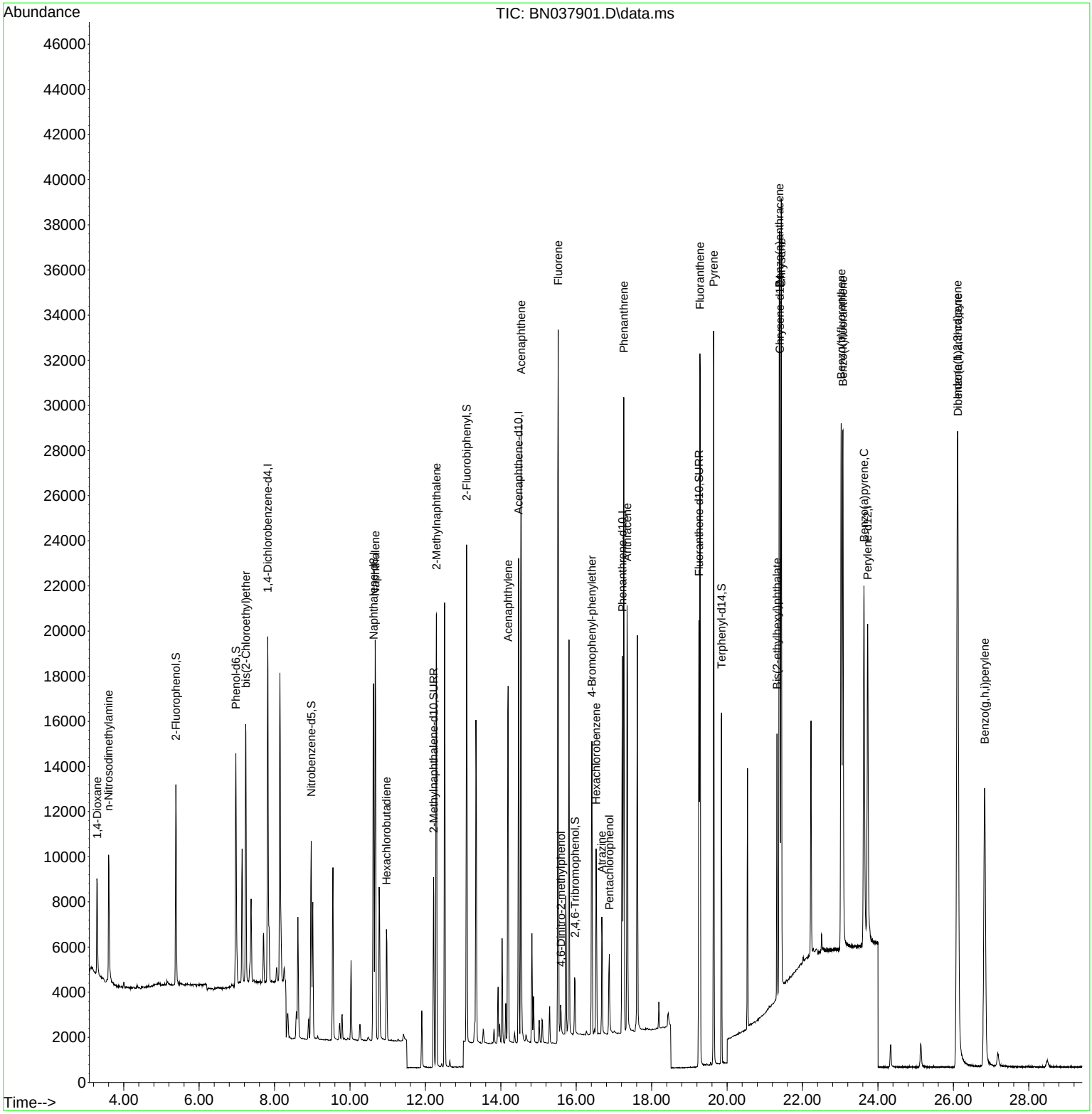
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.818	152	7512	0.400	ng		0.00
7) Naphthalene-d8	10.626	136	21514	0.400	ng		0.00
13) Acenaphthene-d10	14.473	164	11178	0.400	ng		0.00
19) Phenanthrene-d10	17.223	188	22063	0.400	ng		0.00
29) Chrysene-d12	21.402	240	18965	0.400	ng		0.00
35) Perylene-d12	23.730	264	19432	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.384	112	7379	0.430	ng		0.00
5) Phenol-d6	6.973	99	9626	0.427	ng		0.00
8) Nitrobenzene-d5	8.971	82	6744	0.411	ng		0.00
11) 2-Methylnaphthalene-d10	12.217	152	11067	0.370	ng		0.00
14) 2,4,6-Tribromophenol	15.969	330	1585	0.374	ng		0.00
15) 2-Fluorobiphenyl	13.094	172	17074	0.373	ng		0.00
27) Fluoranthene-d10	19.253	212	20296	0.366	ng		0.00
31) Terphenyl-d14	19.852	244	14438	0.382	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.297	88	3121	0.409	ng		97
3) n-Nitrosodimethylamine	3.600	42	3686	0.363	ng	#	91
6) bis(2-Chloroethyl)ether	7.240	93	8515	0.407	ng		100
9) Naphthalene	10.669	128	23529	0.397	ng		99
10) Hexachlorobutadiene	10.968	225	4020	0.398	ng	#	100
12) 2-Methylnaphthalene	12.293	142	14799	0.382	ng		98
16) Acenaphthylene	14.195	152	18759	0.370	ng		100
17) Acenaphthene	14.537	154	13596	0.376	ng		99
18) Fluorene	15.523	166	16239	0.371	ng		100
20) 4,6-Dinitro-2-methylph...	15.597	198	976	0.410	ng	#	87
21) 4-Bromophenyl-phenylether	16.416	248	5160	0.359	ng		94
22) Hexachlorobenzene	16.528	284	6462	0.371	ng		99
23) Atrazine	16.677	200	4270	0.390	ng	#	90
24) Pentachlorophenol	16.875	266	1948	0.326	ng		98
25) Phenanthrene	17.260	178	26713	0.368	ng		100
26) Anthracene	17.347	178	22252	0.353	ng		100
28) Fluoranthene	19.280	202	28968	0.362	ng		99
30) Pyrene	19.643	202	28732	0.384	ng		99
32) Benzo(a)anthracene	21.384	228	24796	0.374	ng		100
33) Chrysene	21.438	228	27866	0.389	ng		100
34) Bis(2-ethylhexyl)phtha...	21.322	149	9764	0.372	ng		98
36) Indeno(1,2,3-cd)pyrene	26.107	276	37256	0.420	ng		98
37) Benzo(b)fluoranthene	23.025	252	30958	0.369	ng		99
38) Benzo(k)fluoranthene	23.072	252	30978	0.367	ng		100
39) Benzo(a)pyrene	23.630	252	25319	0.382	ng	#	95
40) Dibenzo(a,h)anthracene	26.118	278	28899	0.417	ng		99
41) Benzo(g,h,i)perylene	26.832	276	28258	0.388	ng		99

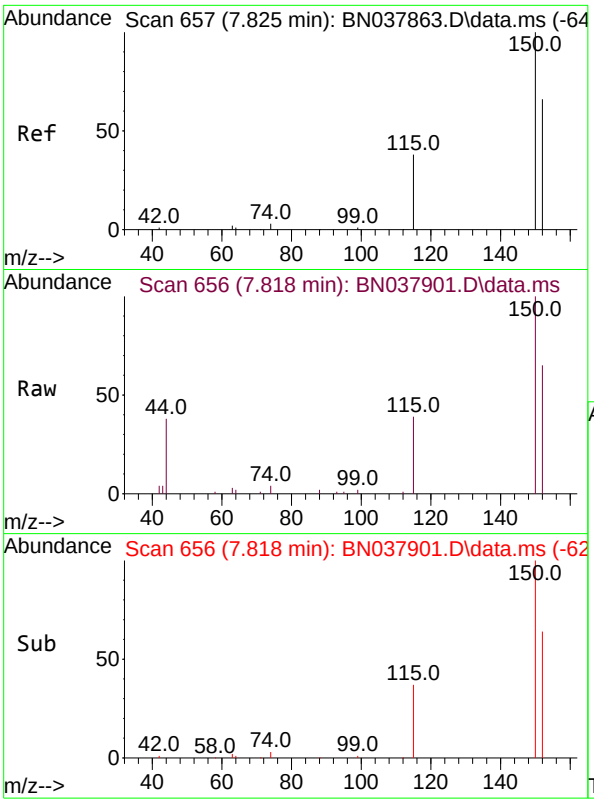
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092525\
Data File : BN037901.D
Acq On : 25 Sep 2025 22:31
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Quant Time: Sep 25 23:51:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration



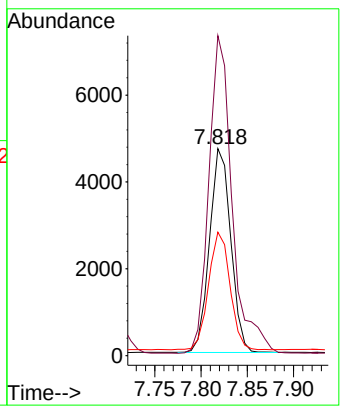


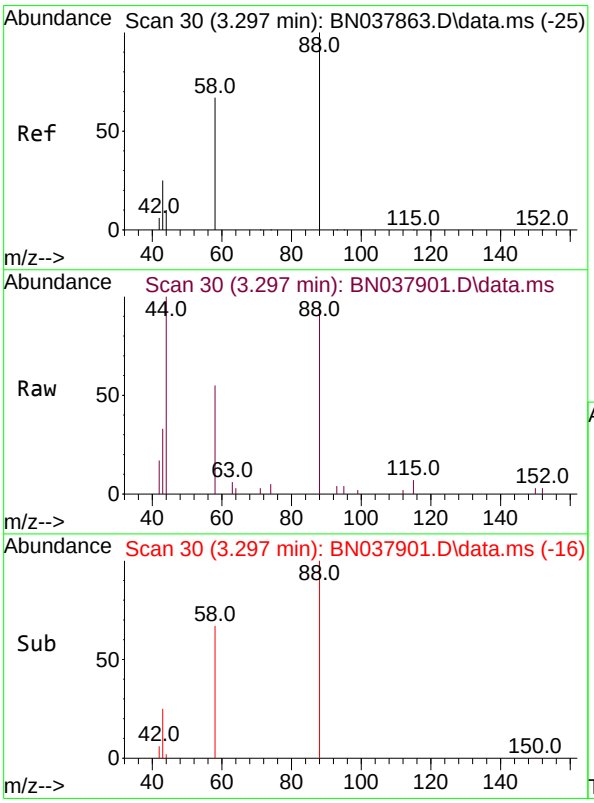
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.818 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN037901.D
Acq: 25 Sep 2025 22:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 7512

Ion	Ratio	Lower	Upper
152	100		
150	154.6	121.0	181.4
115	59.6	47.4	71.0

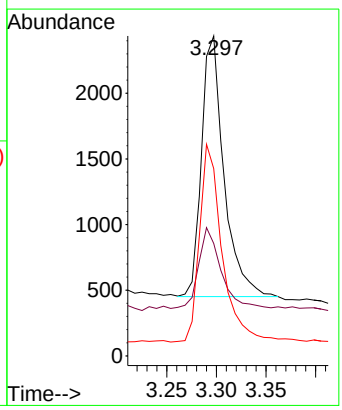


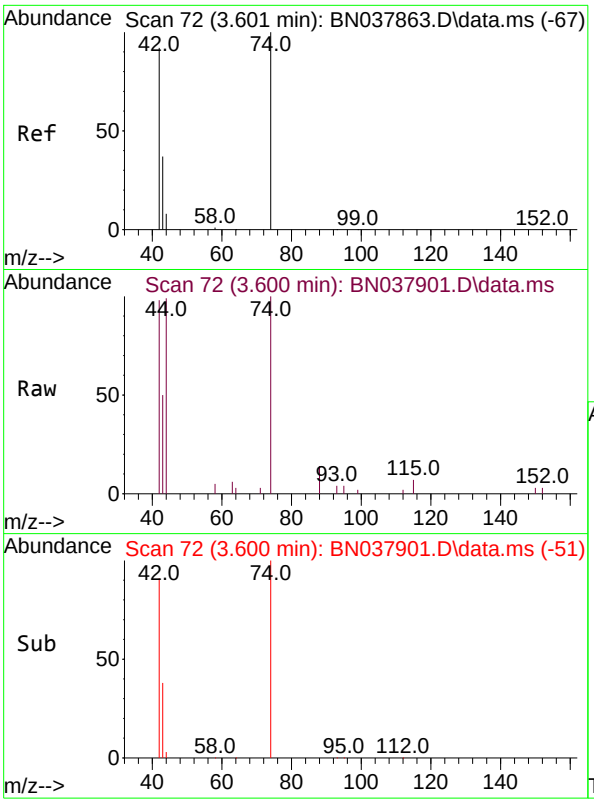


#2
1,4-Dioxane
Concen: 0.409 ng
RT: 3.297 min Scan# 30
Delta R.T. -0.000 min
Lab File: BN037901.D
Acq: 25 Sep 2025 22:31

Tgt Ion: 88 Resp: 3121

Ion	Ratio	Lower	Upper
88	100		
43	31.9	26.6	39.8
58	76.2	58.9	88.3



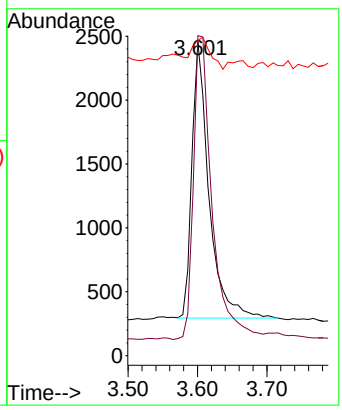


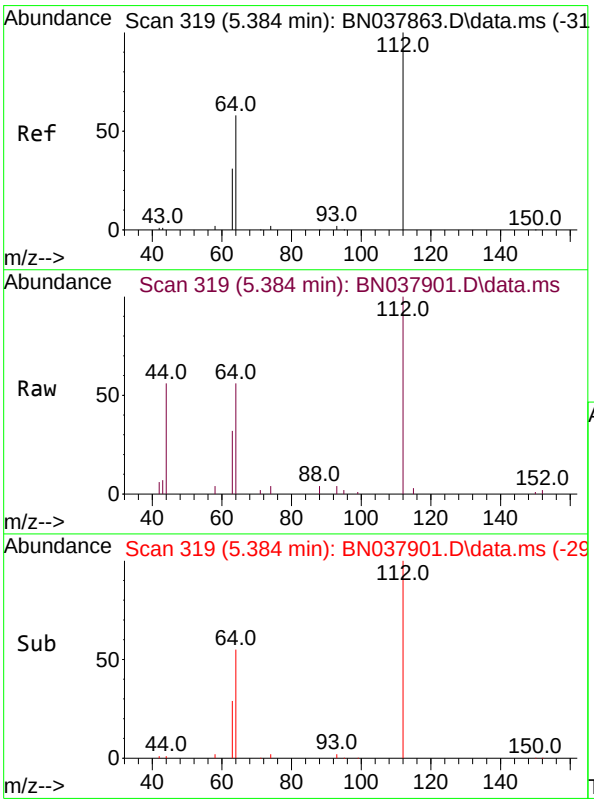
#3
n-Nitrosodimethylamine
Concen: 0.363 ng
RT: 3.600 min Scan# 7
Delta R.T. -0.000 min
Lab File: BN037901.D
Acq: 25 Sep 2025 22:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 42 Resp: 3686

Ion	Ratio	Lower	Upper
42	100		
74	121.1	93.4	140.0
44	11.4	22.2	33.4#

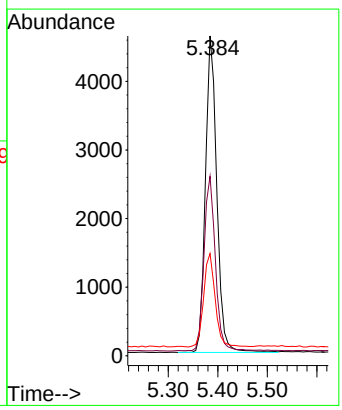


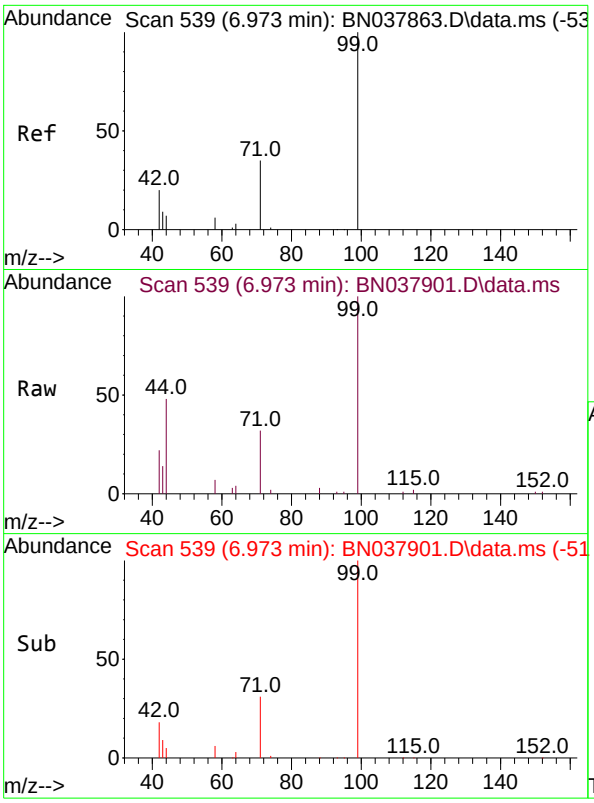


#4
2-Fluorophenol
Concen: 0.430 ng
RT: 5.384 min Scan# 319
Delta R.T. -0.000 min
Lab File: BN037901.D
Acq: 25 Sep 2025 22:31

Tgt Ion:112 Resp: 7379

Ion	Ratio	Lower	Upper
112	100		
64	54.9	44.6	66.8
63	30.0	24.9	37.3



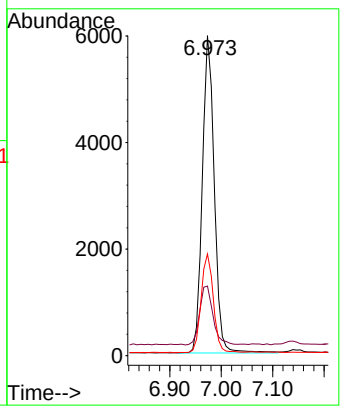


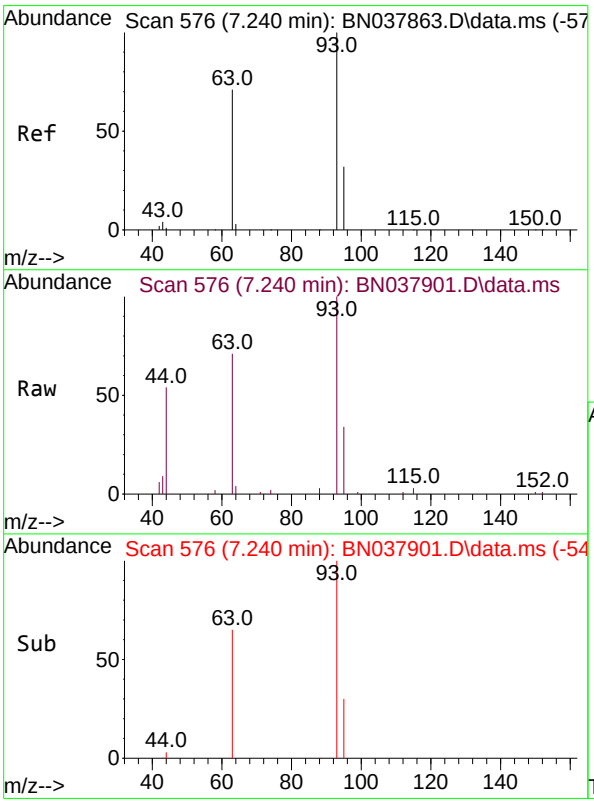
#5
Phenol-d6
Concen: 0.427 ng
RT: 6.973 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN037901.D
Acq: 25 Sep 2025 22:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 99 Resp: 9626

Ion	Ratio	Lower	Upper
99	100		
42	20.8	17.2	25.8
71	31.7	27.3	40.9

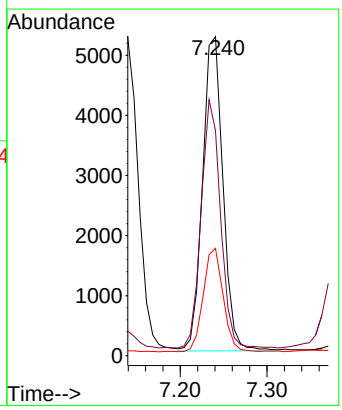


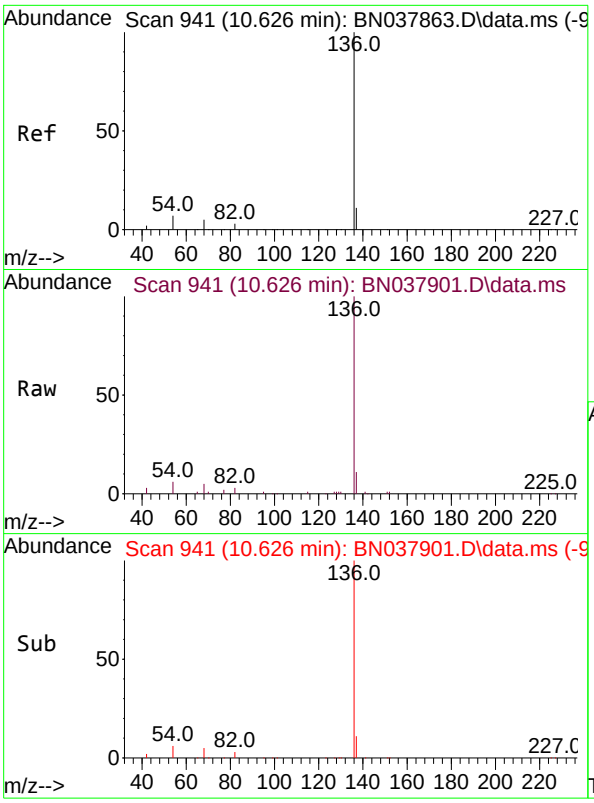


#6
bis(2-Chloroethyl)ether
Concen: 0.407 ng
RT: 7.240 min Scan# 576
Delta R.T. 0.000 min
Lab File: BN037901.D
Acq: 25 Sep 2025 22:31

Tgt Ion: 93 Resp: 8515

Ion	Ratio	Lower	Upper
93	100		
63	75.0	60.1	90.1
95	32.2	25.4	38.2



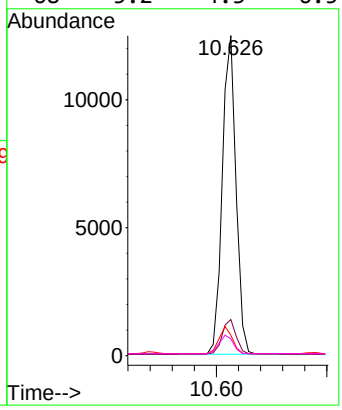


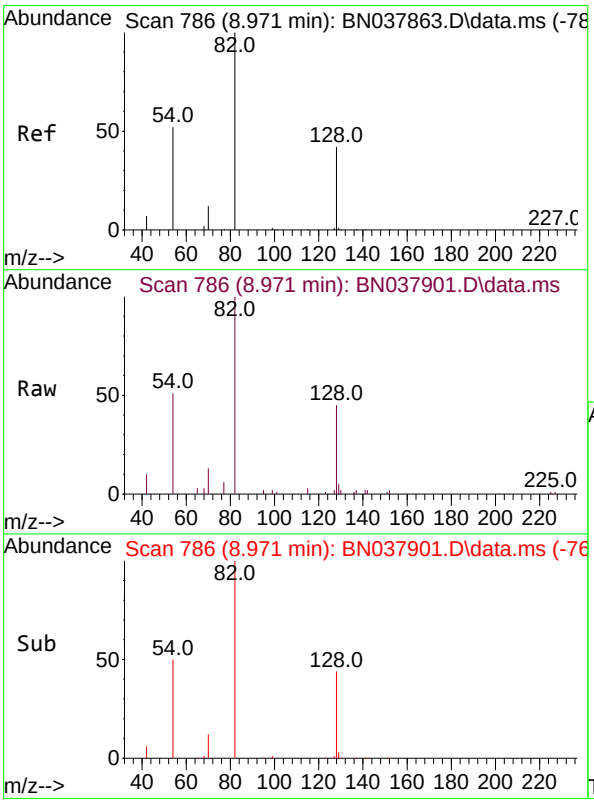
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.626 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN037901.D
Acq: 25 Sep 2025 22:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:136 Resp: 21514

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.4
54	6.4	5.8	8.8
68	5.2	4.3	6.5

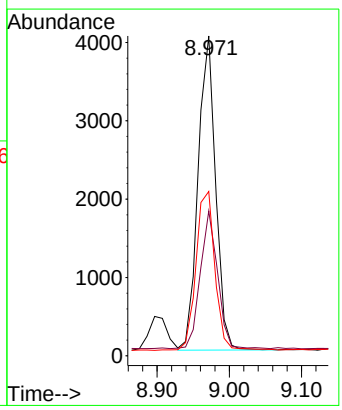


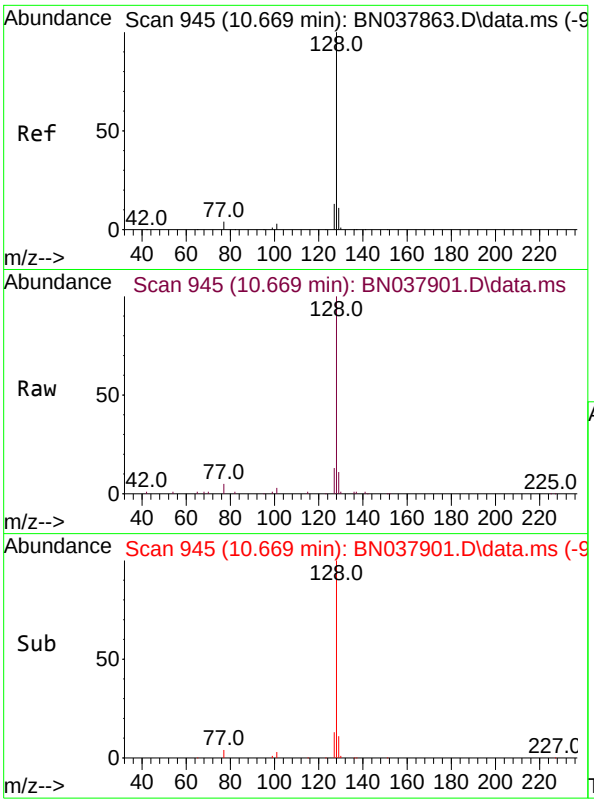


#8
Nitrobenzene-d5
Concen: 0.411 ng
RT: 8.971 min Scan# 786
Delta R.T. -0.000 min
Lab File: BN037901.D
Acq: 25 Sep 2025 22:31

Tgt Ion: 82 Resp: 6744

Ion	Ratio	Lower	Upper
82	100		
128	45.2	34.8	52.2
54	51.3	42.2	63.2



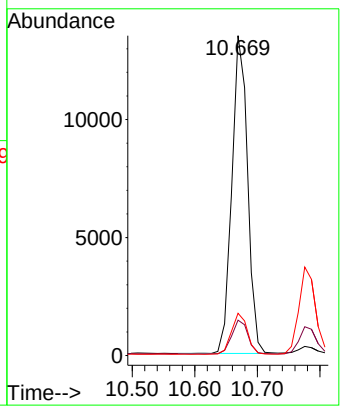


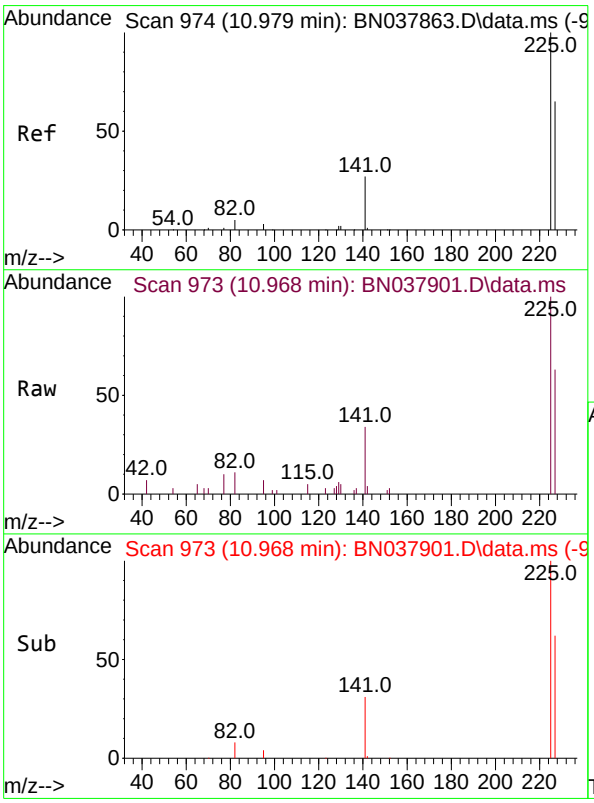
#9
Naphthalene
Concen: 0.397 ng
RT: 10.669 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN037901.D
Acq: 25 Sep 2025 22:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:128 Resp: 23529

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.2	13.8
127	13.2	11.0	16.6

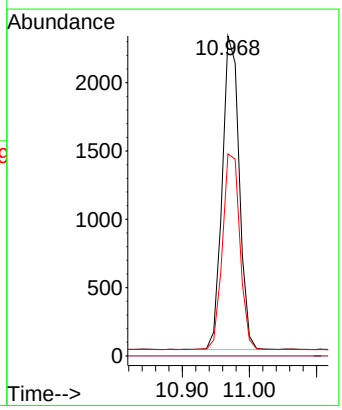


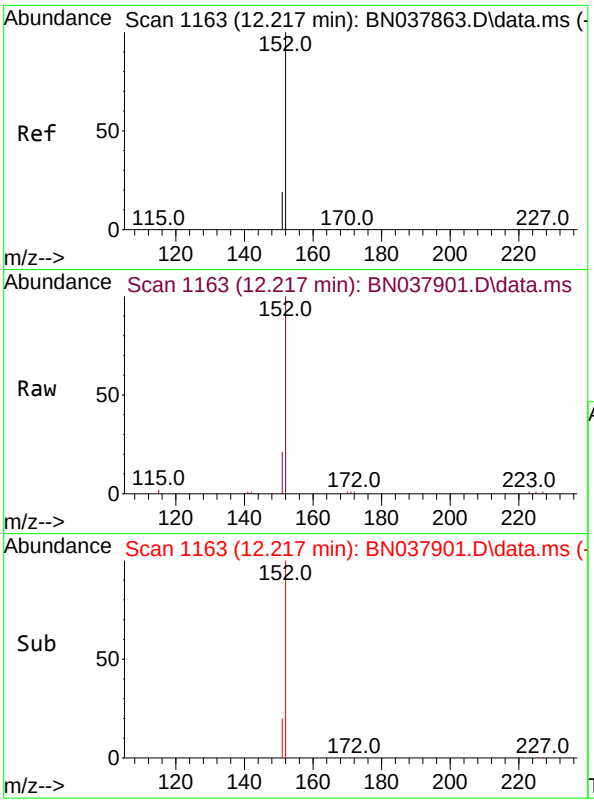


#10
Hexachlorobutadiene
Concen: 0.398 ng
RT: 10.968 min Scan# 973
Delta R.T. -0.011 min
Lab File: BN037901.D
Acq: 25 Sep 2025 22:31

Tgt Ion:225 Resp: 4020

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.2	51.4	77.2



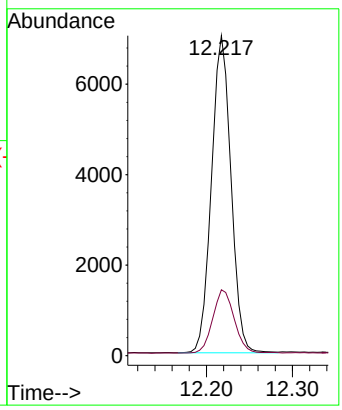


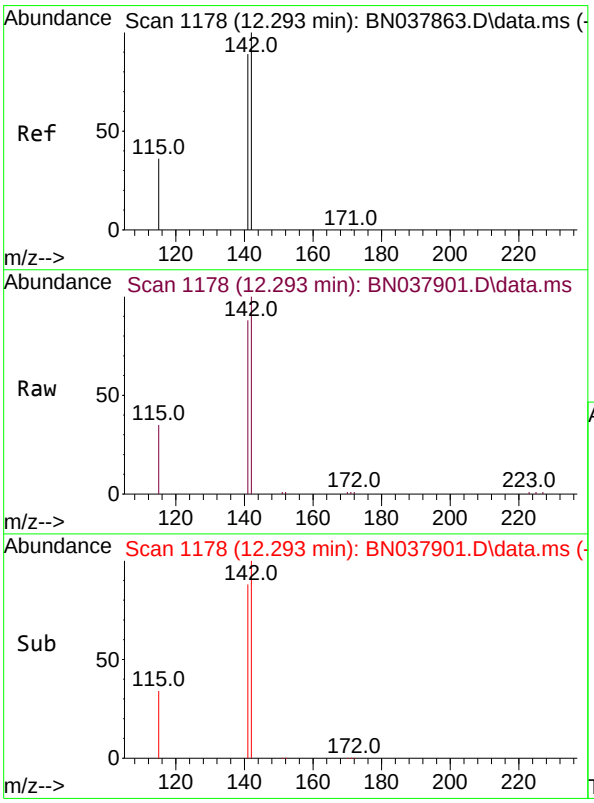
#11
2-Methylnaphthalene-d10
Concen: 0.370 ng
RT: 12.217 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN037901.D
Acq: 25 Sep 2025 22:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 11067

Ion	Ratio	Lower	Upper
152	100		
151	21.8	17.4	26.2

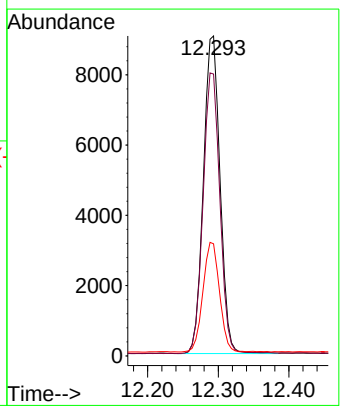


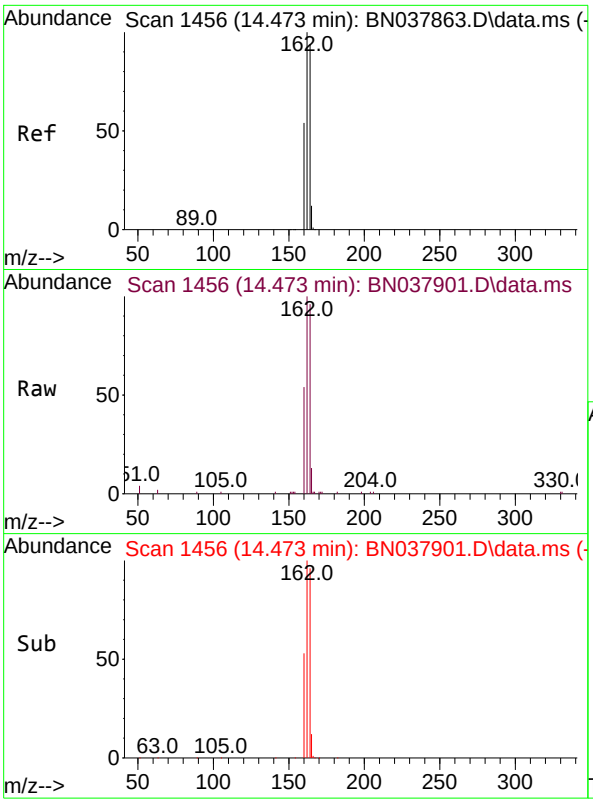


#12
2-Methylnaphthalene
Concen: 0.382 ng
RT: 12.293 min Scan# 1178
Delta R.T. -0.000 min
Lab File: BN037901.D
Acq: 25 Sep 2025 22:31

Tgt Ion:142 Resp: 14799

Ion	Ratio	Lower	Upper
142	100		
141	88.1	71.2	106.8
115	35.0	29.7	44.5



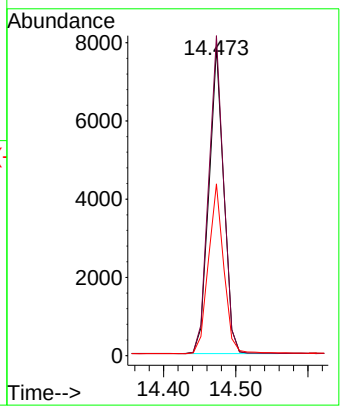


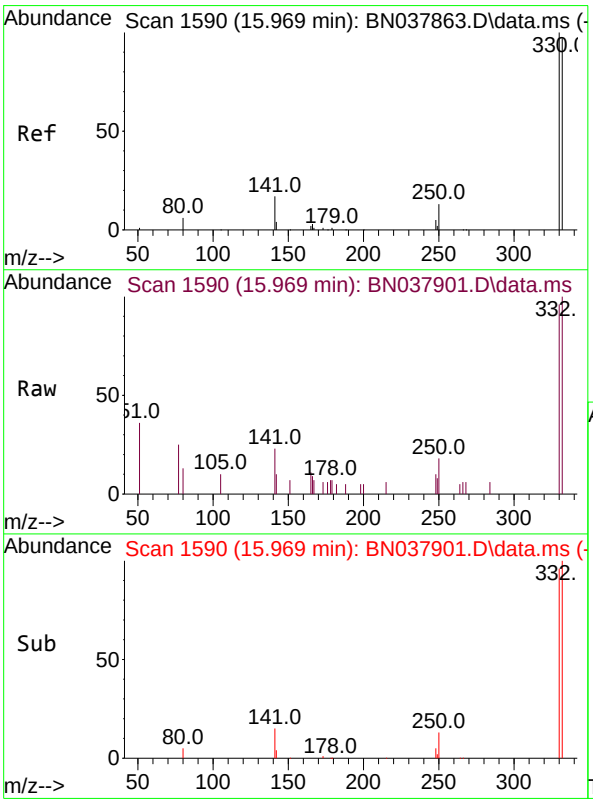
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.473 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN037901.D
Acq: 25 Sep 2025 22:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:164 Resp: 11178

Ion	Ratio	Lower	Upper
164	100		
162	103.8	84.8	127.2
160	55.8	46.1	69.1

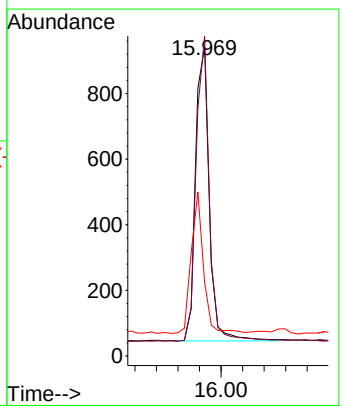


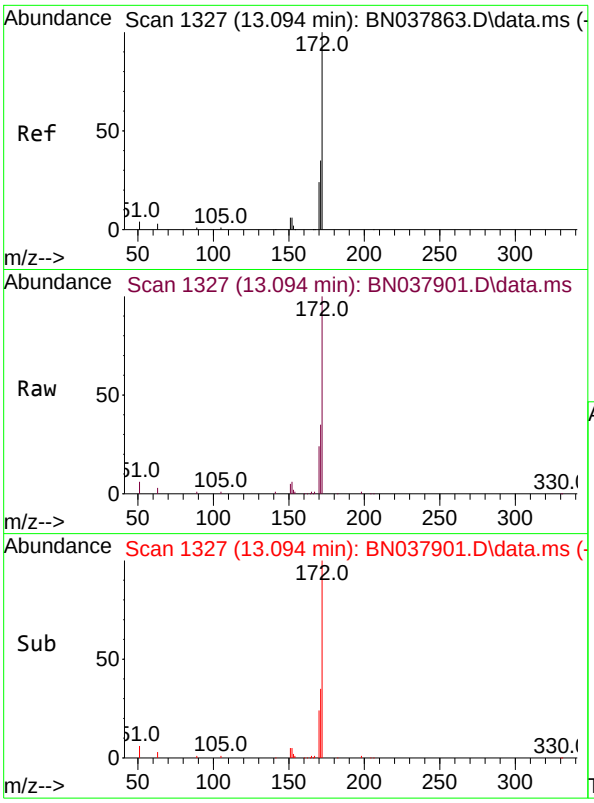


#14
2,4,6-Tribromophenol
Concen: 0.374 ng
RT: 15.969 min Scan# 1590
Delta R.T. 0.000 min
Lab File: BN037901.D
Acq: 25 Sep 2025 22:31

Tgt Ion:330 Resp: 1585

Ion	Ratio	Lower	Upper
330	100		
332	99.7	77.2	115.8
141	42.8	37.2	55.8



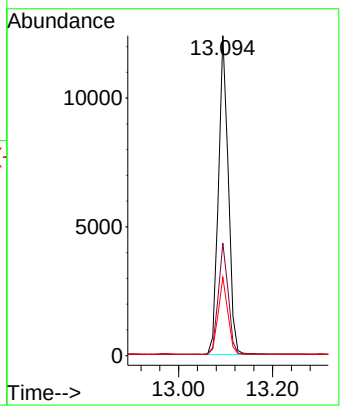


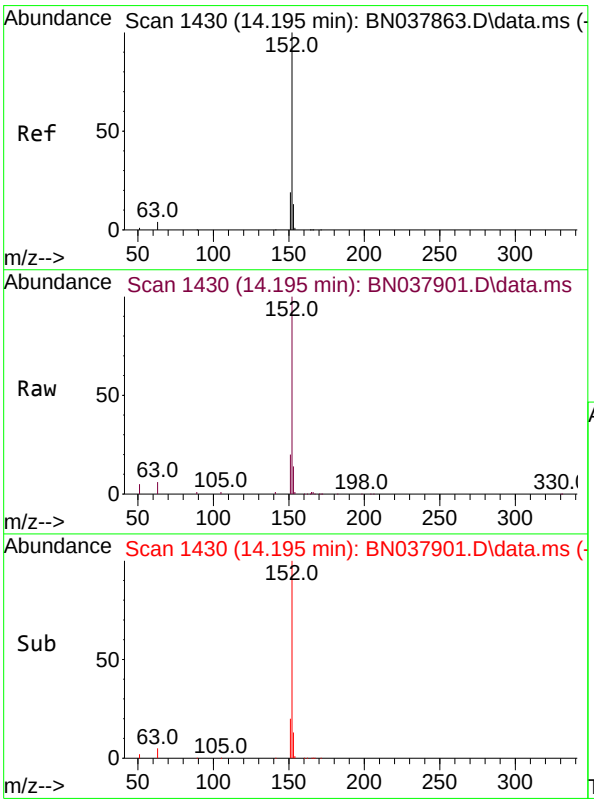
#15
2-Fluorobiphenyl
Concen: 0.373 ng
RT: 13.094 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037901.D
Acq: 25 Sep 2025 22:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:172 Resp: 17074

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.6	43.0
170	24.5	19.7	29.5

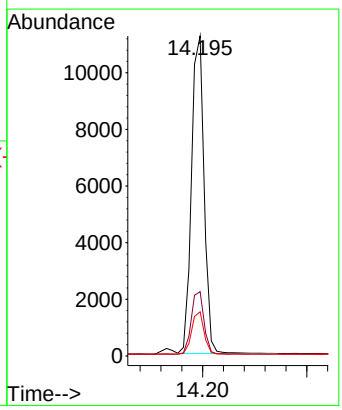


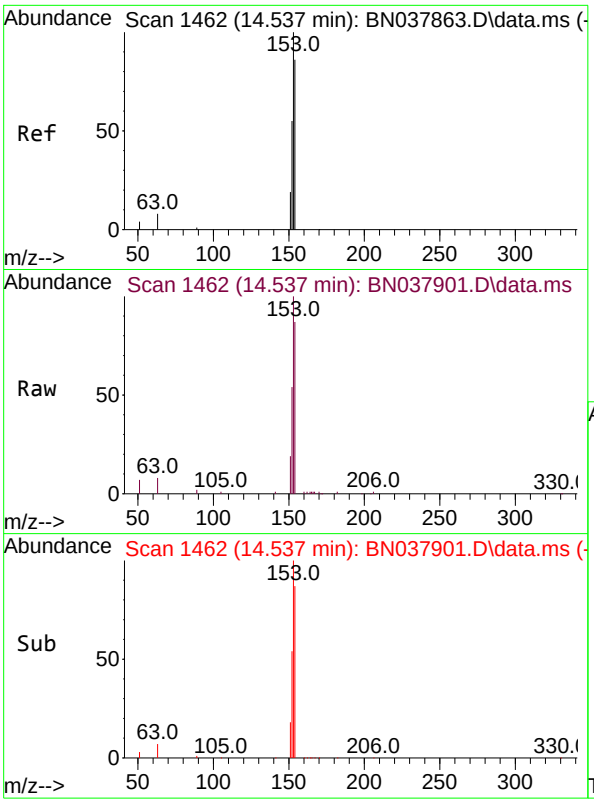


#16
Acenaphthylene
Concen: 0.370 ng
RT: 14.195 min Scan# 1430
Delta R.T. -0.000 min
Lab File: BN037901.D
Acq: 25 Sep 2025 22:31

Tgt Ion:152 Resp: 18759

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.8	23.8
153	13.1	10.5	15.7



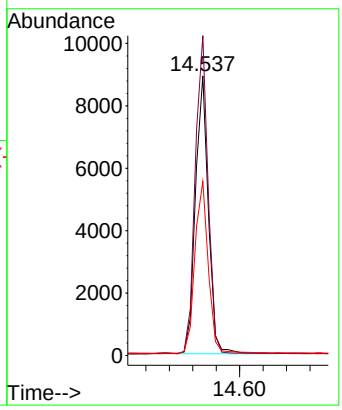


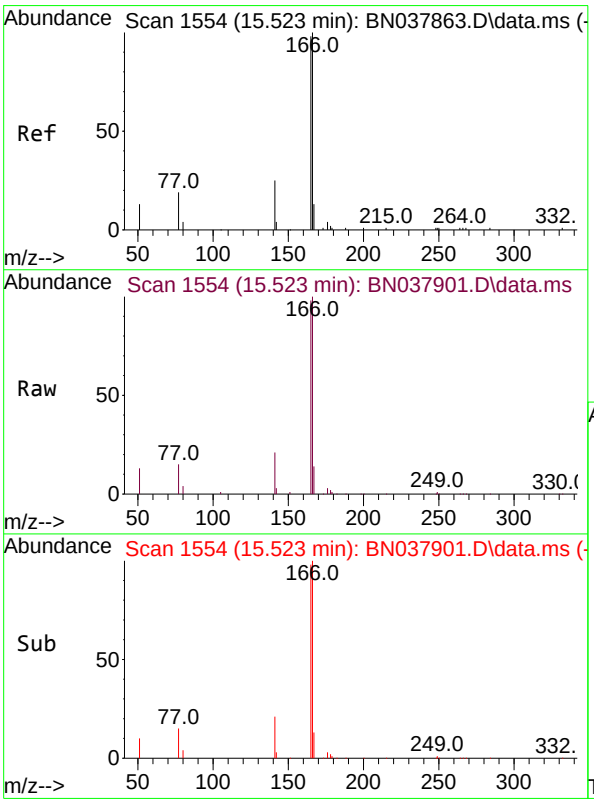
#17
Acenaphthene
Concen: 0.376 ng
RT: 14.537 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037901.D
Acq: 25 Sep 2025 22:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:154 Resp: 13596

Ion	Ratio	Lower	Upper
154	100		
153	113.7	90.5	135.7
152	64.0	51.8	77.8

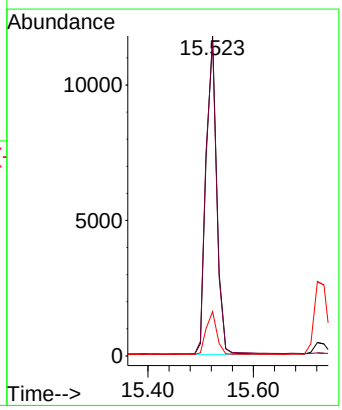


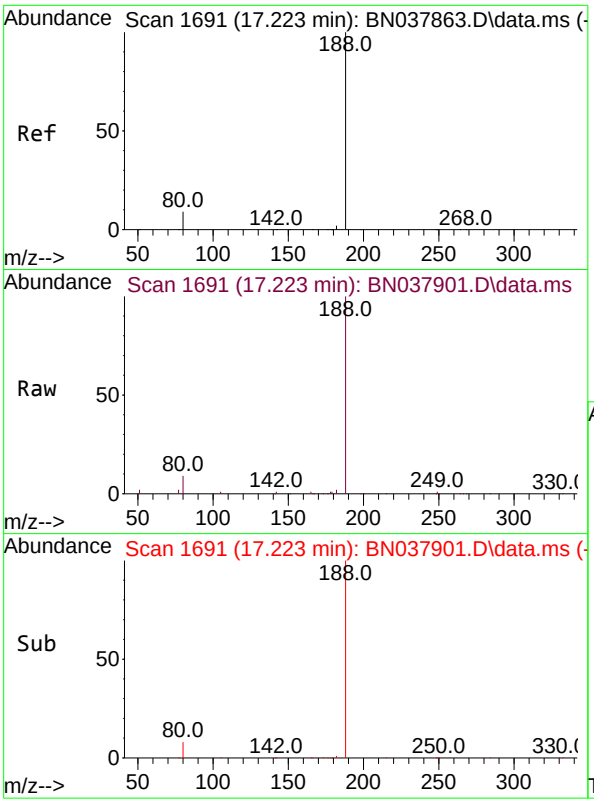


#18
Fluorene
Concen: 0.371 ng
RT: 15.523 min Scan# 1554
Delta R.T. -0.000 min
Lab File: BN037901.D
Acq: 25 Sep 2025 22:31

Tgt Ion:166 Resp: 16239

Ion	Ratio	Lower	Upper
166	100		
165	98.8	79.0	118.4
167	13.1	10.6	16.0



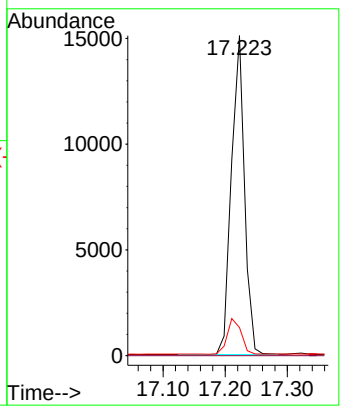


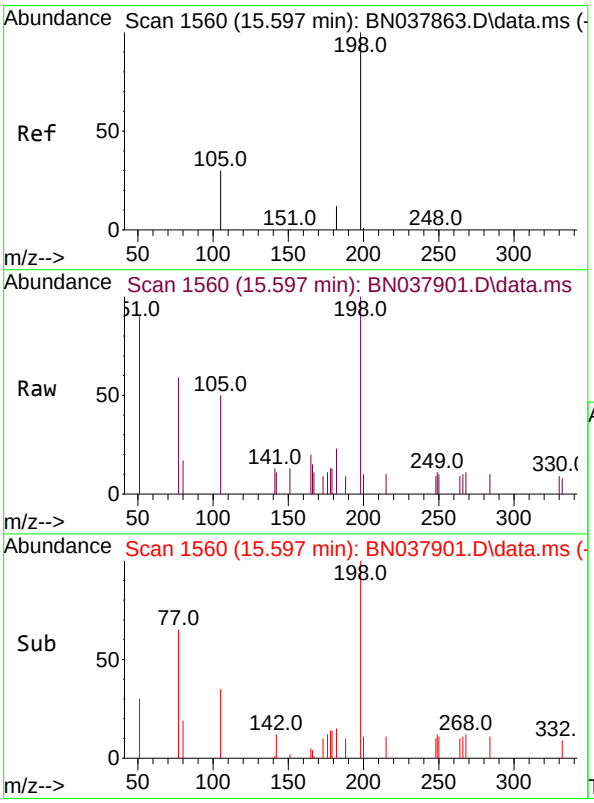
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.223 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037901.D
Acq: 25 Sep 2025 22:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:188 Resp: 22063

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.8	7.6	11.4

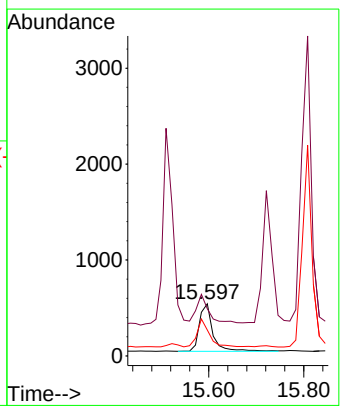


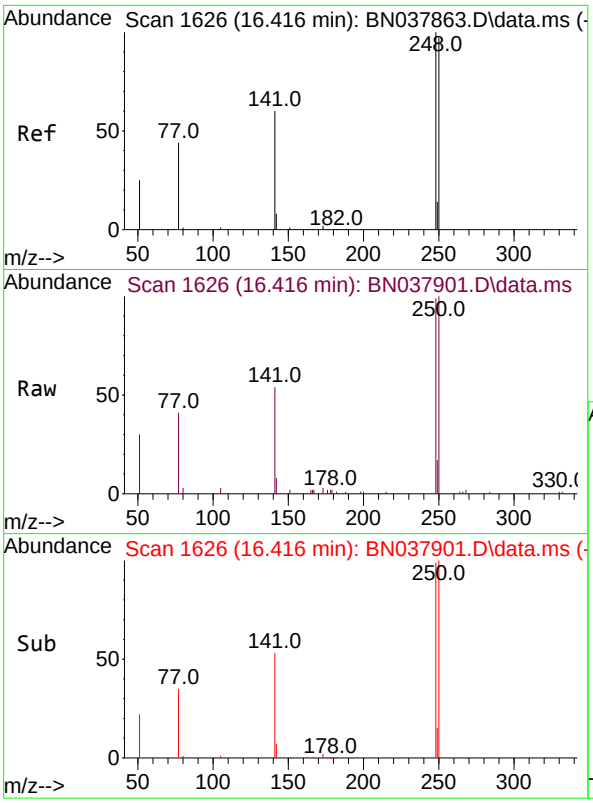


#20
4,6-Dinitro-2-methylphenol
Concen: 0.410 ng
RT: 15.597 min Scan# 1560
Delta R.T. -0.000 min
Lab File: BN037901.D
Acq: 25 Sep 2025 22:31

Tgt Ion:198 Resp: 976

Ion	Ratio	Lower	Upper
198	100		
51	90.3	59.1	88.7#
105	49.6	41.3	61.9



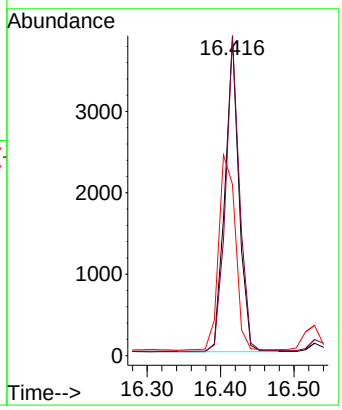


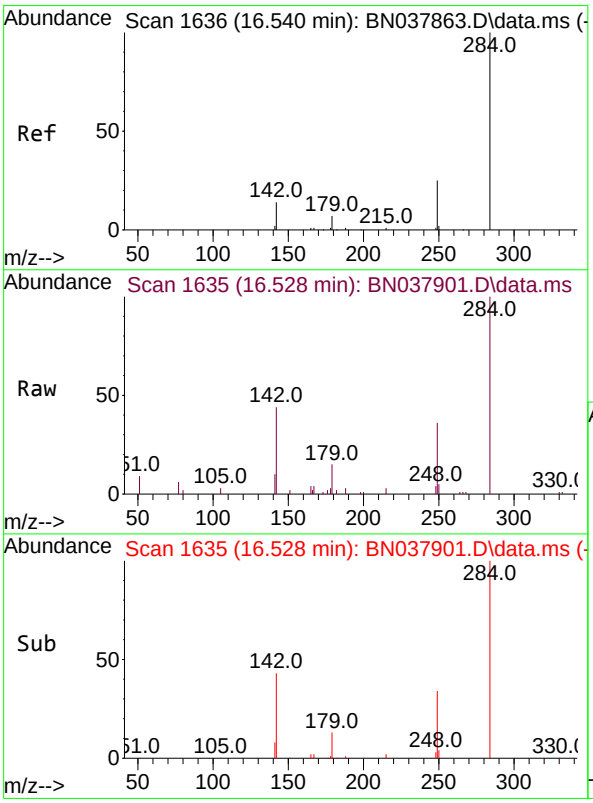
#21
4-Bromophenyl-phenylether
Concen: 0.359 ng
RT: 16.416 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037901.D
Acq: 25 Sep 2025 22:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:248 Resp: 5160

Ion	Ratio	Lower	Upper
248	100		
250	100.8	77.6	116.4
141	53.9	48.8	73.2

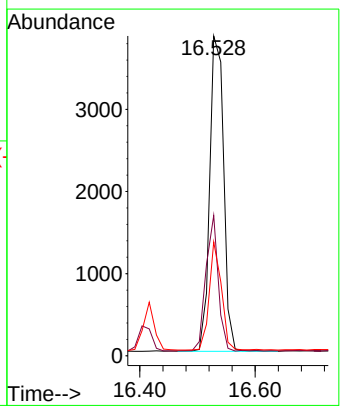


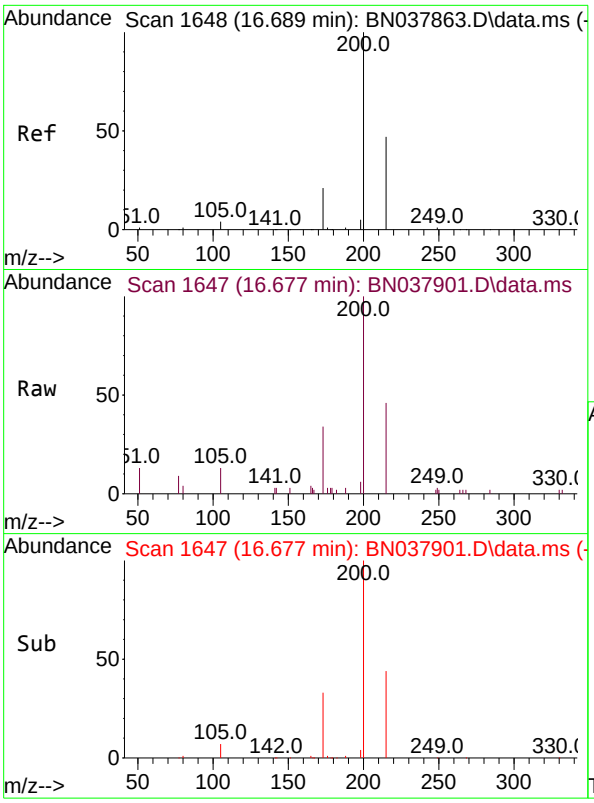


#22
Hexachlorobenzene
Concen: 0.371 ng
RT: 16.528 min Scan# 1635
Delta R.T. -0.012 min
Lab File: BN037901.D
Acq: 25 Sep 2025 22:31

Tgt Ion:284 Resp: 6462

Ion	Ratio	Lower	Upper
284	100		
142	38.1	30.9	46.3
249	30.0	23.9	35.9



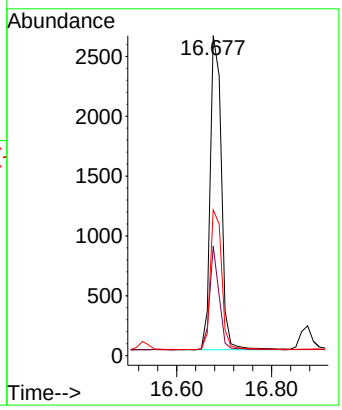


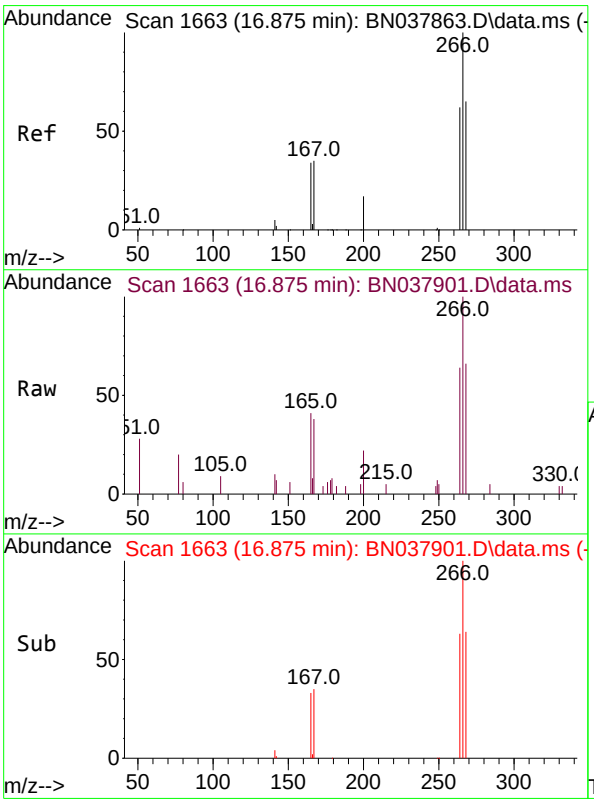
#23
Atrazine
Concen: 0.390 ng
RT: 16.677 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037901.D
Acq: 25 Sep 2025 22:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:200 Resp: 4270

Ion	Ratio	Lower	Upper
200	100		
173	34.2	18.3	27.5#
215	45.5	38.6	58.0

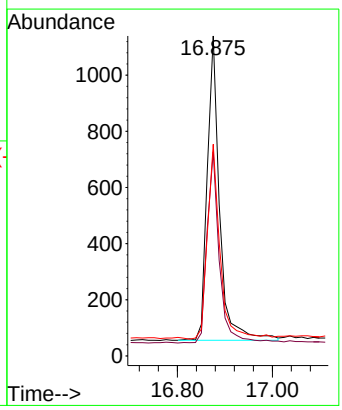


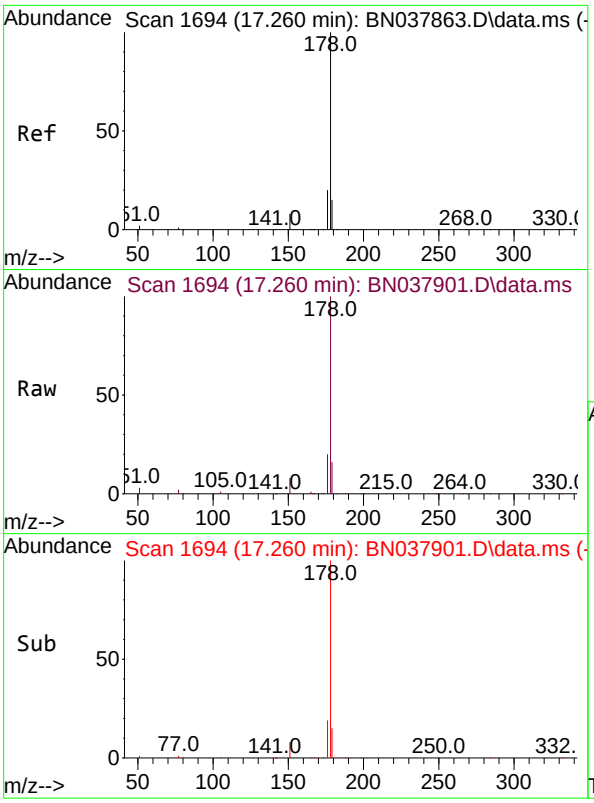


#24
Pentachlorophenol
Concen: 0.326 ng
RT: 16.875 min Scan# 1663
Delta R.T. 0.000 min
Lab File: BN037901.D
Acq: 25 Sep 2025 22:31

Tgt Ion:266 Resp: 1948

Ion	Ratio	Lower	Upper
266	100		
264	63.4	50.9	76.3
268	65.7	54.3	81.5



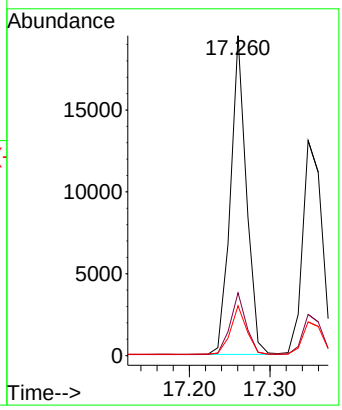


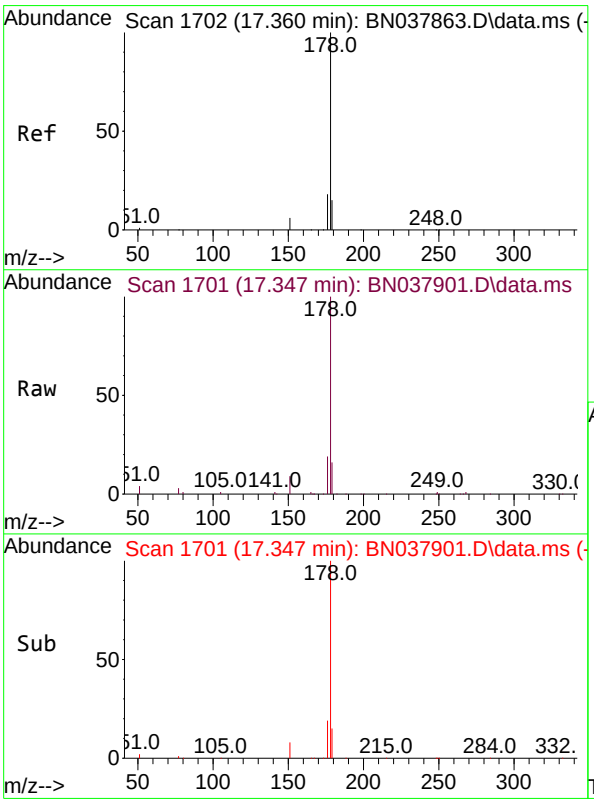
#25
Phenanthrene
Concen: 0.368 ng
RT: 17.260 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037901.D
Acq: 25 Sep 2025 22:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:178 Resp: 26713

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.7	23.5
179	15.4	12.3	18.5

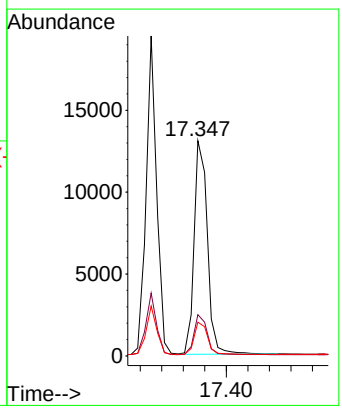


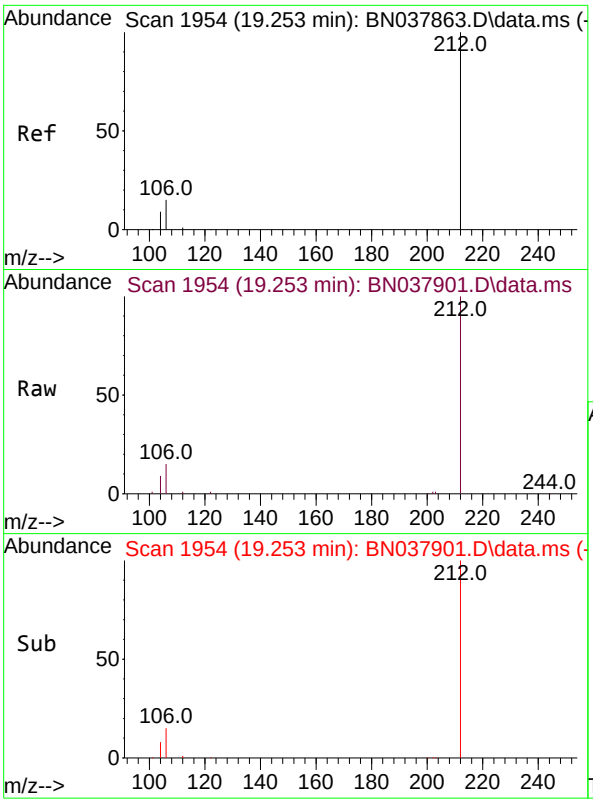


#26
Anthracene
Concen: 0.353 ng
RT: 17.347 min Scan# 1701
Delta R.T. -0.012 min
Lab File: BN037901.D
Acq: 25 Sep 2025 22:31

Tgt Ion:178 Resp: 22252

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.0	22.4
179	15.5	12.3	18.5



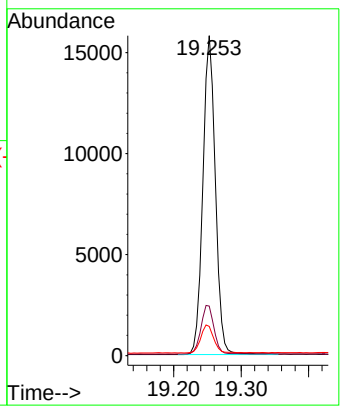


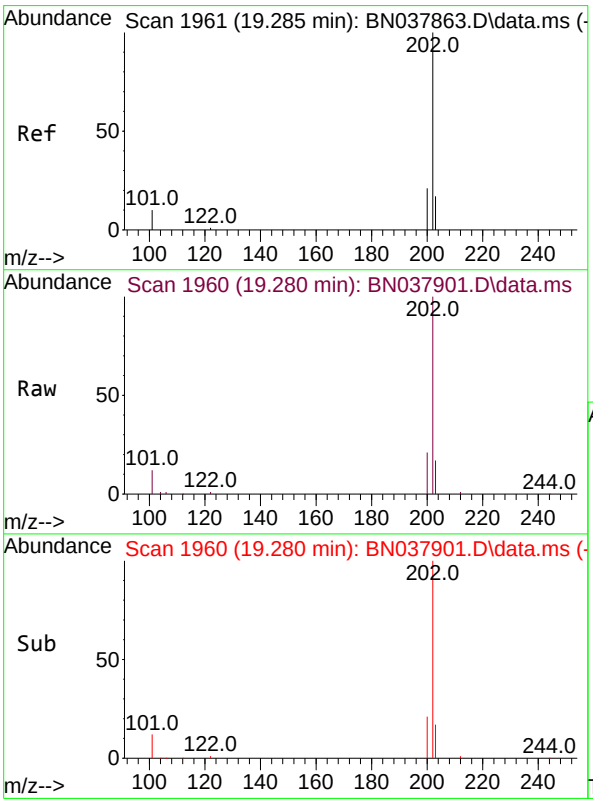
#27
Fluoranthene-d10
Concen: 0.366 ng
RT: 19.253 min Scan# 19
Delta R.T. -0.000 min
Lab File: BN037901.D
Acq: 25 Sep 2025 22:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:212 Resp: 20296

Ion	Ratio	Lower	Upper
212	100		
106	16.0	12.6	19.0
104	9.1	7.4	11.0

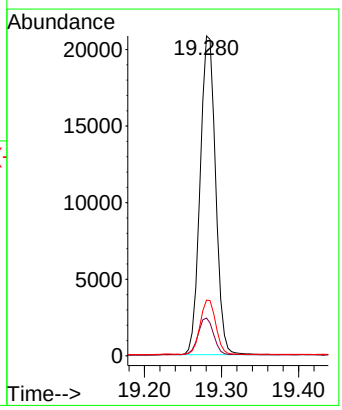


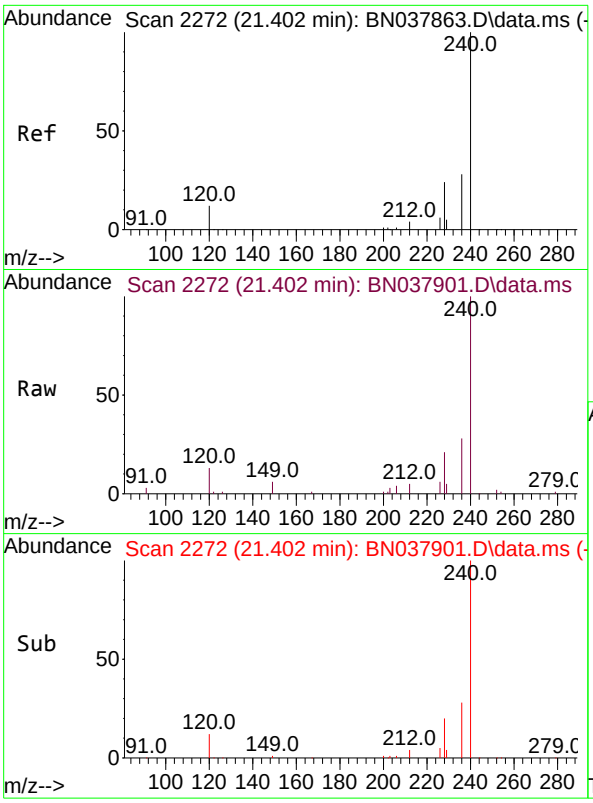


#28
Fluoranthene
Concen: 0.362 ng
RT: 19.280 min Scan# 1960
Delta R.T. -0.005 min
Lab File: BN037901.D
Acq: 25 Sep 2025 22:31

Tgt Ion:202 Resp: 28968

Ion	Ratio	Lower	Upper
202	100		
101	11.8	9.3	13.9
203	17.2	13.6	20.4



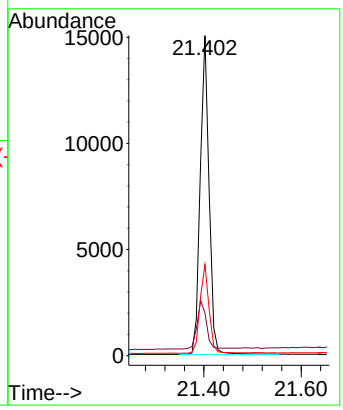


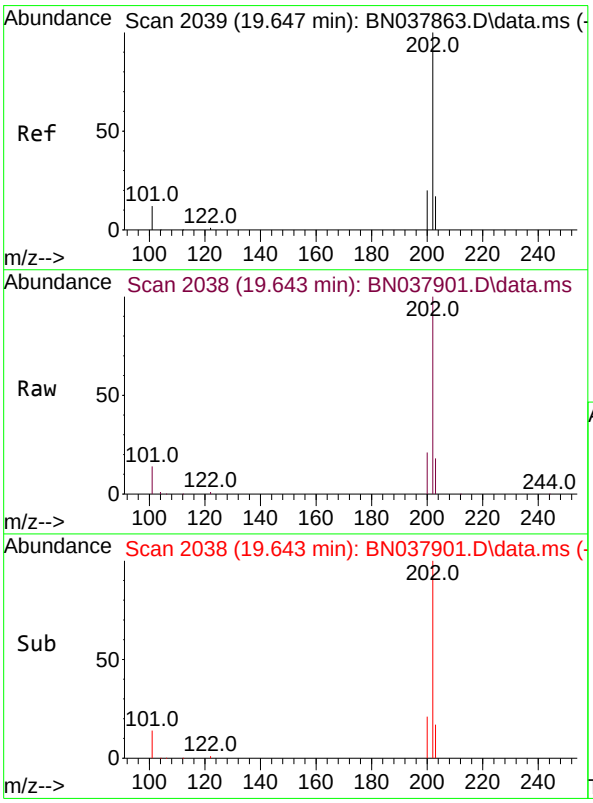
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.402 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037901.D
Acq: 25 Sep 2025 22:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:240 Resp: 18965

Ion	Ratio	Lower	Upper
240	100		
120	13.3	11.4	17.2
236	28.5	23.0	34.6

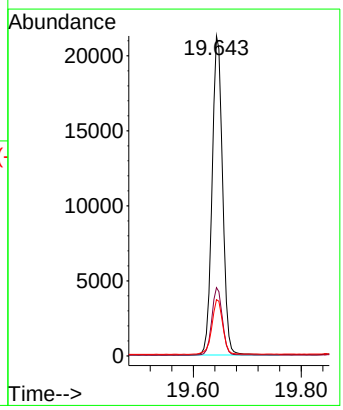


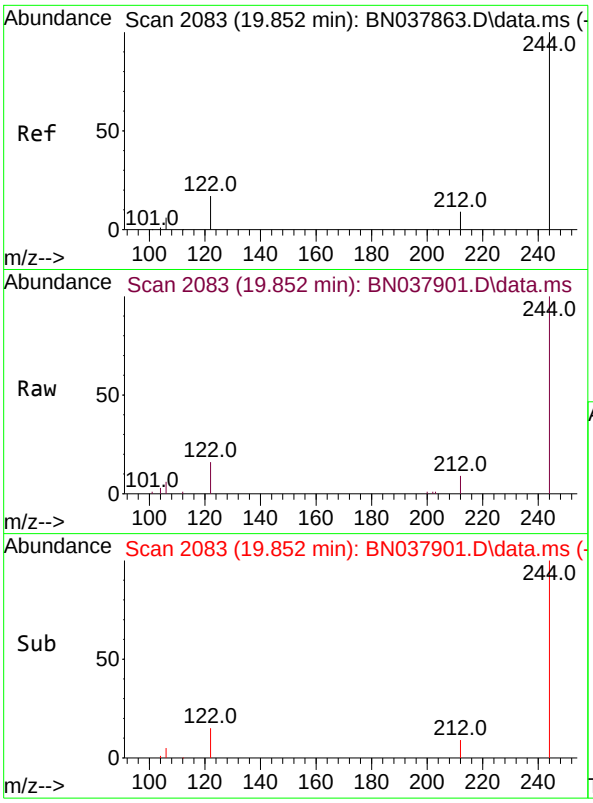


#30
Pyrene
Concen: 0.384 ng
RT: 19.643 min Scan# 2038
Delta R.T. -0.005 min
Lab File: BN037901.D
Acq: 25 Sep 2025 22:31

Tgt Ion:202 Resp: 28732

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.7	25.1
203	17.9	14.2	21.4



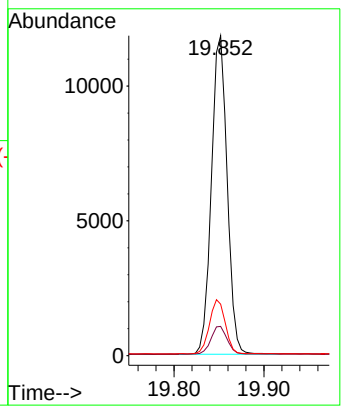


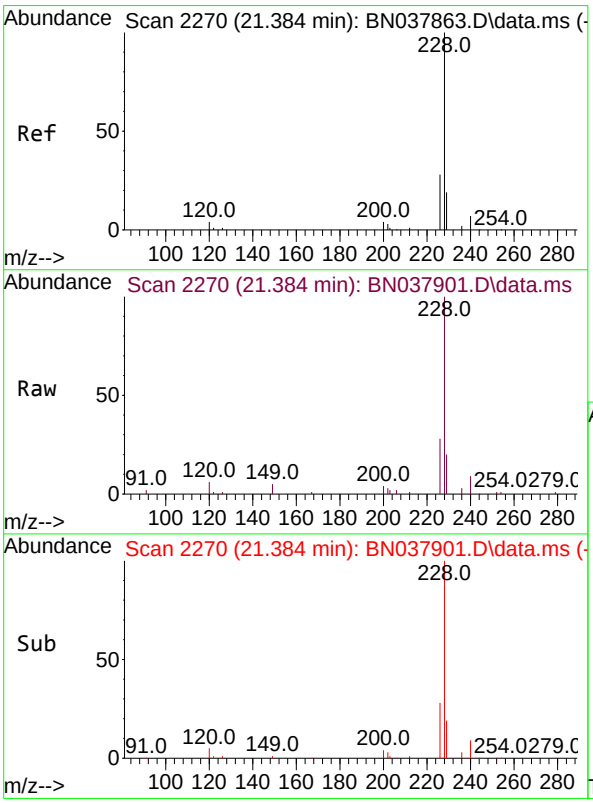
#31
Terphenyl-d14
Concen: 0.382 ng
RT: 19.852 min Scan# 20
Delta R.T. 0.000 min
Lab File: BN037901.D
Acq: 25 Sep 2025 22:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:244 Resp: 14438

Ion	Ratio	Lower	Upper
244	100		
212	9.1	7.6	11.4
122	16.1	13.9	20.9

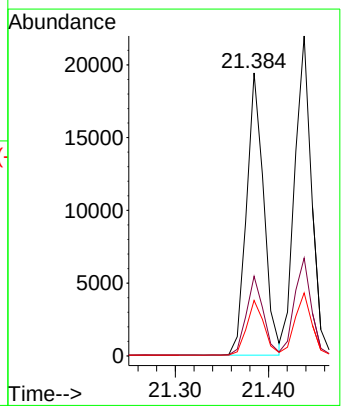


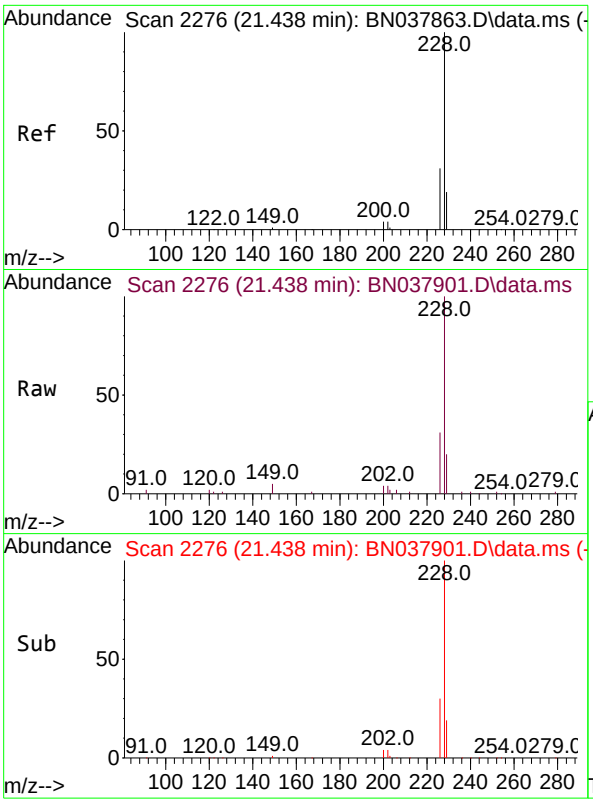


#32
Benzo(a)anthracene
Concen: 0.374 ng
RT: 21.384 min Scan# 2270
Delta R.T. -0.000 min
Lab File: BN037901.D
Acq: 25 Sep 2025 22:31

Tgt Ion:228 Resp: 24796

Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.6	33.8
229	19.6	15.6	23.4



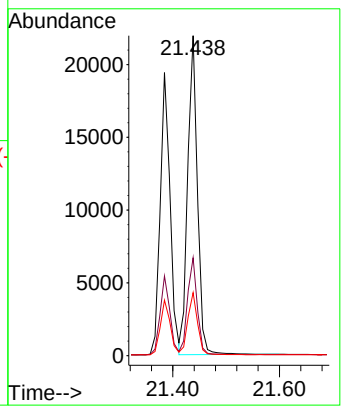


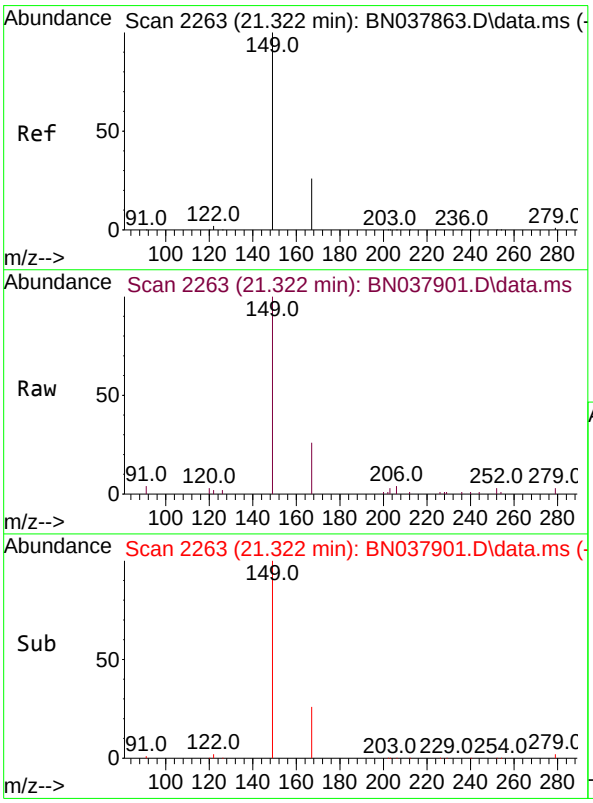
#33
Chrysene
Concen: 0.389 ng
RT: 21.438 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037901.D
Acq: 25 Sep 2025 22:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:228 Resp: 27866

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.6	37.0
229	19.7	15.6	23.4

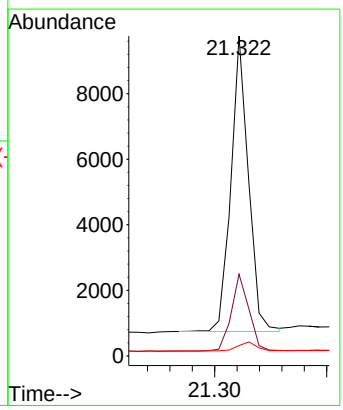


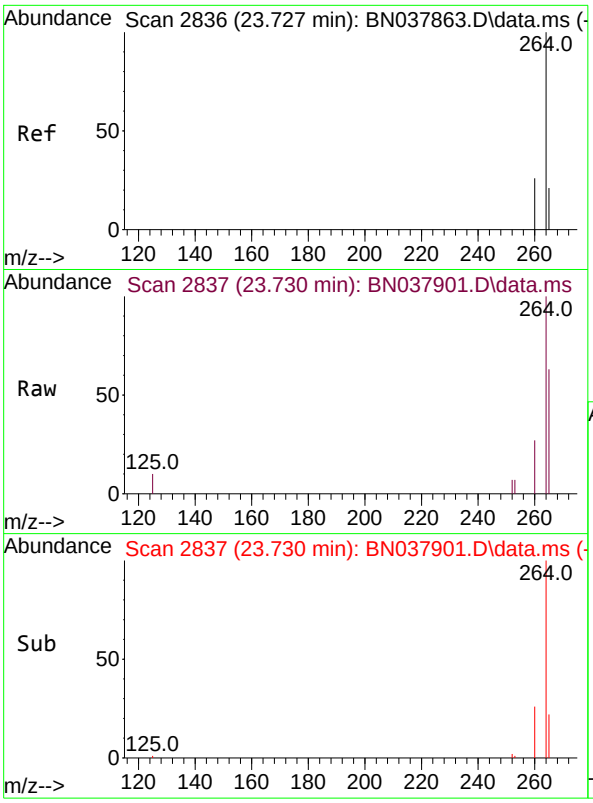


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.372 ng
RT: 21.322 min Scan# 2263
Delta R.T. 0.000 min
Lab File: BN037901.D
Acq: 25 Sep 2025 22:31

Tgt Ion:149 Resp: 9764

Ion	Ratio	Lower	Upper
149	100		
167	26.5	20.4	30.6
279	3.5	2.4	3.6



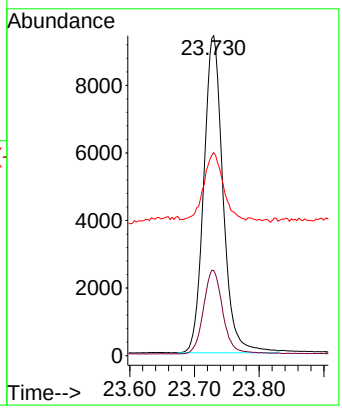


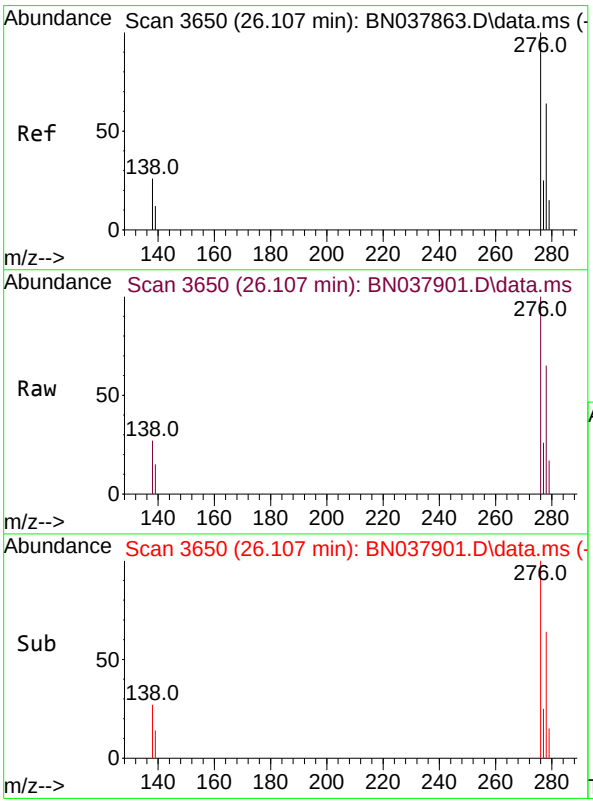
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.730 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN037901.D
Acq: 25 Sep 2025 22:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:264 Resp: 19432

Ion	Ratio	Lower	Upper
264	100		
260	26.6	21.5	32.3
265	63.4	53.8	80.6

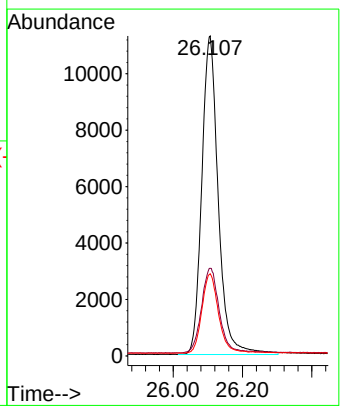


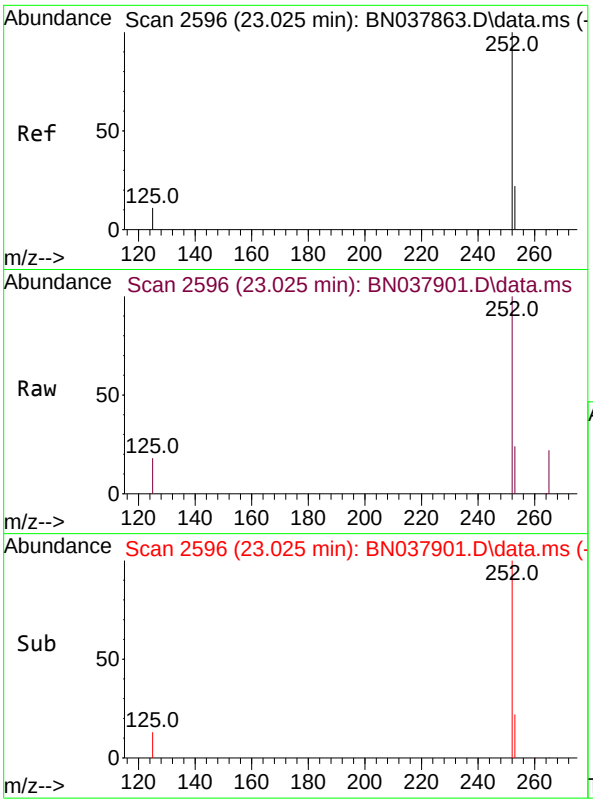


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.420 ng
RT: 26.107 min Scan# 3650
Delta R.T. -0.000 min
Lab File: BN037901.D
Acq: 25 Sep 2025 22:31

Tgt Ion:276 Resp: 37256

Ion	Ratio	Lower	Upper
276	100		
138	28.3	21.4	32.0
277	25.2	20.3	30.5



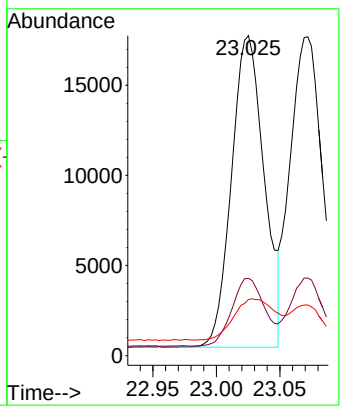


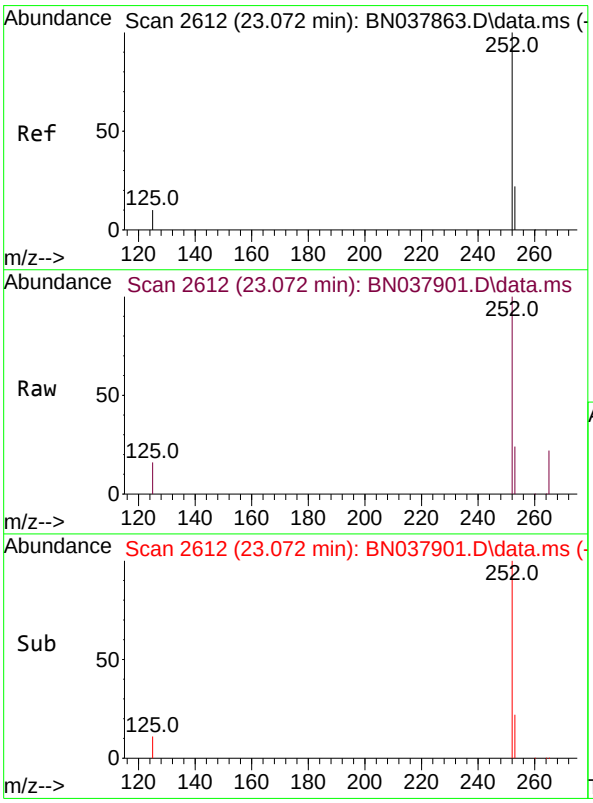
#37
Benzo(b)fluoranthene
Concen: 0.369 ng
RT: 23.025 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037901.D
Acq: 25 Sep 2025 22:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 30958

Ion	Ratio	Lower	Upper
252	100		
253	24.1	19.4	29.0
125	17.5	13.0	19.4

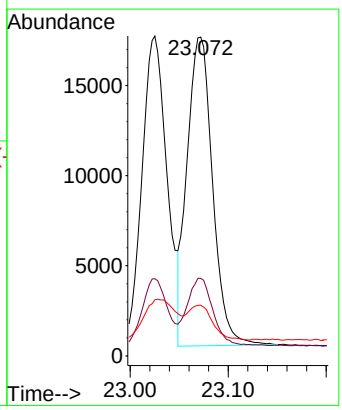


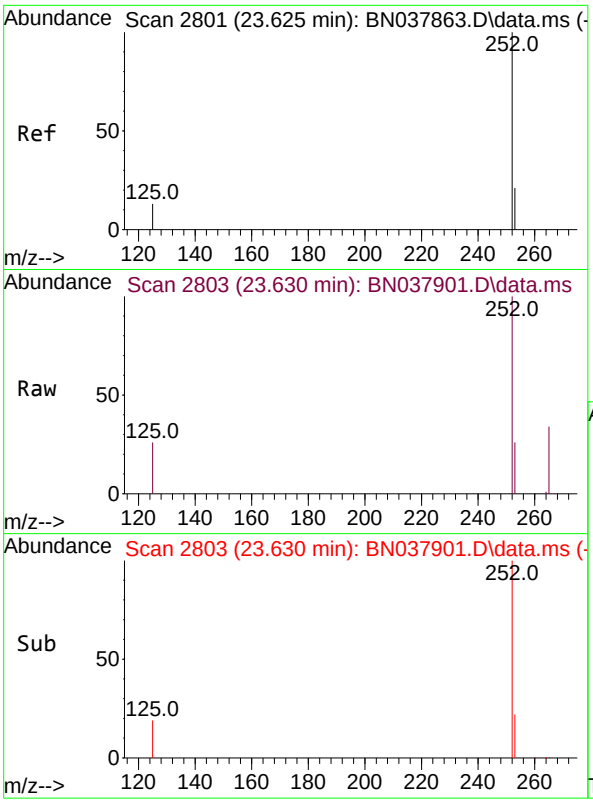


#38
Benzo(k)fluoranthene
Concen: 0.367 ng
RT: 23.072 min Scan# 2612
Delta R.T. -0.000 min
Lab File: BN037901.D
Acq: 25 Sep 2025 22:31

Tgt Ion:252 Resp: 30978

Ion	Ratio	Lower	Upper
252	100		
253	24.3	19.5	29.3
125	15.9	13.0	19.4



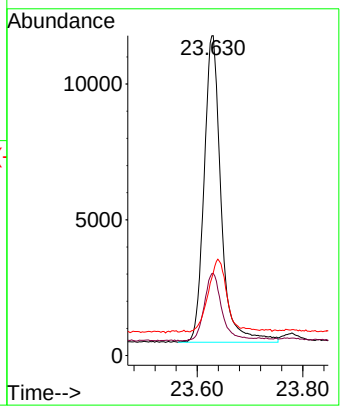


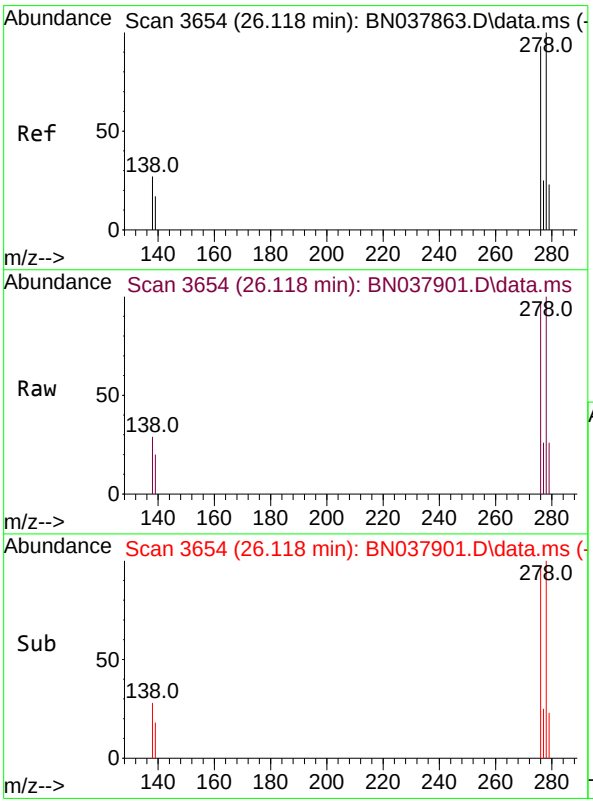
#39
Benzo(a)pyrene
Concen: 0.382 ng
RT: 23.630 min Scan# 28
Delta R.T. 0.006 min
Lab File: BN037901.D
Acq: 25 Sep 2025 22:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 25319

Ion	Ratio	Lower	Upper
252	100		
253	25.7	20.6	30.8
125	25.9	16.7	25.1#

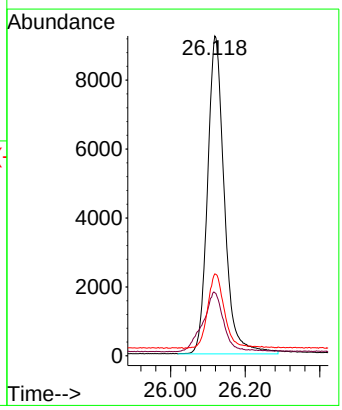


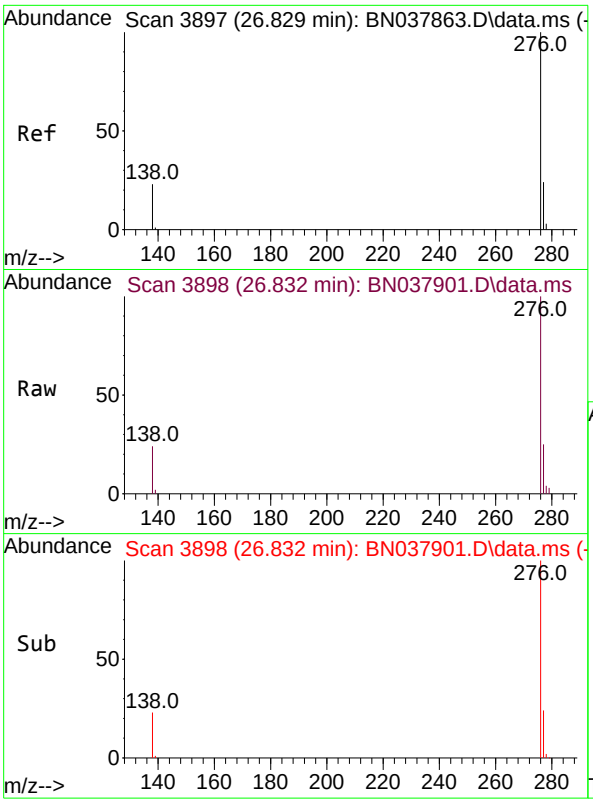


#40
Dibenzo(a,h)anthracene
Concen: 0.417 ng
RT: 26.118 min Scan# 3654
Delta R.T. -0.000 min
Lab File: BN037901.D
Acq: 25 Sep 2025 22:31

Tgt Ion:278 Resp: 28899

Ion	Ratio	Lower	Upper
278	100		
139	19.7	15.4	23.2
279	25.6	20.8	31.2



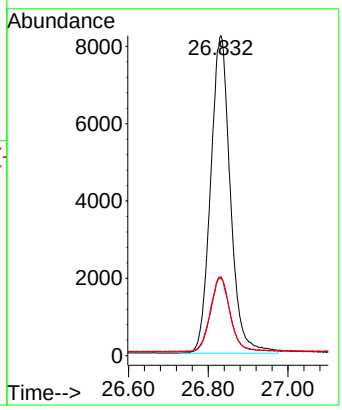


#41
Benzo(g,h,i)perylene
Concen: 0.388 ng
RT: 26.832 min Scan# 3
Delta R.T. 0.003 min
Lab File: BN037901.D
Acq: 25 Sep 2025 22:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 28258

Ion	Ratio	Lower	Upper
276	100		
277	24.7	20.2	30.4
138	24.1	19.8	29.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092525\
Data File : BN037901.D
Acq On : 25 Sep 2025 22:31
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Quant Time: Sep 25 23:51:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 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	135	0.00
2		1,4-Dioxane	0.400	0.409	-2.2	136	0.00
3		n-Nitrosodimethylamine	0.400	0.363	9.3	128	0.00
4	S	2-Fluorophenol	0.400	0.430	-7.5	154	0.00
5	S	Phenol-d6	0.400	0.427	-6.7	154	0.00
6		bis(2-Chloroethyl)ether	0.400	0.407	-1.7	141	0.00
7	I	Naphthalene-d8	0.400	0.400	0.0	136	0.00
8	S	Nitrobenzene-d5	0.400	0.411	-2.7	148	0.00
9		Naphthalene	0.400	0.397	0.8	142	0.00
10		Hexachlorobutadiene	0.400	0.398	0.5	140	-0.01
11	SURR	2-Methylnaphthalene-d10	0.400	0.370	7.5	140	0.00
12		2-Methylnaphthalene	0.400	0.382	4.5	140	0.00
13	I	Acenaphthene-d10	0.400	0.400	0.0	136	0.00
14	S	2,4,6-Tribromophenol	0.400	0.374	6.5	142	0.00
15	S	2-Fluorobiphenyl	0.400	0.373	6.8	133	0.00
16		Acenaphthylene	0.400	0.370	7.5	137	0.00
17		Acenaphthene	0.400	0.376	6.0	138	0.00
18		Fluorene	0.400	0.371	7.3	136	0.00
19	I	Phenanthrene-d10	0.400	0.400	0.0	138	0.00
20		4,6-Dinitro-2-methylphenol	0.400	0.410	-2.5	140	0.00
21		4-Bromophenyl-phenylether	0.400	0.359	10.3	132	0.00
22		Hexachlorobenzene	0.400	0.371	7.3	133	-0.01
23		Atrazine	0.400	0.390	2.5	156	-0.01
24		Pentachlorophenol	0.400	0.326	18.5	133	0.00
25		Phenanthrene	0.400	0.368	8.0	136	0.00
26		Anthracene	0.400	0.353	11.8	136	-0.01
27	SURR	Fluoranthene-d10	0.400	0.366	8.5	144	0.00
28		Fluoranthene	0.400	0.362	9.5	139	0.00
29	I	Chrysene-d12	0.400	0.400	0.0	140	0.00
30		Pyrene	0.400	0.384	4.0	139	0.00
31	S	Terphenyl-d14	0.400	0.382	4.5	141	0.00
32		Benzo(a)anthracene	0.400	0.374	6.5	141	0.00
33		Chrysene	0.400	0.389	2.8	140	0.00
34		Bis(2-ethylhexyl)phthalate	0.400	0.372	7.0	148	0.00
35	I	Perylene-d12	0.400	0.400	0.0	154	0.00
36		Indeno(1,2,3-cd)pyrene	0.400	0.420	-5.0	179	0.00
37		Benzo(b)fluoranthene	0.400	0.369	7.8	150	0.00
38		Benzo(k)fluoranthene	0.400	0.367	8.3	154	0.00
39	C	Benzo(a)pyrene	0.400	0.382	4.5	164	0.00
40		Dibenzo(a,h)anthracene	0.400	0.417	-4.2	176	0.00
41		Benzo(g,h,i)perylene	0.400	0.388	3.0	160	0.00

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092525\
Data File : BN037901.D
Acq On : 25 Sep 2025 22:31
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Quant Time: Sep 25 23:51:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 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	135	0.00
2		1,4-Dioxane	0.406	0.415	-2.2	136	0.00
3		n-Nitrosodimethylamine	0.540	0.491	9.1	128	0.00
4	S	2-Fluorophenol	0.913	0.982	-7.6	154#	0.00
5	S	Phenol-d6	1.199	1.281	-6.8	154#	0.00
6		bis(2-Chloroethyl)ether	1.113	1.134	-1.9	141	0.00
7	I	Naphthalene-d8	1.000	1.000	0.0	136	0.00
8	S	Nitrobenzene-d5	0.305	0.313	-2.6	148	0.00
9		Naphthalene	1.102	1.094	0.7	142	0.00
10		Hexachlorobutadiene	0.188	0.187	0.5	140	-0.01
11	SURR	2-Methylnaphthalene-d10	0.556	0.514	7.6	140	0.00
12		2-Methylnaphthalene	0.720	0.688	4.4	140	0.00
13	I	Acenaphthene-d10	1.000	1.000	0.0	136	0.00
14	S	2,4,6-Tribromophenol	0.152	0.142	6.6	142	0.00
15	S	2-Fluorobiphenyl	1.638	1.527	6.8	133	0.00
16		Acenaphthylene	1.816	1.678	7.6	137	0.00
17		Acenaphthene	1.294	1.216	6.0	138	0.00
18		Fluorene	1.565	1.453	7.2	136	0.00
19	I	Phenanthrene-d10	1.000	1.000	0.0	138	0.00
20		4,6-Dinitro-2-methylphenol	0.057	0.044	22.8	140	0.00
21		4-Bromophenyl-phenylether	0.261	0.234	10.3	132	0.00
22		Hexachlorobenzene	0.316	0.293	7.3	133	-0.01
23		Atrazine	0.199	0.194	2.5	156#	-0.01
24		Pentachlorophenol	0.108	0.088	18.5	133	0.00
25		Phenanthrene	1.316	1.211	8.0	136	0.00
26		Anthracene	1.142	1.009	11.6	136	-0.01
27	SURR	Fluoranthene-d10	1.006	0.920	8.5	144	0.00
28		Fluoranthene	1.450	1.313	9.4	139	0.00
29	I	Chrysene-d12	1.000	1.000	0.0	140	0.00
30		Pyrene	1.579	1.515	4.1	139	0.00
31	S	Terphenyl-d14	0.797	0.761	4.5	141	0.00
32		Benzo(a)anthracene	1.398	1.307	6.5	141	0.00
33		Chrysene	1.512	1.469	2.8	140	0.00
34		Bis(2-ethylhexyl)phthalate	0.553	0.515	6.9	148	0.00
35	I	Perylene-d12	1.000	1.000	0.0	154#	0.00
36		Indeno(1,2,3-cd)pyrene	1.828	1.917	-4.9	179#	0.00
37		Benzo(b)fluoranthene	1.725	1.593	7.7	150#	0.00
38		Benzo(k)fluoranthene	1.736	1.594	8.2	154#	0.00
39	C	Benzo(a)pyrene	1.364	1.303	4.5	164#	0.00
40		Dibenzo(a,h)anthracene	1.427	1.487	-4.2	176#	0.00
41		Benzo(g,h,i)perylene	1.499	1.454	3.0	160#	0.00

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

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO15

Lab Code: ACE SDG No.: Q3156

Instrument ID: BNA_N Calibration Date/Time: 09/26/2025 00:27

Lab File ID: BN037903.D Init. Calib. Date(s): 09/23/2025 09/23/2025

EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 12:13 15:51

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.556	0.516		-7.2	20.0
Fluoranthene-d10	1.006	0.920		-8.5	20.0
2-Fluorophenol	0.913	0.964		5.6	20.0
Phenol-d6	1.199	1.267		5.7	20.0
Nitrobenzene-d5	0.305	0.315		3.3	20.0
2-Fluorobiphenyl	1.638	1.635		-0.2	20.0
2,4,6-Tribromophenol	0.152	0.146		-3.9	20.0
Terphenyl-d14	0.797	0.753		-5.5	20.0
1,4-Dioxane	0.406	0.412		1.5	20.0

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092525\
Data File : BN037903.D
Acq On : 26 Sep 2025 00:27
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Sep 26 00:52:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration

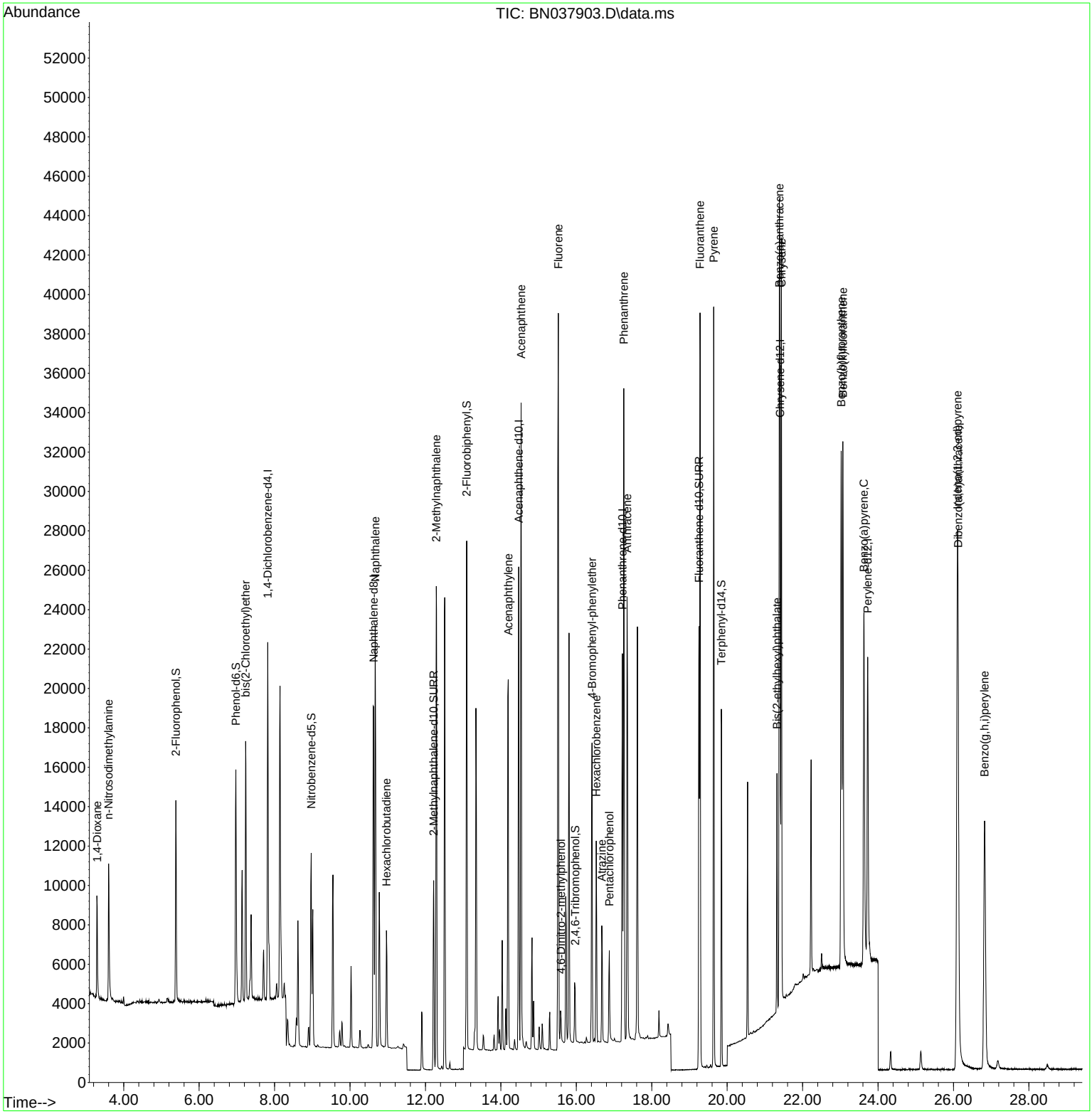
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.818	152	8644	0.400	ng		0.00
7) Naphthalene-d8	10.626	136	24903	0.400	ng		0.00
13) Acenaphthene-d10	14.473	164	13049	0.400	ng		0.00
19) Phenanthrene-d10	17.223	188	25791	0.400	ng		0.00
29) Chrysene-d12	21.402	240	22233	0.400	ng	#	0.00
35) Perylene-d12	23.727	264	21166	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.384	112	8336	0.423	ng		0.00
5) Phenol-d6	6.973	99	10951	0.423	ng		0.00
8) Nitrobenzene-d5	8.971	82	7844	0.413	ng		0.00
11) 2-Methylnaphthalene-d10	12.217	152	12862	0.372	ng		0.00
14) 2,4,6-Tribromophenol	15.969	330	1911	0.386	ng		0.00
15) 2-Fluorobiphenyl	13.094	172	21332	0.399	ng		0.00
27) Fluoranthene-d10	19.252	212	23737	0.366	ng		0.00
31) Terphenyl-d14	19.847	244	16742	0.378	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.297	88	3558	0.405	ng		98
3) n-Nitrosodimethylamine	3.600	42	4457	0.382	ng	#	92
6) bis(2-Chloroethyl)ether	7.233	93	9566	0.398	ng		98
9) Naphthalene	10.669	128	27376	0.399	ng		99
10) Hexachlorobutadiene	10.968	225	4745	0.405	ng	#	99
12) 2-Methylnaphthalene	12.288	142	17177	0.383	ng		99
16) Acenaphthylene	14.195	152	22451	0.379	ng		100
17) Acenaphthene	14.537	154	15885	0.376	ng		99
18) Fluorene	15.522	166	19150	0.375	ng		99
20) 4,6-Dinitro-2-methylph...	15.597	198	1093	0.397	ng		93
21) 4-Bromophenyl-phenylether	16.416	248	6237	0.371	ng		93
22) Hexachlorobenzene	16.528	284	7720	0.379	ng		100
23) Atrazine	16.677	200	4935	0.386	ng	#	90
24) Pentachlorophenol	16.875	266	2503	0.358	ng		96
25) Phenanthrene	17.260	178	31927	0.376	ng		100
26) Anthracene	17.347	178	26276	0.357	ng		100
28) Fluoranthene	19.280	202	34198	0.366	ng		100
30) Pyrene	19.643	202	34069	0.388	ng		100
32) Benzo(a)anthracene	21.384	228	29033	0.374	ng		99
33) Chrysene	21.438	228	32664	0.389	ng		99
34) Bis(2-ethylhexyl)phtha...	21.322	149	10460	0.340	ng		100
36) Indeno(1,2,3-cd)pyrene	26.104	276	37137	0.384	ng		98
37) Benzo(b)fluoranthene	23.022	252	34345	0.376	ng		99
38) Benzo(k)fluoranthene	23.069	252	35933	0.391	ng		98
39) Benzo(a)pyrene	23.624	252	27366	0.379	ng		97
40) Dibenzo(a,h)anthracene	26.121	278	28313	0.375	ng		100
41) Benzo(g,h,i)perylene	26.826	276	28079	0.354	ng		98

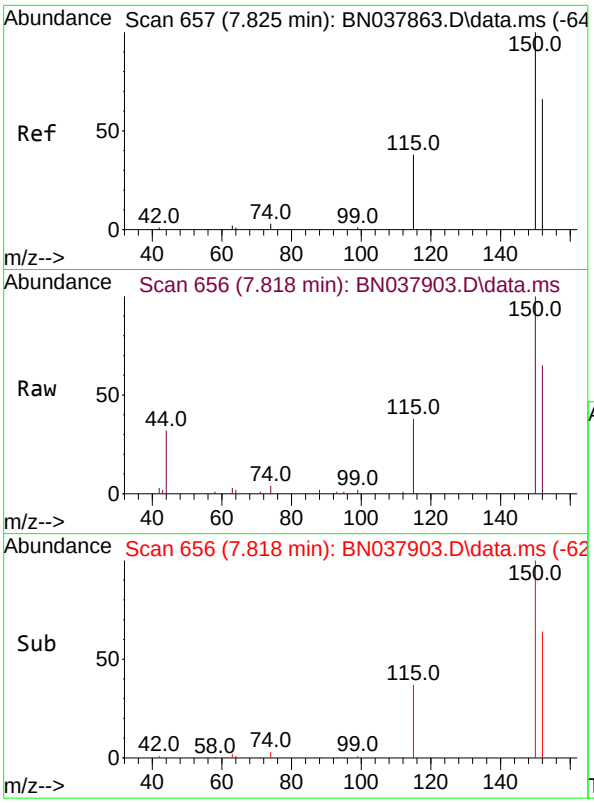
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092525\
Data File : BN037903.D
Acq On : 26 Sep 2025 00:27
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Sep 26 00:52:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration



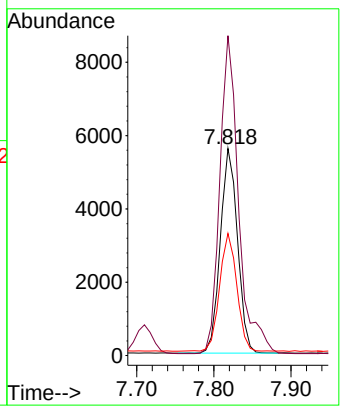


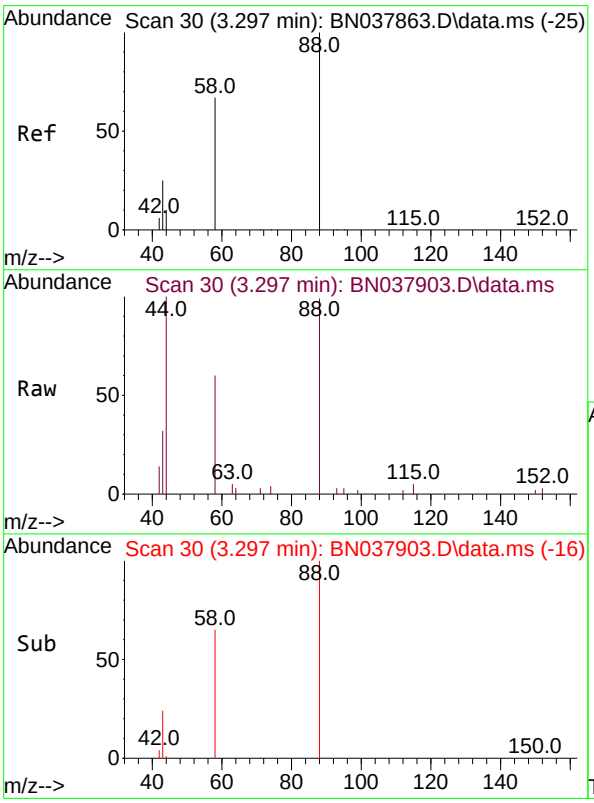
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.818 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN037903.D
Acq: 26 Sep 2025 00:27

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 8644

Ion	Ratio	Lower	Upper
152	100		
150	154.5	121.0	181.4
115	59.0	47.4	71.0

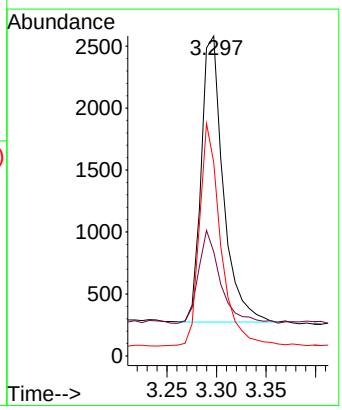


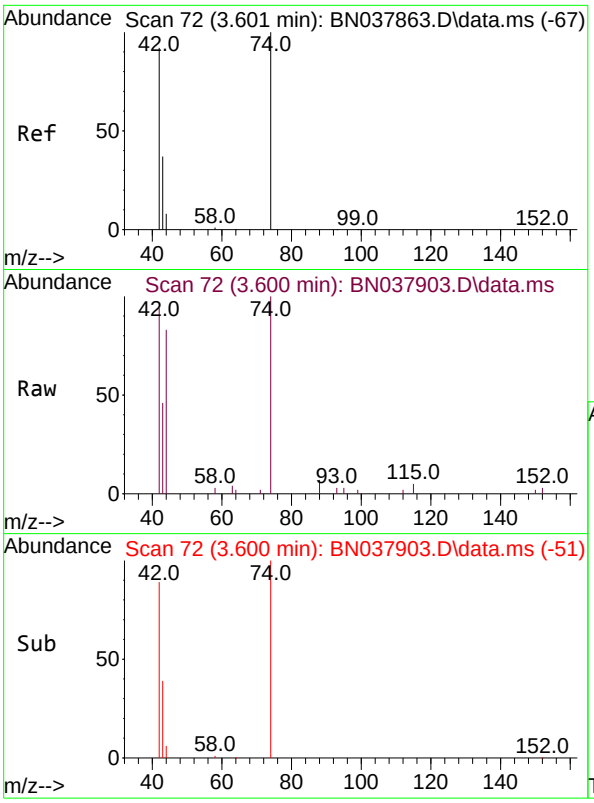


#2
1,4-Dioxane
Concen: 0.405 ng
RT: 3.297 min Scan# 30
Delta R.T. -0.000 min
Lab File: BN037903.D
Acq: 26 Sep 2025 00:27

Tgt Ion: 88 Resp: 3558

Ion	Ratio	Lower	Upper
88	100		
43	32.5	26.6	39.8
58	75.2	58.9	88.3



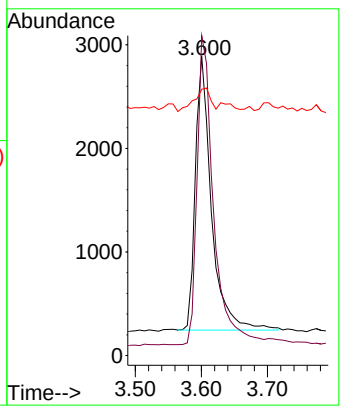


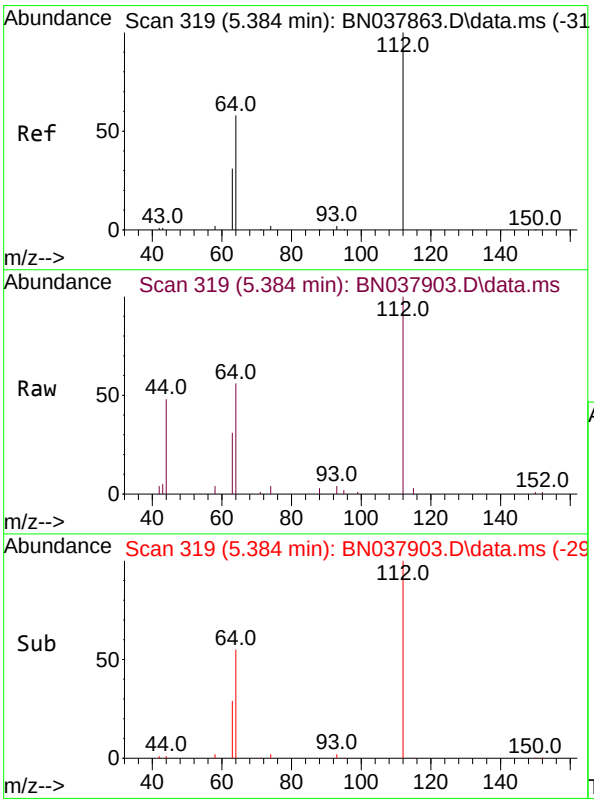
#3
n-Nitrosodimethylamine
Concen: 0.382 ng
RT: 3.600 min Scan# 7
Delta R.T. -0.000 min
Lab File: BN037903.D
Acq: 26 Sep 2025 00:27

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 4457

Ion	Ratio	Lower	Upper
42	100		
74	116.0	93.4	140.0
44	8.5	22.2	33.4#

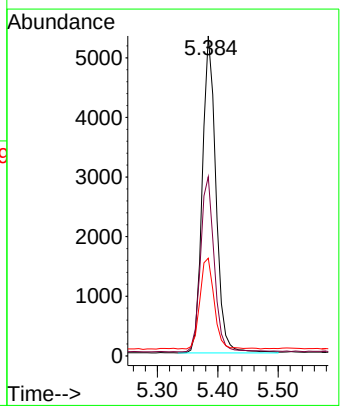


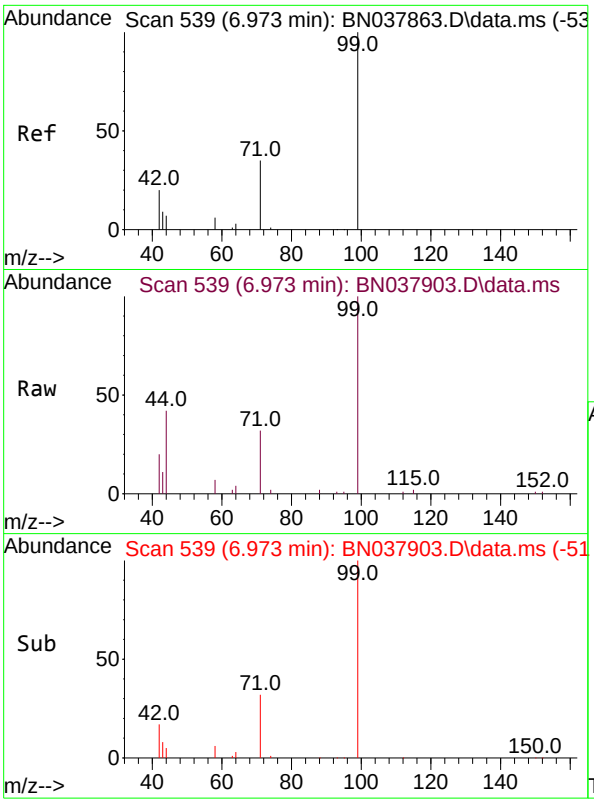


#4
2-Fluorophenol
Concen: 0.423 ng
RT: 5.384 min Scan# 319
Delta R.T. -0.000 min
Lab File: BN037903.D
Acq: 26 Sep 2025 00:27

Tgt Ion:112 Resp: 8336

Ion	Ratio	Lower	Upper
112	100		
64	55.9	44.6	66.8
63	29.9	24.9	37.3



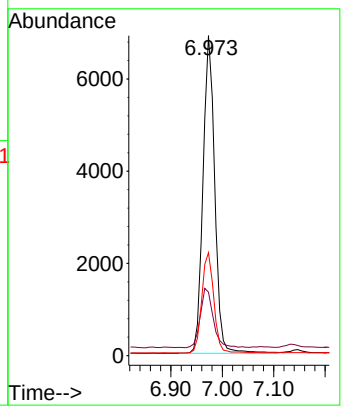


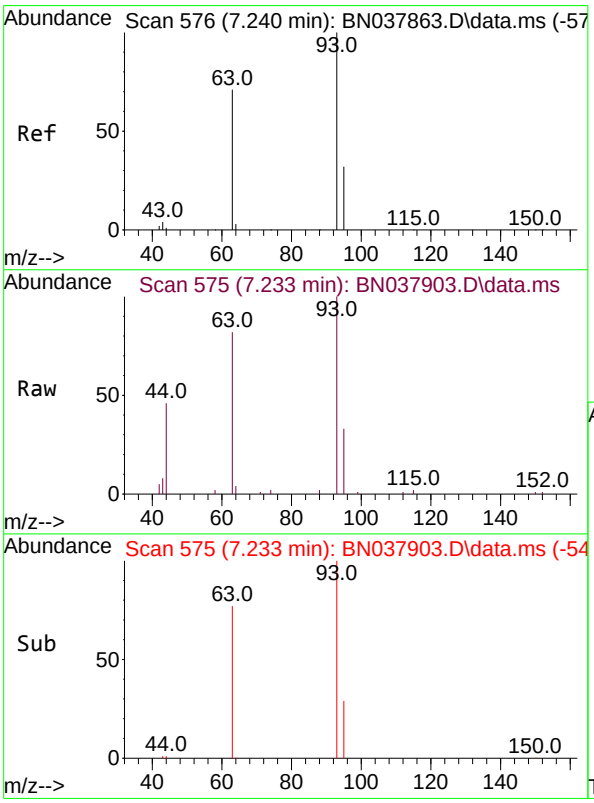
#5
Phenol-d6
Concen: 0.423 ng
RT: 6.973 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN037903.D
Acq: 26 Sep 2025 00:27

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 10951

Ion	Ratio	Lower	Upper
99	100		
42	20.4	17.2	25.8
71	32.3	27.3	40.9

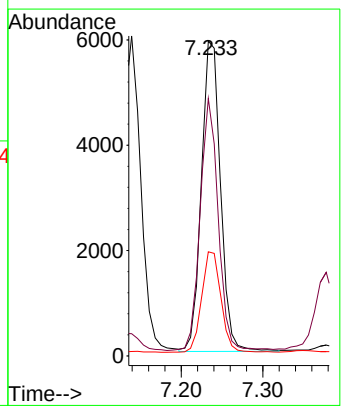


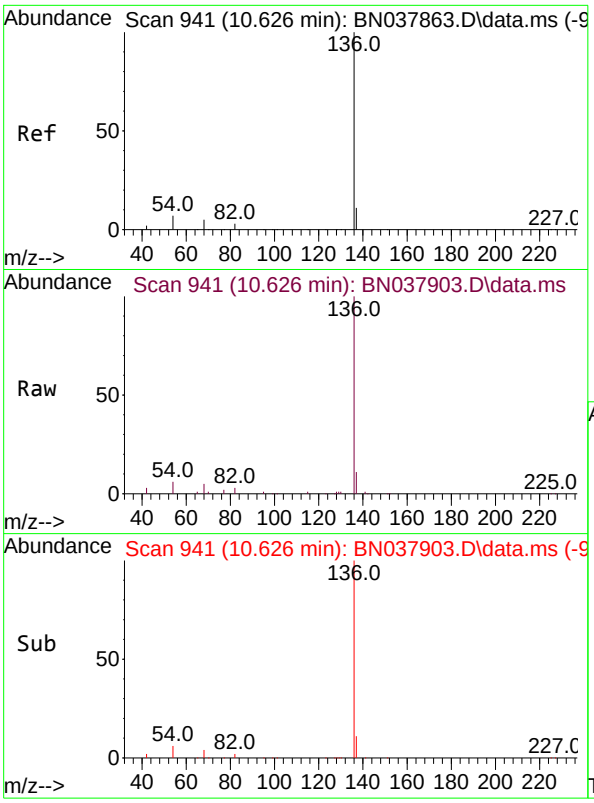


#6
bis(2-Chloroethyl)ether
Concen: 0.398 ng
RT: 7.233 min Scan# 575
Delta R.T. -0.007 min
Lab File: BN037903.D
Acq: 26 Sep 2025 00:27

Tgt Ion: 93 Resp: 9566

Ion	Ratio	Lower	Upper
93	100		
63	76.6	60.1	90.1
95	32.6	25.4	38.2



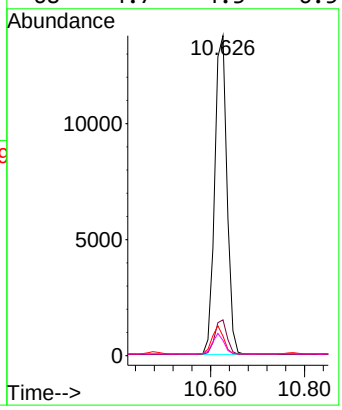


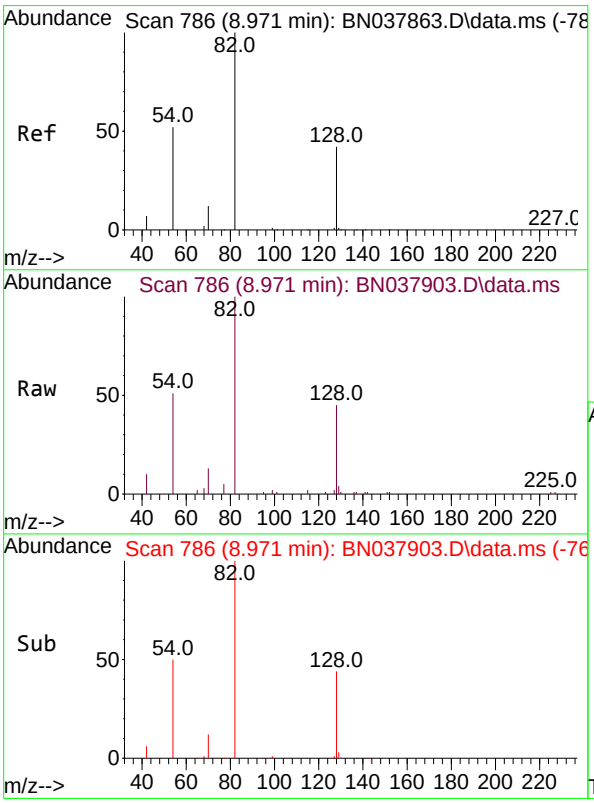
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.626 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN037903.D
Acq: 26 Sep 2025 00:27

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 24903

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	6.1	5.8	8.8
68	4.7	4.3	6.5

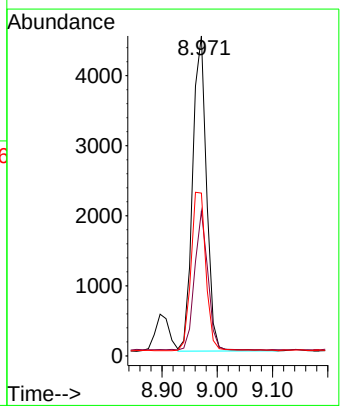


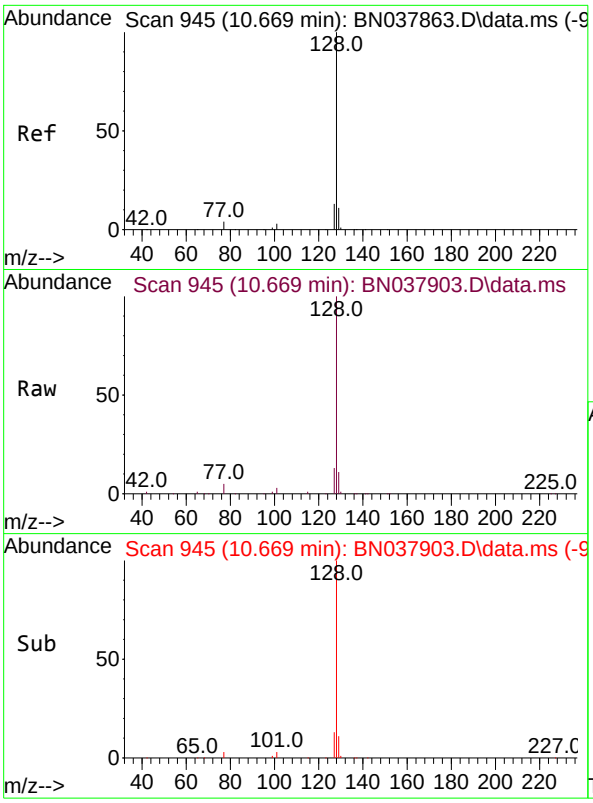


#8
Nitrobenzene-d5
Concen: 0.413 ng
RT: 8.971 min Scan# 786
Delta R.T. -0.000 min
Lab File: BN037903.D
Acq: 26 Sep 2025 00:27

Tgt Ion: 82 Resp: 7844

Ion	Ratio	Lower	Upper
82	100		
128	45.2	34.8	52.2
54	50.9	42.2	63.2



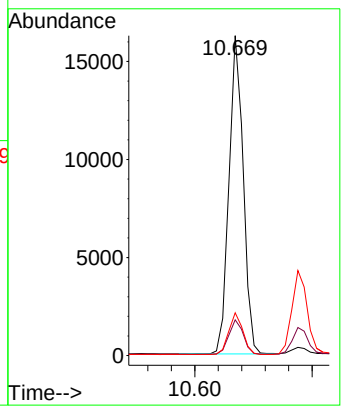


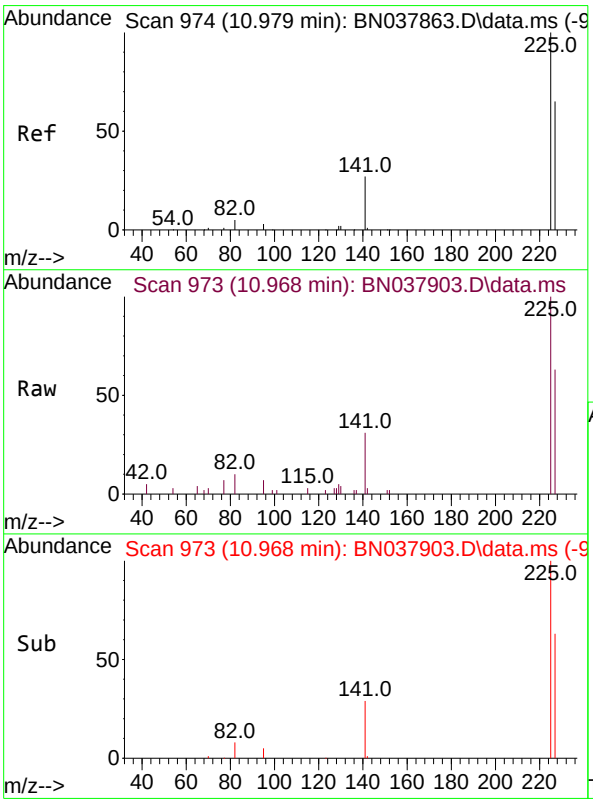
#9
Naphthalene
Concen: 0.399 ng
RT: 10.669 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN037903.D
Acq: 26 Sep 2025 00:27

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 27376

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.2	13.8
127	13.4	11.0	16.6

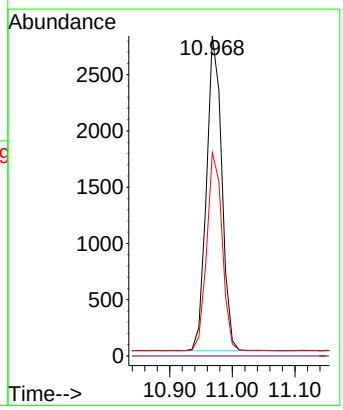


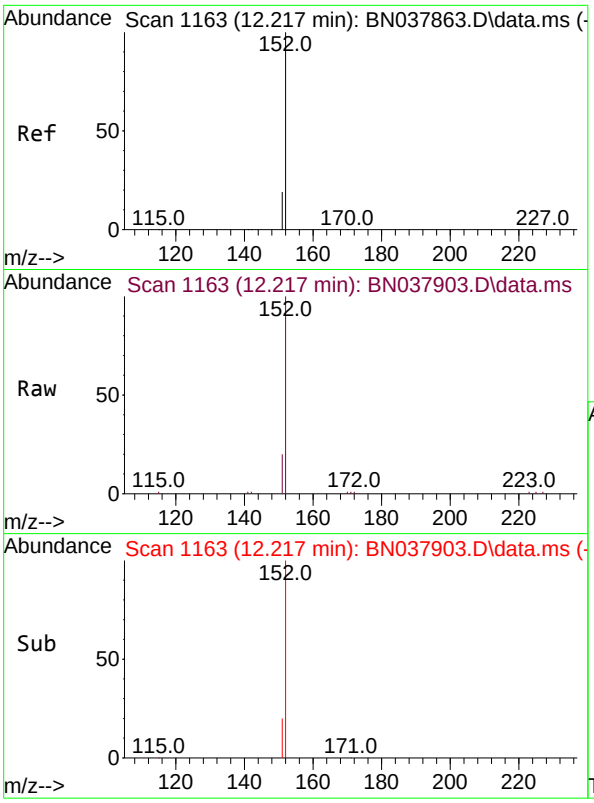


#10
Hexachlorobutadiene
Concen: 0.405 ng
RT: 10.968 min Scan# 973
Delta R.T. -0.011 min
Lab File: BN037903.D
Acq: 26 Sep 2025 00:27

Tgt Ion:225 Resp: 4745

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.5	51.4	77.2



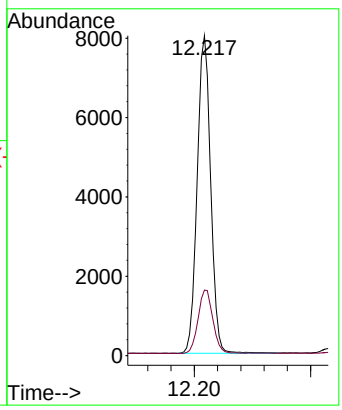


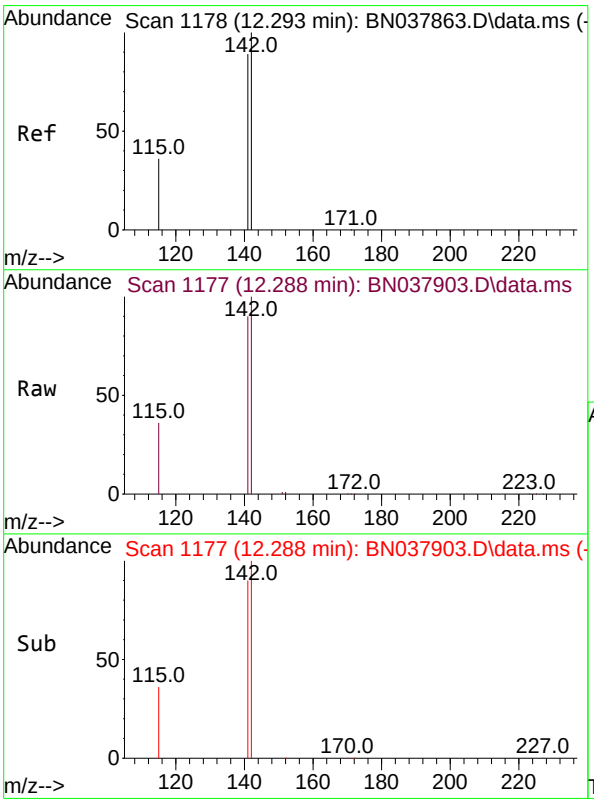
#11
2-Methylnaphthalene-d10
Concen: 0.372 ng
RT: 12.217 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN037903.D
Acq: 26 Sep 2025 00:27

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 12862

Ion	Ratio	Lower	Upper
152	100		
151	22.0	17.4	26.2

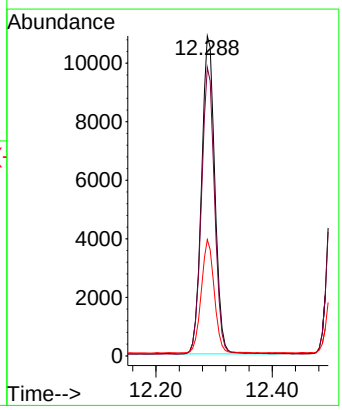


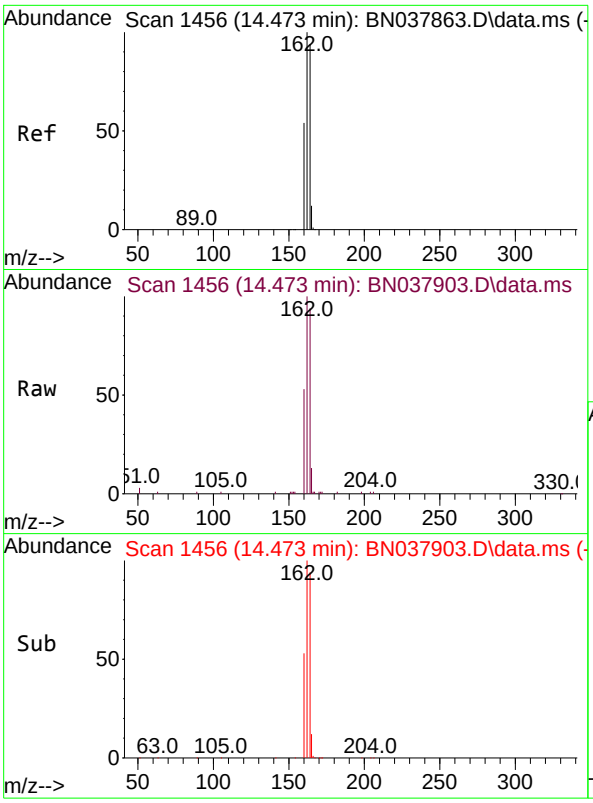


#12
2-Methylnaphthalene
Concen: 0.383 ng
RT: 12.288 min Scan# 1177
Delta R.T. -0.005 min
Lab File: BN037903.D
Acq: 26 Sep 2025 00:27

Tgt Ion:142 Resp: 17177

Ion	Ratio	Lower	Upper
142	100		
141	90.1	71.2	106.8
115	36.3	29.7	44.5



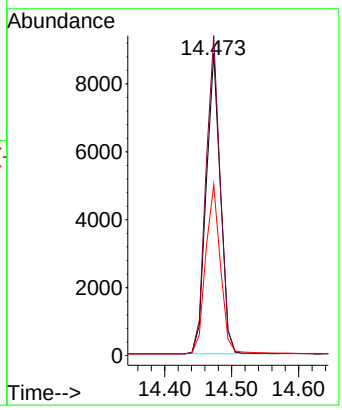


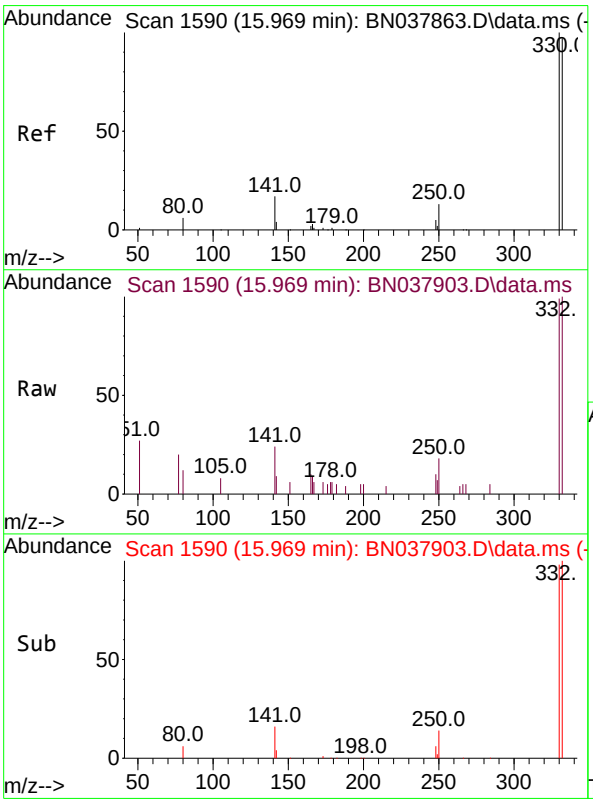
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.473 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN037903.D
Acq: 26 Sep 2025 00:27

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 13049

Ion	Ratio	Lower	Upper
164	100		
162	105.9	84.8	127.2
160	56.6	46.1	69.1

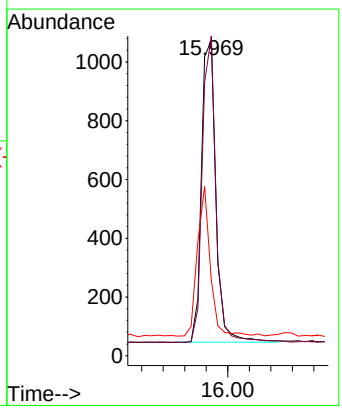


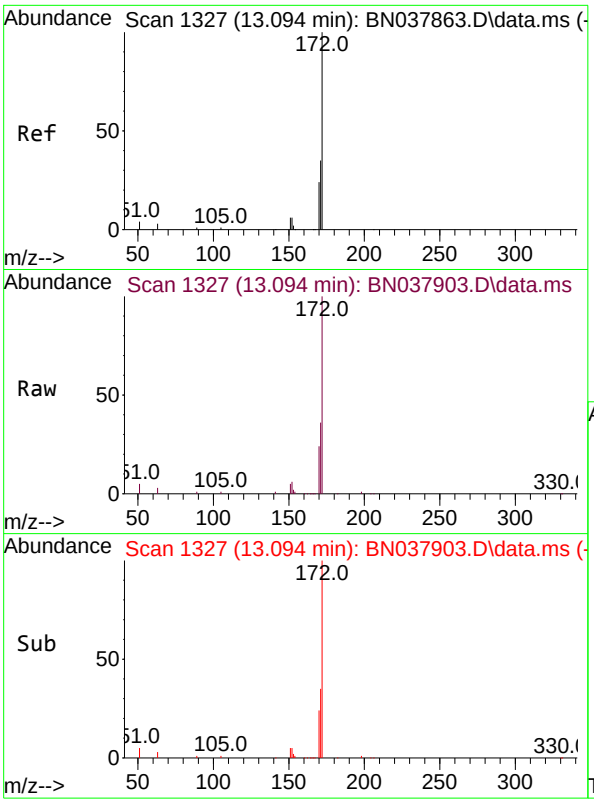


#14
2,4,6-Tribromophenol
Concen: 0.386 ng
RT: 15.969 min Scan# 1590
Delta R.T. 0.000 min
Lab File: BN037903.D
Acq: 26 Sep 2025 00:27

Tgt Ion:330 Resp: 1911

Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.2	115.8
141	44.5	37.2	55.8



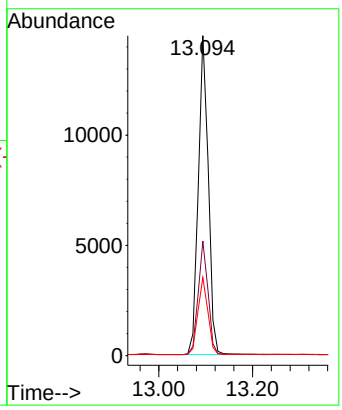


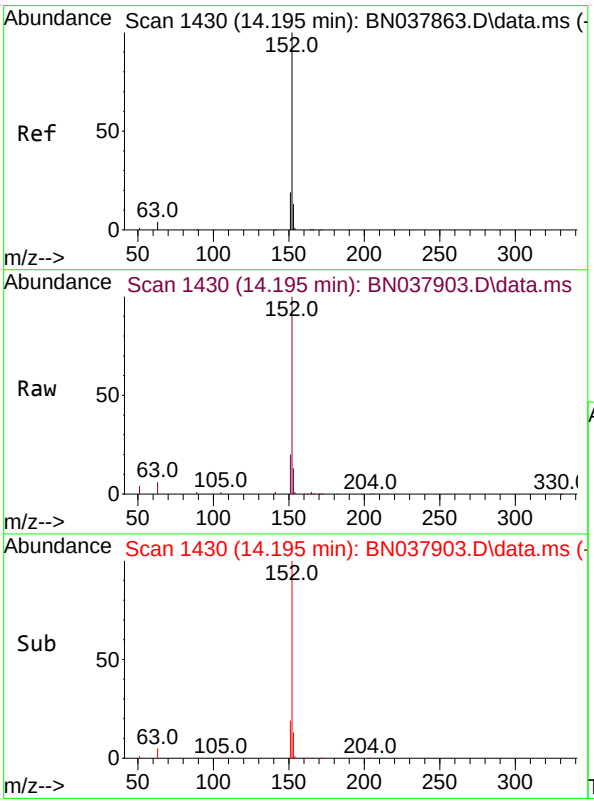
#15
2-Fluorobiphenyl
Concen: 0.399 ng
RT: 13.094 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037903.D
Acq: 26 Sep 2025 00:27

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 21332

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.6	43.0
170	24.4	19.7	29.5

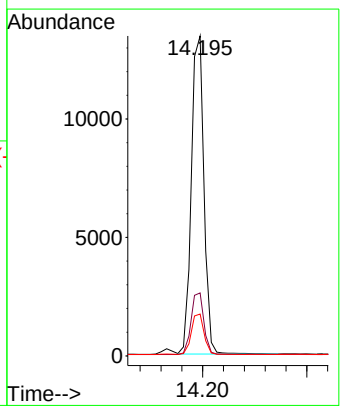


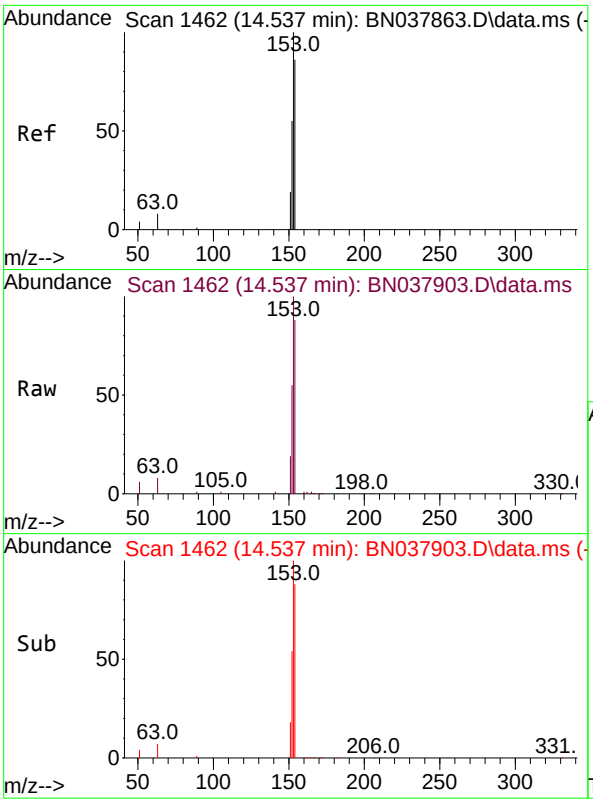


#16
Acenaphthylene
Concen: 0.379 ng
RT: 14.195 min Scan# 1430
Delta R.T. -0.000 min
Lab File: BN037903.D
Acq: 26 Sep 2025 00:27

Tgt Ion:152 Resp: 22451

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.8	23.8
153	12.8	10.5	15.7



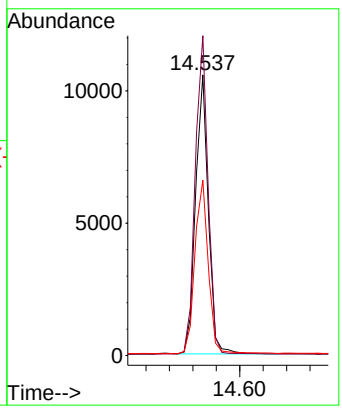


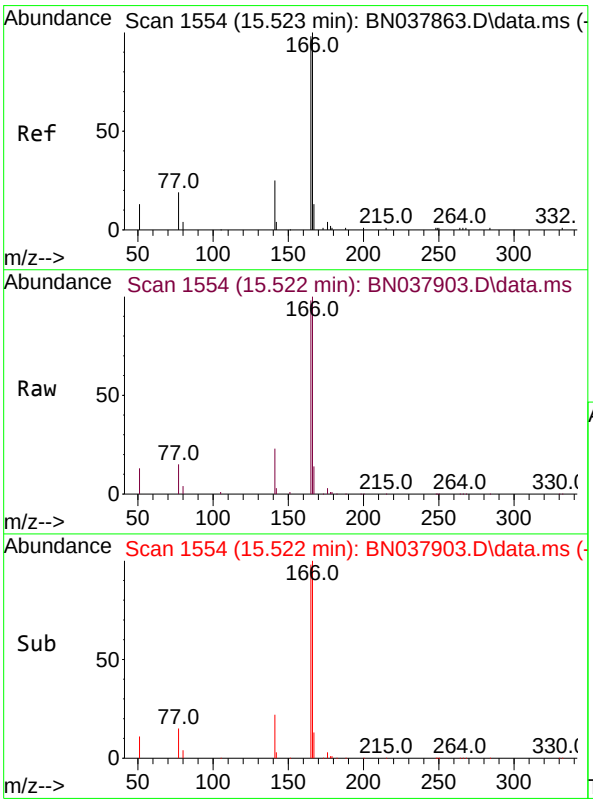
#17
Acenaphthene
Concen: 0.376 ng
RT: 14.537 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN037903.D
Acq: 26 Sep 2025 00:27

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 15885

Ion	Ratio	Lower	Upper
154	100		
153	114.4	90.5	135.7
152	65.1	51.8	77.8

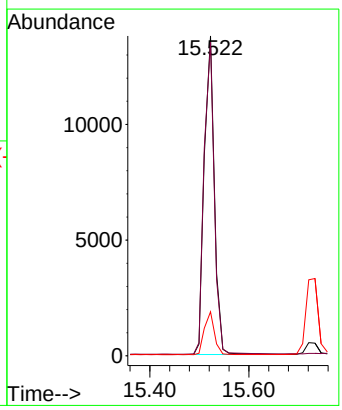


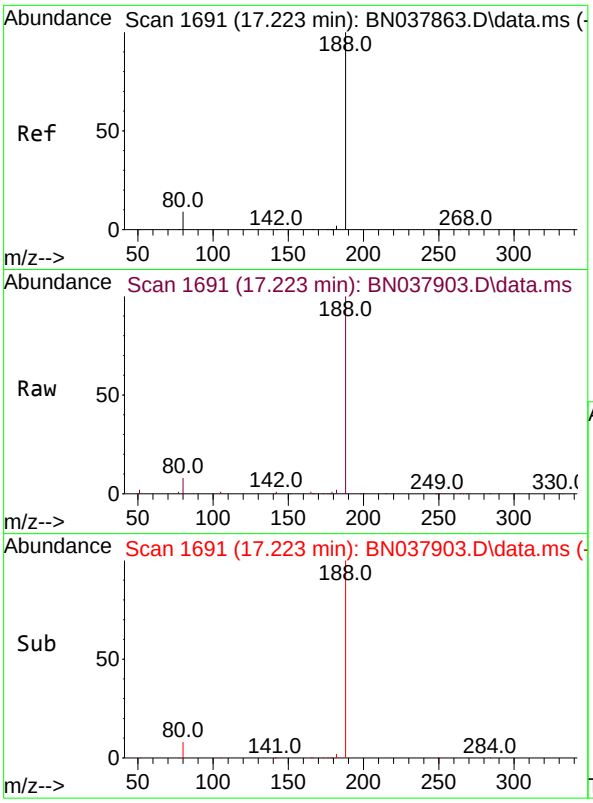


#18
Fluorene
Concen: 0.375 ng
RT: 15.522 min Scan# 1554
Delta R.T. -0.000 min
Lab File: BN037903.D
Acq: 26 Sep 2025 00:27

Tgt Ion:166 Resp: 19150

Ion	Ratio	Lower	Upper
166	100		
165	100.0	79.0	118.4
167	13.1	10.6	16.0



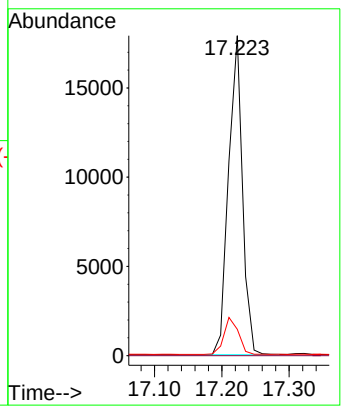


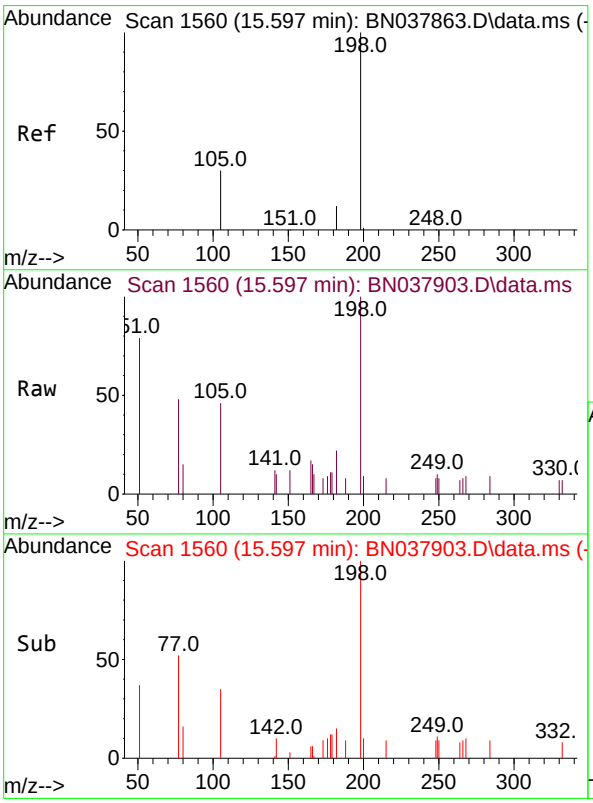
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.223 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037903.D
Acq: 26 Sep 2025 00:27

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 25791

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.2	7.6	11.4

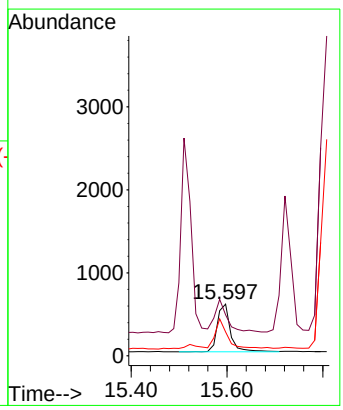


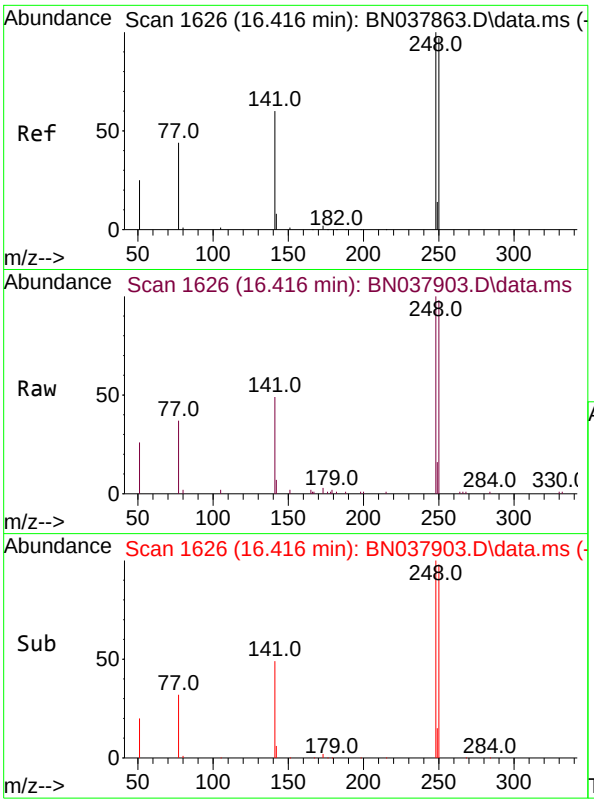


#20
4,6-Dinitro-2-methylphenol
Concen: 0.397 ng
RT: 15.597 min Scan# 1560
Delta R.T. -0.000 min
Lab File: BN037903.D
Acq: 26 Sep 2025 00:27

Tgt Ion:198 Resp: 1093

Ion	Ratio	Lower	Upper
198	100		
51	79.3	59.1	88.7
105	46.1	41.3	61.9



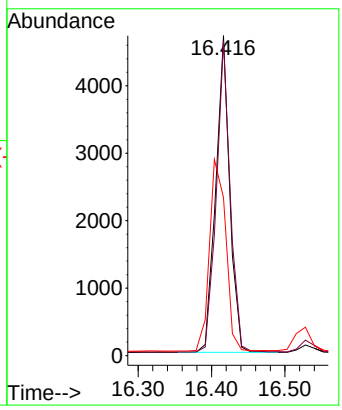


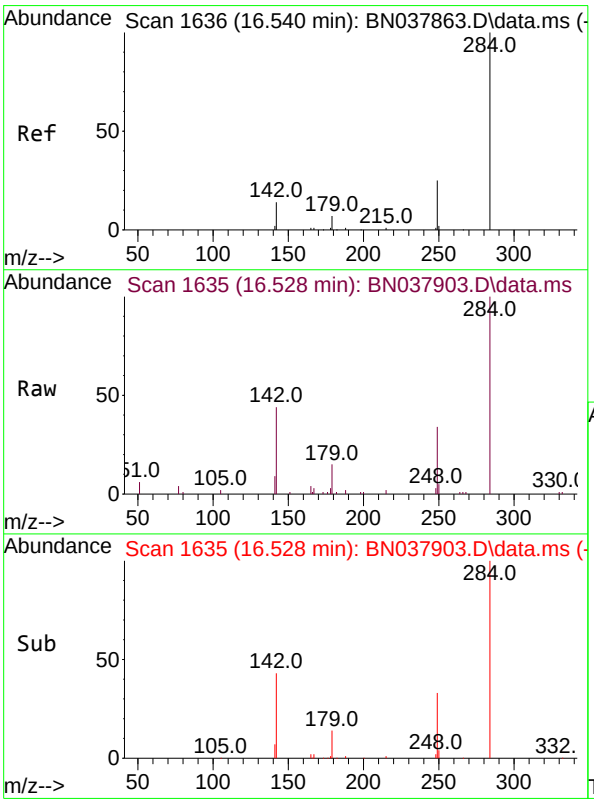
#21
4-Bromophenyl-phenylether
Concen: 0.371 ng
RT: 16.416 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037903.D
Acq: 26 Sep 2025 00:27

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:248 Resp: 6237

Ion	Ratio	Lower	Upper
248	100		
250	98.3	77.6	116.4
141	49.4	48.8	73.2

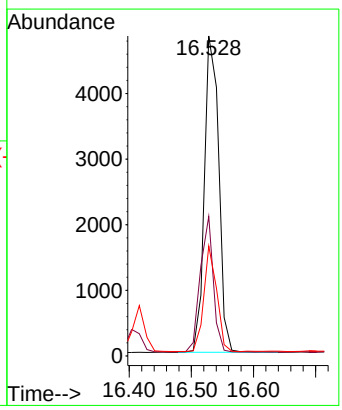


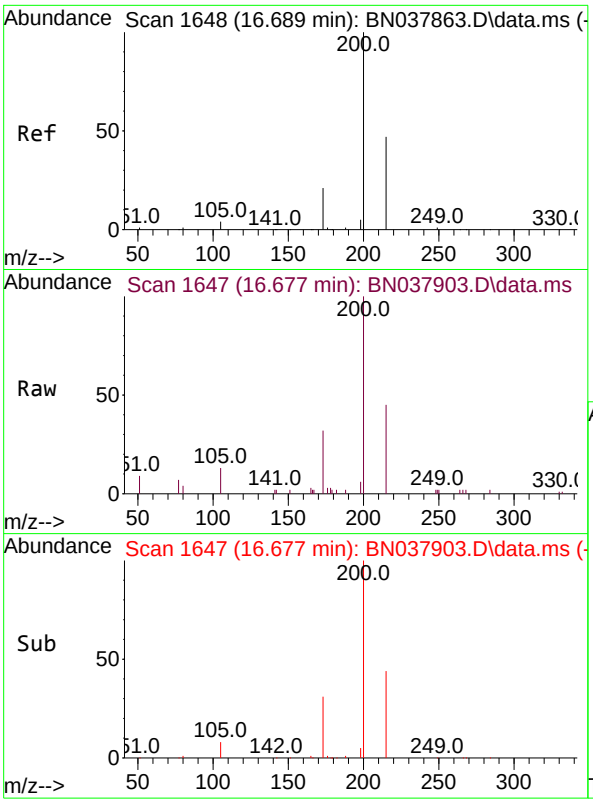


#22
Hexachlorobenzene
Concen: 0.379 ng
RT: 16.528 min Scan# 1635
Delta R.T. -0.012 min
Lab File: BN037903.D
Acq: 26 Sep 2025 00:27

Tgt Ion:284 Resp: 7720

Ion	Ratio	Lower	Upper
284	100		
142	38.9	30.9	46.3
249	30.0	23.9	35.9



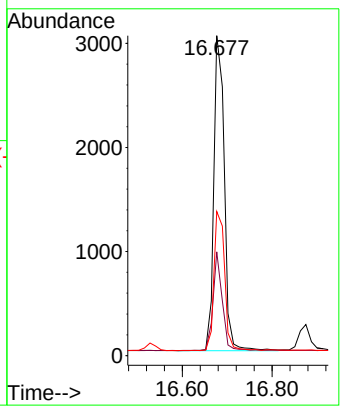


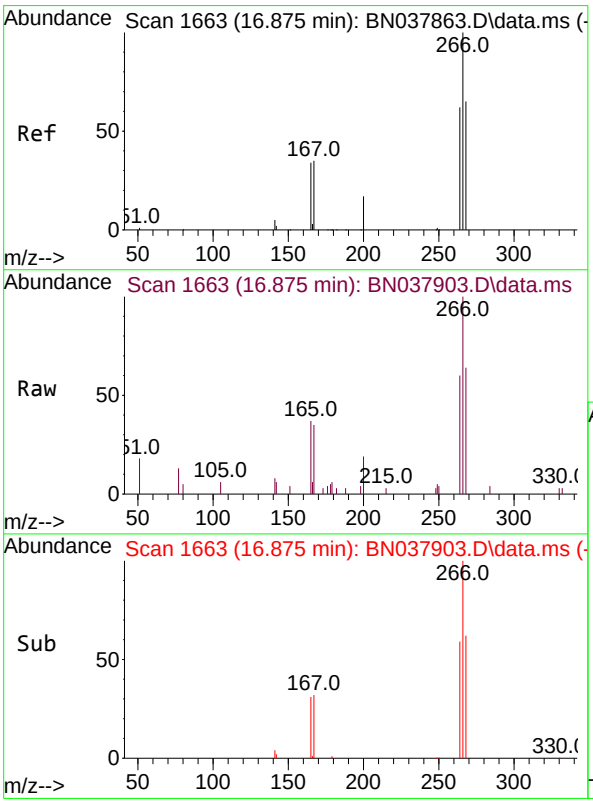
#23
Atrazine
Concen: 0.386 ng
RT: 16.677 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037903.D
Acq: 26 Sep 2025 00:27

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:200 Resp: 4935

Ion	Ratio	Lower	Upper
200	100		
173	32.5	18.3	27.5#
215	45.0	38.6	58.0

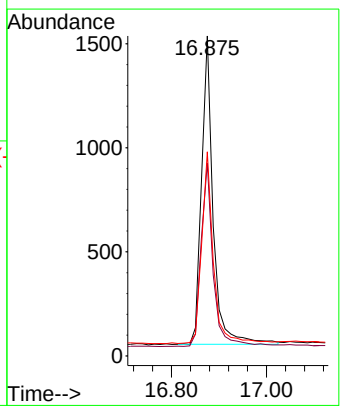


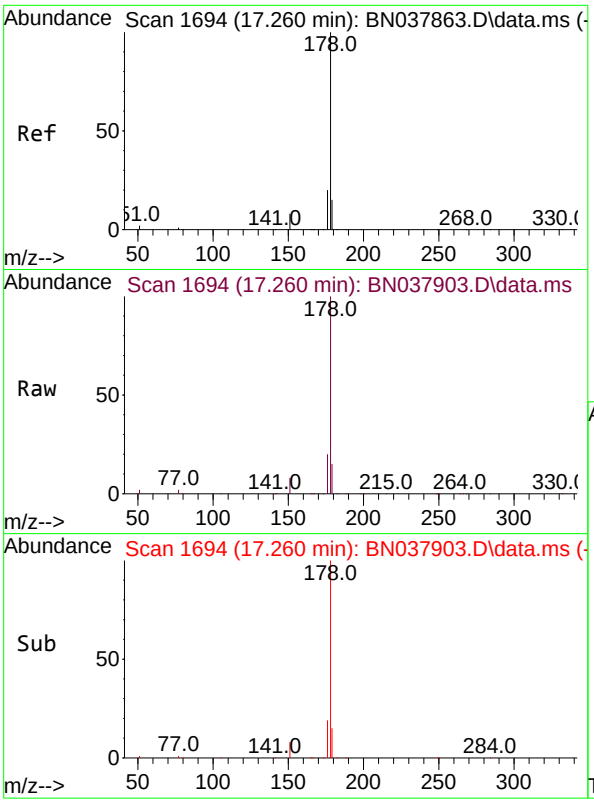


#24
Pentachlorophenol
Concen: 0.358 ng
RT: 16.875 min Scan# 1663
Delta R.T. 0.000 min
Lab File: BN037903.D
Acq: 26 Sep 2025 00:27

Tgt Ion:266 Resp: 2503

Ion	Ratio	Lower	Upper
266	100		
264	62.3	50.9	76.3
268	63.1	54.3	81.5



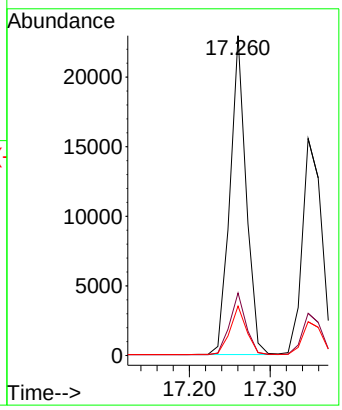


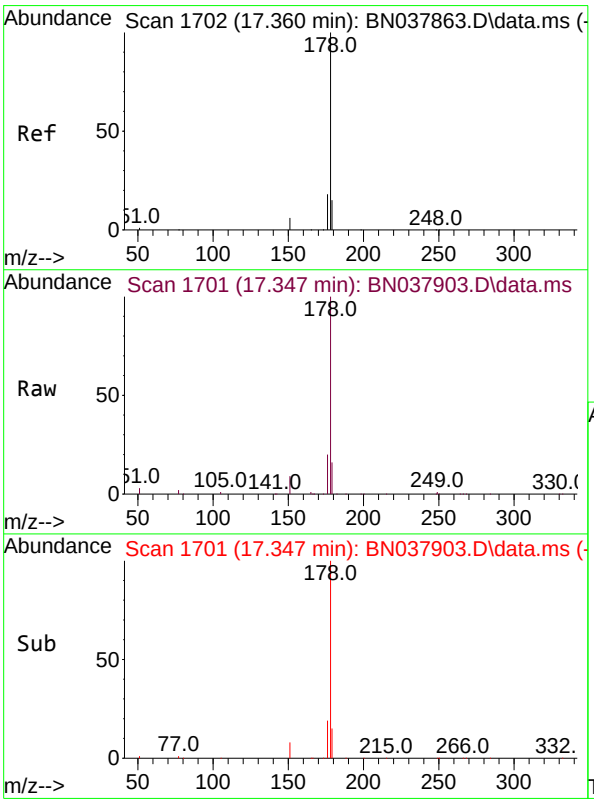
#25
Phenanthrene
Concen: 0.376 ng
RT: 17.260 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037903.D
Acq: 26 Sep 2025 00:27

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 31927

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.7	23.5
179	15.4	12.3	18.5

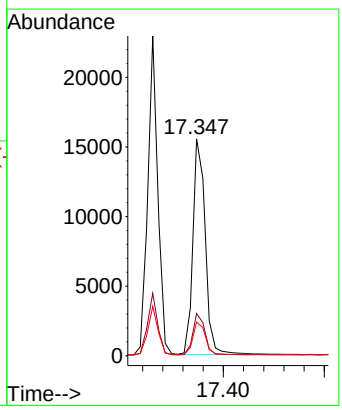


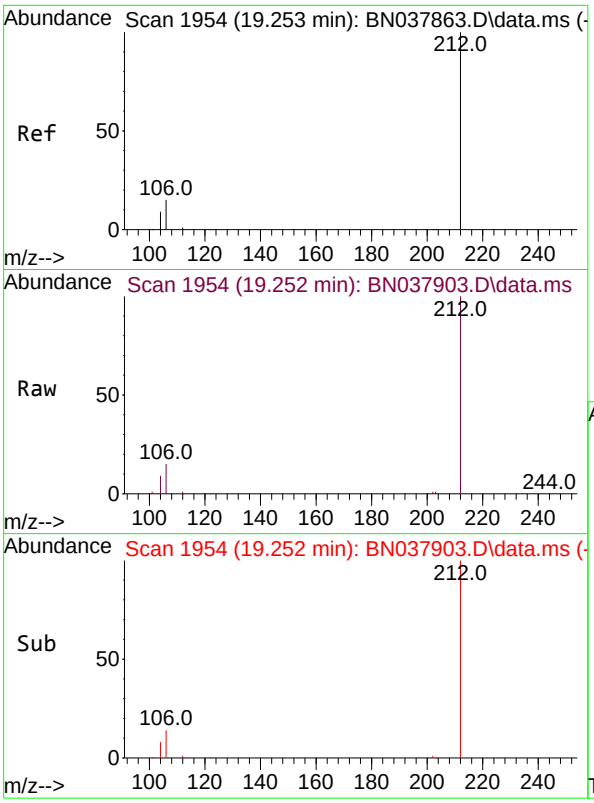


#26
Anthracene
Concen: 0.357 ng
RT: 17.347 min Scan# 1701
Delta R.T. -0.012 min
Lab File: BN037903.D
Acq: 26 Sep 2025 00:27

Tgt Ion:178 Resp: 26276

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.4
179	15.3	12.3	18.5



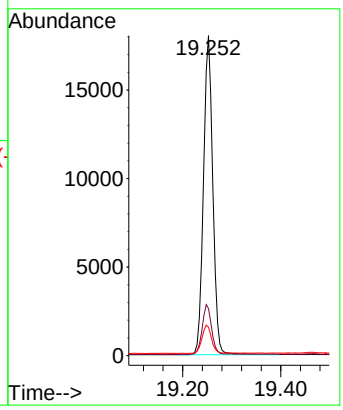


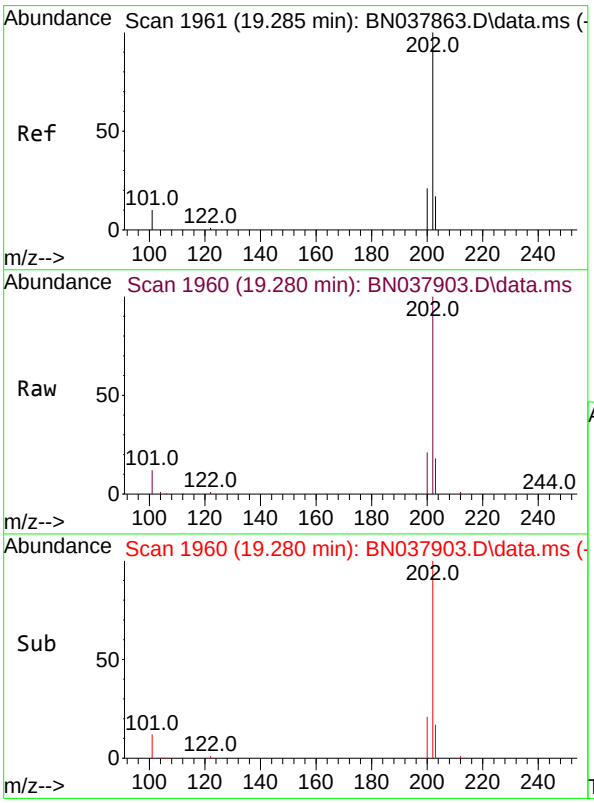
#27
Fluoranthene-d10
Concen: 0.366 ng
RT: 19.252 min Scan# 19
Delta R.T. -0.000 min
Lab File: BN037903.D
Acq: 26 Sep 2025 00:27

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 23737

Ion	Ratio	Lower	Upper
212	100		
106	15.7	12.6	19.0
104	9.1	7.4	11.0

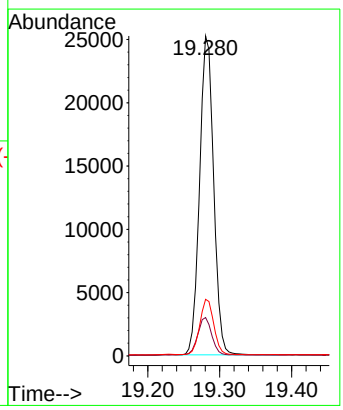


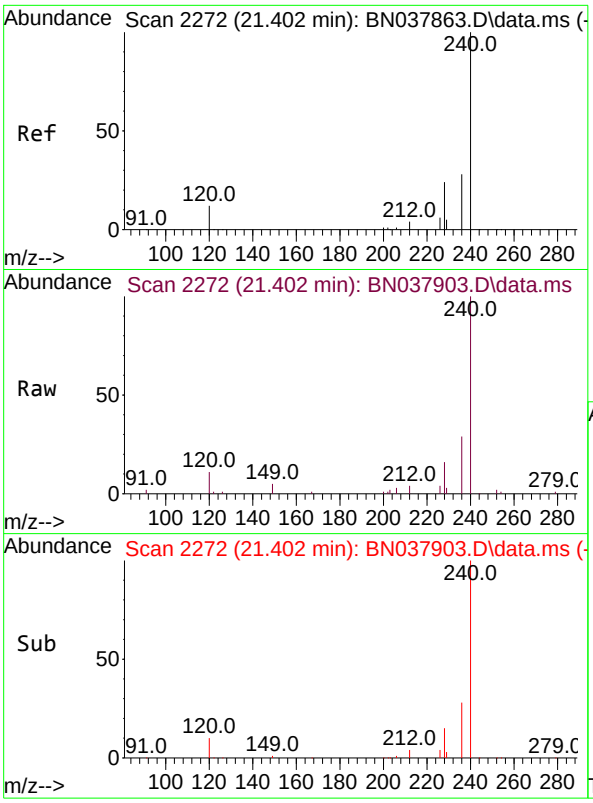


#28
Fluoranthene
Concen: 0.366 ng
RT: 19.280 min Scan# 1960
Delta R.T. -0.005 min
Lab File: BN037903.D
Acq: 26 Sep 2025 00:27

Tgt Ion:202 Resp: 34198

Ion	Ratio	Lower	Upper
202	100		
101	11.7	9.3	13.9
203	17.2	13.6	20.4



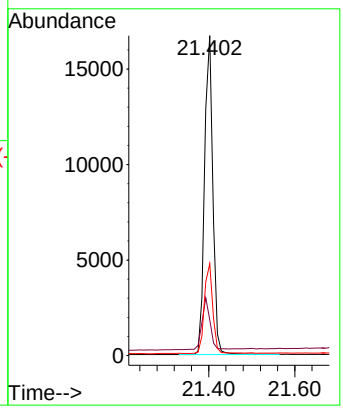


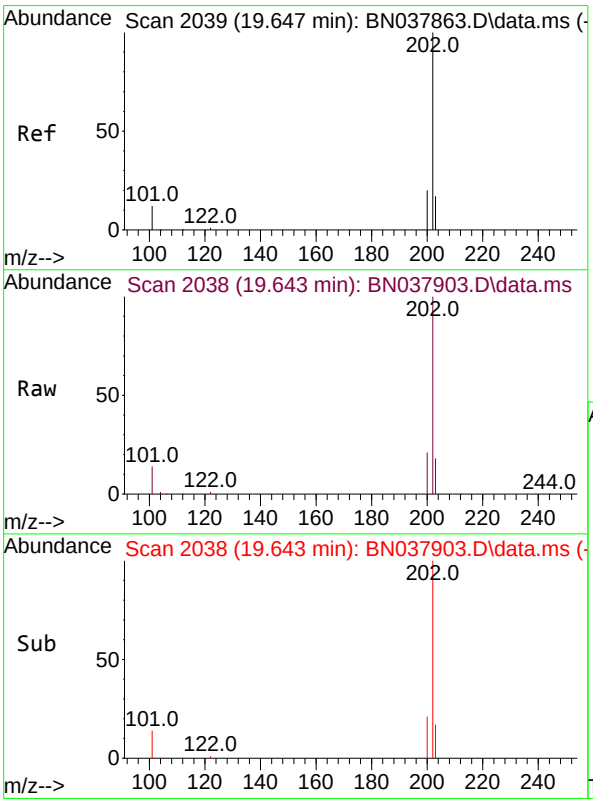
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.402 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037903.D
Acq: 26 Sep 2025 00:27

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 22233

Ion	Ratio	Lower	Upper
240	100		
120	11.2	11.4	17.2#
236	28.7	23.0	34.6

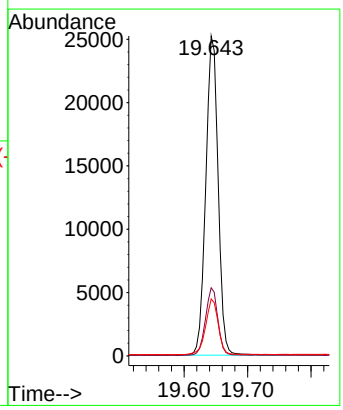


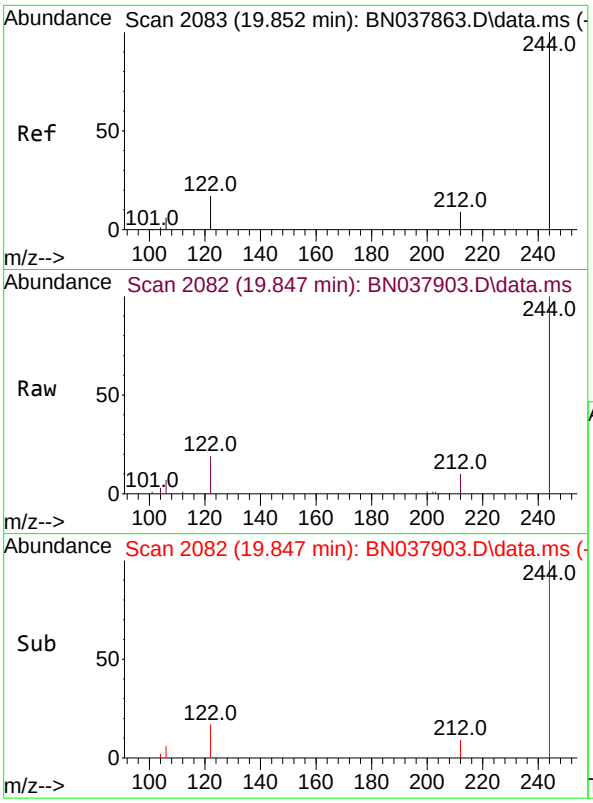


#30
Pyrene
Concen: 0.388 ng
RT: 19.643 min Scan# 2038
Delta R.T. -0.005 min
Lab File: BN037903.D
Acq: 26 Sep 2025 00:27

Tgt Ion:202 Resp: 34069

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.7	25.1
203	17.7	14.2	21.4



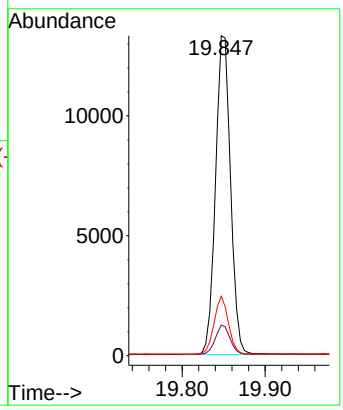


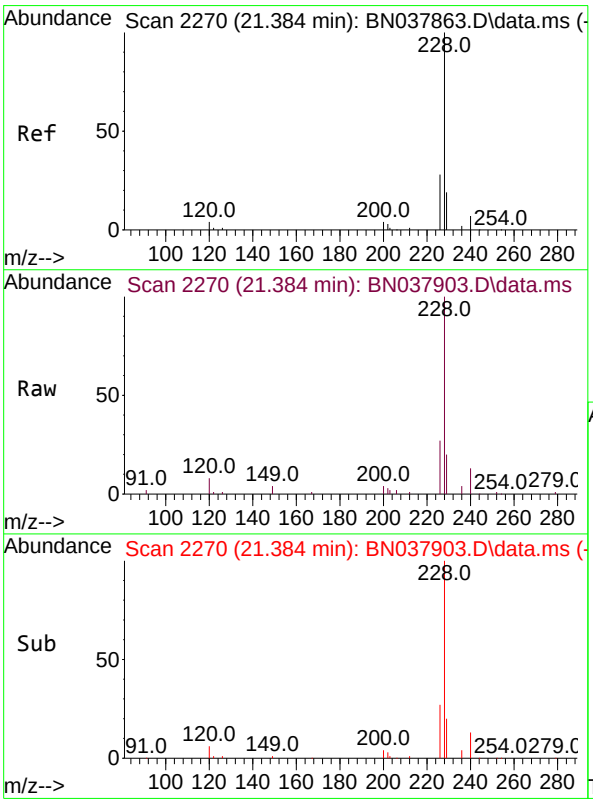
#31
Terphenyl-d14
Concen: 0.378 ng
RT: 19.847 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN037903.D
Acq: 26 Sep 2025 00:27

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 16742

Ion	Ratio	Lower	Upper
244	100		
212	9.5	7.6	11.4
122	18.5	13.9	20.9

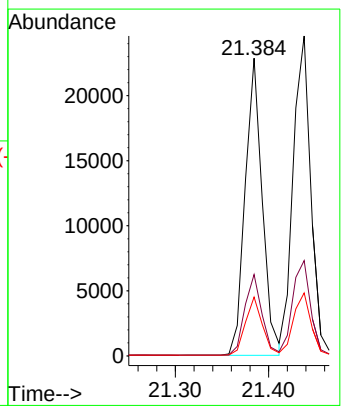


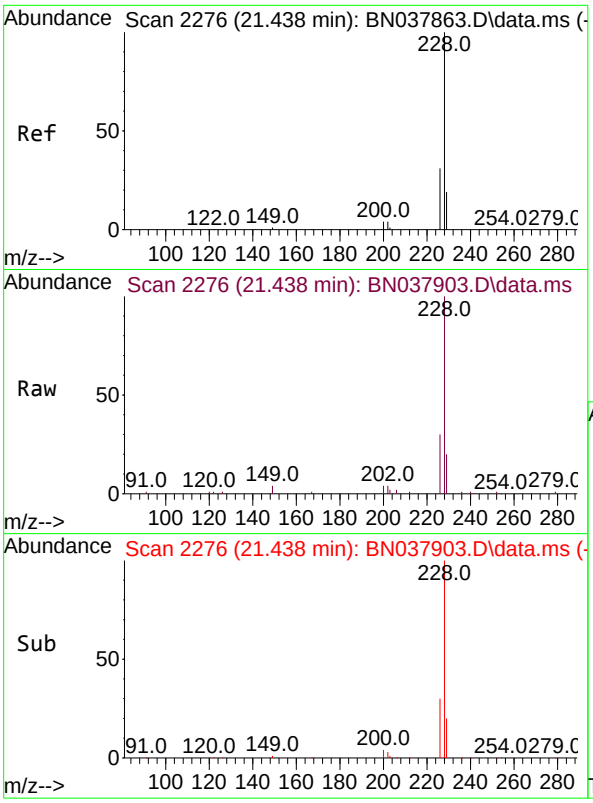


#32
Benzo(a)anthracene
Concen: 0.374 ng
RT: 21.384 min Scan# 2270
Delta R.T. -0.000 min
Lab File: BN037903.D
Acq: 26 Sep 2025 00:27

Tgt Ion:228 Resp: 29033

Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.6	33.8
229	19.7	15.6	23.4



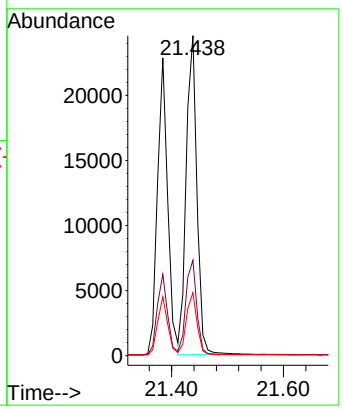


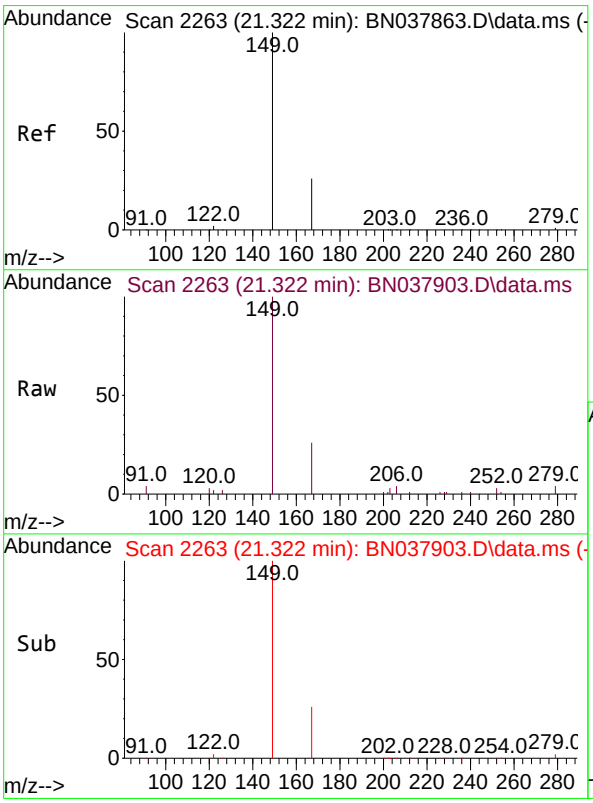
#33
Chrysene
Concen: 0.389 ng
RT: 21.438 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037903.D
Acq: 26 Sep 2025 00:27

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 32664

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.6	37.0
229	19.7	15.6	23.4

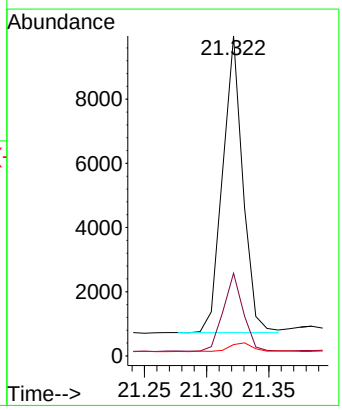


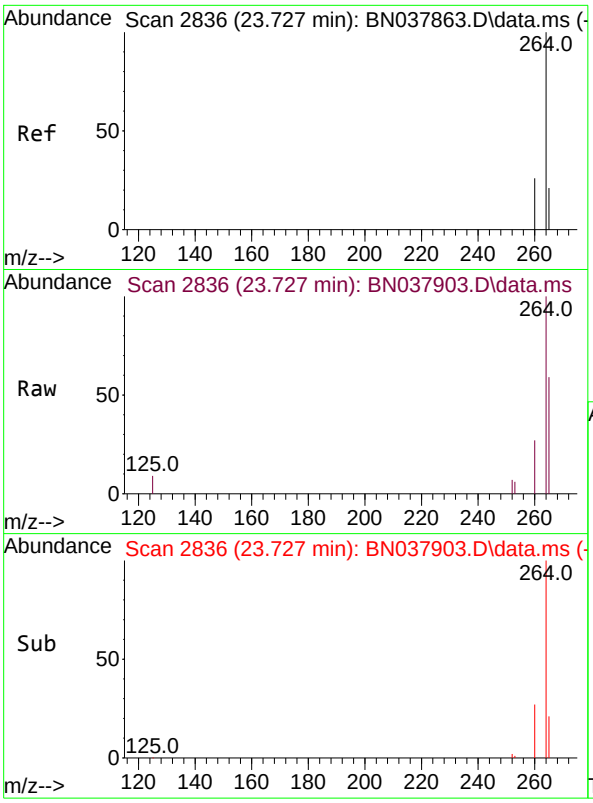


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.340 ng
RT: 21.322 min Scan# 2263
Delta R.T. -0.000 min
Lab File: BN037903.D
Acq: 26 Sep 2025 00:27

Tgt Ion:149 Resp: 10460

Ion	Ratio	Lower	Upper
149	100		
167	25.6	20.4	30.6
279	3.5	2.4	3.6



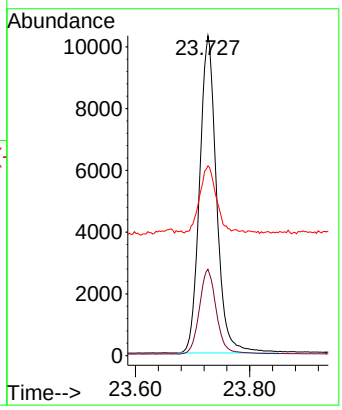


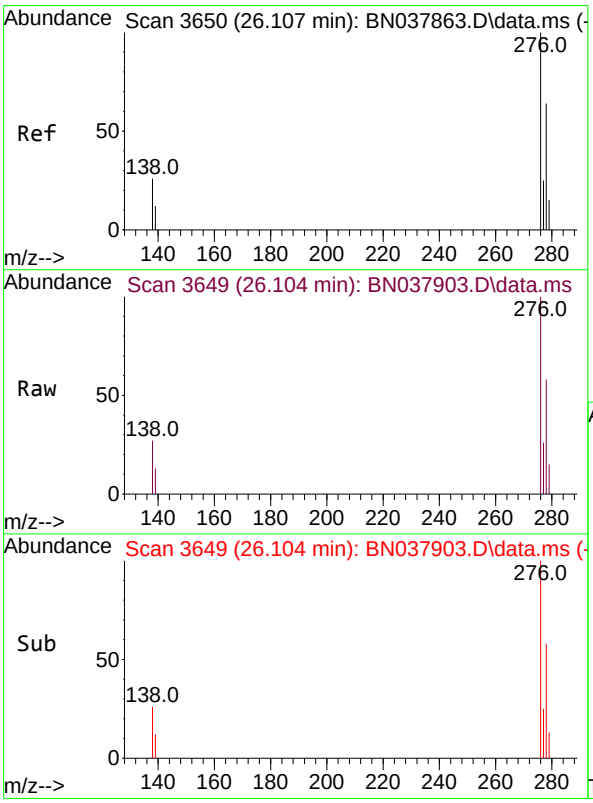
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.727 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037903.D
Acq: 26 Sep 2025 00:27

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:264 Resp: 21166

Ion	Ratio	Lower	Upper
264	100		
260	27.0	21.5	32.3
265	59.3	53.8	80.6

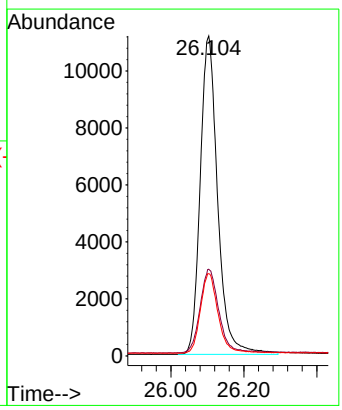


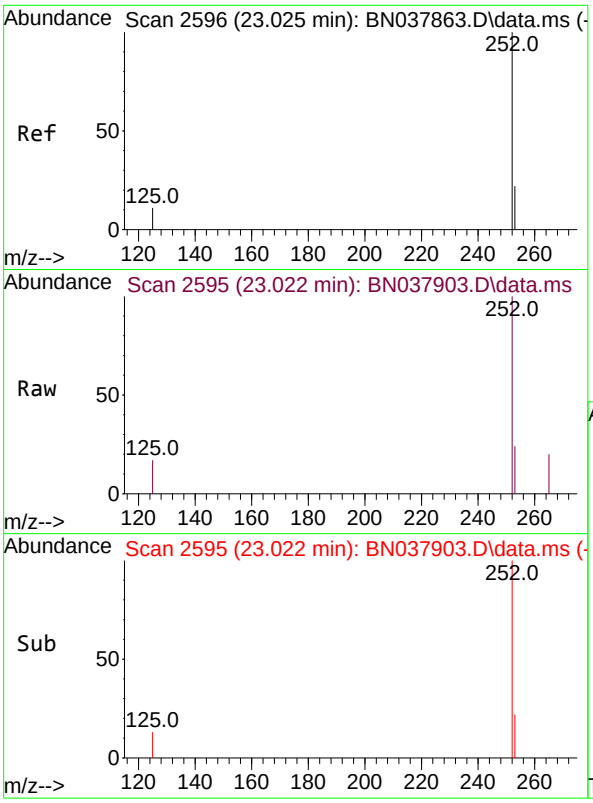


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.384 ng
RT: 26.104 min Scan# 3649
Delta R.T. -0.003 min
Lab File: BN037903.D
Acq: 26 Sep 2025 00:27

Tgt Ion:276 Resp: 37137

Ion	Ratio	Lower	Upper
276	100		
138	27.8	21.4	32.0
277	25.0	20.3	30.5



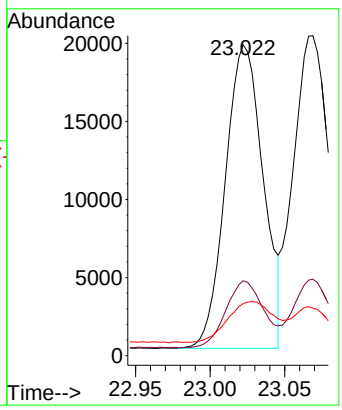


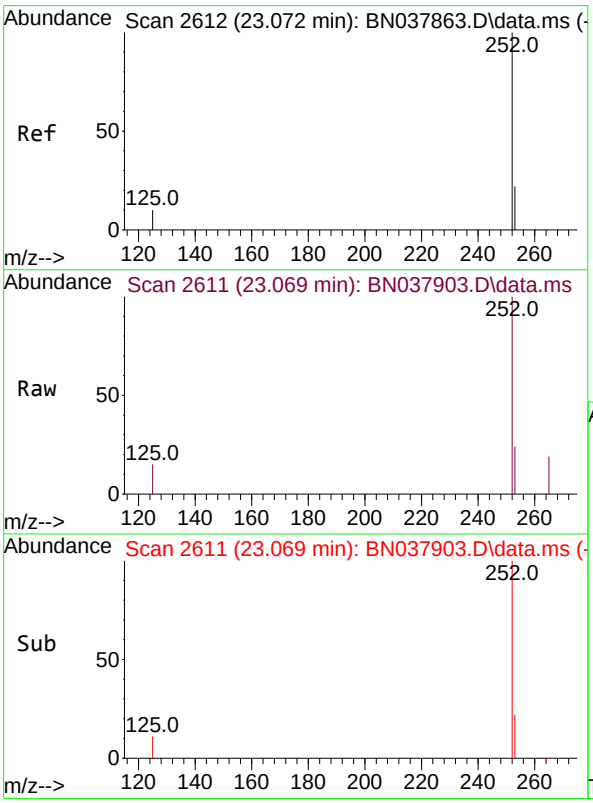
#37
Benzo(b)fluoranthene
Concen: 0.376 ng
RT: 23.022 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN037903.D
Acq: 26 Sep 2025 00:27

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 34345

Ion	Ratio	Lower	Upper
252	100		
253	24.1	19.4	29.0
125	16.8	13.0	19.4

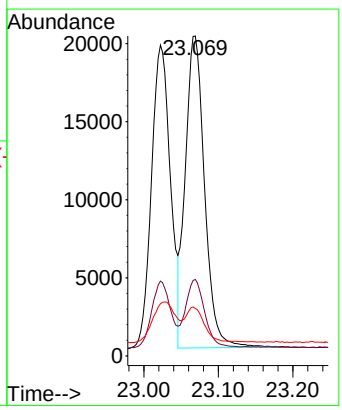


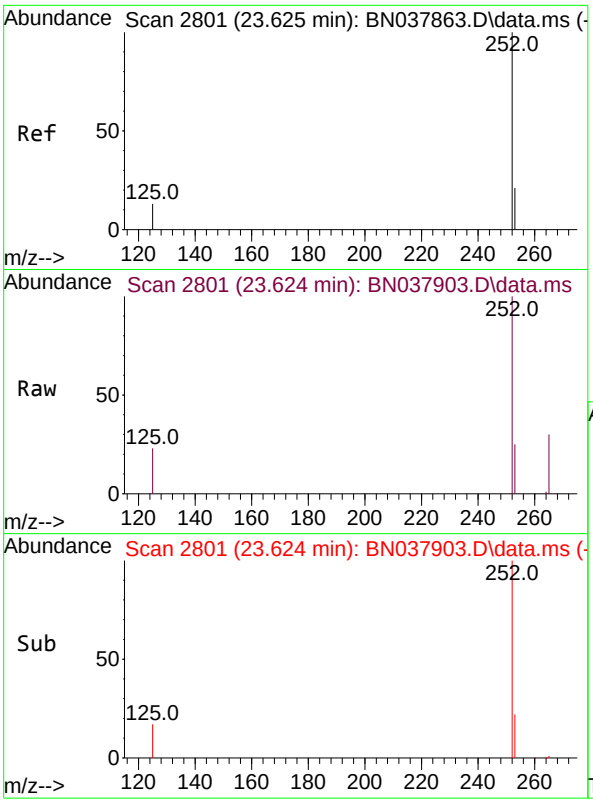


#38
Benzo(k)fluoranthene
Concen: 0.391 ng
RT: 23.069 min Scan# 2611
Delta R.T. -0.003 min
Lab File: BN037903.D
Acq: 26 Sep 2025 00:27

Tgt Ion:252 Resp: 35933

Ion	Ratio	Lower	Upper
252	100		
253	23.9	19.5	29.3
125	14.8	13.0	19.4



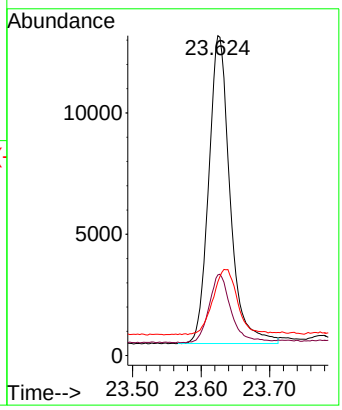


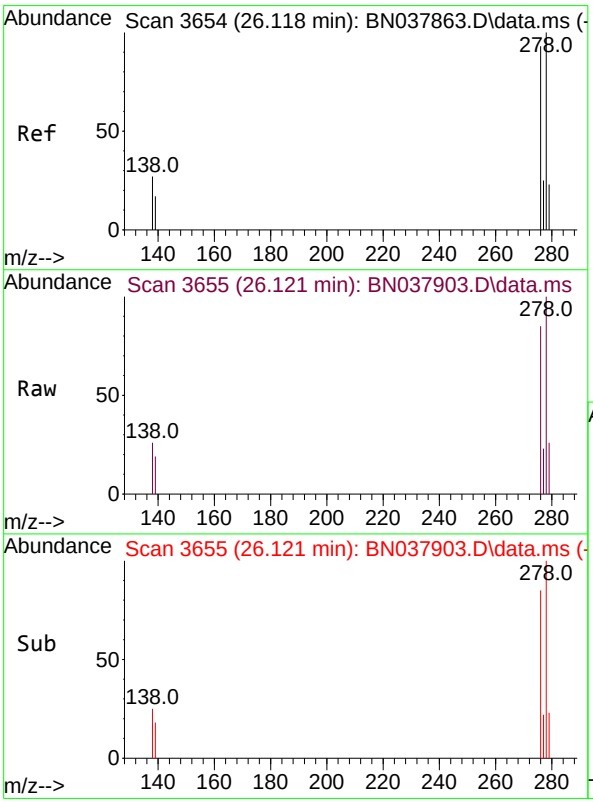
#39
Benzo(a)pyrene
Concen: 0.379 ng
RT: 23.624 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037903.D
Acq: 26 Sep 2025 00:27

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 27366

Ion	Ratio	Lower	Upper
252	100		
253	25.2	20.6	30.8
125	23.1	16.7	25.1

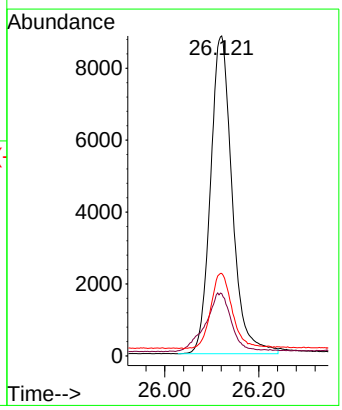


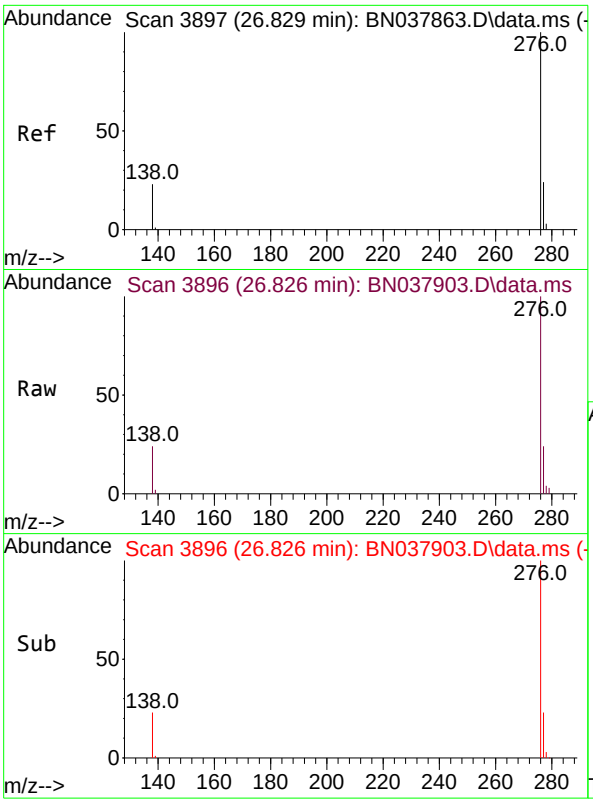


#40
Dibenzo(a,h)anthracene
Concen: 0.375 ng
RT: 26.121 min Scan# 3655
Delta R.T. 0.003 min
Lab File: BN037903.D
Acq: 26 Sep 2025 00:27

Tgt Ion:278 Resp: 28313

Ion	Ratio	Lower	Upper
278	100		
139	19.5	15.4	23.2
279	25.8	20.8	31.2



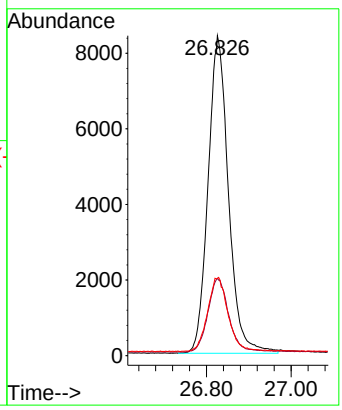


#41
Benzo(g,h,i)perylene
Concen: 0.354 ng
RT: 26.826 min Scan# 3
Delta R.T. -0.003 min
Lab File: BN037903.D
Acq: 26 Sep 2025 00:27

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 28079

Ion	Ratio	Lower	Upper
276	100		
277	24.2	20.2	30.4
138	24.1	19.8	29.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092525\
Data File : BN037903.D
Acq On : 26 Sep 2025 00:27
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Quant Time: Sep 26 00:52:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 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	0.405	-1.3	156	0.00
3		n-Nitrosodimethylamine	0.400	0.382	4.5	154	0.00
4	S	2-Fluorophenol	0.400	0.423	-5.7	174	0.00
5	S	Phenol-d6	0.400	0.423	-5.7	175	0.00
6		bis(2-Chloroethyl)ether	0.400	0.398	0.5	158	0.00
7	I	Naphthalene-d8	0.400	0.400	0.0	158	0.00
8	S	Nitrobenzene-d5	0.400	0.413	-3.2	172	0.00
9		Naphthalene	0.400	0.399	0.3	165	0.00
10		Hexachlorobutadiene	0.400	0.405	-1.3	165	-0.01
11	SURR	2-Methylnaphthalene-d10	0.400	0.372	7.0	163	0.00
12		2-Methylnaphthalene	0.400	0.383	4.3	163	0.00
13	I	Acenaphthene-d10	0.400	0.400	0.0	158	0.00
14	S	2,4,6-Tribromophenol	0.400	0.386	3.5	171	0.00
15	S	2-Fluorobiphenyl	0.400	0.399	0.3	166	0.00
16		Acenaphthylene	0.400	0.379	5.3	164	0.00
17		Acenaphthene	0.400	0.376	6.0	161	0.00
18		Fluorene	0.400	0.375	6.3	160	0.00
19	I	Phenanthrene-d10	0.400	0.400	0.0	162	0.00
20		4,6-Dinitro-2-methylphenol	0.400	0.397	0.8	157	0.00
21		4-Bromophenyl-phenylether	0.400	0.371	7.3	160	0.00
22		Hexachlorobenzene	0.400	0.379	5.3	159	-0.01
23		Atrazine	0.400	0.386	3.5	180	-0.01
24		Pentachlorophenol	0.400	0.358	10.5	171	0.00
25		Phenanthrene	0.400	0.376	6.0	163	0.00
26		Anthracene	0.400	0.357	10.8	161	-0.01
27	SURR	Fluoranthene-d10	0.400	0.366	8.5	168	0.00
28		Fluoranthene	0.400	0.366	8.5	164	0.00
29	I	Chrysene-d12	0.400	0.400	0.0	164	0.00
30		Pyrene	0.400	0.388	3.0	165	0.00
31	S	Terphenyl-d14	0.400	0.378	5.5	164	0.00
32		Benzo(a)anthracene	0.400	0.374	6.5	165	0.00
33		Chrysene	0.400	0.389	2.8	165	0.00
34		Bis(2-ethylhexyl)phthalate	0.400	0.340	15.0	158	0.00
35	I	Perylene-d12	0.400	0.400	0.0	168	0.00
36		Indeno(1,2,3-cd)pyrene	0.400	0.384	4.0	178	0.00
37		Benzo(b)fluoranthene	0.400	0.376	6.0	166	0.00
38		Benzo(k)fluoranthene	0.400	0.391	2.3	179	0.00
39	C	Benzo(a)pyrene	0.400	0.379	5.3	177	0.00
40		Dibenzo(a,h)anthracene	0.400	0.375	6.3	173	0.00
41		Benzo(g,h,i)perylene	0.400	0.354	11.5	159	0.00

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092525\
Data File : BN037903.D
Acq On : 26 Sep 2025 00:27
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Quant Time: Sep 26 00:52:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 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	0.406	0.412	-1.5	156#	0.00
3		n-Nitrosodimethylamine	0.540	0.516	4.4	154#	0.00
4	S	2-Fluorophenol	0.913	0.964	-5.6	174#	0.00
5	S	Phenol-d6	1.199	1.267	-5.7	175#	0.00
6		bis(2-Chloroethyl)ether	1.113	1.107	0.5	158#	0.00
7	I	Naphthalene-d8	1.000	1.000	0.0	158#	0.00
8	S	Nitrobenzene-d5	0.305	0.315	-3.3	172#	0.00
9		Naphthalene	1.102	1.099	0.3	165#	0.00
10		Hexachlorobutadiene	0.188	0.191	-1.6	165#	-0.01
11	SURR	2-Methylnaphthalene-d10	0.556	0.516	7.2	163#	0.00
12		2-Methylnaphthalene	0.720	0.690	4.2	163#	0.00
13	I	Acenaphthene-d10	1.000	1.000	0.0	158#	0.00
14	S	2,4,6-Tribromophenol	0.152	0.146	3.9	171#	0.00
15	S	2-Fluorobiphenyl	1.638	1.635	0.2	166#	0.00
16		Acenaphthylene	1.816	1.721	5.2	164#	0.00
17		Acenaphthene	1.294	1.217	6.0	161#	0.00
18		Fluorene	1.565	1.468	6.2	160#	0.00
19	I	Phenanthrene-d10	1.000	1.000	0.0	162#	0.00
20		4,6-Dinitro-2-methylphenol	0.057	0.042	26.3#	157#	0.00
21		4-Bromophenyl-phenylether	0.261	0.242	7.3	160#	0.00
22		Hexachlorobenzene	0.316	0.299	5.4	159#	-0.01
23		Atrazine	0.199	0.191	4.0	180#	-0.01
24		Pentachlorophenol	0.108	0.097	10.2	171#	0.00
25		Phenanthrene	1.316	1.238	5.9	163#	0.00
26		Anthracene	1.142	1.019	10.8	161#	-0.01
27	SURR	Fluoranthene-d10	1.006	0.920	8.5	168#	0.00
28		Fluoranthene	1.450	1.326	8.6	164#	0.00
29	I	Chrysene-d12	1.000	1.000	0.0	164#	0.00
30		Pyrene	1.579	1.532	3.0	165#	0.00
31	S	Terphenyl-d14	0.797	0.753	5.5	164#	0.00
32		Benzo(a)anthracene	1.398	1.306	6.6	165#	0.00
33		Chrysene	1.512	1.469	2.8	165#	0.00
34		Bis(2-ethylhexyl)phthalate	0.553	0.470	15.0	158#	0.00
35	I	Perylene-d12	1.000	1.000	0.0	168#	0.00
36		Indeno(1,2,3-cd)pyrene	1.828	1.755	4.0	178#	0.00
37		Benzo(b)fluoranthene	1.725	1.623	5.9	166#	0.00
38		Benzo(k)fluoranthene	1.736	1.698	2.2	179#	0.00
39	C	Benzo(a)pyrene	1.364	1.293	5.2	177#	0.00
40		Dibenzo(a,h)anthracene	1.427	1.338	6.2	173#	0.00
41		Benzo(g,h,i)perylene	1.499	1.327	11.5	159#	0.00

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

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	Alliance	Contract:	AECO15
Lab Code:	ACE	SDG No.:	Q3156
Instrument ID:	BNA_N	Calibration Date/Time:	09/26/2025 11:21
Lab File ID:	BN037921.D	Init. Calib. Date(s):	09/23/2025 09/23/2025
EPA Sample No.:	SSTDCCC0.4EC	Init. Calib. Time(s):	12:13 15:51

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.556	0.528		-5.0	50.0
Fluoranthene-d10	1.006	0.937		-6.9	50.0
2-Fluorophenol	0.913	0.977		7.0	50.0
Phenol-d6	1.199	1.303		8.7	50.0
Nitrobenzene-d5	0.305	0.311		2.0	50.0
2-Fluorobiphenyl	1.638	1.604		-2.1	50.0
2,4,6-Tribromophenol	0.152	0.151		-0.7	50.0
Terphenyl-d14	0.797	0.771		-3.3	50.0
1,4-Dioxane	0.406	0.404		-0.5	50.0

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092525\
Data File : BN037921.D
Acq On : 26 Sep 2025 11:21
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Quant Time: Sep 26 11:47:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration

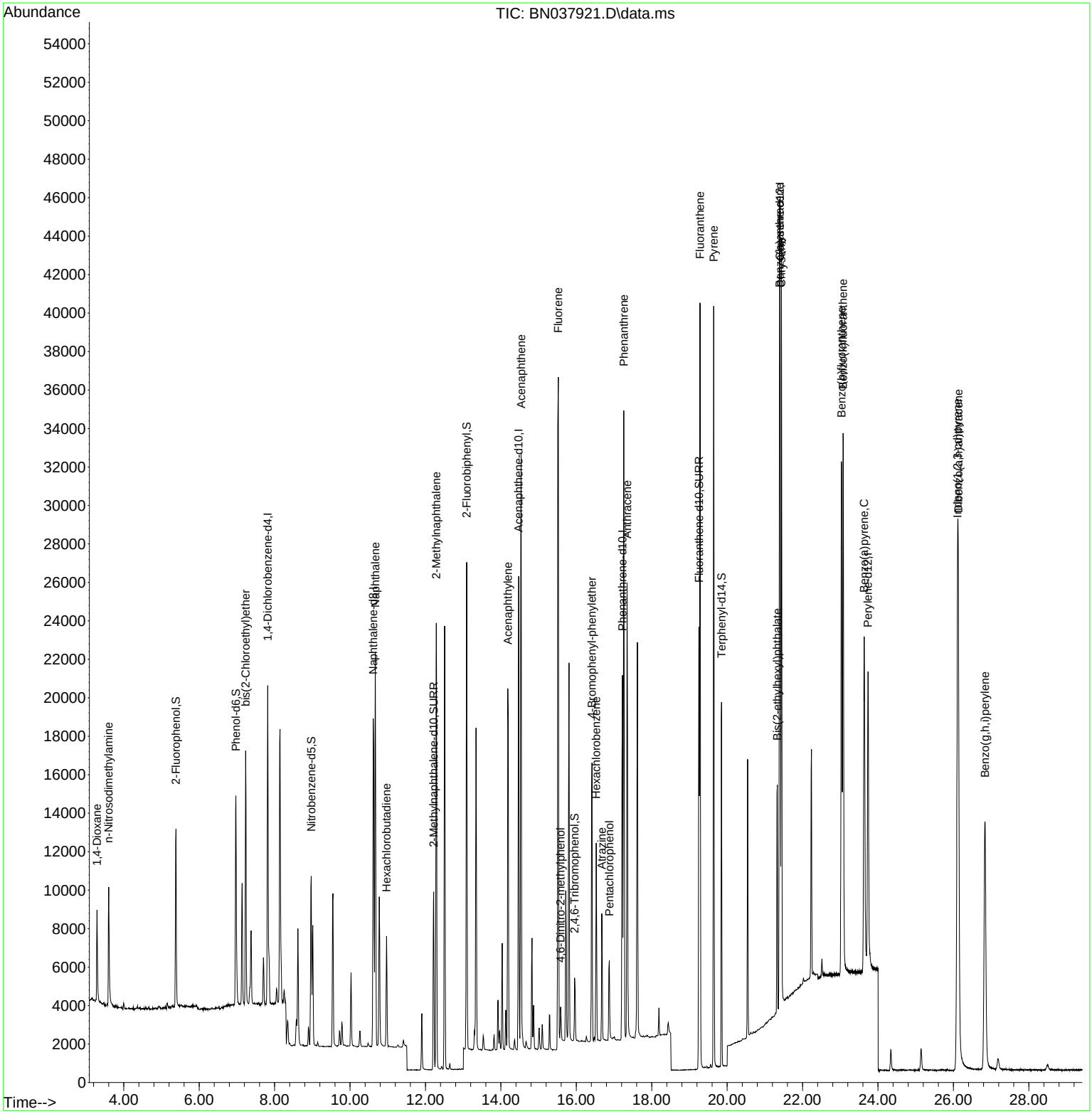
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.818	152	7926	0.400	ng	0.00
7) Naphthalene-d8	10.616	136	23443	0.400	ng	#-0.01
13) Acenaphthene-d10	14.473	164	12866	0.400	ng	0.00
19) Phenanthrene-d10	17.223	188	25670	0.400	ng	0.00
29) Chrysene-d12	21.402	240	22527	0.400	ng	# 0.00
35) Perylene-d12	23.736	264	21979	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.384	112	7742	0.428	ng	0.00
5) Phenol-d6	6.973	99	10324	0.434	ng	0.00
8) Nitrobenzene-d5	8.971	82	7287	0.408	ng	0.00
11) 2-Methylnaphthalene-d10	12.217	152	12389	0.380	ng	0.00
14) 2,4,6-Tribromophenol	15.957	330	1941	0.398	ng	-0.01
15) 2-Fluorobiphenyl	13.094	172	20634	0.392	ng	0.00
27) Fluoranthene-d10	19.253	212	24052	0.372	ng	0.00
31) Terphenyl-d14	19.852	244	17358	0.387	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.290	88	3204	0.398	ng	95
3) n-Nitrosodimethylamine	3.601	42	4016	0.375	ng	# 92
6) bis(2-Chloroethyl)ether	7.233	93	9196	0.417	ng	99
9) Naphthalene	10.669	128	25955	0.402	ng	99
10) Hexachlorobutadiene	10.968	225	4381	0.398	ng	# 100
12) 2-Methylnaphthalene	12.288	142	16533	0.392	ng	98
16) Acenaphthylene	14.185	152	21671	0.371	ng	100
17) Acenaphthene	14.537	154	15982	0.384	ng	99
18) Fluorene	15.523	166	18884	0.375	ng	97
20) 4,6-Dinitro-2-methylph...	15.585	198	1205	0.430	ng	# 69
21) 4-Bromophenyl-phenylether	16.416	248	6151	0.368	ng	# 90
22) Hexachlorobenzene	16.528	284	7623	0.376	ng	99
23) Atrazine	16.677	200	5073	0.398	ng	# 91
24) Pentachlorophenol	16.876	266	2389	0.343	ng	97
25) Phenanthrene	17.260	178	31643	0.375	ng	100
26) Anthracene	17.347	178	26606	0.363	ng	100
28) Fluoranthene	19.280	202	34647	0.372	ng	100
30) Pyrene	19.643	202	34352	0.386	ng	100
32) Benzo(a)anthracene	21.393	228	29018	0.369	ng	98
33) Chrysene	21.438	228	33118	0.389	ng	100
34) Bis(2-ethylhexyl)phtha...	21.331	149	11837	0.380	ng	98
36) Indeno(1,2,3-cd)pyrene	26.110	276	39931	0.398	ng	98
37) Benzo(b)fluoranthene	23.031	252	35289	0.372	ng	99
38) Benzo(k)fluoranthene	23.075	252	36373	0.381	ng	98
39) Benzo(a)pyrene	23.633	252	27713	0.370	ng	98
40) Dibenzo(a,h)anthracene	26.130	278	30785	0.393	ng	99
41) Benzo(g,h,i)perylene	26.838	276	29818	0.362	ng	99

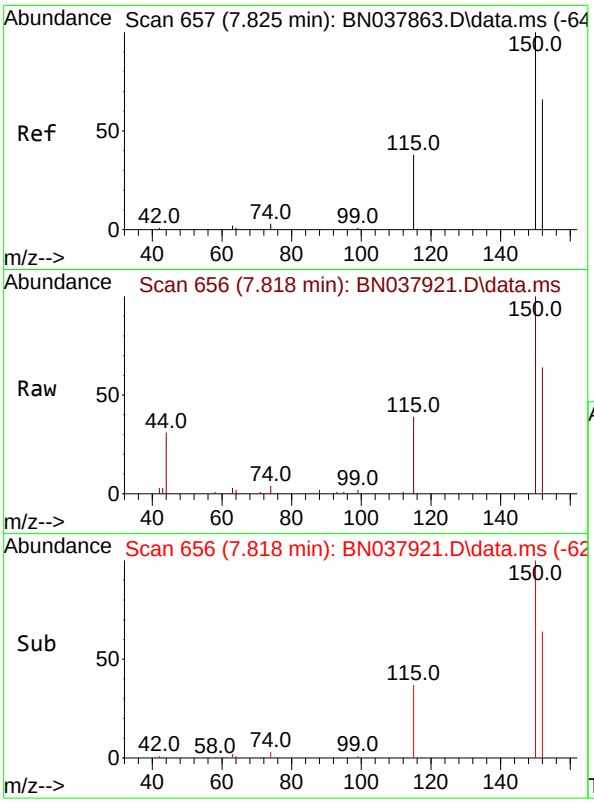
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092525\
Data File : BN037921.D
Acq On : 26 Sep 2025 11:21
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Quant Time: Sep 26 11:47:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration



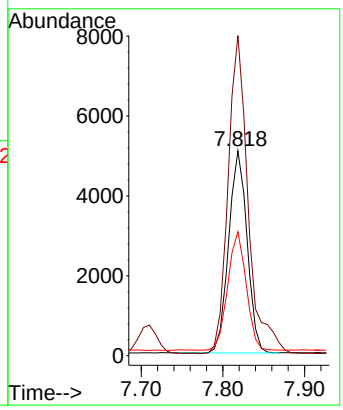


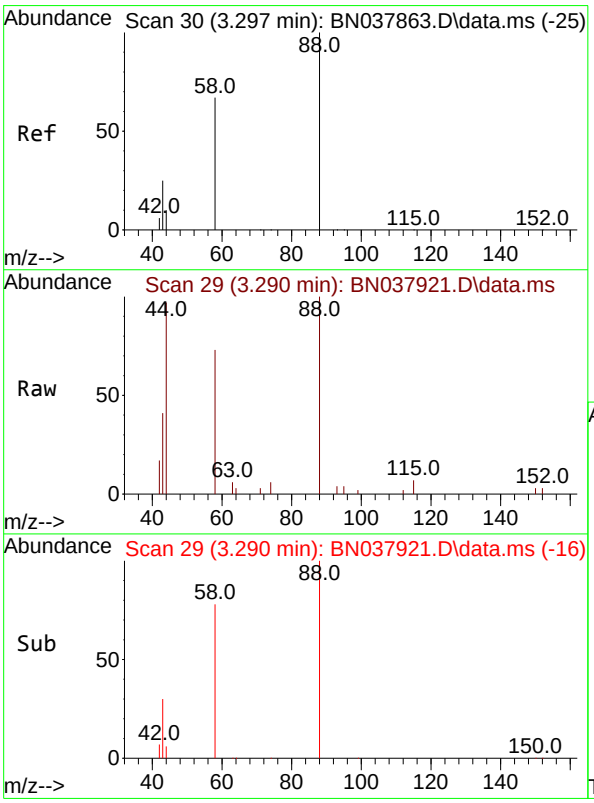
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.818 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN037921.D
Acq: 26 Sep 2025 11:21

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 7926

Ion	Ratio	Lower	Upper
152	100		
150	156.2	121.0	181.4
115	60.5	47.4	71.0

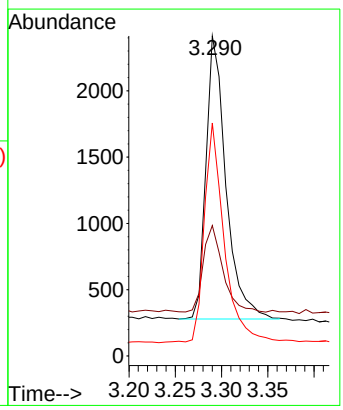


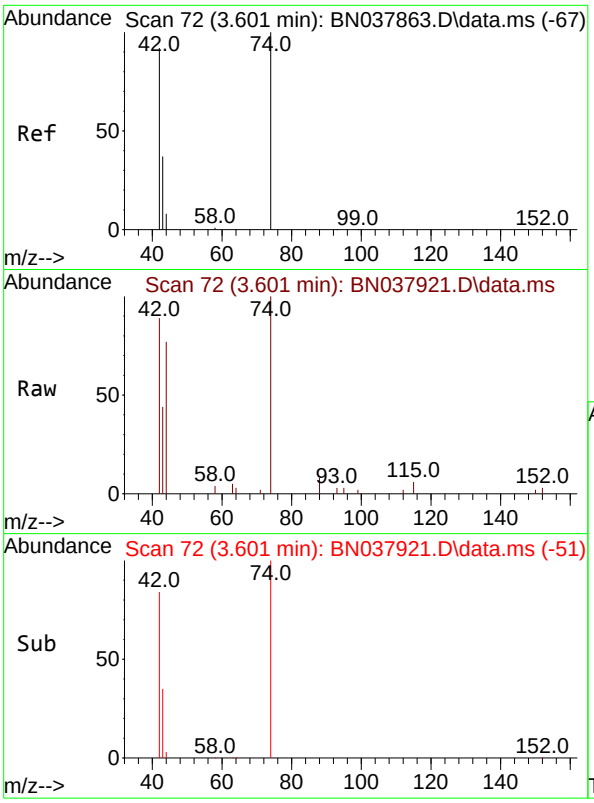


#2
1,4-Dioxane
Concen: 0.398 ng
RT: 3.290 min Scan# 29
Delta R.T. -0.007 min
Lab File: BN037921.D
Acq: 26 Sep 2025 11:21

Tgt Ion: 88 Resp: 3204

Ion	Ratio	Lower	Upper
88	100		
43	30.0	26.6	39.8
58	77.4	58.9	88.3



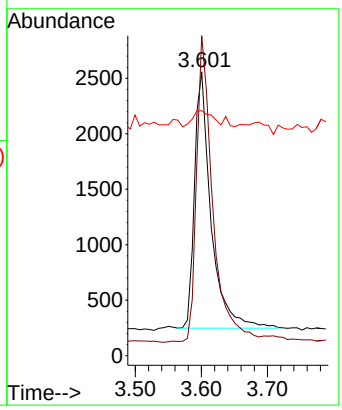


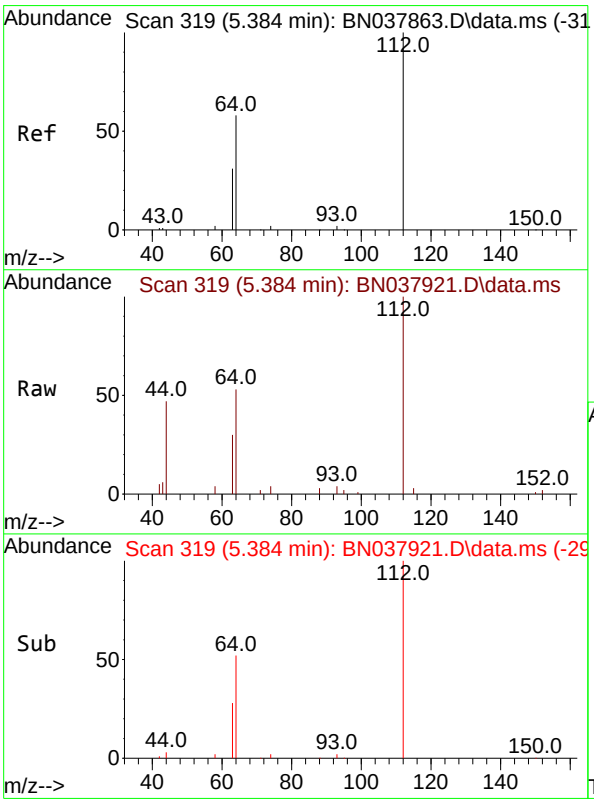
#3
n-Nitrosodimethylamine
Concen: 0.375 ng
RT: 3.601 min Scan# 7
Delta R.T. 0.000 min
Lab File: BN037921.D
Acq: 26 Sep 2025 11:21

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 42 Resp: 4016

Ion	Ratio	Lower	Upper
42	100		
74	118.0	93.4	140.0
44	7.3	22.2	33.4#

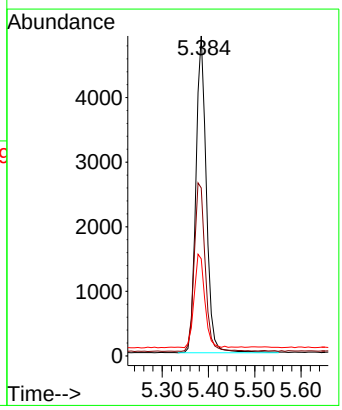


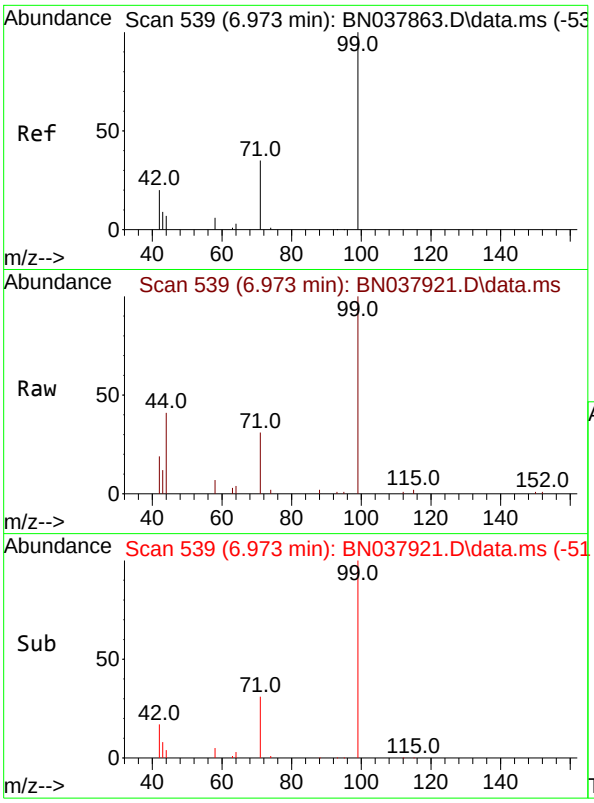


#4
2-Fluorophenol
Concen: 0.428 ng
RT: 5.384 min Scan# 319
Delta R.T. 0.000 min
Lab File: BN037921.D
Acq: 26 Sep 2025 11:21

Tgt Ion:112 Resp: 7742

Ion	Ratio	Lower	Upper
112	100		
64	55.7	44.6	66.8
63	29.5	24.9	37.3



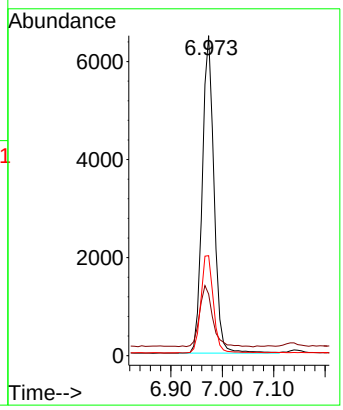


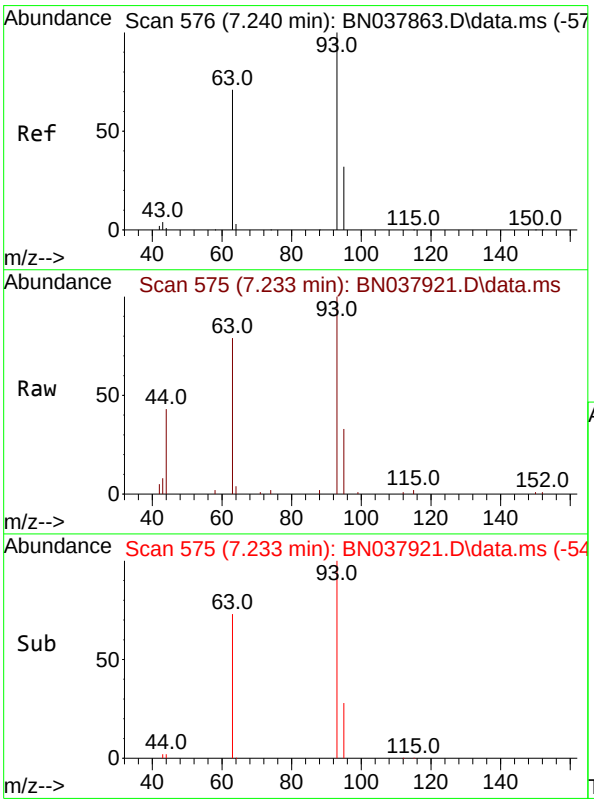
#5
Phenol-d6
Concen: 0.434 ng
RT: 6.973 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN037921.D
Acq: 26 Sep 2025 11:21

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 99 Resp: 10324

Ion	Ratio	Lower	Upper
99	100		
42	21.5	17.2	25.8
71	32.7	27.3	40.9

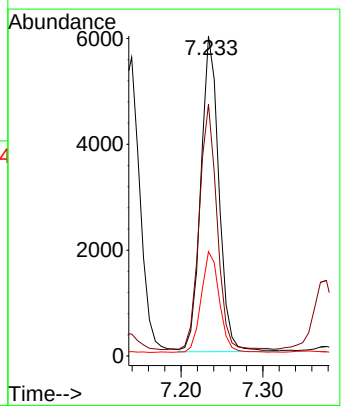


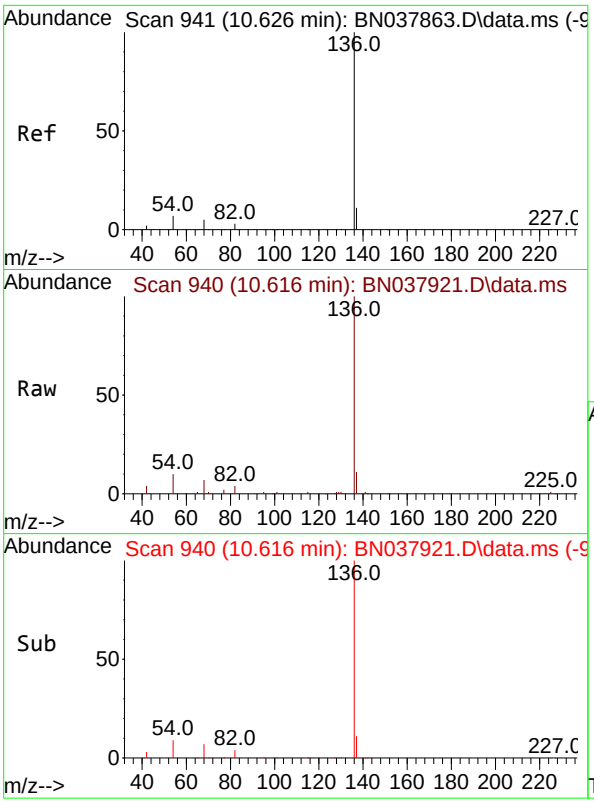


#6
bis(2-Chloroethyl)ether
Concen: 0.417 ng
RT: 7.233 min Scan# 575
Delta R.T. -0.007 min
Lab File: BN037921.D
Acq: 26 Sep 2025 11:21

Tgt Ion: 93 Resp: 9196

Ion	Ratio	Lower	Upper
93	100		
63	76.0	60.1	90.1
95	32.0	25.4	38.2



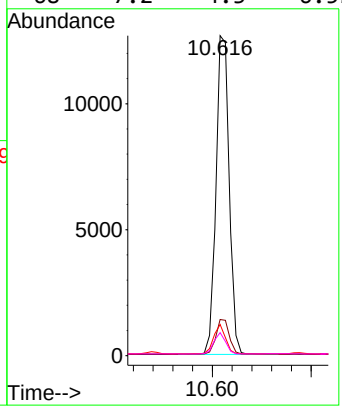


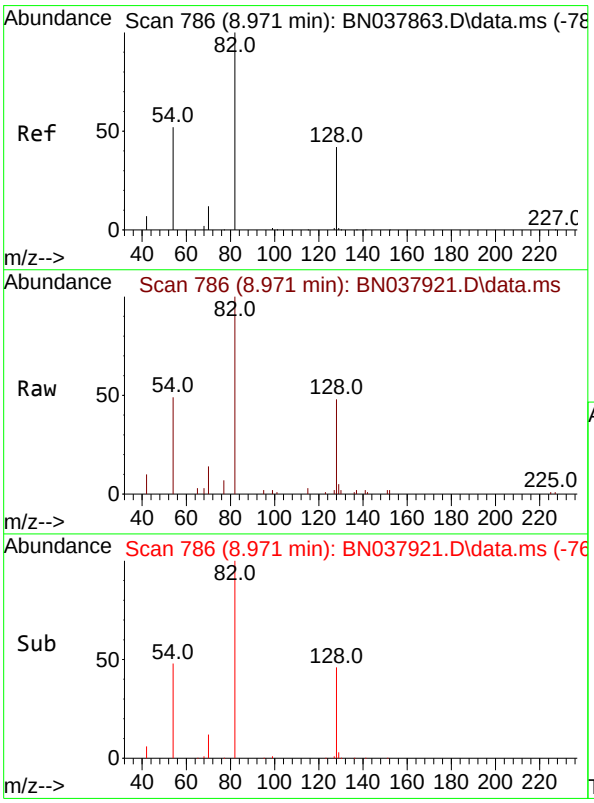
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.616 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037921.D
Acq: 26 Sep 2025 11:21

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:136 Resp: 23443

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.4
54	9.8	5.8	8.8#
68	7.2	4.3	6.5#

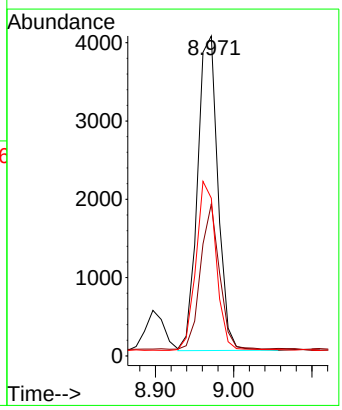


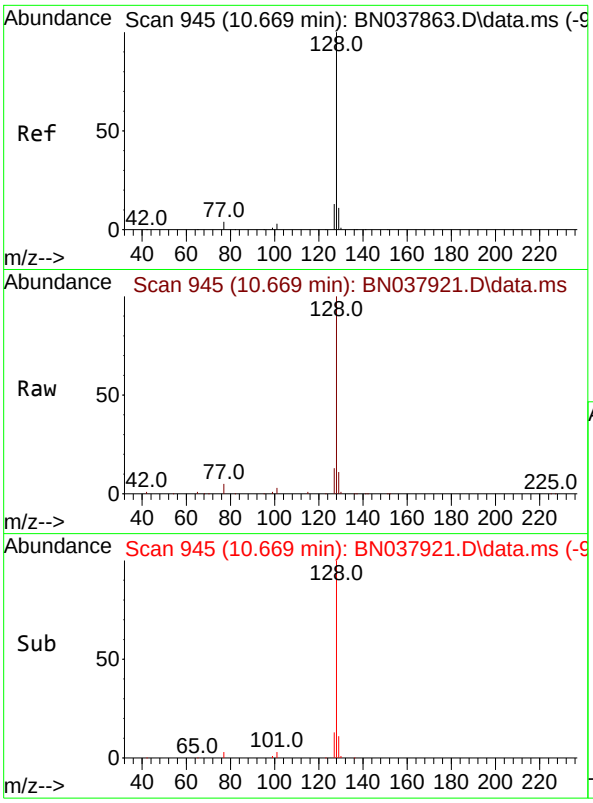


#8
Nitrobenzene-d5
Concen: 0.408 ng
RT: 8.971 min Scan# 786
Delta R.T. 0.000 min
Lab File: BN037921.D
Acq: 26 Sep 2025 11:21

Tgt Ion: 82 Resp: 7287

Ion	Ratio	Lower	Upper
82	100		
128	47.5	34.8	52.2
54	49.3	42.2	63.2



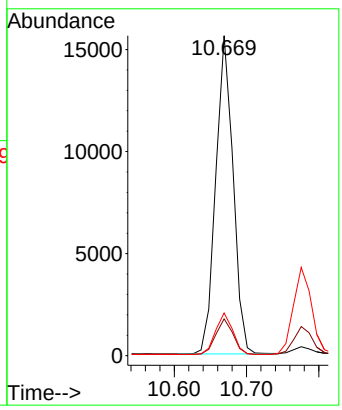


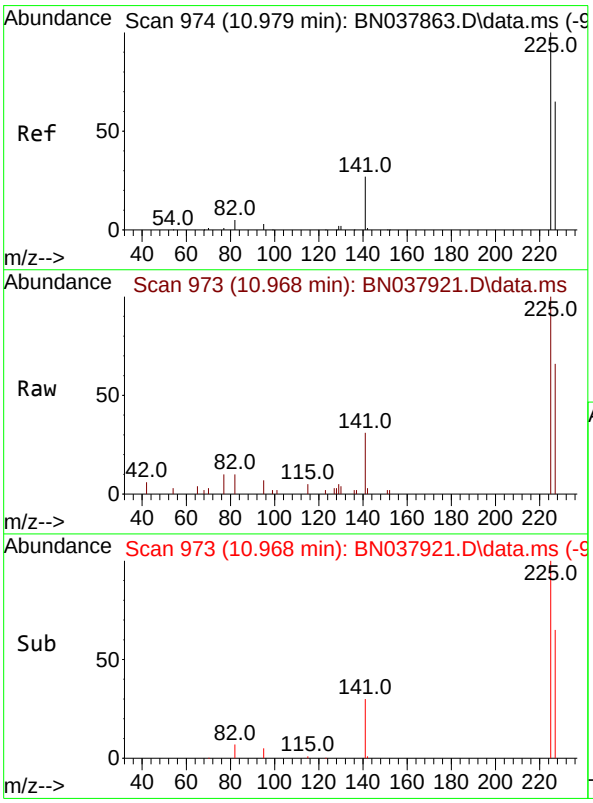
#9
Naphthalene
Concen: 0.402 ng
RT: 10.669 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN037921.D
Acq: 26 Sep 2025 11:21

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:128 Resp: 25955

Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.2	13.8
127	13.4	11.0	16.6

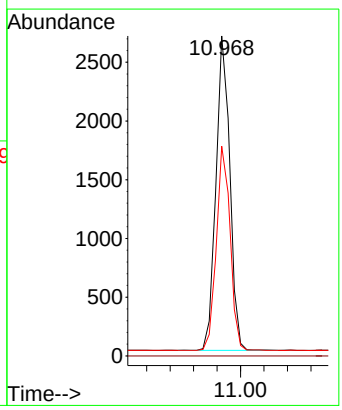


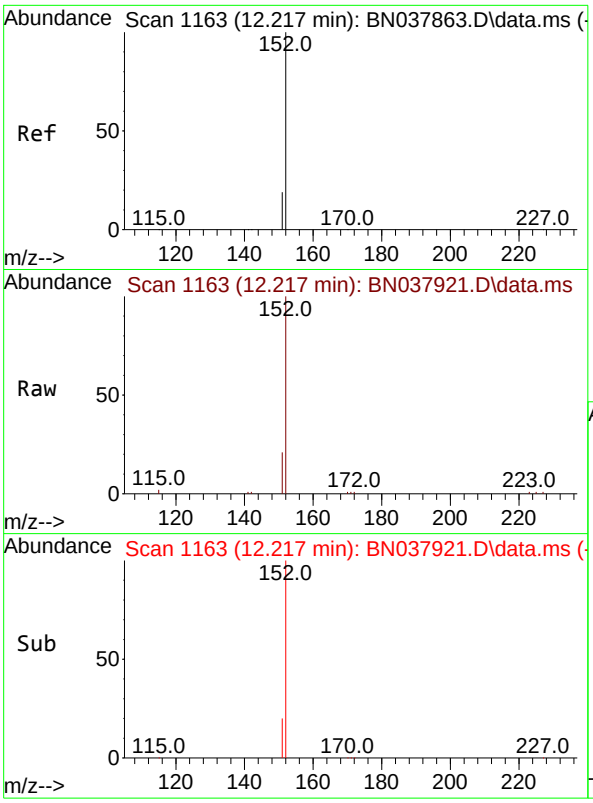


#10
Hexachlorobutadiene
Concen: 0.398 ng
RT: 10.968 min Scan# 973
Delta R.T. -0.011 min
Lab File: BN037921.D
Acq: 26 Sep 2025 11:21

Tgt Ion:225 Resp: 4381

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.5	51.4	77.2



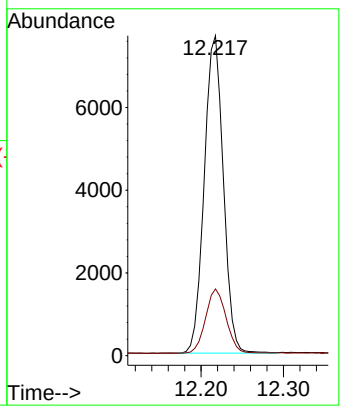


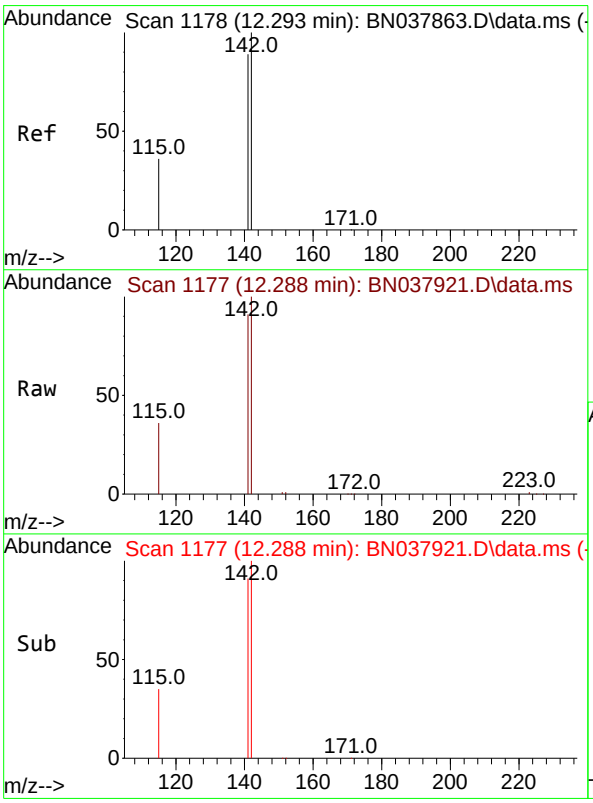
#11
2-Methylnaphthalene-d10
Concen: 0.380 ng
RT: 12.217 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN037921.D
Acq: 26 Sep 2025 11:21

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 12389

Ion	Ratio	Lower	Upper
152	100		
151	21.9	17.4	26.2

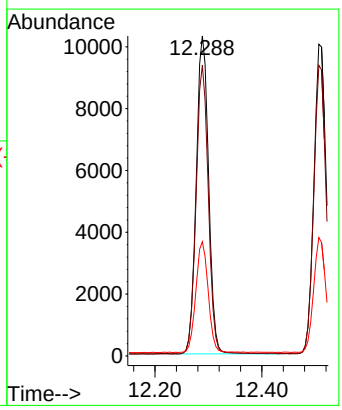


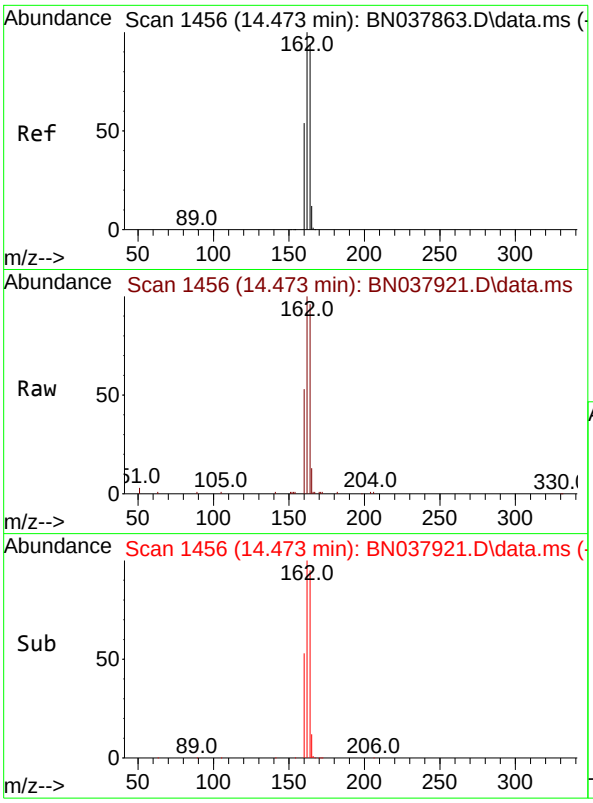


#12
2-Methylnaphthalene
Concen: 0.392 ng
RT: 12.288 min Scan# 1177
Delta R.T. -0.005 min
Lab File: BN037921.D
Acq: 26 Sep 2025 11:21

Tgt Ion:142 Resp: 16533

Ion	Ratio	Lower	Upper
142	100		
141	90.9	71.2	106.8
115	35.7	29.7	44.5



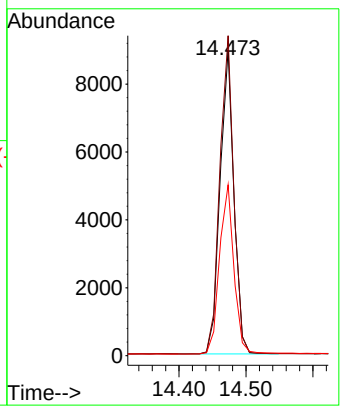


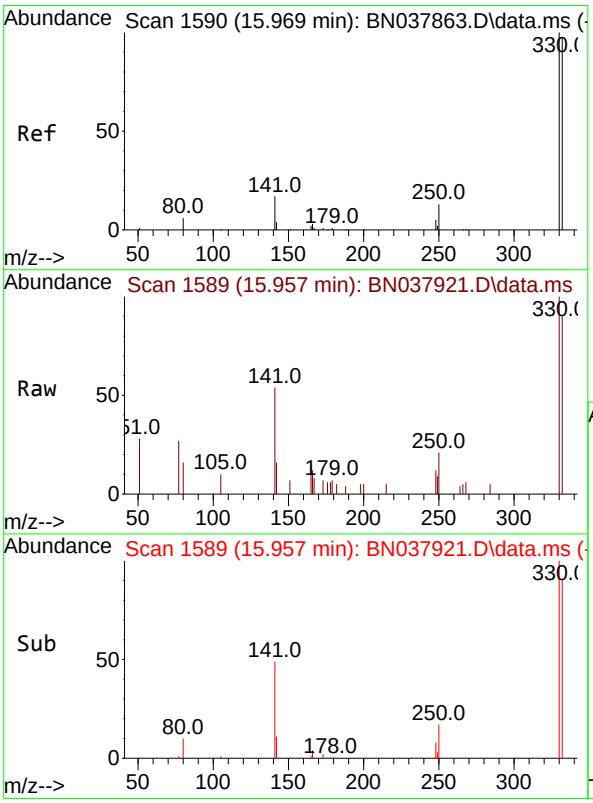
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.473 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037921.D
Acq: 26 Sep 2025 11:21

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:164 Resp: 12866

Ion	Ratio	Lower	Upper
164	100		
162	104.7	84.8	127.2
160	55.9	46.1	69.1

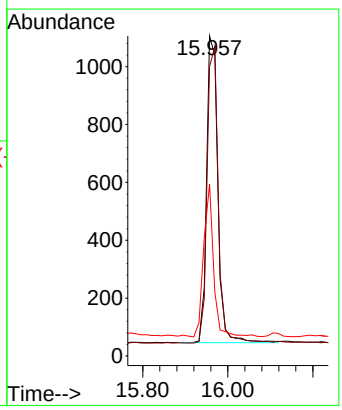


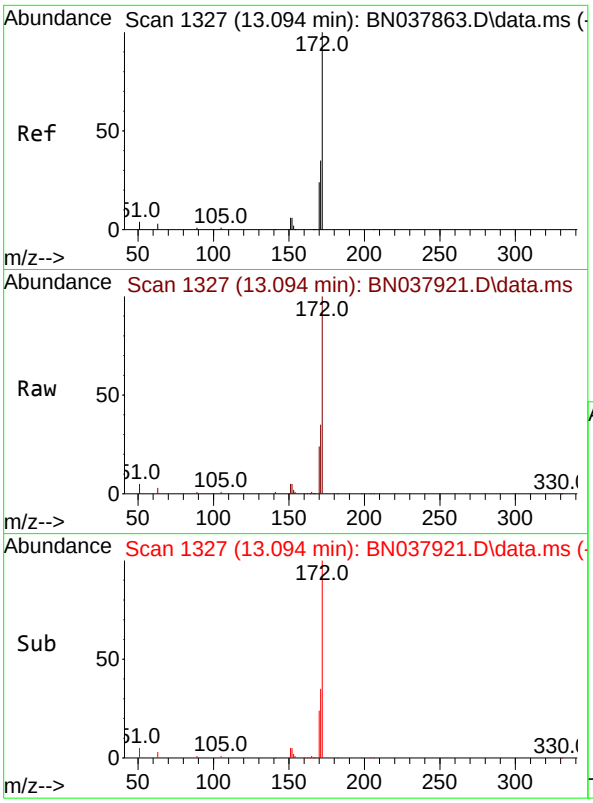


#14
2,4,6-Tribromophenol
Concen: 0.398 ng
RT: 15.957 min Scan# 1589
Delta R.T. -0.012 min
Lab File: BN037921.D
Acq: 26 Sep 2025 11:21

Tgt Ion:330 Resp: 1941

Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.2	115.8
141	43.7	37.2	55.8



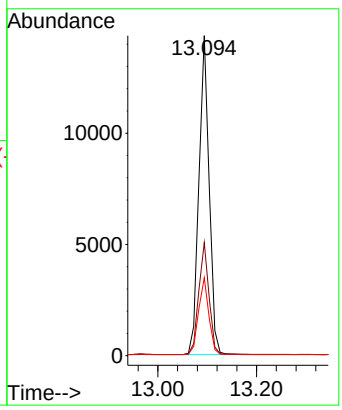


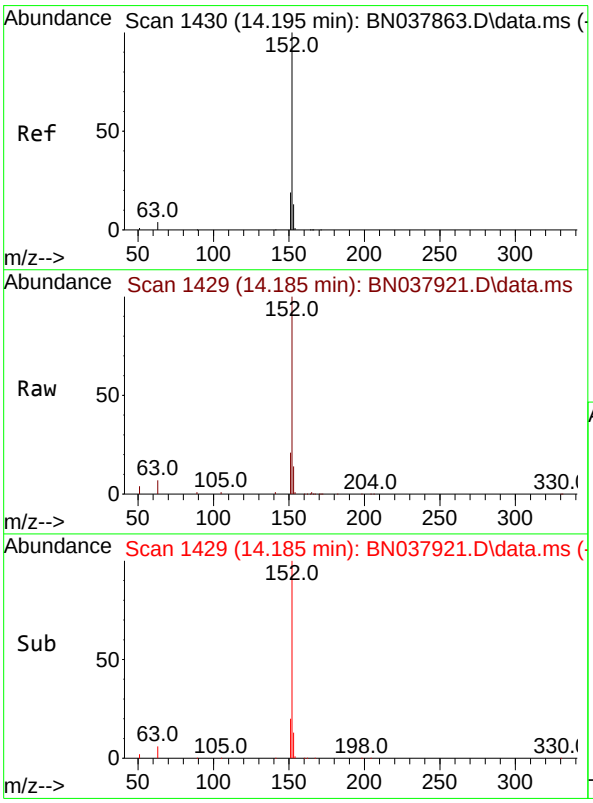
#15
2-Fluorobiphenyl
Concen: 0.392 ng
RT: 13.094 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037921.D
Acq: 26 Sep 2025 11:21

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:172 Resp: 20634

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.6	43.0
170	24.4	19.7	29.5

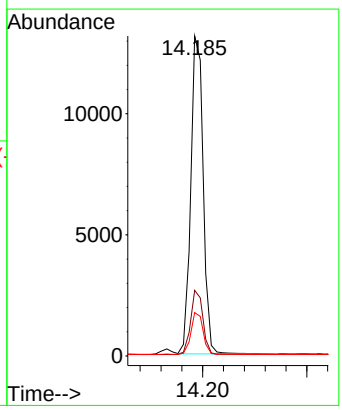


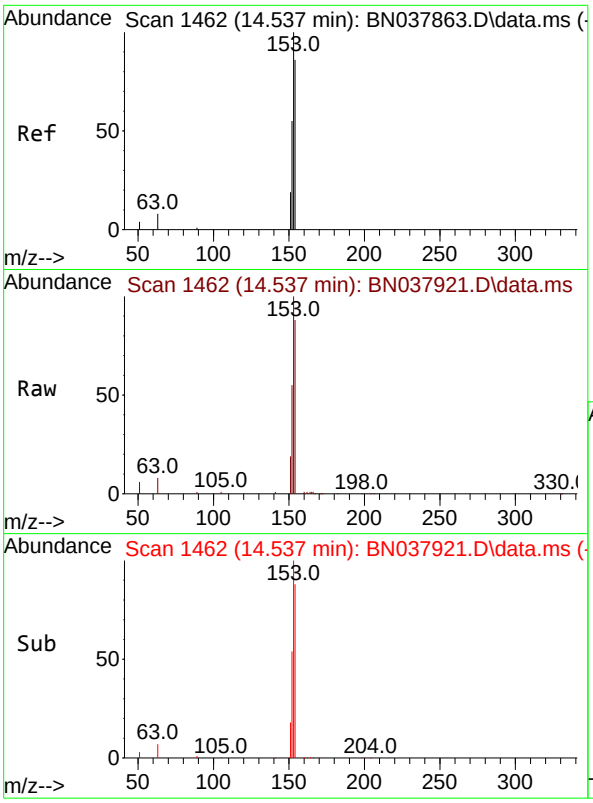


#16
Acenaphthylene
Concen: 0.371 ng
RT: 14.185 min Scan# 1429
Delta R.T. -0.011 min
Lab File: BN037921.D
Acq: 26 Sep 2025 11:21

Tgt Ion:152 Resp: 21671

Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.8	23.8
153	13.1	10.5	15.7



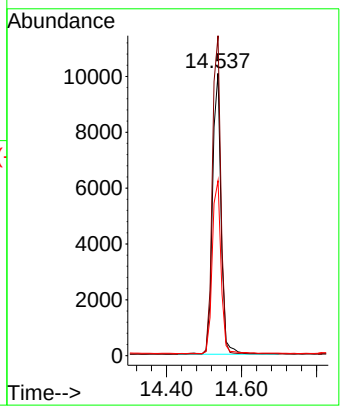


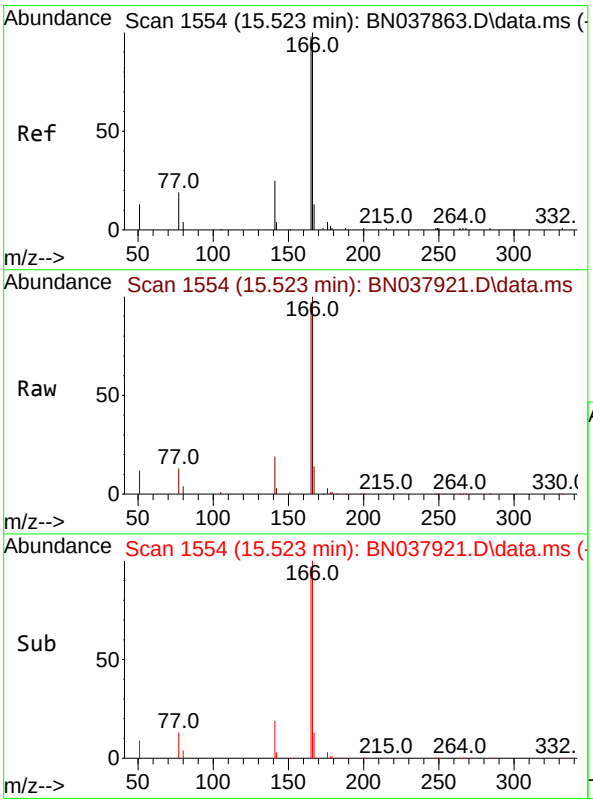
#17
Acenaphthene
Concen: 0.384 ng
RT: 14.537 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037921.D
Acq: 26 Sep 2025 11:21

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:154 Resp: 15982

Ion	Ratio	Lower	Upper
154	100		
153	112.4	90.5	135.7
152	62.7	51.8	77.8

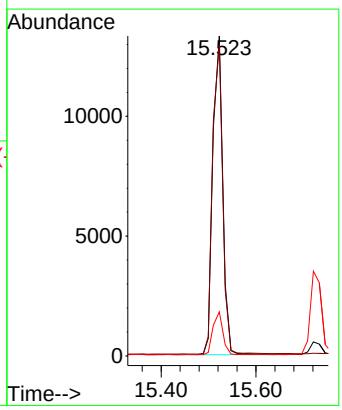


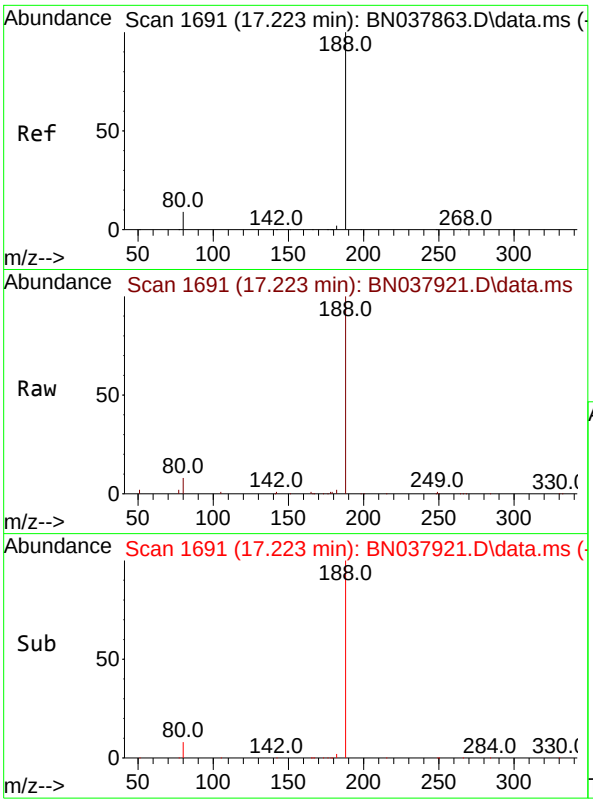


#18
Fluorene
Concen: 0.375 ng
RT: 15.523 min Scan# 1554
Delta R.T. 0.000 min
Lab File: BN037921.D
Acq: 26 Sep 2025 11:21

Tgt Ion:166 Resp: 18884

Ion	Ratio	Lower	Upper
166	100		
165	101.5	79.0	118.4
167	13.7	10.6	16.0



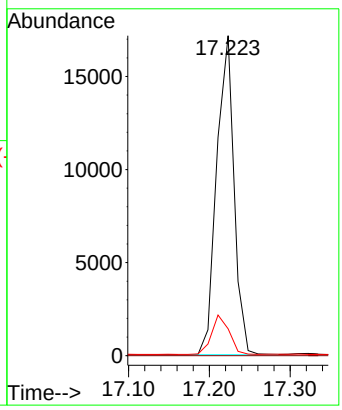


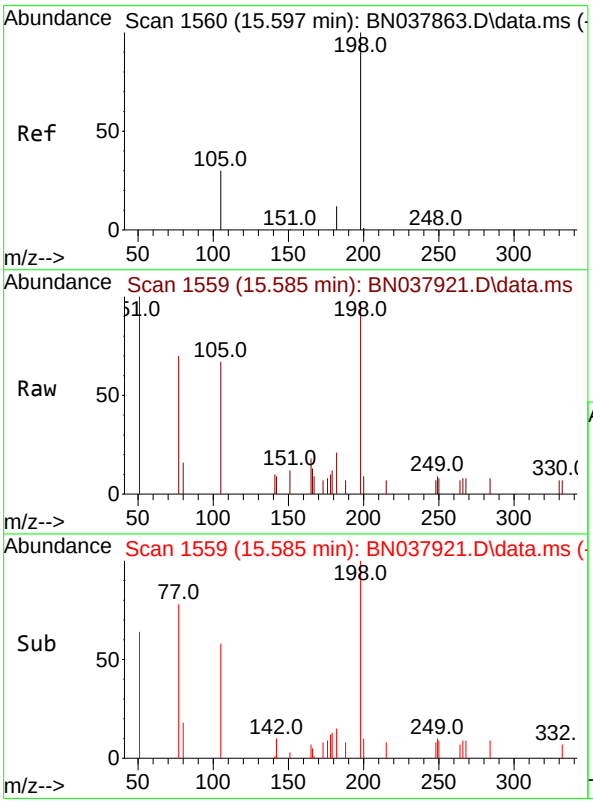
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.223 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037921.D
Acq: 26 Sep 2025 11:21

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:188 Resp: 25670

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.4	7.6	11.4

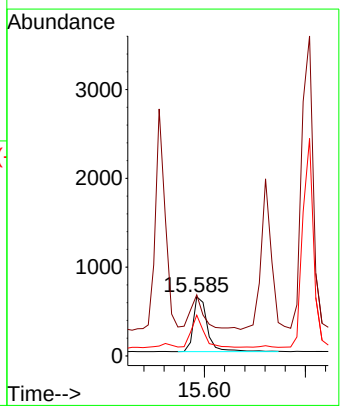


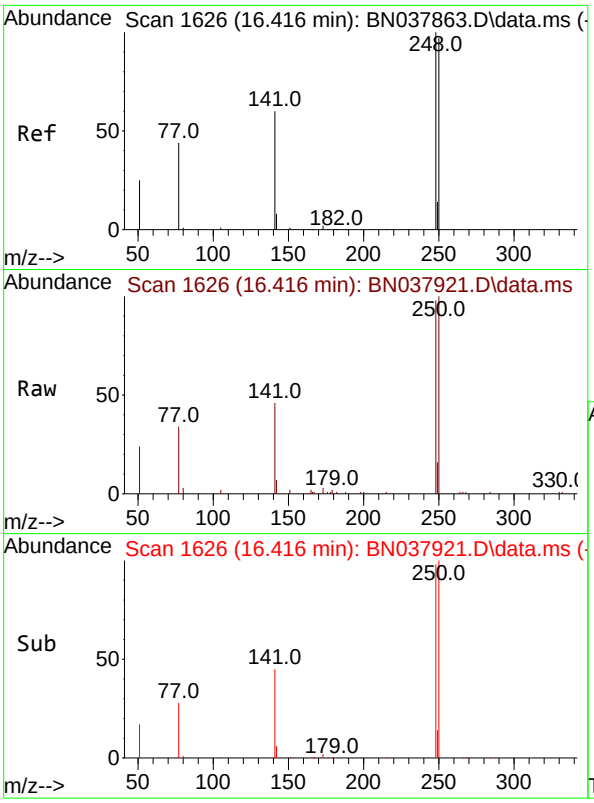


#20
4,6-Dinitro-2-methylphenol
Concen: 0.430 ng
RT: 15.585 min Scan# 1559
Delta R.T. -0.012 min
Lab File: BN037921.D
Acq: 26 Sep 2025 11:21

Tgt Ion:198 Resp: 1205

Ion	Ratio	Lower	Upper
198	100		
51	103.5	59.1	88.7#
105	69.1	41.3	61.9#



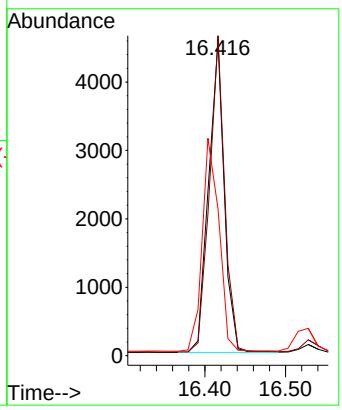


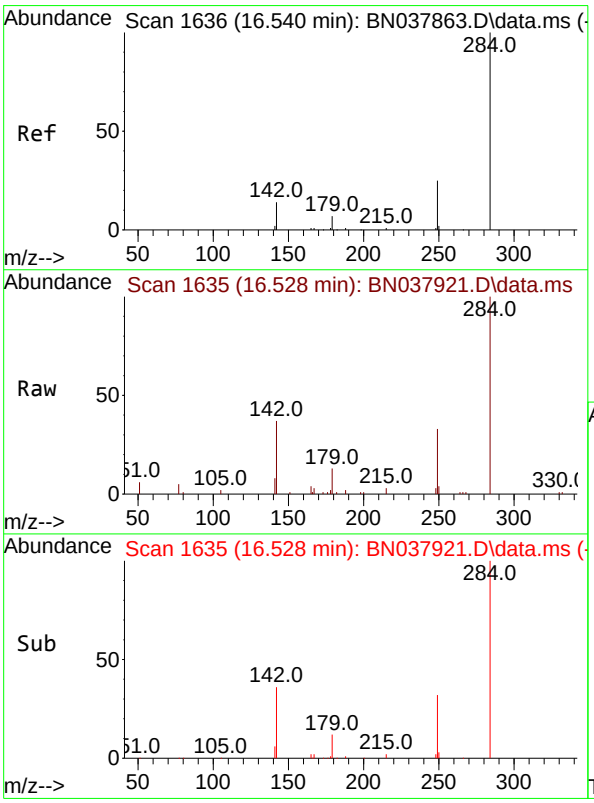
#21
4-Bromophenyl-phenylether
Concen: 0.368 ng
RT: 16.416 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037921.D
Acq: 26 Sep 2025 11:21

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:248 Resp: 6151

Ion	Ratio	Lower	Upper
248	100		
250	101.7	77.6	116.4
141	46.6	48.8	73.2#

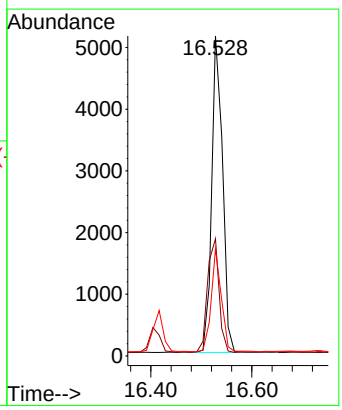


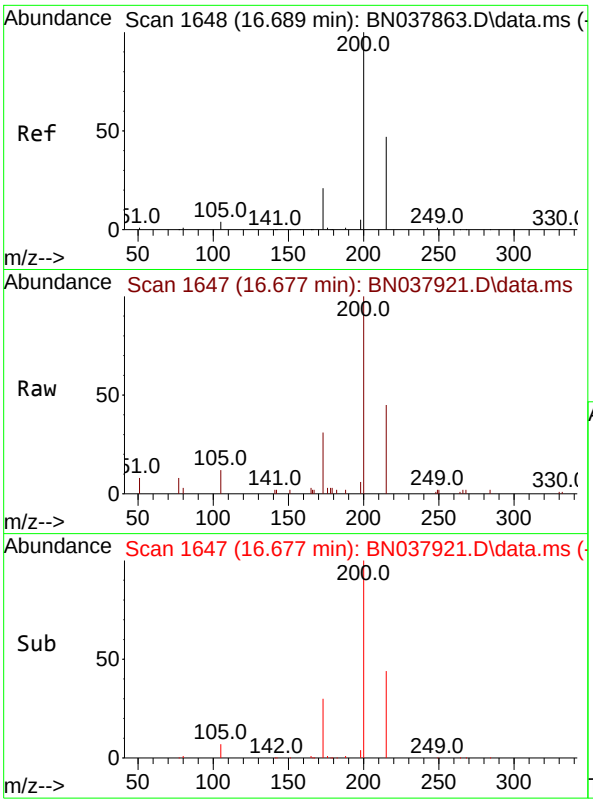


#22
Hexachlorobenzene
Concen: 0.376 ng
RT: 16.528 min Scan# 1635
Delta R.T. -0.012 min
Lab File: BN037921.D
Acq: 26 Sep 2025 11:21

Tgt Ion:284 Resp: 7623

Ion	Ratio	Lower	Upper
284	100		
142	38.5	30.9	46.3
249	30.6	23.9	35.9



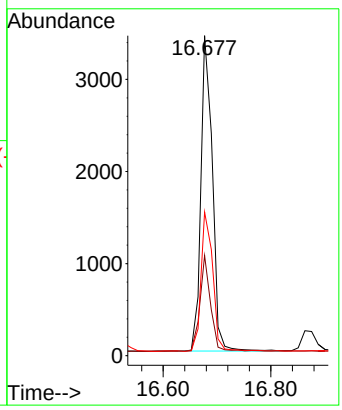


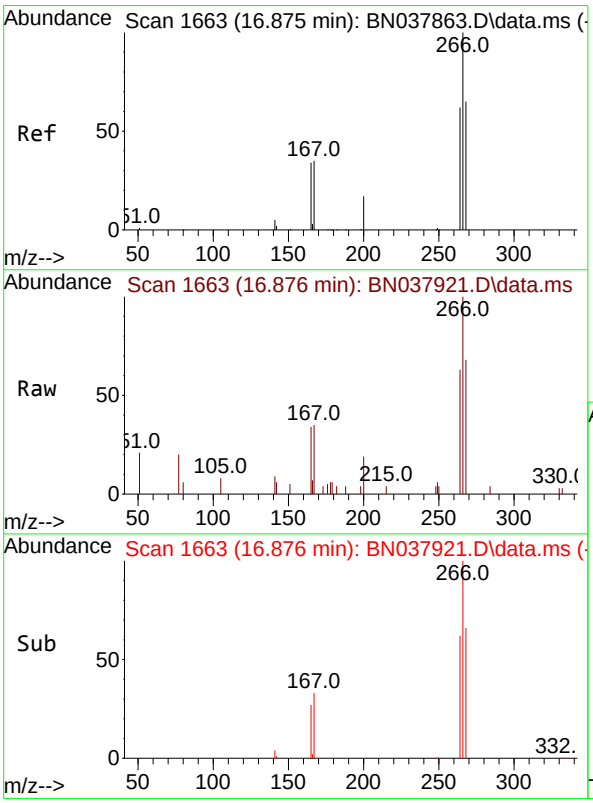
#23
Atrazine
Concen: 0.398 ng
RT: 16.677 min Scan# 1(
Delta R.T. -0.012 min
Lab File: BN037921.D
Acq: 26 Sep 2025 11:21

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:200 Resp: 5073

Ion	Ratio	Lower	Upper
200	100		
173	31.3	18.3	27.5#
215	44.9	38.6	58.0

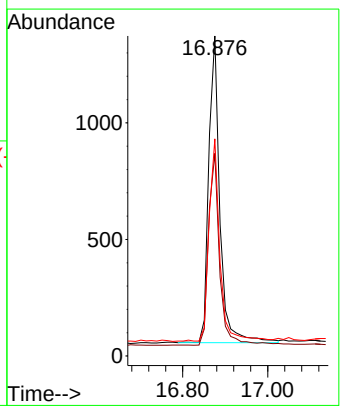


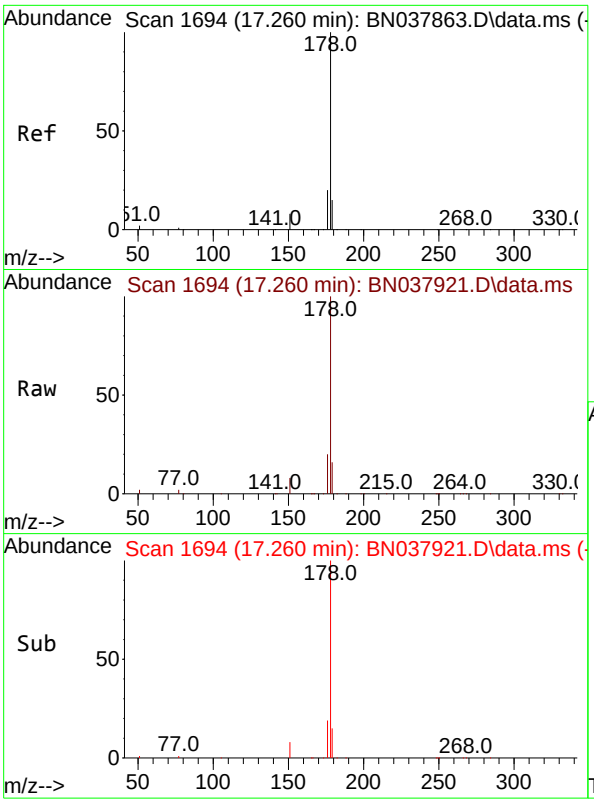


#24
Pentachlorophenol
Concen: 0.343 ng
RT: 16.876 min Scan# 1663
Delta R.T. 0.001 min
Lab File: BN037921.D
Acq: 26 Sep 2025 11:21

Tgt Ion:266 Resp: 2389

Ion	Ratio	Lower	Upper
266	100		
264	62.5	50.9	76.3
268	64.5	54.3	81.5



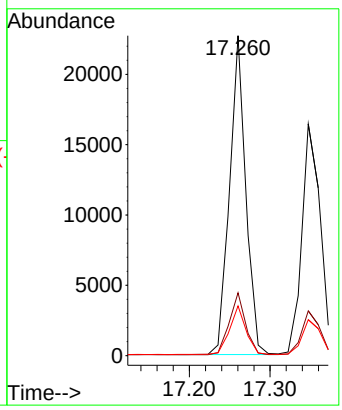


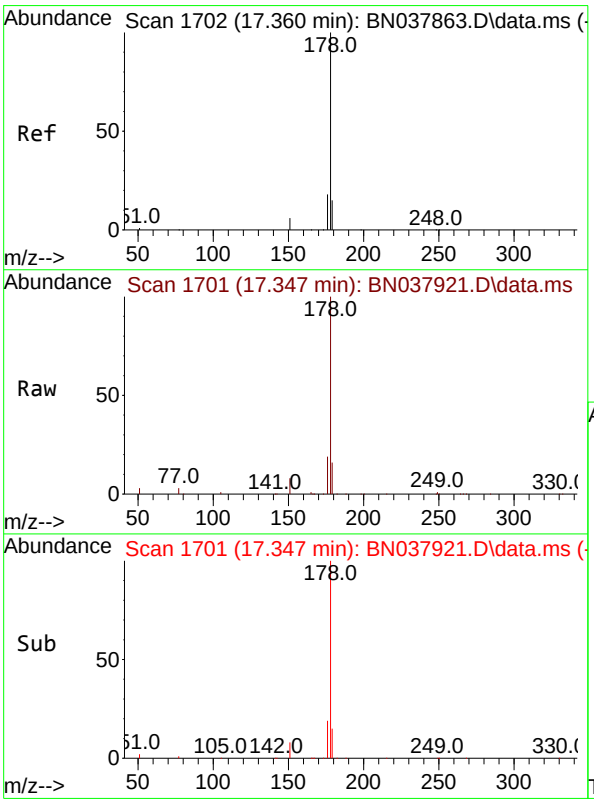
#25
Phenanthrene
Concen: 0.375 ng
RT: 17.260 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037921.D
Acq: 26 Sep 2025 11:21

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:178 Resp: 31643

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.7	23.5
179	15.4	12.3	18.5

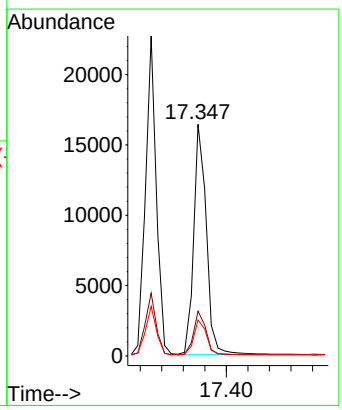


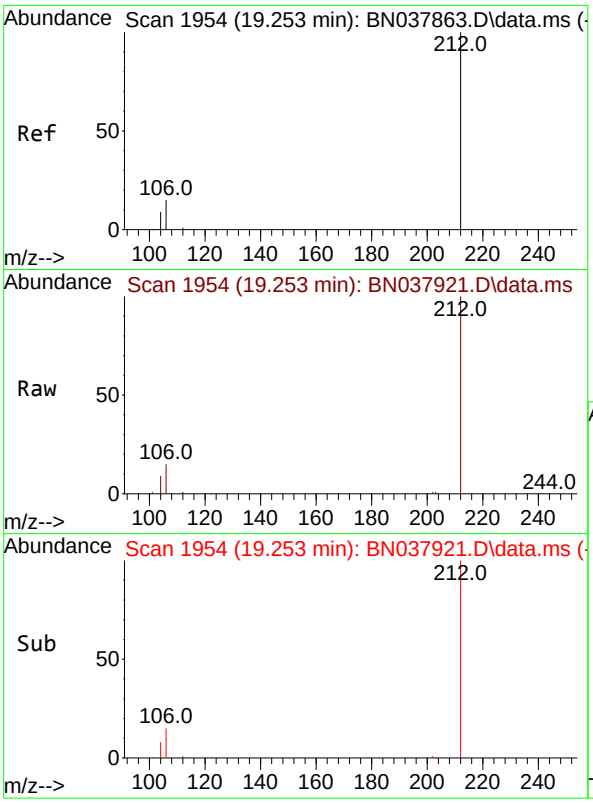


#26
Anthracene
Concen: 0.363 ng
RT: 17.347 min Scan# 1701
Delta R.T. -0.012 min
Lab File: BN037921.D
Acq: 26 Sep 2025 11:21

Tgt Ion:178 Resp: 26606

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.0	22.4
179	15.3	12.3	18.5



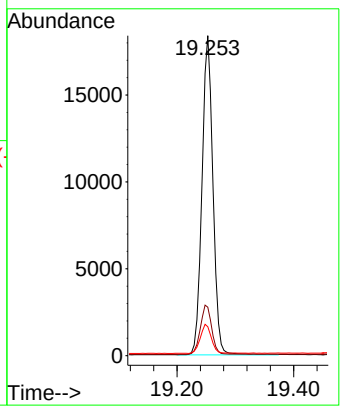


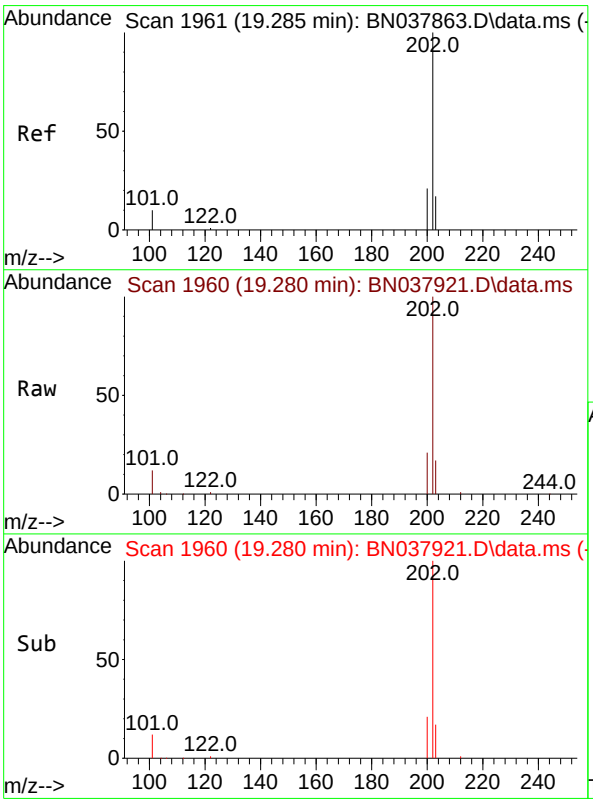
#27
Fluoranthene-d10
Concen: 0.372 ng
RT: 19.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037921.D
Acq: 26 Sep 2025 11:21

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:212 Resp: 24052

Ion	Ratio	Lower	Upper
212	100		
106	15.8	12.6	19.0
104	9.1	7.4	11.0

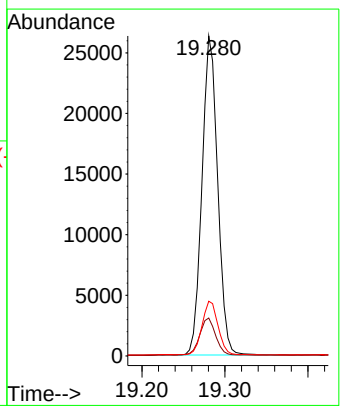


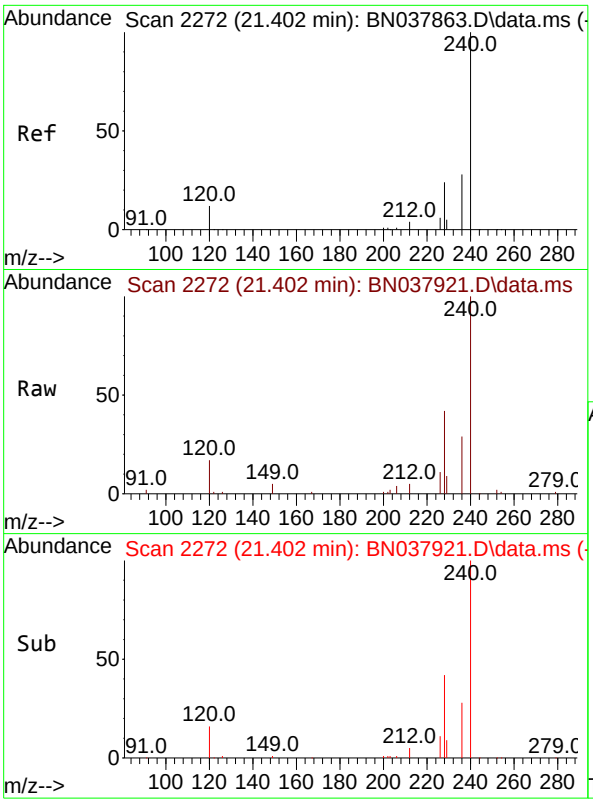


#28
Fluoranthene
Concen: 0.372 ng
RT: 19.280 min Scan# 1960
Delta R.T. -0.005 min
Lab File: BN037921.D
Acq: 26 Sep 2025 11:21

Tgt Ion:202 Resp: 34647

Ion	Ratio	Lower	Upper
202	100		
101	11.8	9.3	13.9
203	17.1	13.6	20.4



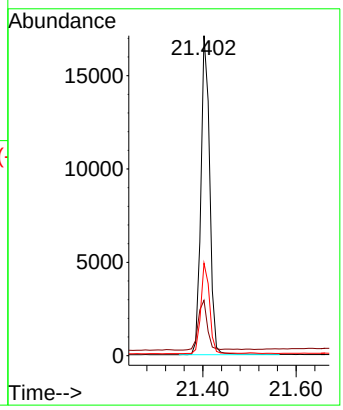


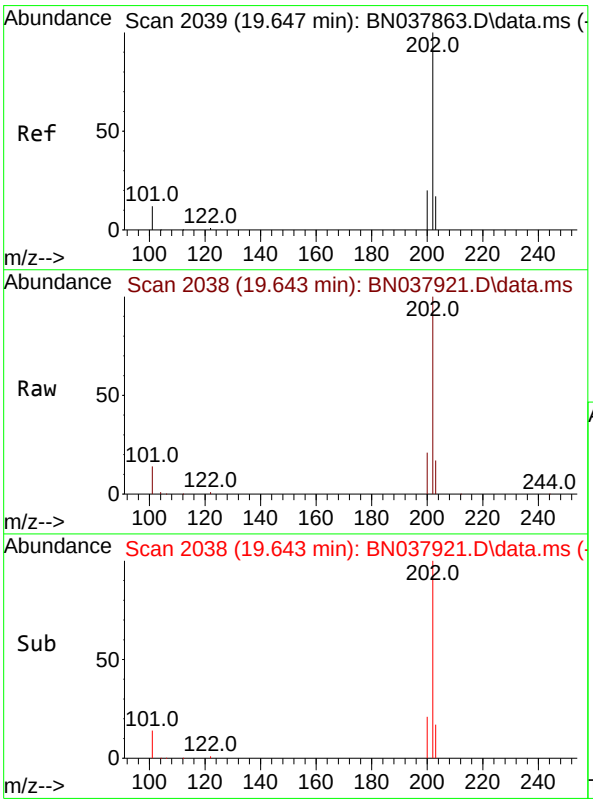
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.402 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037921.D
Acq: 26 Sep 2025 11:21

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:240 Resp: 22527

Ion	Ratio	Lower	Upper
240	100		
120	17.3	11.4	17.2#
236	28.9	23.0	34.6

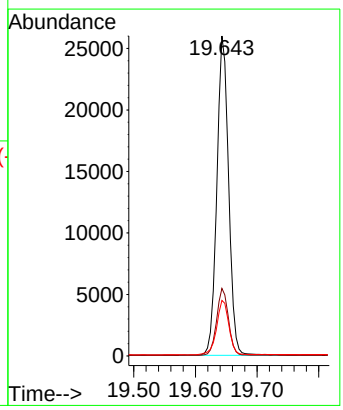


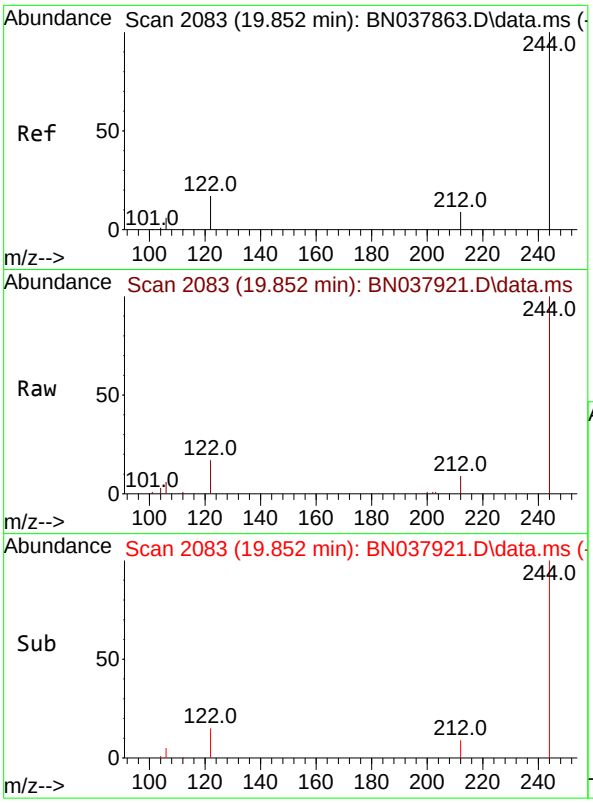


#30
Pyrene
Concen: 0.386 ng
RT: 19.643 min Scan# 2038
Delta R.T. -0.005 min
Lab File: BN037921.D
Acq: 26 Sep 2025 11:21

Tgt Ion:202 Resp: 34352

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.7	25.1
203	17.8	14.2	21.4



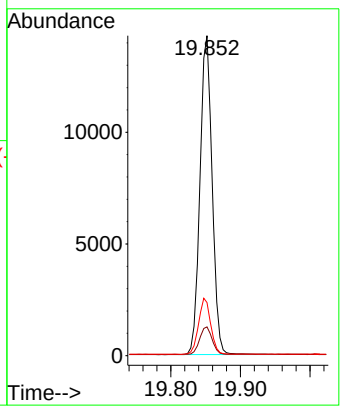


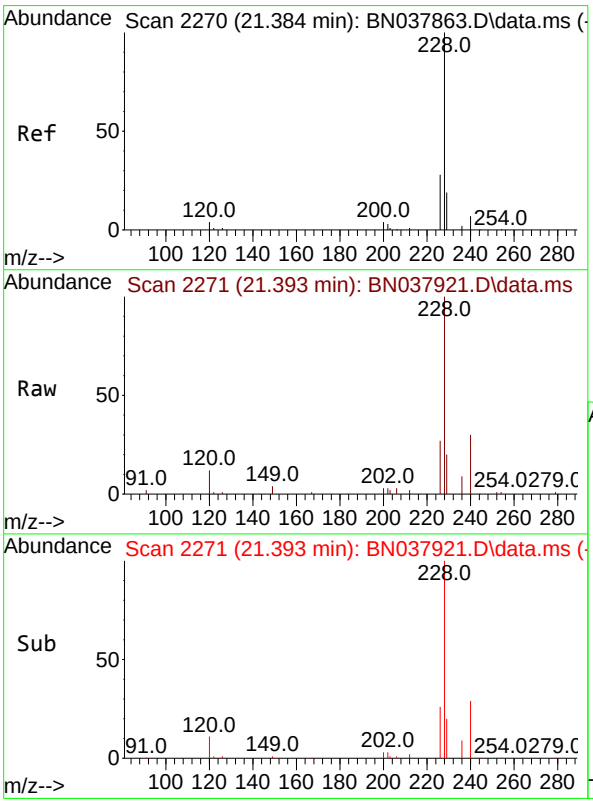
#31
Terphenyl-d14
Concen: 0.387 ng
RT: 19.852 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037921.D
Acq: 26 Sep 2025 11:21

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:244 Resp: 17358

Ion	Ratio	Lower	Upper
244	100		
212	9.0	7.6	11.4
122	16.6	13.9	20.9

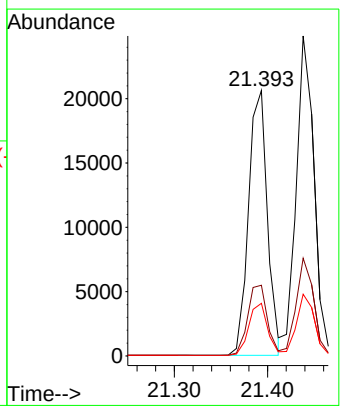


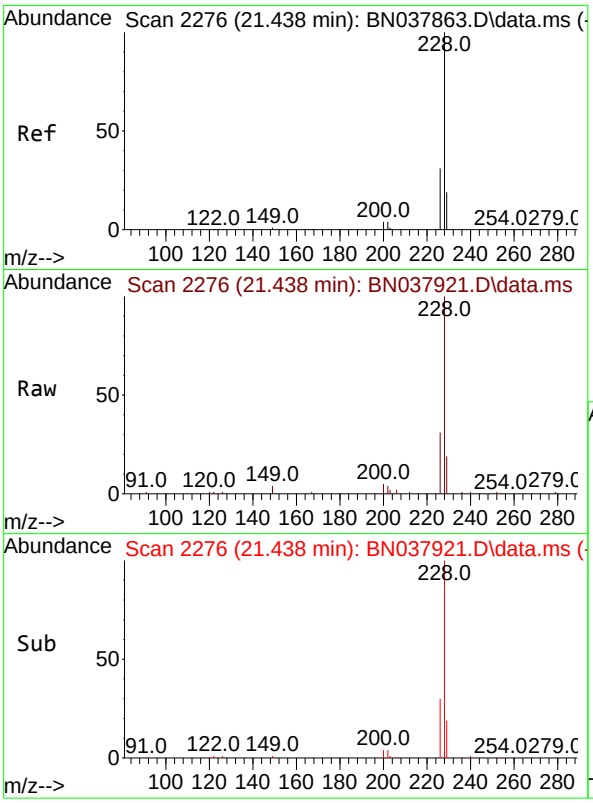


#32
Benzo(a)anthracene
Concen: 0.369 ng
RT: 21.393 min Scan# 2271
Delta R.T. 0.009 min
Lab File: BN037921.D
Acq: 26 Sep 2025 11:21

Tgt Ion:228 Resp: 29018

Ion	Ratio	Lower	Upper
228	100		
226	26.6	22.6	33.8
229	19.8	15.6	23.4



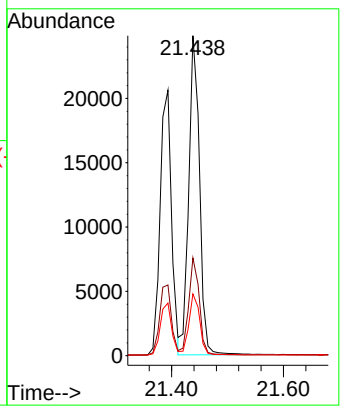


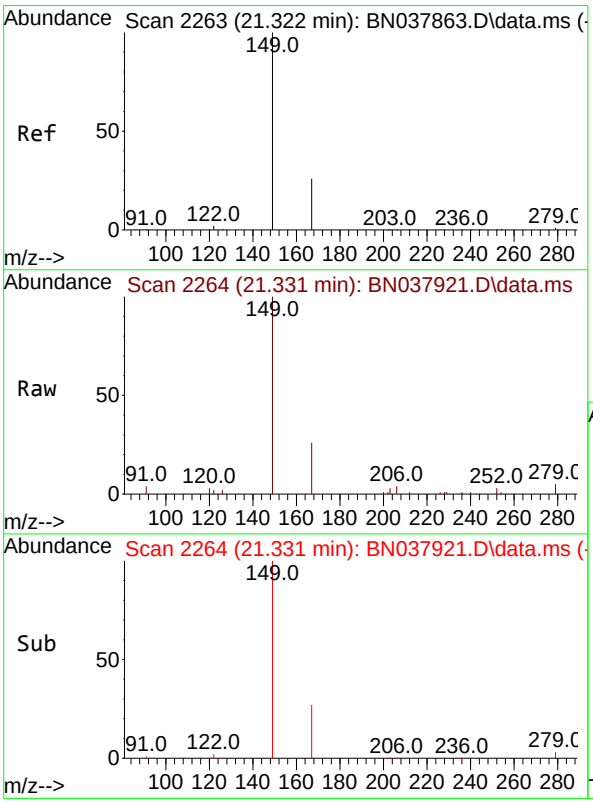
#33
Chrysene
Concen: 0.389 ng
RT: 21.438 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037921.D
Acq: 26 Sep 2025 11:21

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:228 Resp: 33118

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.6	37.0
229	19.3	15.6	23.4

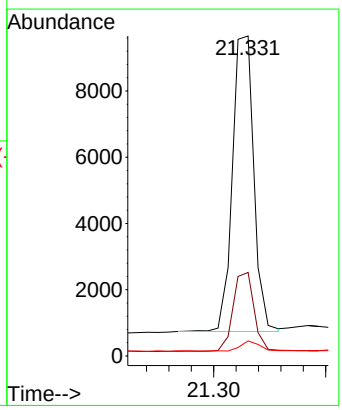


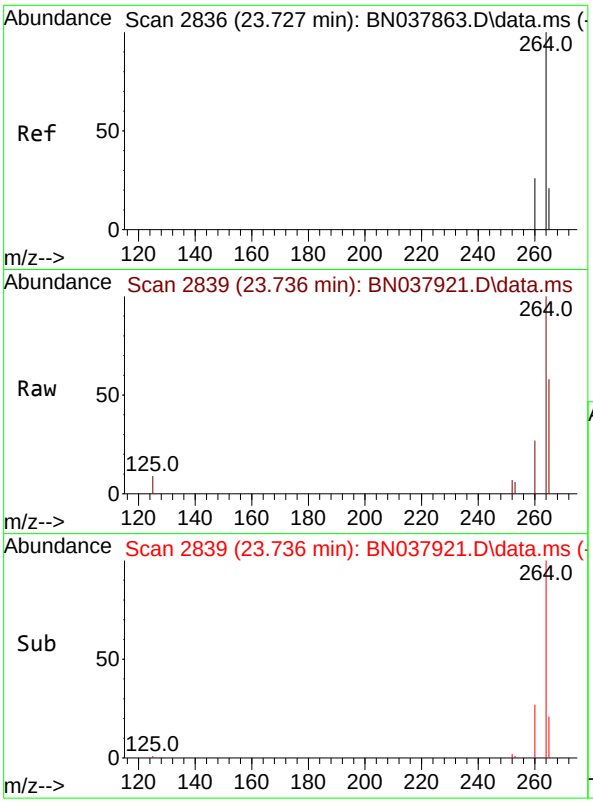


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.380 ng
RT: 21.331 min Scan# 2264
Delta R.T. 0.009 min
Lab File: BN037921.D
Acq: 26 Sep 2025 11:21

Tgt Ion:149 Resp: 11837

Ion	Ratio	Lower	Upper
149	100		
167	26.4	20.4	30.6
279	3.1	2.4	3.6



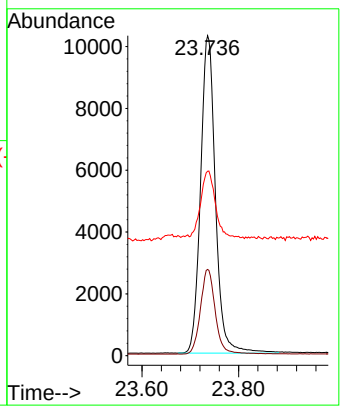


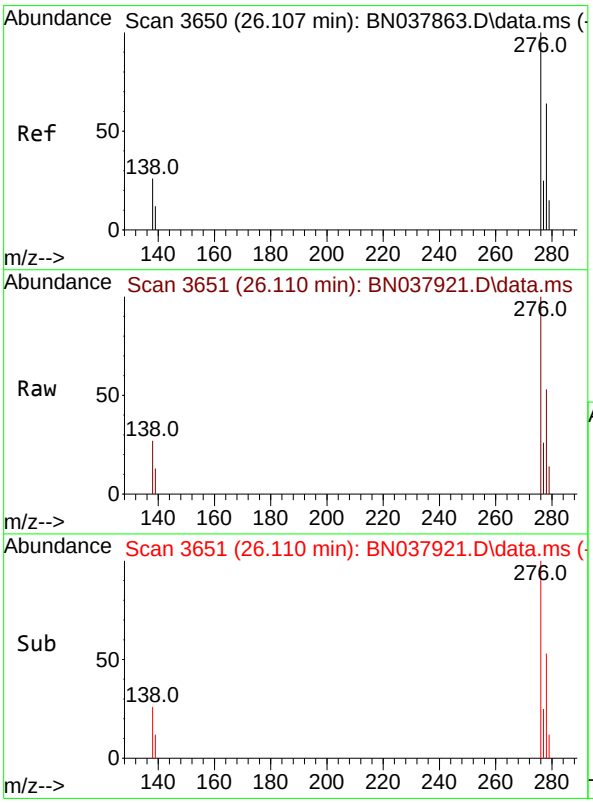
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.736 min Scan# 2
Delta R.T. 0.009 min
Lab File: BN037921.D
Acq: 26 Sep 2025 11:21

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:264 Resp: 21979

Ion	Ratio	Lower	Upper
264	100		
260	26.9	21.5	32.3
265	57.7	53.8	80.6

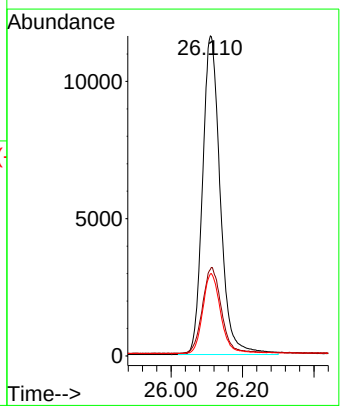


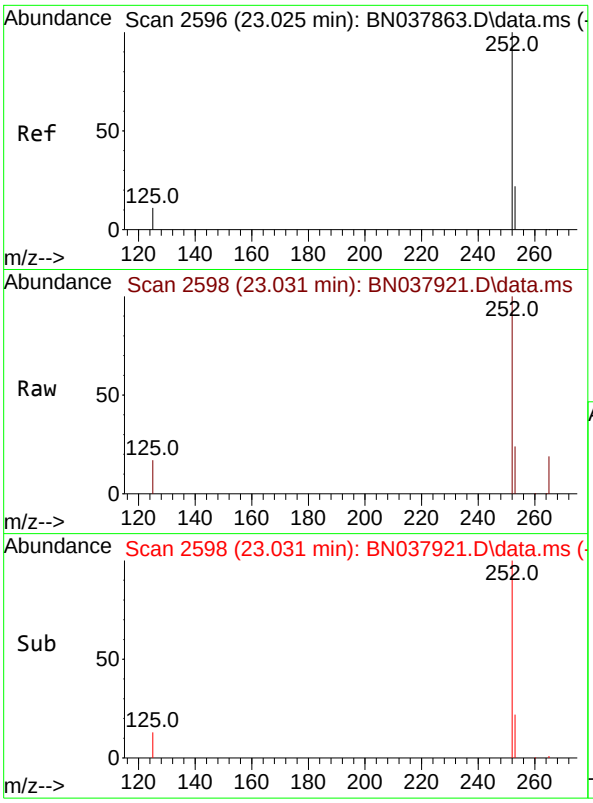


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.398 ng
RT: 26.110 min Scan# 3651
Delta R.T. 0.003 min
Lab File: BN037921.D
Acq: 26 Sep 2025 11:21

Tgt Ion:276 Resp: 39931

Ion	Ratio	Lower	Upper
276	100		
138	28.5	21.4	32.0
277	25.1	20.3	30.5



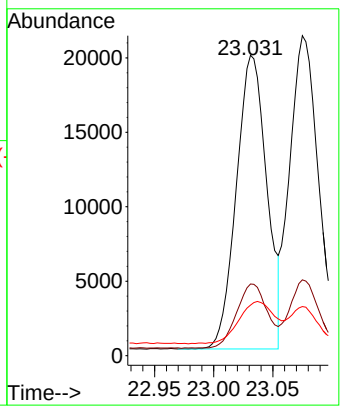


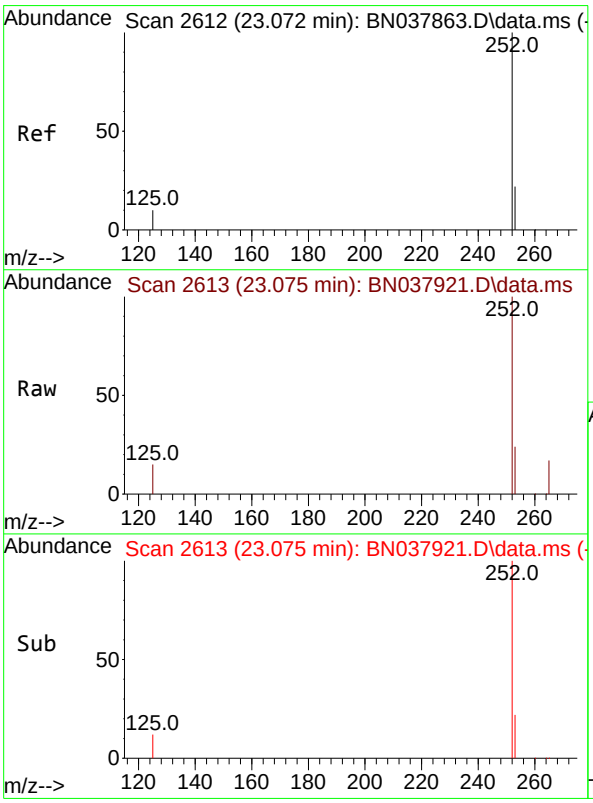
#37
Benzo(b)fluoranthene
Concen: 0.372 ng
RT: 23.031 min Scan# 2
Delta R.T. 0.006 min
Lab File: BN037921.D
Acq: 26 Sep 2025 11:21

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 35289

Ion	Ratio	Lower	Upper
252	100		
253	23.8	19.4	29.0
125	16.8	13.0	19.4

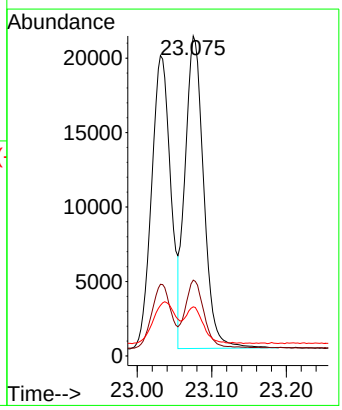


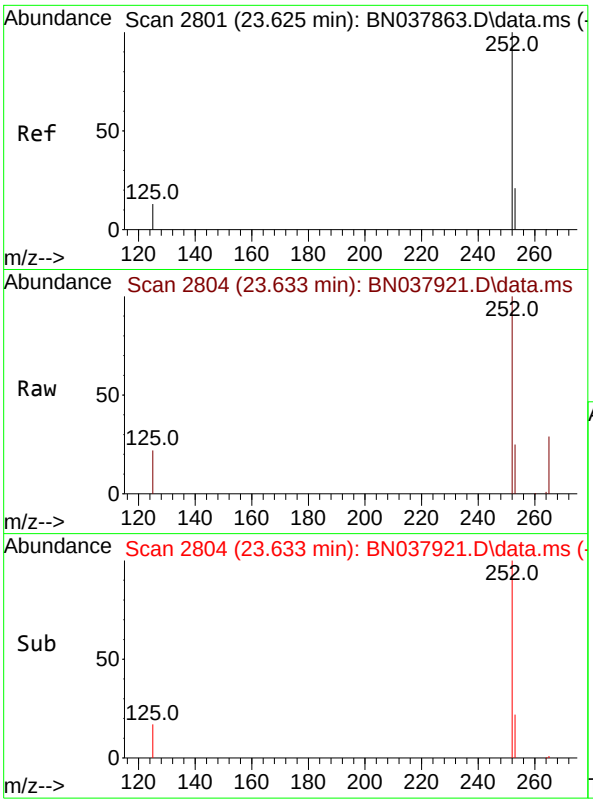


#38
Benzo(k)fluoranthene
Concen: 0.381 ng
RT: 23.075 min Scan# 2613
Delta R.T. 0.003 min
Lab File: BN037921.D
Acq: 26 Sep 2025 11:21

Tgt Ion:252 Resp: 36373

Ion	Ratio	Lower	Upper
252	100		
253	23.7	19.5	29.3
125	15.3	13.0	19.4



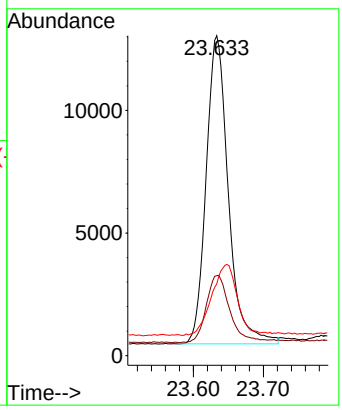


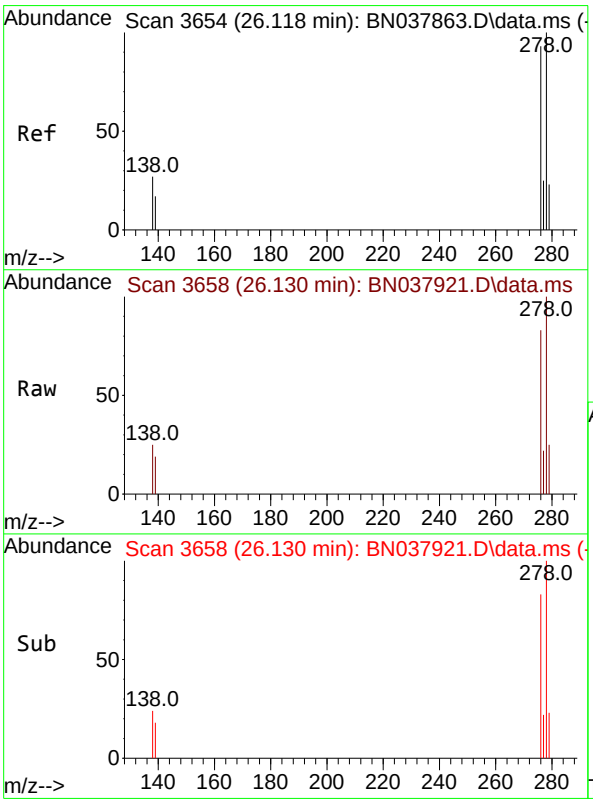
#39
Benzo(a)pyrene
Concen: 0.370 ng
RT: 23.633 min Scan# 2
Delta R.T. 0.009 min
Lab File: BN037921.D
Acq: 26 Sep 2025 11:21

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 27713

Ion	Ratio	Lower	Upper
252	100		
253	25.0	20.6	30.8
125	22.4	16.7	25.1

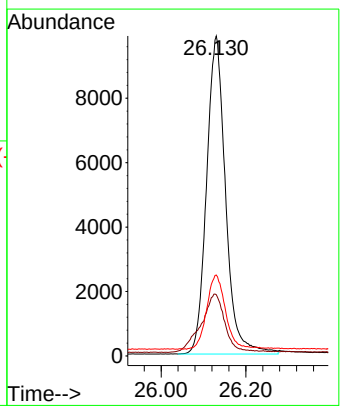


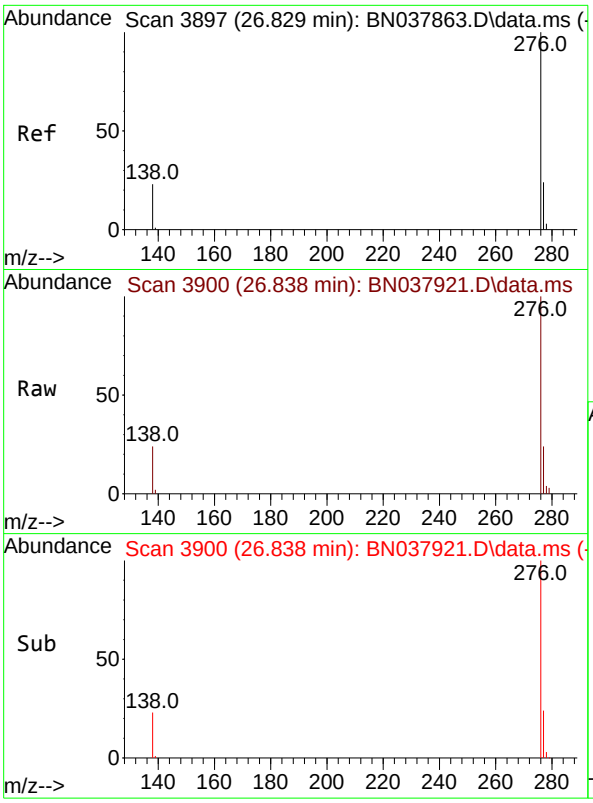


#40
Dibenzo(a,h)anthracene
Concen: 0.393 ng
RT: 26.130 min Scan# 3658
Delta R.T. 0.012 min
Lab File: BN037921.D
Acq: 26 Sep 2025 11:21

Tgt Ion:278 Resp: 30785

Ion	Ratio	Lower	Upper
278	100		
139	19.2	15.4	23.2
279	25.3	20.8	31.2



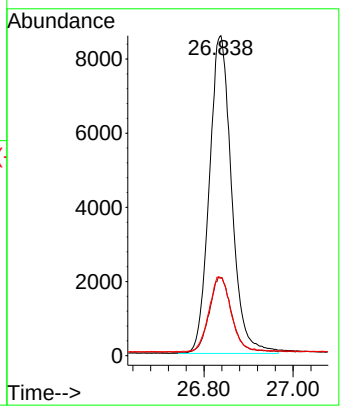


#41
Benzo(g,h,i)perylene
Concen: 0.362 ng
RT: 26.838 min Scan# 3
Delta R.T. 0.009 min
Lab File: BN037921.D
Acq: 26 Sep 2025 11:21

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 29818

Ion	Ratio	Lower	Upper
276	100		
277	24.5	20.2	30.4
138	24.1	19.8	29.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092525\
Data File : BN037921.D
Acq On : 26 Sep 2025 11:21
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Quant Time: Sep 26 11:47:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 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	142	0.00
2		1,4-Dioxane	0.406	0.404	0.5	140	0.00
3		n-Nitrosodimethylamine	0.540	0.507	6.1	139	0.00
4	S	2-Fluorophenol	0.913	0.977	-7.0	162#	0.00
5	S	Phenol-d6	1.199	1.303	-8.7	165#	0.00
6		bis(2-Chloroethyl)ether	1.113	1.160	-4.2	152#	0.00
7	I	Naphthalene-d8	1.000	1.000	0.0	148	-0.01
8	S	Nitrobenzene-d5	0.305	0.311	-2.0	160#	0.00
9		Naphthalene	1.102	1.107	-0.5	157#	0.00
10		Hexachlorobutadiene	0.188	0.187	0.5	152#	-0.01
11	SURR	2-Methylnaphthalene-d10	0.556	0.528	5.0	157#	0.00
12		2-Methylnaphthalene	0.720	0.705	2.1	157#	0.00
13	I	Acenaphthene-d10	1.000	1.000	0.0	156#	0.00
14	S	2,4,6-Tribromophenol	0.152	0.151	0.7	174#	-0.01
15	S	2-Fluorobiphenyl	1.638	1.604	2.1	160#	0.00
16		Acenaphthylene	1.816	1.684	7.3	158#	-0.01
17		Acenaphthene	1.294	1.242	4.0	162#	0.00
18		Fluorene	1.565	1.468	6.2	158#	0.00
19	I	Phenanthrene-d10	1.000	1.000	0.0	161#	0.00
20		4,6-Dinitro-2-methylphenol	0.057	0.047	17.5	173#	-0.01
21		4-Bromophenyl-phenylether	0.261	0.240	8.0	158#	0.00
22		Hexachlorobenzene	0.316	0.297	6.0	157#	-0.01
23		Atrazine	0.199	0.198	0.5	185#	-0.01
24		Pentachlorophenol	0.108	0.093	13.9	163#	0.00
25		Phenanthrene	1.316	1.233	6.3	161#	0.00
26		Anthracene	1.142	1.036	9.3	163#	-0.01
27	SURR	Fluoranthene-d10	1.006	0.937	6.9	170#	0.00
28		Fluoranthene	1.450	1.350	6.9	166#	0.00
29	I	Chrysene-d12	1.000	1.000	0.0	166#	0.00
30		Pyrene	1.579	1.525	3.4	166#	0.00
31	S	Terphenyl-d14	0.797	0.771	3.3	170#	0.00
32		Benzo(a)anthracene	1.398	1.288	7.9	165#	0.00
33		Chrysene	1.512	1.470	2.8	167#	0.00
34		Bis(2-ethylhexyl)phthalate	0.553	0.525	5.1	179#	0.00
35	I	Perylene-d12	1.000	1.000	0.0	175#	0.00
36		Indeno(1,2,3-cd)pyrene	1.828	1.817	0.6	191#	0.00
37		Benzo(b)fluoranthene	1.725	1.606	6.9	171#	0.00
38		Benzo(k)fluoranthene	1.736	1.655	4.7	181#	0.00
39	C	Benzo(a)pyrene	1.364	1.261	7.6	179#	0.00
40		Dibenzo(a,h)anthracene	1.427	1.401	1.8	188#	0.01
41		Benzo(g,h,i)perylene	1.499	1.357	9.5	169#	0.00

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092525\
Data File : BN037921.D
Acq On : 26 Sep 2025 11:21
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Quant Time: Sep 26 11:47:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 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	142	0.00
2		1,4-Dioxane	0.400	0.398	0.5	140	0.00
3		n-Nitrosodimethylamine	0.400	0.375	6.3	139	0.00
4	S	2-Fluorophenol	0.400	0.428	-7.0	162	0.00
5	S	Phenol-d6	0.400	0.434	-8.5	165	0.00
6		bis(2-Chloroethyl)ether	0.400	0.417	-4.2	152	0.00
7	I	Naphthalene-d8	0.400	0.400	0.0	148	-0.01
8	S	Nitrobenzene-d5	0.400	0.408	-2.0	160	0.00
9		Naphthalene	0.400	0.402	-0.5	157	0.00
10		Hexachlorobutadiene	0.400	0.398	0.5	152	-0.01
11	SURR	2-Methylnaphthalene-d10	0.400	0.380	5.0	157	0.00
12		2-Methylnaphthalene	0.400	0.392	2.0	157	0.00
13	I	Acenaphthene-d10	0.400	0.400	0.0	156	0.00
14	S	2,4,6-Tribromophenol	0.400	0.398	0.5	174	-0.01
15	S	2-Fluorobiphenyl	0.400	0.392	2.0	160	0.00
16		Acenaphthylene	0.400	0.371	7.3	158	-0.01
17		Acenaphthene	0.400	0.384	4.0	162	0.00
18		Fluorene	0.400	0.375	6.3	158	0.00
19	I	Phenanthrene-d10	0.400	0.400	0.0	161	0.00
20		4,6-Dinitro-2-methylphenol	0.400	0.430	-7.5	173	-0.01
21		4-Bromophenyl-phenylether	0.400	0.368	8.0	158	0.00
22		Hexachlorobenzene	0.400	0.376	6.0	157	-0.01
23		Atrazine	0.400	0.398	0.5	185	-0.01
24		Pentachlorophenol	0.400	0.343	14.2	163	0.00
25		Phenanthrene	0.400	0.375	6.3	161	0.00
26		Anthracene	0.400	0.363	9.3	163	-0.01
27	SURR	Fluoranthene-d10	0.400	0.372	7.0	170	0.00
28		Fluoranthene	0.400	0.372	7.0	166	0.00
29	I	Chrysene-d12	0.400	0.400	0.0	166	0.00
30		Pyrene	0.400	0.386	3.5	166	0.00
31	S	Terphenyl-d14	0.400	0.387	3.3	170	0.00
32		Benzo(a)anthracene	0.400	0.369	7.8	165	0.00
33		Chrysene	0.400	0.389	2.8	167	0.00
34		Bis(2-ethylhexyl)phthalate	0.400	0.380	5.0	179	0.00
35	I	Perylene-d12	0.400	0.400	0.0	175	0.00
36		Indeno(1,2,3-cd)pyrene	0.400	0.398	0.5	191	0.00
37		Benzo(b)fluoranthene	0.400	0.372	7.0	171	0.00
38		Benzo(k)fluoranthene	0.400	0.381	4.8	181	0.00
39	C	Benzo(a)pyrene	0.400	0.370	7.5	179	0.00
40		Dibenzo(a,h)anthracene	0.400	0.393	1.8	188	0.01
41		Benzo(g,h,i)perylene	0.400	0.362	9.5	169	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.: Q3156

Instrument ID: BNA_N Calibration Date/Time: 09/29/2025 11:30

Lab File ID: BN037931.D Init. Calib. Date(s): 09/23/2025 09/23/2025

EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 12:13 15:51

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.556	0.515		-7.4	20.0
Fluoranthene-d10	1.006	0.853		-15.2	20.0
2-Fluorophenol	0.913	0.894		-2.1	20.0
Phenol-d6	1.199	1.159		-3.3	20.0
Nitrobenzene-d5	0.305	0.277		-9.2	20.0
2-Fluorobiphenyl	1.638	1.554		-5.1	20.0
2,4,6-Tribromophenol	0.152	0.134		-11.8	20.0
Terphenyl-d14	0.797	0.840		5.4	20.0
1,4-Dioxane	0.406	0.433		6.7	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\BN092925\
Data File : BN037931.D
Acq On : 29 Sep 2025 11:30
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Sep 29 11:59:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration

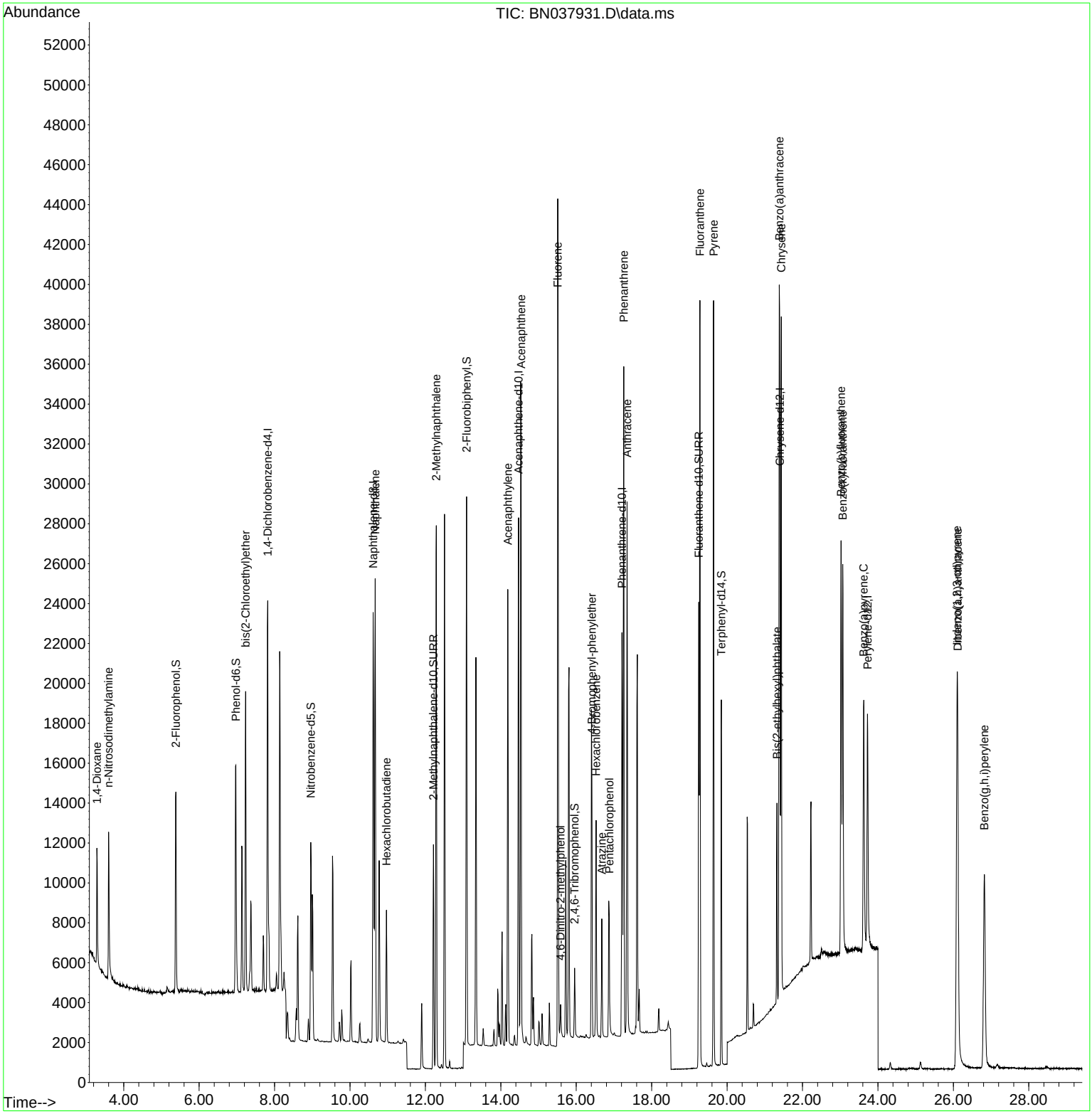
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.818	152	9694	0.400	ng		0.00
7) Naphthalene-d8	10.616	136	28657	0.400	ng		#-0.01
13) Acenaphthene-d10	14.473	164	15093	0.400	ng		0.00
19) Phenanthrene-d10	17.211	188	28466	0.400	ng		#-0.01
29) Chrysene-d12	21.402	240	20163	0.400	ng		# 0.00
35) Perylene-d12	23.724	264	15946	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.384	112	8663	0.392	ng		0.00
5) Phenol-d6	6.973	99	11235	0.387	ng		0.00
8) Nitrobenzene-d5	8.961	82	7937	0.363	ng		-0.01
11) 2-Methylnaphthalene-d10	12.212	152	14772	0.371	ng		0.00
14) 2,4,6-Tribromophenol	15.957	330	2024	0.354	ng		-0.01
15) 2-Fluorobiphenyl	13.094	172	23458	0.380	ng		0.00
27) Fluoranthene-d10	19.248	212	24269	0.339	ng		0.00
31) Terphenyl-d14	19.847	244	16933	0.422	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.290	88	4199	0.427	ng		94
3) n-Nitrosodimethylamine	3.600	42	4462	0.341	ng	#	86
6) bis(2-Chloroethyl)ether	7.233	93	10399	0.385	ng		100
9) Naphthalene	10.669	128	30106	0.381	ng		99
10) Hexachlorobutadiene	10.968	225	5108	0.379	ng	#	99
12) 2-Methylnaphthalene	12.288	142	19182	0.372	ng		99
16) Acenaphthylene	14.184	152	25195	0.368	ng		99
17) Acenaphthene	14.537	154	17735	0.363	ng		99
18) Fluorene	15.510	166	20552	0.348	ng		99
20) 4,6-Dinitro-2-methylph...	15.585	198	1125	0.375	ng	#	70
21) 4-Bromophenyl-phenylether	16.416	248	6933	0.374	ng	#	83
22) Hexachlorobenzene	16.528	284	8410	0.374	ng		98
23) Atrazine	16.677	200	4378	0.310	ng	#	94
24) Pentachlorophenol	16.875	266	3882	0.503	ng		97
25) Phenanthrene	17.260	178	34214	0.365	ng		100
26) Anthracene	17.347	178	28614	0.352	ng		100
28) Fluoranthene	19.280	202	35180	0.341	ng		100
30) Pyrene	19.643	202	34613	0.435	ng		100
32) Benzo(a)anthracene	21.384	228	26386	0.374	ng		99
33) Chrysene	21.438	228	29326	0.385	ng		99
34) Bis(2-ethylhexyl)phtha...	21.322	149	8884	0.319	ng		100
36) Indeno(1,2,3-cd)pyrene	26.098	276	26409	0.362	ng		99
37) Benzo(b)fluoranthene	23.022	252	26939	0.392	ng		98
38) Benzo(k)fluoranthene	23.069	252	26600	0.384	ng		98
39) Benzo(a)pyrene	23.622	252	20657	0.380	ng		97
40) Dibenzo(a,h)anthracene	26.113	278	20582	0.362	ng		99
41) Benzo(g,h,i)perylene	26.823	276	21987	0.368	ng		99

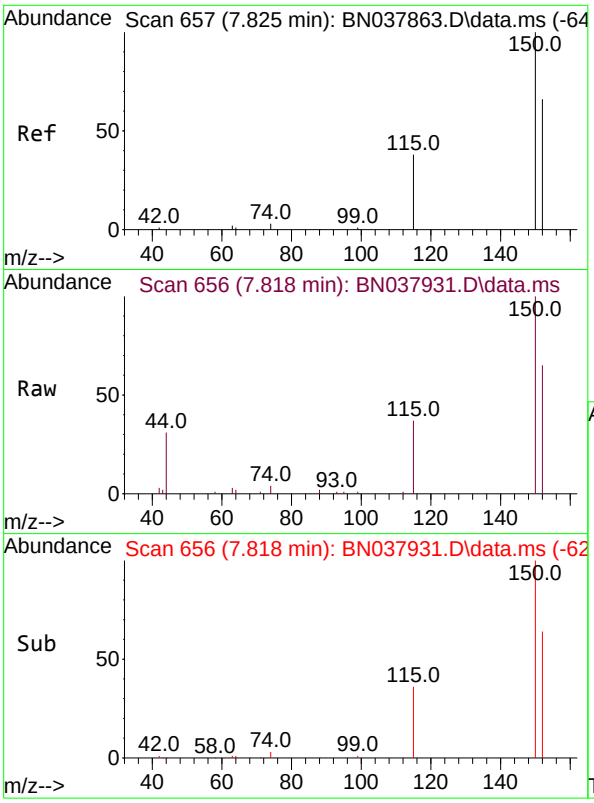
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092925\
Data File : BN037931.D
Acq On : 29 Sep 2025 11:30
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Sep 29 11:59:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration



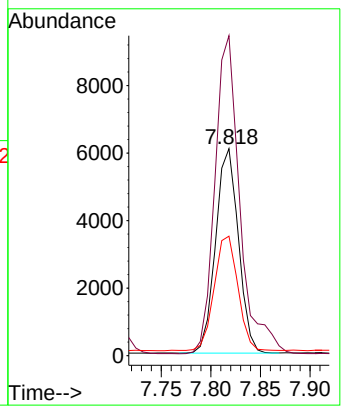


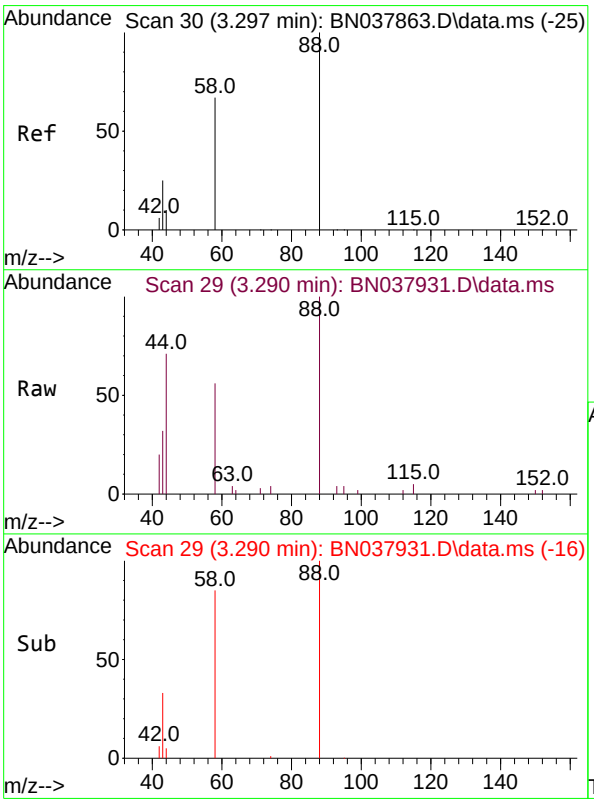
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.818 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN037931.D
Acq: 29 Sep 2025 11:30

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 9694

Ion	Ratio	Lower	Upper
152	100		
150	154.6	121.0	181.4
115	57.7	47.4	71.0

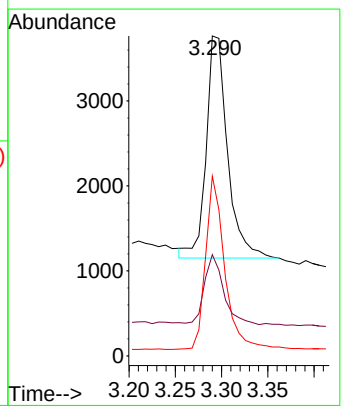


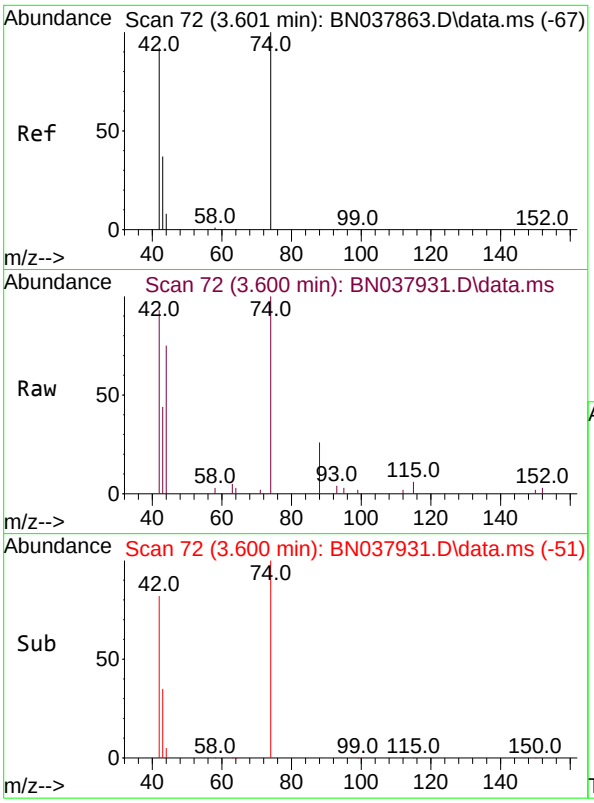


#2
1,4-Dioxane
Concen: 0.427 ng
RT: 3.290 min Scan# 29
Delta R.T. -0.007 min
Lab File: BN037931.D
Acq: 29 Sep 2025 11:30

Tgt Ion: 88 Resp: 4199

Ion	Ratio	Lower	Upper
88	100		
43	28.0	26.6	39.8
58	69.5	58.9	88.3



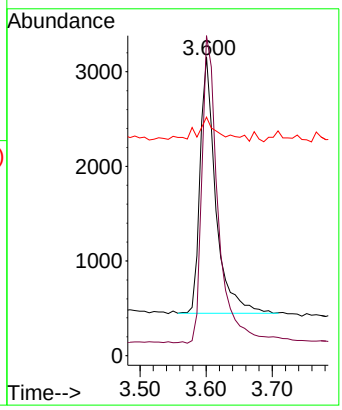


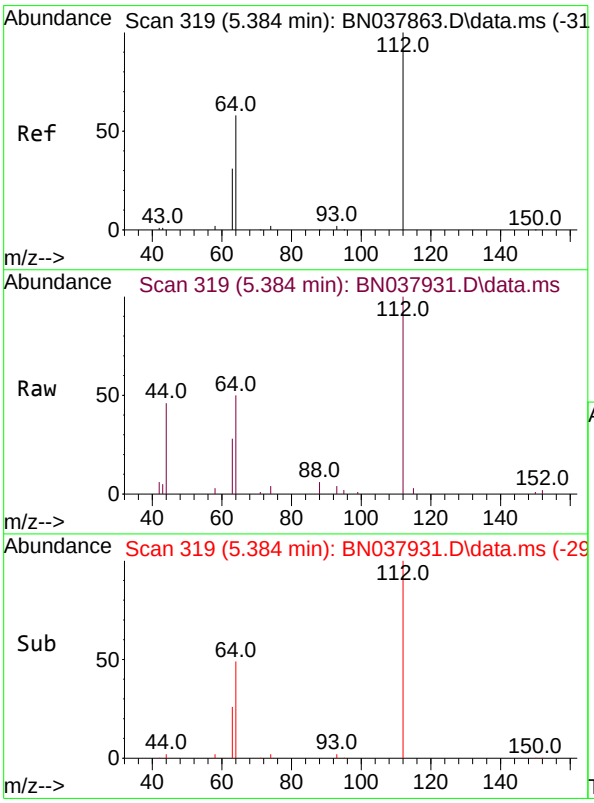
#3
n-Nitrosodimethylamine
Concen: 0.341 ng
RT: 3.600 min Scan# 7
Delta R.T. -0.000 min
Lab File: BN037931.D
Acq: 29 Sep 2025 11:30

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 4462

Ion	Ratio	Lower	Upper
42	100		
74	125.1	93.4	140.0
44	7.8	22.2	33.4#

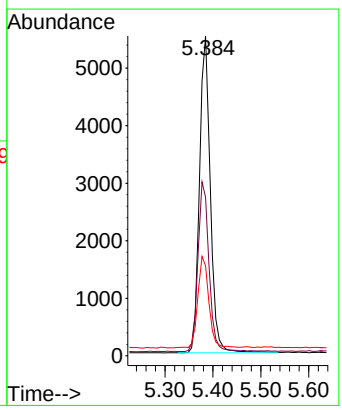


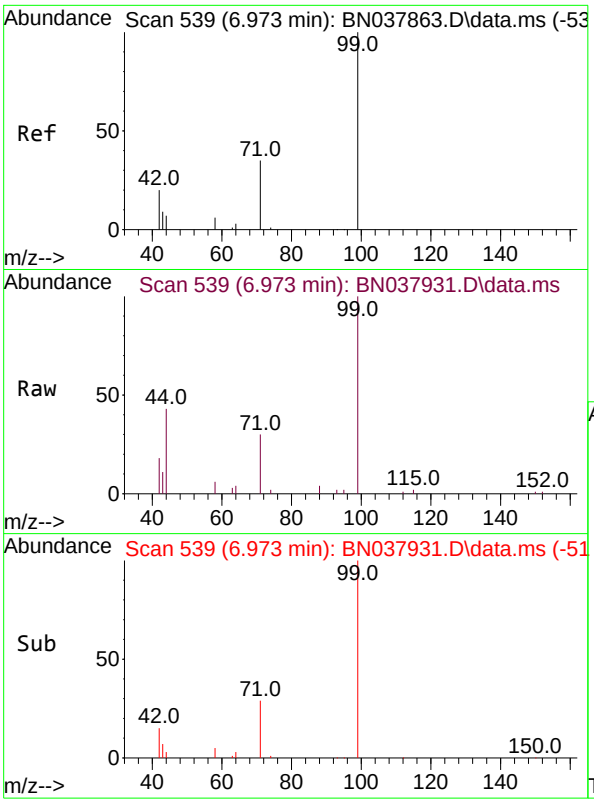


#4
2-Fluorophenol
Concen: 0.392 ng
RT: 5.384 min Scan# 319
Delta R.T. -0.000 min
Lab File: BN037931.D
Acq: 29 Sep 2025 11:30

Tgt Ion:112 Resp: 8663

Ion	Ratio	Lower	Upper
112	100		
64	54.6	44.6	66.8
63	29.2	24.9	37.3



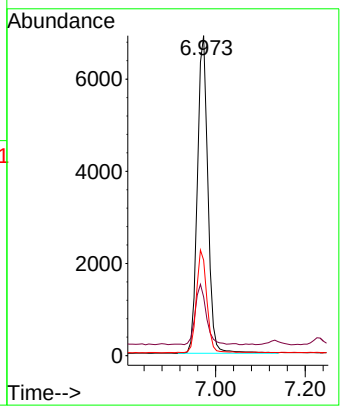


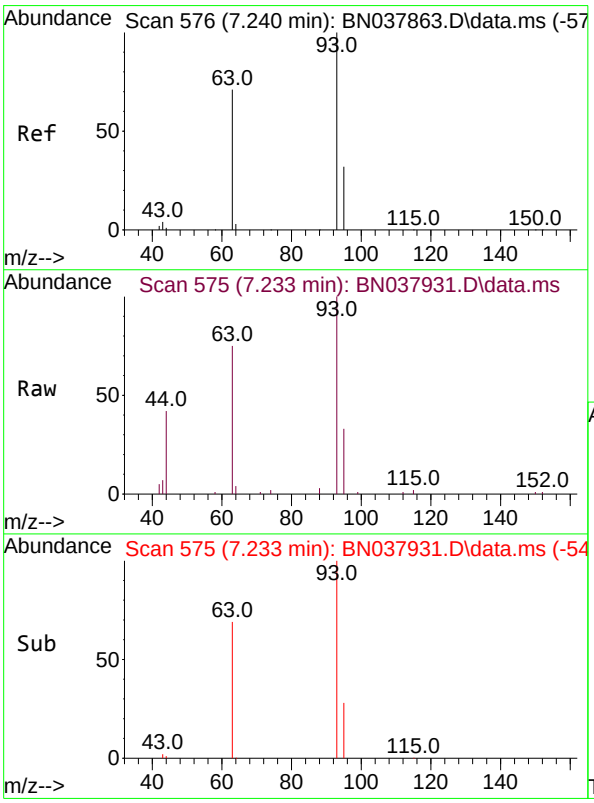
#5
Phenol-d6
Concen: 0.387 ng
RT: 6.973 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN037931.D
Acq: 29 Sep 2025 11:30

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 11235

Ion	Ratio	Lower	Upper
99	100		
42	20.0	17.2	25.8
71	32.4	27.3	40.9

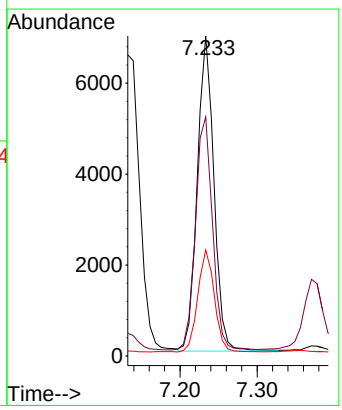


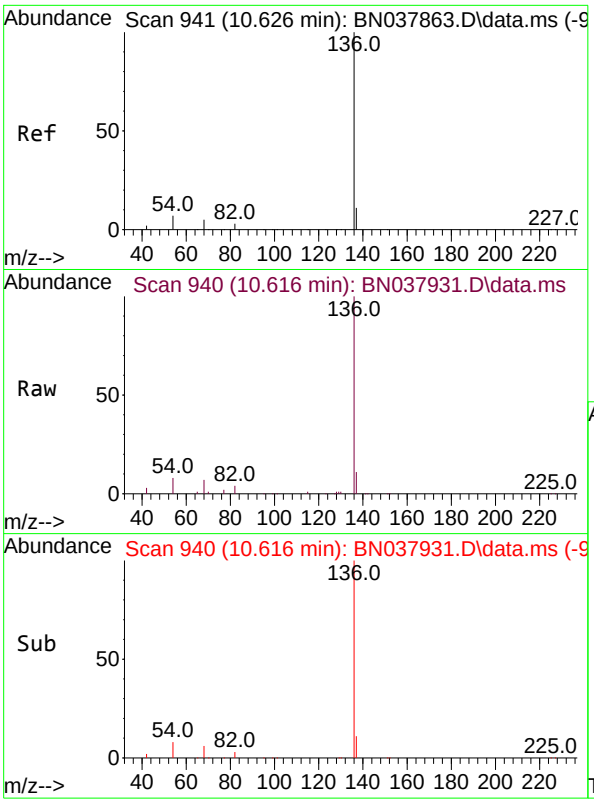


#6
bis(2-Chloroethyl)ether
Concen: 0.385 ng
RT: 7.233 min Scan# 575
Delta R.T. -0.007 min
Lab File: BN037931.D
Acq: 29 Sep 2025 11:30

Tgt Ion: 93 Resp: 10399

Ion	Ratio	Lower	Upper
93	100		
63	75.5	60.1	90.1
95	32.1	25.4	38.2



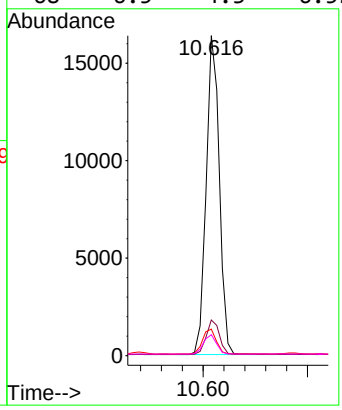


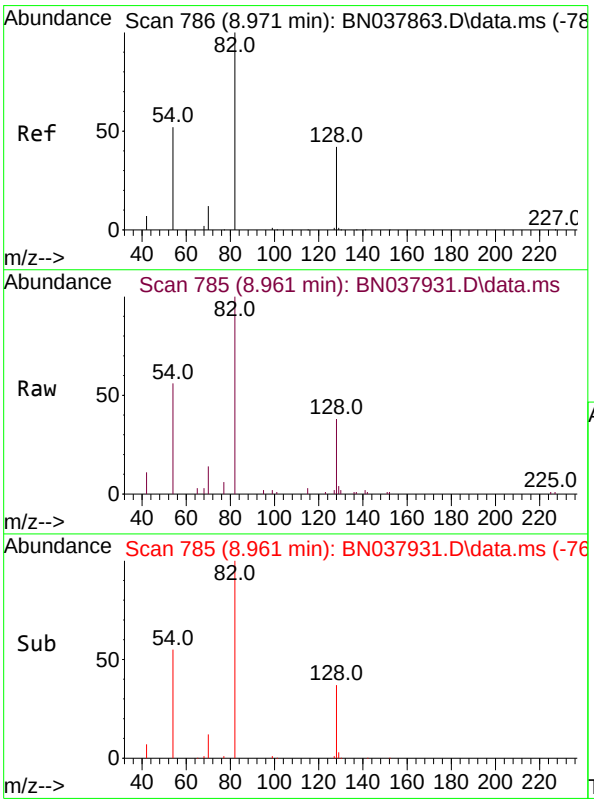
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.616 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037931.D
Acq: 29 Sep 2025 11:30

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 28657

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	8.3	5.8	8.8
68	6.5	4.3	6.5#

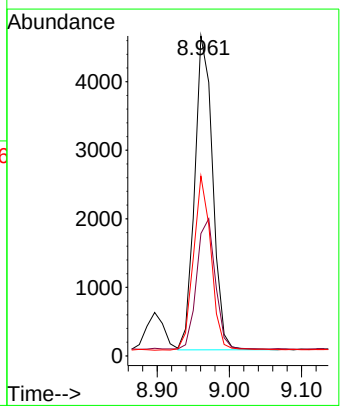


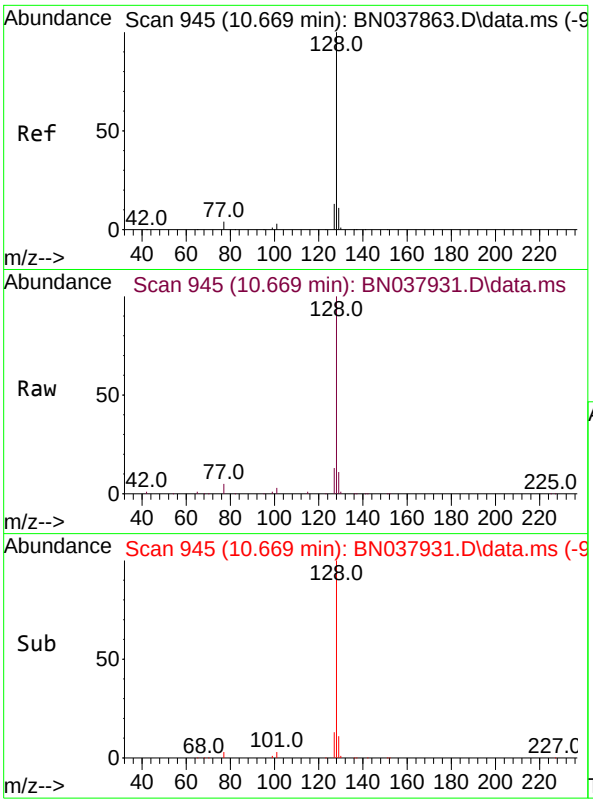


#8
Nitrobenzene-d5
Concen: 0.363 ng
RT: 8.961 min Scan# 785
Delta R.T. -0.011 min
Lab File: BN037931.D
Acq: 29 Sep 2025 11:30

Tgt Ion: 82 Resp: 7937

Ion	Ratio	Lower	Upper
82	100		
128	38.3	34.8	52.2
54	56.2	42.2	63.2



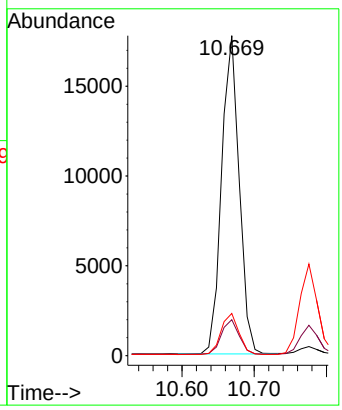


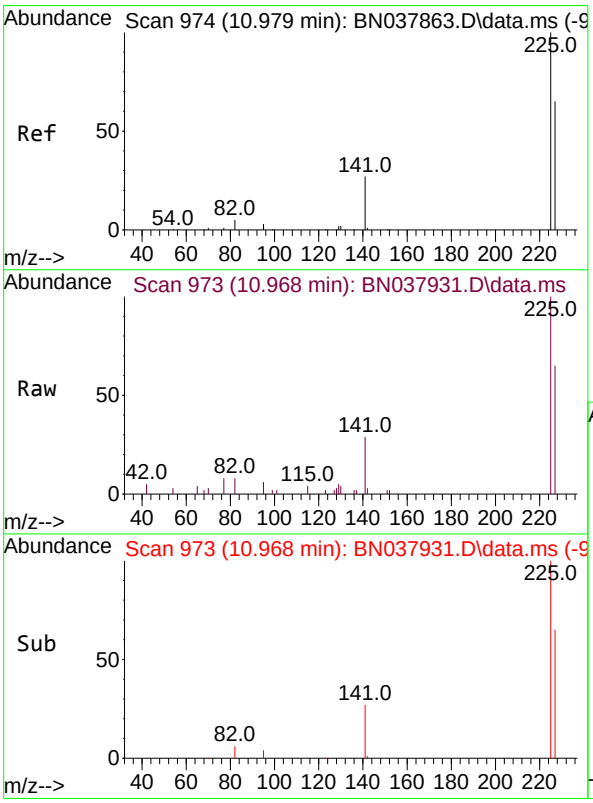
#9
Naphthalene
Concen: 0.381 ng
RT: 10.669 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN037931.D
Acq: 29 Sep 2025 11:30

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 30106

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.2	13.8
127	13.2	11.0	16.6

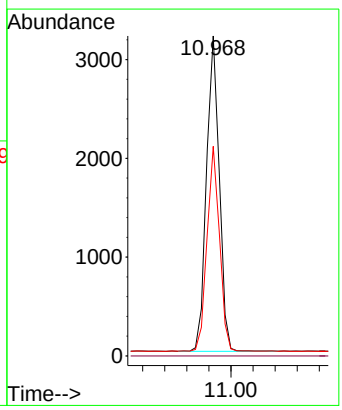


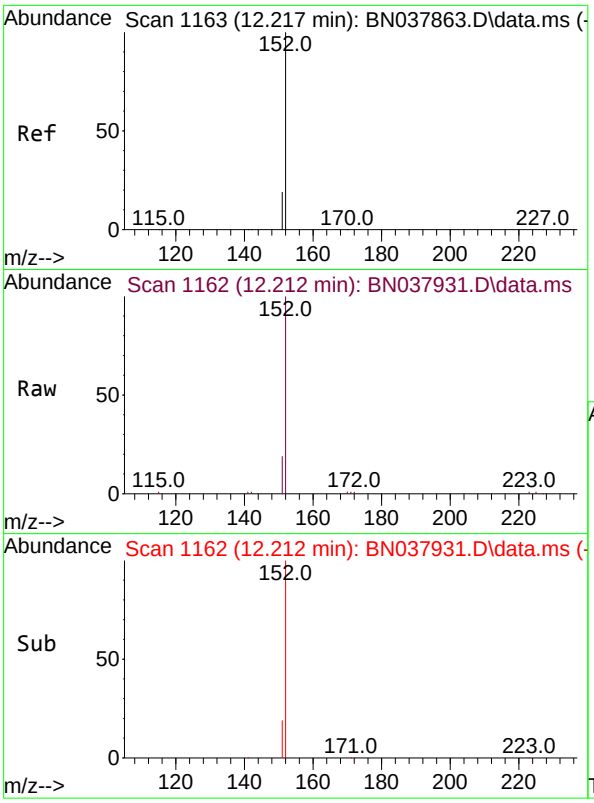


#10
Hexachlorobutadiene
Concen: 0.379 ng
RT: 10.968 min Scan# 973
Delta R.T. -0.011 min
Lab File: BN037931.D
Acq: 29 Sep 2025 11:30

Tgt Ion:225 Resp: 5108

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.6	51.4	77.2



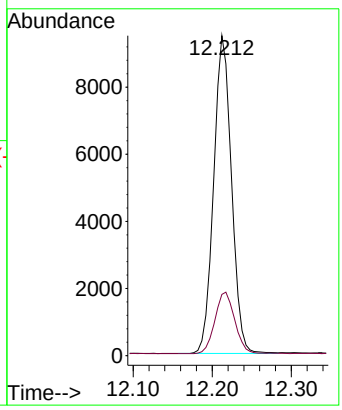


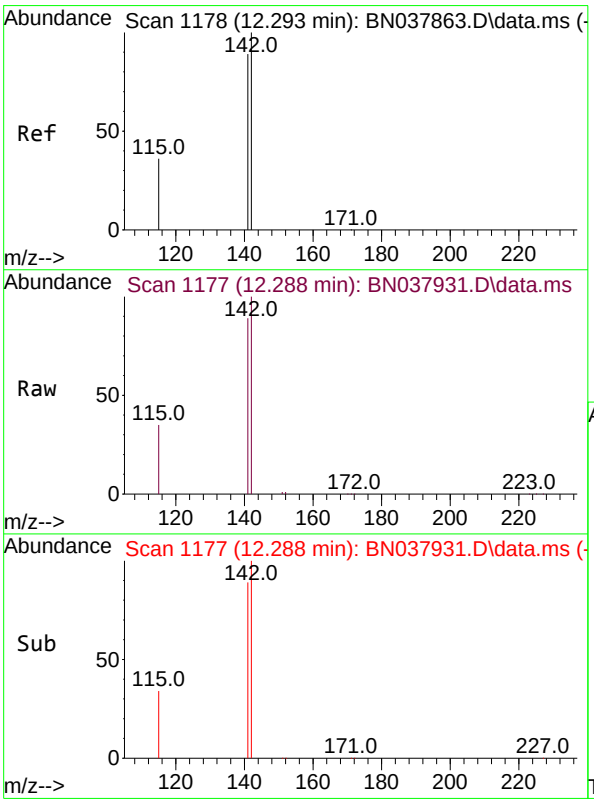
#11
2-Methylnaphthalene-d10
Concen: 0.371 ng
RT: 12.212 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN037931.D
Acq: 29 Sep 2025 11:30

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 14772

Ion	Ratio	Lower	Upper
152	100		
151	21.6	17.4	26.2

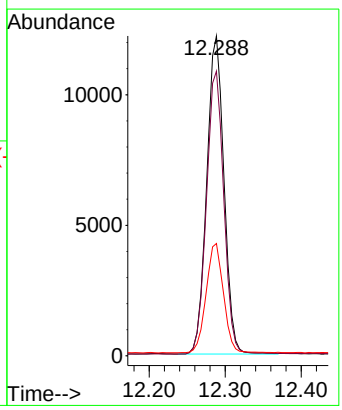


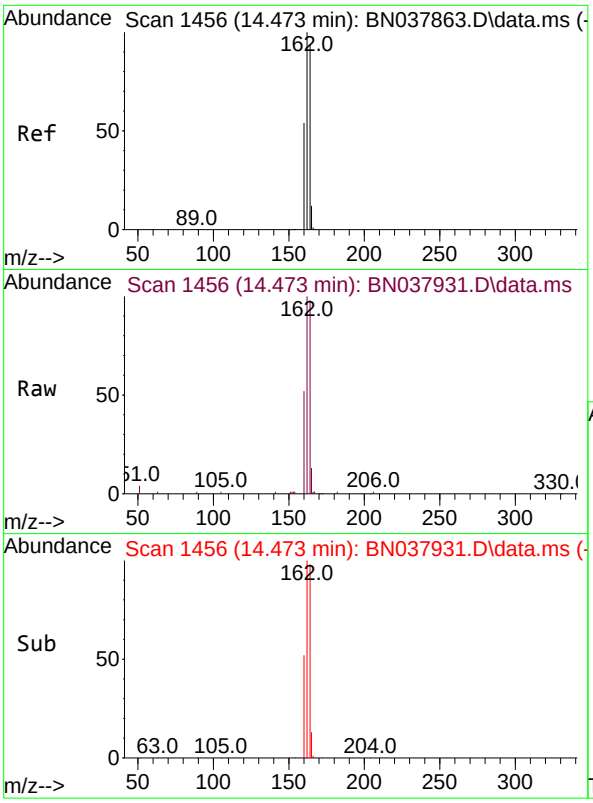


#12
2-Methylnaphthalene
Concen: 0.372 ng
RT: 12.288 min Scan# 1177
Delta R.T. -0.005 min
Lab File: BN037931.D
Acq: 29 Sep 2025 11:30

Tgt Ion:142 Resp: 19182

Ion	Ratio	Lower	Upper
142	100		
141	89.0	71.2	106.8
115	35.1	29.7	44.5



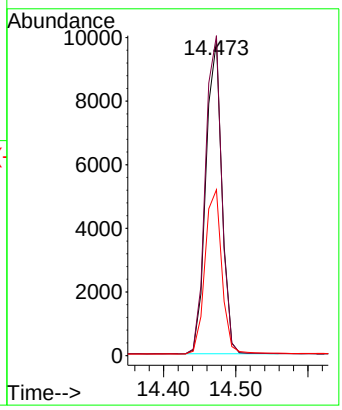


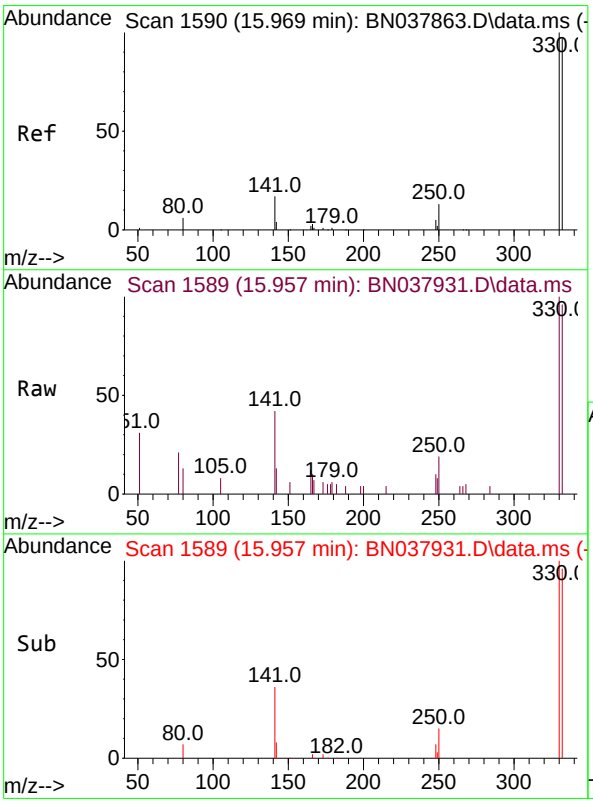
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.473 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN037931.D
Acq: 29 Sep 2025 11:30

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 15093

Ion	Ratio	Lower	Upper
164	100		
162	101.6	84.8	127.2
160	52.7	46.1	69.1

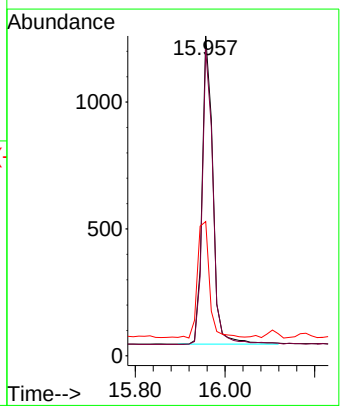


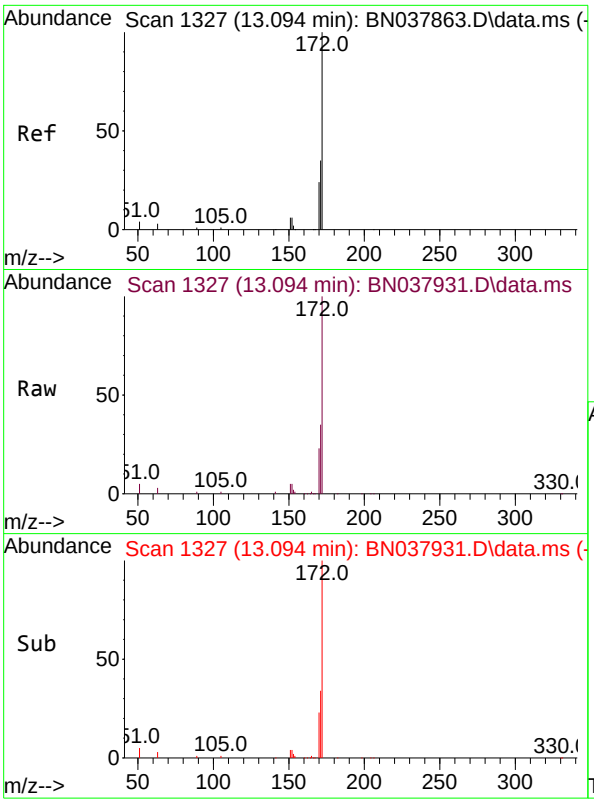


#14
2,4,6-Tribromophenol
Concen: 0.354 ng
RT: 15.957 min Scan# 1589
Delta R.T. -0.012 min
Lab File: BN037931.D
Acq: 29 Sep 2025 11:30

Tgt Ion:330 Resp: 2024

Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.2	115.8
141	41.7	37.2	55.8



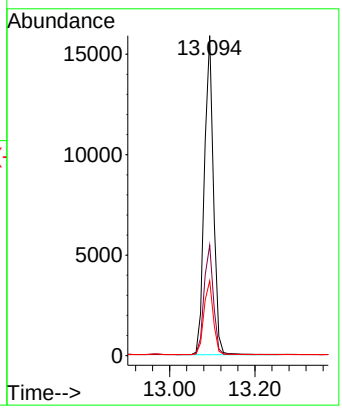


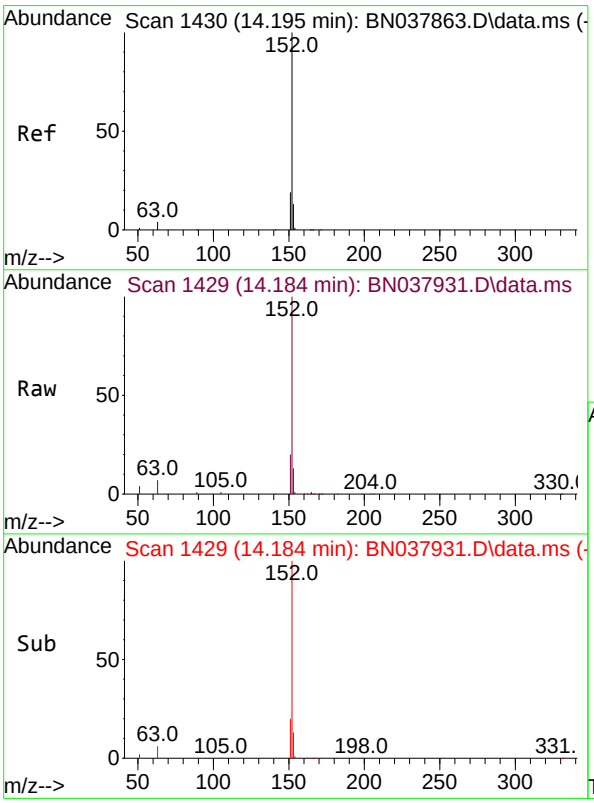
#15
2-Fluorobiphenyl
Concen: 0.380 ng
RT: 13.094 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037931.D
Acq: 29 Sep 2025 11:30

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 23458

Ion	Ratio	Lower	Upper
172	100		
171	34.5	28.6	43.0
170	23.4	19.7	29.5

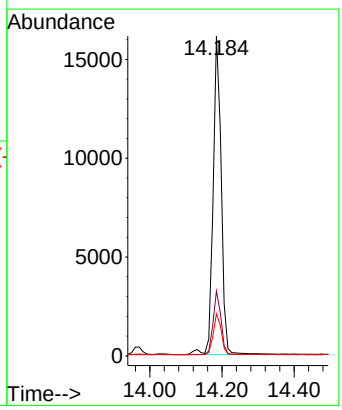


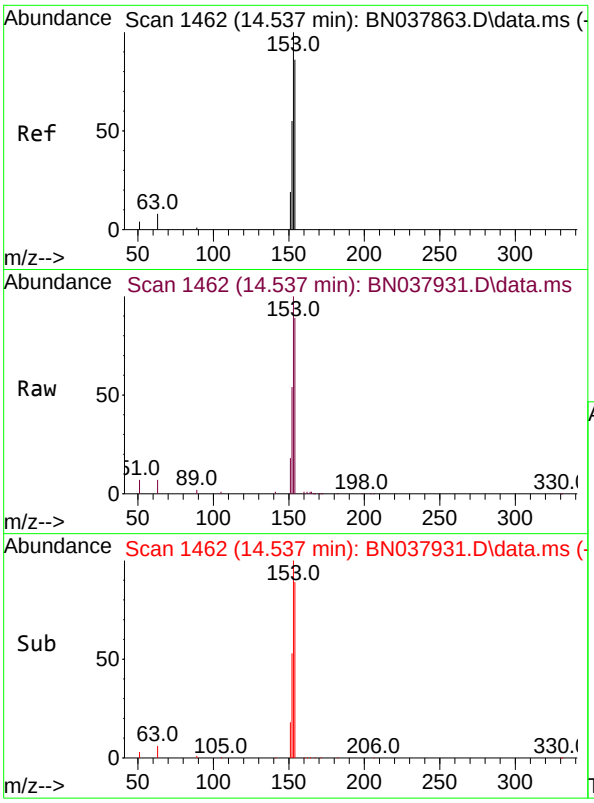


#16
Acenaphthylene
Concen: 0.368 ng
RT: 14.184 min Scan# 1429
Delta R.T. -0.011 min
Lab File: BN037931.D
Acq: 29 Sep 2025 11:30

Tgt Ion:152 Resp: 25195

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.8	23.8
153	13.0	10.5	15.7



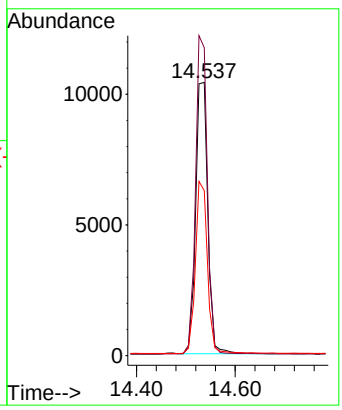


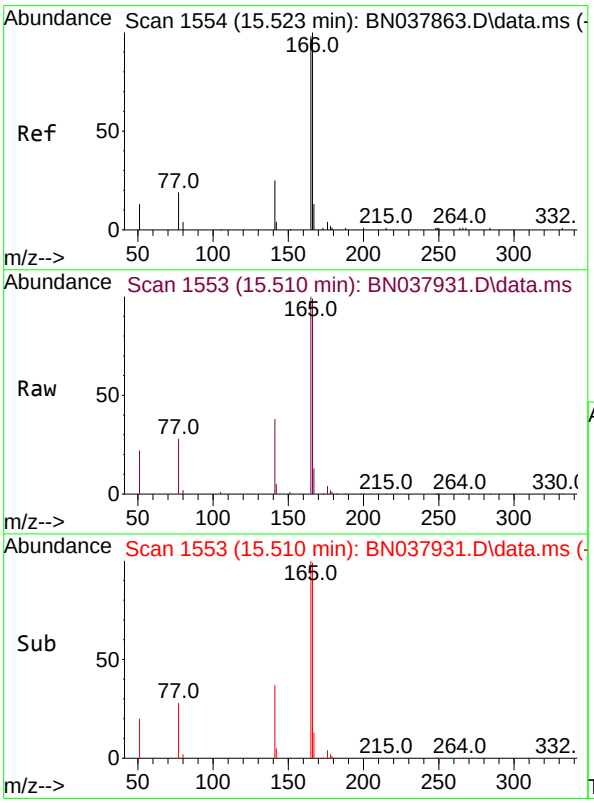
#17
Acenaphthene
Concen: 0.363 ng
RT: 14.537 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN037931.D
Acq: 29 Sep 2025 11:30

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 17735

Ion	Ratio	Lower	Upper
154	100		
153	113.9	90.5	135.7
152	63.1	51.8	77.8

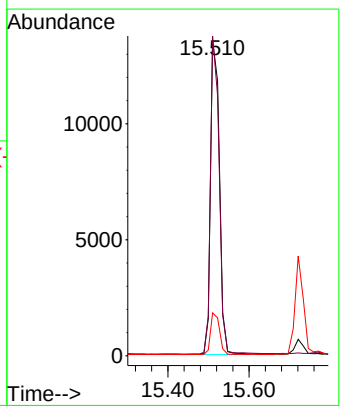


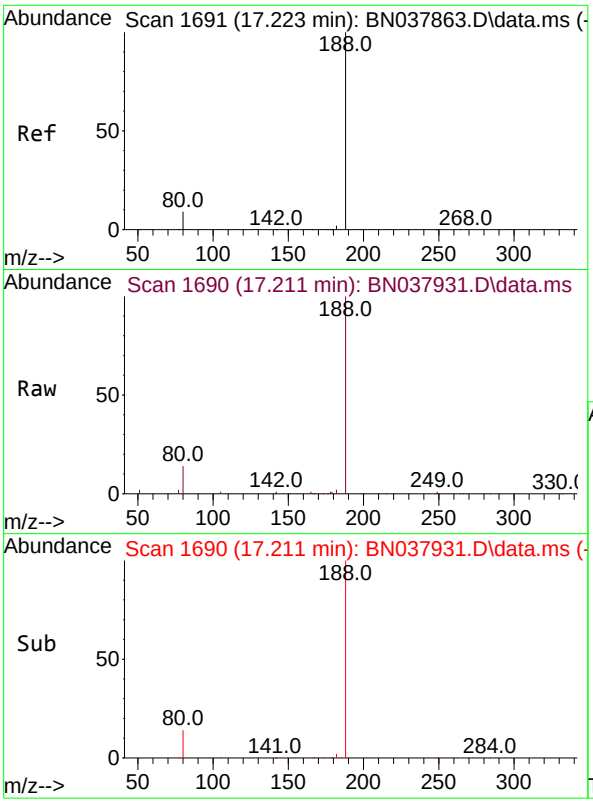


#18
Fluorene
Concen: 0.348 ng
RT: 15.510 min Scan# 1553
Delta R.T. -0.012 min
Lab File: BN037931.D
Acq: 29 Sep 2025 11:30

Tgt Ion:166 Resp: 20552

Ion	Ratio	Lower	Upper
166	100		
165	99.1	79.0	118.4
167	13.7	10.6	16.0



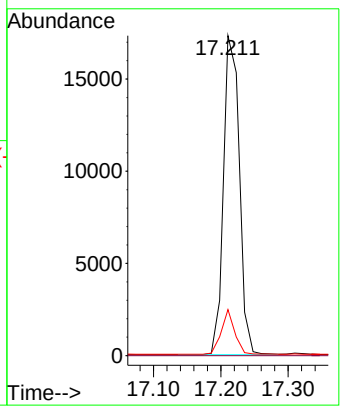


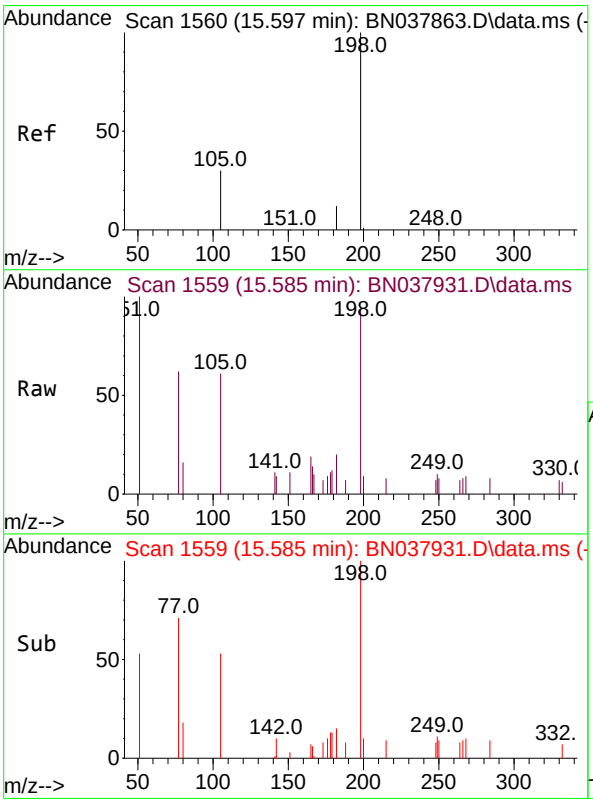
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.211 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037931.D
Acq: 29 Sep 2025 11:30

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 28466

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	14.4	7.6	11.4#

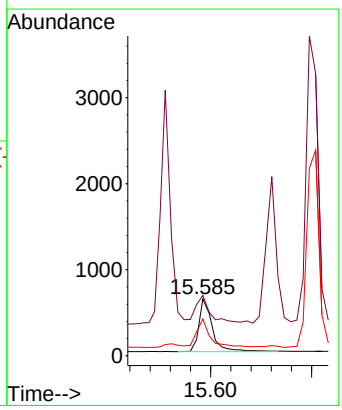


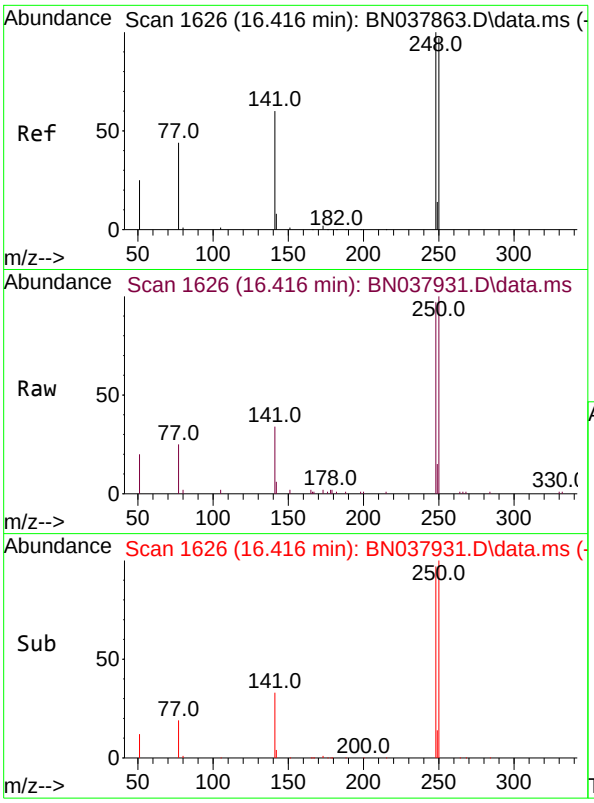


#20
4,6-Dinitro-2-methylphenol
Concen: 0.375 ng
RT: 15.585 min Scan# 1559
Delta R.T. -0.012 min
Lab File: BN037931.D
Acq: 29 Sep 2025 11:30

Tgt Ion:198 Resp: 1125

Ion	Ratio	Lower	Upper
198	100		
51	106.1	59.1	88.7#
105	64.8	41.3	61.9#



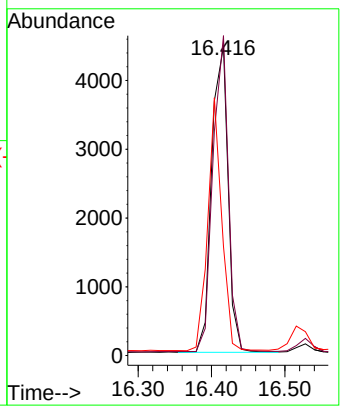


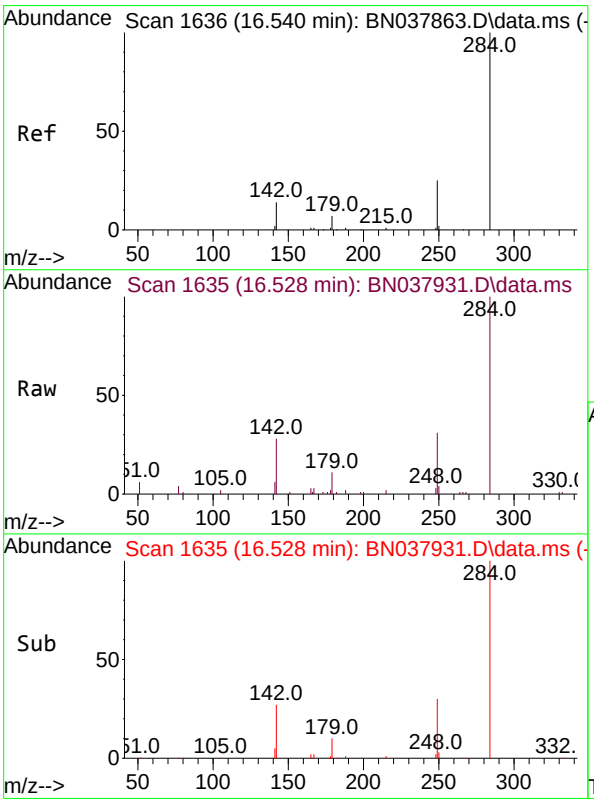
#21
4-Bromophenyl-phenylether
Concen: 0.374 ng
RT: 16.416 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037931.D
Acq: 29 Sep 2025 11:30

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:248 Resp: 6933

Ion	Ratio	Lower	Upper
248	100		
250	103.6	77.6	116.4
141	35.4	48.8	73.2#

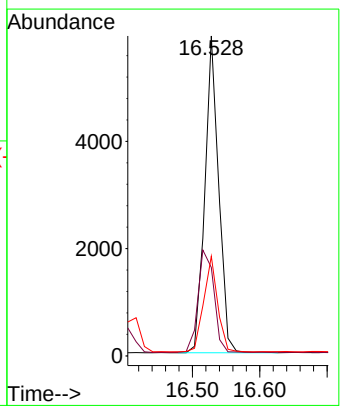


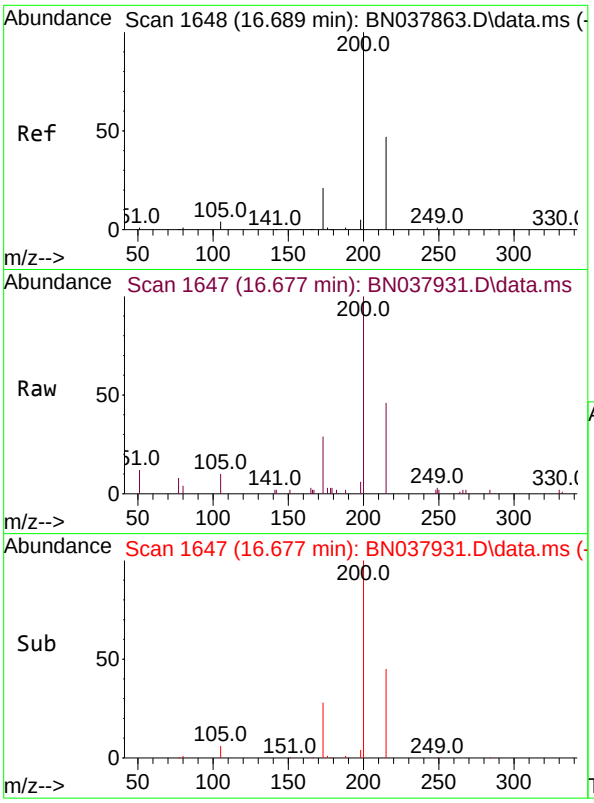


#22
Hexachlorobenzene
Concen: 0.374 ng
RT: 16.528 min Scan# 1635
Delta R.T. -0.012 min
Lab File: BN037931.D
Acq: 29 Sep 2025 11:30

Tgt Ion:284 Resp: 8410

Ion	Ratio	Lower	Upper
284	100		
142	37.2	30.9	46.3
249	30.3	23.9	35.9



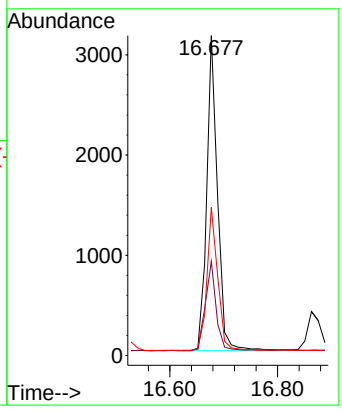


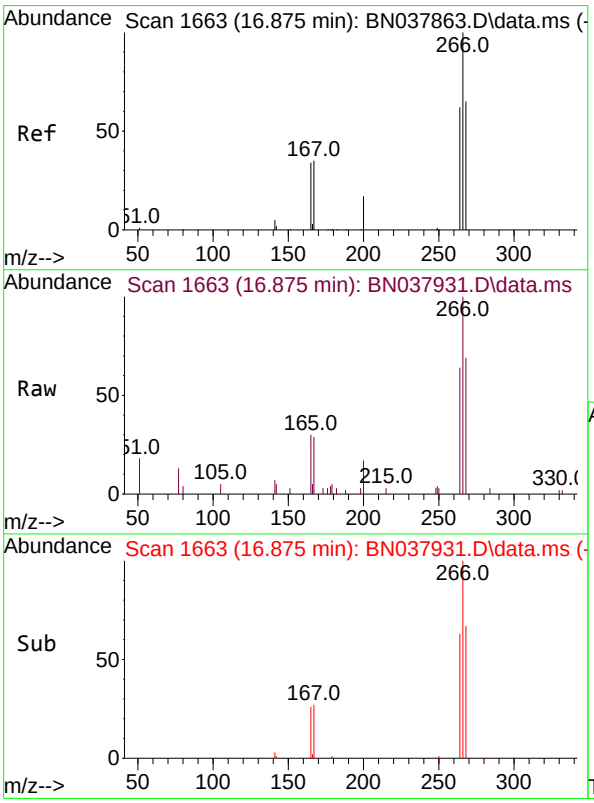
#23
Atrazine
Concen: 0.310 ng
RT: 16.677 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037931.D
Acq: 29 Sep 2025 11:30

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:200 Resp: 4378

Ion	Ratio	Lower	Upper
200	100		
173	29.5	18.3	27.5#
215	46.3	38.6	58.0

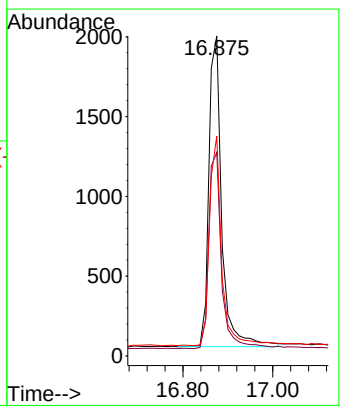


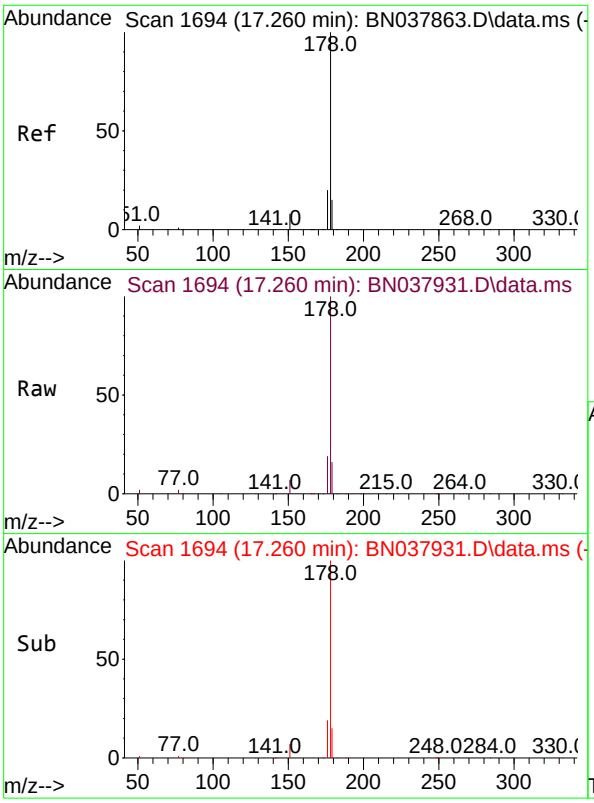


#24
Pentachlorophenol
Concen: 0.503 ng
RT: 16.875 min Scan# 1663
Delta R.T. 0.000 min
Lab File: BN037931.D
Acq: 29 Sep 2025 11:30

Tgt Ion:266 Resp: 3882

Ion	Ratio	Lower	Upper
266	100		
264	62.7	50.9	76.3
268	64.0	54.3	81.5



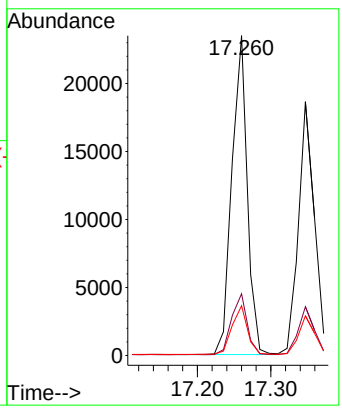


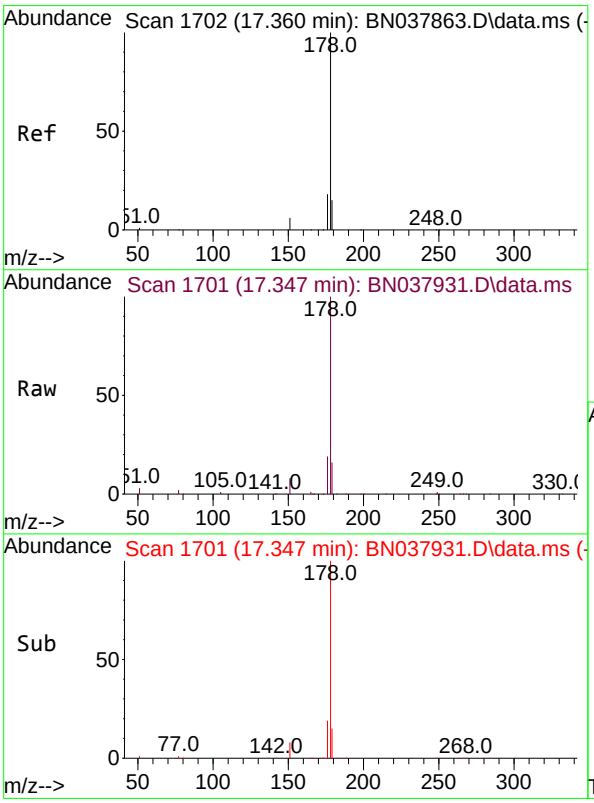
#25
Phenanthrene
Concen: 0.365 ng
RT: 17.260 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037931.D
Acq: 29 Sep 2025 11:30

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 34214

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.7	23.5
179	15.4	12.3	18.5

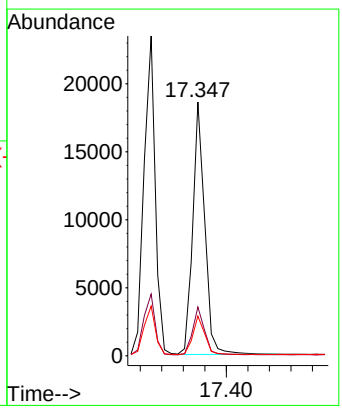


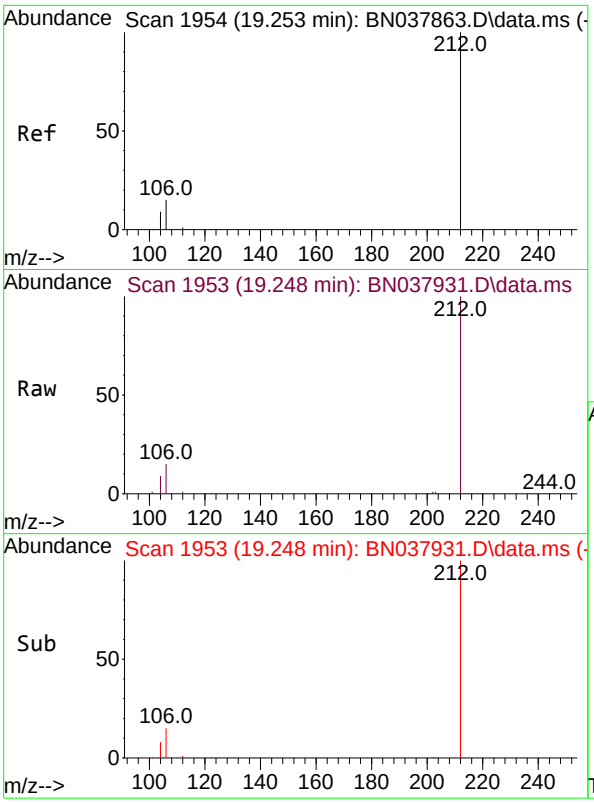


#26
Anthracene
Concen: 0.352 ng
RT: 17.347 min Scan# 1701
Delta R.T. -0.012 min
Lab File: BN037931.D
Acq: 29 Sep 2025 11:30

Tgt Ion:178 Resp: 28614

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.0	22.4
179	15.4	12.3	18.5



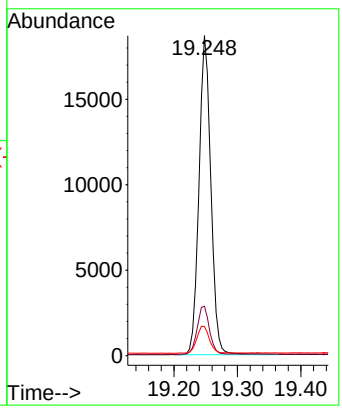


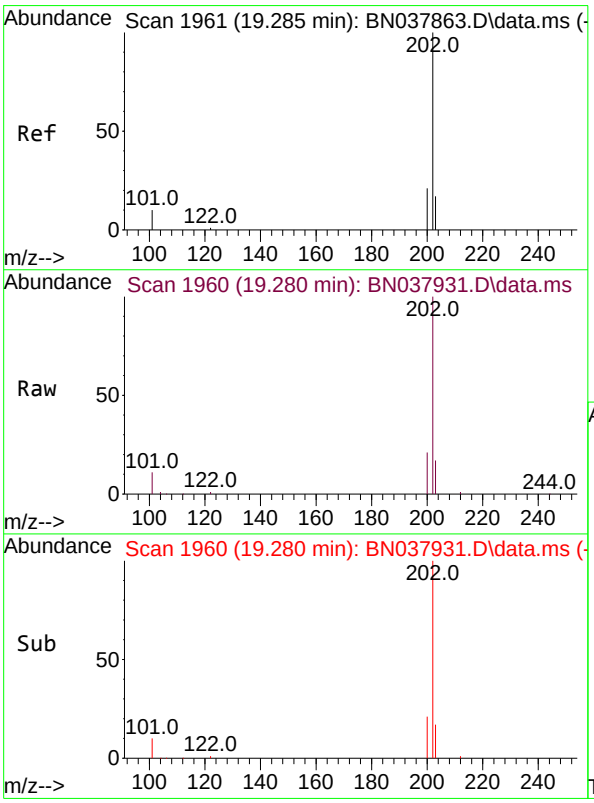
#27
Fluoranthene-d10
Concen: 0.339 ng
RT: 19.248 min Scan# 19
Delta R.T. -0.005 min
Lab File: BN037931.D
Acq: 29 Sep 2025 11:30

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 24269

Ion	Ratio	Lower	Upper
212	100		
106	15.5	12.6	19.0
104	9.1	7.4	11.0

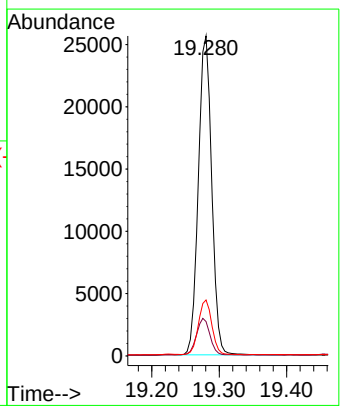


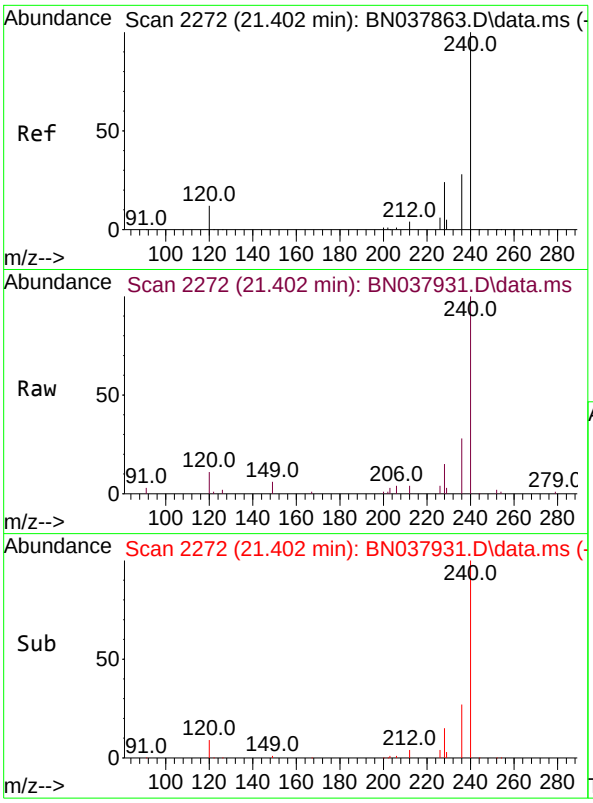


#28
Fluoranthene
Concen: 0.341 ng
RT: 19.280 min Scan# 1960
Delta R.T. -0.005 min
Lab File: BN037931.D
Acq: 29 Sep 2025 11:30

Tgt Ion:202 Resp: 35180

Ion	Ratio	Lower	Upper
202	100		
101	11.8	9.3	13.9
203	17.2	13.6	20.4



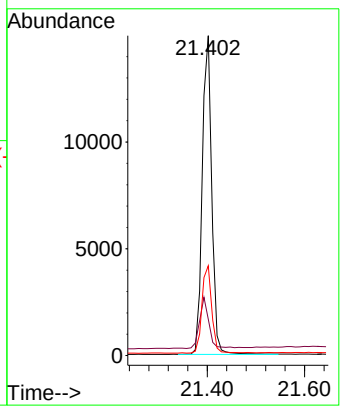


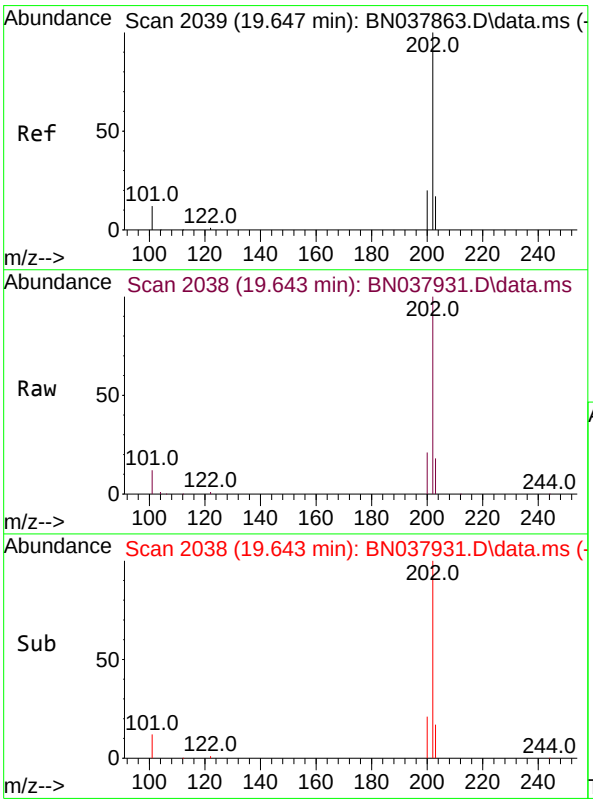
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.402 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037931.D
Acq: 29 Sep 2025 11:30

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 20163

Ion	Ratio	Lower	Upper
240	100		
120	11.4	11.4	17.2#
236	28.1	23.0	34.6

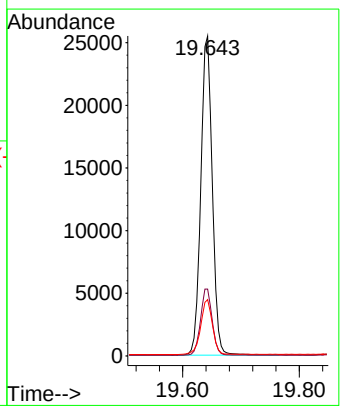


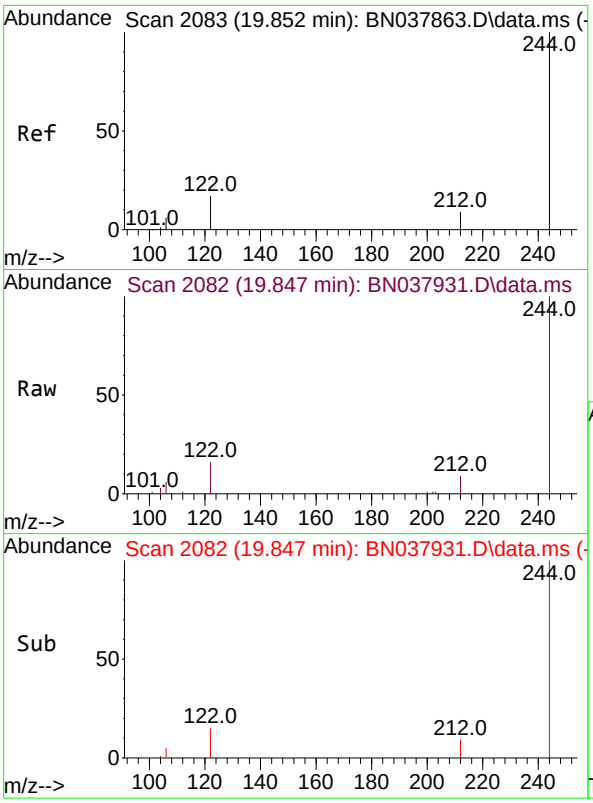


#30
Pyrene
Concen: 0.435 ng
RT: 19.643 min Scan# 2038
Delta R.T. -0.005 min
Lab File: BN037931.D
Acq: 29 Sep 2025 11:30

Tgt Ion:202 Resp: 34613

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.7	25.1
203	17.6	14.2	21.4



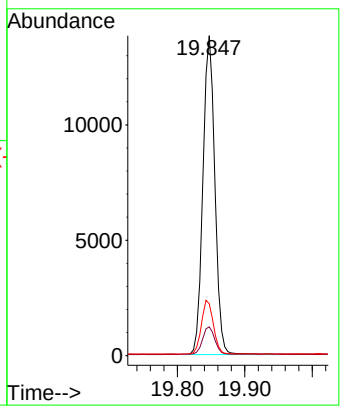


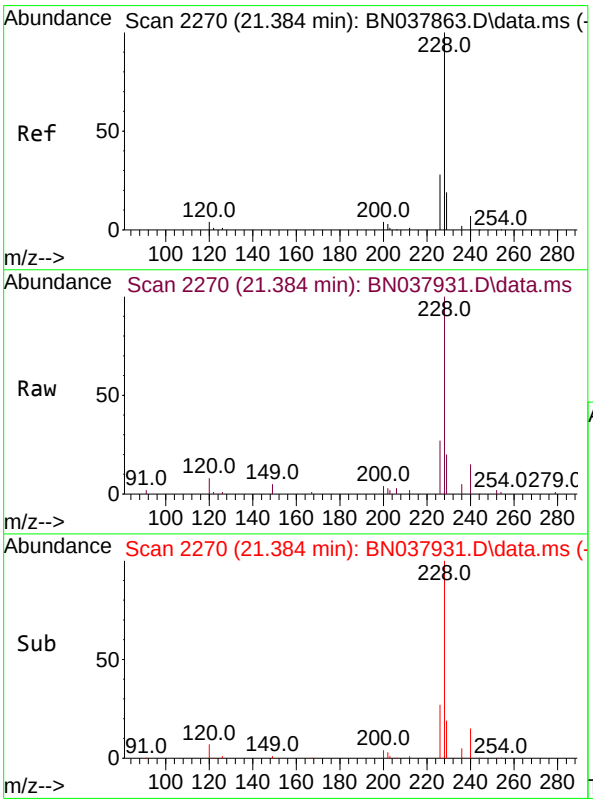
#31
Terphenyl-d14
Concen: 0.422 ng
RT: 19.847 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN037931.D
Acq: 29 Sep 2025 11:30

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 16933

Ion	Ratio	Lower	Upper
244	100		
212	9.0	7.6	11.4
122	16.3	13.9	20.9

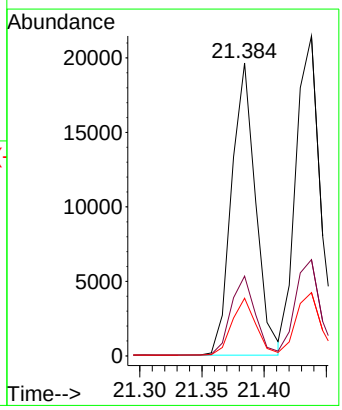


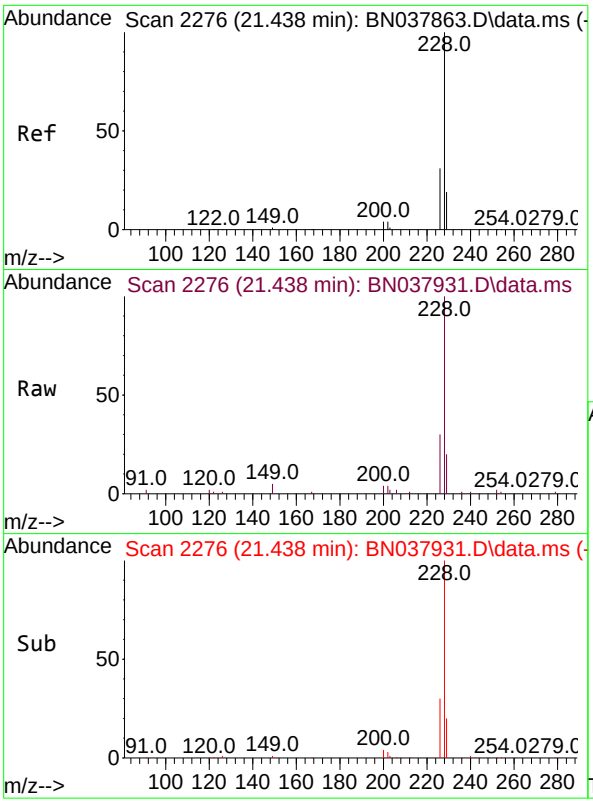


#32
Benzo(a)anthracene
Concen: 0.374 ng
RT: 21.384 min Scan# 2270
Delta R.T. -0.000 min
Lab File: BN037931.D
Acq: 29 Sep 2025 11:30

Tgt Ion:228 Resp: 26386

Ion	Ratio	Lower	Upper
228	100		
226	27.2	22.6	33.8
229	19.7	15.6	23.4



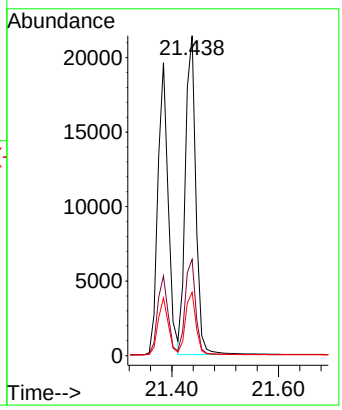


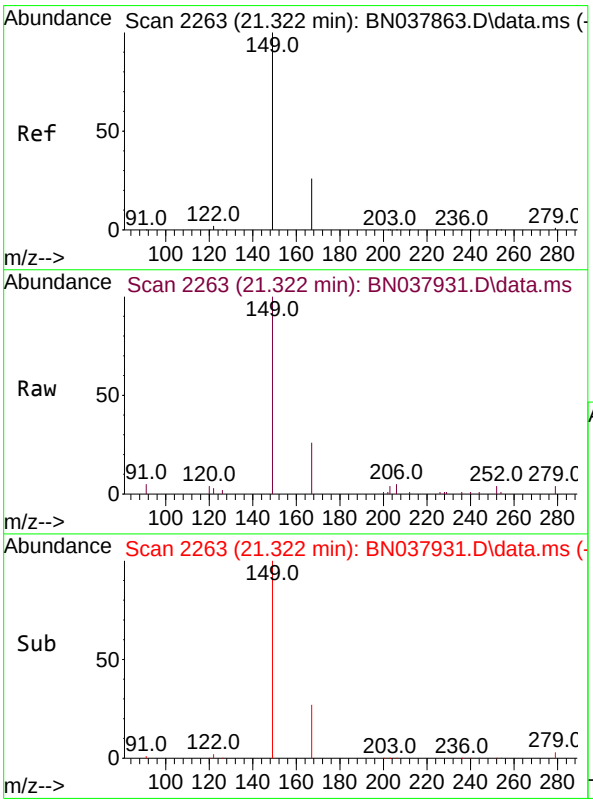
#33
Chrysene
Concen: 0.385 ng
RT: 21.438 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037931.D
Acq: 29 Sep 2025 11:30

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 29326

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.6	37.0
229	19.8	15.6	23.4

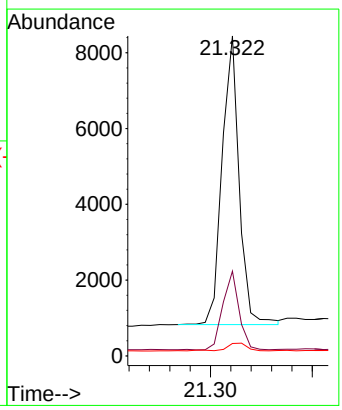


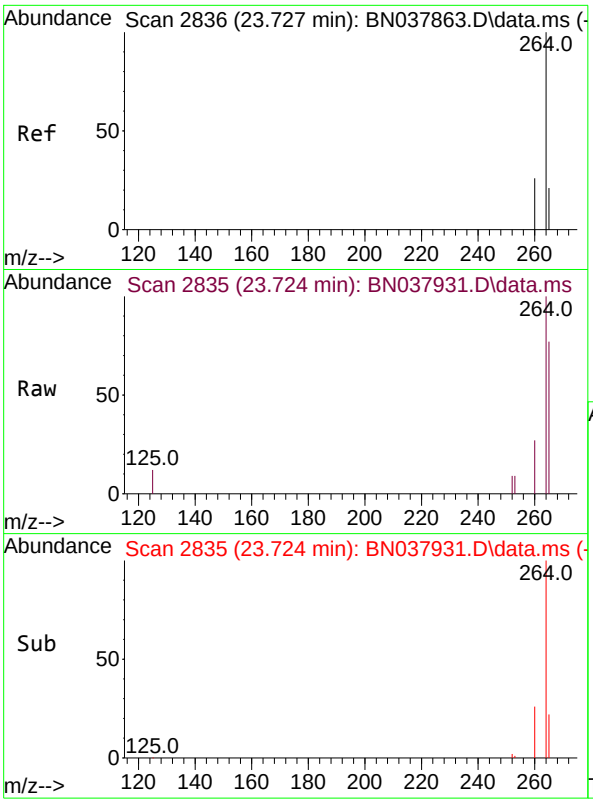


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.319 ng
RT: 21.322 min Scan# 2263
Delta R.T. -0.000 min
Lab File: BN037931.D
Acq: 29 Sep 2025 11:30

Tgt Ion:149 Resp: 8884

Ion	Ratio	Lower	Upper
149	100		
167	25.7	20.4	30.6
279	3.2	2.4	3.6



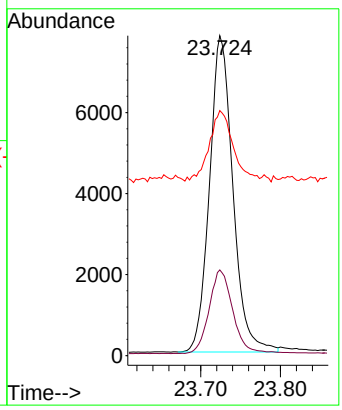


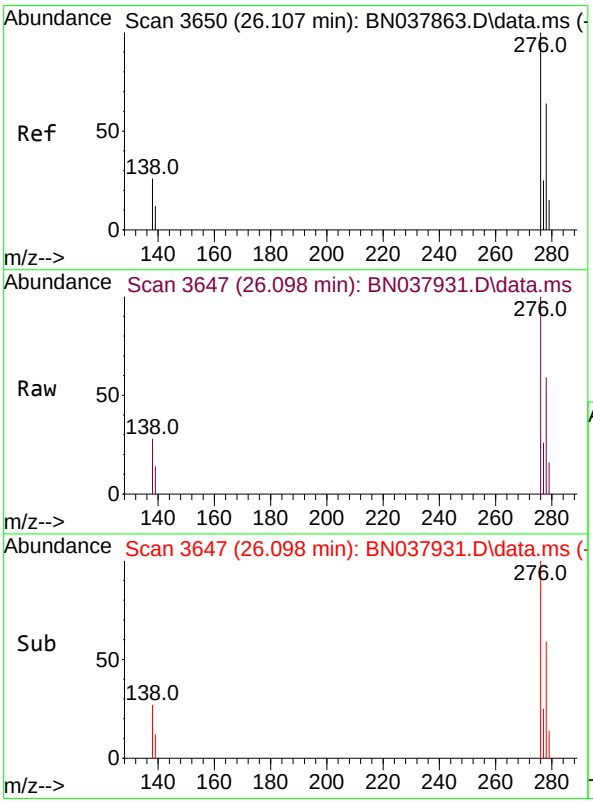
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.724 min Scan# 28
Delta R.T. -0.003 min
Lab File: BN037931.D
Acq: 29 Sep 2025 11:30

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:264 Resp: 15946

Ion	Ratio	Lower	Upper
264	100		
260	26.8	21.5	32.3
265	76.6	53.8	80.6

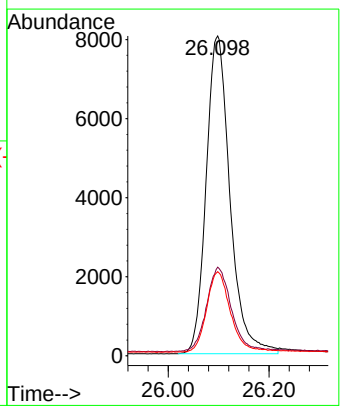


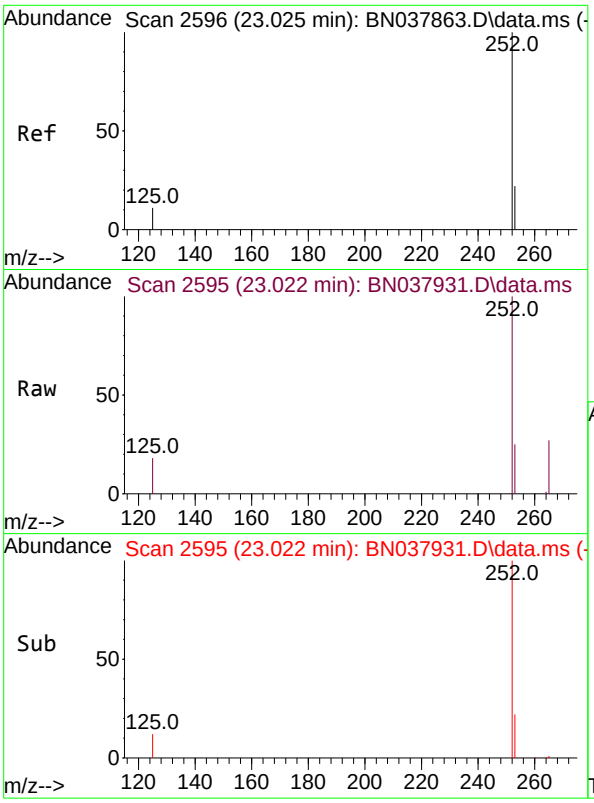


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.362 ng
RT: 26.098 min Scan# 3647
Delta R.T. -0.009 min
Lab File: BN037931.D
Acq: 29 Sep 2025 11:30

Tgt Ion:276 Resp: 26409

Ion	Ratio	Lower	Upper
276	100		
138	27.6	21.4	32.0
277	25.2	20.3	30.5



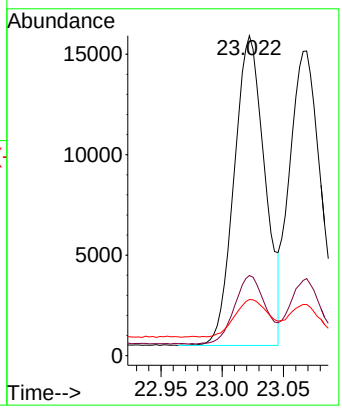


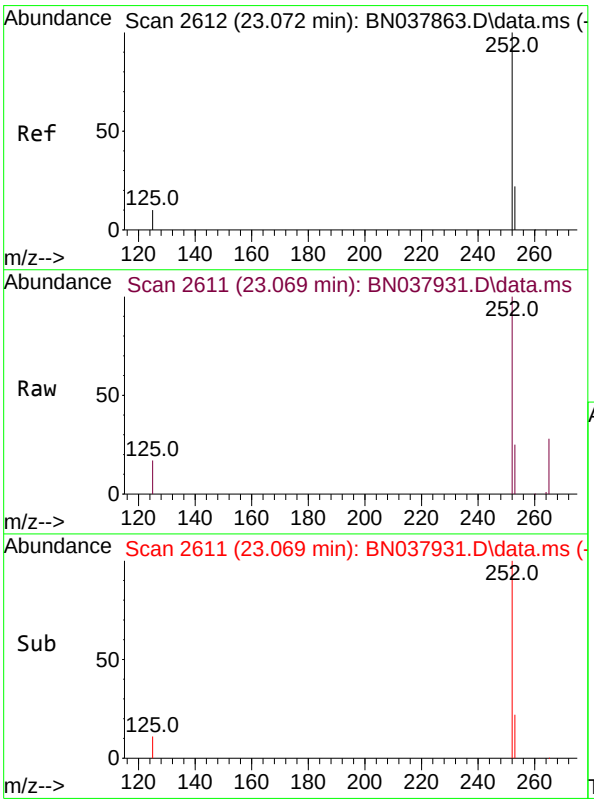
#37
Benzo(b)fluoranthene
Concen: 0.392 ng
RT: 23.022 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN037931.D
Acq: 29 Sep 2025 11:30

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 26939

Ion	Ratio	Lower	Upper
252	100		
253	25.0	19.4	29.0
125	17.5	13.0	19.4

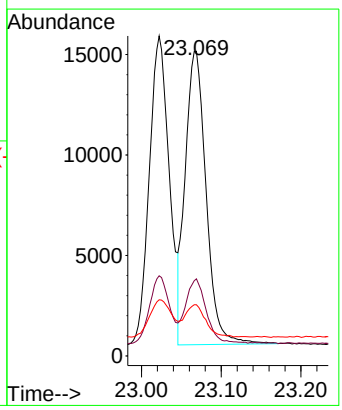


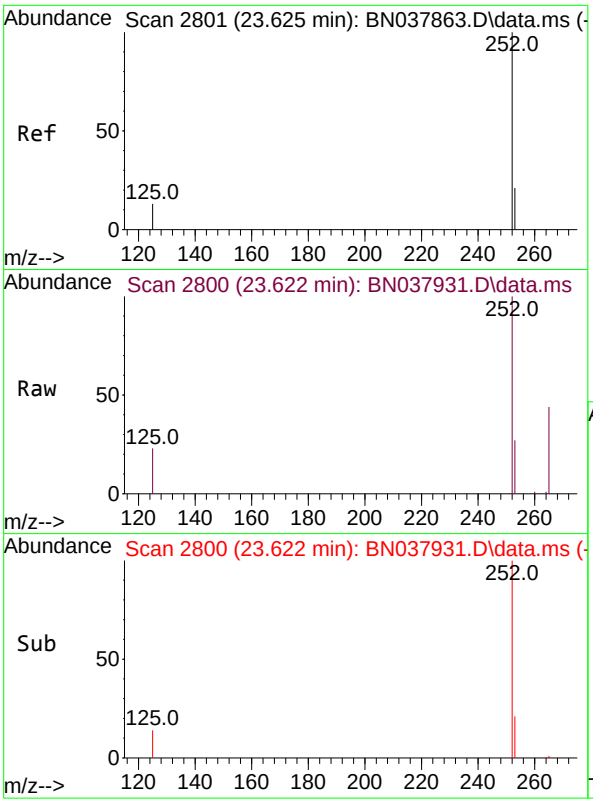


#38
Benzo(k)fluoranthene
Concen: 0.384 ng
RT: 23.069 min Scan# 2611
Delta R.T. -0.003 min
Lab File: BN037931.D
Acq: 29 Sep 2025 11:30

Tgt Ion:252 Resp: 26600

Ion	Ratio	Lower	Upper
252	100		
253	25.3	19.5	29.3
125	16.8	13.0	19.4



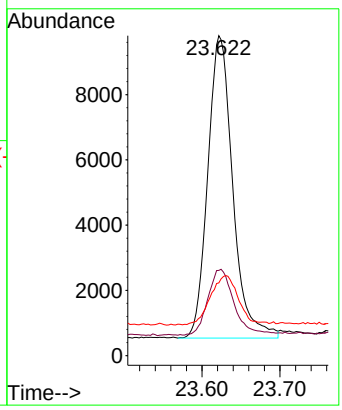


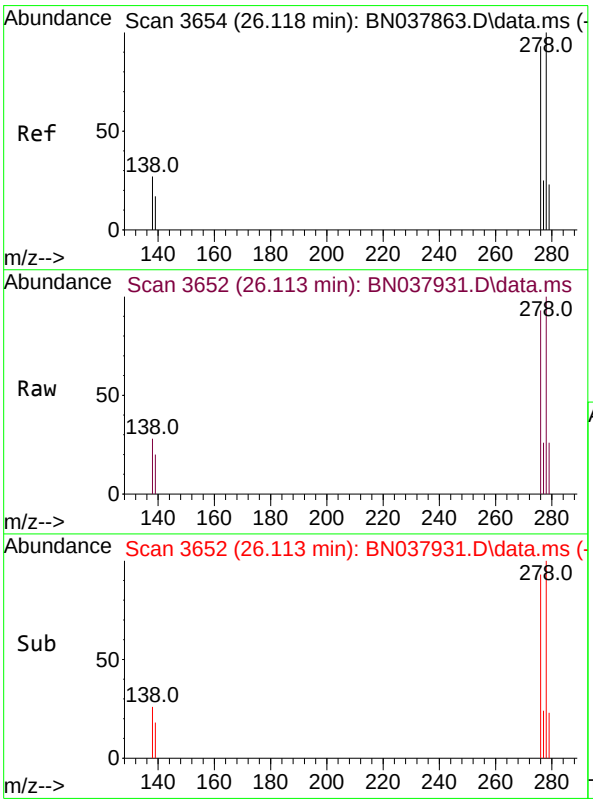
#39
Benzo(a)pyrene
Concen: 0.380 ng
RT: 23.622 min Scan# 28
Delta R.T. -0.003 min
Lab File: BN037931.D
Acq: 29 Sep 2025 11:30

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 20657

Ion	Ratio	Lower	Upper
252	100		
253	26.6	20.6	30.8
125	22.7	16.7	25.1

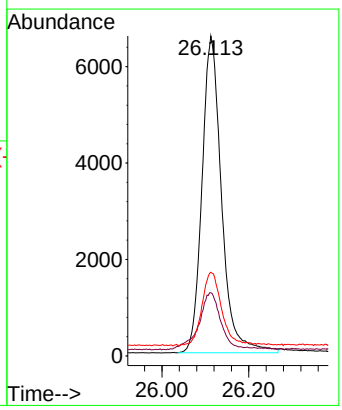


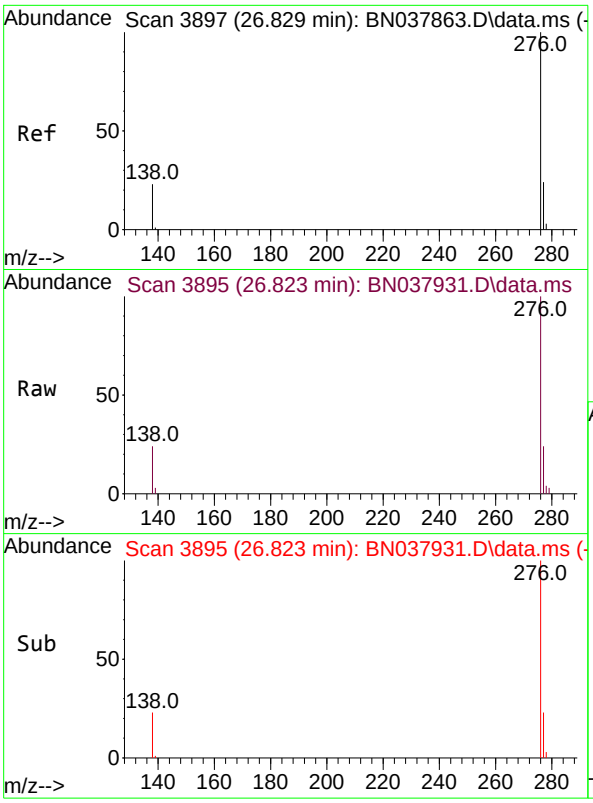


#40
Dibenzo(a,h)anthracene
Concen: 0.362 ng
RT: 26.113 min Scan# 3652
Delta R.T. -0.006 min
Lab File: BN037931.D
Acq: 29 Sep 2025 11:30

Tgt Ion:278 Resp: 20582

Ion	Ratio	Lower	Upper
278	100		
139	19.7	15.4	23.2
279	26.1	20.8	31.2



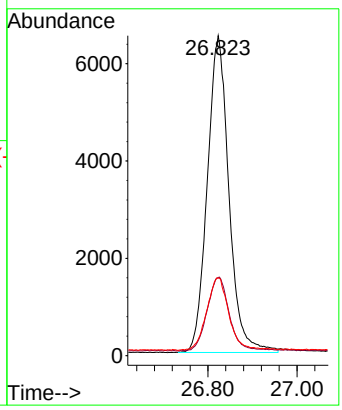


#41
Benzo(g,h,i)perylene
Concen: 0.368 ng
RT: 26.823 min Scan# 3
Delta R.T. -0.006 min
Lab File: BN037931.D
Acq: 29 Sep 2025 11:30

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 21987

Ion	Ratio	Lower	Upper
276	100		
277	24.4	20.2	30.4
138	24.2	19.8	29.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092925\
Data File : BN037931.D
Acq On : 29 Sep 2025 11:30
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Quant Time: Sep 29 11:59:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 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	174#	0.00
2		1,4-Dioxane	0.406	0.433	-6.7	184#	0.00
3		n-Nitrosodimethylamine	0.540	0.460	14.8	155#	0.00
4	S	2-Fluorophenol	0.913	0.894	2.1	181#	0.00
5	S	Phenol-d6	1.199	1.159	3.3	180#	0.00
6		bis(2-Chloroethyl)ether	1.113	1.073	3.6	172#	0.00
7	I	Naphthalene-d8	1.000	1.000	0.0	181#	-0.01
8	S	Nitrobenzene-d5	0.305	0.277	9.2	174#	-0.01
9		Naphthalene	1.102	1.051	4.6	182#	0.00
10		Hexachlorobutadiene	0.188	0.178	5.3	178#	-0.01
11	SURR	2-Methylnaphthalene-d10	0.556	0.515	7.4	188#	0.00
12		2-Methylnaphthalene	0.720	0.669	7.1	182#	0.00
13	I	Acenaphthene-d10	1.000	1.000	0.0	183#	0.00
14	S	2,4,6-Tribromophenol	0.152	0.134	11.8	181#	-0.01
15	S	2-Fluorobiphenyl	1.638	1.554	5.1	182#	0.00
16		Acenaphthylene	1.816	1.669	8.1	184#	-0.01
17		Acenaphthene	1.294	1.175	9.2	180#	0.00
18		Fluorene	1.565	1.362	13.0	172#	-0.01
19	I	Phenanthrene-d10	1.000	1.000	0.0	179#	-0.01
20		4,6-Dinitro-2-methylphenol	0.057	0.040	29.8#	162#	-0.01
21		4-Bromophenyl-phenylether	0.261	0.244	6.5	178#	0.00
22		Hexachlorobenzene	0.316	0.295	6.6	173#	-0.01
23		Atrazine	0.199	0.154	22.6	160#	-0.01
24		Pentachlorophenol	0.108	0.136	-25.9#	265#	0.00
25		Phenanthrene	1.316	1.202	8.7	174#	0.00
26		Anthracene	1.142	1.005	12.0	175#	-0.01
27	SURR	Fluoranthene-d10	1.006	0.853	15.2	172#	0.00
28		Fluoranthene	1.450	1.236	14.8	168#	0.00
29	I	Chrysene-d12	1.000	1.000	0.0	148	0.00
30		Pyrene	1.579	1.717	-8.7	168#	0.00
31	S	Terphenyl-d14	0.797	0.840	-5.4	166#	0.00
32		Benzo(a)anthracene	1.398	1.309	6.4	150#	0.00
33		Chrysene	1.512	1.454	3.8	148	0.00
34		Bis(2-ethylhexyl)phthalate	0.553	0.441	20.3	134	0.00
35	I	Perylene-d12	1.000	1.000	0.0	127	0.00
36		Indeno(1,2,3-cd)pyrene	1.828	1.656	9.4	127	0.00
37		Benzo(b)fluoranthene	1.725	1.689	2.1	131	0.00
38		Benzo(k)fluoranthene	1.736	1.668	3.9	132	0.00
39	C	Benzo(a)pyrene	1.364	1.295	5.1	133	0.00
40		Dibenzo(a,h)anthracene	1.427	1.291	9.5	126	0.00
41		Benzo(g,h,i)perylene	1.499	1.379	8.0	125	0.00

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092925\
Data File : BN037931.D
Acq On : 29 Sep 2025 11:30
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Quant Time: Sep 29 11:59:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 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	174	0.00
2		1,4-Dioxane	0.400	0.427	-6.7	184	0.00
3		n-Nitrosodimethylamine	0.400	0.341	14.8	155	0.00
4	S	2-Fluorophenol	0.400	0.392	2.0	181	0.00
5	S	Phenol-d6	0.400	0.387	3.3	180	0.00
6		bis(2-Chloroethyl)ether	0.400	0.385	3.8	172	0.00
7	I	Naphthalene-d8	0.400	0.400	0.0	181	-0.01
8	S	Nitrobenzene-d5	0.400	0.363	9.3	174	-0.01
9		Naphthalene	0.400	0.381	4.8	182	0.00
10		Hexachlorobutadiene	0.400	0.379	5.3	178	-0.01
11	SURR	2-Methylnaphthalene-d10	0.400	0.371	7.3	188	0.00
12		2-Methylnaphthalene	0.400	0.372	7.0	182	0.00
13	I	Acenaphthene-d10	0.400	0.400	0.0	183	0.00
14	S	2,4,6-Tribromophenol	0.400	0.354	11.5	181	-0.01
15	S	2-Fluorobiphenyl	0.400	0.380	5.0	182	0.00
16		Acenaphthylene	0.400	0.368	8.0	184	-0.01
17		Acenaphthene	0.400	0.363	9.3	180	0.00
18		Fluorene	0.400	0.348	13.0	172	-0.01
19	I	Phenanthrene-d10	0.400	0.400	0.0	179	-0.01
20		4,6-Dinitro-2-methylphenol	0.400	0.375	6.3	162	-0.01
21		4-Bromophenyl-phenylether	0.400	0.374	6.5	178	0.00
22		Hexachlorobenzene	0.400	0.374	6.5	173	-0.01
23		Atrazine	0.400	0.310	22.5	160	-0.01
24		Pentachlorophenol	0.400	0.503	-25.7#	265	0.00
25		Phenanthrene	0.400	0.365	8.8	174	0.00
26		Anthracene	0.400	0.352	12.0	175	-0.01
27	SURR	Fluoranthene-d10	0.400	0.339	15.3	172	0.00
28		Fluoranthene	0.400	0.341	14.8	168	0.00
29	I	Chrysene-d12	0.400	0.400	0.0	148	0.00
30		Pyrene	0.400	0.435	-8.7	168	0.00
31	S	Terphenyl-d14	0.400	0.422	-5.5	166	0.00
32		Benzo(a)anthracene	0.400	0.374	6.5	150	0.00
33		Chrysene	0.400	0.385	3.8	148	0.00
34		Bis(2-ethylhexyl)phthalate	0.400	0.319	20.3	134	0.00
35	I	Perylene-d12	0.400	0.400	0.0	127	0.00
36		Indeno(1,2,3-cd)pyrene	0.400	0.362	9.5	127	0.00
37		Benzo(b)fluoranthene	0.400	0.392	2.0	131	0.00
38		Benzo(k)fluoranthene	0.400	0.384	4.0	132	0.00
39	C	Benzo(a)pyrene	0.400	0.380	5.0	133	0.00
40		Dibenzo(a,h)anthracene	0.400	0.362	9.5	126	0.00
41		Benzo(g,h,i)perylene	0.400	0.368	8.0	125	0.00

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

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO15

Lab Code: ACE SDG No.: Q3156

Instrument ID: BNA_N Calibration Date/Time: 09/29/2025 18:46

Lab File ID: BN037941.D Init. Calib. Date(s): 09/23/2025 09/23/2025

EPA Sample No.: SSTDCCC0.4EC Init. Calib. Time(s): 12:13 15:51

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.556	0.490		-11.9	50.0
Fluoranthene-d10	1.006	0.914		-9.1	50.0
2-Fluorophenol	0.913	0.907		-0.7	50.0
Phenol-d6	1.199	1.110		-7.4	50.0
Nitrobenzene-d5	0.305	0.282		-7.5	50.0
2-Fluorobiphenyl	1.638	1.513		-7.6	50.0
2,4,6-Tribromophenol	0.152	0.142		-6.6	50.0
Terphenyl-d14	0.797	0.716		-10.2	50.0
1,4-Dioxane	0.406	0.382		-5.9	50.0

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092925\
Data File : BN037941.D
Acq On : 29 Sep 2025 18:46
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Quant Time: Sep 29 19:10:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration

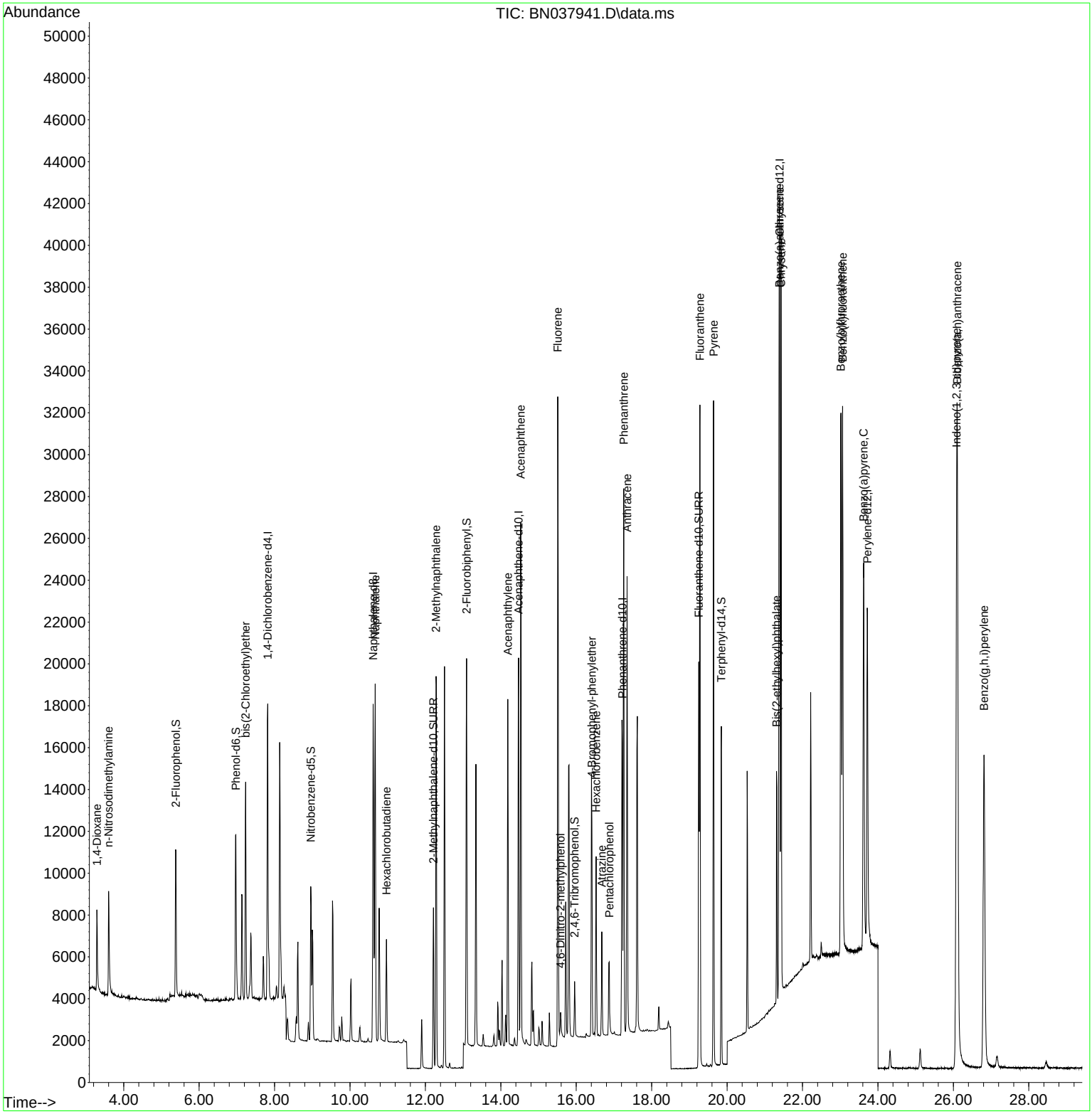
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.818	152	7018	0.400	ng	0.00
7) Naphthalene-d8	10.616	136	21039	0.400	ng	-0.01
13) Acenaphthene-d10	14.473	164	10932	0.400	ng	0.00
19) Phenanthrene-d10	17.223	188	22475	0.400	ng	# 0.00
29) Chrysene-d12	21.393	240	21191	0.400	ng	# 0.00
35) Perylene-d12	23.718	264	22679	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.384	112	6365	0.397	ng	0.00
5) Phenol-d6	6.973	99	7788	0.370	ng	0.00
8) Nitrobenzene-d5	8.961	82	5923	0.369	ng	-0.01
11) 2-Methylnaphthalene-d10	12.212	152	10319	0.353	ng	0.00
14) 2,4,6-Tribromophenol	15.957	330	1548	0.373	ng	-0.01
15) 2-Fluorobiphenyl	13.094	172	16535	0.369	ng	0.00
27) Fluoranthene-d10	19.248	212	20532	0.363	ng	0.00
31) Terphenyl-d14	19.847	244	15173	0.359	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.290	88	2683	0.377	ng	94
3) n-Nitrosodimethylamine	3.600	42	3409	0.360	ng	# 91
6) bis(2-Chloroethyl)ether	7.233	93	7470	0.382	ng	100
9) Naphthalene	10.669	128	21956	0.379	ng	99
10) Hexachlorobutadiene	10.968	225	3803	0.385	ng	# 99
12) 2-Methylnaphthalene	12.283	142	13524	0.357	ng	99
16) Acenaphthylene	14.184	152	18342	0.370	ng	99
17) Acenaphthene	14.527	154	12782	0.361	ng	99
18) Fluorene	15.510	166	15023	0.351	ng	98
20) 4,6-Dinitro-2-methylph...	15.585	198	913	0.384	ng	# 50
21) 4-Bromophenyl-phenylether	16.416	248	5227	0.357	ng	# 84
22) Hexachlorobenzene	16.528	284	6526	0.368	ng	99
23) Atrazine	16.677	200	3730	0.334	ng	# 92
24) Pentachlorophenol	16.875	266	2216	0.364	ng	95
25) Phenanthrene	17.260	178	26836	0.363	ng	100
26) Anthracene	17.347	178	22634	0.353	ng	100
28) Fluoranthene	19.280	202	29296	0.360	ng	100
30) Pyrene	19.643	202	29327	0.351	ng	100
32) Benzo(a)anthracene	21.384	228	27101	0.366	ng	98
33) Chrysene	21.429	228	29366	0.367	ng	100
34) Bis(2-ethylhexyl)phtha...	21.313	149	10848	0.370	ng	99
36) Indeno(1,2,3-cd)pyrene	26.086	276	41916	0.404	ng	98
37) Benzo(b)fluoranthene	23.016	252	33935	0.347	ng	99
38) Benzo(k)fluoranthene	23.063	252	34641	0.352	ng	99
39) Benzo(a)pyrene	23.619	252	28276	0.366	ng	97
40) Dibenzo(a,h)anthracene	26.104	278	32843	0.406	ng	99
41) Benzo(g,h,i)perylene	26.814	276	32940	0.387	ng	99

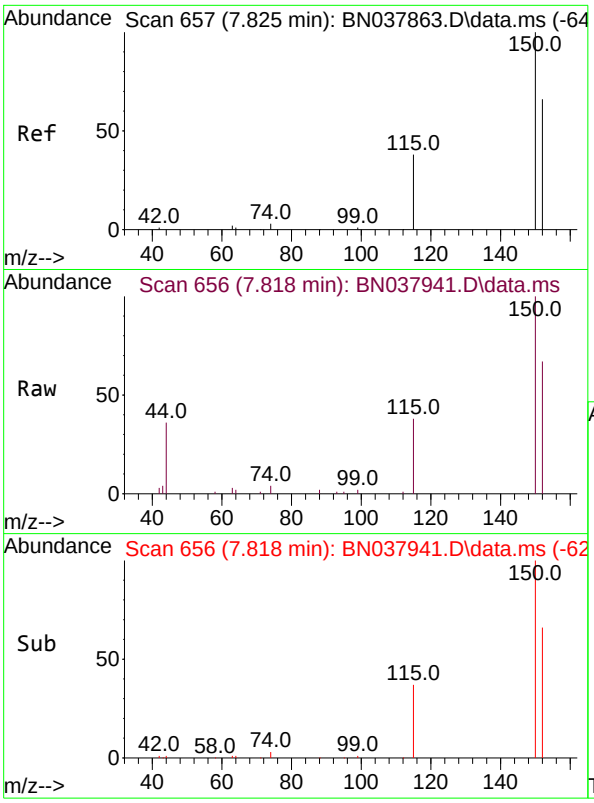
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092925\
Data File : BN037941.D
Acq On : 29 Sep 2025 18:46
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Quant Time: Sep 29 19:10:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration



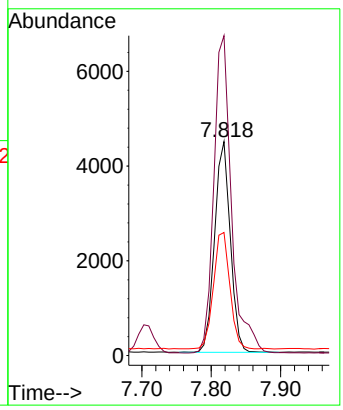


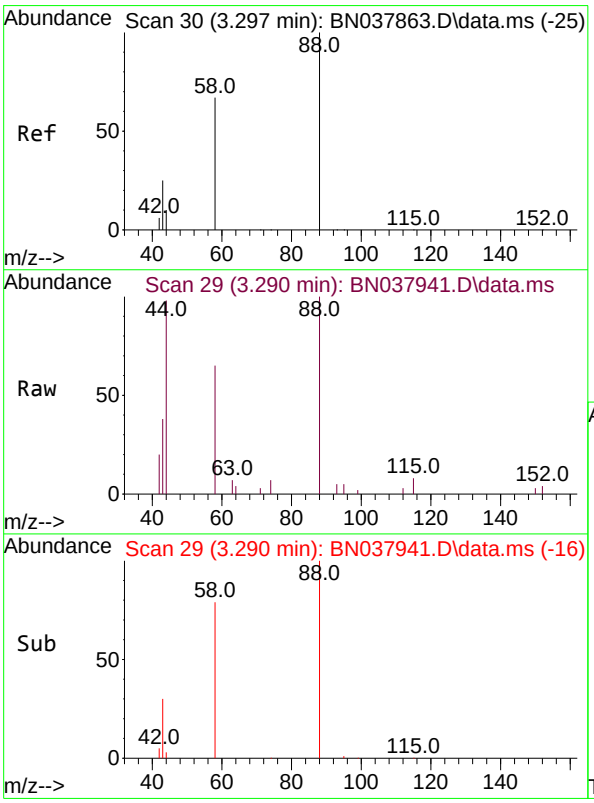
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.818 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN037941.D
Acq: 29 Sep 2025 18:46

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 7018

Ion	Ratio	Lower	Upper
152	100		
150	149.5	121.0	181.4
115	57.5	47.4	71.0

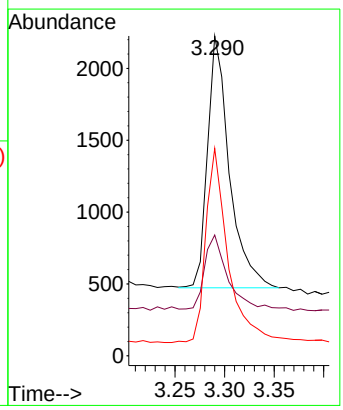


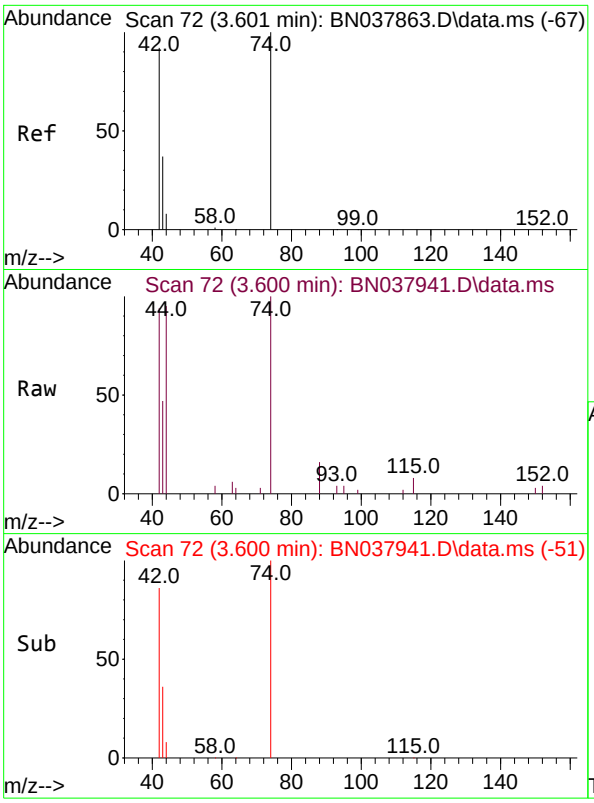


#2
1,4-Dioxane
Concen: 0.377 ng
RT: 3.290 min Scan# 29
Delta R.T. -0.007 min
Lab File: BN037941.D
Acq: 29 Sep 2025 18:46

Tgt Ion: 88 Resp: 2683

Ion	Ratio	Lower	Upper
88	100		
43	30.6	26.6	39.8
58	78.9	58.9	88.3



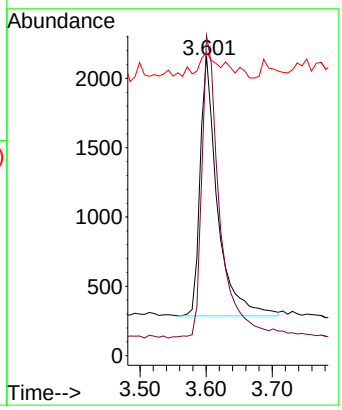


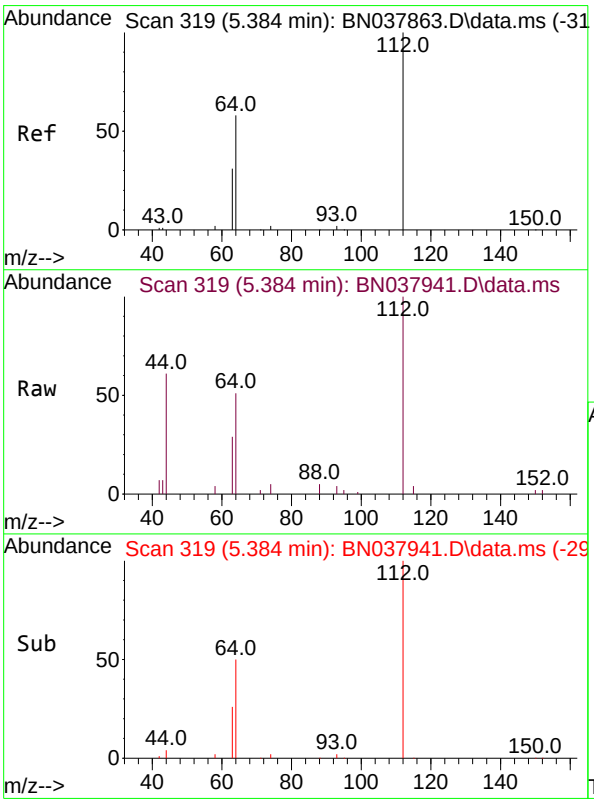
#3
n-Nitrosodimethylamine
Concen: 0.360 ng
RT: 3.600 min Scan# 7
Delta R.T. -0.000 min
Lab File: BN037941.D
Acq: 29 Sep 2025 18:46

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 42 Resp: 3409

Ion	Ratio	Lower	Upper
42	100		
74	122.8	93.4	140.0
44	15.1	22.2	33.4#

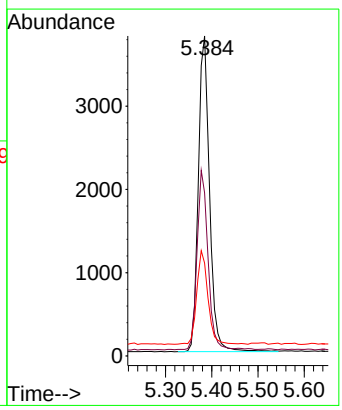


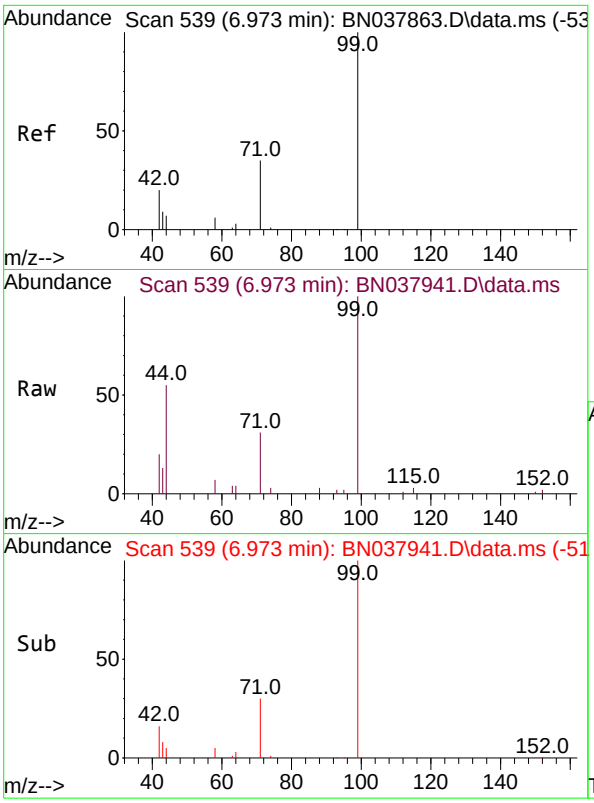


#4
2-Fluorophenol
Concen: 0.397 ng
RT: 5.384 min Scan# 319
Delta R.T. -0.000 min
Lab File: BN037941.D
Acq: 29 Sep 2025 18:46

Tgt Ion:112 Resp: 6365

Ion	Ratio	Lower	Upper
112	100		
64	55.3	44.6	66.8
63	29.6	24.9	37.3



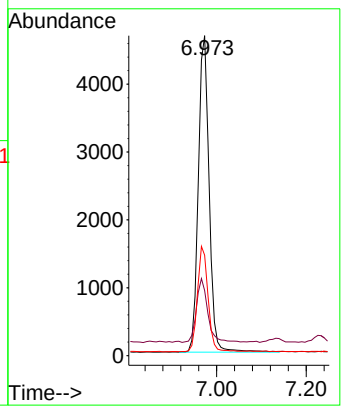


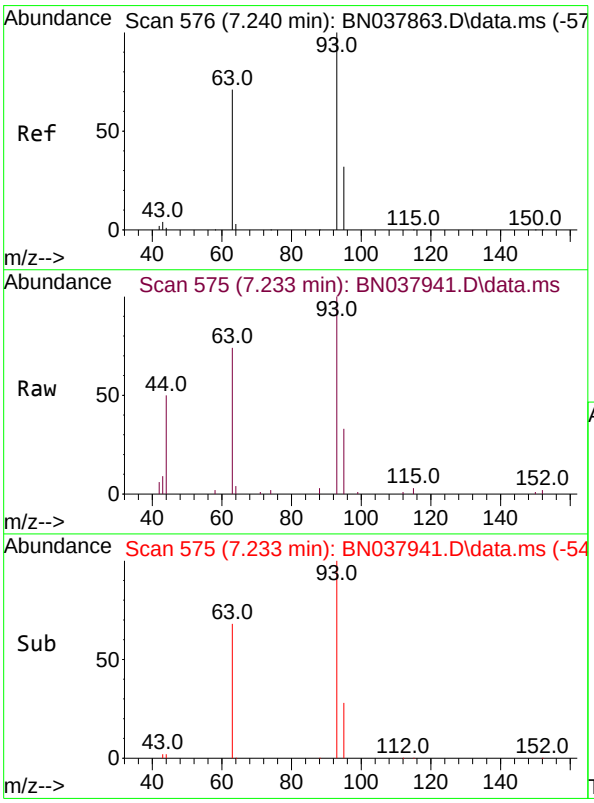
#5
Phenol-d6
Concen: 0.370 ng
RT: 6.973 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN037941.D
Acq: 29 Sep 2025 18:46

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 99 Resp: 7788

Ion	Ratio	Lower	Upper
99	100		
42	21.4	17.2	25.8
71	32.7	27.3	40.9

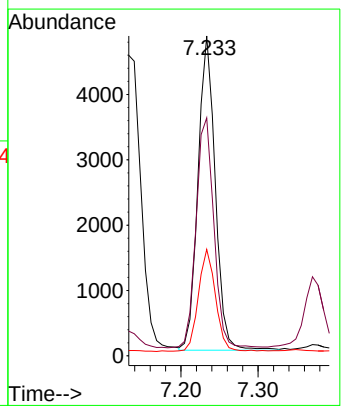


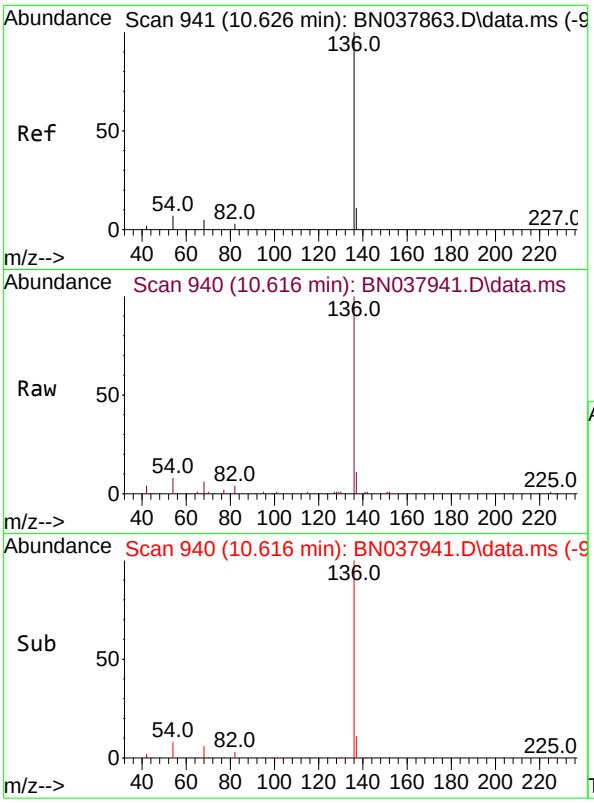


#6
bis(2-Chloroethyl)ether
Concen: 0.382 ng
RT: 7.233 min Scan# 575
Delta R.T. -0.007 min
Lab File: BN037941.D
Acq: 29 Sep 2025 18:46

Tgt Ion: 93 Resp: 7470

Ion	Ratio	Lower	Upper
93	100		
63	75.2	60.1	90.1
95	32.4	25.4	38.2



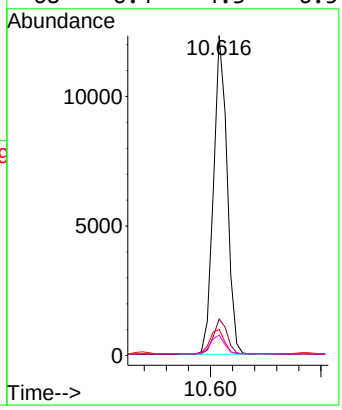


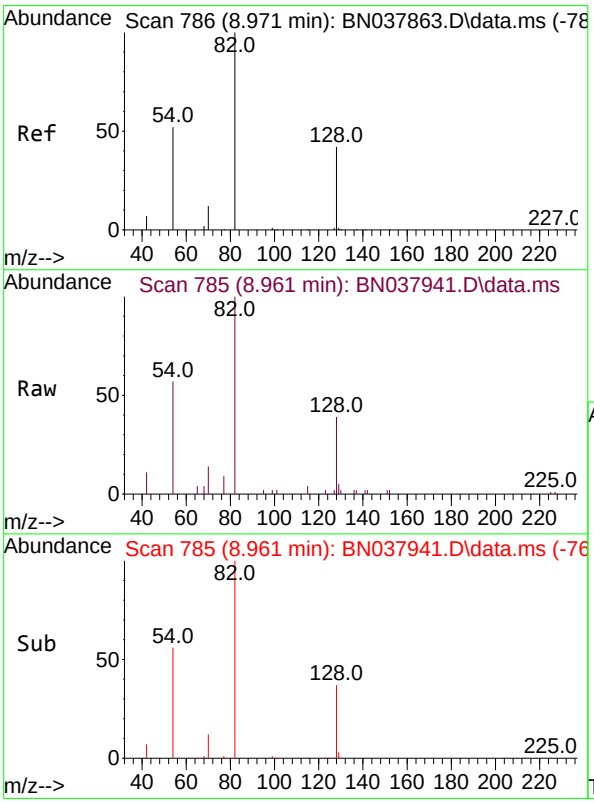
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.616 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037941.D
Acq: 29 Sep 2025 18:46

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:136 Resp: 21039

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.0	13.4
54	8.2	5.8	8.8
68	6.4	4.3	6.5

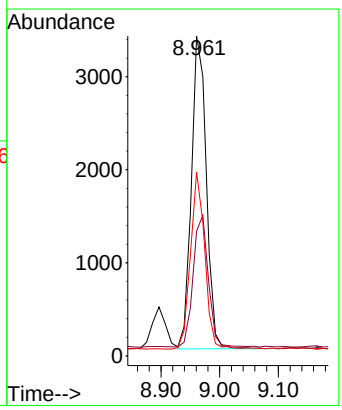


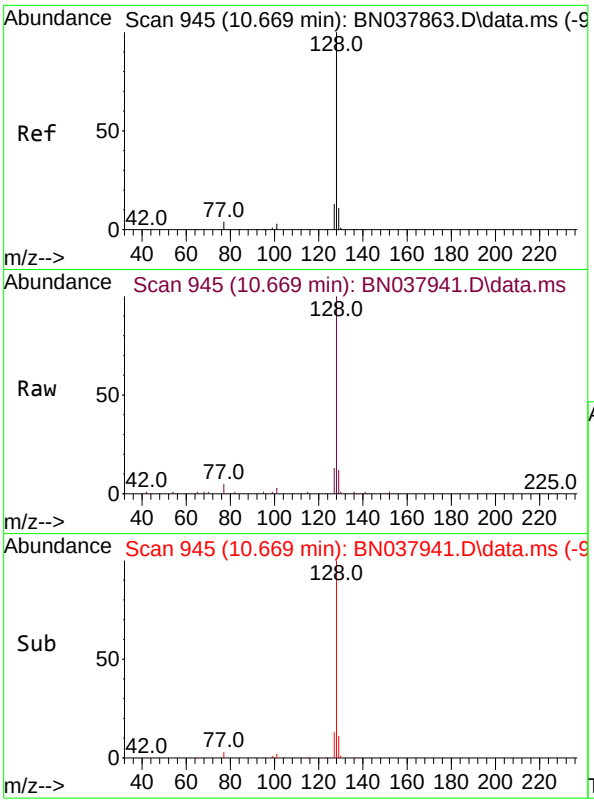


#8
Nitrobenzene-d5
Concen: 0.369 ng
RT: 8.961 min Scan# 785
Delta R.T. -0.011 min
Lab File: BN037941.D
Acq: 29 Sep 2025 18:46

Tgt Ion: 82 Resp: 5923

Ion	Ratio	Lower	Upper
82	100		
128	39.1	34.8	52.2
54	57.5	42.2	63.2



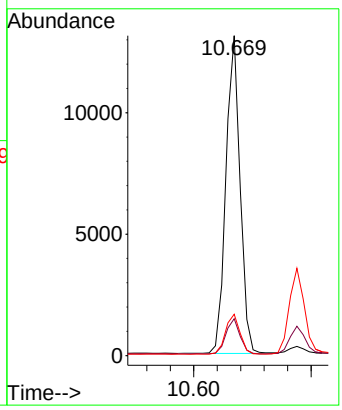


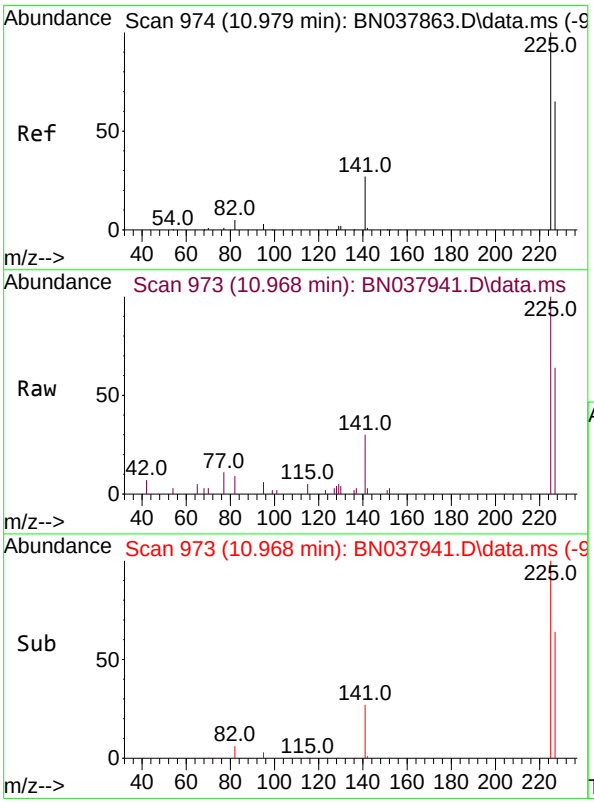
#9
Naphthalene
Concen: 0.379 ng
RT: 10.669 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN037941.D
Acq: 29 Sep 2025 18:46

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:128 Resp: 21956

Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.2	13.8
127	12.9	11.0	16.6

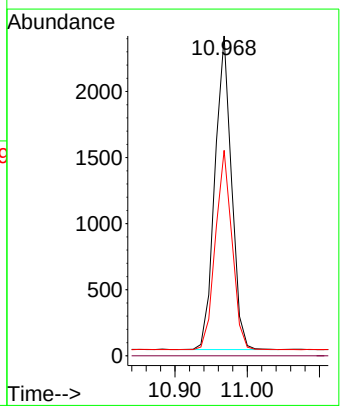


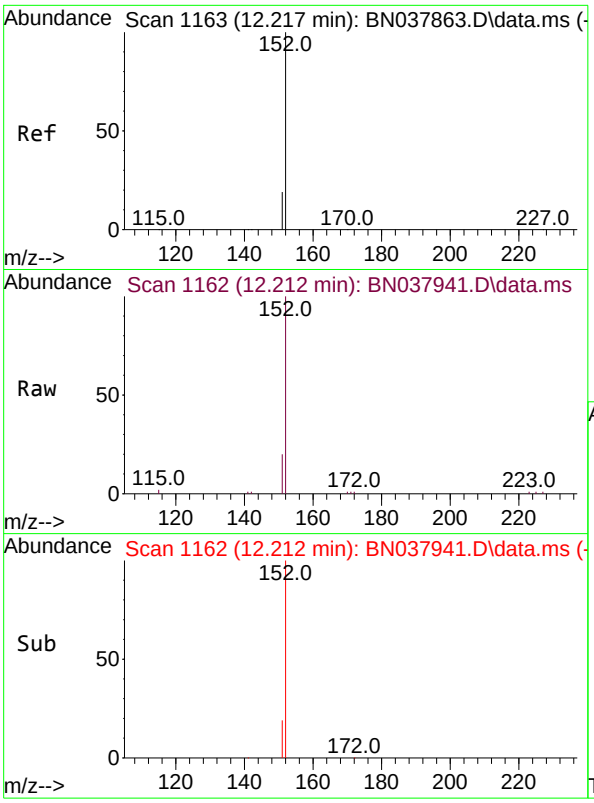


#10
Hexachlorobutadiene
Concen: 0.385 ng
RT: 10.968 min Scan# 973
Delta R.T. -0.011 min
Lab File: BN037941.D
Acq: 29 Sep 2025 18:46

Tgt Ion:225 Resp: 3803

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.7	51.4	77.2



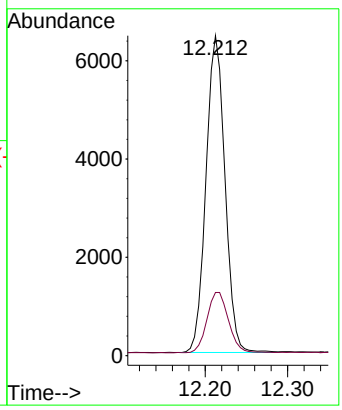


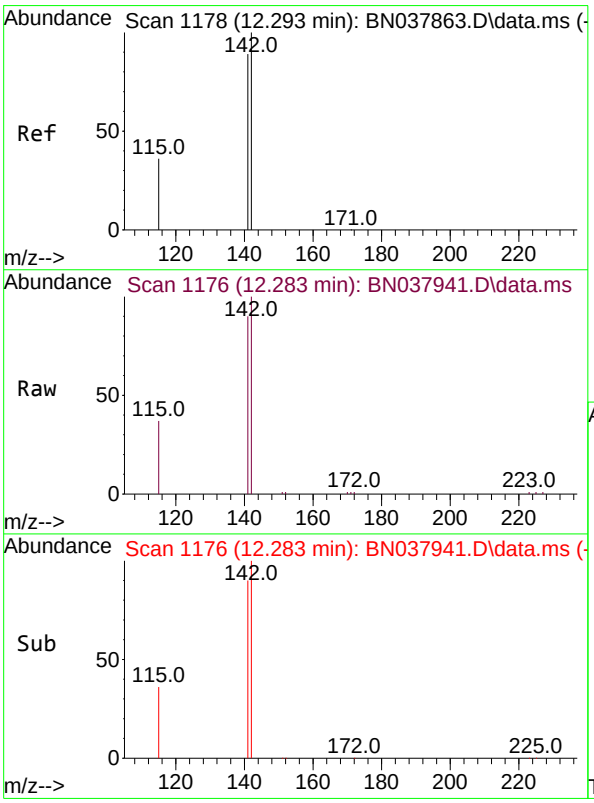
#11
2-Methylnaphthalene-d10
Concen: 0.353 ng
RT: 12.212 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN037941.D
Acq: 29 Sep 2025 18:46

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 10319

Ion	Ratio	Lower	Upper
152	100		
151	21.7	17.4	26.2

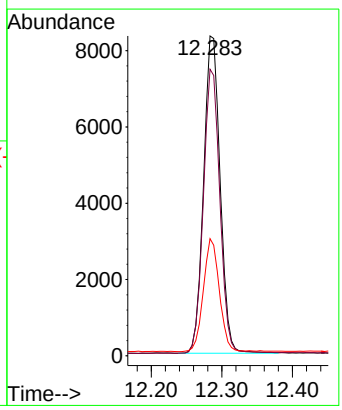


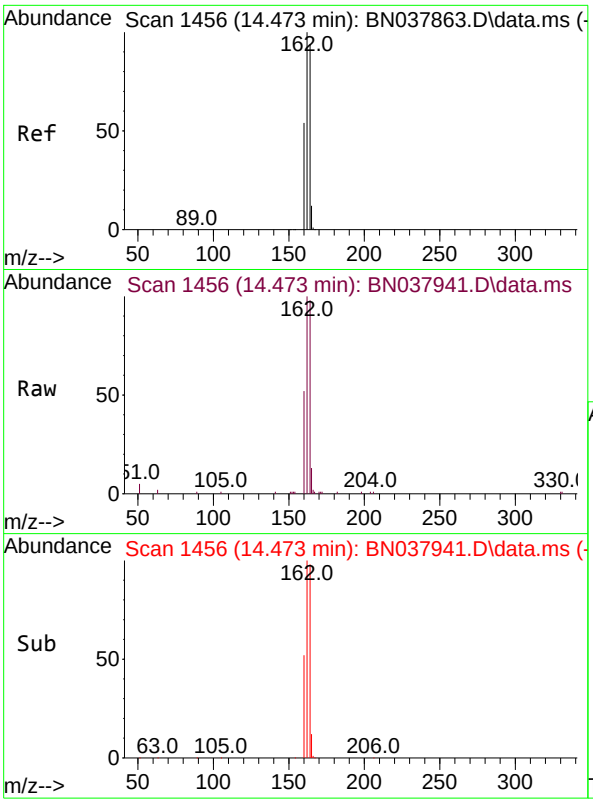


#12
2-Methylnaphthalene
Concen: 0.357 ng
RT: 12.283 min Scan# 1176
Delta R.T. -0.010 min
Lab File: BN037941.D
Acq: 29 Sep 2025 18:46

Tgt Ion:142 Resp: 13524

Ion	Ratio	Lower	Upper
142	100		
141	89.6	71.2	106.8
115	36.6	29.7	44.5



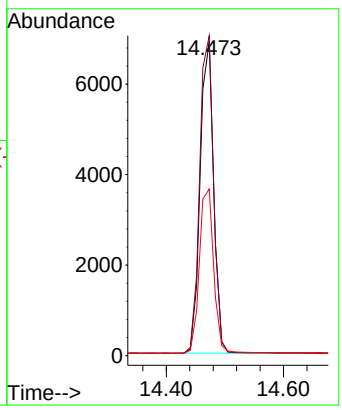


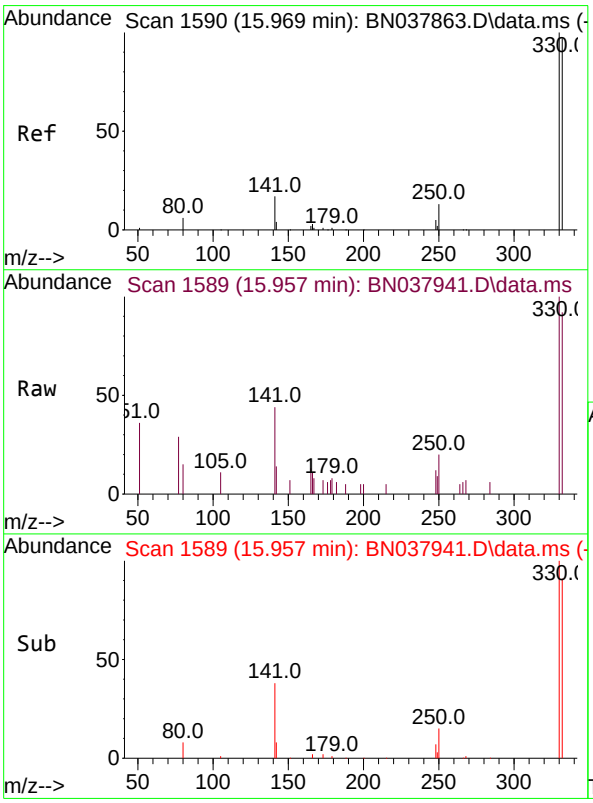
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.473 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN037941.D
Acq: 29 Sep 2025 18:46

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:164 Resp: 10932

Ion	Ratio	Lower	Upper
164	100		
162	101.8	84.8	127.2
160	53.0	46.1	69.1

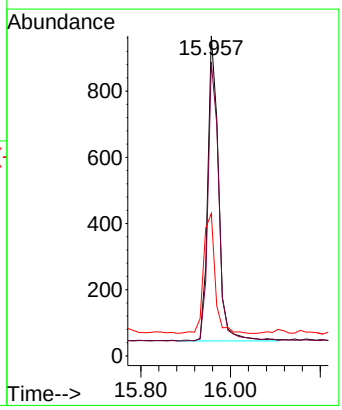


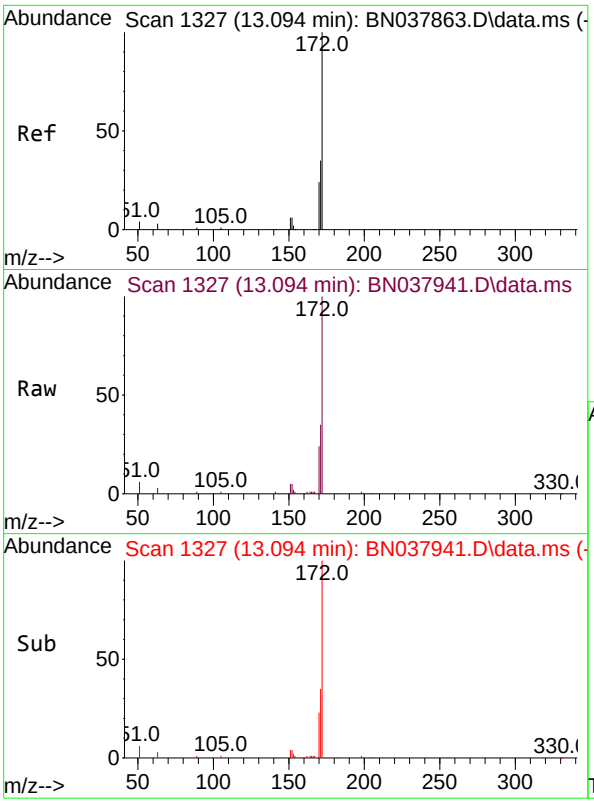


#14
2,4,6-Tribromophenol
Concen: 0.373 ng
RT: 15.957 min Scan# 1589
Delta R.T. -0.012 min
Lab File: BN037941.D
Acq: 29 Sep 2025 18:46

Tgt Ion:330 Resp: 1548

Ion	Ratio	Lower	Upper
330	100		
332	92.6	77.2	115.8
141	41.6	37.2	55.8



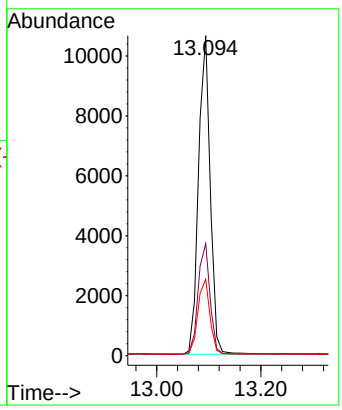


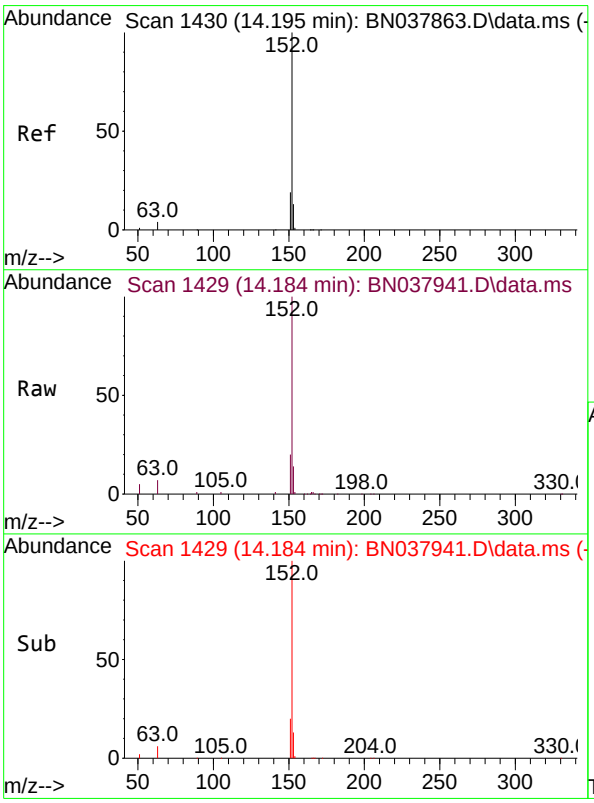
#15
2-Fluorobiphenyl
Concen: 0.369 ng
RT: 13.094 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037941.D
Acq: 29 Sep 2025 18:46

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:172 Resp: 16535

Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.6	43.0
170	23.9	19.7	29.5

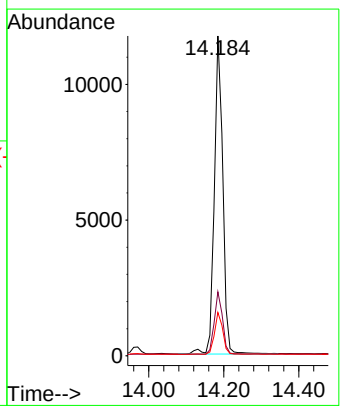


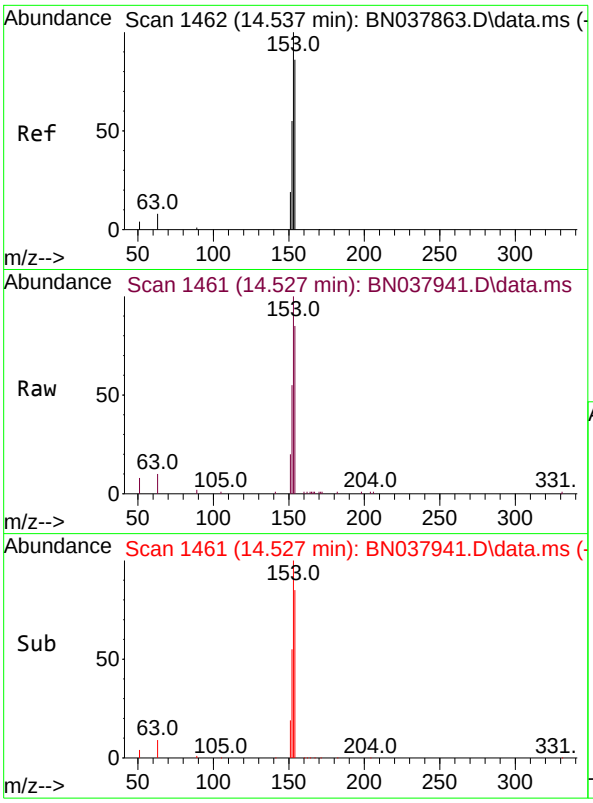


#16
Acenaphthylene
Concen: 0.370 ng
RT: 14.184 min Scan# 1429
Delta R.T. -0.011 min
Lab File: BN037941.D
Acq: 29 Sep 2025 18:46

Tgt Ion:152 Resp: 18342

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.8	23.8
153	12.8	10.5	15.7



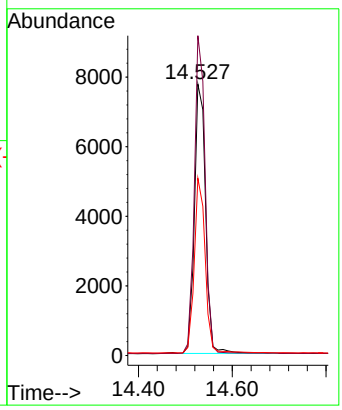


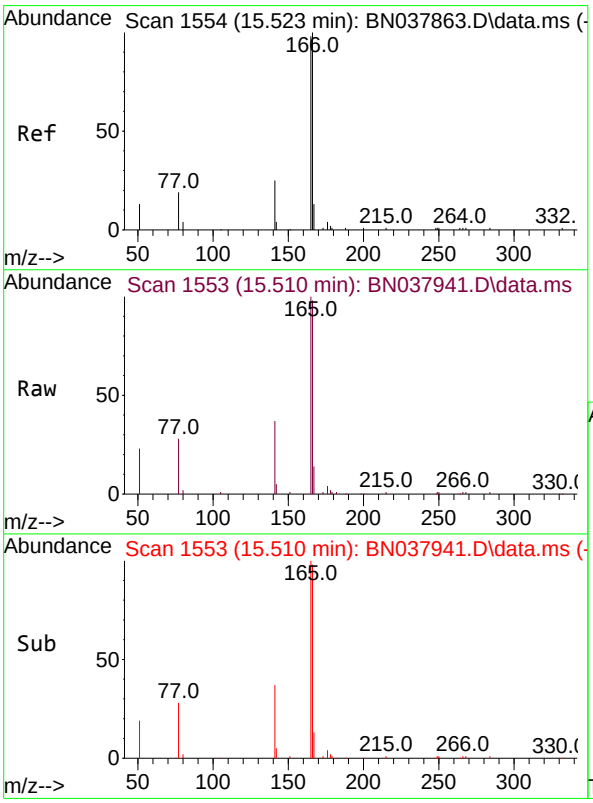
#17
Acenaphthene
Concen: 0.361 ng
RT: 14.527 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN037941.D
Acq: 29 Sep 2025 18:46

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:154 Resp: 12782

Ion	Ratio	Lower	Upper
154	100		
153	114.0	90.5	135.7
152	63.8	51.8	77.8

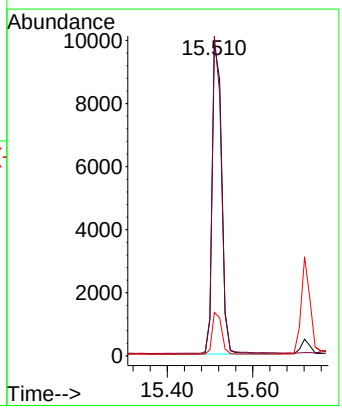


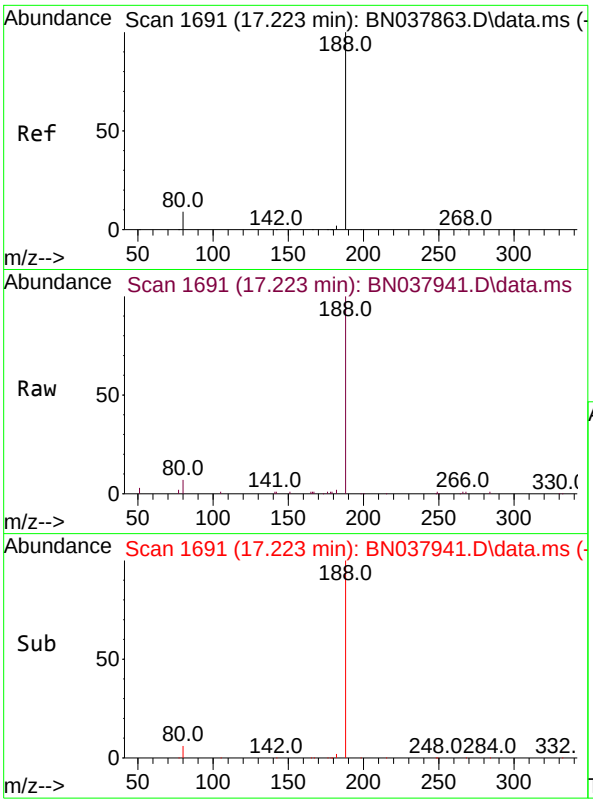


#18
Fluorene
Concen: 0.351 ng
RT: 15.510 min Scan# 1553
Delta R.T. -0.012 min
Lab File: BN037941.D
Acq: 29 Sep 2025 18:46

Tgt Ion:166 Resp: 15023

Ion	Ratio	Lower	Upper
166	100		
165	100.4	79.0	118.4
167	13.1	10.6	16.0



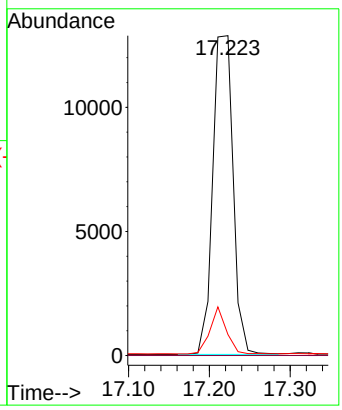


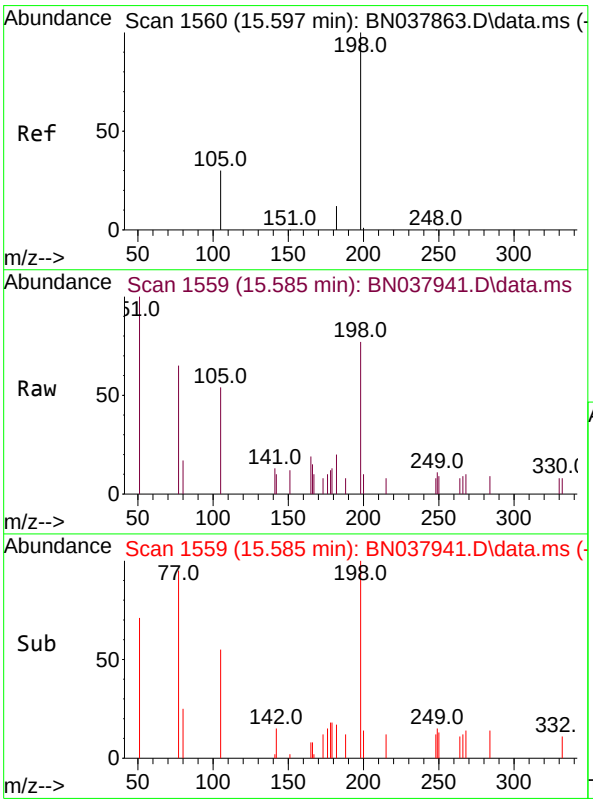
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.223 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037941.D
Acq: 29 Sep 2025 18:46

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:188 Resp: 22475

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.6	7.6	11.4#

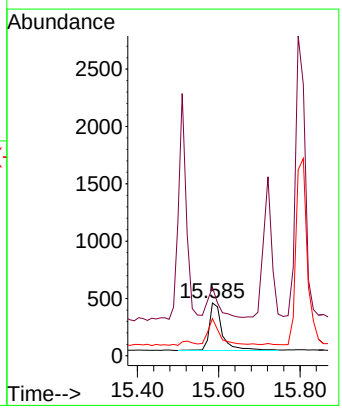


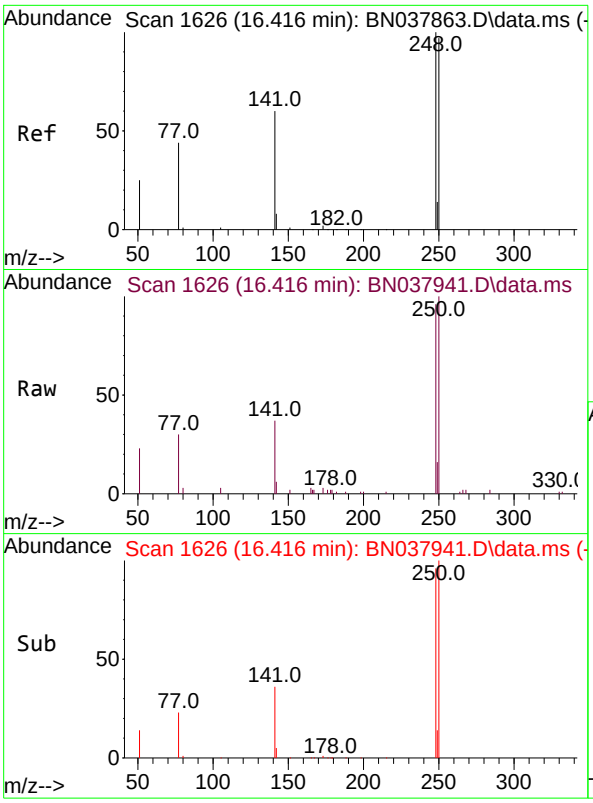


#20
4,6-Dinitro-2-methylphenol
Concen: 0.384 ng
RT: 15.585 min Scan# 1559
Delta R.T. -0.012 min
Lab File: BN037941.D
Acq: 29 Sep 2025 18:46

Tgt Ion:198 Resp: 913

Ion	Ratio	Lower	Upper
198	100		
51	129.5	59.1	88.7#
105	70.5	41.3	61.9#



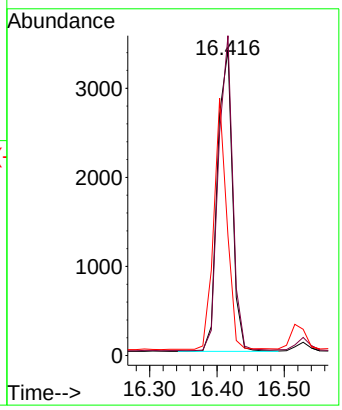


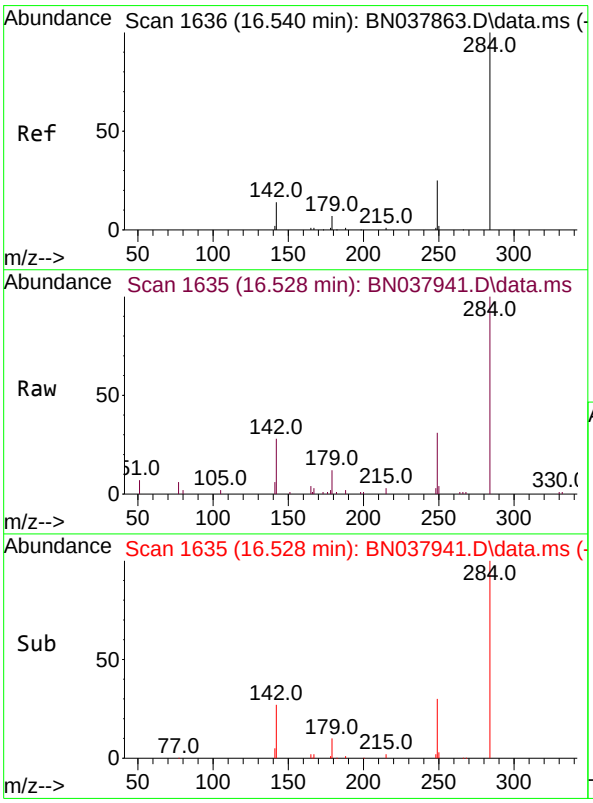
#21
4-Bromophenyl-phenylether
Concen: 0.357 ng
RT: 16.416 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037941.D
Acq: 29 Sep 2025 18:46

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:248 Resp: 5227

Ion	Ratio	Lower	Upper
248	100		
250	104.6	77.6	116.4
141	39.2	48.8	73.2#

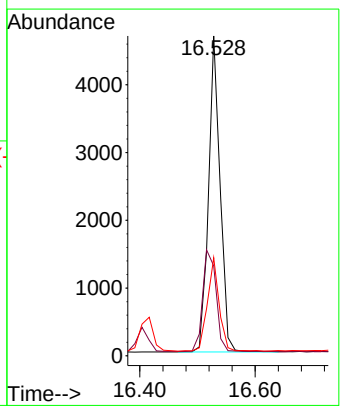


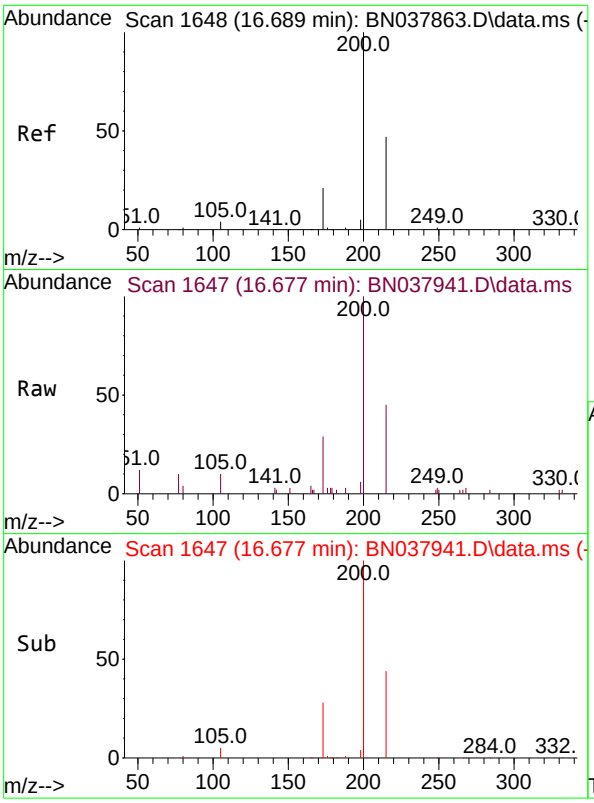


#22
Hexachlorobenzene
Concen: 0.368 ng
RT: 16.528 min Scan# 1635
Delta R.T. -0.012 min
Lab File: BN037941.D
Acq: 29 Sep 2025 18:46

Tgt Ion:284 Resp: 6526

Ion	Ratio	Lower	Upper
284	100		
142	37.4	30.9	46.3
249	30.2	23.9	35.9



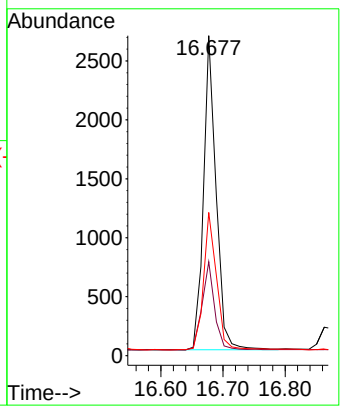


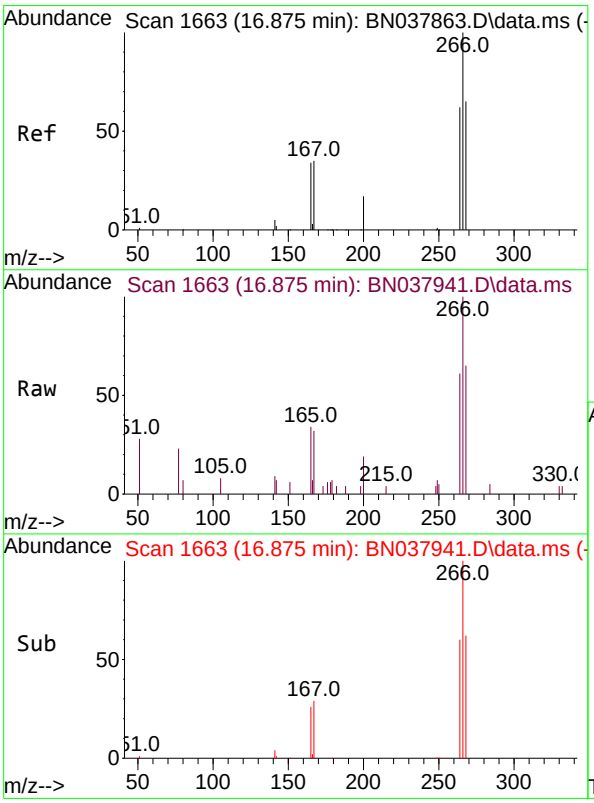
#23
Atrazine
Concen: 0.334 ng
RT: 16.677 min Scan# 1(
Delta R.T. -0.012 min
Lab File: BN037941.D
Acq: 29 Sep 2025 18:46

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:200 Resp: 3730

Ion	Ratio	Lower	Upper
200	100		
173	29.3	18.3	27.5#
215	44.7	38.6	58.0

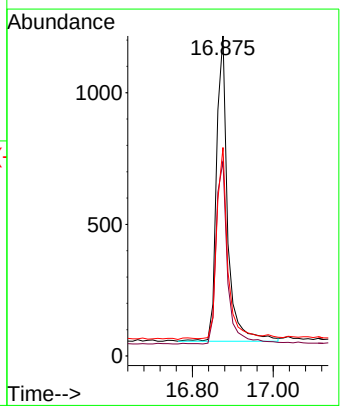


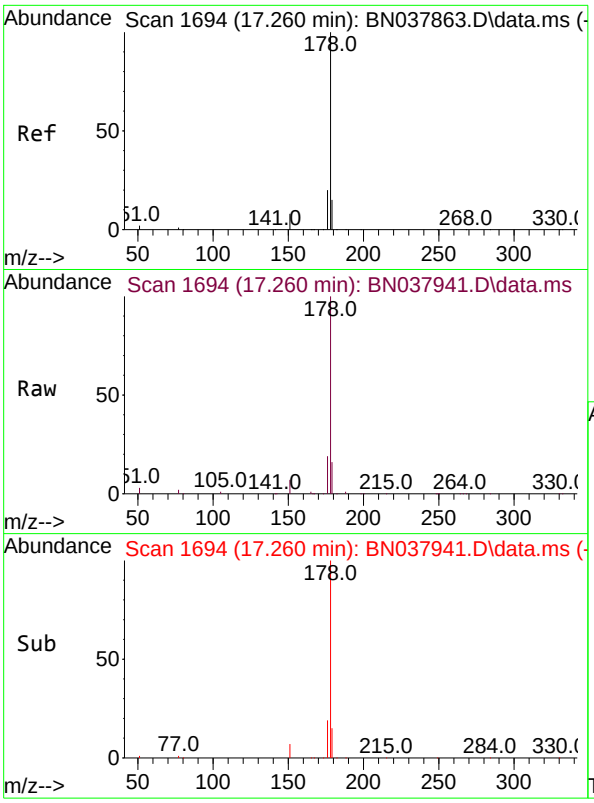


#24
Pentachlorophenol
Concen: 0.364 ng
RT: 16.875 min Scan# 1663
Delta R.T. 0.000 min
Lab File: BN037941.D
Acq: 29 Sep 2025 18:46

Tgt Ion:266 Resp: 2216

Ion	Ratio	Lower	Upper
266	100		
264	61.8	50.9	76.3
268	62.3	54.3	81.5



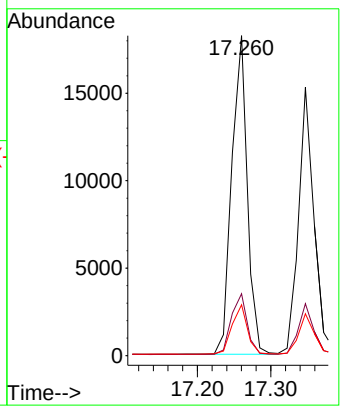


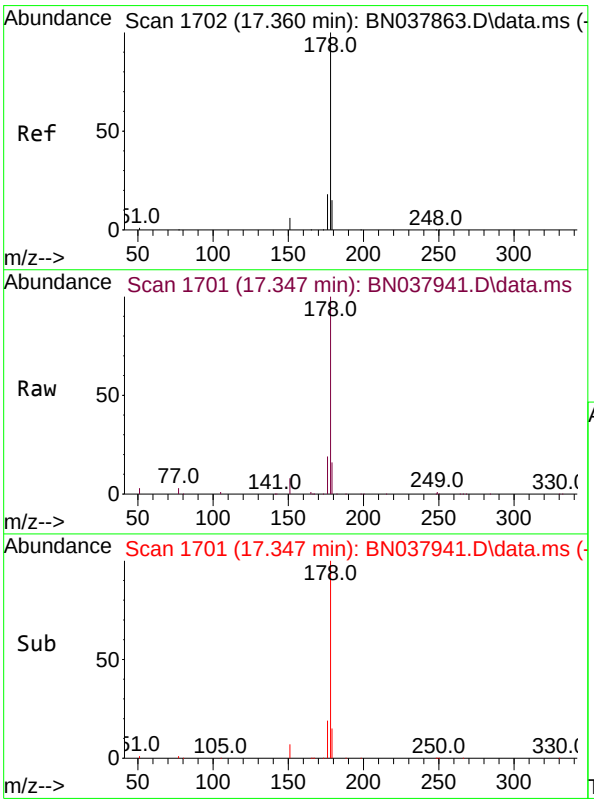
#25
Phenanthrene
Concen: 0.363 ng
RT: 17.260 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037941.D
Acq: 29 Sep 2025 18:46

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:178 Resp: 26836

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.7	23.5
179	15.5	12.3	18.5

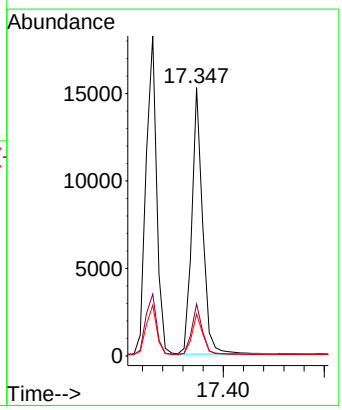


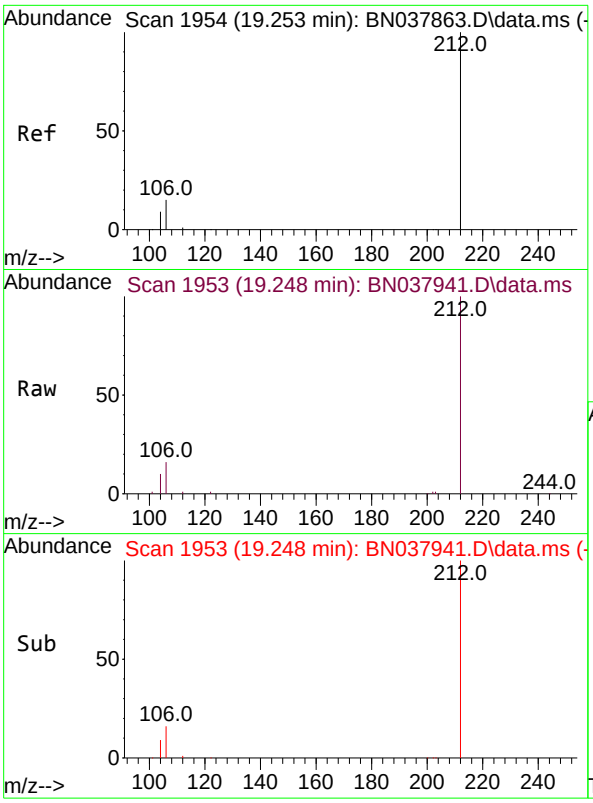


#26
Anthracene
Concen: 0.353 ng
RT: 17.347 min Scan# 1701
Delta R.T. -0.012 min
Lab File: BN037941.D
Acq: 29 Sep 2025 18:46

Tgt Ion:178 Resp: 22634

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.4
179	15.4	12.3	18.5



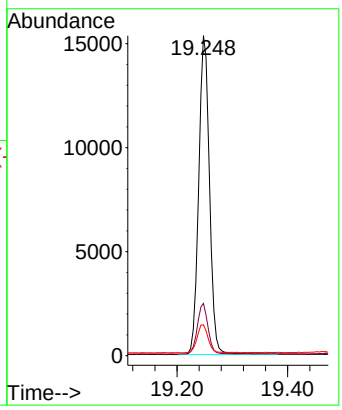


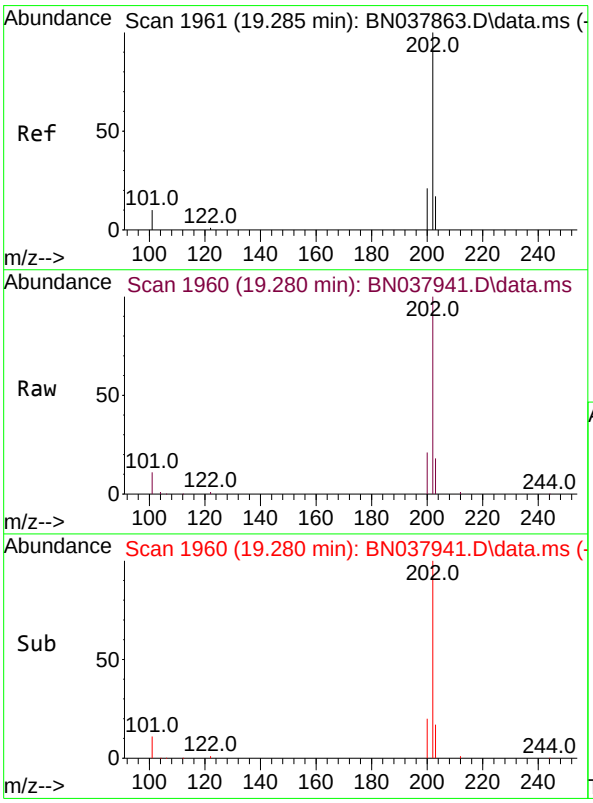
#27
Fluoranthene-d10
Concen: 0.363 ng
RT: 19.248 min Scan# 19
Delta R.T. -0.005 min
Lab File: BN037941.D
Acq: 29 Sep 2025 18:46

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:212 Resp: 20532

Ion	Ratio	Lower	Upper
212	100		
106	15.7	12.6	19.0
104	9.0	7.4	11.0

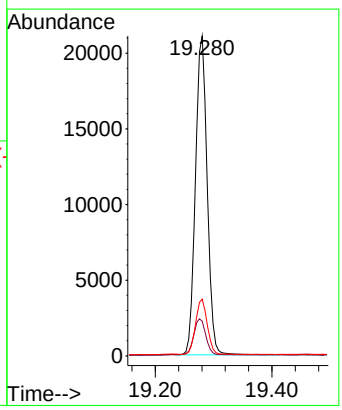


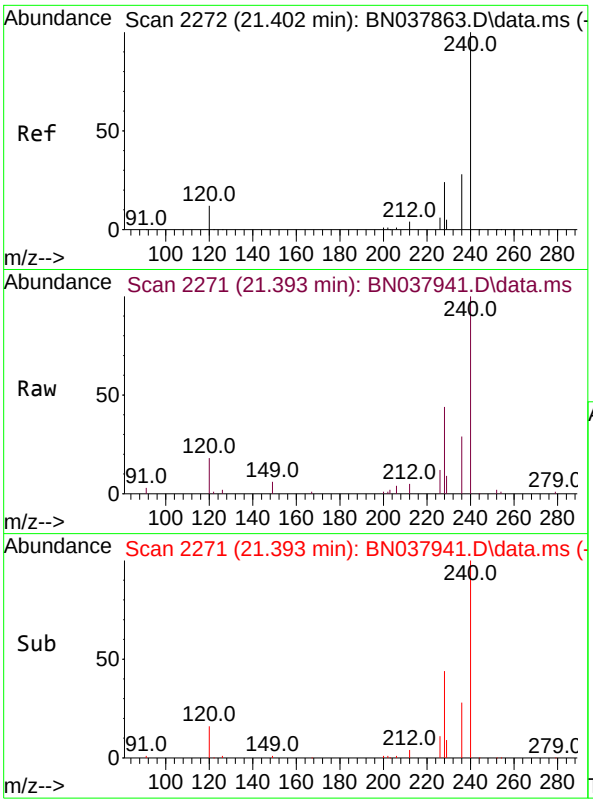


#28
Fluoranthene
Concen: 0.360 ng
RT: 19.280 min Scan# 1960
Delta R.T. -0.005 min
Lab File: BN037941.D
Acq: 29 Sep 2025 18:46

Tgt Ion:202 Resp: 29296

Ion	Ratio	Lower	Upper
202	100		
101	11.6	9.3	13.9
203	17.2	13.6	20.4



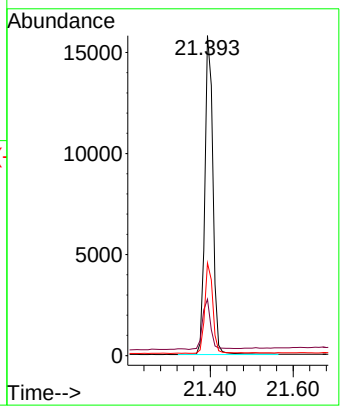


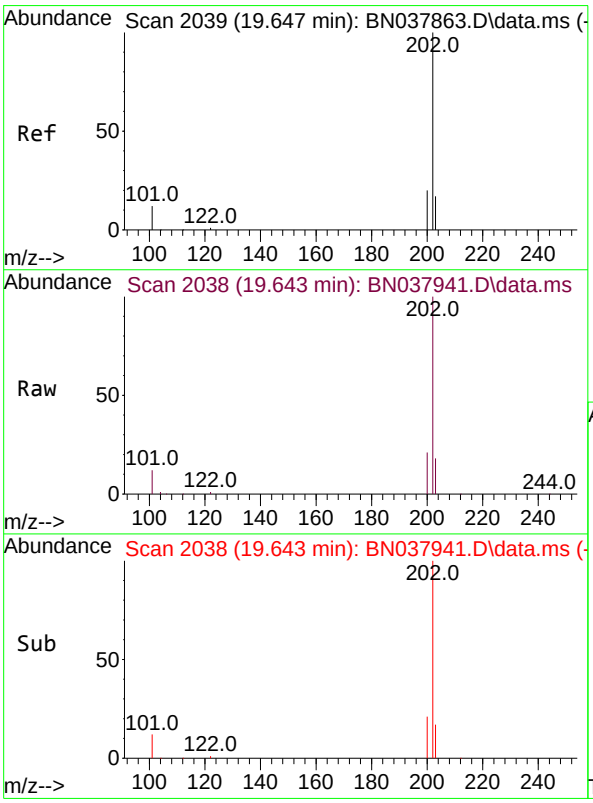
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.393 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN037941.D
Acq: 29 Sep 2025 18:46

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:240 Resp: 21191

Ion	Ratio	Lower	Upper
240	100		
120	17.6	11.4	17.2#
236	28.9	23.0	34.6

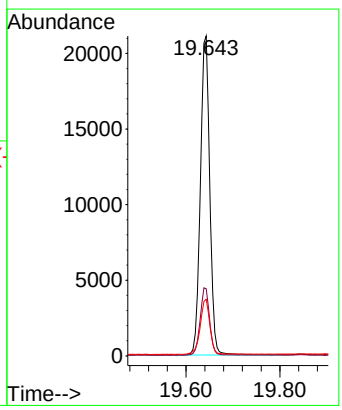


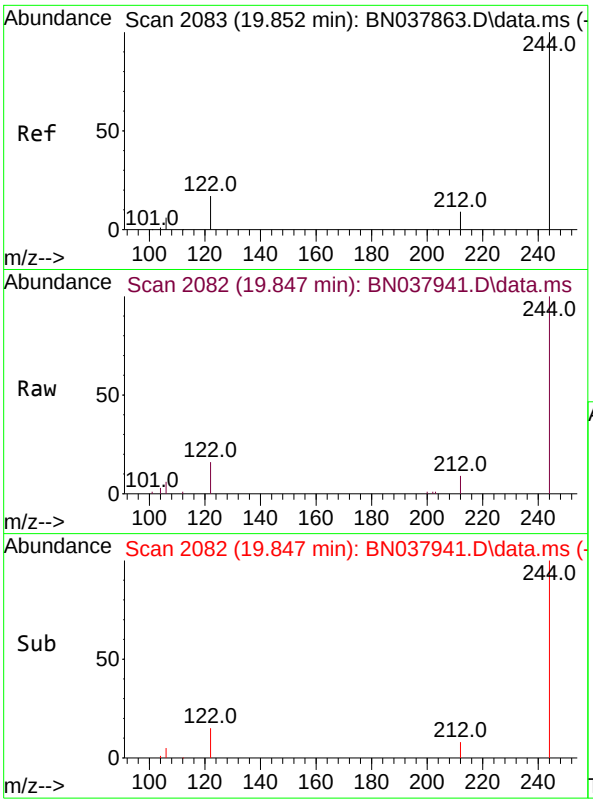


#30
Pyrene
Concen: 0.351 ng
RT: 19.643 min Scan# 2038
Delta R.T. -0.005 min
Lab File: BN037941.D
Acq: 29 Sep 2025 18:46

Tgt Ion:202 Resp: 29327

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.7	25.1
203	17.6	14.2	21.4



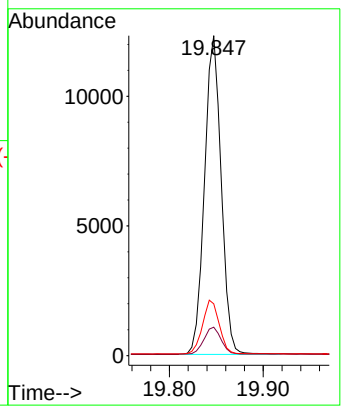


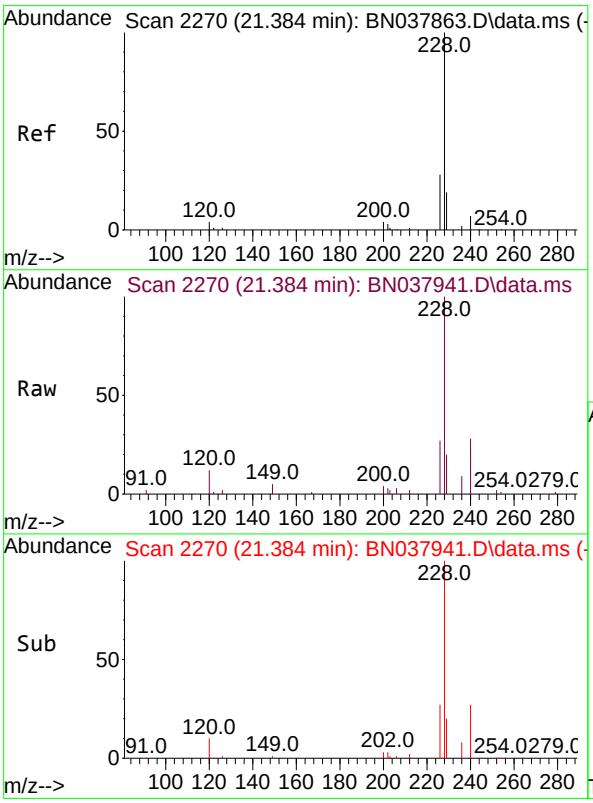
#31
Terphenyl-d14
Concen: 0.359 ng
RT: 19.847 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN037941.D
Acq: 29 Sep 2025 18:46

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:244 Resp: 15173

Ion	Ratio	Lower	Upper
244	100		
212	8.9	7.6	11.4
122	16.2	13.9	20.9

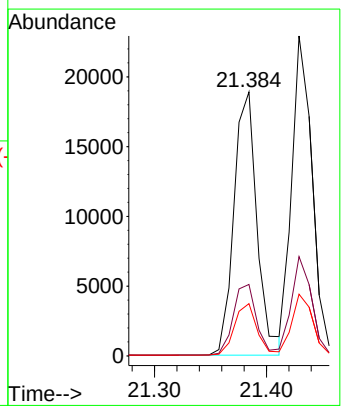


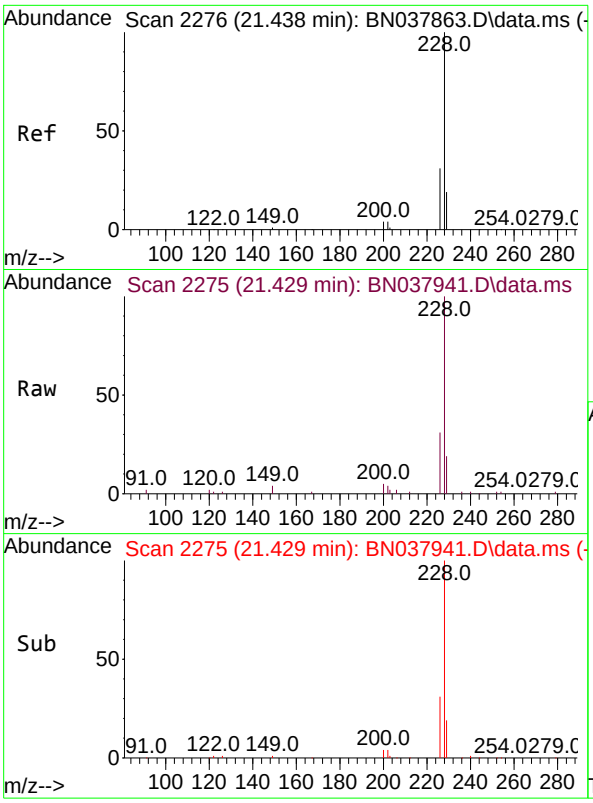


#32
Benzo(a)anthracene
Concen: 0.366 ng
RT: 21.384 min Scan# 2270
Delta R.T. -0.000 min
Lab File: BN037941.D
Acq: 29 Sep 2025 18:46

Tgt Ion:228 Resp: 27101

Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.6	33.8
229	19.8	15.6	23.4



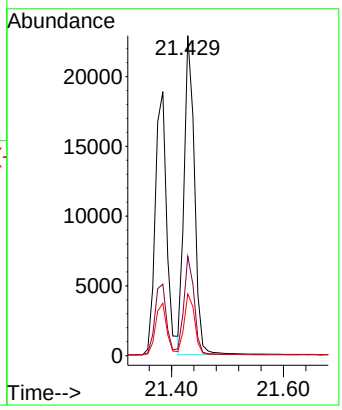


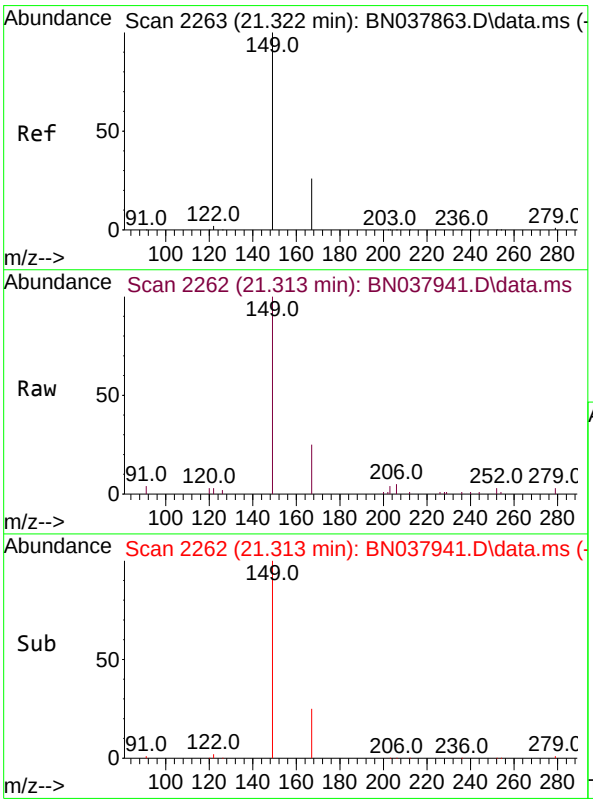
#33
Chrysene
Concen: 0.367 ng
RT: 21.429 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037941.D
Acq: 29 Sep 2025 18:46

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:228 Resp: 29366

Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.6	37.0
229	19.3	15.6	23.4

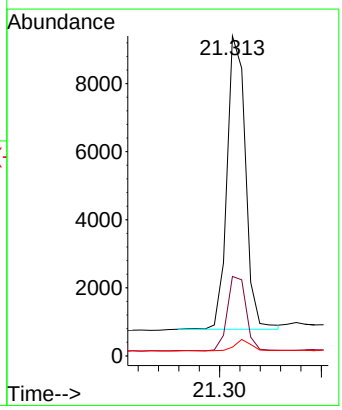


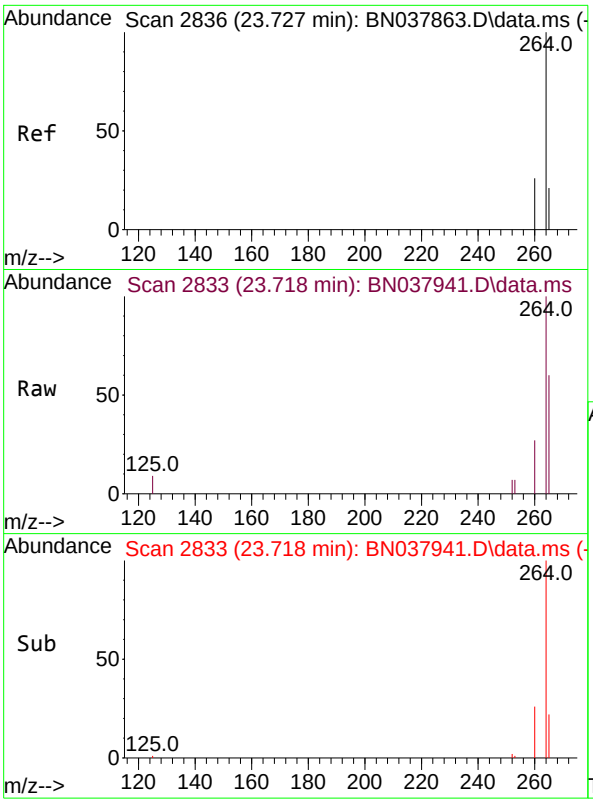


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.370 ng
RT: 21.313 min Scan# 2262
Delta R.T. -0.009 min
Lab File: BN037941.D
Acq: 29 Sep 2025 18:46

Tgt Ion:149 Resp: 10848

Ion	Ratio	Lower	Upper
149	100		
167	26.1	20.4	30.6
279	3.4	2.4	3.6



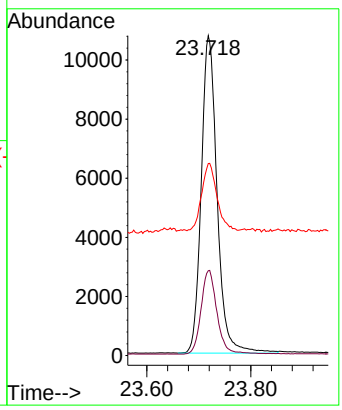


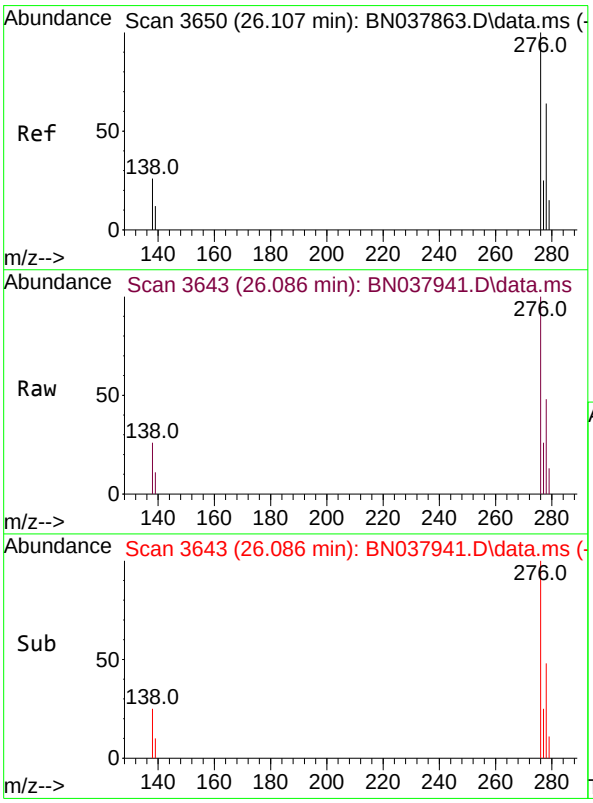
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.718 min Scan# 28
Delta R.T. -0.009 min
Lab File: BN037941.D
Acq: 29 Sep 2025 18:46

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:264 Resp: 22679

Ion	Ratio	Lower	Upper
264	100		
260	26.5	21.5	32.3
265	60.0	53.8	80.6

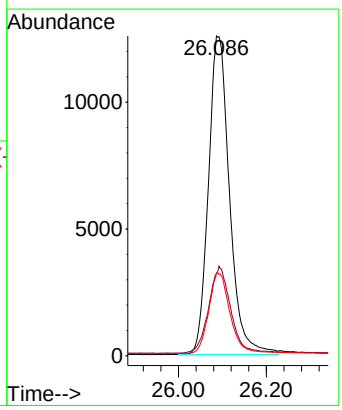


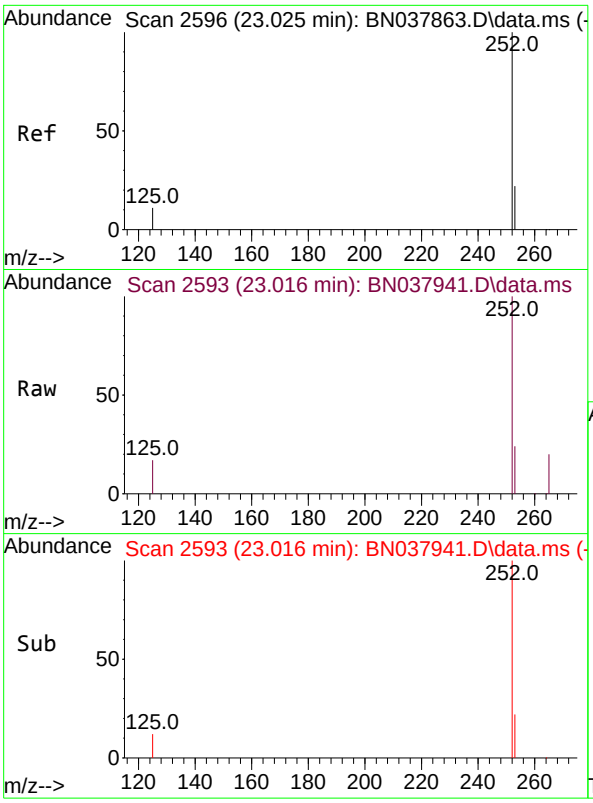


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.404 ng
RT: 26.086 min Scan# 3643
Delta R.T. -0.020 min
Lab File: BN037941.D
Acq: 29 Sep 2025 18:46

Tgt Ion:276 Resp: 41916

Ion	Ratio	Lower	Upper
276	100		
138	28.1	21.4	32.0
277	25.3	20.3	30.5



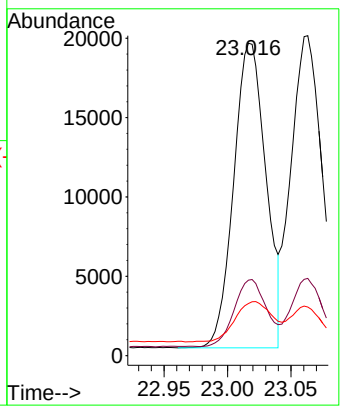


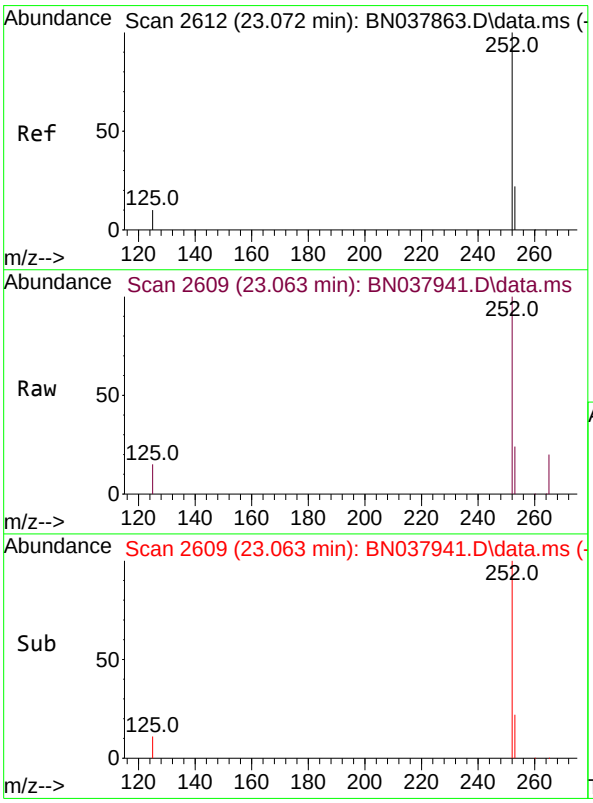
#37
Benzo(b)fluoranthene
Concen: 0.347 ng
RT: 23.016 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037941.D
Acq: 29 Sep 2025 18:46

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 33935

Ion	Ratio	Lower	Upper
252	100		
253	24.1	19.4	29.0
125	16.7	13.0	19.4

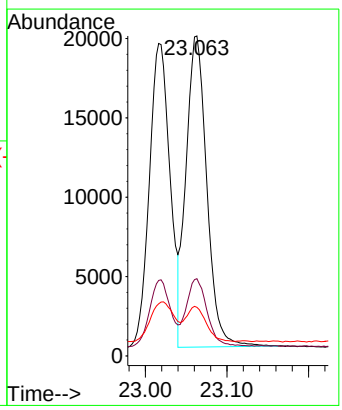


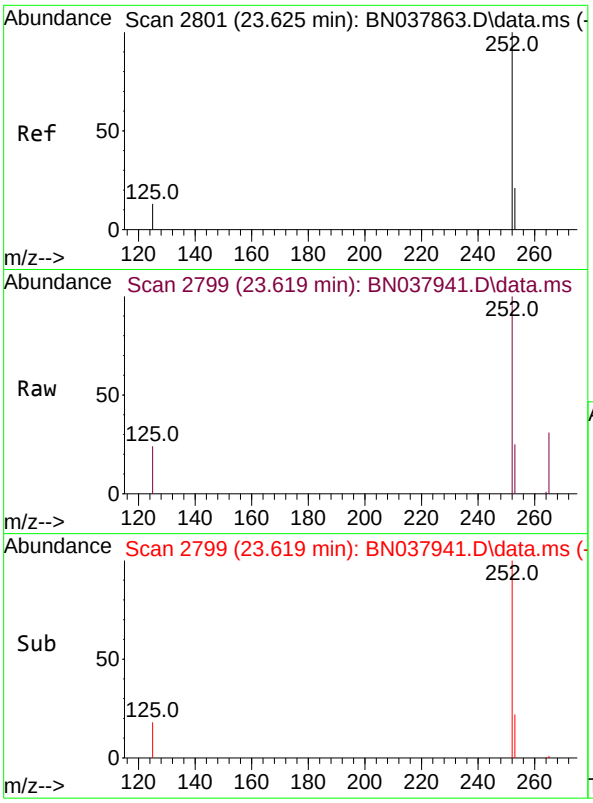


#38
Benzo(k)fluoranthene
Concen: 0.352 ng
RT: 23.063 min Scan# 2609
Delta R.T. -0.009 min
Lab File: BN037941.D
Acq: 29 Sep 2025 18:46

Tgt Ion:252 Resp: 34641

Ion	Ratio	Lower	Upper
252	100		
253	24.1	19.5	29.3
125	15.2	13.0	19.4



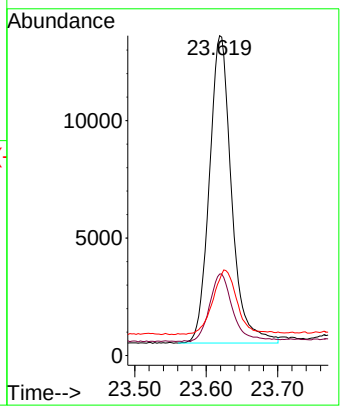


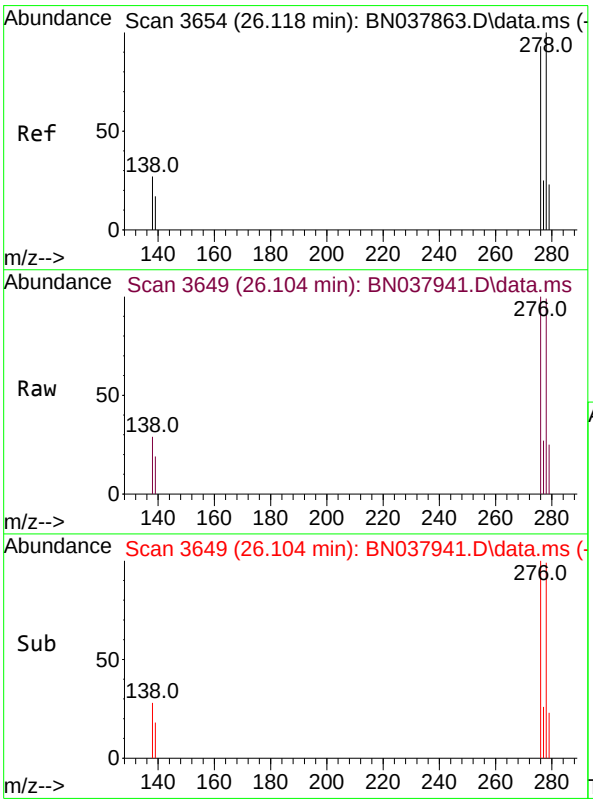
#39
Benzo(a)pyrene
Concen: 0.366 ng
RT: 23.619 min Scan# 2
Delta R.T. -0.006 min
Lab File: BN037941.D
Acq: 29 Sep 2025 18:46

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 28276

Ion	Ratio	Lower	Upper
252	100		
253	25.5	20.6	30.8
125	23.7	16.7	25.1

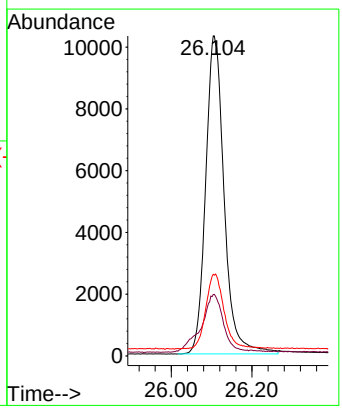


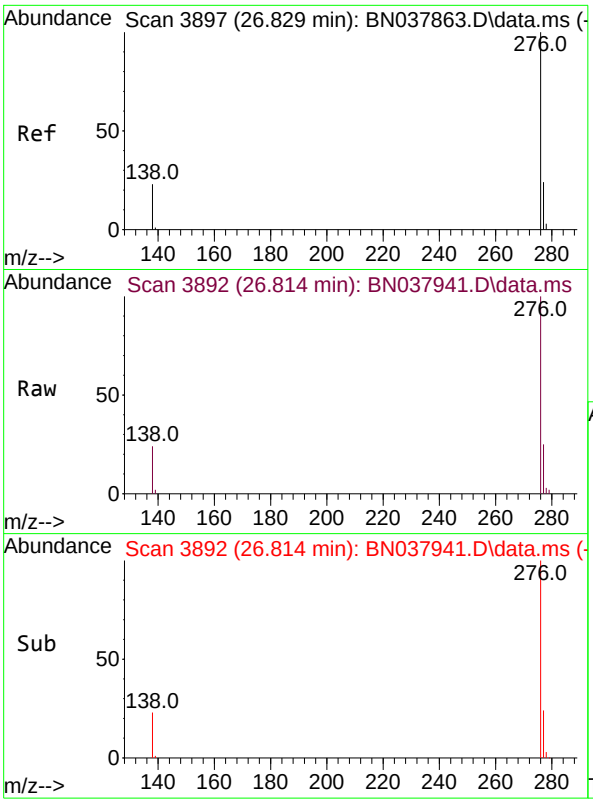


#40
Dibenzo(a,h)anthracene
Concen: 0.406 ng
RT: 26.104 min Scan# 3649
Delta R.T. -0.015 min
Lab File: BN037941.D
Acq: 29 Sep 2025 18:46

Tgt Ion:278 Resp: 32843

Ion	Ratio	Lower	Upper
278	100		
139	19.2	15.4	23.2
279	25.5	20.8	31.2



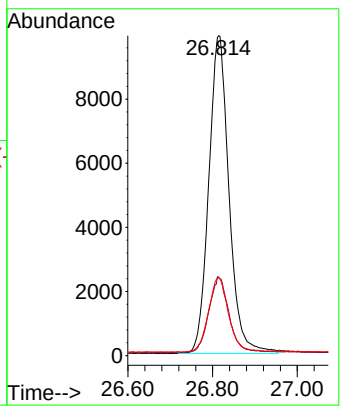


#41
Benzo(g,h,i)perylene
Concen: 0.387 ng
RT: 26.814 min Scan# 3
Delta R.T. -0.015 min
Lab File: BN037941.D
Acq: 29 Sep 2025 18:46

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 32940

Ion	Ratio	Lower	Upper
276	100		
277	24.6	20.2	30.4
138	24.2	19.8	29.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092925\
Data File : BN037941.D
Acq On : 29 Sep 2025 18:46
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Quant Time: Sep 29 19:10:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 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	126	0.00
2		1,4-Dioxane	0.406	0.382	5.9	117	0.00
3		n-Nitrosodimethylamine	0.540	0.486	10.0	118	0.00
4	S	2-Fluorophenol	0.913	0.907	0.7	133	0.00
5	S	Phenol-d6	1.199	1.110	7.4	125	0.00
6		bis(2-Chloroethyl)ether	1.113	1.064	4.4	124	0.00
7	I	Naphthalene-d8	1.000	1.000	0.0	133	-0.01
8	S	Nitrobenzene-d5	0.305	0.282	7.5	130	-0.01
9		Naphthalene	1.102	1.044	5.3	133	0.00
10		Hexachlorobutadiene	0.188	0.181	3.7	132	-0.01
11	SURR	2-Methylnaphthalene-d10	0.556	0.490	11.9	131	0.00
12		2-Methylnaphthalene	0.720	0.643	10.7	128	-0.01
13	I	Acenaphthene-d10	1.000	1.000	0.0	133	0.00
14	S	2,4,6-Tribromophenol	0.152	0.142	6.6	139	-0.01
15	S	2-Fluorobiphenyl	1.638	1.513	7.6	129	0.00
16		Acenaphthylene	1.816	1.678	7.6	134	-0.01
17		Acenaphthene	1.294	1.169	9.7	129	-0.01
18		Fluorene	1.565	1.374	12.2	125	-0.01
19	I	Phenanthrene-d10	1.000	1.000	0.0	141	0.00
20		4,6-Dinitro-2-methylphenol	0.057	0.041	28.1#	131	-0.01
21		4-Bromophenyl-phenylether	0.261	0.233	10.7	134	0.00
22		Hexachlorobenzene	0.316	0.290	8.2	134	-0.01
23		Atrazine	0.199	0.166	16.6	136	-0.01
24		Pentachlorophenol	0.108	0.099	8.3	151#	0.00
25		Phenanthrene	1.316	1.194	9.3	137	0.00
26		Anthracene	1.142	1.007	11.8	139	-0.01
27	SURR	Fluoranthene-d10	1.006	0.914	9.1	145	0.00
28		Fluoranthene	1.450	1.303	10.1	140	0.00
29	I	Chrysene-d12	1.000	1.000	0.0	156#	0.00
30		Pyrene	1.579	1.384	12.3	142	0.00
31	S	Terphenyl-d14	0.797	0.716	10.2	148	0.00
32		Benzo(a)anthracene	1.398	1.279	8.5	154#	0.00
33		Chrysene	1.512	1.386	8.3	148	0.00
34		Bis(2-ethylhexyl)phthalate	0.553	0.512	7.4	164#	0.00
35	I	Perylene-d12	1.000	1.000	0.0	180#	0.00
36		Indeno(1,2,3-cd)pyrene	1.828	1.848	-1.1	201#	-0.02
37		Benzo(b)fluoranthene	1.725	1.496	13.3	164#	0.00
38		Benzo(k)fluoranthene	1.736	1.527	12.0	172#	0.00
39	C	Benzo(a)pyrene	1.364	1.247	8.6	183#	0.00
40		Dibenzo(a,h)anthracene	1.427	1.448	-1.5	200#	-0.01
41		Benzo(g,h,i)perylene	1.499	1.452	3.1	187#	-0.01

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092925\
Data File : BN037941.D
Acq On : 29 Sep 2025 18:46
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Quant Time: Sep 29 19:10:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 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	126	0.00
2		1,4-Dioxane	0.400	0.377	5.8	117	0.00
3		n-Nitrosodimethylamine	0.400	0.360	10.0	118	0.00
4	S	2-Fluorophenol	0.400	0.397	0.8	133	0.00
5	S	Phenol-d6	0.400	0.370	7.5	125	0.00
6		bis(2-Chloroethyl)ether	0.400	0.382	4.5	124	0.00
7	I	Naphthalene-d8	0.400	0.400	0.0	133	-0.01
8	S	Nitrobenzene-d5	0.400	0.369	7.8	130	-0.01
9		Naphthalene	0.400	0.379	5.3	133	0.00
10		Hexachlorobutadiene	0.400	0.385	3.8	132	-0.01
11	SURR	2-Methylnaphthalene-d10	0.400	0.353	11.8	131	0.00
12		2-Methylnaphthalene	0.400	0.357	10.8	128	-0.01
13	I	Acenaphthene-d10	0.400	0.400	0.0	133	0.00
14	S	2,4,6-Tribromophenol	0.400	0.373	6.8	139	-0.01
15	S	2-Fluorobiphenyl	0.400	0.369	7.8	129	0.00
16		Acenaphthylene	0.400	0.370	7.5	134	-0.01
17		Acenaphthene	0.400	0.361	9.8	129	-0.01
18		Fluorene	0.400	0.351	12.3	125	-0.01
19	I	Phenanthrene-d10	0.400	0.400	0.0	141	0.00
20		4,6-Dinitro-2-methylphenol	0.400	0.384	4.0	131	-0.01
21		4-Bromophenyl-phenylether	0.400	0.357	10.8	134	0.00
22		Hexachlorobenzene	0.400	0.368	8.0	134	-0.01
23		Atrazine	0.400	0.334	16.5	136	-0.01
24		Pentachlorophenol	0.400	0.364	9.0	151	0.00
25		Phenanthrene	0.400	0.363	9.3	137	0.00
26		Anthracene	0.400	0.353	11.8	139	-0.01
27	SURR	Fluoranthene-d10	0.400	0.363	9.3	145	0.00
28		Fluoranthene	0.400	0.360	10.0	140	0.00
29	I	Chrysene-d12	0.400	0.400	0.0	156	0.00
30		Pyrene	0.400	0.351	12.3	142	0.00
31	S	Terphenyl-d14	0.400	0.359	10.3	148	0.00
32		Benzo(a)anthracene	0.400	0.366	8.5	154	0.00
33		Chrysene	0.400	0.367	8.3	148	0.00
34		Bis(2-ethylhexyl)phthalate	0.400	0.370	7.5	164	0.00
35	I	Perylene-d12	0.400	0.400	0.0	180	0.00
36		Indeno(1,2,3-cd)pyrene	0.400	0.404	-1.0	201	-0.02
37		Benzo(b)fluoranthene	0.400	0.347	13.3	164	0.00
38		Benzo(k)fluoranthene	0.400	0.352	12.0	172	0.00
39	C	Benzo(a)pyrene	0.400	0.366	8.5	183	0.00
40		Dibenzo(a,h)anthracene	0.400	0.406	-1.5	200	-0.01
41		Benzo(g,h,i)perylene	0.400	0.387	3.3	187	-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.: Q3156

Instrument ID: BNA_N Calibration Date/Time: 09/30/2025 12:16

Lab File ID: BN037943.D Init. Calib. Date(s): 09/23/2025 09/23/2025

EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 12:13 15:51

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.556	0.516		-7.2	20.0
Fluoranthene-d10	1.006	0.945		-6.1	20.0
2-Fluorophenol	0.913	0.838		-8.2	20.0
Phenol-d6	1.199	1.101		-8.2	20.0
Nitrobenzene-d5	0.305	0.275		-9.8	20.0
2-Fluorobiphenyl	1.638	1.602		-2.2	20.0
2,4,6-Tribromophenol	0.152	0.138		-9.2	20.0
Terphenyl-d14	0.797	0.748		-6.1	20.0
1,4-Dioxane	0.406	0.381		-6.2	20.0

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN093025\
Data File : BN037943.D
Acq On : 30 Sep 2025 12:16
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Sep 30 12:57:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration

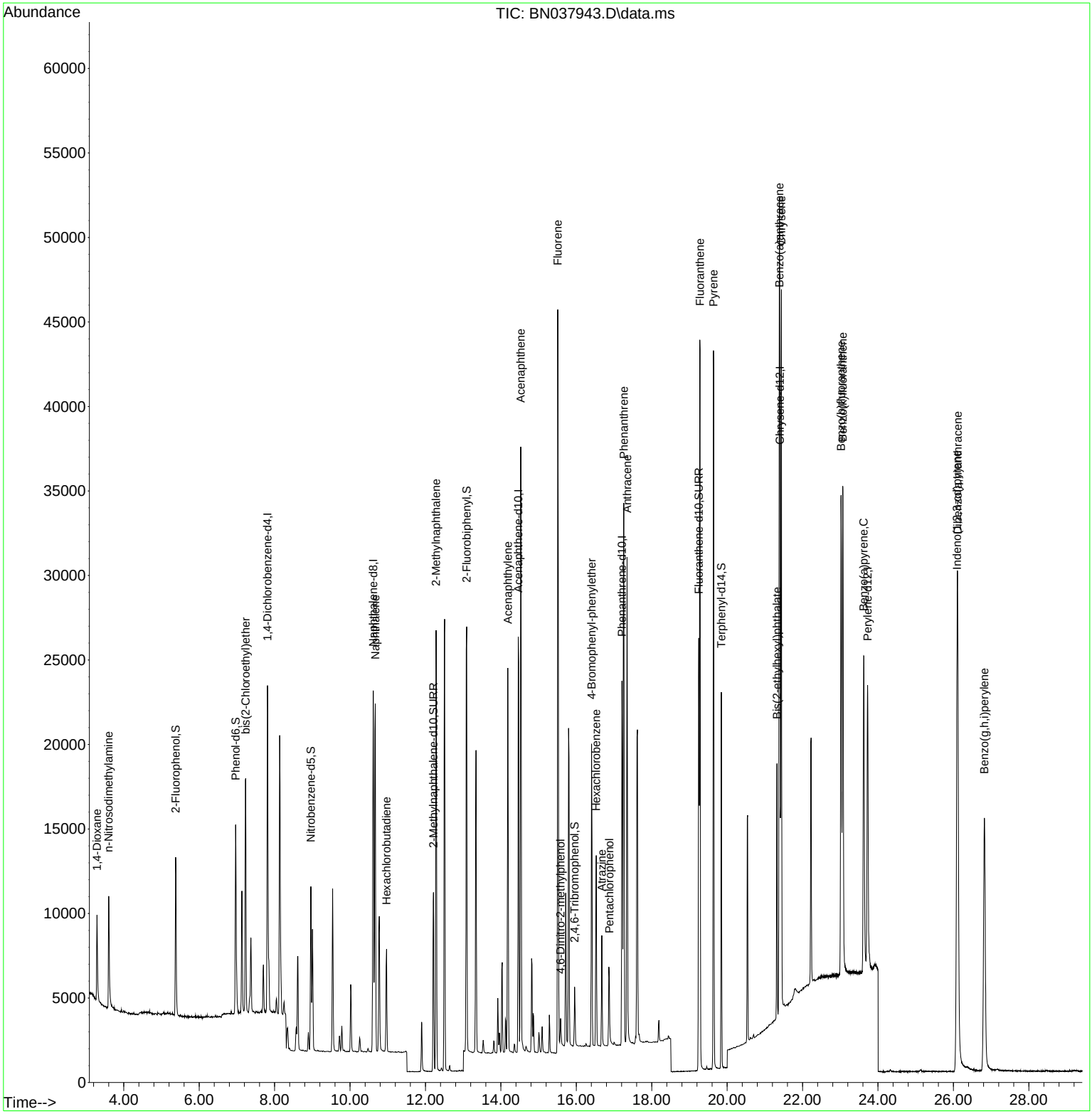
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.811	152	9644	0.400	ng		-0.01
7) Naphthalene-d8	10.616	136	27222	0.400	ng		-0.01
13) Acenaphthene-d10	14.462	164	14738	0.400	ng		-0.01
19) Phenanthrene-d10	17.211	188	29357	0.400	ng		#-0.01
29) Chrysene-d12	21.402	240	26509	0.400	ng		# 0.00
35) Perylene-d12	23.724	264	23943	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.377	112	8084	0.367	ng		0.00
5) Phenol-d6	6.966	99	10620	0.367	ng		0.00
8) Nitrobenzene-d5	8.961	82	7488	0.361	ng		-0.01
11) 2-Methylnaphthalene-d10	12.212	152	14048	0.372	ng		0.00
14) 2,4,6-Tribromophenol	15.957	330	2035	0.364	ng		-0.01
15) 2-Fluorobiphenyl	13.094	172	23610	0.391	ng		0.00
27) Fluoranthene-d10	19.248	212	27753	0.376	ng		0.00
31) Terphenyl-d14	19.847	244	19831	0.376	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.290	88	3677	0.376	ng		96
3) n-Nitrosodimethylamine	3.601	42	4449	0.342	ng	#	90
6) bis(2-Chloroethyl)ether	7.233	93	10471	0.390	ng		100
9) Naphthalene	10.669	128	28368	0.378	ng		99
10) Hexachlorobutadiene	10.968	225	4886	0.382	ng	#	99
12) 2-Methylnaphthalene	12.283	142	18384	0.375	ng		98
16) Acenaphthylene	14.185	152	24657	0.368	ng		100
17) Acenaphthene	14.527	154	17357	0.364	ng		99
18) Fluorene	15.510	166	20758	0.360	ng		100
20) 4,6-Dinitro-2-methylph...	15.585	198	1109	0.362	ng	#	67
21) 4-Bromophenyl-phenylether	16.404	248	7246	0.379	ng	#	80
22) Hexachlorobenzene	16.528	284	8761	0.378	ng		99
23) Atrazine	16.677	200	4829	0.331	ng	#	95
24) Pentachlorophenol	16.876	266	2764	0.347	ng		97
25) Phenanthrene	17.260	178	35729	0.370	ng		100
26) Anthracene	17.347	178	29914	0.357	ng		100
28) Fluoranthene	19.280	202	40271	0.378	ng		100
30) Pyrene	19.638	202	38630	0.369	ng		100
32) Benzo(a)anthracene	21.384	228	34072	0.368	ng		98
33) Chrysene	21.438	228	37657	0.376	ng		99
34) Bis(2-ethylhexyl)phtha...	21.322	149	13504	0.368	ng	#	97
36) Indeno(1,2,3-cd)pyrene	26.098	276	39384	0.360	ng		99
37) Benzo(b)fluoranthene	23.022	252	39090	0.379	ng		99
38) Benzo(k)fluoranthene	23.066	252	37838	0.364	ng		99
39) Benzo(a)pyrene	23.622	252	29300	0.359	ng		97
40) Dibenzo(a,h)anthracene	26.113	278	31094	0.364	ng		98
41) Benzo(g,h,i)perylene	26.820	276	33423	0.372	ng		99

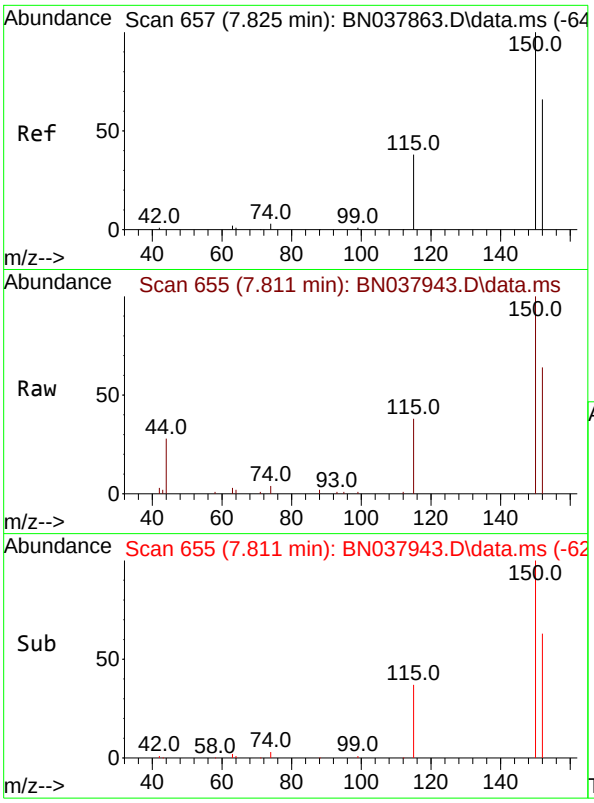
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN093025\
Data File : BN037943.D
Acq On : 30 Sep 2025 12:16
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Sep 30 12:57:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration



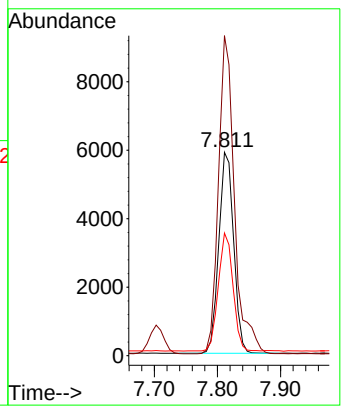


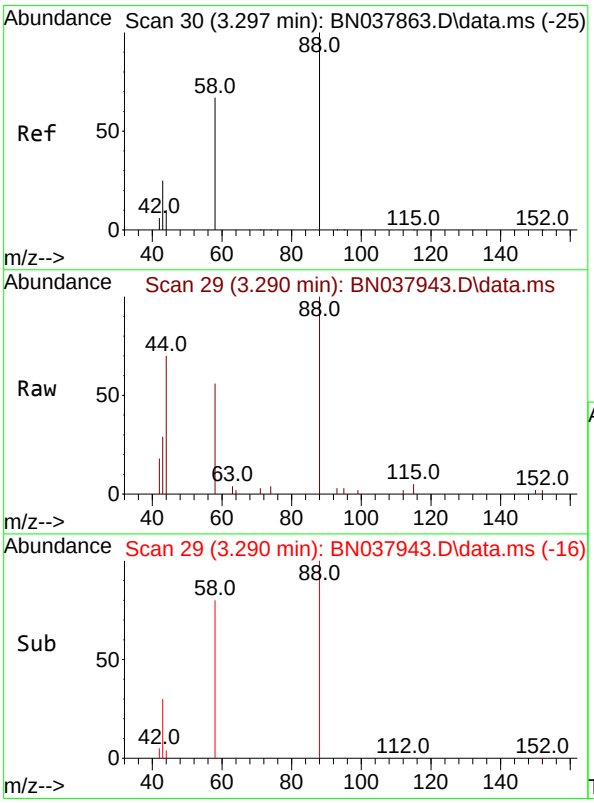
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.811 min Scan# 6
Delta R.T. -0.014 min
Lab File: BN037943.D
Acq: 30 Sep 2025 12:16

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 9644

Ion	Ratio	Lower	Upper
152	100		
150	157.3	121.0	181.4
115	60.3	47.4	71.0

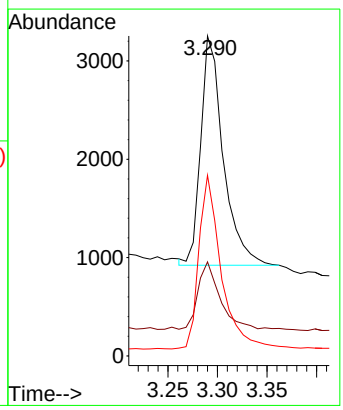


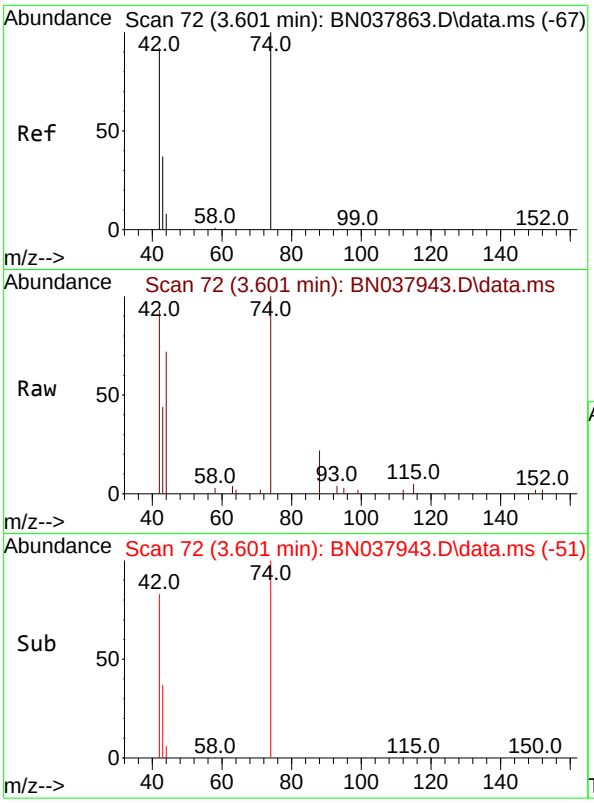


#2
1,4-Dioxane
Concen: 0.376 ng
RT: 3.290 min Scan# 29
Delta R.T. -0.007 min
Lab File: BN037943.D
Acq: 30 Sep 2025 12:16

Tgt Ion: 88 Resp: 3677

Ion	Ratio	Lower	Upper
88	100		
43	29.5	26.6	39.8
58	75.8	58.9	88.3



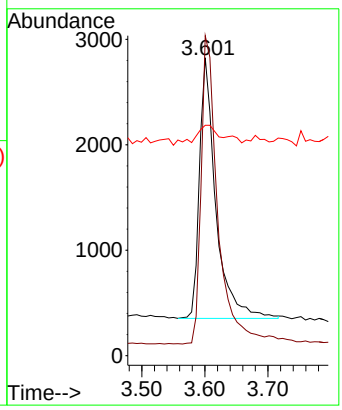


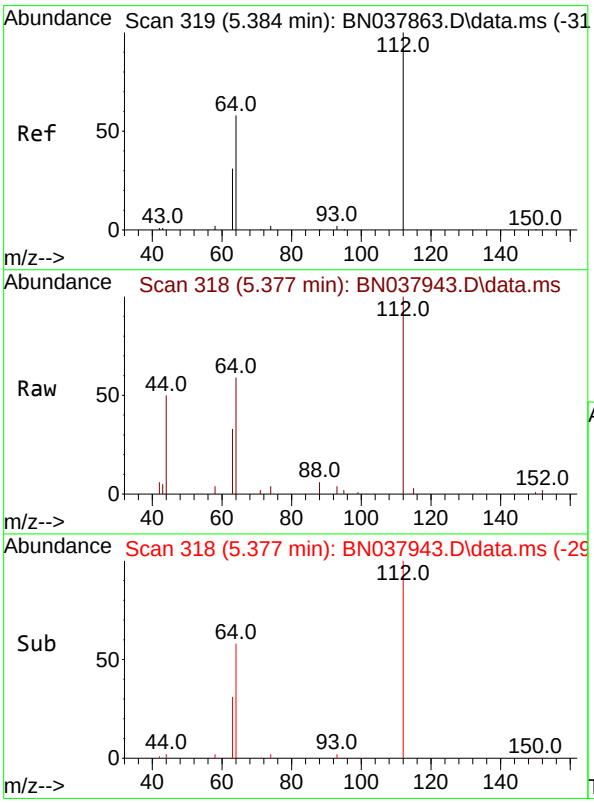
#3
n-Nitrosodimethylamine
Concen: 0.342 ng
RT: 3.601 min Scan# 7
Delta R.T. 0.000 min
Lab File: BN037943.D
Acq: 30 Sep 2025 12:16

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 4449

Ion	Ratio	Lower	Upper
42	100		
74	121.9	93.4	140.0
44	10.4	22.2	33.4#

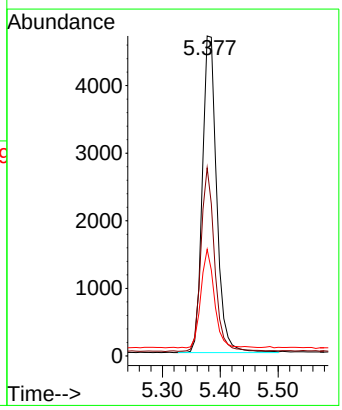


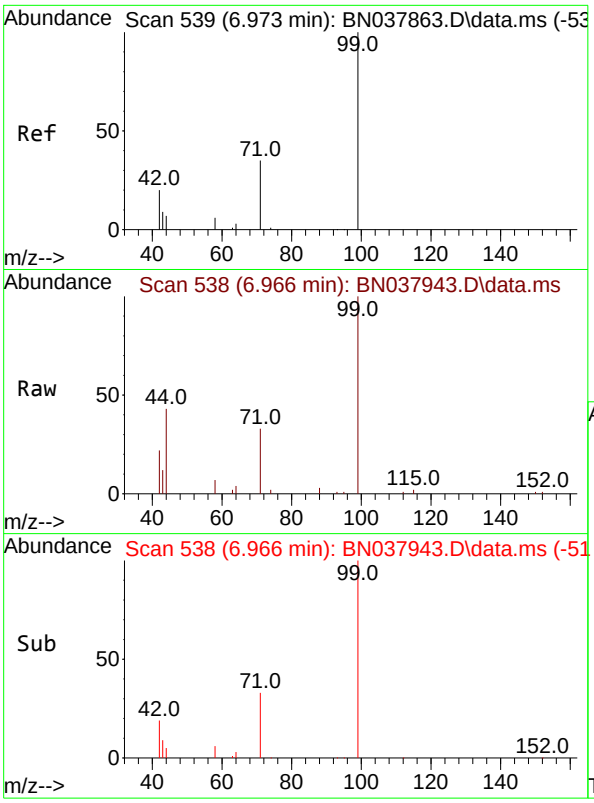


#4
2-Fluorophenol
Concen: 0.367 ng
RT: 5.377 min Scan# 318
Delta R.T. -0.007 min
Lab File: BN037943.D
Acq: 30 Sep 2025 12:16

Tgt Ion:112 Resp: 8084

Ion	Ratio	Lower	Upper
112	100		
64	55.1	44.6	66.8
63	29.4	24.9	37.3



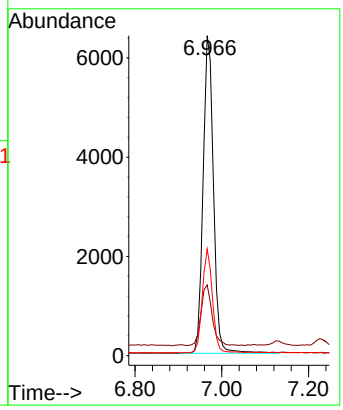


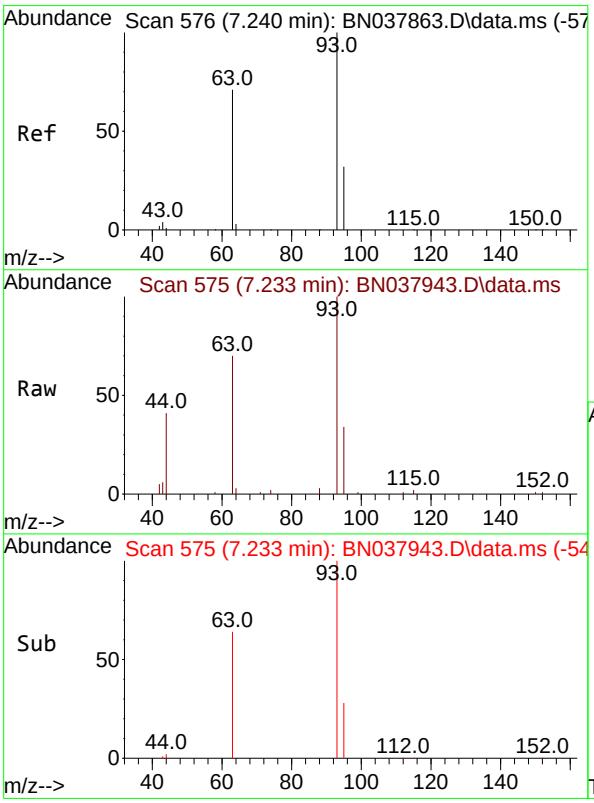
#5
Phenol-d6
Concen: 0.367 ng
RT: 6.966 min Scan# 5
Delta R.T. -0.007 min
Lab File: BN037943.D
Acq: 30 Sep 2025 12:16

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 10620

Ion	Ratio	Lower	Upper
99	100		
42	20.3	17.2	25.8
71	31.9	27.3	40.9

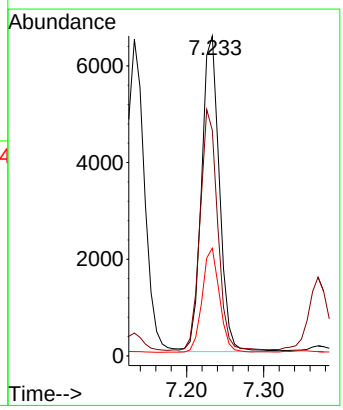


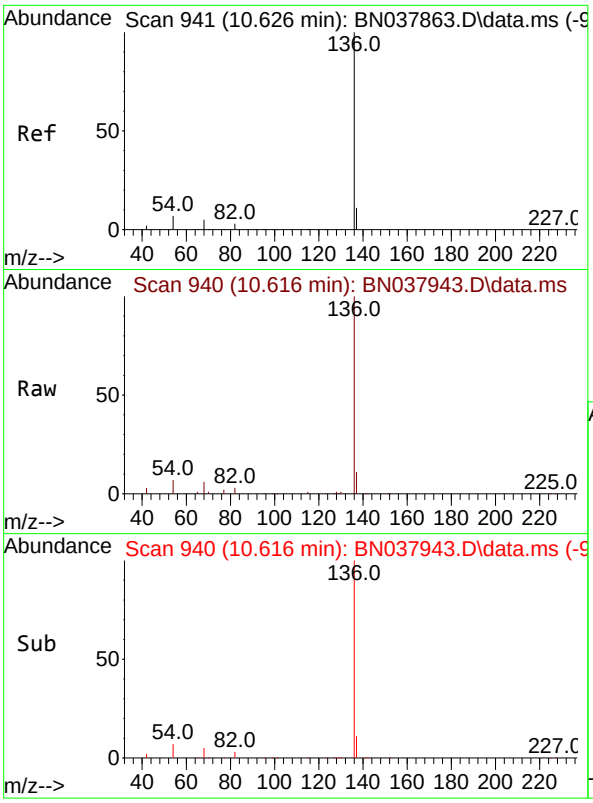


#6
bis(2-Chloroethyl)ether
Concen: 0.390 ng
RT: 7.233 min Scan# 575
Delta R.T. -0.007 min
Lab File: BN037943.D
Acq: 30 Sep 2025 12:16

Tgt Ion: 93 Resp: 10471

Ion	Ratio	Lower	Upper
93	100		
63	74.9	60.1	90.1
95	32.0	25.4	38.2



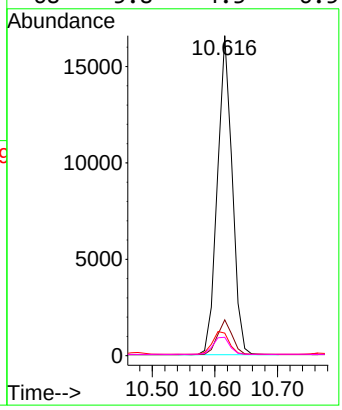


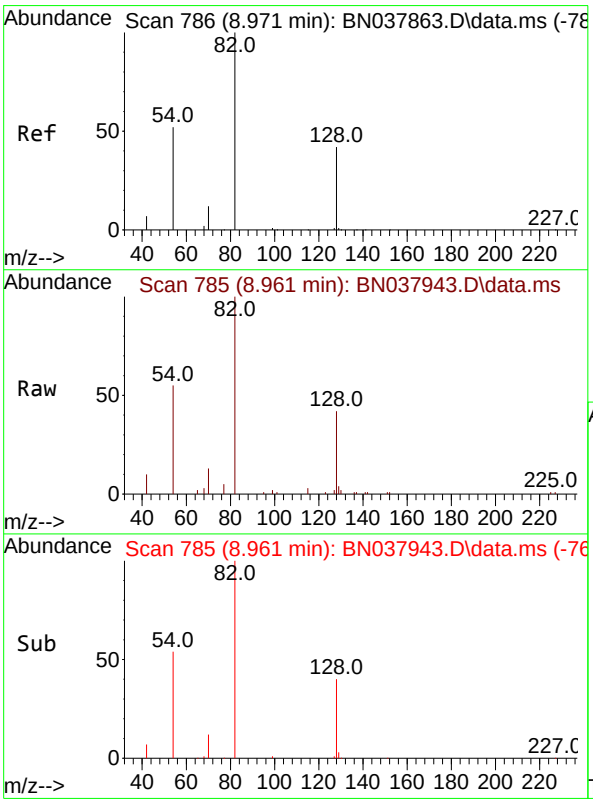
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.616 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037943.D
Acq: 30 Sep 2025 12:16

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 27222

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	7.1	5.8	8.8
68	5.8	4.3	6.5

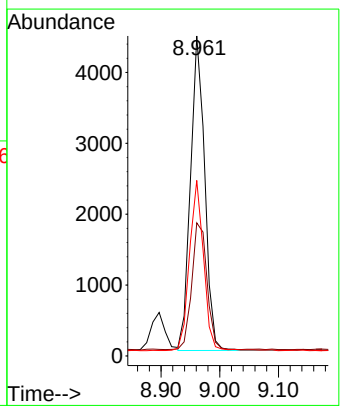


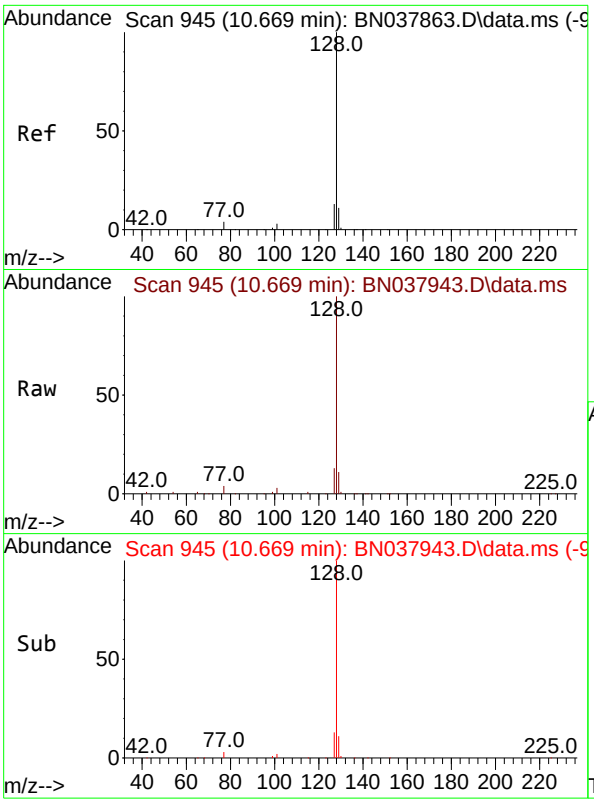


#8
Nitrobenzene-d5
Concen: 0.361 ng
RT: 8.961 min Scan# 785
Delta R.T. -0.011 min
Lab File: BN037943.D
Acq: 30 Sep 2025 12:16

Tgt Ion: 82 Resp: 7488

Ion	Ratio	Lower	Upper
82	100		
128	41.6	34.8	52.2
54	54.8	42.2	63.2



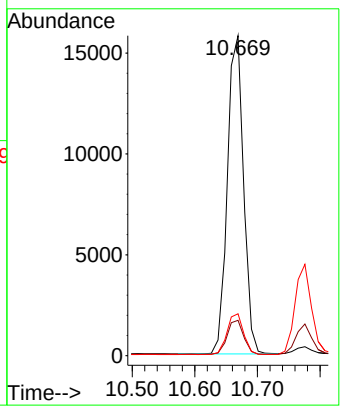


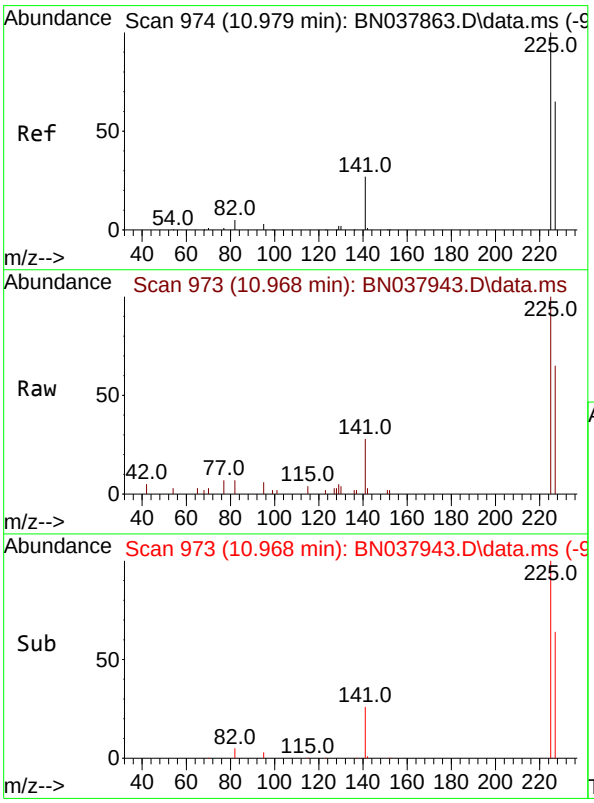
#9
Naphthalene
Concen: 0.378 ng
RT: 10.669 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN037943.D
Acq: 30 Sep 2025 12:16

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 28368

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.2	13.8
127	13.1	11.0	16.6

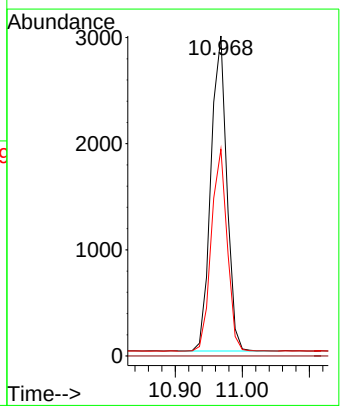


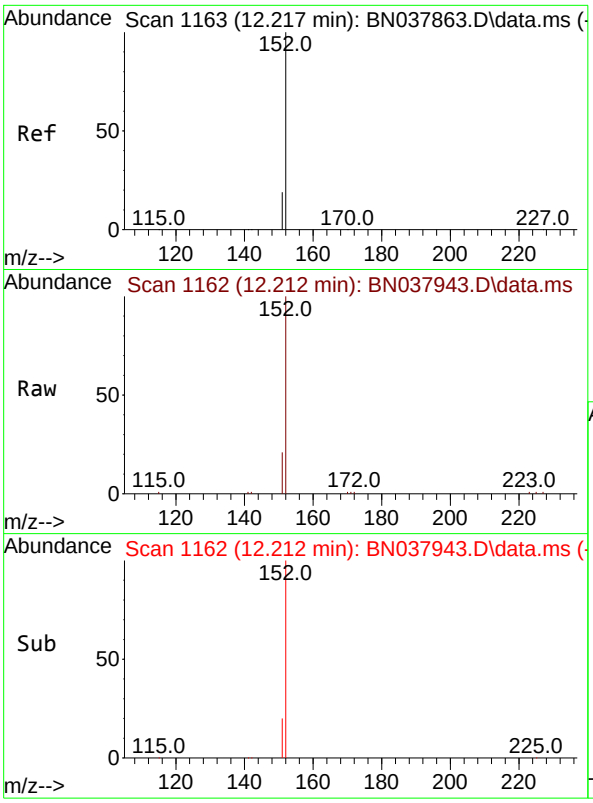


#10
Hexachlorobutadiene
Concen: 0.382 ng
RT: 10.968 min Scan# 973
Delta R.T. -0.011 min
Lab File: BN037943.D
Acq: 30 Sep 2025 12:16

Tgt Ion:225 Resp: 4886

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.8	51.4	77.2



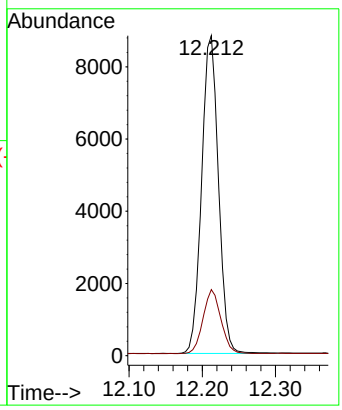


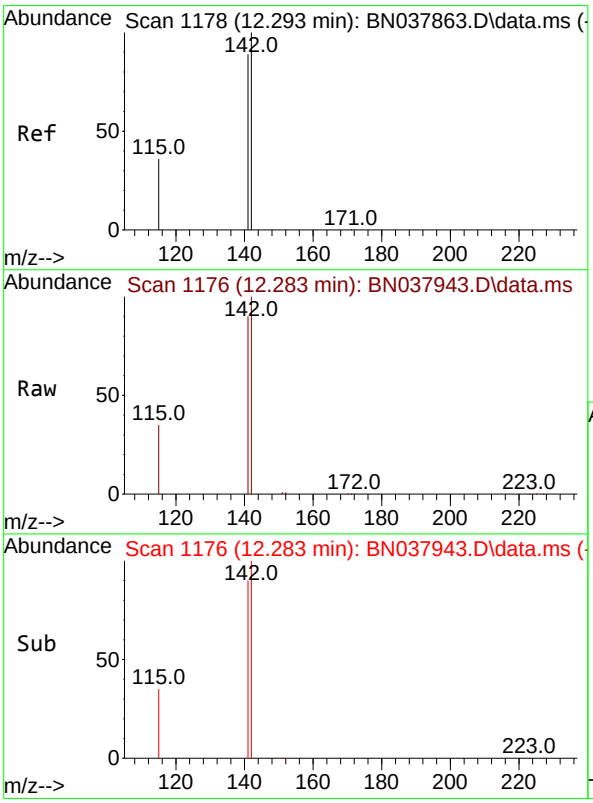
#11
2-Methylnaphthalene-d10
Concen: 0.372 ng
RT: 12.212 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN037943.D
Acq: 30 Sep 2025 12:16

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 14048

Ion	Ratio	Lower	Upper
152	100		
151	21.4	17.4	26.2

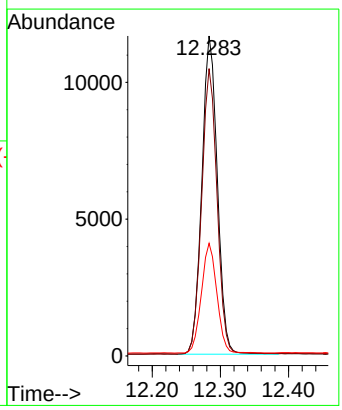


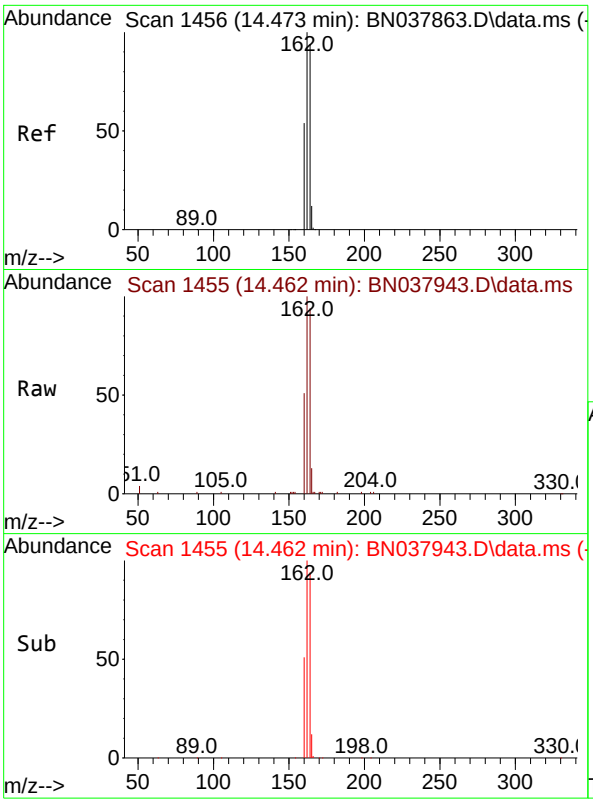


#12
2-Methylnaphthalene
Concen: 0.375 ng
RT: 12.283 min Scan# 1176
Delta R.T. -0.010 min
Lab File: BN037943.D
Acq: 30 Sep 2025 12:16

Tgt Ion:142 Resp: 18384

Ion	Ratio	Lower	Upper
142	100		
141	89.8	71.2	106.8
115	35.2	29.7	44.5



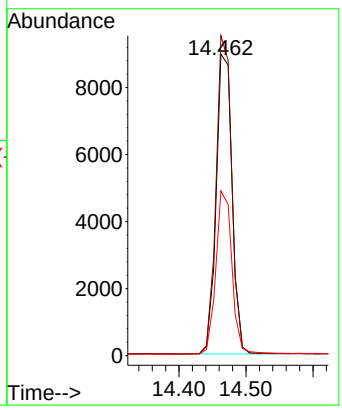


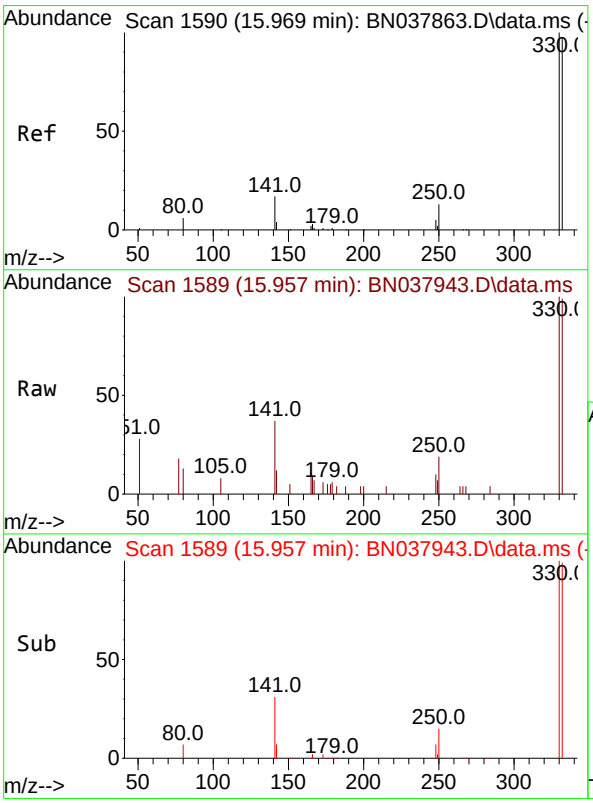
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.462 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN037943.D
Acq: 30 Sep 2025 12:16

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 14738

Ion	Ratio	Lower	Upper
164	100		
162	106.1	84.8	127.2
160	54.6	46.1	69.1

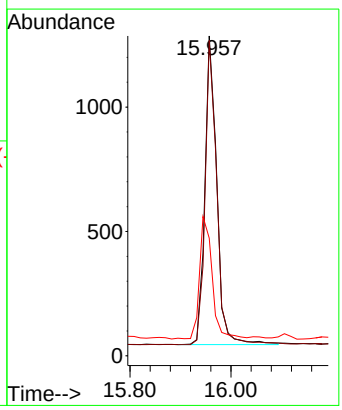


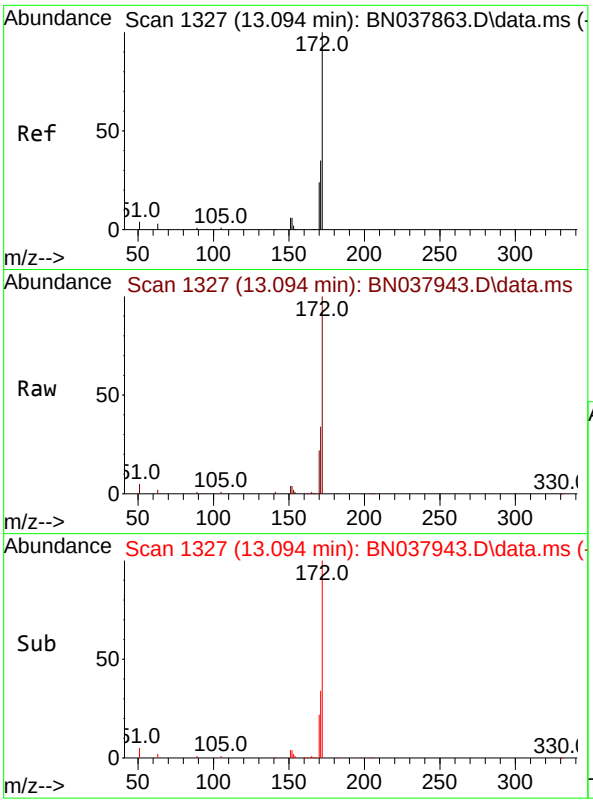


#14
2,4,6-Tribromophenol
Concen: 0.364 ng
RT: 15.957 min Scan# 1589
Delta R.T. -0.012 min
Lab File: BN037943.D
Acq: 30 Sep 2025 12:16

Tgt Ion:330 Resp: 2035

Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.2	115.8
141	41.7	37.2	55.8



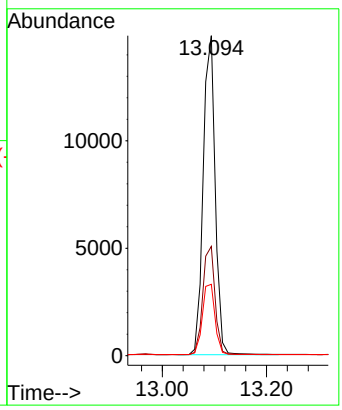


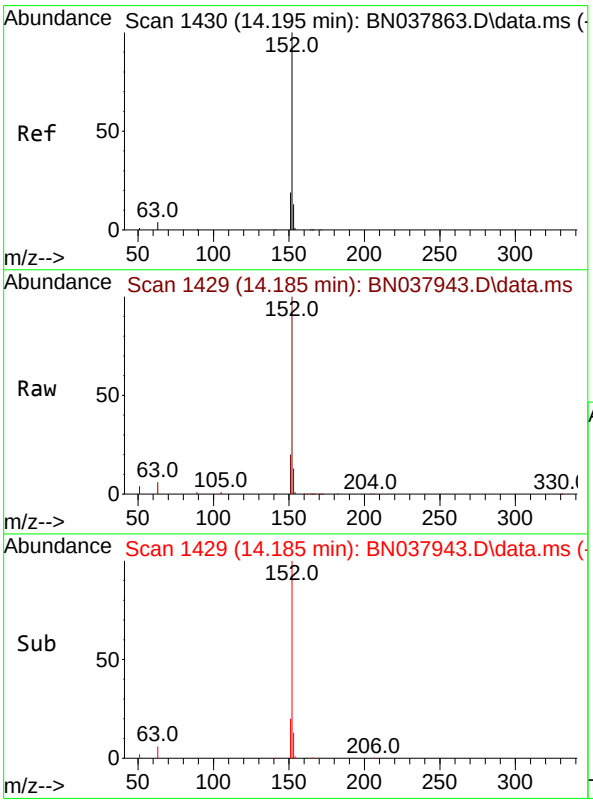
#15
2-Fluorobiphenyl
Concen: 0.391 ng
RT: 13.094 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037943.D
Acq: 30 Sep 2025 12:16

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 23610

Ion	Ratio	Lower	Upper
172	100		
171	34.2	28.6	43.0
170	22.3	19.7	29.5

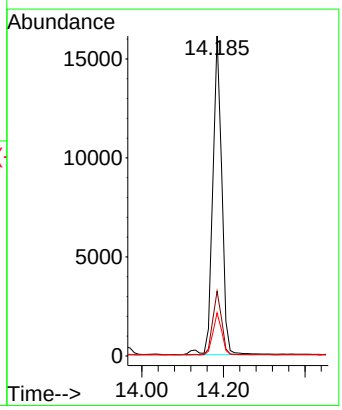


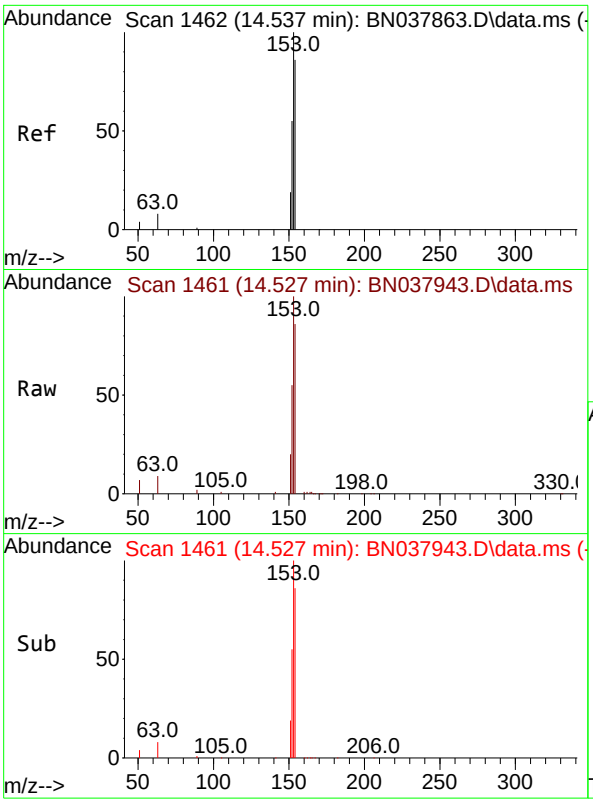


#16
Acenaphthylene
Concen: 0.368 ng
RT: 14.185 min Scan# 1429
Delta R.T. -0.011 min
Lab File: BN037943.D
Acq: 30 Sep 2025 12:16

Tgt Ion:152 Resp: 24657

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.8	23.8
153	13.0	10.5	15.7



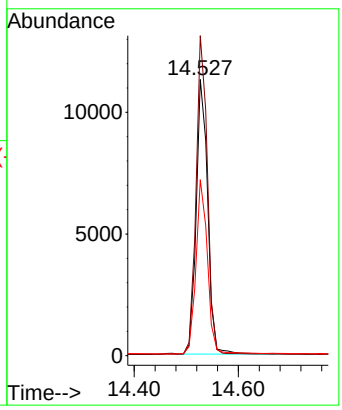


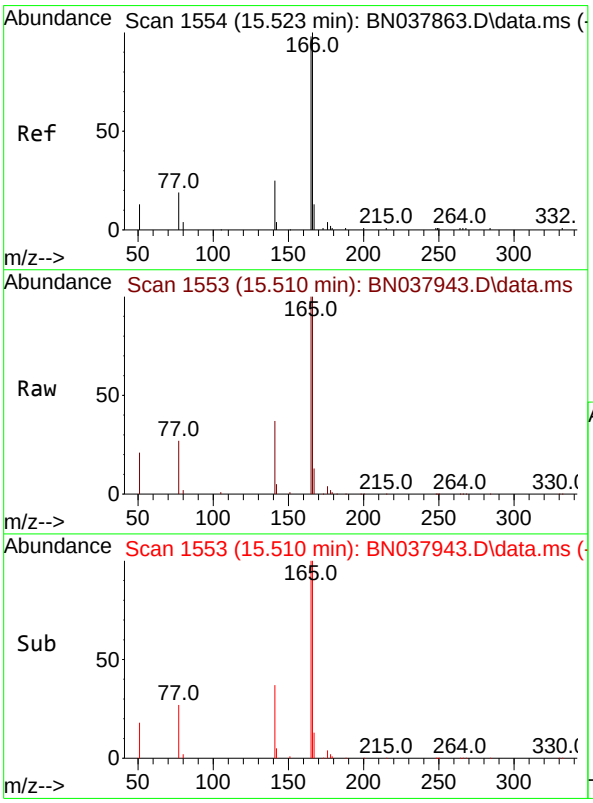
#17
Acenaphthene
Concen: 0.364 ng
RT: 14.527 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN037943.D
Acq: 30 Sep 2025 12:16

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 17357

Ion	Ratio	Lower	Upper
154	100		
153	114.0	90.5	135.7
152	63.2	51.8	77.8

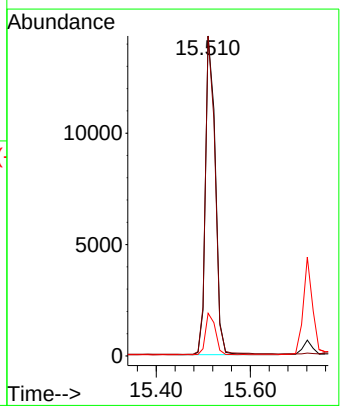


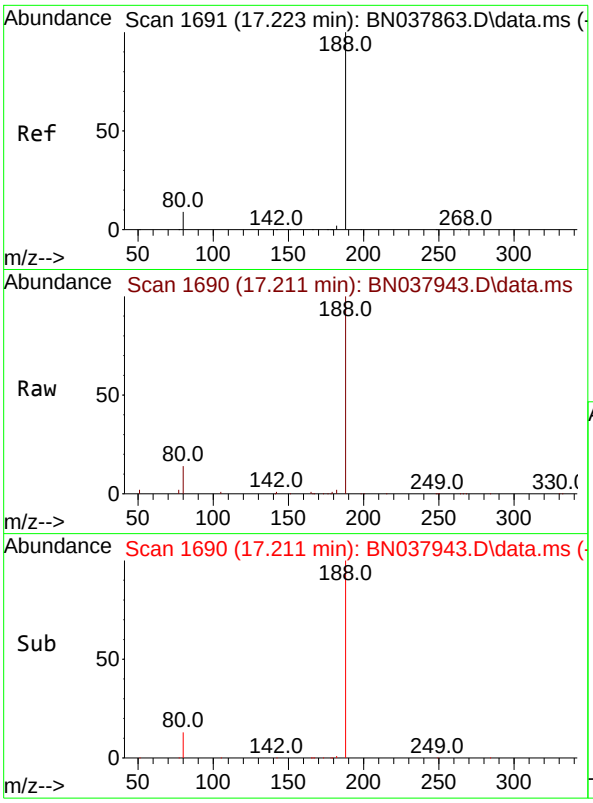


#18
Fluorene
Concen: 0.360 ng
RT: 15.510 min Scan# 1553
Delta R.T. -0.012 min
Lab File: BN037943.D
Acq: 30 Sep 2025 12:16

Tgt Ion:166 Resp: 20758

Ion	Ratio	Lower	Upper
166	100		
165	98.3	79.0	118.4
167	13.2	10.6	16.0



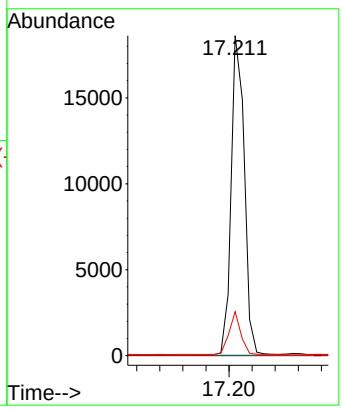


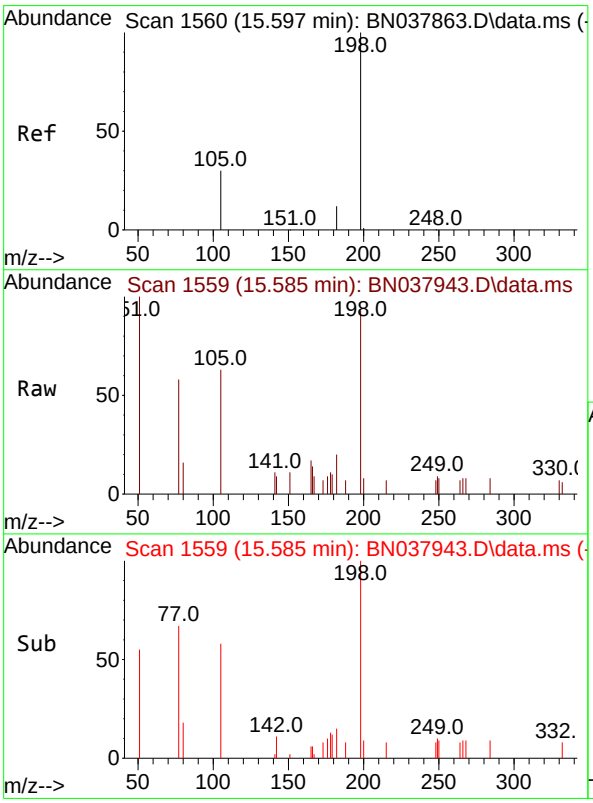
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.211 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037943.D
Acq: 30 Sep 2025 12:16

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 29357

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	13.8	7.6	11.4#

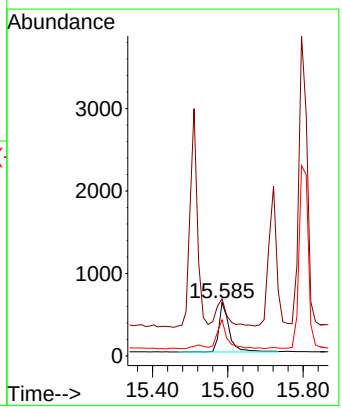


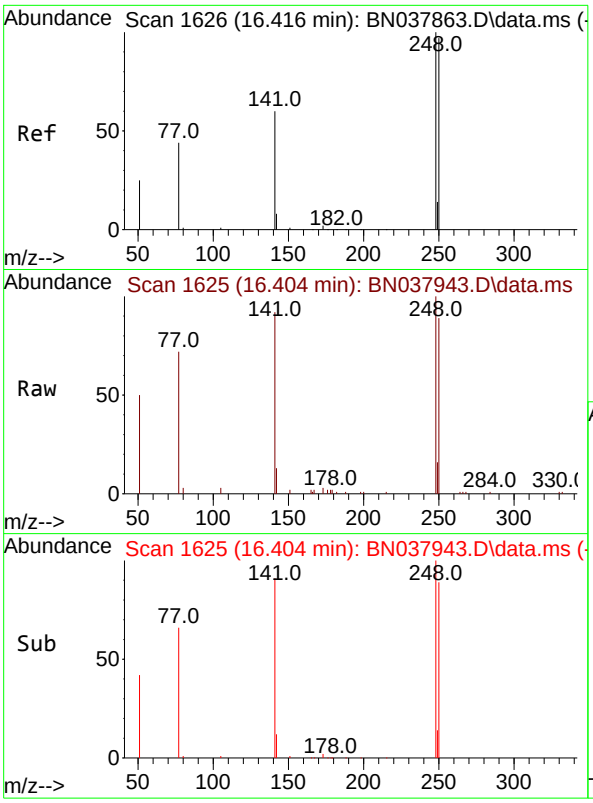


#20
4,6-Dinitro-2-methylphenol
Concen: 0.362 ng
RT: 15.585 min Scan# 1559
Delta R.T. -0.012 min
Lab File: BN037943.D
Acq: 30 Sep 2025 12:16

Tgt Ion:198 Resp: 1109

Ion	Ratio	Lower	Upper
198	100		
51	107.3	59.1	88.7#
105	67.8	41.3	61.9#



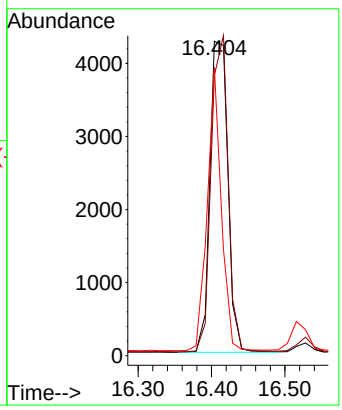


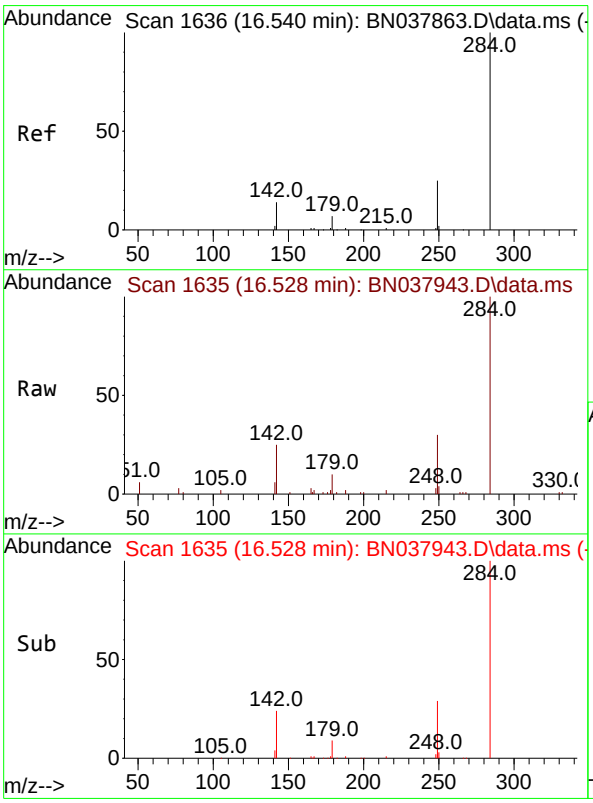
#21
4-Bromophenyl-phenylether
Concen: 0.379 ng
RT: 16.404 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037943.D
Acq: 30 Sep 2025 12:16

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:248 Resp: 7246

Ion	Ratio	Lower	Upper
248	100		
250	89.1	77.6	116.4
141	91.6	48.8	73.2#

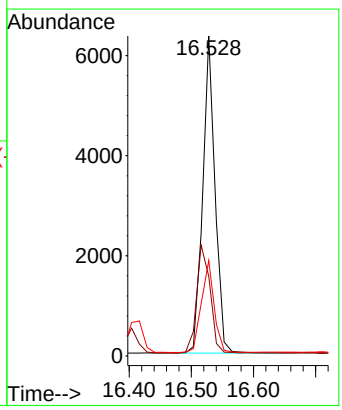


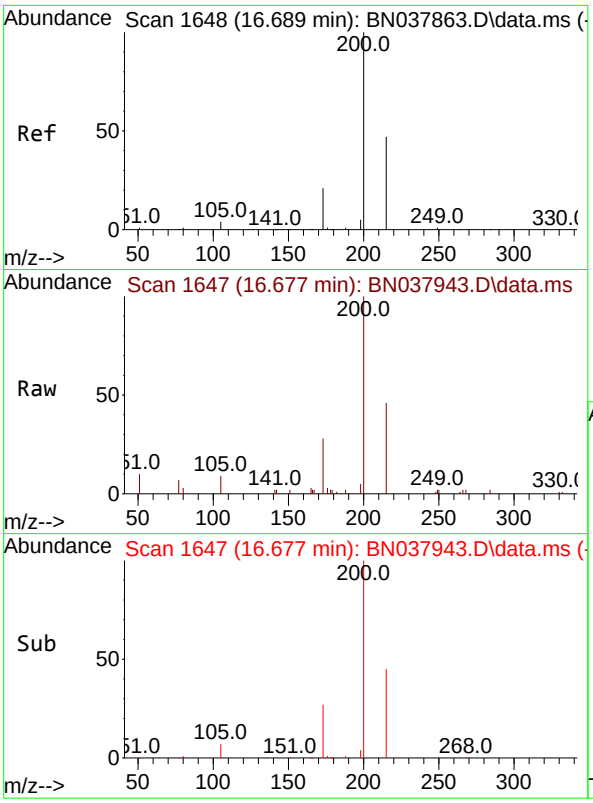


#22
Hexachlorobenzene
Concen: 0.378 ng
RT: 16.528 min Scan# 1635
Delta R.T. -0.012 min
Lab File: BN037943.D
Acq: 30 Sep 2025 12:16

Tgt Ion:284 Resp: 8761

Ion	Ratio	Lower	Upper
284	100		
142	37.2	30.9	46.3
249	30.0	23.9	35.9



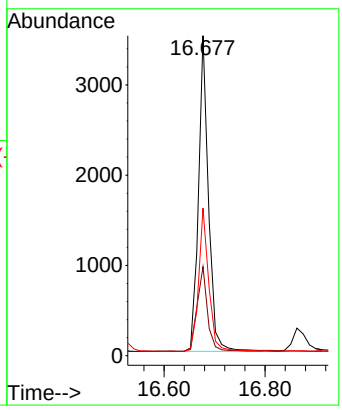


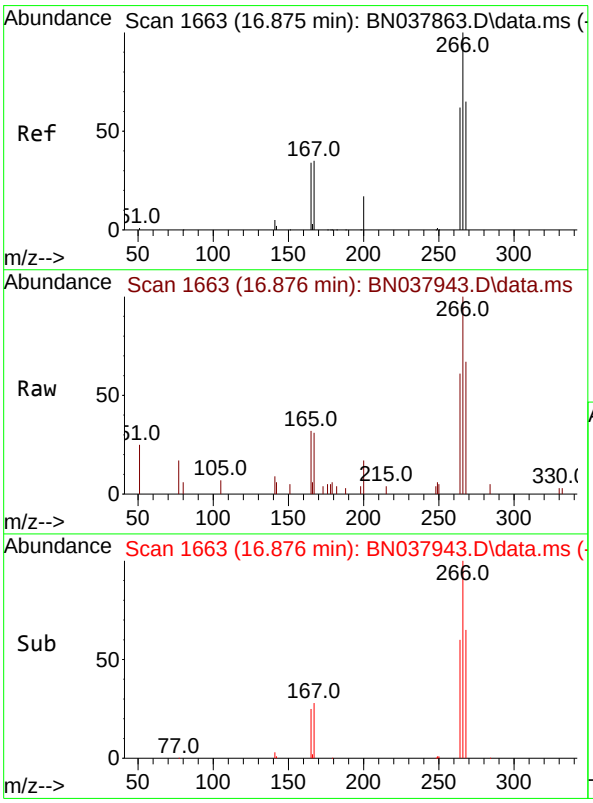
#23
Atrazine
Concen: 0.331 ng
RT: 16.677 min Scan# 1(
Delta R.T. -0.012 min
Lab File: BN037943.D
Acq: 30 Sep 2025 12:16

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:200 Resp: 4829

Ion	Ratio	Lower	Upper
200	100		
173	27.8	18.3	27.5#
215	46.1	38.6	58.0

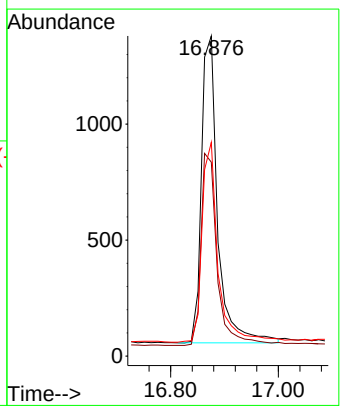


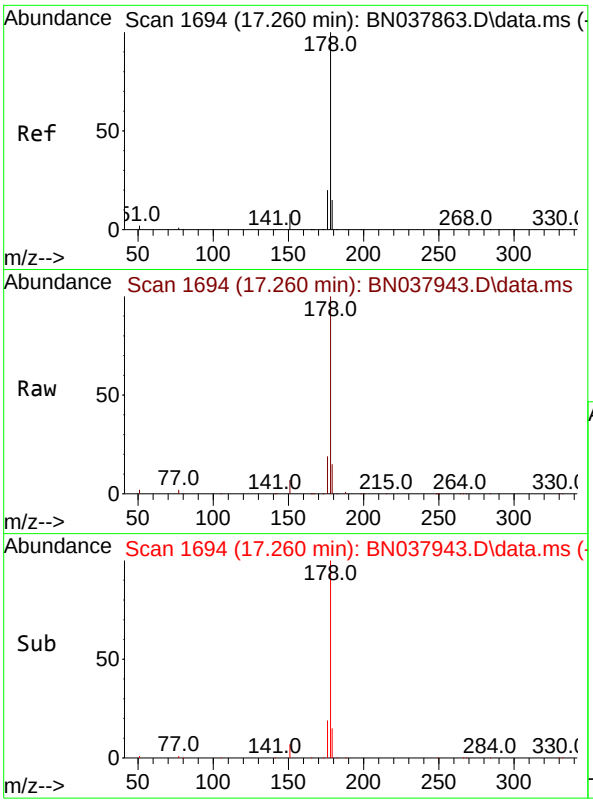


#24
Pentachlorophenol
Concen: 0.347 ng
RT: 16.876 min Scan# 1663
Delta R.T. 0.001 min
Lab File: BN037943.D
Acq: 30 Sep 2025 12:16

Tgt Ion:266 Resp: 2764

Ion	Ratio	Lower	Upper
266	100		
264	63.0	50.9	76.3
268	64.5	54.3	81.5



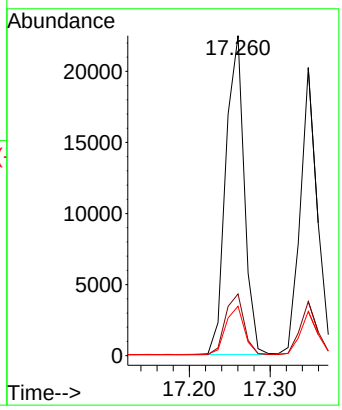


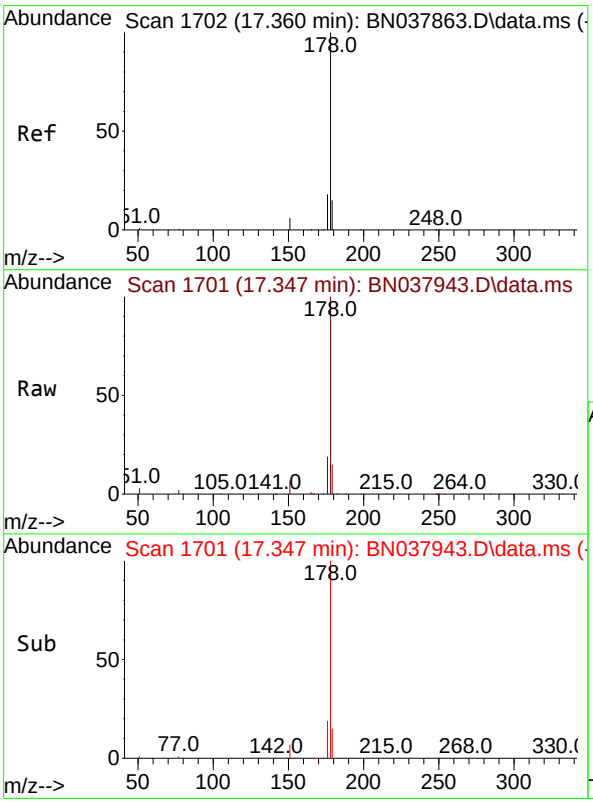
#25
Phenanthrene
Concen: 0.370 ng
RT: 17.260 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037943.D
Acq: 30 Sep 2025 12:16

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 35729

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.7	23.5
179	15.4	12.3	18.5

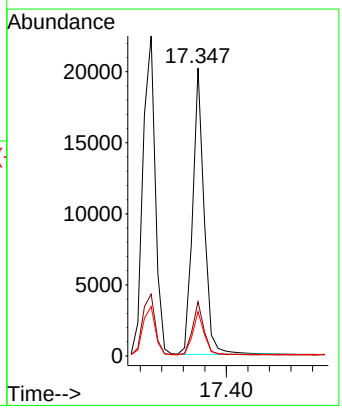


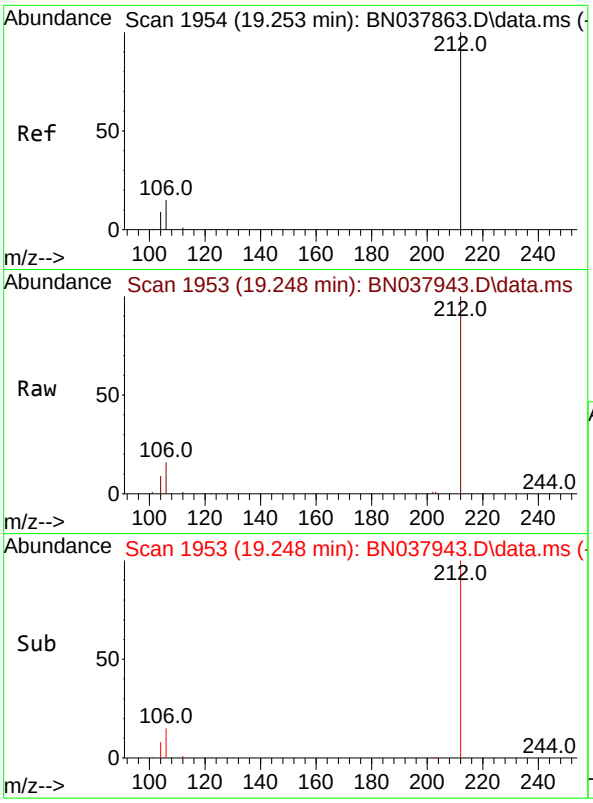


#26
Anthracene
Concen: 0.357 ng
RT: 17.347 min Scan# 1701
Delta R.T. -0.012 min
Lab File: BN037943.D
Acq: 30 Sep 2025 12:16

Tgt Ion:178 Resp: 29914

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.0	22.4
179	15.2	12.3	18.5



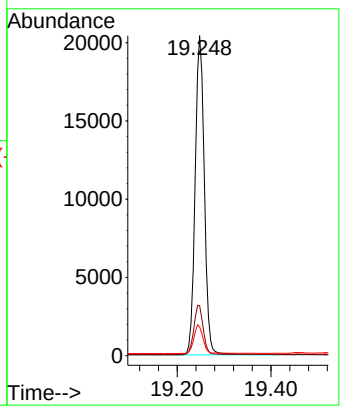


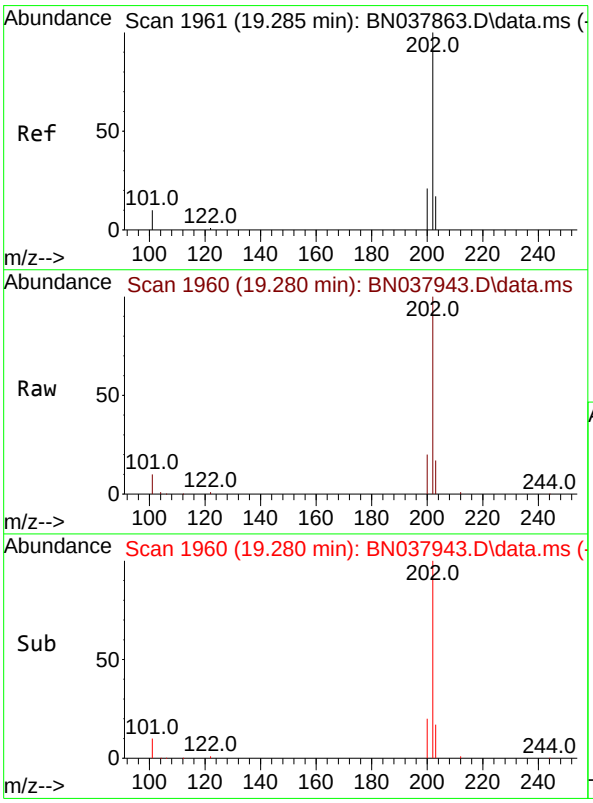
#27
Fluoranthene-d10
Concen: 0.376 ng
RT: 19.248 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN037943.D
Acq: 30 Sep 2025 12:16

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 27753

Ion	Ratio	Lower	Upper
212	100		
106	15.6	12.6	19.0
104	9.2	7.4	11.0

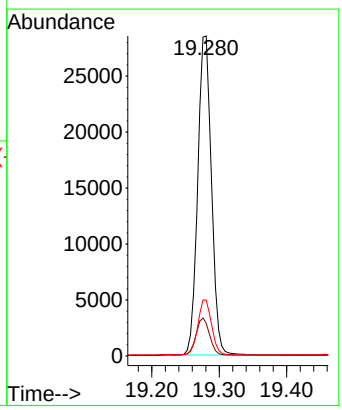


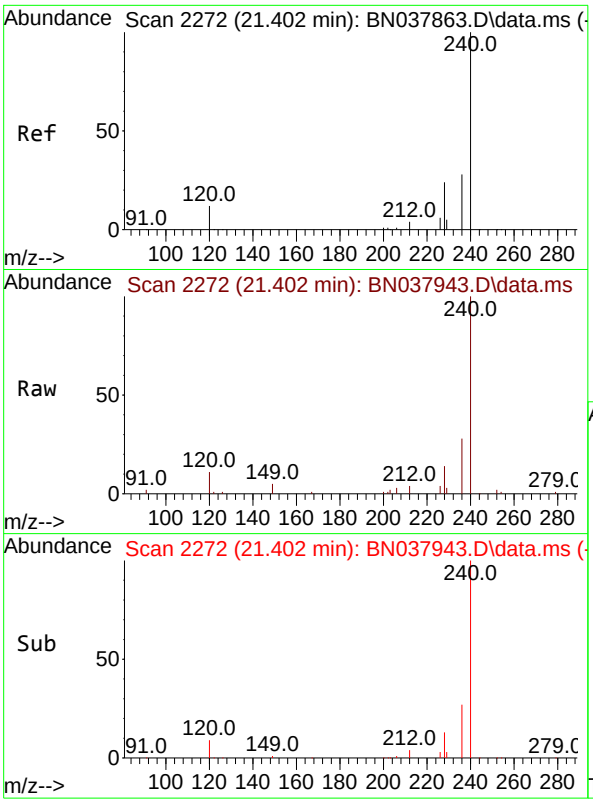


#28
Fluoranthene
Concen: 0.378 ng
RT: 19.280 min Scan# 1960
Delta R.T. -0.005 min
Lab File: BN037943.D
Acq: 30 Sep 2025 12:16

Tgt Ion:202 Resp: 40271

Ion	Ratio	Lower	Upper
202	100		
101	11.7	9.3	13.9
203	17.1	13.6	20.4



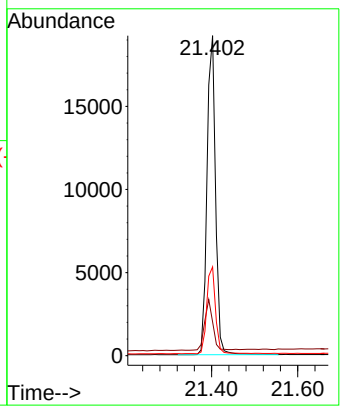


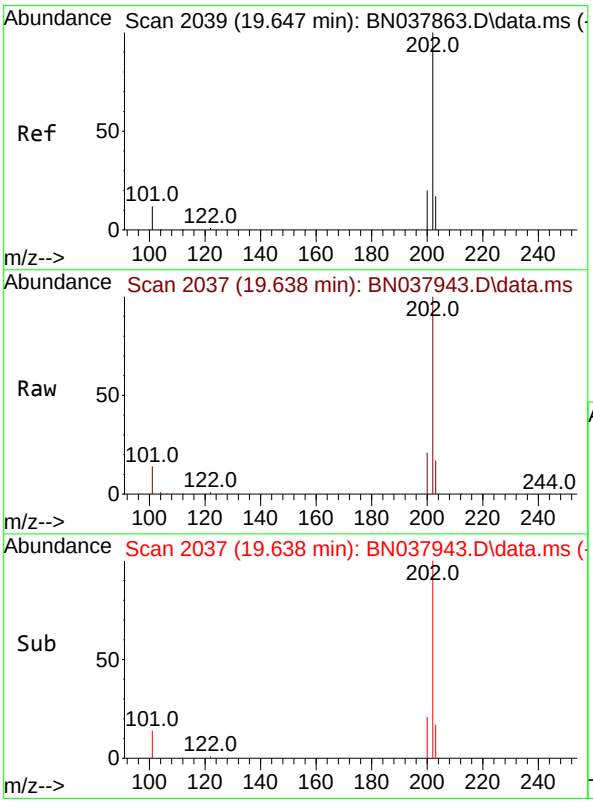
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.402 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037943.D
Acq: 30 Sep 2025 12:16

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 26509

Ion	Ratio	Lower	Upper
240	100		
120	10.6	11.4	17.2#
236	27.7	23.0	34.6

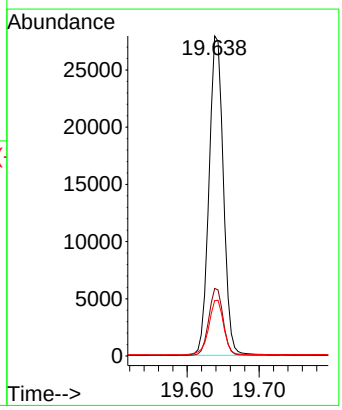


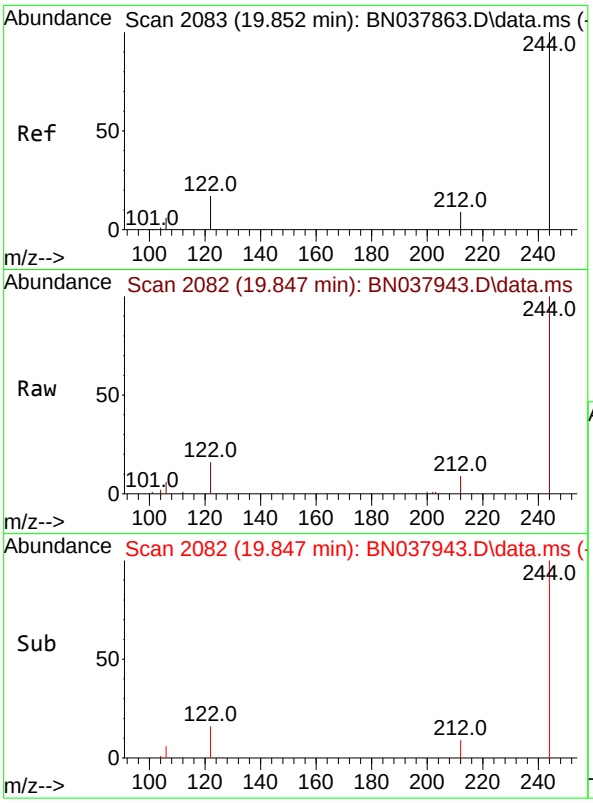


#30
Pyrene
Concen: 0.369 ng
RT: 19.638 min Scan# 2037
Delta R.T. -0.009 min
Lab File: BN037943.D
Acq: 30 Sep 2025 12:16

Tgt Ion:202 Resp: 38630

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.7	25.1
203	17.8	14.2	21.4



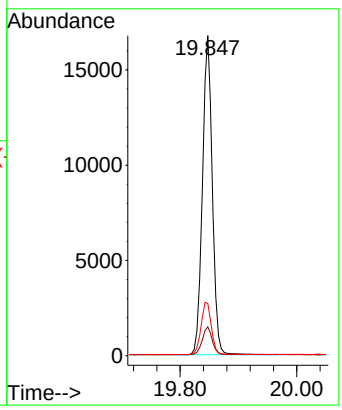


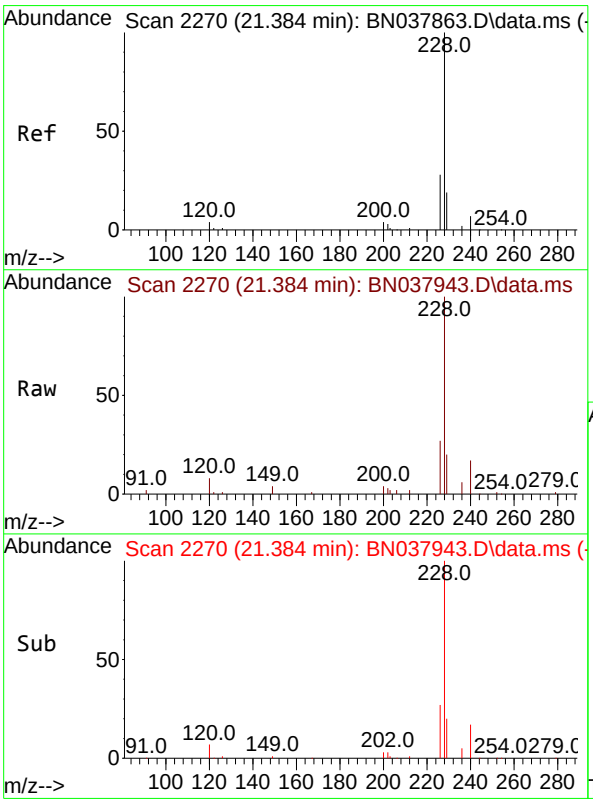
#31
Terphenyl-d14
Concen: 0.376 ng
RT: 19.847 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN037943.D
Acq: 30 Sep 2025 12:16

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 19831

Ion	Ratio	Lower	Upper
244	100		
212	9.0	7.6	11.4
122	16.3	13.9	20.9

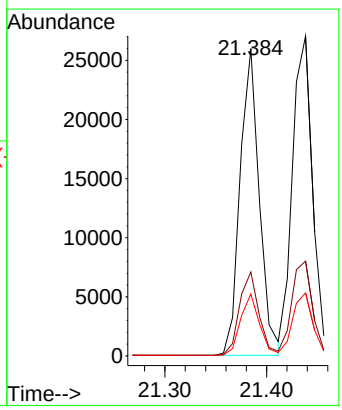


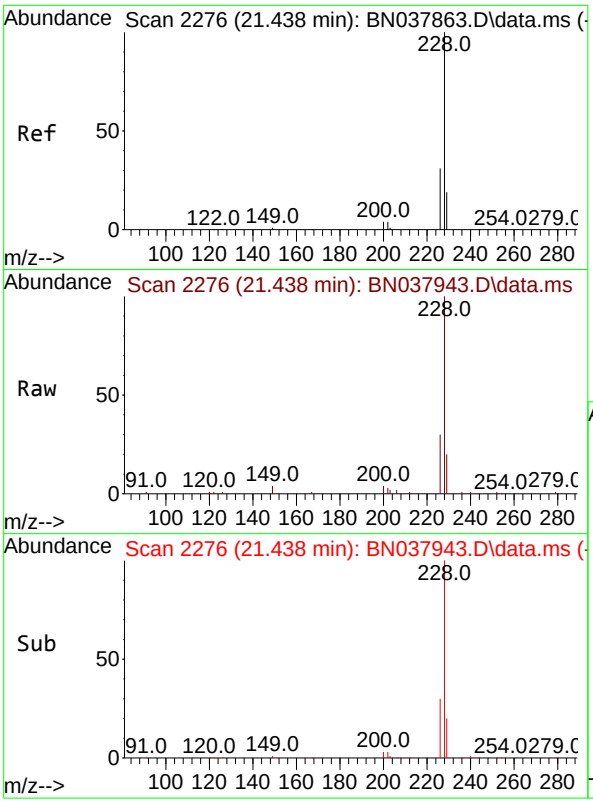


#32
Benzo(a)anthracene
Concen: 0.368 ng
RT: 21.384 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BN037943.D
Acq: 30 Sep 2025 12:16

Tgt Ion:228 Resp: 34072

Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.6	33.8
229	20.2	15.6	23.4



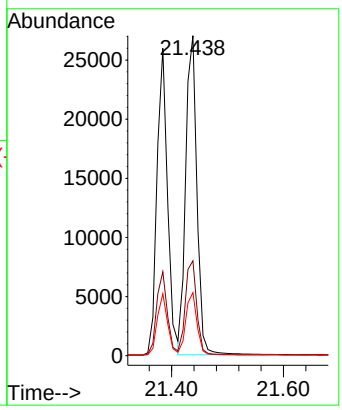


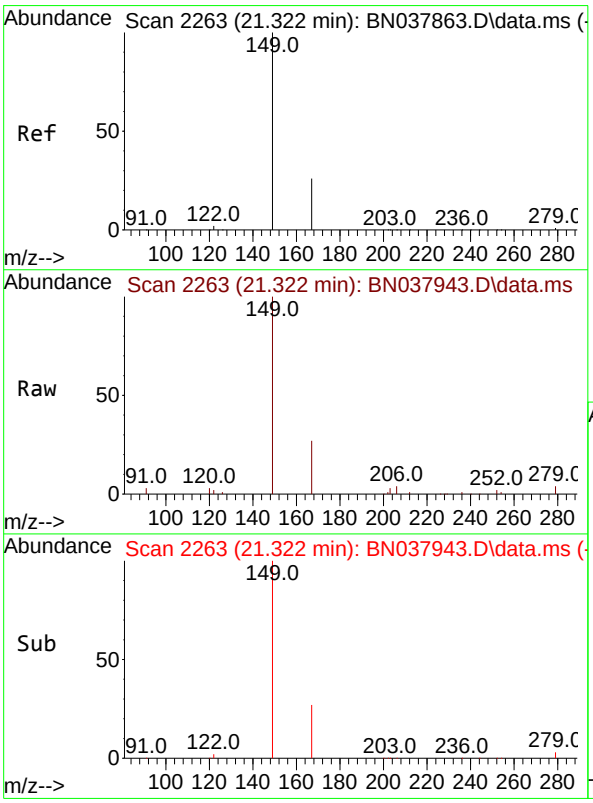
#33
Chrysene
Concen: 0.376 ng
RT: 21.438 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037943.D
Acq: 30 Sep 2025 12:16

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 37657

Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.6	37.0
229	19.7	15.6	23.4

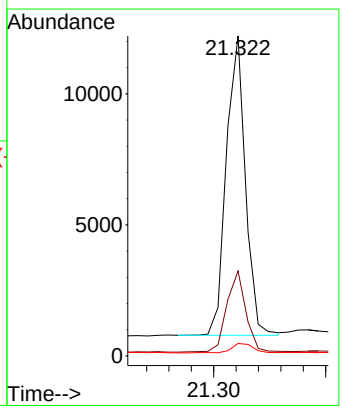


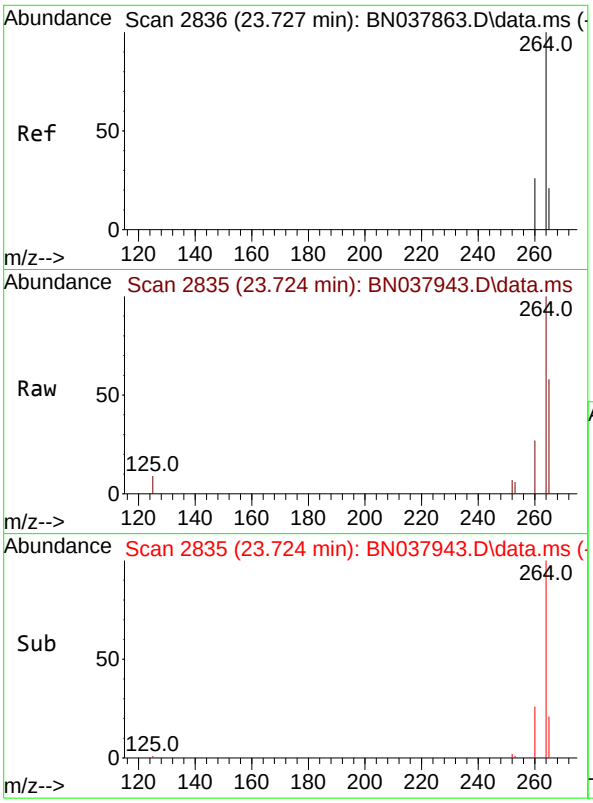


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.368 ng
RT: 21.322 min Scan# 2263
Delta R.T. 0.000 min
Lab File: BN037943.D
Acq: 30 Sep 2025 12:16

Tgt Ion:149 Resp: 13504

Ion	Ratio	Lower	Upper
149	100		
167	27.0	20.4	30.6
279	3.6	2.4	3.6#



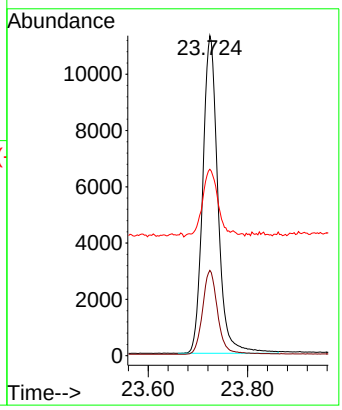


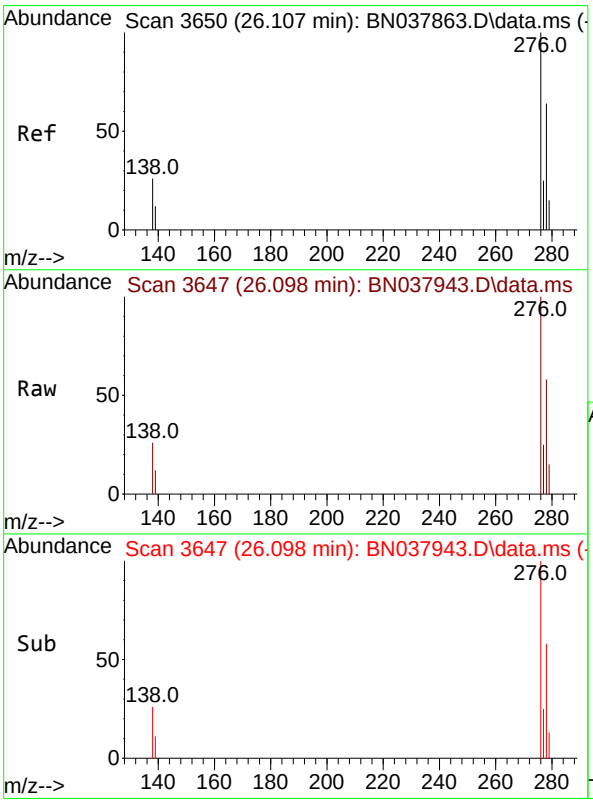
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.724 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN037943.D
Acq: 30 Sep 2025 12:16

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:264 Resp: 23943

Ion	Ratio	Lower	Upper
264	100		
260	26.6	21.5	32.3
265	58.2	53.8	80.6

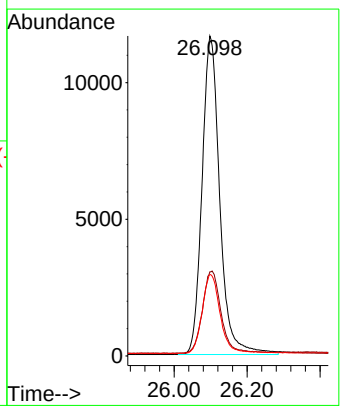


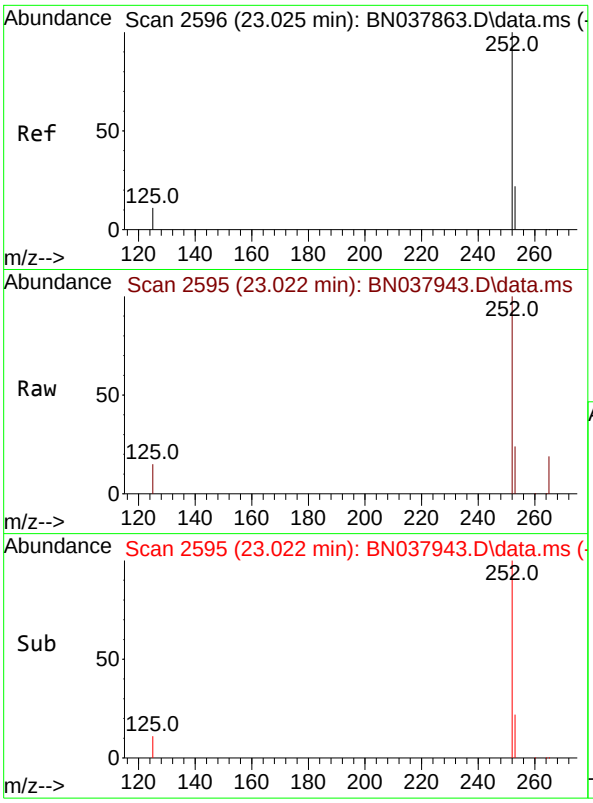


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.360 ng
RT: 26.098 min Scan# 3647
Delta R.T. -0.009 min
Lab File: BN037943.D
Acq: 30 Sep 2025 12:16

Tgt Ion:276 Resp: 39384

Ion	Ratio	Lower	Upper
276	100		
138	26.7	21.4	32.0
277	24.8	20.3	30.5



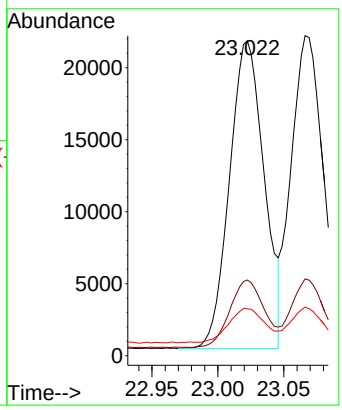


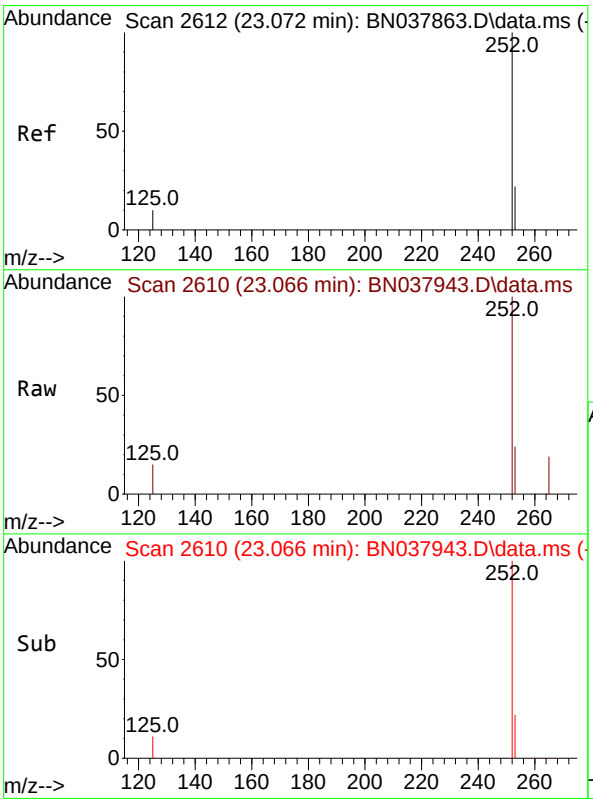
#37
Benzo(b)fluoranthene
Concen: 0.379 ng
RT: 23.022 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN037943.D
Acq: 30 Sep 2025 12:16

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 39090

Ion	Ratio	Lower	Upper
252	100		
253	24.0	19.4	29.0
125	14.9	13.0	19.4

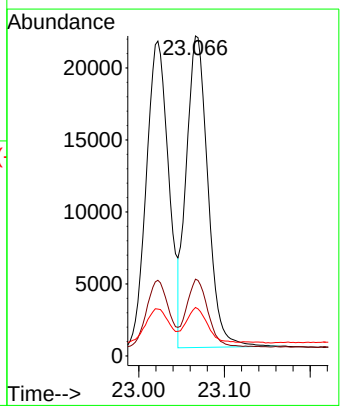


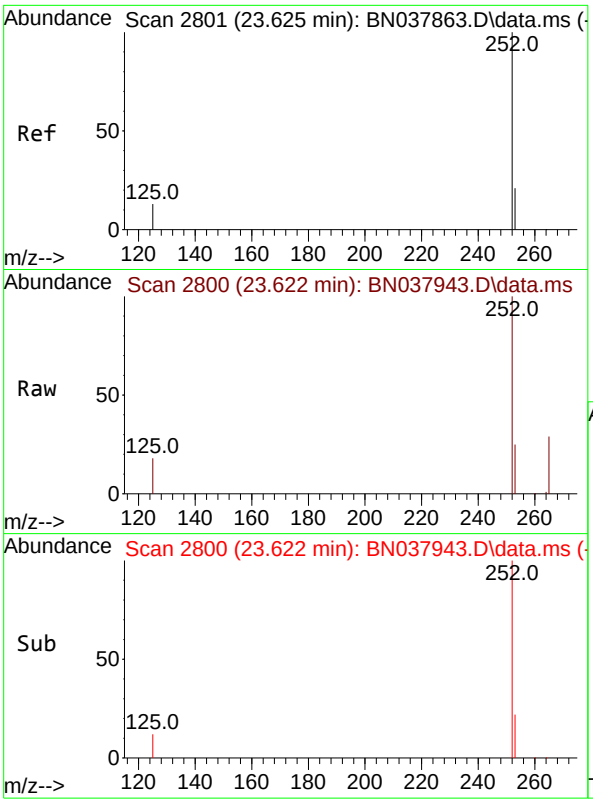


#38
Benzo(k)fluoranthene
Concen: 0.364 ng
RT: 23.066 min Scan# 2610
Delta R.T. -0.006 min
Lab File: BN037943.D
Acq: 30 Sep 2025 12:16

Tgt Ion:252 Resp: 37838

Ion	Ratio	Lower	Upper
252	100		
253	24.0	19.5	29.3
125	15.1	13.0	19.4



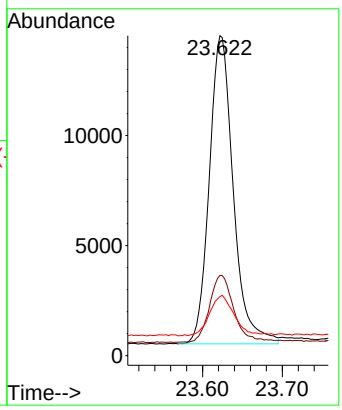


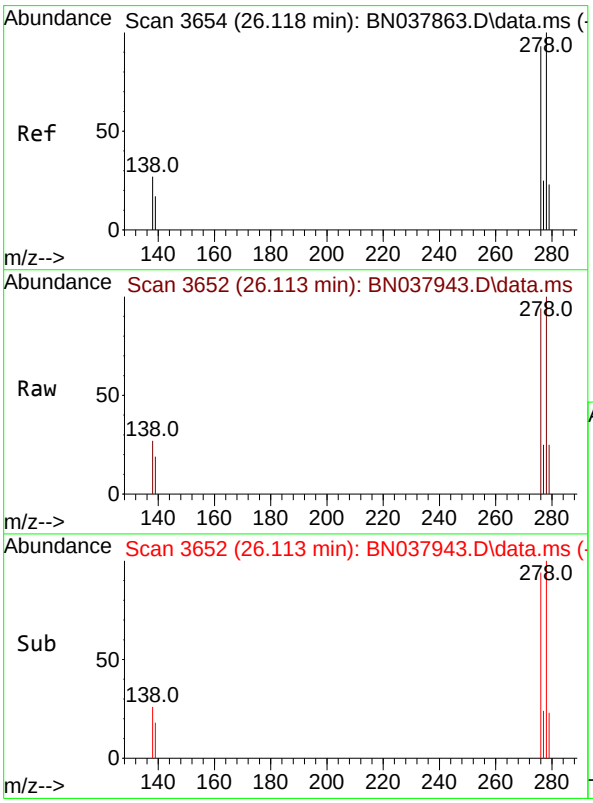
#39
Benzo(a)pyrene
Concen: 0.359 ng
RT: 23.622 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN037943.D
Acq: 30 Sep 2025 12:16

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 29300

Ion	Ratio	Lower	Upper
252	100		
253	25.1	20.6	30.8
125	18.4	16.7	25.1

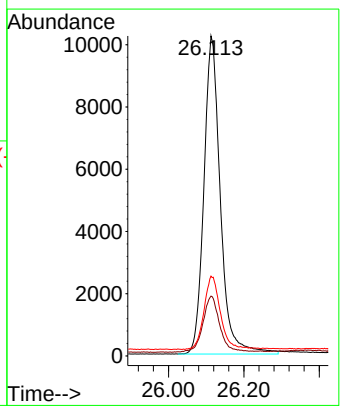


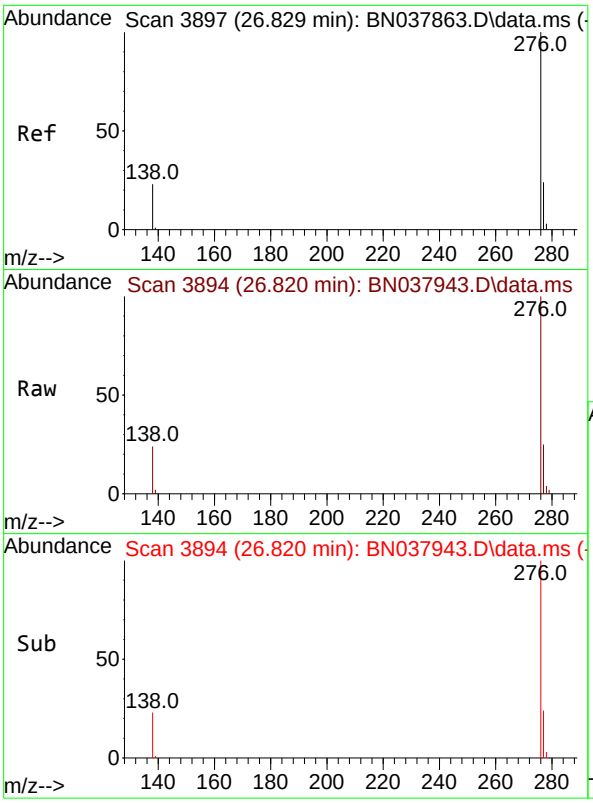


#40
Dibenzo(a,h)anthracene
Concen: 0.364 ng
RT: 26.113 min Scan# 3652
Delta R.T. -0.006 min
Lab File: BN037943.D
Acq: 30 Sep 2025 12:16

Tgt Ion:278 Resp: 31094

Ion	Ratio	Lower	Upper
278	100		
139	18.7	15.4	23.2
279	24.9	20.8	31.2



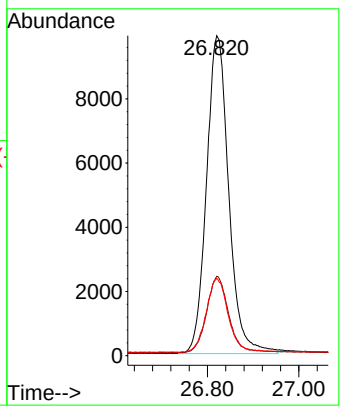


#41
Benzo(g,h,i)perylene
Concen: 0.372 ng
RT: 26.820 min Scan# 3
Delta R.T. -0.009 min
Lab File: BN037943.D
Acq: 30 Sep 2025 12:16

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 33423

Ion	Ratio	Lower	Upper
276	100		
277	24.8	20.2	30.4
138	24.2	19.8	29.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN093025\
Data File : BN037943.D
Acq On : 30 Sep 2025 12:16
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Quant Time: Sep 30 12:57:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 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	173#	-0.01
2		1,4-Dioxane	0.406	0.381	6.2	161#	0.00
3		n-Nitrosodimethylamine	0.540	0.461	14.6	154#	0.00
4	S	2-Fluorophenol	0.913	0.838	8.2	169#	0.00
5	S	Phenol-d6	1.199	1.101	8.2	170#	0.00
6		bis(2-Chloroethyl)ether	1.113	1.086	2.4	173#	0.00
7	I	Naphthalene-d8	1.000	1.000	0.0	172#	-0.01
8	S	Nitrobenzene-d5	0.305	0.275	9.8	164#	-0.01
9		Naphthalene	1.102	1.042	5.4	171#	0.00
10		Hexachlorobutadiene	0.188	0.179	4.8	170#	-0.01
11	SURR	2-Methylnaphthalene-d10	0.556	0.516	7.2	178#	0.00
12		2-Methylnaphthalene	0.720	0.675	6.2	174#	-0.01
13	I	Acenaphthene-d10	1.000	1.000	0.0	179#	-0.01
14	S	2,4,6-Tribromophenol	0.152	0.138	9.2	182#	-0.01
15	S	2-Fluorobiphenyl	1.638	1.602	2.2	184#	0.00
16		Acenaphthylene	1.816	1.673	7.9	180#	-0.01
17		Acenaphthene	1.294	1.178	9.0	176#	-0.01
18		Fluorene	1.565	1.408	10.0	173#	-0.01
19	I	Phenanthrene-d10	1.000	1.000	0.0	184#	-0.01
20		4,6-Dinitro-2-methylphenol	0.057	0.038	33.3#	159#	-0.01
21		4-Bromophenyl-phenylether	0.261	0.247	5.4	186#	-0.01
22		Hexachlorobenzene	0.316	0.298	5.7	180#	-0.01
23		Atrazine	0.199	0.164	17.6	176#	-0.01
24		Pentachlorophenol	0.108	0.094	13.0	189#	0.00
25		Phenanthrene	1.316	1.217	7.5	182#	0.00
26		Anthracene	1.142	1.019	10.8	183#	-0.01
27	SURR	Fluoranthene-d10	1.006	0.945	6.1	196#	0.00
28		Fluoranthene	1.450	1.372	5.4	193#	0.00
29	I	Chrysene-d12	1.000	1.000	0.0	195#	0.00
30		Pyrene	1.579	1.457	7.7	187#	0.00
31	S	Terphenyl-d14	0.797	0.748	6.1	194#	0.00
32		Benzo(a)anthracene	1.398	1.285	8.1	194#	0.00
33		Chrysene	1.512	1.421	6.0	190#	0.00
34		Bis(2-ethylhexyl)phthalate	0.553	0.509	8.0	204#	0.00
35	I	Perylene-d12	1.000	1.000	0.0	190#	0.00
36		Indeno(1,2,3-cd)pyrene	1.828	1.645	10.0	189#	0.00
37		Benzo(b)fluoranthene	1.725	1.633	5.3	189#	0.00
38		Benzo(k)fluoranthene	1.736	1.580	9.0	188#	0.00
39	C	Benzo(a)pyrene	1.364	1.224	10.3	189#	0.00
40		Dibenzo(a,h)anthracene	1.427	1.299	9.0	190#	0.00
41		Benzo(g,h,i)perylene	1.499	1.396	6.9	189#	0.00

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN093025\
Data File : BN037943.D
Acq On : 30 Sep 2025 12:16
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Quant Time: Sep 30 12:57:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 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	173	-0.01
2		1,4-Dioxane	0.400	0.376	6.0	161	0.00
3		n-Nitrosodimethylamine	0.400	0.342	14.5	154	0.00
4	S	2-Fluorophenol	0.400	0.367	8.3	169	0.00
5	S	Phenol-d6	0.400	0.367	8.3	170	0.00
6		bis(2-Chloroethyl)ether	0.400	0.390	2.5	173	0.00
7	I	Naphthalene-d8	0.400	0.400	0.0	172	-0.01
8	S	Nitrobenzene-d5	0.400	0.361	9.8	164	-0.01
9		Naphthalene	0.400	0.378	5.5	171	0.00
10		Hexachlorobutadiene	0.400	0.382	4.5	170	-0.01
11	SURR	2-Methylnaphthalene-d10	0.400	0.372	7.0	178	0.00
12		2-Methylnaphthalene	0.400	0.375	6.3	174	-0.01
13	I	Acenaphthene-d10	0.400	0.400	0.0	179	-0.01
14	S	2,4,6-Tribromophenol	0.400	0.364	9.0	182	-0.01
15	S	2-Fluorobiphenyl	0.400	0.391	2.3	184	0.00
16		Acenaphthylene	0.400	0.368	8.0	180	-0.01
17		Acenaphthene	0.400	0.364	9.0	176	-0.01
18		Fluorene	0.400	0.360	10.0	173	-0.01
19	I	Phenanthrene-d10	0.400	0.400	0.0	184	-0.01
20		4,6-Dinitro-2-methylphenol	0.400	0.362	9.5	159	-0.01
21		4-Bromophenyl-phenylether	0.400	0.379	5.3	186	-0.01
22		Hexachlorobenzene	0.400	0.378	5.5	180	-0.01
23		Atrazine	0.400	0.331	17.3	176	-0.01
24		Pentachlorophenol	0.400	0.347	13.3	189	0.00
25		Phenanthrene	0.400	0.370	7.5	182	0.00
26		Anthracene	0.400	0.357	10.8	183	-0.01
27	SURR	Fluoranthene-d10	0.400	0.376	6.0	196	0.00
28		Fluoranthene	0.400	0.378	5.5	193	0.00
29	I	Chrysene-d12	0.400	0.400	0.0	195	0.00
30		Pyrene	0.400	0.369	7.8	187	0.00
31	S	Terphenyl-d14	0.400	0.376	6.0	194	0.00
32		Benzo(a)anthracene	0.400	0.368	8.0	194	0.00
33		Chrysene	0.400	0.376	6.0	190	0.00
34		Bis(2-ethylhexyl)phthalate	0.400	0.368	8.0	204	0.00
35	I	Perylene-d12	0.400	0.400	0.0	190	0.00
36		Indeno(1,2,3-cd)pyrene	0.400	0.360	10.0	189	0.00
37		Benzo(b)fluoranthene	0.400	0.379	5.3	189	0.00
38		Benzo(k)fluoranthene	0.400	0.364	9.0	188	0.00
39	C	Benzo(a)pyrene	0.400	0.359	10.3	189	0.00
40		Dibenzo(a,h)anthracene	0.400	0.364	9.0	190	0.00
41		Benzo(g,h,i)perylene	0.400	0.372	7.0	189	0.00

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

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	Alliance	Contract:	AECO15		
Lab Code:	ACE	SDG No.:	Q3156		
Instrument ID:	BNA_N	Calibration Date/Time:	09/30/2025	23:14	
Lab File ID:	BN037959.D	Init. Calib. Date(s):	09/23/2025	09/23/2025	
EPA Sample No.:	SSTDCCC0.4EC	Init. Calib. Time(s):	12:13	15:51	

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.556	0.479		-13.8	50.0
Fluoranthene-d10	1.006	0.916		-8.9	50.0
2-Fluorophenol	0.913	0.835		-8.5	50.0
Phenol-d6	1.199	1.111		-7.3	50.0
Nitrobenzene-d5	0.305	0.260		-14.8	50.0
2-Fluorobiphenyl	1.638	1.550		-5.4	50.0
2,4,6-Tribromophenol	0.152	0.135		-11.2	50.0
Terphenyl-d14	0.797	0.784		-1.6	50.0
1,4-Dioxane	0.406	0.400		-1.5	50.0

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN093025\
Data File : BN037959.D
Acq On : 30 Sep 2025 23:14
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Quant Time: Oct 01 01:24:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration

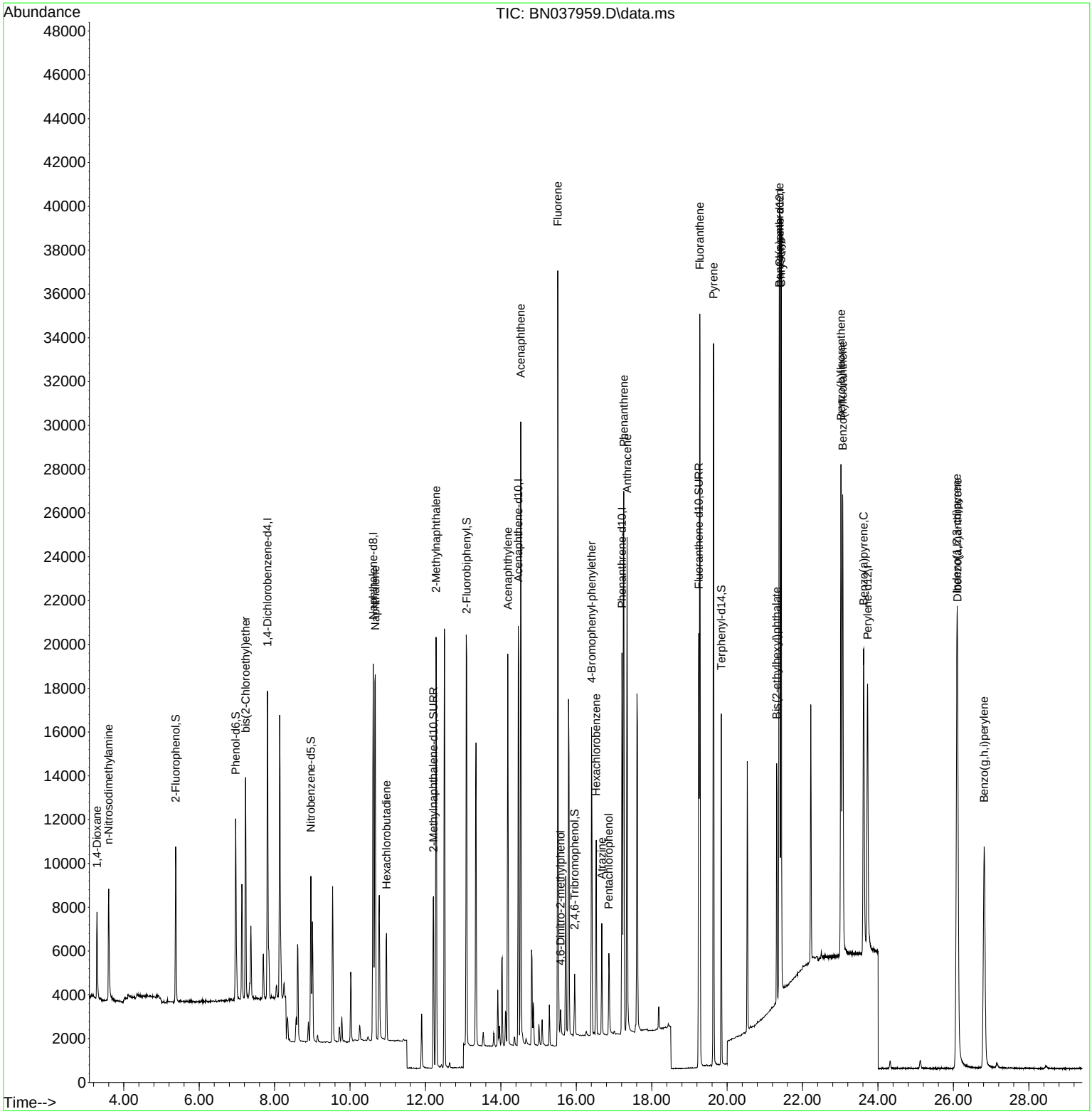
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.811	152	6962	0.400	ng		-0.01
7) Naphthalene-d8	10.616	136	22274	0.400	ng		-0.01
13) Acenaphthene-d10	14.462	164	11303	0.400	ng		-0.01
19) Phenanthrene-d10	17.211	188	22843	0.400	ng		#-0.01
29) Chrysene-d12	21.393	240	19389	0.400	ng		# 0.00
35) Perylene-d12	23.724	264	17270	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.377	112	5812	0.366	ng		0.00
5) Phenol-d6	6.966	99	7738	0.371	ng		0.00
8) Nitrobenzene-d5	8.961	82	5785	0.341	ng		-0.01
11) 2-Methylnaphthalene-d10	12.212	152	10669	0.345	ng		0.00
14) 2,4,6-Tribromophenol	15.957	330	1527	0.356	ng		-0.01
15) 2-Fluorobiphenyl	13.094	172	17524	0.379	ng		0.00
27) Fluoranthene-d10	19.248	212	20934	0.364	ng		0.00
31) Terphenyl-d14	19.847	244	15207	0.394	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.290	88	2786	0.394	ng		98
3) n-Nitrosodimethylamine	3.600	42	3486	0.371	ng	#	93
6) bis(2-Chloroethyl)ether	7.233	93	7620	0.393	ng		99
9) Naphthalene	10.669	128	23466	0.382	ng		98
10) Hexachlorobutadiene	10.968	225	4128	0.394	ng	#	98
12) 2-Methylnaphthalene	12.283	142	14163	0.353	ng		98
16) Acenaphthylene	14.184	152	19325	0.377	ng		100
17) Acenaphthene	14.527	154	13554	0.371	ng		100
18) Fluorene	15.510	166	16333	0.369	ng		99
20) 4,6-Dinitro-2-methylph...	15.585	198	848	0.357	ng	#	69
21) 4-Bromophenyl-phenylether	16.404	248	5503	0.370	ng	#	80
22) Hexachlorobenzene	16.528	284	6957	0.386	ng		100
23) Atrazine	16.677	200	3775	0.333	ng	#	94
24) Pentachlorophenol	16.863	266	2034	0.328	ng		99
25) Phenanthrene	17.260	178	28056	0.373	ng		100
26) Anthracene	17.347	178	23482	0.360	ng		99
28) Fluoranthene	19.276	202	30363	0.367	ng		99
30) Pyrene	19.638	202	29941	0.391	ng		100
32) Benzo(a)anthracene	21.384	228	24854	0.367	ng		99
33) Chrysene	21.429	228	28842	0.394	ng		99
34) Bis(2-ethylhexyl)phtha...	21.313	149	10581	0.395	ng		100
36) Indeno(1,2,3-cd)pyrene	26.092	276	28797	0.365	ng		99
37) Benzo(b)fluoranthene	23.019	252	28688	0.385	ng		99
38) Benzo(k)fluoranthene	23.063	252	28400	0.379	ng		99
39) Benzo(a)pyrene	23.619	252	22053	0.374	ng		98
40) Dibenzo(a,h)anthracene	26.110	278	22511	0.365	ng		99
41) Benzo(g,h,i)perylene	26.814	276	22655	0.350	ng		99

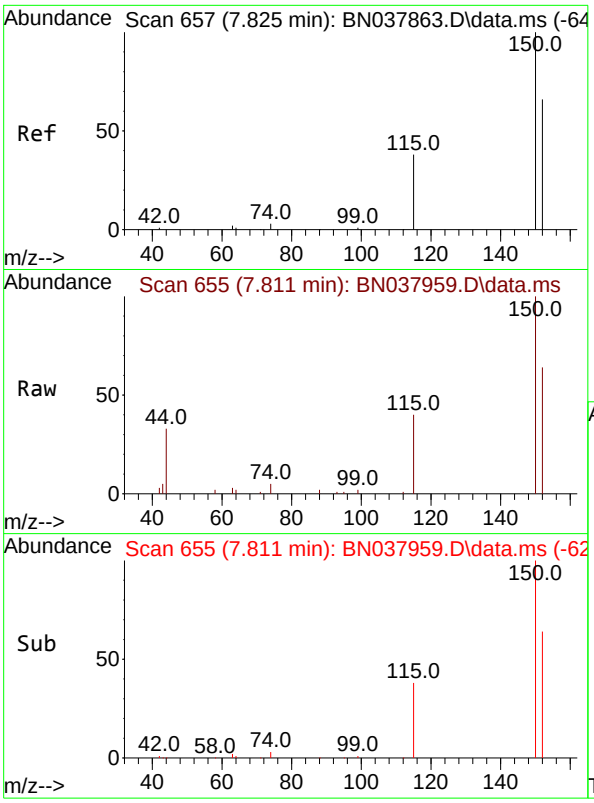
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN093025\
Data File : BN037959.D
Acq On : 30 Sep 2025 23:14
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Quant Time: Oct 01 01:24:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration



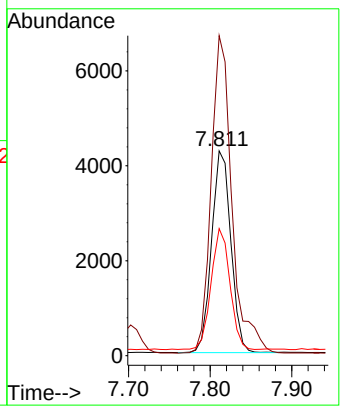


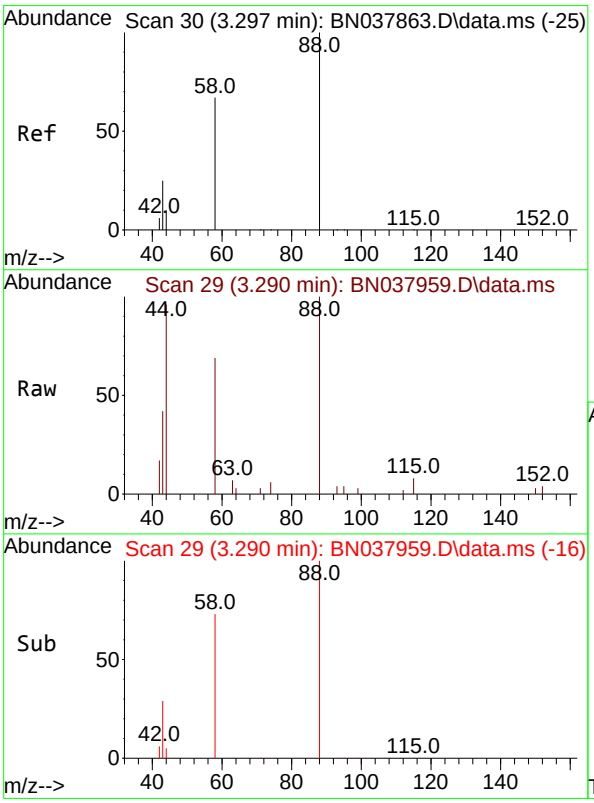
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.811 min Scan# 6
Delta R.T. -0.014 min
Lab File: BN037959.D
Acq: 30 Sep 2025 23:14

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 6962

Ion	Ratio	Lower	Upper
152	100		
150	156.2	121.0	181.4
115	62.1	47.4	71.0

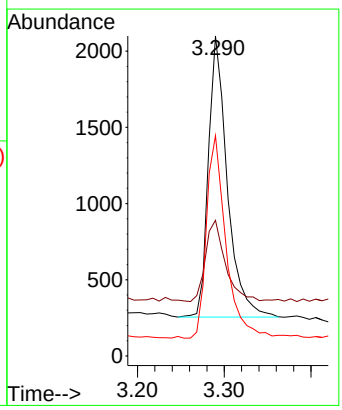


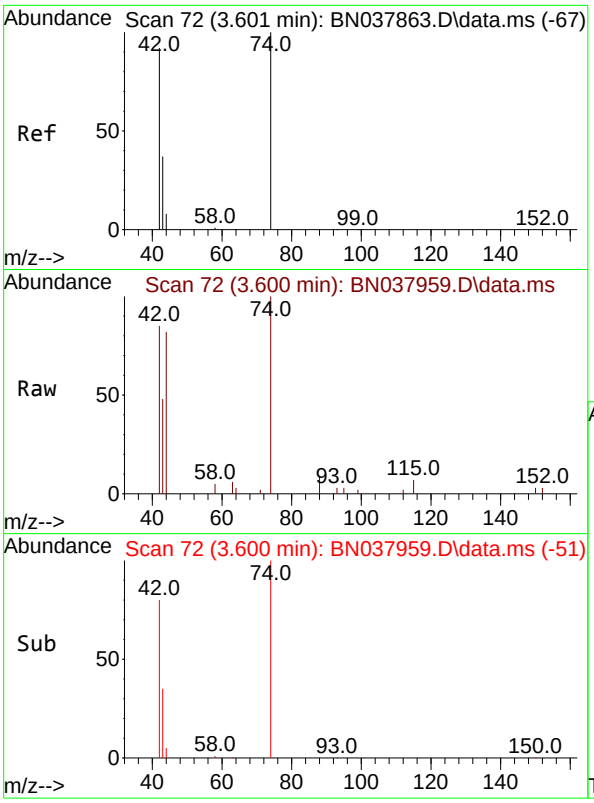


#2
1,4-Dioxane
Concen: 0.394 ng
RT: 3.290 min Scan# 29
Delta R.T. -0.007 min
Lab File: BN037959.D
Acq: 30 Sep 2025 23:14

Tgt Ion: 88 Resp: 2786

Ion	Ratio	Lower	Upper
88	100		
43	29.9	26.6	39.8
58	74.2	58.9	88.3



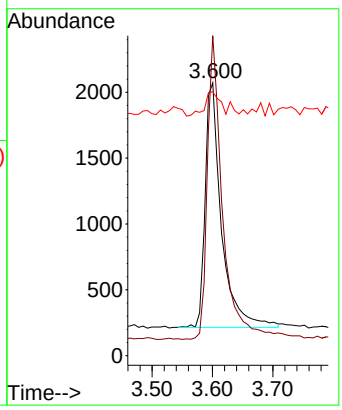


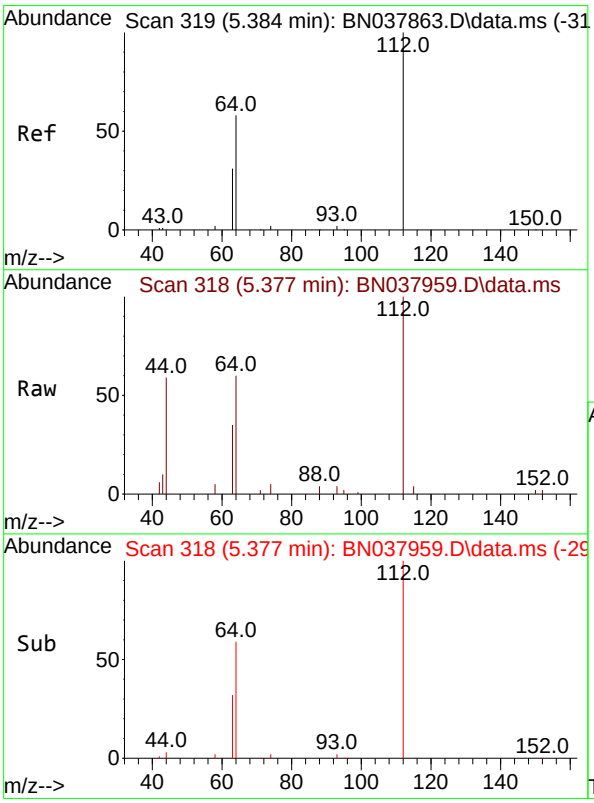
#3
n-Nitrosodimethylamine
Concen: 0.371 ng
RT: 3.600 min Scan# 7
Delta R.T. -0.000 min
Lab File: BN037959.D
Acq: 30 Sep 2025 23:14

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 42 Resp: 3486

Ion	Ratio	Lower	Upper
42	100		
74	116.6	93.4	140.0
44	9.2	22.2	33.4#

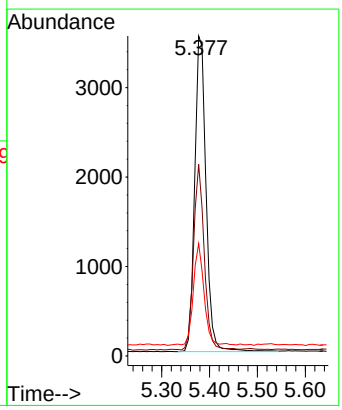


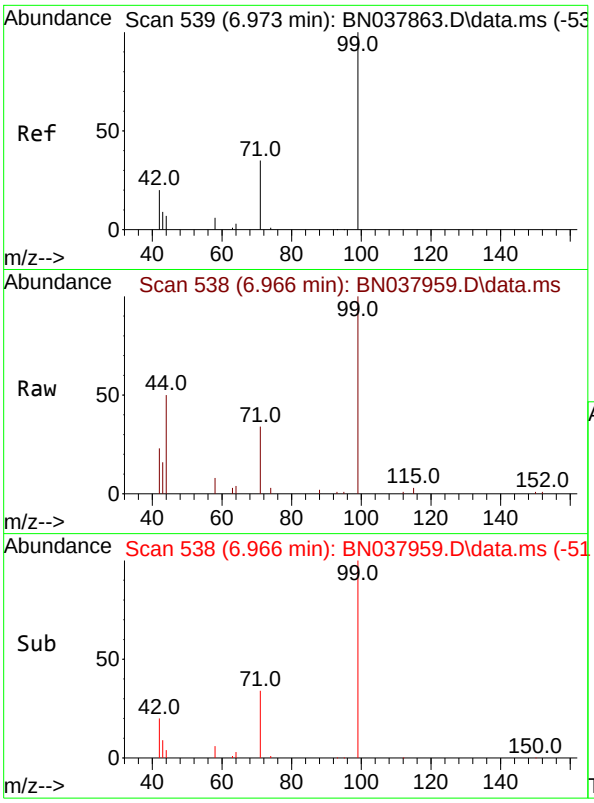


#4
2-Fluorophenol
Concen: 0.366 ng
RT: 5.377 min Scan# 318
Delta R.T. -0.007 min
Lab File: BN037959.D
Acq: 30 Sep 2025 23:14

Tgt Ion:112 Resp: 5812

Ion	Ratio	Lower	Upper
112	100		
64	55.4	44.6	66.8
63	30.7	24.9	37.3



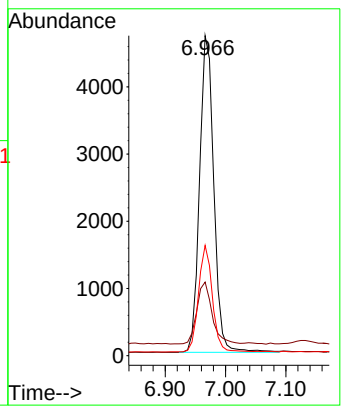


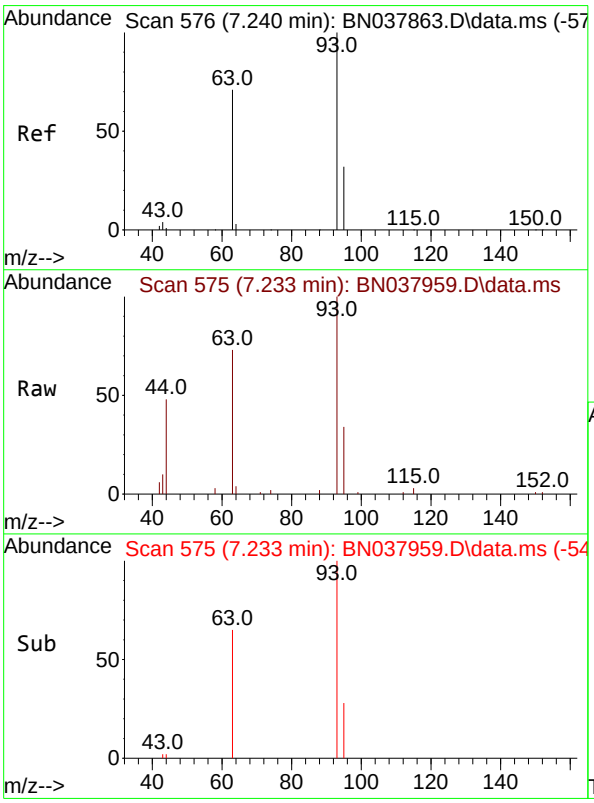
#5
Phenol-d6
Concen: 0.371 ng
RT: 6.966 min Scan# 5
Delta R.T. -0.007 min
Lab File: BN037959.D
Acq: 30 Sep 2025 23:14

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 99 Resp: 7738

Ion	Ratio	Lower	Upper
99	100		
42	20.7	17.2	25.8
71	32.7	27.3	40.9

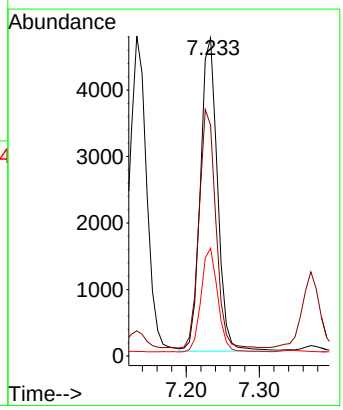


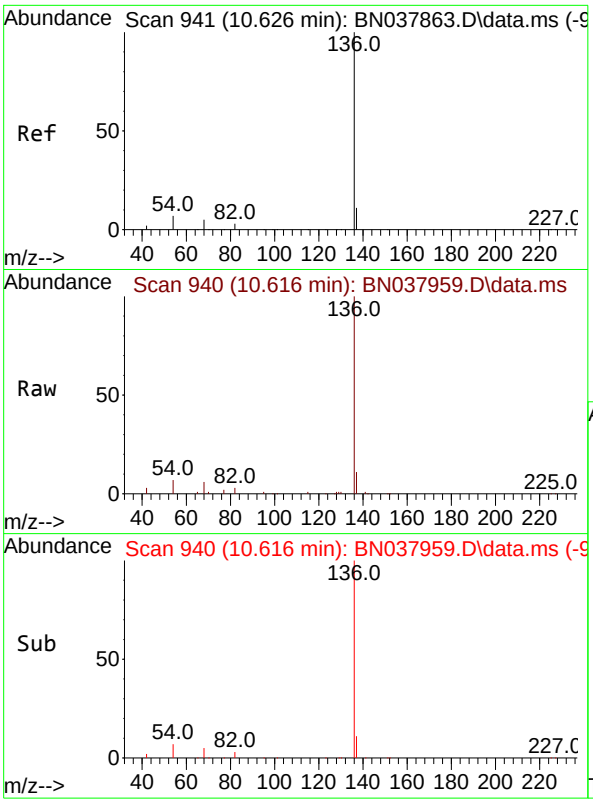


#6
bis(2-Chloroethyl)ether
Concen: 0.393 ng
RT: 7.233 min Scan# 575
Delta R.T. -0.007 min
Lab File: BN037959.D
Acq: 30 Sep 2025 23:14

Tgt Ion: 93 Resp: 7620

Ion	Ratio	Lower	Upper
93	100		
63	74.7	60.1	90.1
95	32.5	25.4	38.2



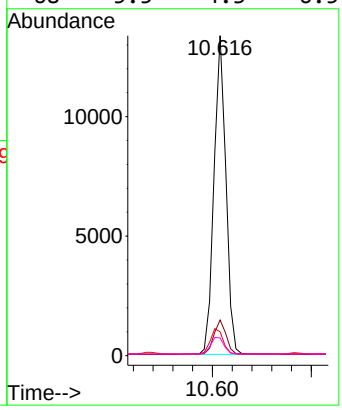


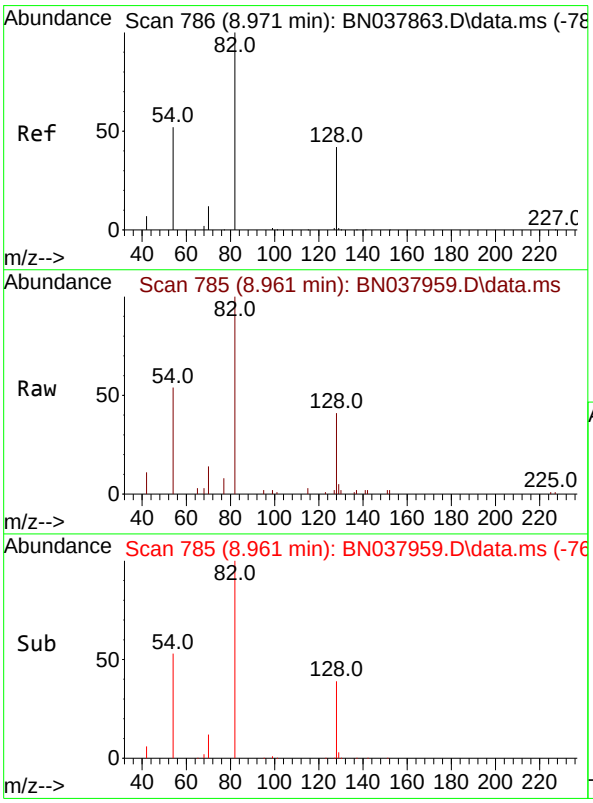
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.616 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037959.D
Acq: 30 Sep 2025 23:14

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:136 Resp: 22274

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	7.4	5.8	8.8
68	5.5	4.3	6.5

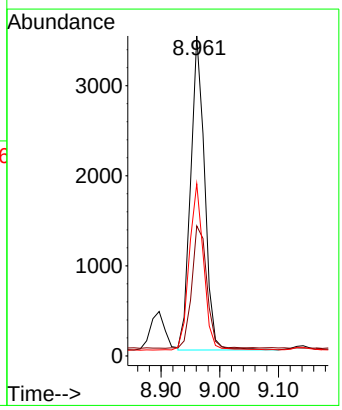


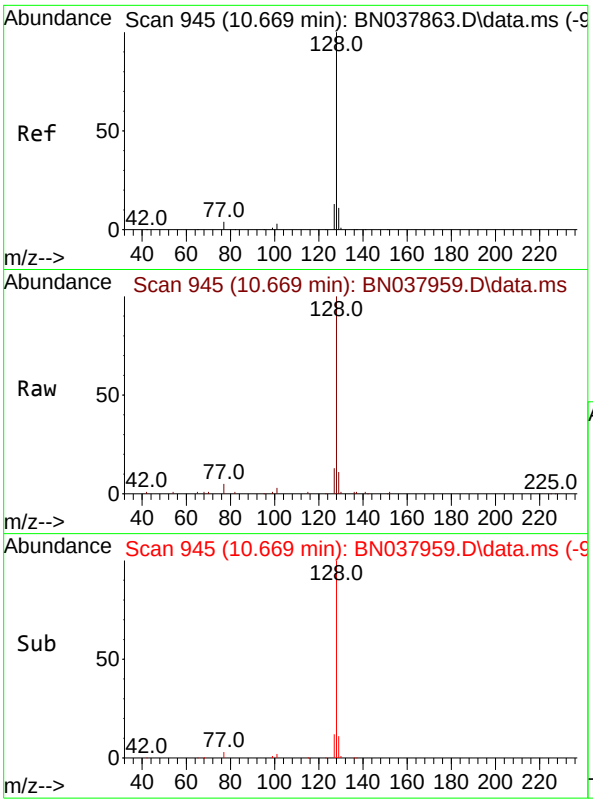


#8
Nitrobenzene-d5
Concen: 0.341 ng
RT: 8.961 min Scan# 785
Delta R.T. -0.011 min
Lab File: BN037959.D
Acq: 30 Sep 2025 23:14

Tgt Ion: 82 Resp: 5785

Ion	Ratio	Lower	Upper
82	100		
128	40.7	34.8	52.2
54	53.8	42.2	63.2



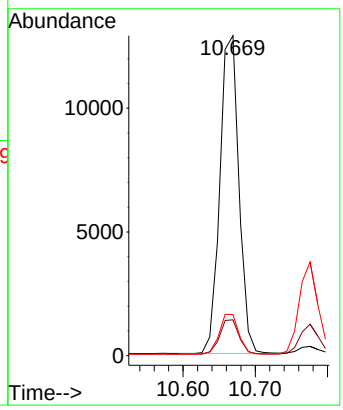


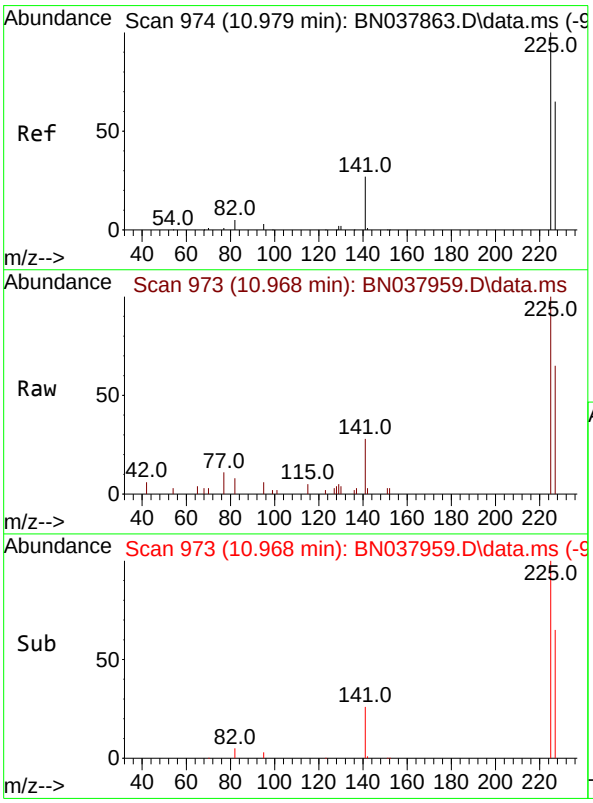
#9
Naphthalene
Concen: 0.382 ng
RT: 10.669 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN037959.D
Acq: 30 Sep 2025 23:14

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:128 Resp: 23466

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.2	13.8
127	12.8	11.0	16.6

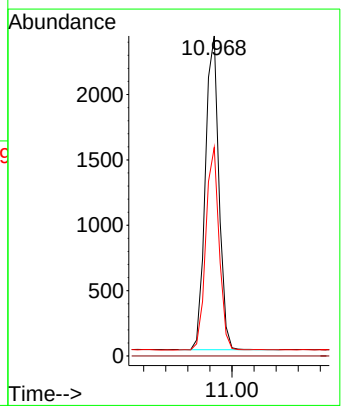


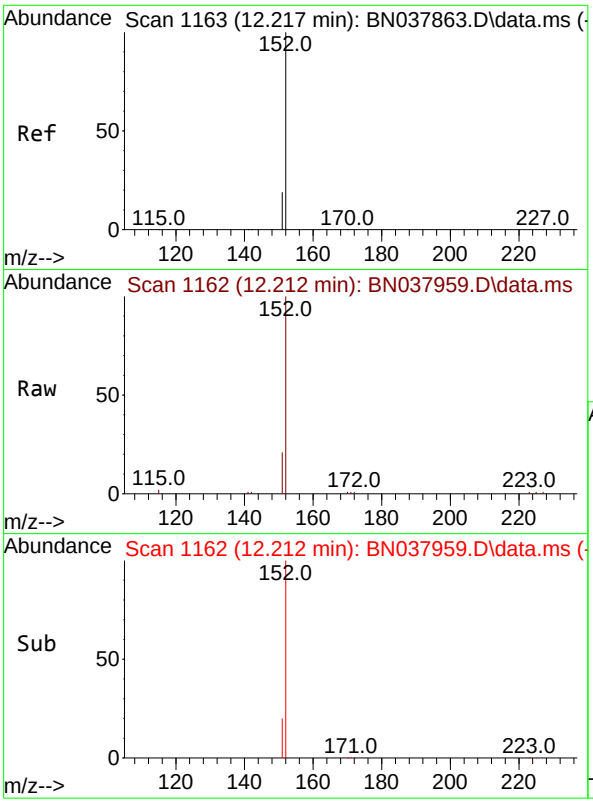


#10
Hexachlorobutadiene
Concen: 0.394 ng
RT: 10.968 min Scan# 973
Delta R.T. -0.011 min
Lab File: BN037959.D
Acq: 30 Sep 2025 23:14

Tgt Ion:225 Resp: 4128

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.1	51.4	77.2



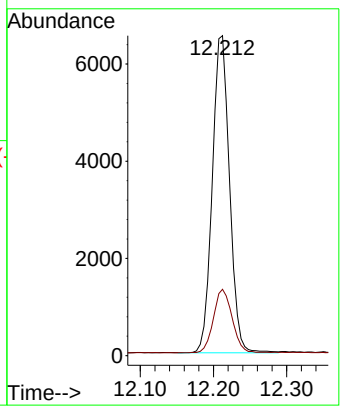


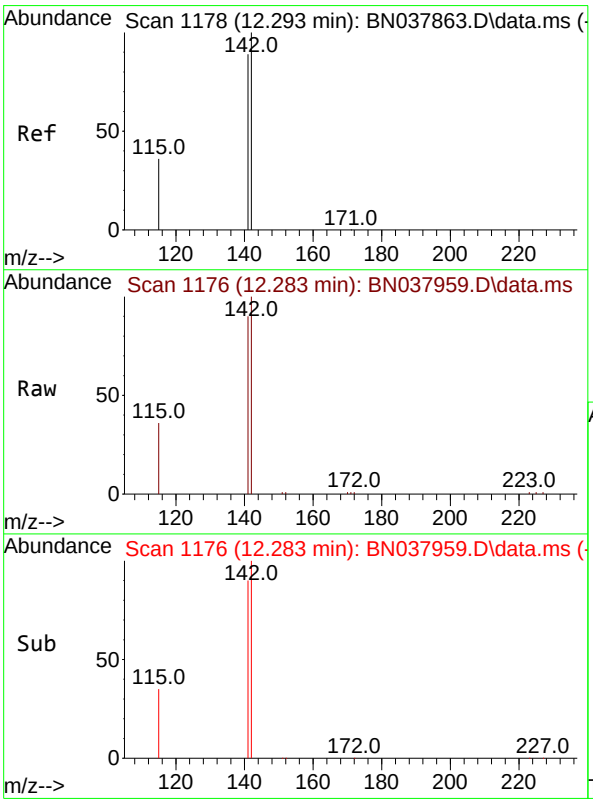
#11
2-Methylnaphthalene-d10
Concen: 0.345 ng
RT: 12.212 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN037959.D
Acq: 30 Sep 2025 23:14

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 10669

Ion	Ratio	Lower	Upper
152	100		
151	21.8	17.4	26.2

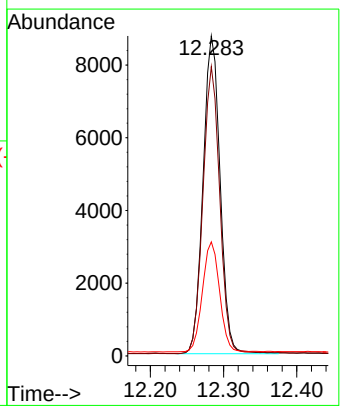


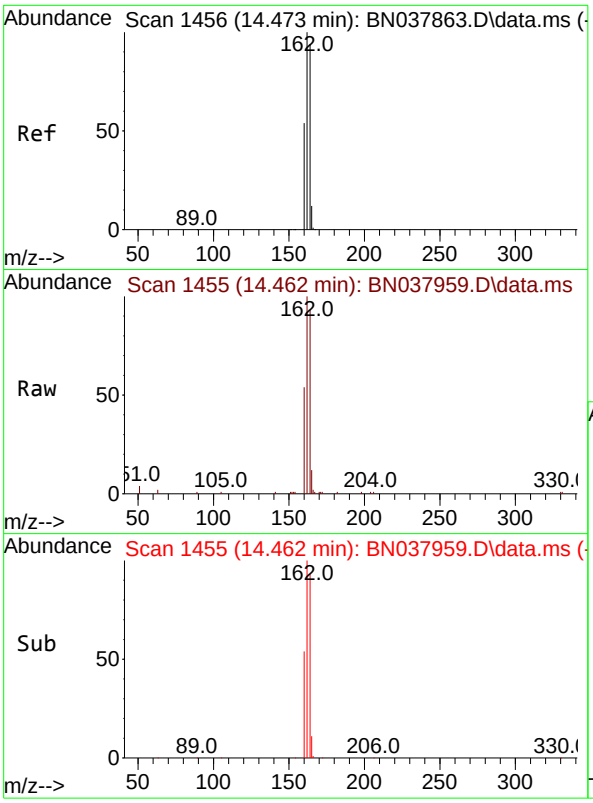


#12
2-Methylnaphthalene
Concen: 0.353 ng
RT: 12.283 min Scan# 1176
Delta R.T. -0.010 min
Lab File: BN037959.D
Acq: 30 Sep 2025 23:14

Tgt Ion:142 Resp: 14163

Ion	Ratio	Lower	Upper
142	100		
141	90.4	71.2	106.8
115	35.6	29.7	44.5



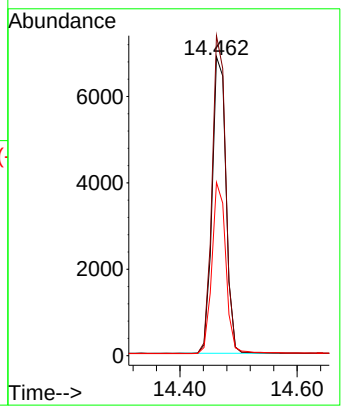


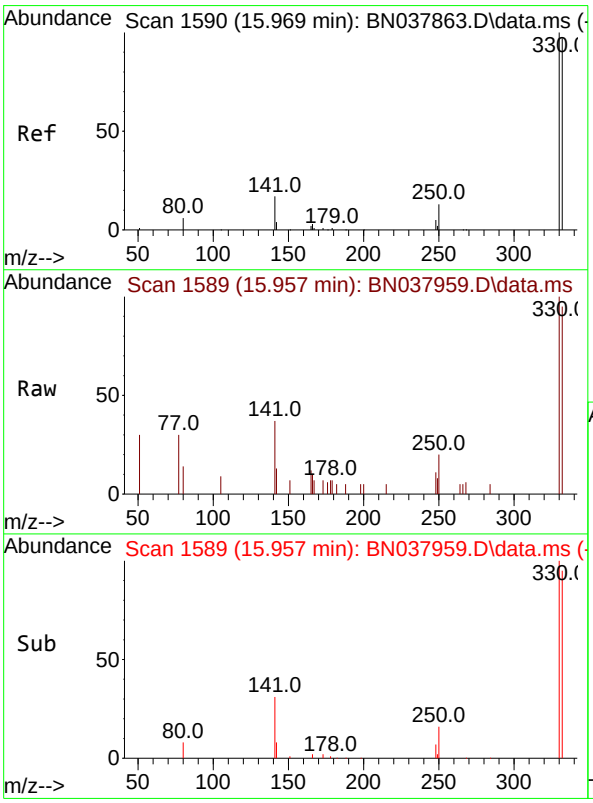
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.462 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN037959.D
Acq: 30 Sep 2025 23:14

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:164 Resp: 11303

Ion	Ratio	Lower	Upper
164	100		
162	107.1	84.8	127.2
160	58.0	46.1	69.1

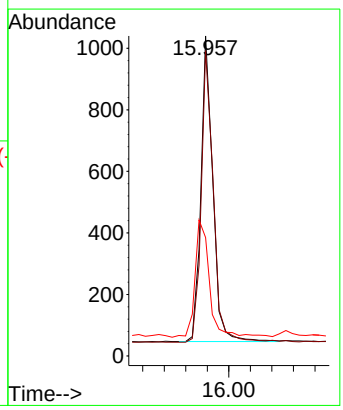


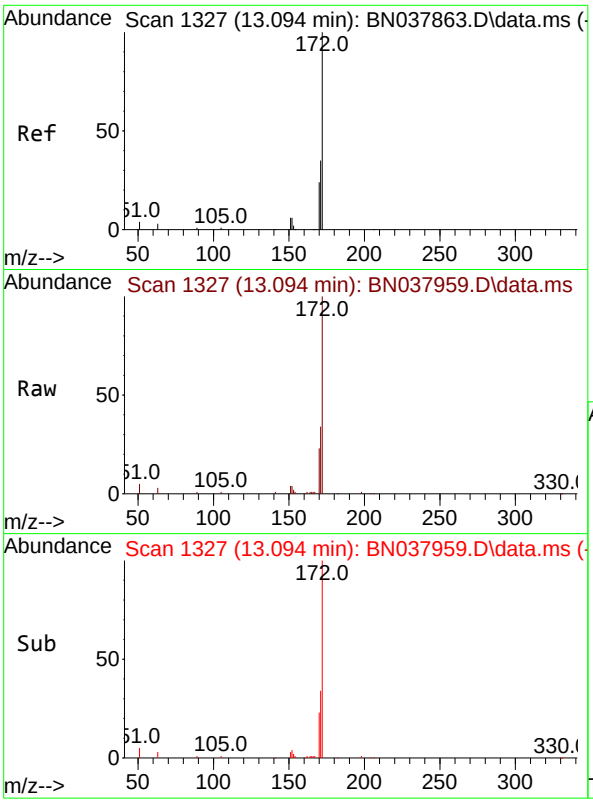


#14
2,4,6-Tribromophenol
Concen: 0.356 ng
RT: 15.957 min Scan# 1589
Delta R.T. -0.012 min
Lab File: BN037959.D
Acq: 30 Sep 2025 23:14

Tgt Ion:330 Resp: 1527

Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.2	115.8
141	46.7	37.2	55.8



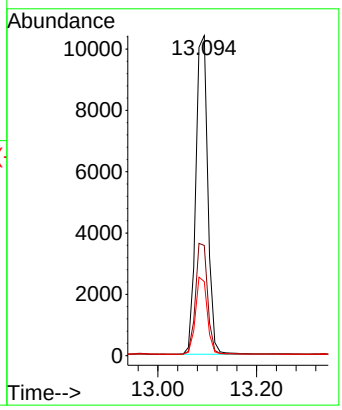


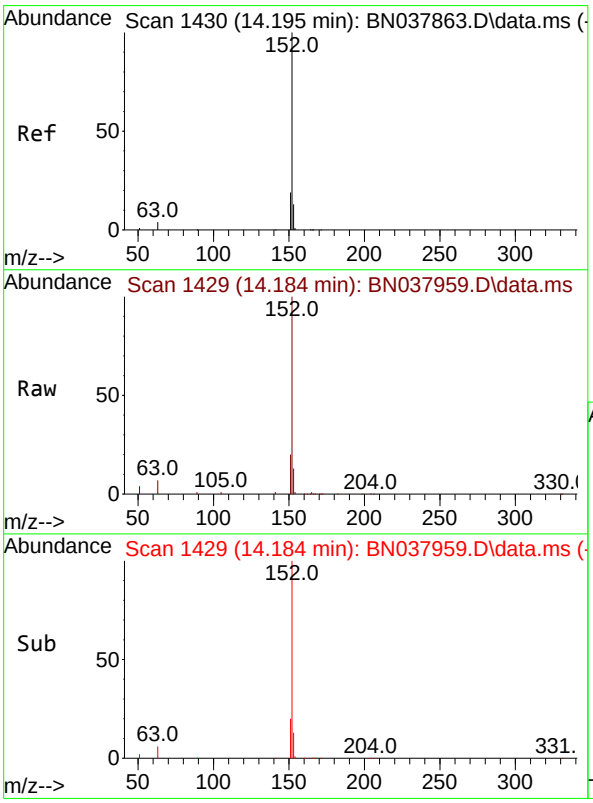
#15
2-Fluorobiphenyl
Concen: 0.379 ng
RT: 13.094 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037959.D
Acq: 30 Sep 2025 23:14

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:172 Resp: 17524

Ion	Ratio	Lower	Upper
172	100		
171	34.4	28.6	43.0
170	23.2	19.7	29.5

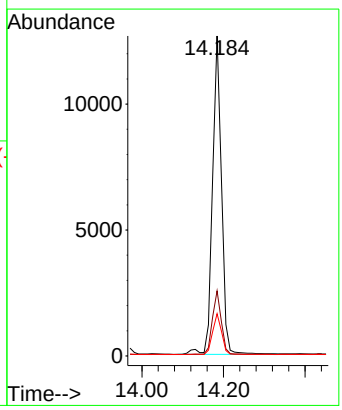


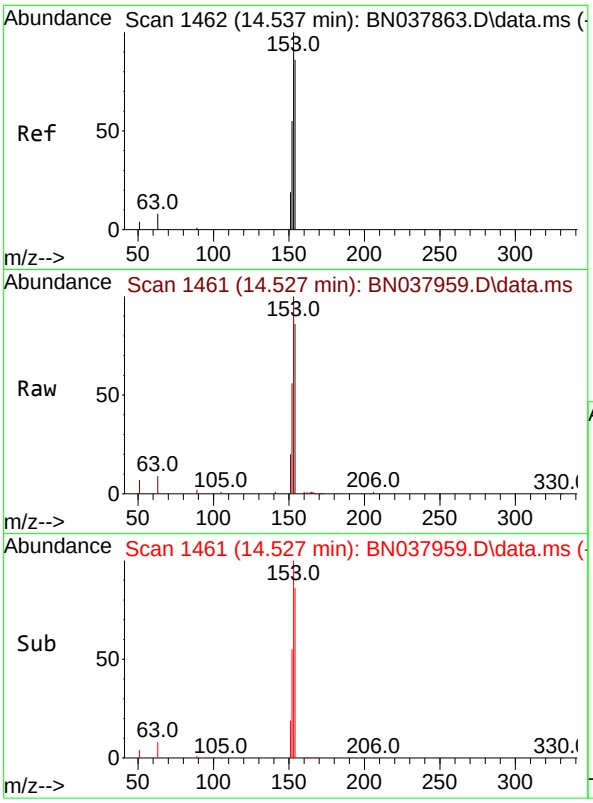


#16
Acenaphthylene
Concen: 0.377 ng
RT: 14.184 min Scan# 1429
Delta R.T. -0.011 min
Lab File: BN037959.D
Acq: 30 Sep 2025 23:14

Tgt Ion:152 Resp: 19325

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.8	23.8
153	13.0	10.5	15.7



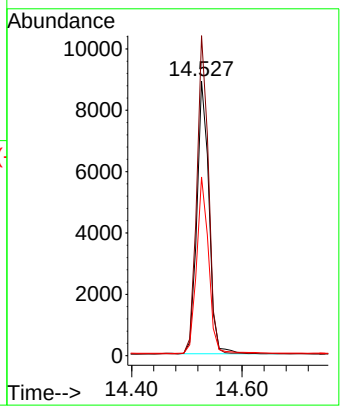


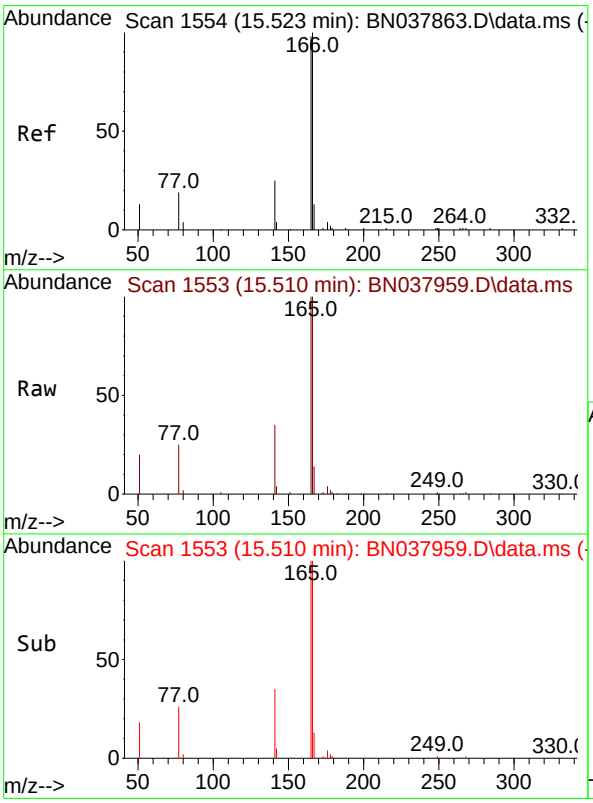
#17
Acenaphthene
Concen: 0.371 ng
RT: 14.527 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN037959.D
Acq: 30 Sep 2025 23:14

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:154 Resp: 13554

Ion	Ratio	Lower	Upper
154	100		
153	113.3	90.5	135.7
152	64.3	51.8	77.8

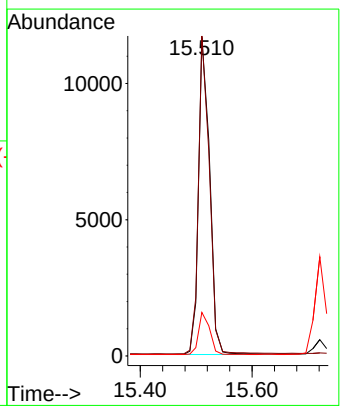


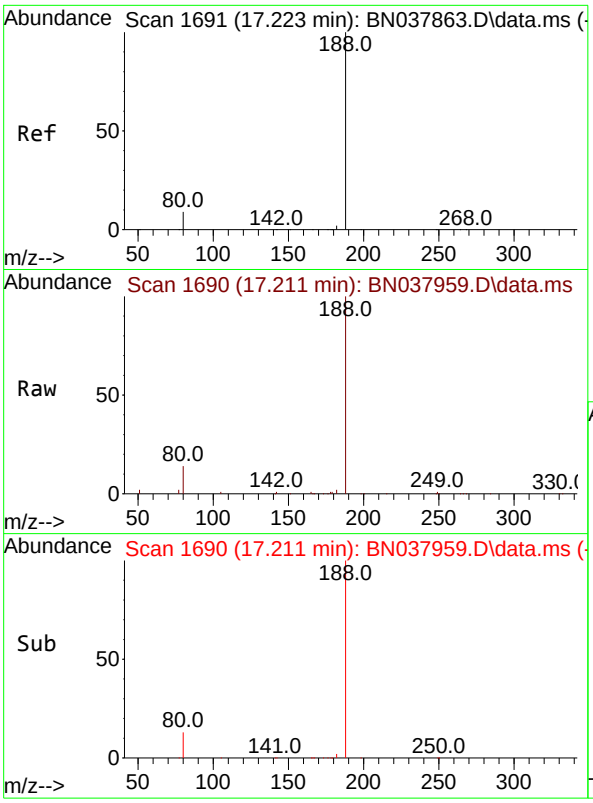


#18
Fluorene
Concen: 0.369 ng
RT: 15.510 min Scan# 1553
Delta R.T. -0.012 min
Lab File: BN037959.D
Acq: 30 Sep 2025 23:14

Tgt Ion:166 Resp: 16333

Ion	Ratio	Lower	Upper
166	100		
165	97.8	79.0	118.4
167	13.0	10.6	16.0



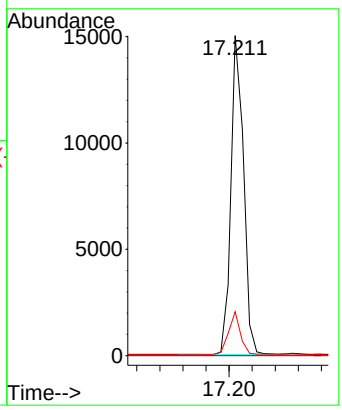


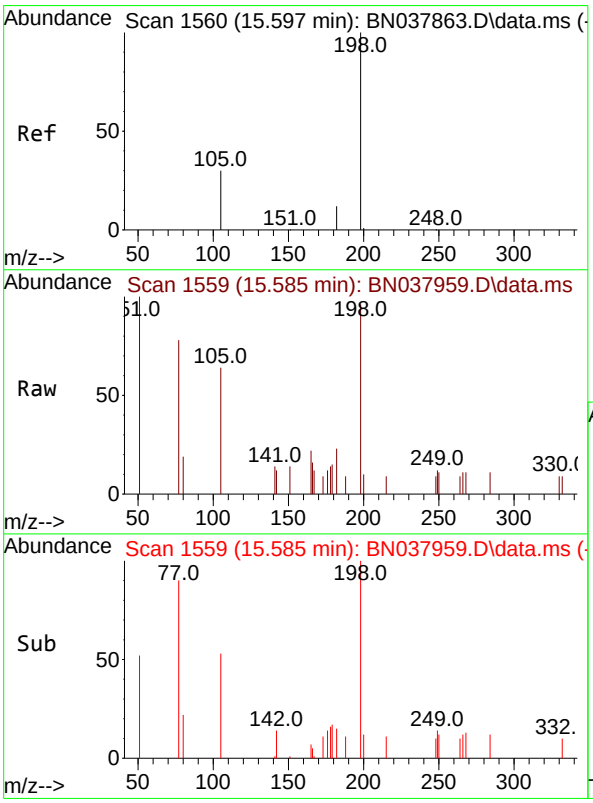
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.211 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037959.D
Acq: 30 Sep 2025 23:14

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:188 Resp: 22843

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	13.7	7.6	11.4#

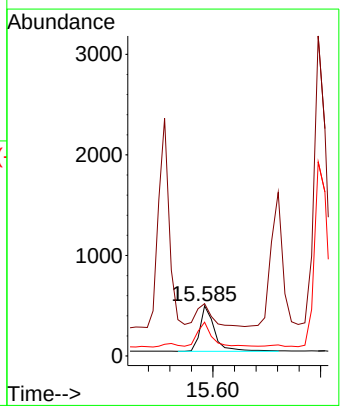


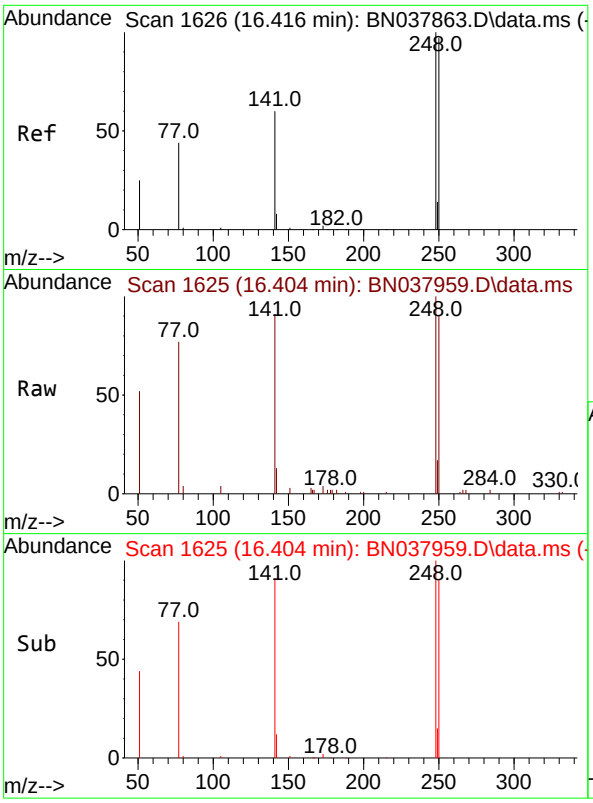


#20
4,6-Dinitro-2-methylphenol
Concen: 0.357 ng
RT: 15.585 min Scan# 1559
Delta R.T. -0.012 min
Lab File: BN037959.D
Acq: 30 Sep 2025 23:14

Tgt Ion:198 Resp: 848

Ion	Ratio	Lower	Upper
198	100		
51	104.6	59.1	88.7#
105	67.5	41.3	61.9#



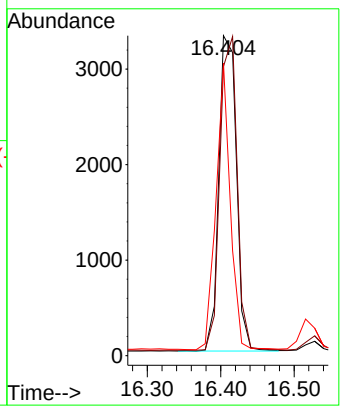


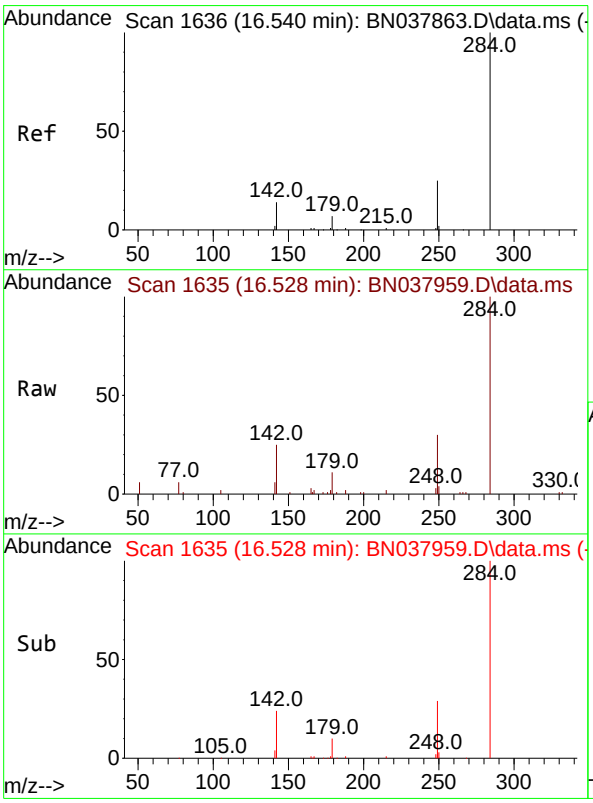
#21
4-Bromophenyl-phenylether
Concen: 0.370 ng
RT: 16.404 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037959.D
Acq: 30 Sep 2025 23:14

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:248 Resp: 5503

Ion	Ratio	Lower	Upper
248	100		
250	90.4	77.6	116.4
141	91.5	48.8	73.2#

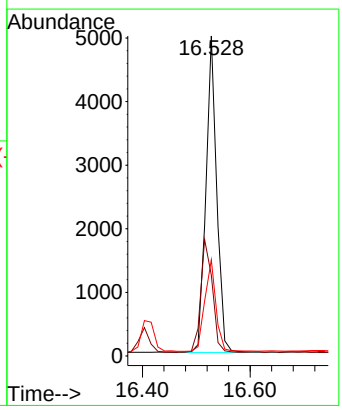


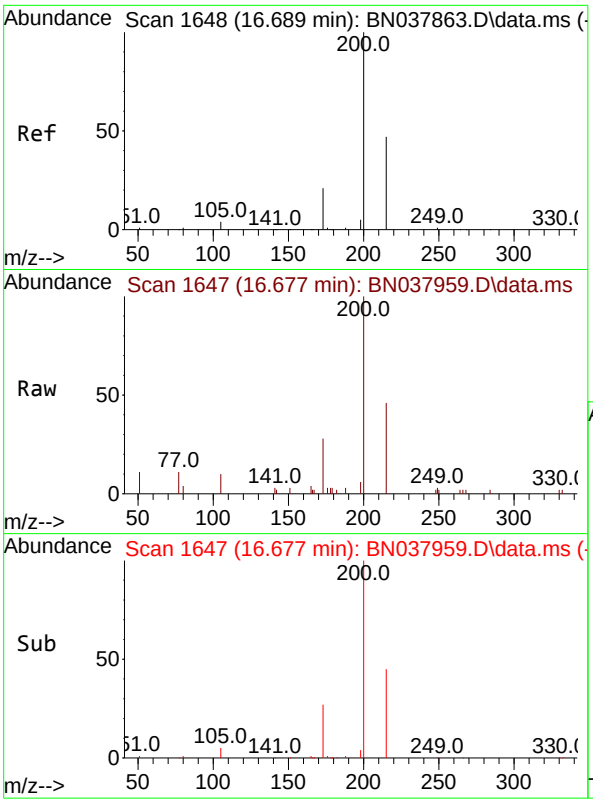


#22
Hexachlorobenzene
Concen: 0.386 ng
RT: 16.528 min Scan# 1635
Delta R.T. -0.012 min
Lab File: BN037959.D
Acq: 30 Sep 2025 23:14

Tgt Ion:284 Resp: 6957

Ion	Ratio	Lower	Upper
284	100		
142	38.2	30.9	46.3
249	30.0	23.9	35.9



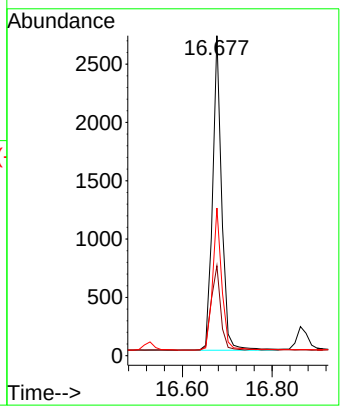


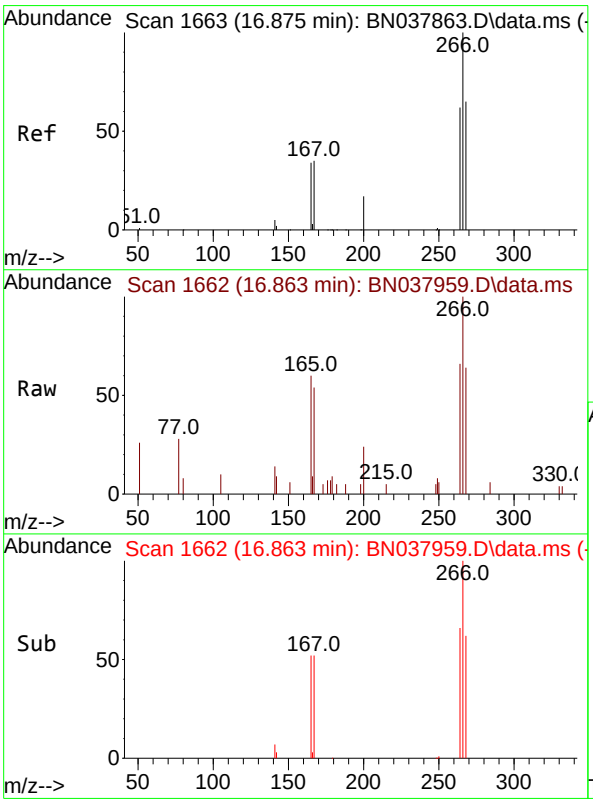
#23
Atrazine
Concen: 0.333 ng
RT: 16.677 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037959.D
Acq: 30 Sep 2025 23:14

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:200 Resp: 3775

Ion	Ratio	Lower	Upper
200	100		
173	28.1	18.3	27.5#
215	46.2	38.6	58.0

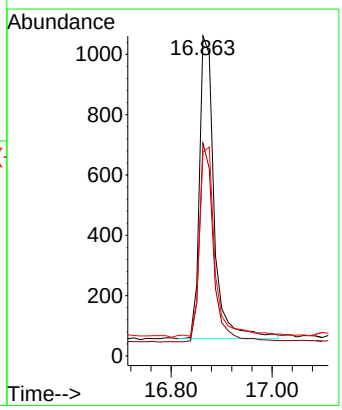


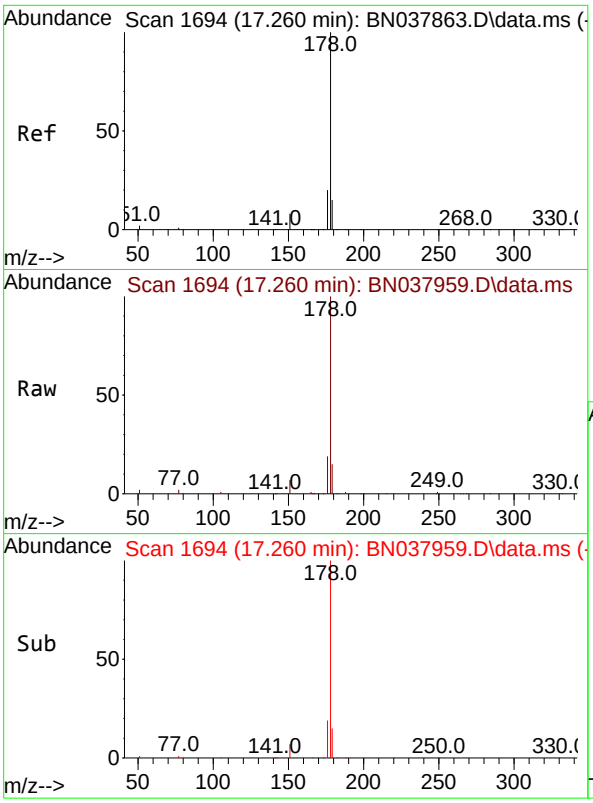


#24
Pentachlorophenol
Concen: 0.328 ng
RT: 16.863 min Scan# 1662
Delta R.T. -0.012 min
Lab File: BN037959.D
Acq: 30 Sep 2025 23:14

Tgt Ion:266 Resp: 2034

Ion	Ratio	Lower	Upper
266	100		
264	62.9	50.9	76.3
268	66.5	54.3	81.5



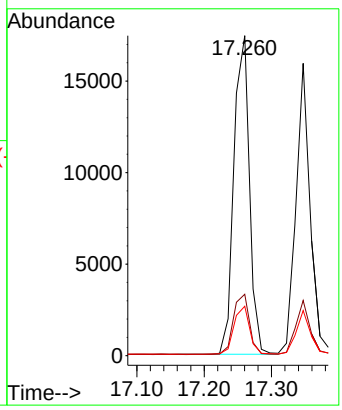


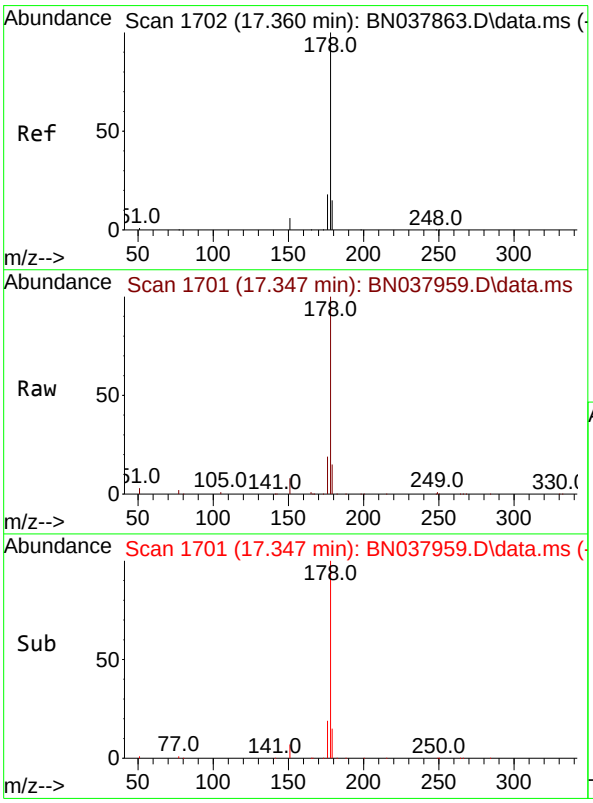
#25
Phenanthrene
Concen: 0.373 ng
RT: 17.260 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037959.D
Acq: 30 Sep 2025 23:14

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:178 Resp: 28056

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.7	23.5
179	15.2	12.3	18.5

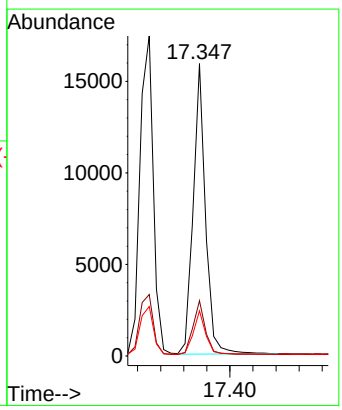


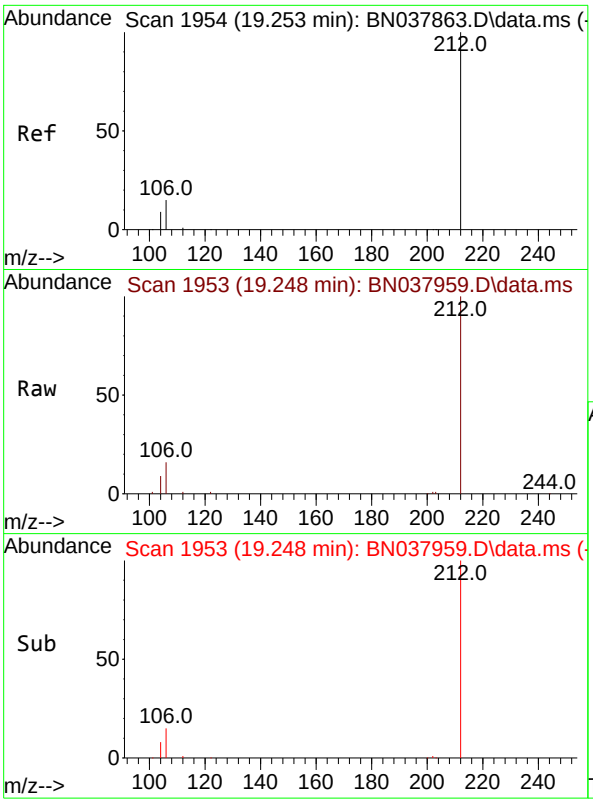


#26
Anthracene
Concen: 0.360 ng
RT: 17.347 min Scan# 1701
Delta R.T. -0.012 min
Lab File: BN037959.D
Acq: 30 Sep 2025 23:14

Tgt Ion:178 Resp: 23482

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.0	22.4
179	15.1	12.3	18.5



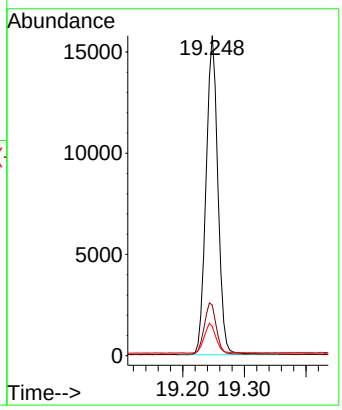


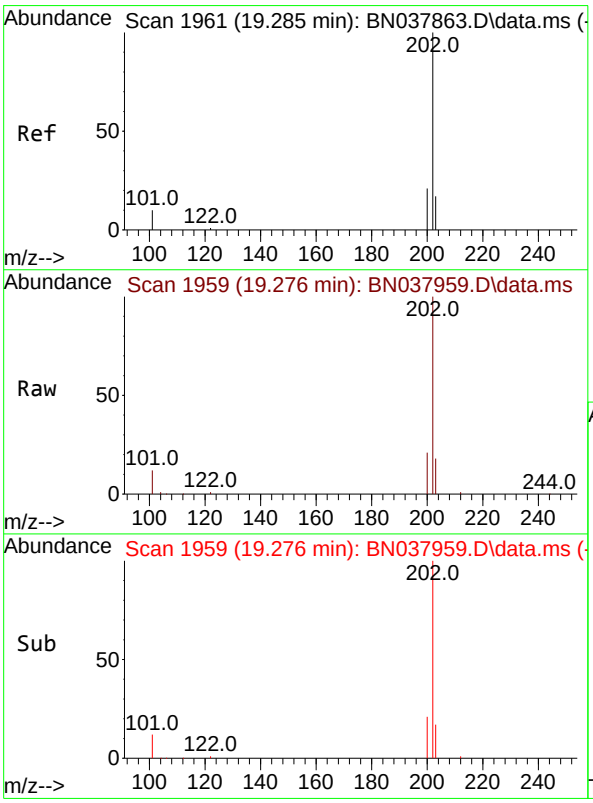
#27
Fluoranthene-d10
Concen: 0.364 ng
RT: 19.248 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN037959.D
Acq: 30 Sep 2025 23:14

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:212 Resp: 20934

Ion	Ratio	Lower	Upper
212	100		
106	16.3	12.6	19.0
104	9.4	7.4	11.0

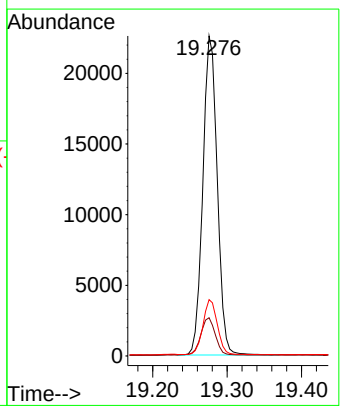


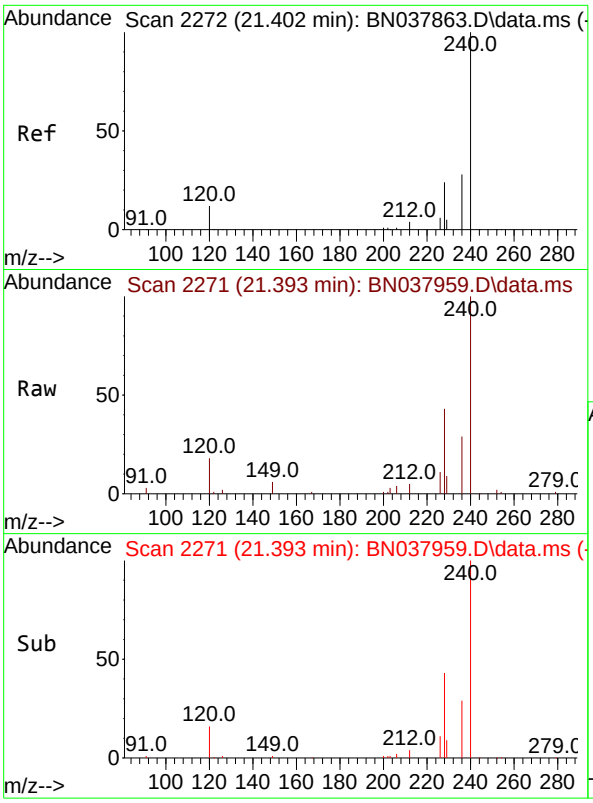


#28
Fluoranthene
Concen: 0.367 ng
RT: 19.276 min Scan# 1959
Delta R.T. -0.009 min
Lab File: BN037959.D
Acq: 30 Sep 2025 23:14

Tgt Ion:202 Resp: 30363

Ion	Ratio	Lower	Upper
202	100		
101	12.0	9.3	13.9
203	17.1	13.6	20.4



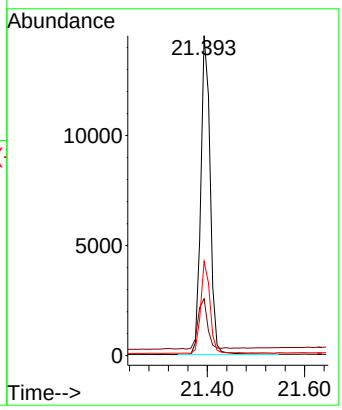


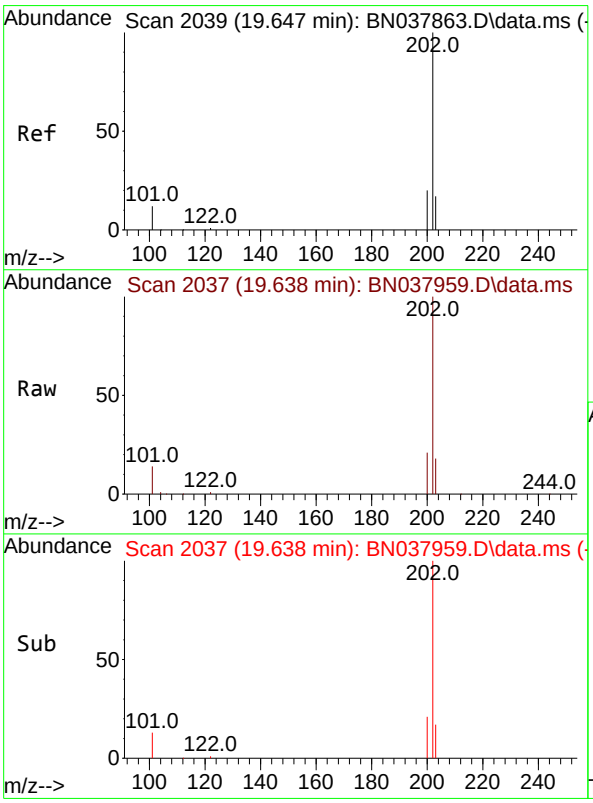
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.393 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037959.D
Acq: 30 Sep 2025 23:14

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:240 Resp: 19389

Ion	Ratio	Lower	Upper
240	100		
120	17.8	11.4	17.2#
236	29.5	23.0	34.6

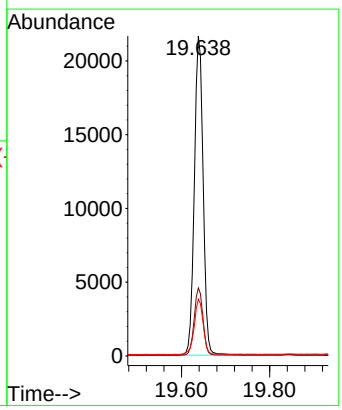


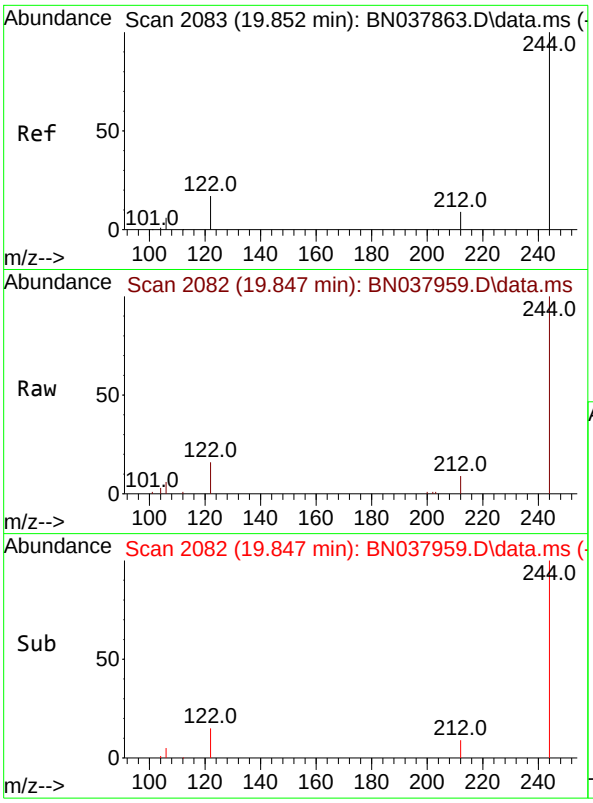


#30
Pyrene
Concen: 0.391 ng
RT: 19.638 min Scan# 2037
Delta R.T. -0.009 min
Lab File: BN037959.D
Acq: 30 Sep 2025 23:14

Tgt Ion:202 Resp: 29941

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.7	25.1
203	17.8	14.2	21.4



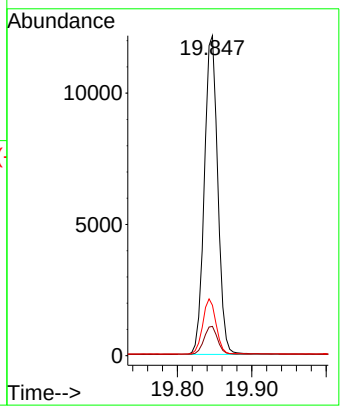


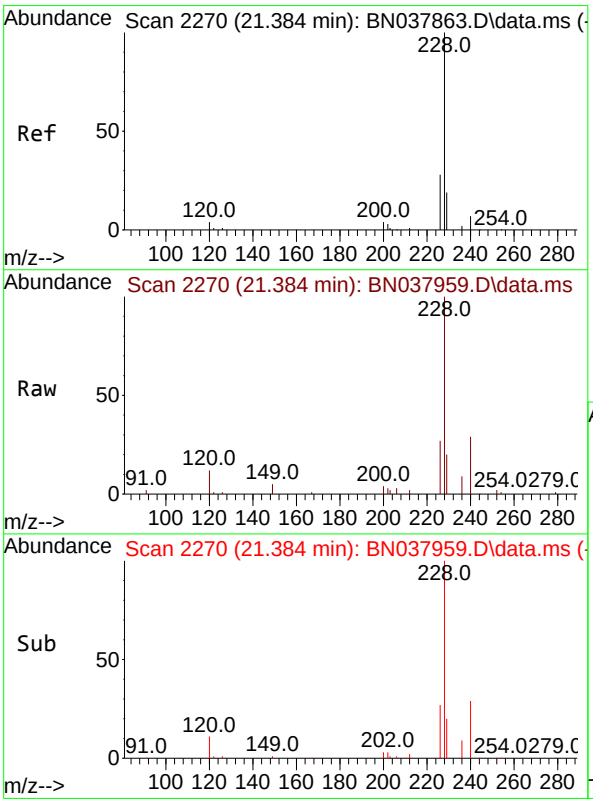
#31
Terphenyl-d14
Concen: 0.394 ng
RT: 19.847 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN037959.D
Acq: 30 Sep 2025 23:14

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:244 Resp: 15207

Ion	Ratio	Lower	Upper
244	100		
212	9.2	7.6	11.4
122	15.8	13.9	20.9

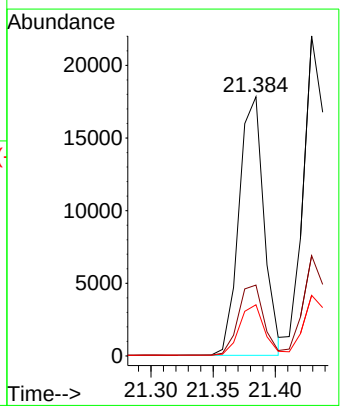


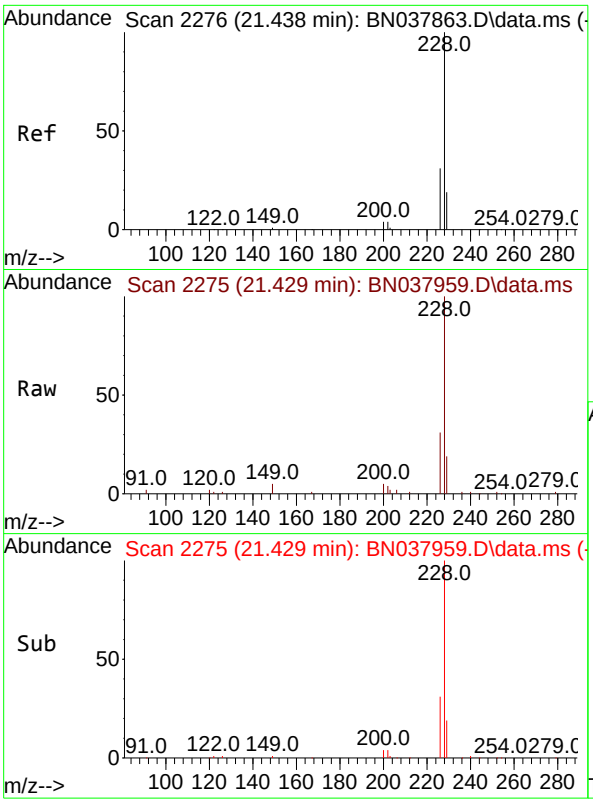


#32
Benzo(a)anthracene
Concen: 0.367 ng
RT: 21.384 min Scan# 2270
Delta R.T. -0.000 min
Lab File: BN037959.D
Acq: 30 Sep 2025 23:14

Tgt Ion:228 Resp: 24854

Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.6	33.8
229	19.8	15.6	23.4



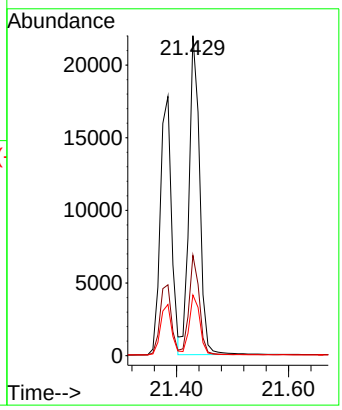


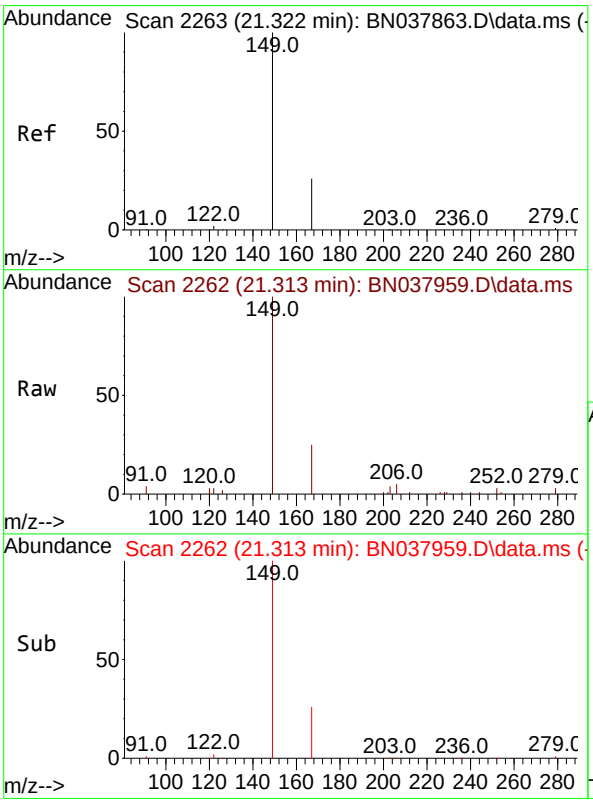
#33
Chrysene
Concen: 0.394 ng
RT: 21.429 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037959.D
Acq: 30 Sep 2025 23:14

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:228 Resp: 28842

Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.6	37.0
229	18.9	15.6	23.4

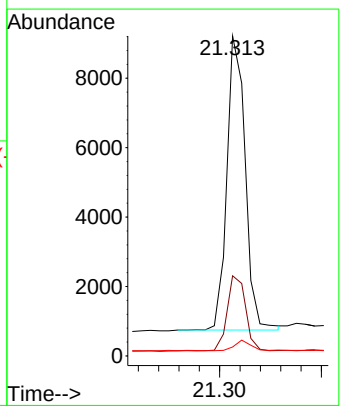


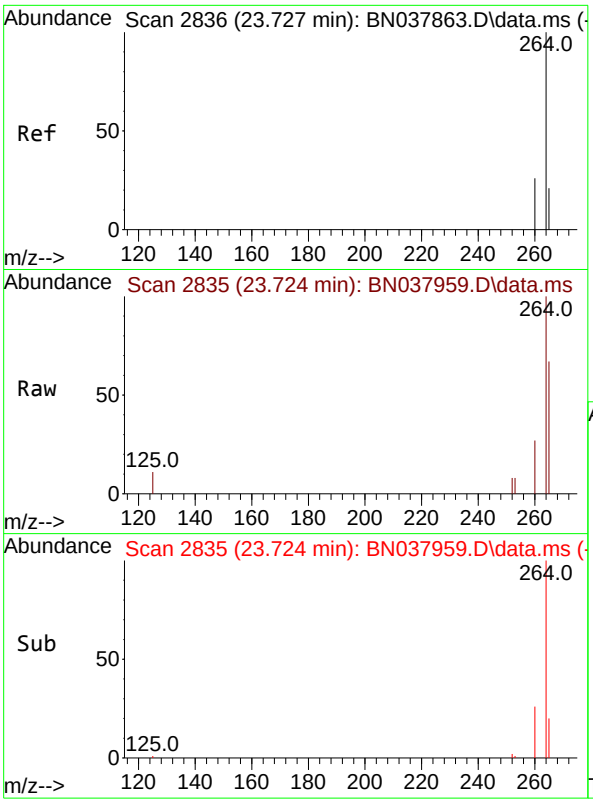


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.395 ng
RT: 21.313 min Scan# 2262
Delta R.T. -0.009 min
Lab File: BN037959.D
Acq: 30 Sep 2025 23:14

Tgt Ion:149 Resp: 10581

Ion	Ratio	Lower	Upper
149	100		
167	25.6	20.4	30.6
279	3.4	2.4	3.6



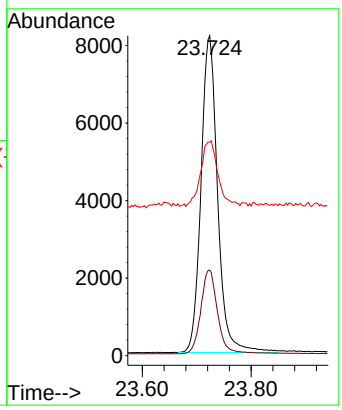


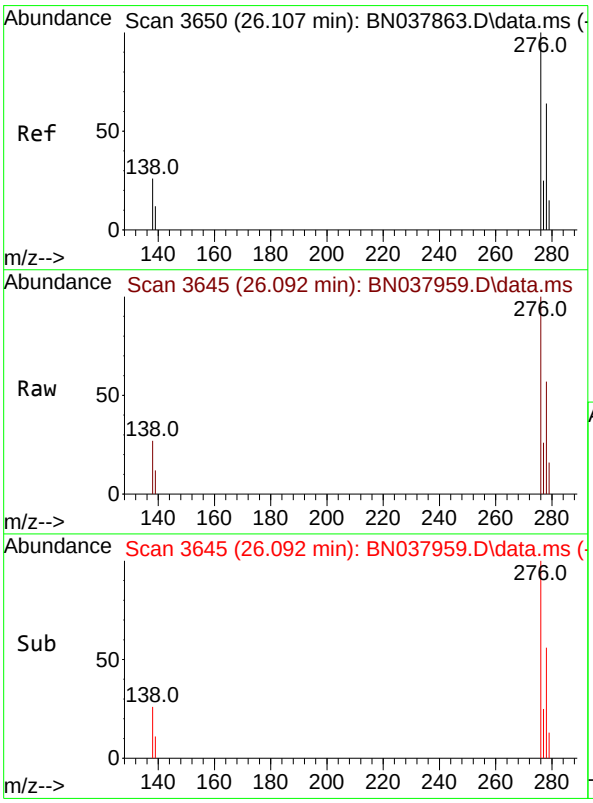
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.724 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN037959.D
Acq: 30 Sep 2025 23:14

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:264 Resp: 17270

Ion	Ratio	Lower	Upper
264	100		
260	26.8	21.5	32.3
265	66.7	53.8	80.6

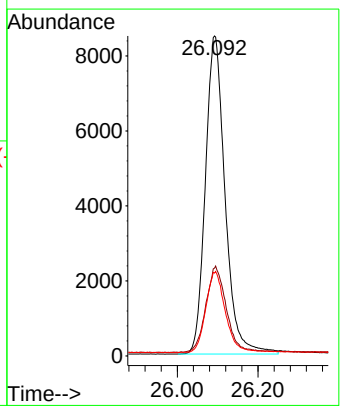


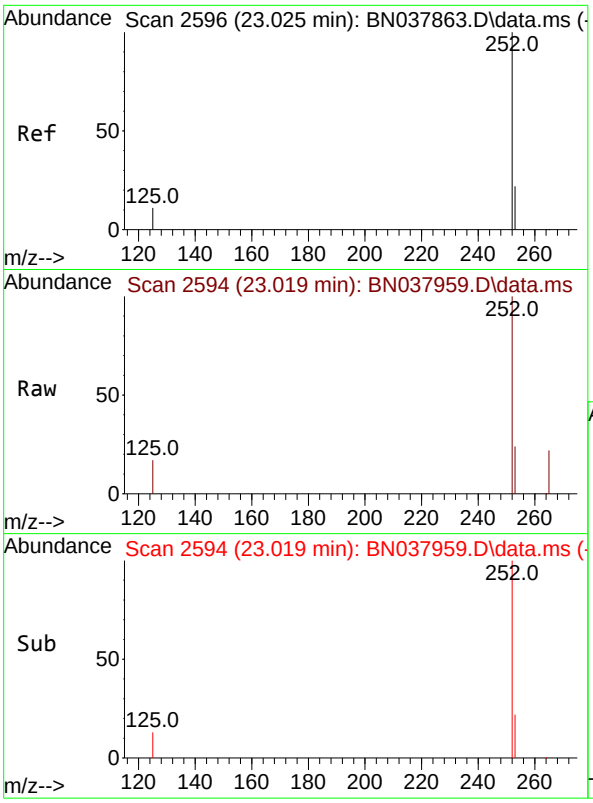


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.365 ng
RT: 26.092 min Scan# 3645
Delta R.T. -0.015 min
Lab File: BN037959.D
Acq: 30 Sep 2025 23:14

Tgt Ion:276 Resp: 28797

Ion	Ratio	Lower	Upper
276	100		
138	27.8	21.4	32.0
277	25.1	20.3	30.5



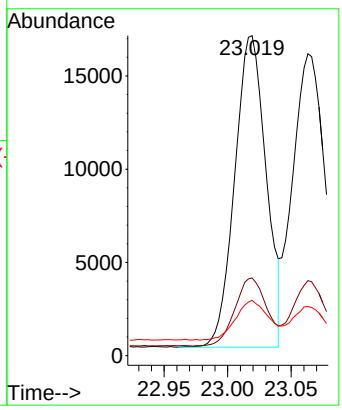


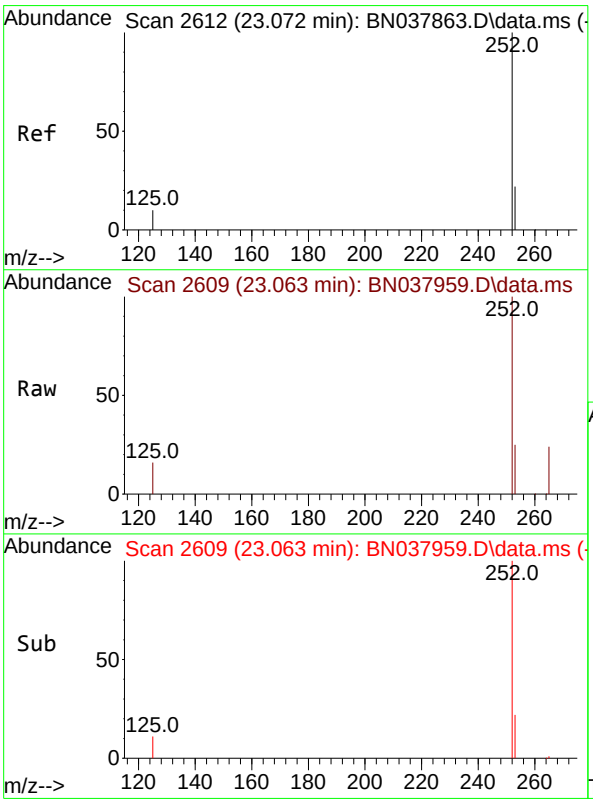
#37
Benzo(b)fluoranthene
Concen: 0.385 ng
RT: 23.019 min Scan# 2
Delta R.T. -0.006 min
Lab File: BN037959.D
Acq: 30 Sep 2025 23:14

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 28688

Ion	Ratio	Lower	Upper
252	100		
253	24.3	19.4	29.0
125	17.3	13.0	19.4

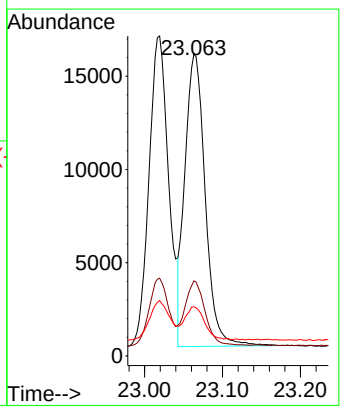


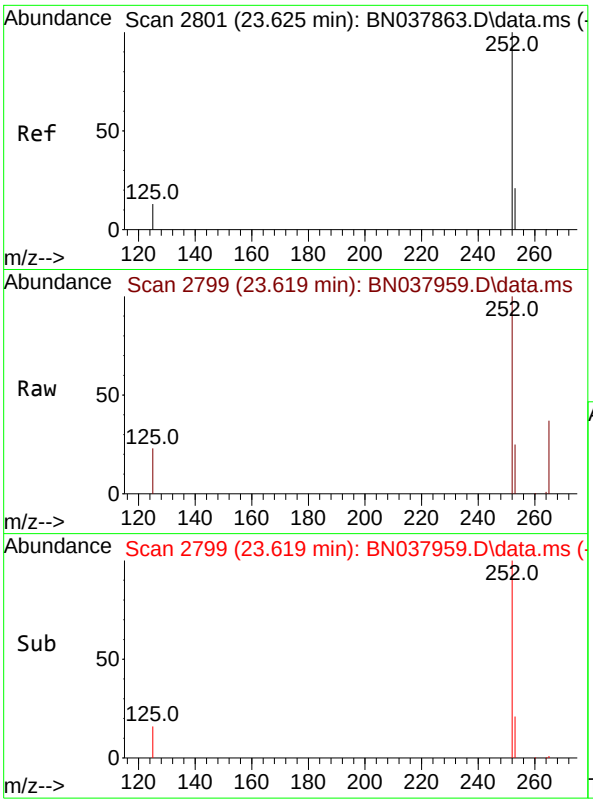


#38
Benzo(k)fluoranthene
Concen: 0.379 ng
RT: 23.063 min Scan# 2609
Delta R.T. -0.009 min
Lab File: BN037959.D
Acq: 30 Sep 2025 23:14

Tgt Ion:252 Resp: 28400

Ion	Ratio	Lower	Upper
252	100		
253	24.8	19.5	29.3
125	16.2	13.0	19.4



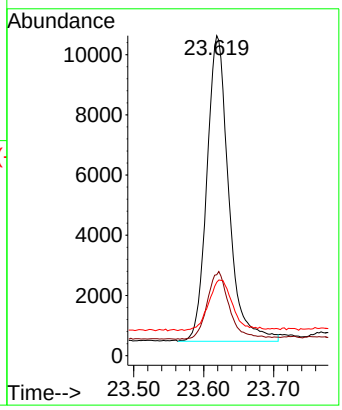


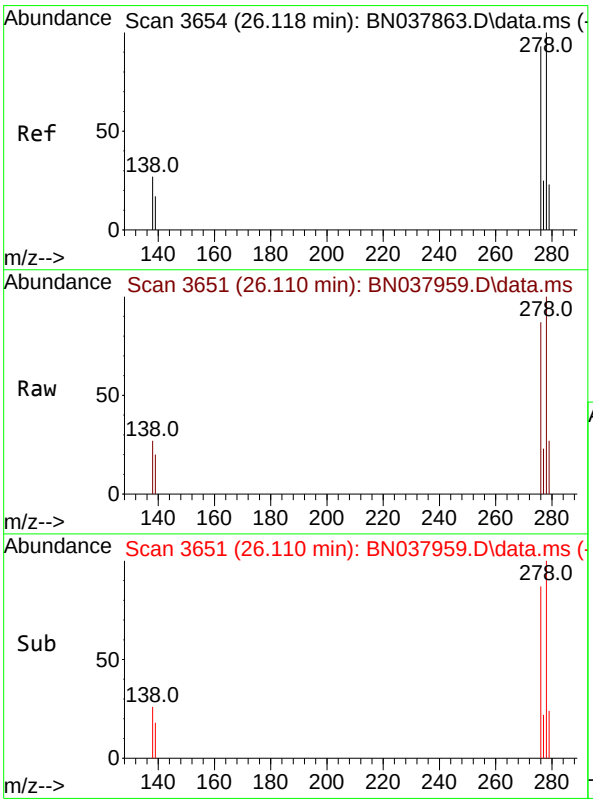
#39
Benzo(a)pyrene
Concen: 0.374 ng
RT: 23.619 min Scan# 2
Delta R.T. -0.006 min
Lab File: BN037959.D
Acq: 30 Sep 2025 23:14

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 22053

Ion	Ratio	Lower	Upper
252	100		
253	25.3	20.6	30.8
125	23.0	16.7	25.1

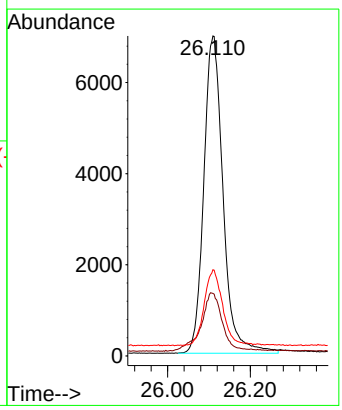


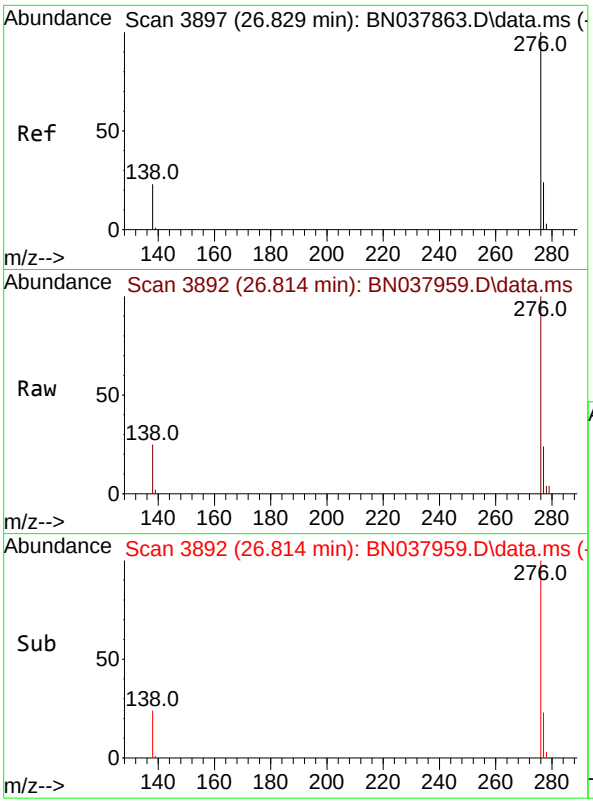


#40
Dibenzo(a,h)anthracene
Concen: 0.365 ng
RT: 26.110 min Scan# 3651
Delta R.T. -0.009 min
Lab File: BN037959.D
Acq: 30 Sep 2025 23:14

Tgt Ion:278 Resp: 22511

Ion	Ratio	Lower	Upper
278	100		
139	19.6	15.4	23.2
279	26.9	20.8	31.2



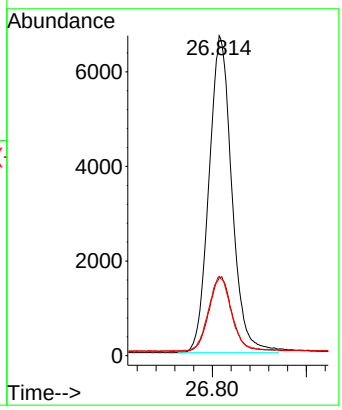


#41
Benzo(g,h,i)perylene
Concen: 0.350 ng
RT: 26.814 min Scan# 3
Delta R.T. -0.015 min
Lab File: BN037959.D
Acq: 30 Sep 2025 23:14

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 22655

Ion	Ratio	Lower	Upper
276	100		
277	24.4	20.2	30.4
138	24.8	19.8	29.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN093025\
Data File : BN037959.D
Acq On : 30 Sep 2025 23:14
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Quant Time: Oct 01 01:24:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 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	0.406	0.400	1.5	122	0.00
3		n-Nitrosodimethylamine	0.540	0.501	7.2	121	0.00
4	S	2-Fluorophenol	0.913	0.835	8.5	122	0.00
5	S	Phenol-d6	1.199	1.111	7.3	124	0.00
6		bis(2-Chloroethyl)ether	1.113	1.095	1.6	126	0.00
7	I	Naphthalene-d8	1.000	1.000	0.0	141	-0.01
8	S	Nitrobenzene-d5	0.305	0.260	14.8	127	-0.01
9		Naphthalene	1.102	1.054	4.4	142	0.00
10		Hexachlorobutadiene	0.188	0.185	1.6	144	-0.01
11	SURR	2-Methylnaphthalene-d10	0.556	0.479	13.8	135	0.00
12		2-Methylnaphthalene	0.720	0.636	11.7	134	-0.01
13	I	Acenaphthene-d10	1.000	1.000	0.0	137	-0.01
14	S	2,4,6-Tribromophenol	0.152	0.135	11.2	137	-0.01
15	S	2-Fluorobiphenyl	1.638	1.550	5.4	136	0.00
16		Acenaphthylene	1.816	1.710	5.8	141	-0.01
17		Acenaphthene	1.294	1.199	7.3	137	-0.01
18		Fluorene	1.565	1.445	7.7	136	-0.01
19	I	Phenanthrene-d10	1.000	1.000	0.0	143	-0.01
20		4,6-Dinitro-2-methylphenol	0.057	0.037	35.1#	122	-0.01
21		4-Bromophenyl-phenylether	0.261	0.241	7.7	141	-0.01
22		Hexachlorobenzene	0.316	0.305	3.5	143	-0.01
23		Atrazine	0.199	0.165	17.1	138	-0.01
24		Pentachlorophenol	0.108	0.089	17.6	139	-0.01
25		Phenanthrene	1.316	1.228	6.7	143	0.00
26		Anthracene	1.142	1.028	10.0	144	-0.01
27	SURR	Fluoranthene-d10	1.006	0.916	8.9	148	0.00
28		Fluoranthene	1.450	1.329	8.3	145	0.00
29	I	Chrysene-d12	1.000	1.000	0.0	143	0.00
30		Pyrene	1.579	1.544	2.2	145	0.00
31	S	Terphenyl-d14	0.797	0.784	1.6	149	0.00
32		Benzo(a)anthracene	1.398	1.282	8.3	141	0.00
33		Chrysene	1.512	1.488	1.6	145	0.00
34		Bis(2-ethylhexyl)phthalate	0.553	0.546	1.3	160#	0.00
35	I	Perylene-d12	1.000	1.000	0.0	137	0.00
36		Indeno(1,2,3-cd)pyrene	1.828	1.667	8.8	138	-0.01
37		Benzo(b)fluoranthene	1.725	1.661	3.7	139	0.00
38		Benzo(k)fluoranthene	1.736	1.644	5.3	141	0.00
39	C	Benzo(a)pyrene	1.364	1.277	6.4	142	0.00
40		Dibenzo(a,h)anthracene	1.427	1.303	8.7	137	0.00
41		Benzo(g,h,i)perylene	1.499	1.312	12.5	128	-0.01

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN093025\
Data File : BN037959.D
Acq On : 30 Sep 2025 23:14
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Quant Time: Oct 01 01:24:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 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	0.394	1.5	122	0.00
3		n-Nitrosodimethylamine	0.400	0.371	7.3	121	0.00
4	S	2-Fluorophenol	0.400	0.366	8.5	122	0.00
5	S	Phenol-d6	0.400	0.371	7.3	124	0.00
6		bis(2-Chloroethyl)ether	0.400	0.393	1.8	126	0.00
7	I	Naphthalene-d8	0.400	0.400	0.0	141	-0.01
8	S	Nitrobenzene-d5	0.400	0.341	14.8	127	-0.01
9		Naphthalene	0.400	0.382	4.5	142	0.00
10		Hexachlorobutadiene	0.400	0.394	1.5	144	-0.01
11	SURR	2-Methylnaphthalene-d10	0.400	0.345	13.8	135	0.00
12		2-Methylnaphthalene	0.400	0.353	11.8	134	-0.01
13	I	Acenaphthene-d10	0.400	0.400	0.0	137	-0.01
14	S	2,4,6-Tribromophenol	0.400	0.356	11.0	137	-0.01
15	S	2-Fluorobiphenyl	0.400	0.379	5.3	136	0.00
16		Acenaphthylene	0.400	0.377	5.8	141	-0.01
17		Acenaphthene	0.400	0.371	7.3	137	-0.01
18		Fluorene	0.400	0.369	7.8	136	-0.01
19	I	Phenanthrene-d10	0.400	0.400	0.0	143	-0.01
20		4,6-Dinitro-2-methylphenol	0.400	0.357	10.8	122	-0.01
21		4-Bromophenyl-phenylether	0.400	0.370	7.5	141	-0.01
22		Hexachlorobenzene	0.400	0.386	3.5	143	-0.01
23		Atrazine	0.400	0.333	16.8	138	-0.01
24		Pentachlorophenol	0.400	0.328	18.0	139	-0.01
25		Phenanthrene	0.400	0.373	6.8	143	0.00
26		Anthracene	0.400	0.360	10.0	144	-0.01
27	SURR	Fluoranthene-d10	0.400	0.364	9.0	148	0.00
28		Fluoranthene	0.400	0.367	8.3	145	0.00
29	I	Chrysene-d12	0.400	0.400	0.0	143	0.00
30		Pyrene	0.400	0.391	2.3	145	0.00
31	S	Terphenyl-d14	0.400	0.394	1.5	149	0.00
32		Benzo(a)anthracene	0.400	0.367	8.3	141	0.00
33		Chrysene	0.400	0.394	1.5	145	0.00
34		Bis(2-ethylhexyl)phthalate	0.400	0.395	1.3	160	0.00
35	I	Perylene-d12	0.400	0.400	0.0	137	0.00
36		Indeno(1,2,3-cd)pyrene	0.400	0.365	8.8	138	-0.01
37		Benzo(b)fluoranthene	0.400	0.385	3.8	139	0.00
38		Benzo(k)fluoranthene	0.400	0.379	5.3	141	0.00
39	C	Benzo(a)pyrene	0.400	0.374	6.5	142	0.00
40		Dibenzo(a,h)anthracene	0.400	0.365	8.8	137	0.00
41		Benzo(g,h,i)perylene	0.400	0.350	12.5	128	-0.01

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

QC SAMPLE DATA

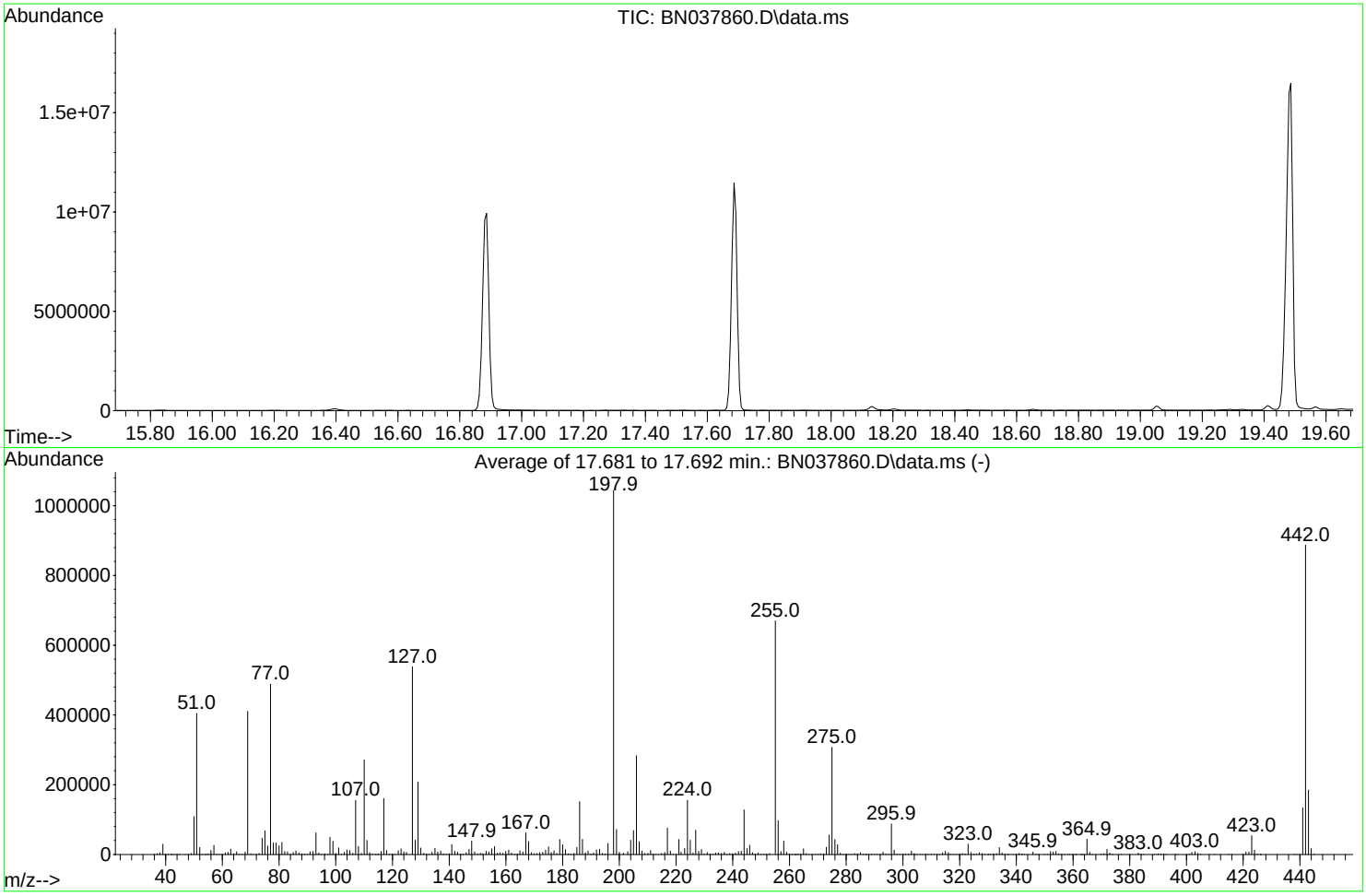
Sample Results: **BN037860.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092325\
Data File : BN037860.D
Acq On : 23 Sep 2025 11:33
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-BN092325.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Sep 23 17:30:29 2025



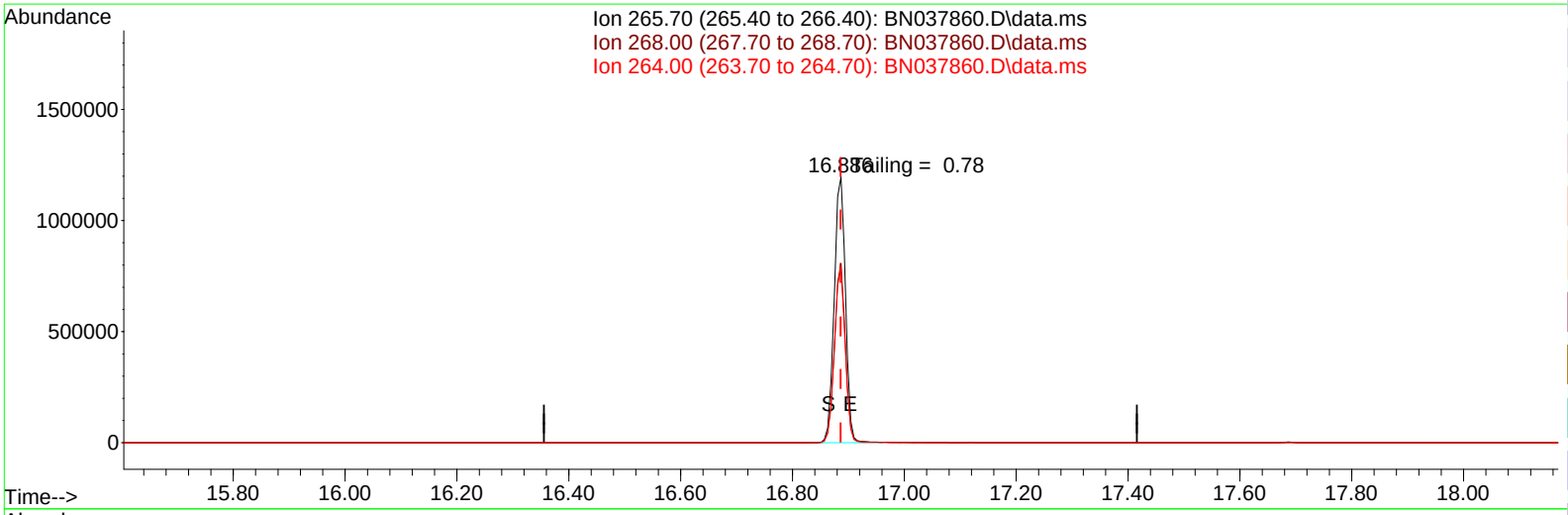
AutoFind: Scans 2481, 2482, 2483; Background Corrected with Scan 2474

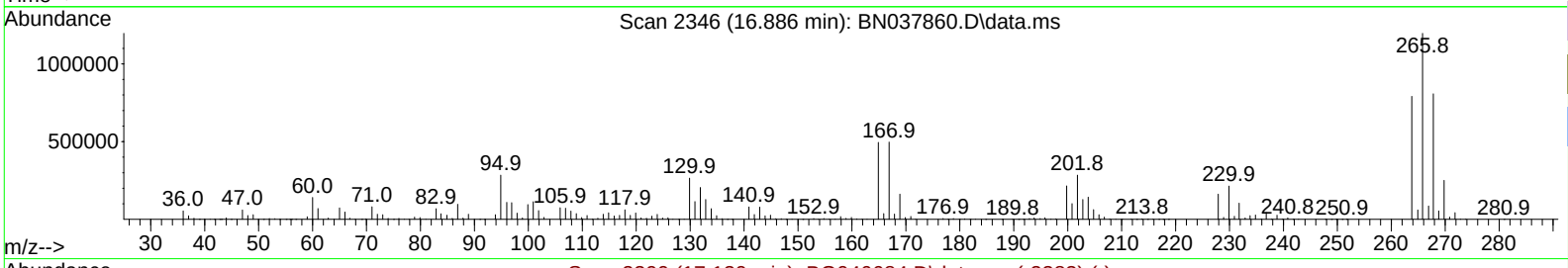
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.8	7592	PASS
69	69	100	100	100.0	410472	PASS
70	69	0.00	2	0.6	2535	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	1043541	PASS
199	198	5	9	6.9	71928	PASS
365	198	1	100	4.2	43627	PASS
441	443	0.01	150	72.6	133917	PASS
442	442	100	100	100.0	886933	PASS
443	442	15	24	20.8	184525	PASS

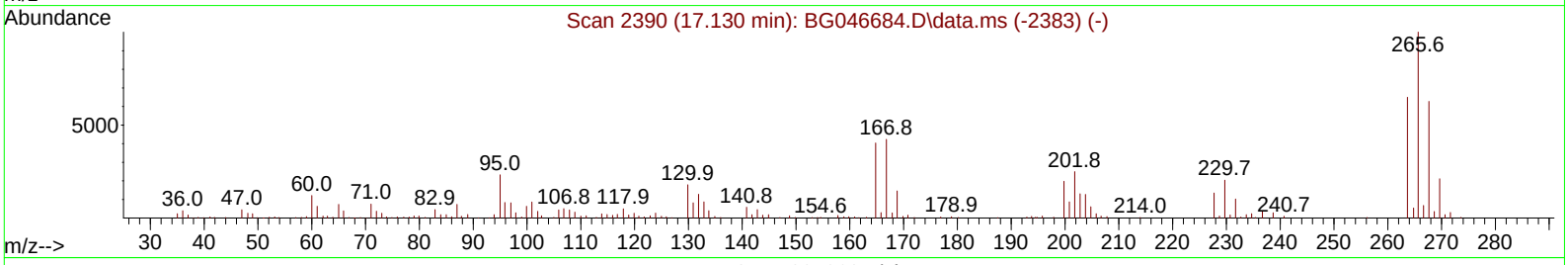
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092325\
Data File : BN037860.D
Acq On : 23 Sep 2025 11:33
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Sep 23 19:20:36 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: BN037860.D\data.ms

(70) Pentachlorophenol (C)

16.886min (+ 0.001) 30744.23 ng

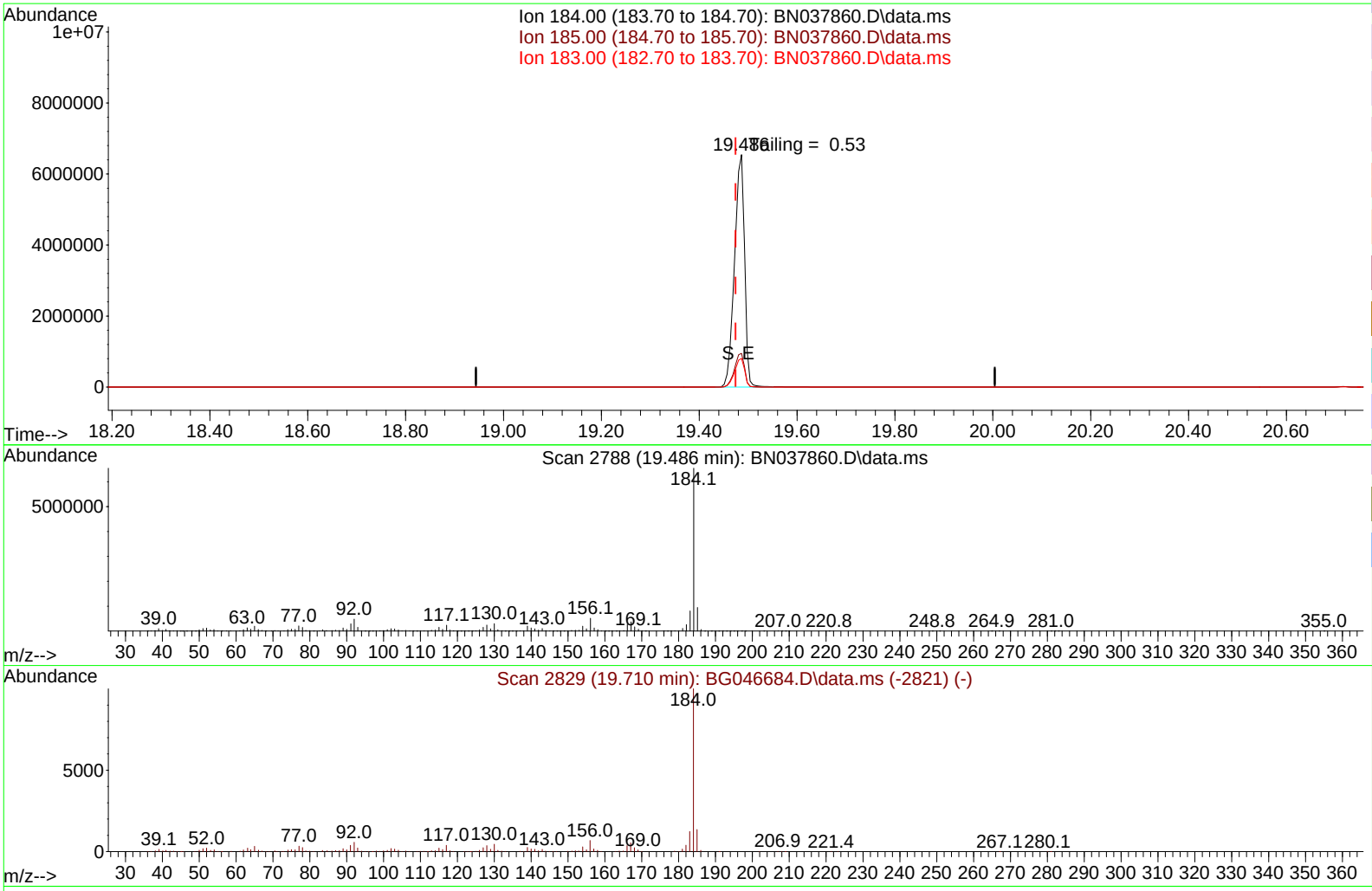
response 1679260

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.20	67.46
264.00	61.60	66.17
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092325\
Data File : BN037860.D
Acq On : 23 Sep 2025 11:33
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Sep 23 19:20:36 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: BN037860.D\data.ms

(77) Benzidine

19.486min (+ 0.012) 0.00 ng

response 9413593

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.50	14.50
183.00	13.20	12.37
0.00	0.00	0.00

Instrument :
BNA_N
ClientSampleId :
DFTPP

DDT Breakdown

Date	Instrument Name	DFTPP Data File
9/23/2025	BNA_N	BN037860.D
Compound Name	**Response**	**Retention Time**
DDT	4305996	20.716
DDD	11703	20.327
DDE	258	19.769
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
11961	4317957	0.28

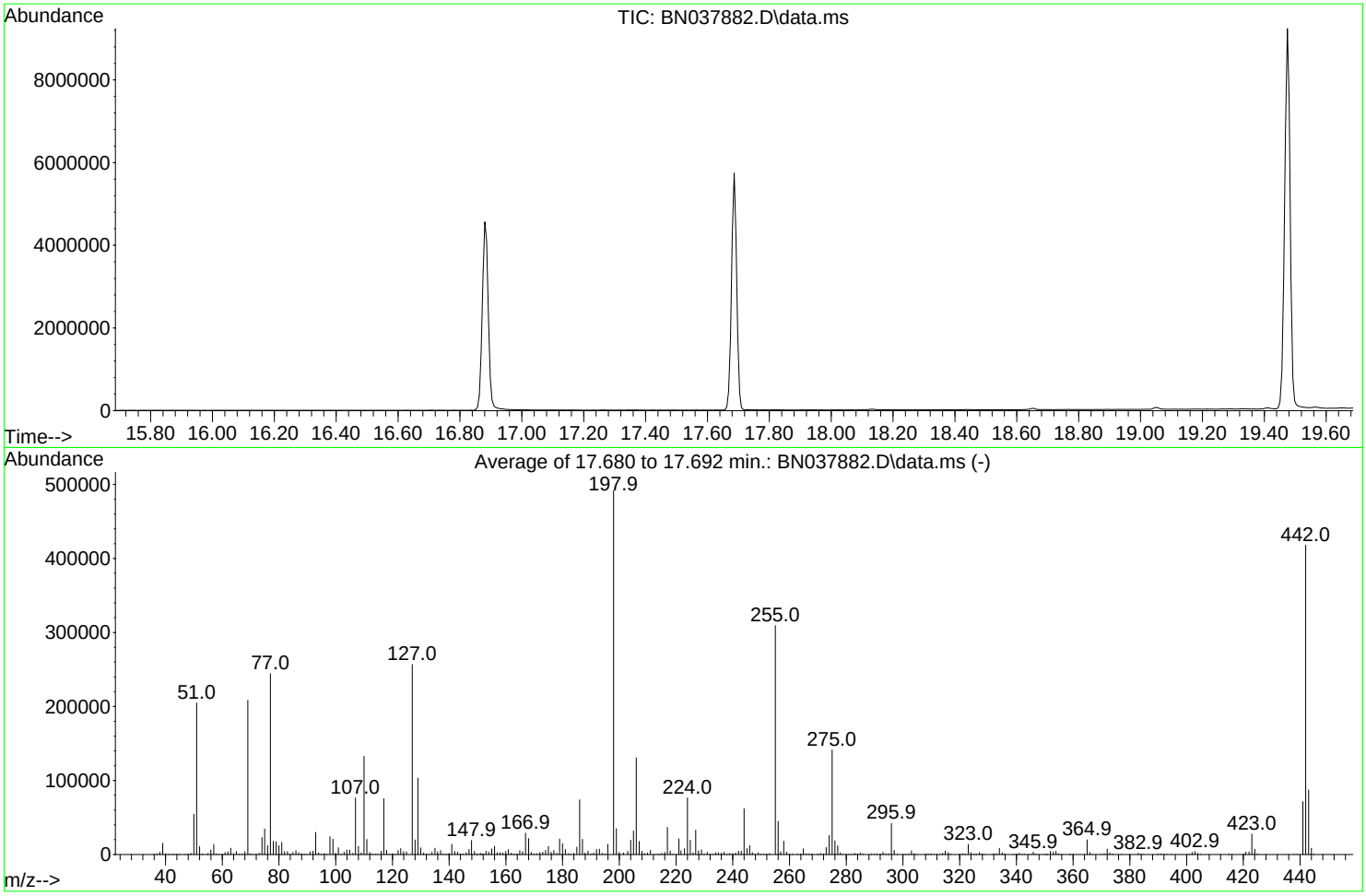
Sample Results: **BN037882.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092525\
Data File : BN037882.D
Acq On : 25 Sep 2025 10:52
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-BN092325.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Sep 24 11:00:01 2025



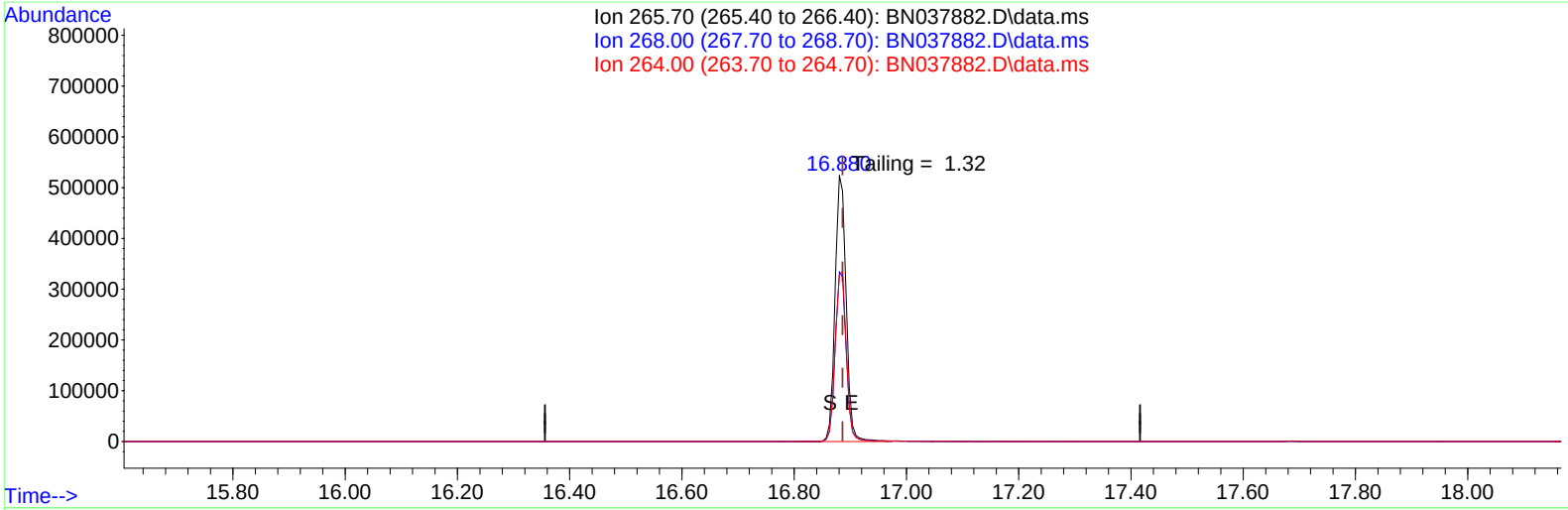
AutoFind: Scans 2481, 2482, 2483; Background Corrected with Scan 2474

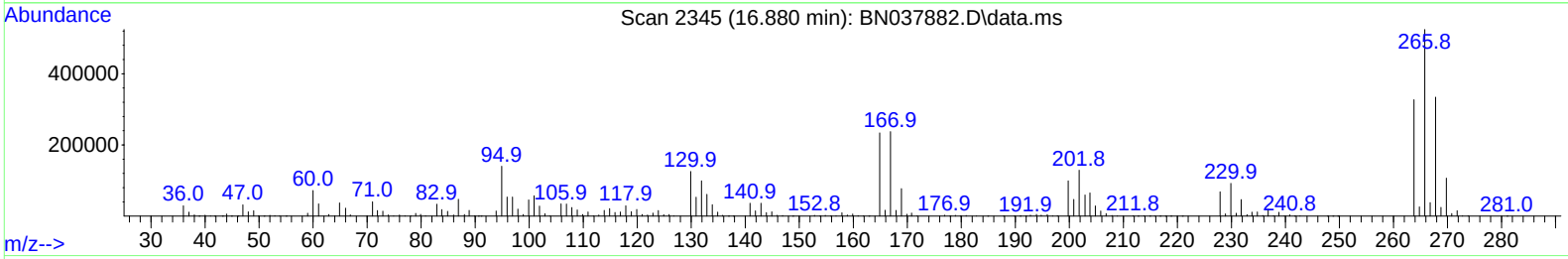
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.8	3756	PASS
69	69	100	100	100.0	208299	PASS
70	69	0.00	2	0.5	1072	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	491925	PASS
199	198	5	9	7.1	34720	PASS
365	198	1	100	4.0	19900	PASS
441	443	0.01	150	81.7	71253	PASS
442	442	100	100	100.0	417920	PASS
443	442	15	24	20.9	87163	PASS

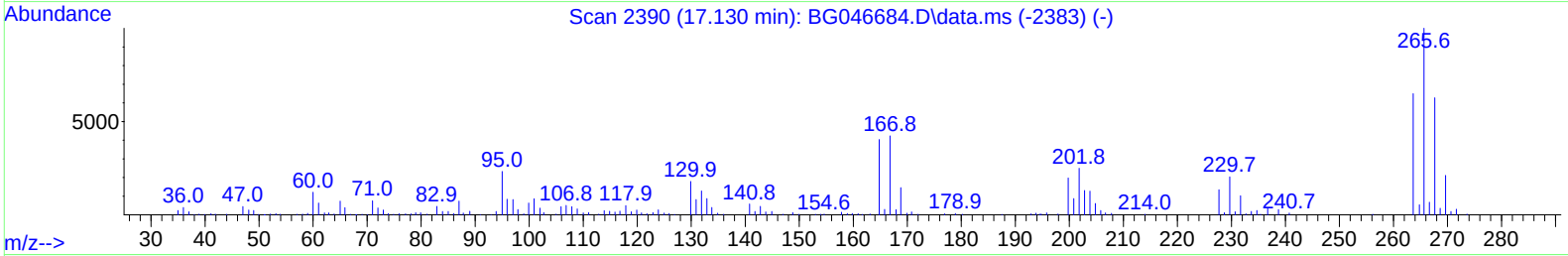
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092525\
Data File : BN037882.D
Acq On : 25 Sep 2025 10:52
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Sep 25 13:12:03 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: BN037882.D\data.ms

(70) Pentachlorophenol (C)

16.880min (-0.006) 31548.12 ng

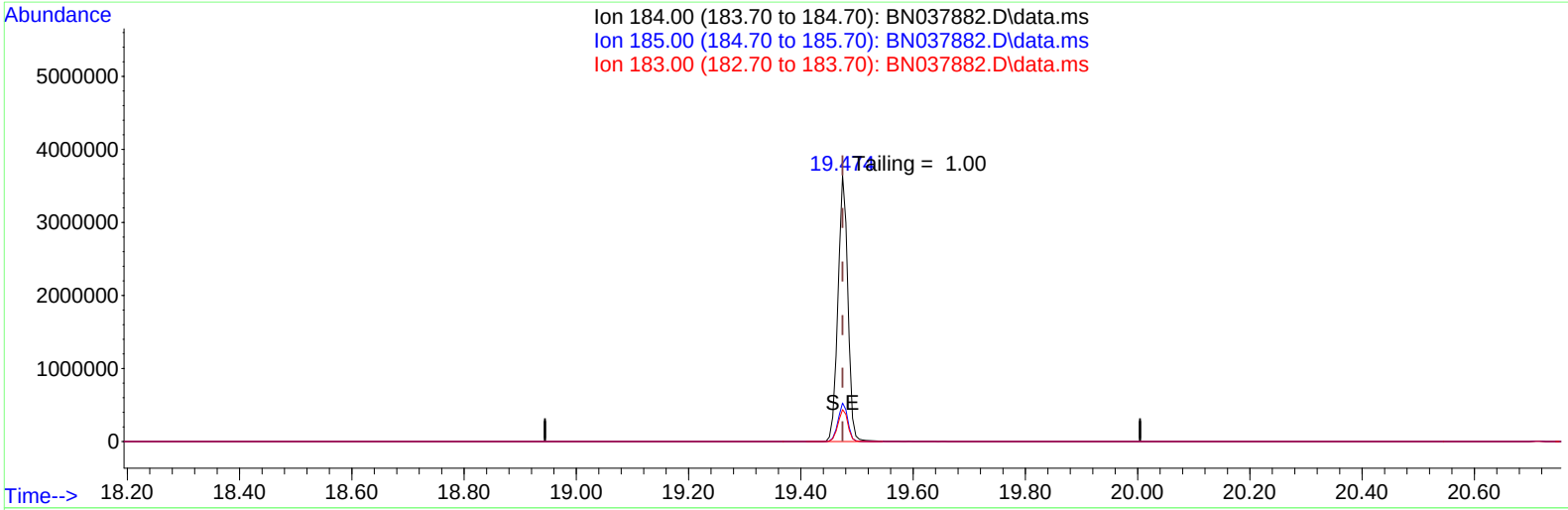
response 718482

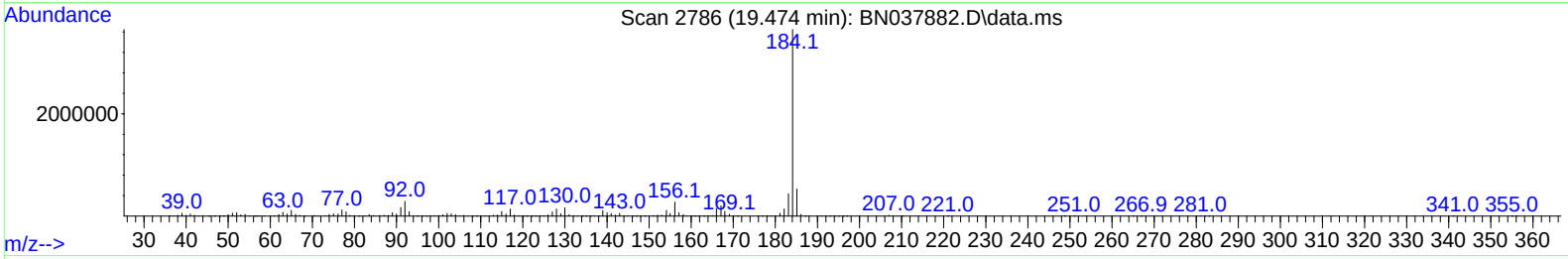
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.20	63.80
264.00	61.60	62.36
0.00	0.00	0.00

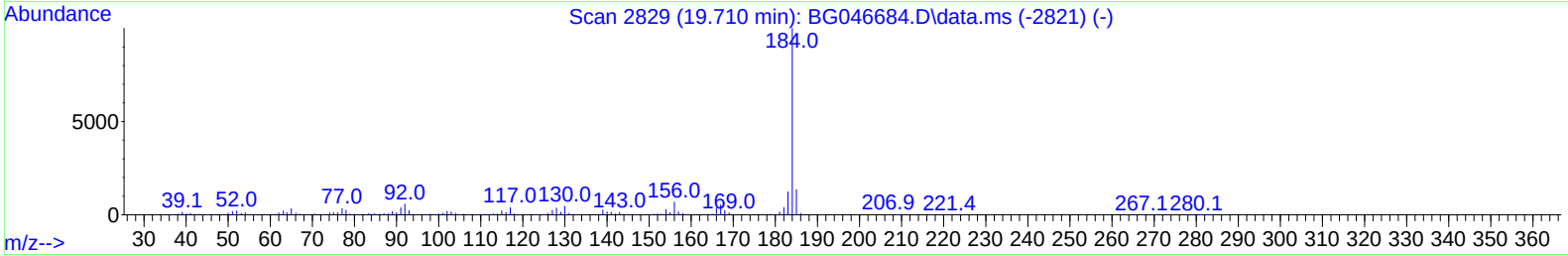
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092525\
Data File : BN037882.D
Acq On : 25 Sep 2025 10:52
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Sep 25 13:12:03 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: BN037882.D\data.ms

(77) Benzidine

19.474min (+ 0.000) 0.00 ng

response 4502688

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.50	14.51
183.00	13.20	12.03
0.00	0.00	0.00

Instrument :
BNA_N
ClientSampleId :
DFTPP

DDT Breakdown

Date	Instrument Name	DFTPP Data File
9/25/2025	BNA_N	BN037882.D
Compound Name	**Response**	**Retention Time**
DDT	1891737	20.716
DDD	7741	20.327
DDE	257	19.769
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
7998	1899735	0.42

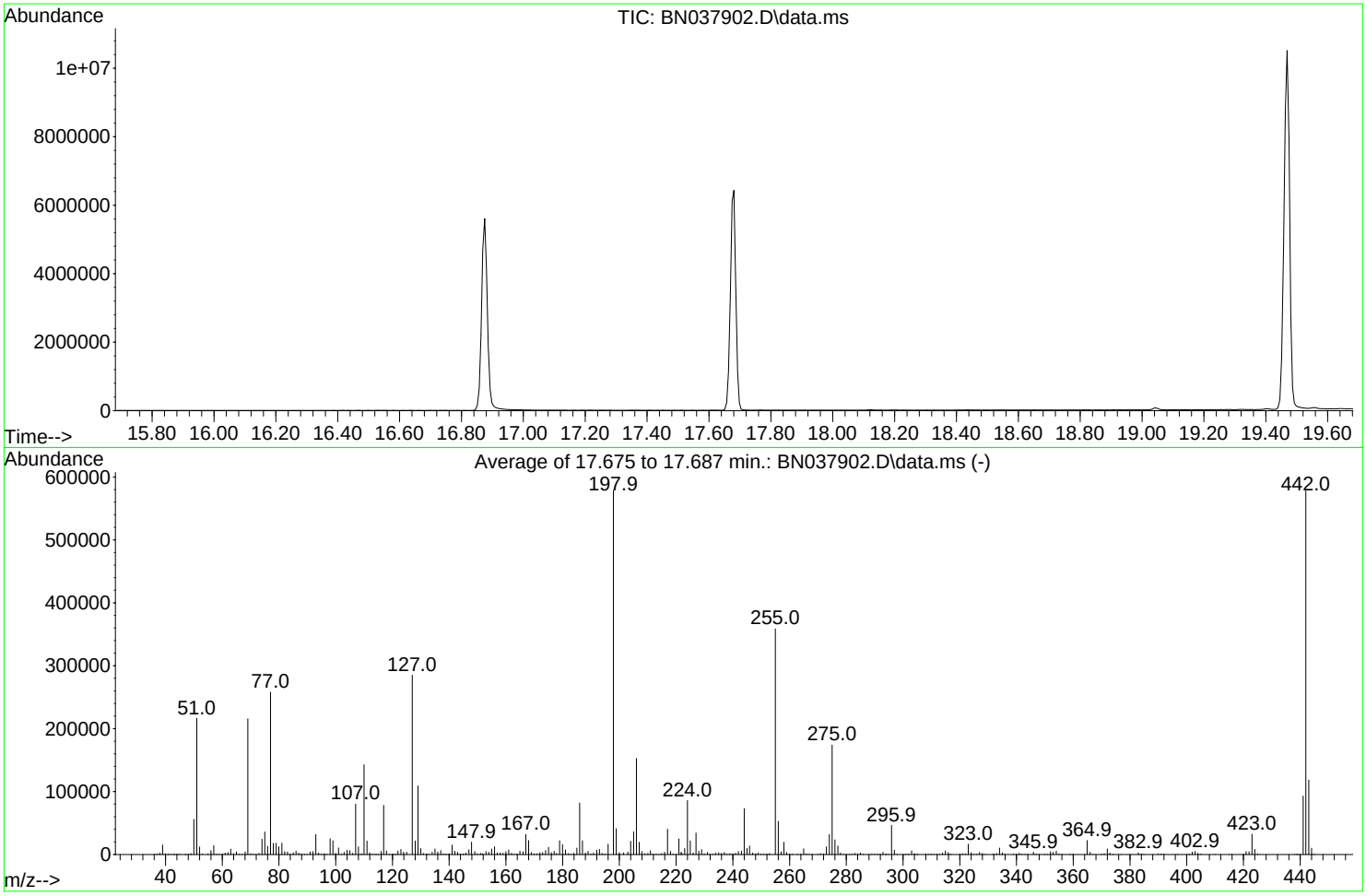
Sample Results: **BN037902.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092525\
Data File : BN037902.D
Acq On : 25 Sep 2025 23:47
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-BN092325.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Sep 24 11:00:01 2025



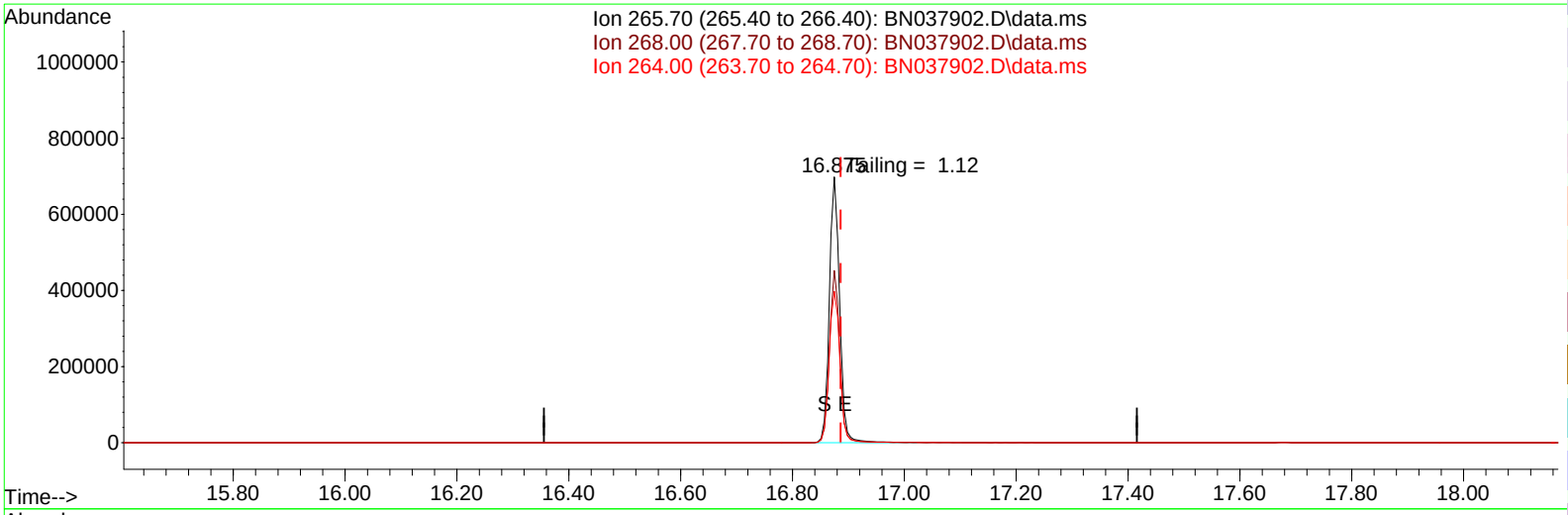
AutoFind: Scans 2480, 2481, 2482; Background Corrected with Scan 2472

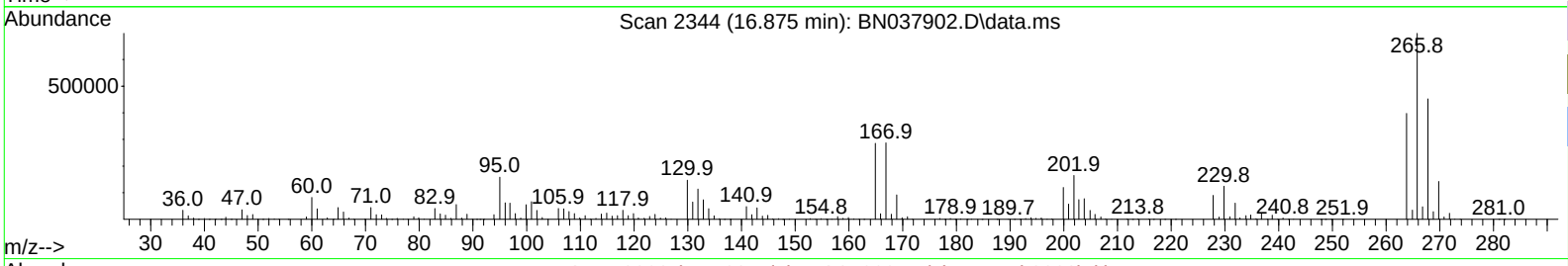
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.9	4059	PASS
69	69	100	100	100.0	215531	PASS
70	69	0.00	2	0.6	1236	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	578603	PASS
199	198	5	9	7.1	40861	PASS
365	198	1	100	3.8	22109	PASS
441	443	0.01	150	78.7	92987	PASS
442	442	100	100	100.0	577899	PASS
443	442	15	24	20.5	118221	PASS

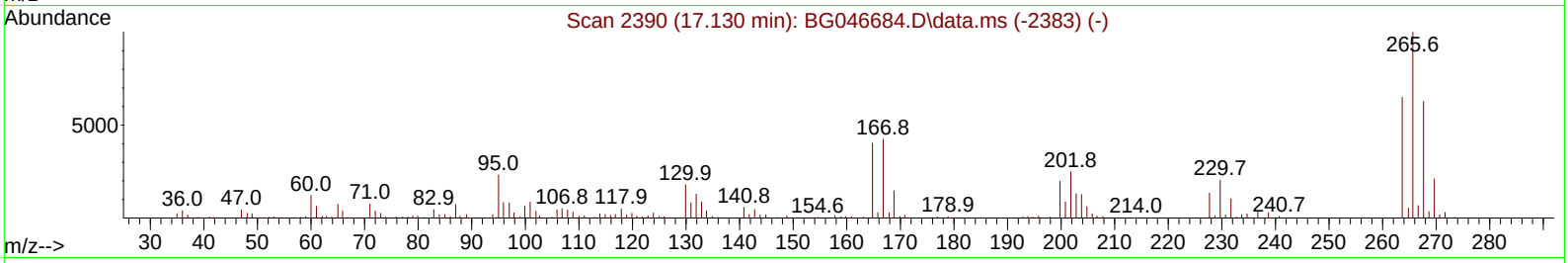
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092525\
Data File : BN037902.D
Acq On : 25 Sep 2025 23:47
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Sep 26 00:18:41 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: BN037902.D\data.ms

(70) Pentachlorophenol (C)

16.875min (-0.011) 30660.06 ng

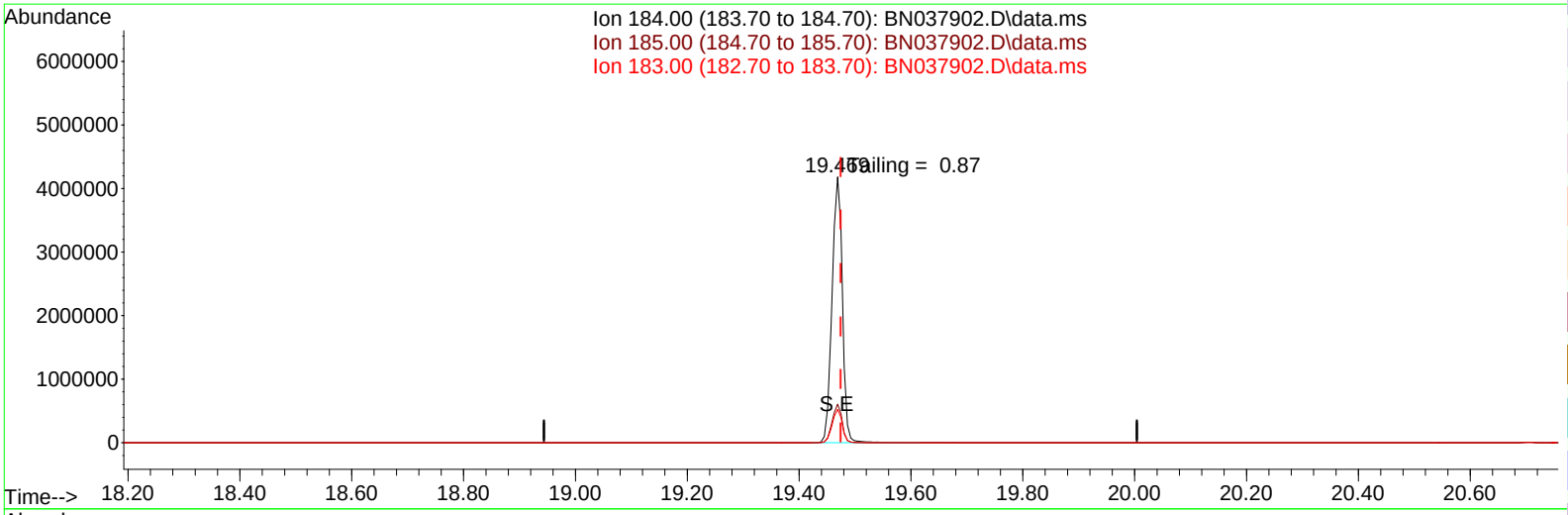
response 887138

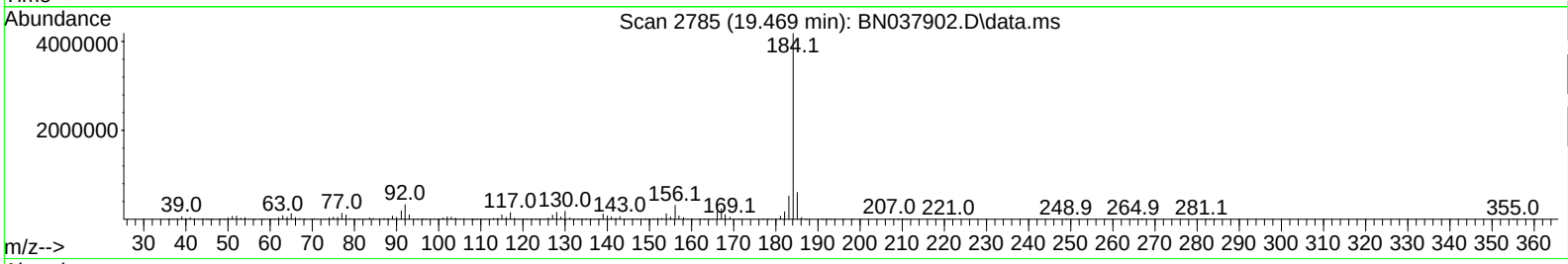
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.20	64.77
264.00	61.60	56.98
0.00	0.00	0.00

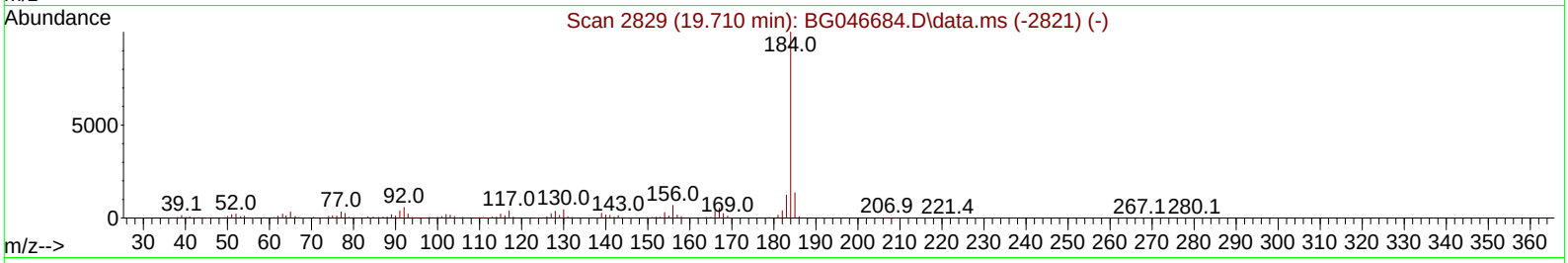
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092525\
Data File : BN037902.D
Acq On : 25 Sep 2025 23:47
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Sep 26 00:18:41 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: BN037902.D\data.ms

(77) Benzidine

19.469min (-0.005) 0.00 ng

response 5355817

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.50	14.49
183.00	13.20	12.54
0.00	0.00	0.00

Instrument :
BNA_N
ClientSampleId :
DFTPP

DDT Breakdown

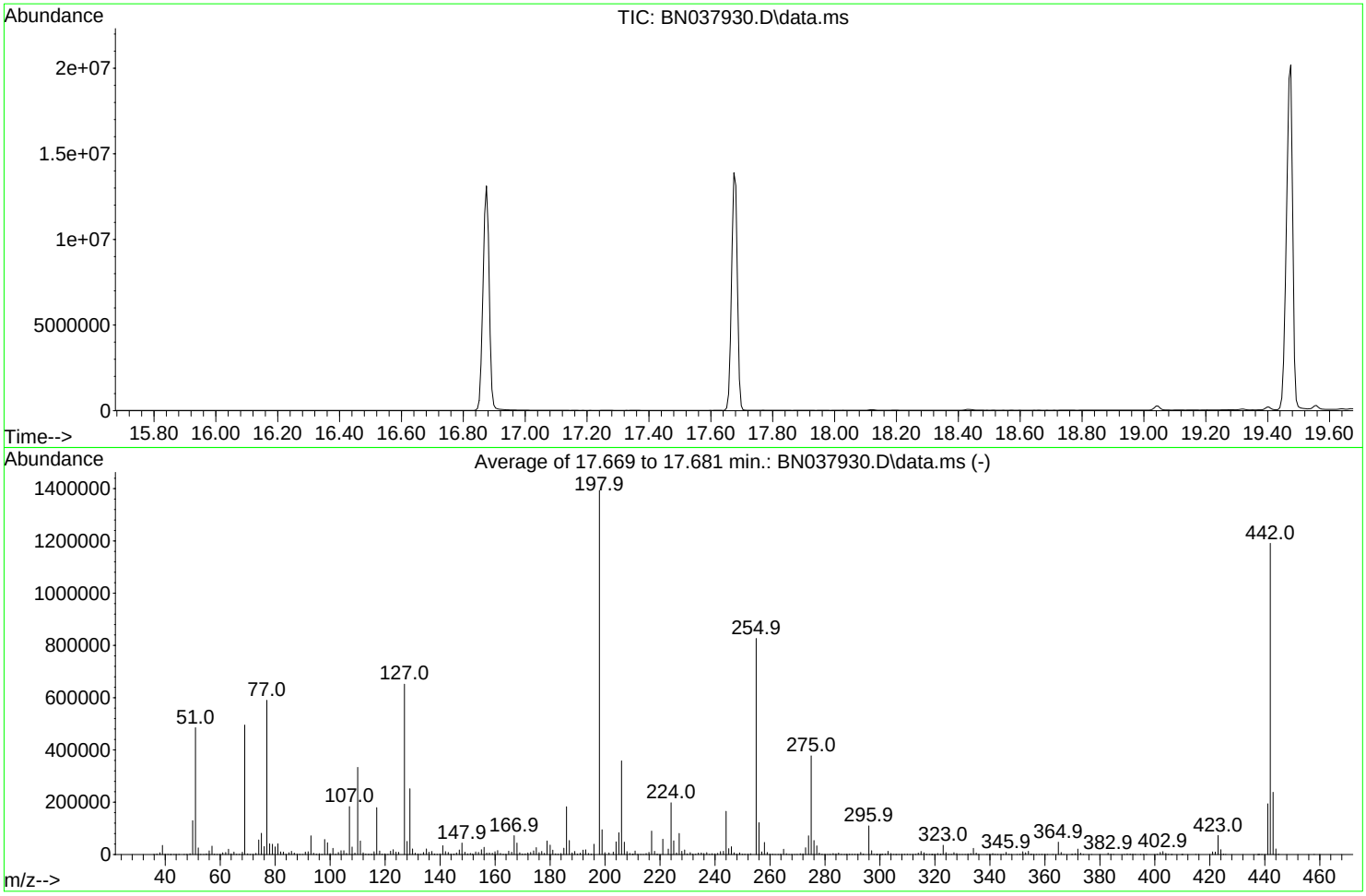
Date	Instrument Name	DFTPP Data File
9/25/2025	BNA_N	BN037902.D
Compound Name	**Response**	**Retention Time**
DDT	2417254	20.716
DDD	13785	20.263
DDE	387	19.763
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
14172	2431426	0.58

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092925\
Data File : BN037930.D
Acq On : 29 Sep 2025 10:15
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-BN092325.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Sep 24 11:00:01 2025



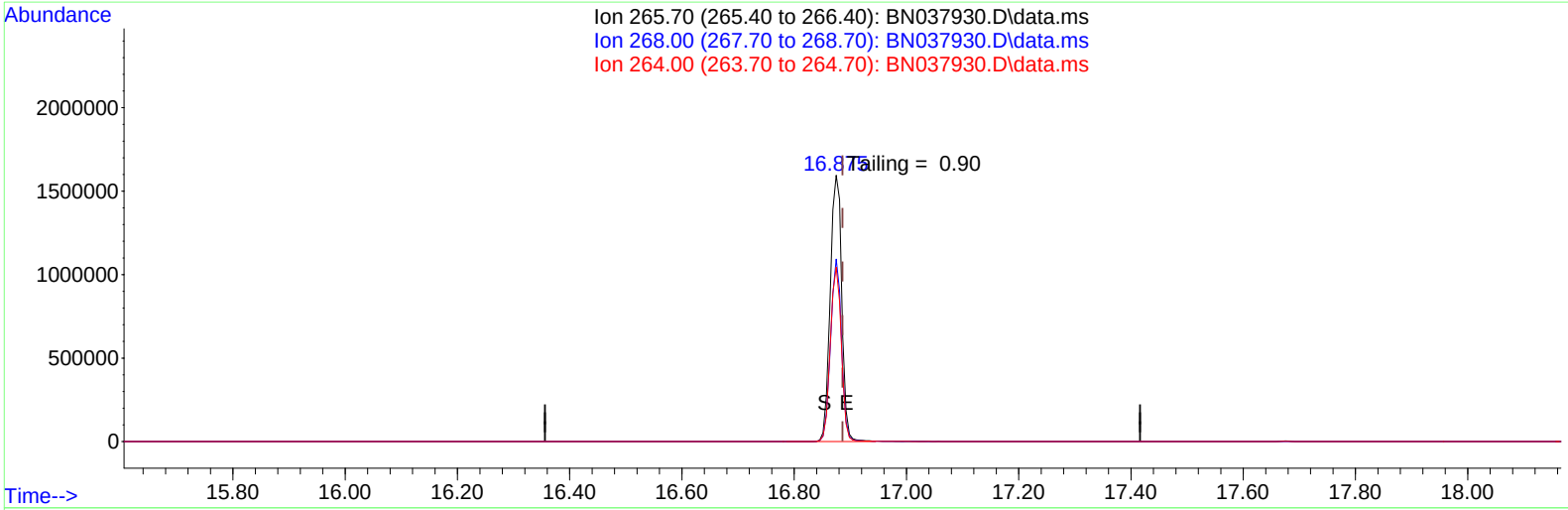
AutoFind: Scans 2479, 2480, 2481; Background Corrected with Scan 2472

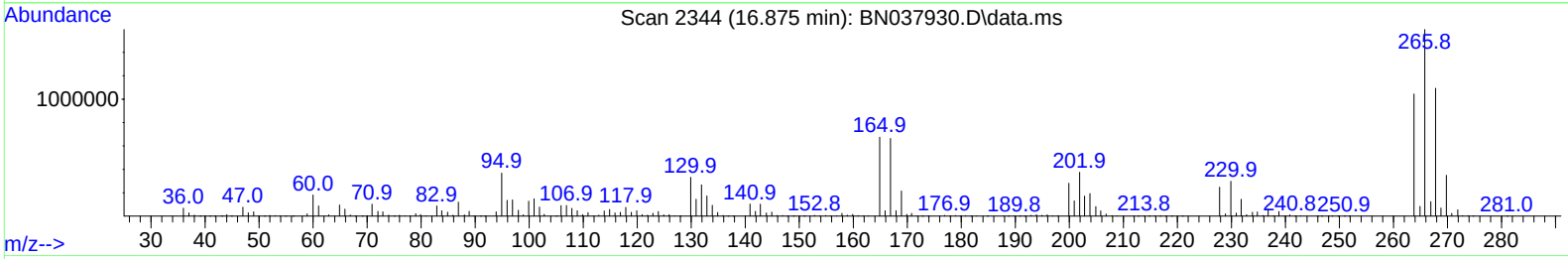
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.8	8960	PASS
69	69	100	100	100.0	495262	PASS
70	69	0.00	2	0.5	2469	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	1392981	PASS
199	198	5	9	6.8	94760	PASS
365	198	1	100	3.4	47144	PASS
441	443	0.01	150	81.6	193963	PASS
442	442	100	100	100.0	1190699	PASS
443	442	15	24	20.0	237845	PASS

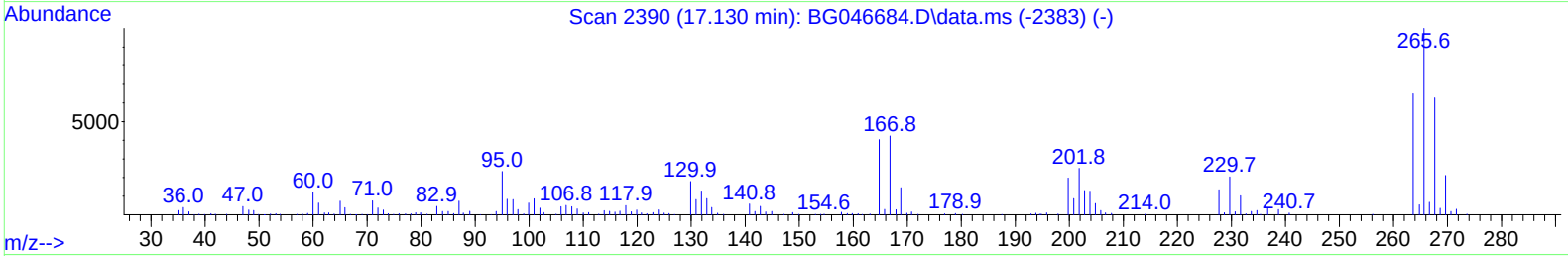
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092925\
Data File : BN037930.D
Acq On : 29 Sep 2025 10:15
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Sep 29 11:50:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 29 10:34:59 2025
Response via : Initial Calibration







TIC: BN037930.D\data.ms

(70) Pentachlorophenol (C)

16.875min (-0.011) 35044.31 ng

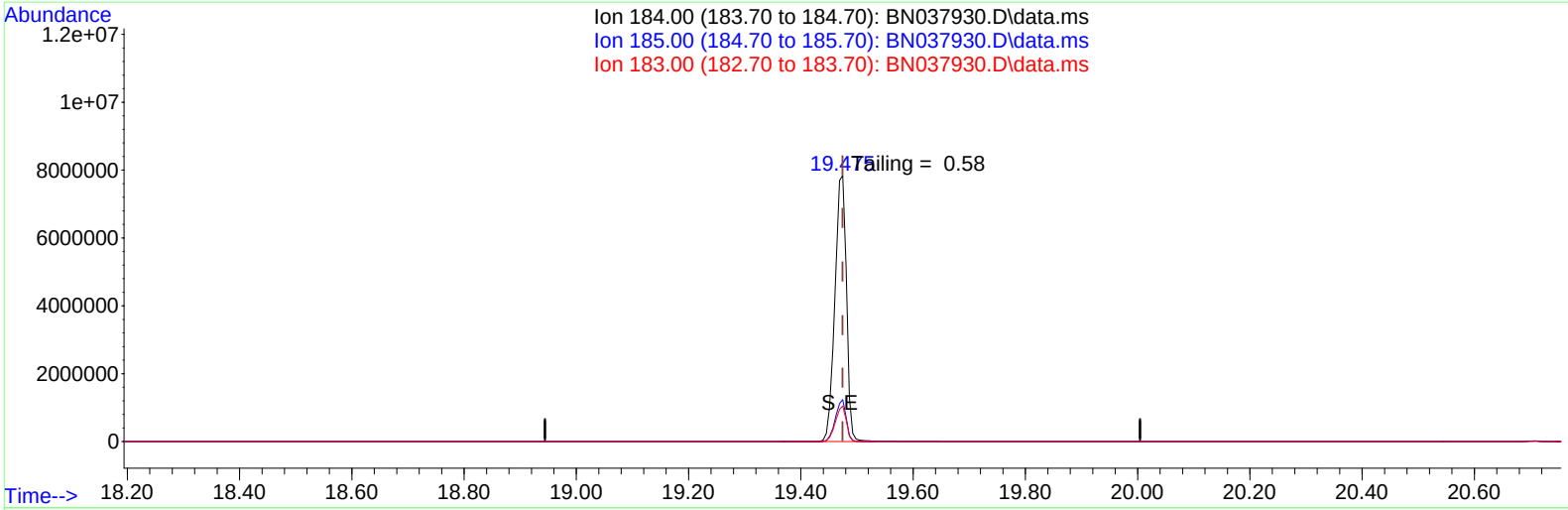
response 2284032

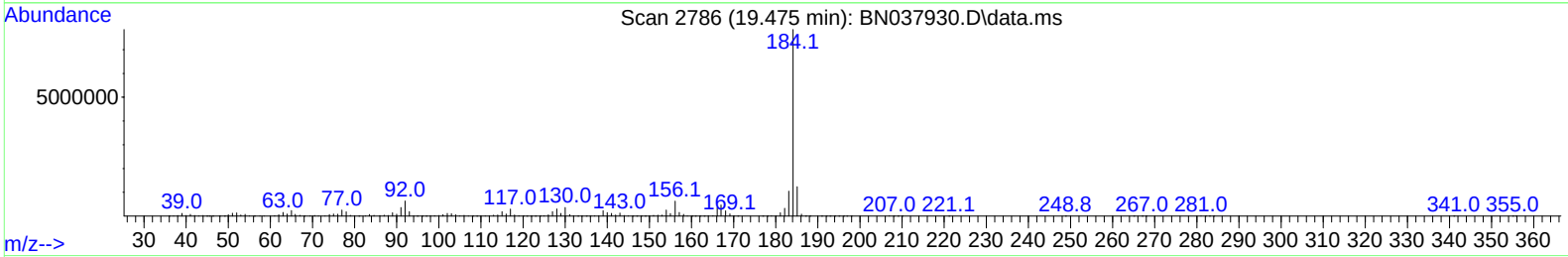
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.20	68.49
264.00	61.60	65.46
0.00	0.00	0.00

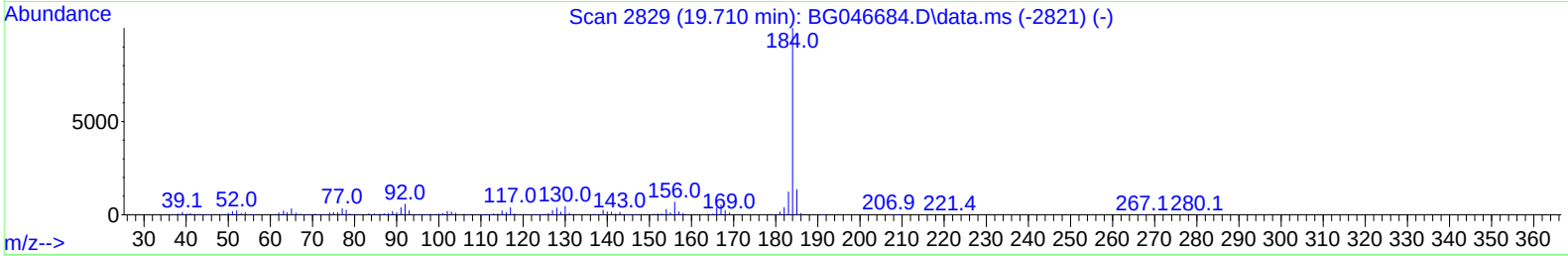
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092925\
Data File : BN037930.D
Acq On : 29 Sep 2025 10:15
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Sep 29 11:50:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 29 10:34:59 2025
Response via : Initial Calibration







TIC: BN037930.D\data.ms

(77) Benzidine

19.475min (+ 0.001) 0.00 ng

response 11301983

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.50	15.77
183.00	13.20	13.39
0.00	0.00	0.00

Instrument :
BNA_N
ClientSampleId :
DFTPP

DDT Breakdown

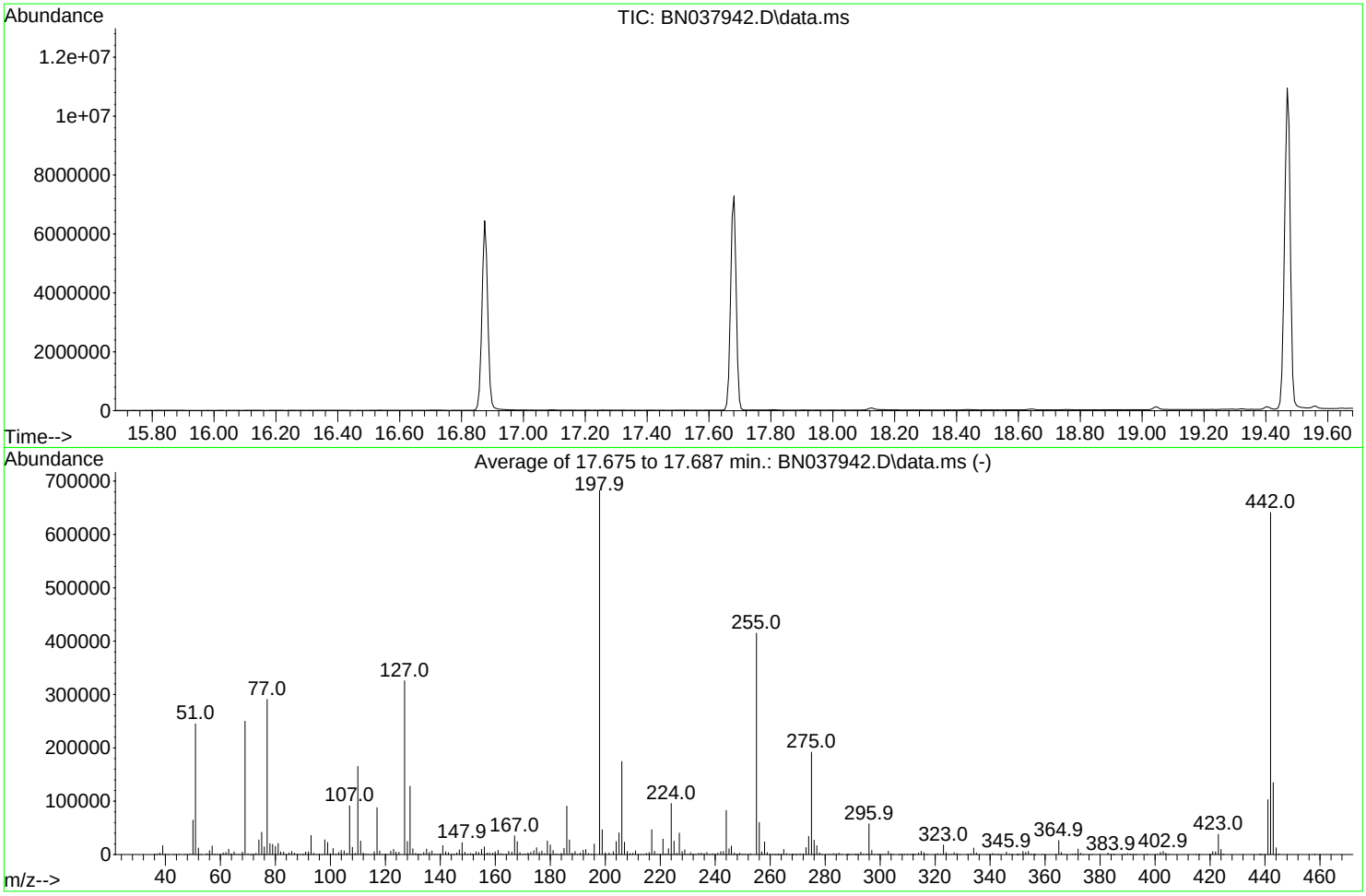
Date	Instrument Name	DFTPP Data File
9/29/2025	BNA_N	BN037930.D
Compound Name	**Response**	**Retention Time**
DDT	5429934	20.71
DDD	31482	20.263
DDE	733	19.845
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
32215	5462149	0.59

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN093025\
Data File : BN037942.D
Acq On : 30 Sep 2025 11:37
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-BN092325.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Sep 24 11:00:01 2025



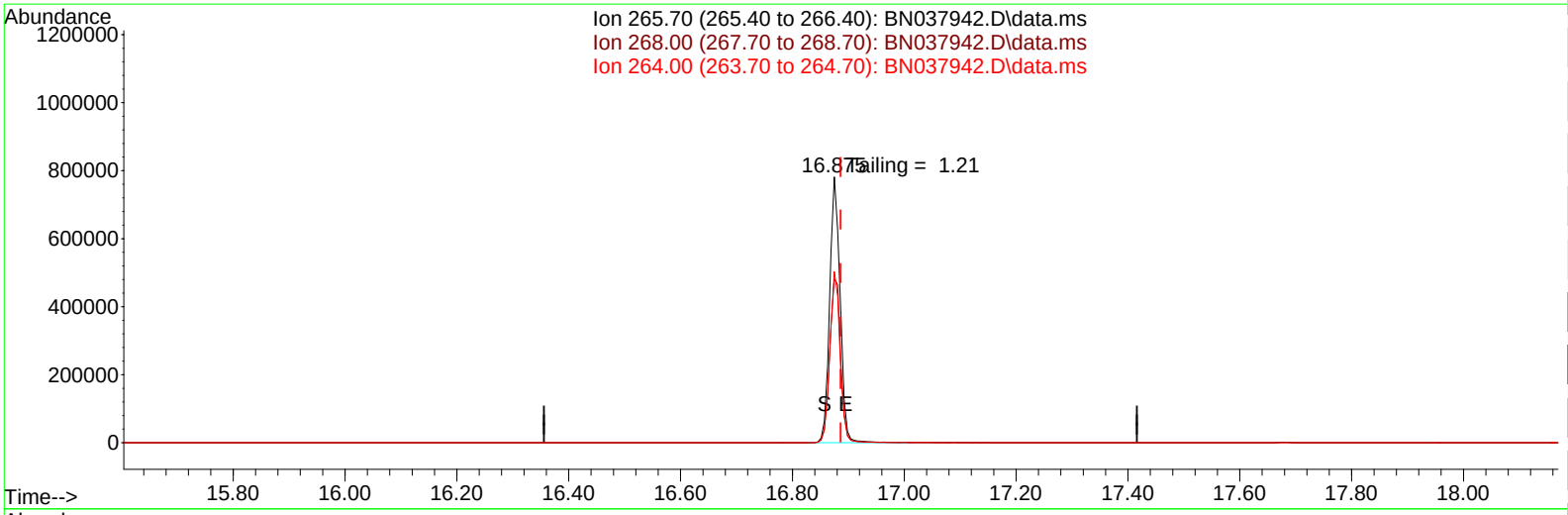
AutoFind: Scans 2480, 2481, 2482; Background Corrected with Scan 2472

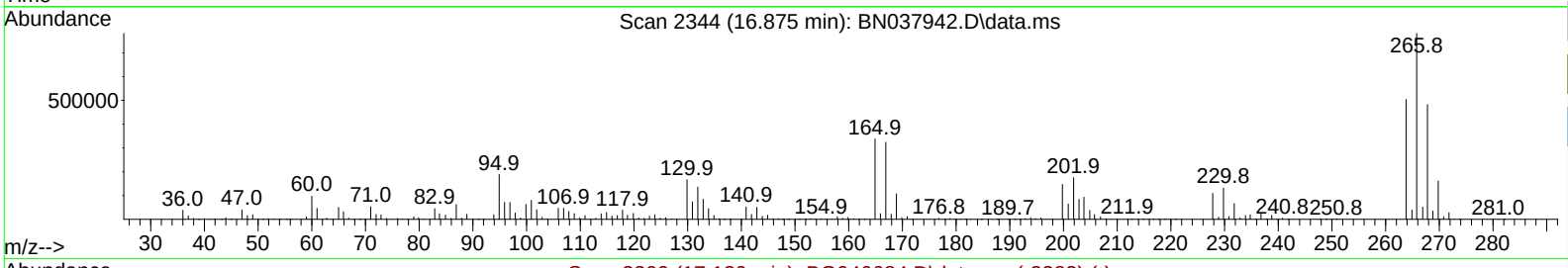
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.9	4633	PASS
69	69	100	100	100.0	249877	PASS
70	69	0.00	2	0.5	1311	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	682325	PASS
199	198	5	9	6.8	46557	PASS
365	198	1	100	3.8	26251	PASS
441	443	0.01	150	76.2	102832	PASS
442	442	100	100	100.0	641173	PASS
443	442	15	24	21.0	134901	PASS

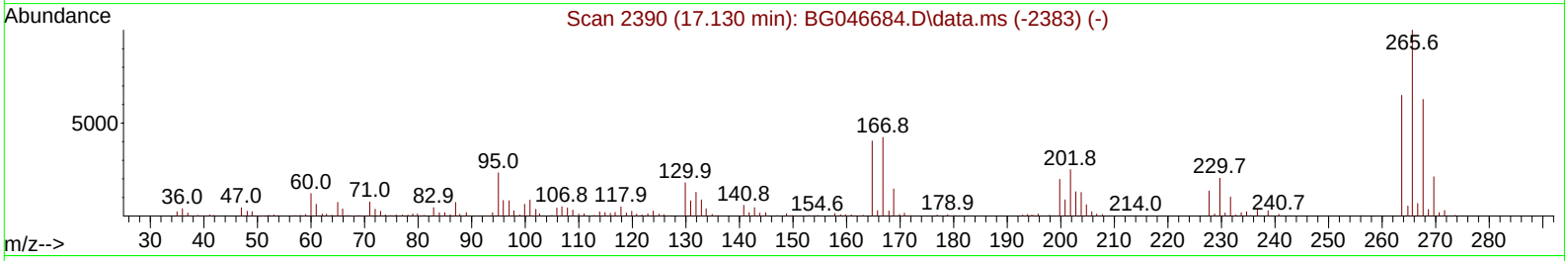
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN093025\
Data File : BN037942.D
Acq On : 30 Sep 2025 11:37
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Sep 30 13:14:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 29 10:34:59 2025
Response via : Initial Calibration







TIC: BN037942.D\data.ms

(70) Pentachlorophenol (C)

16.875min (-0.011) 31430.20 ng

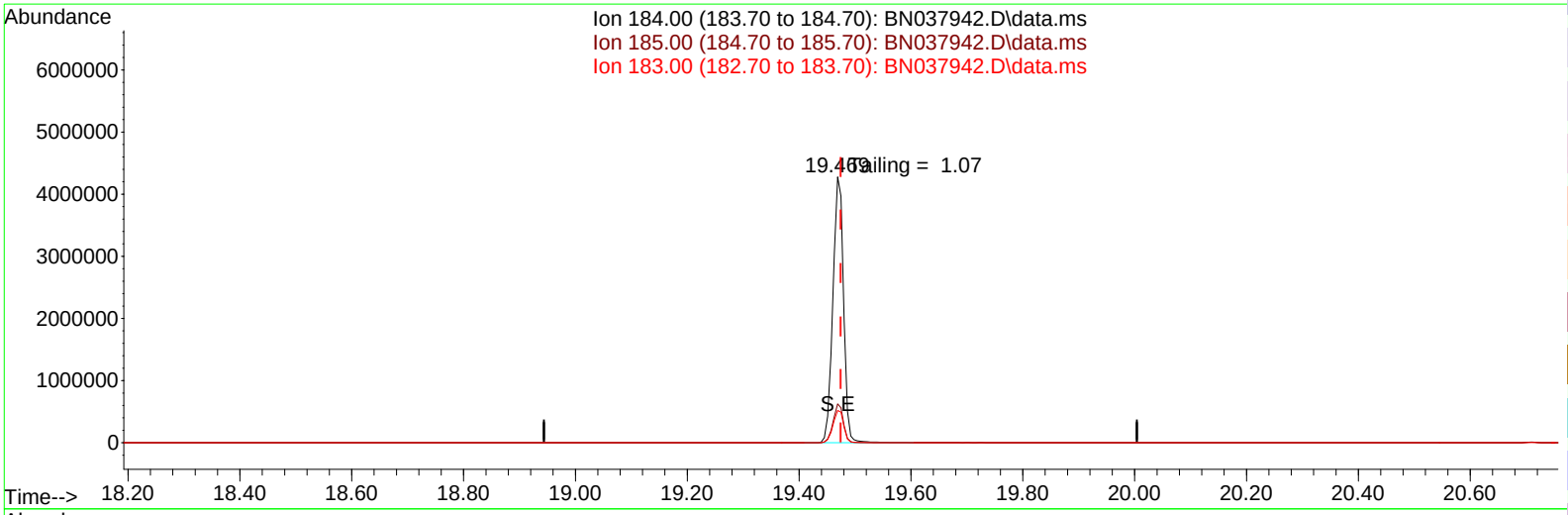
response 1011044

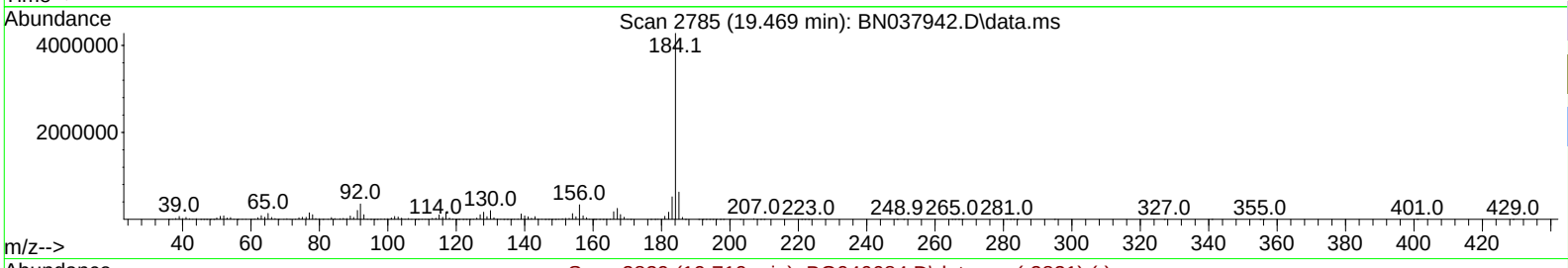
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.20	61.70
264.00	61.60	64.42
0.00	0.00	0.00

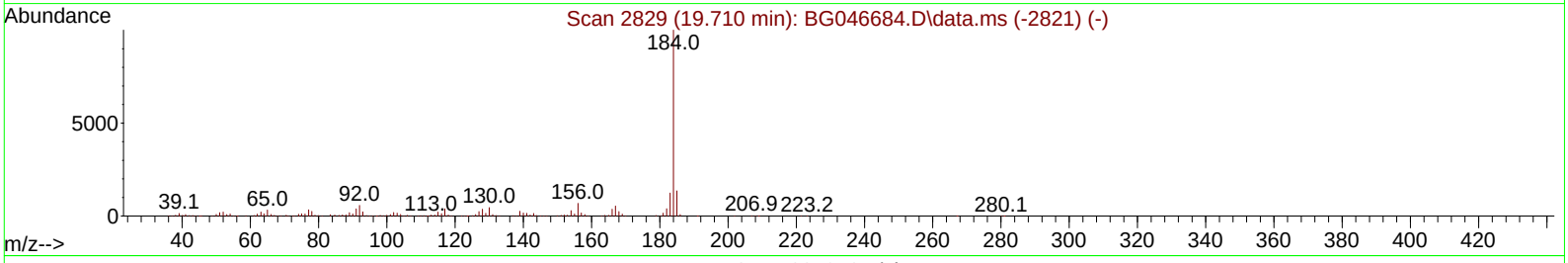
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN093025\
Data File : BN037942.D
Acq On : 30 Sep 2025 11:37
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Sep 30 13:14:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 29 10:34:59 2025
Response via : Initial Calibration







TIC: BN037942.D\data.ms

(77) Benzidine

19.469min (-0.005) 0.00 ng

response 5670270

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.50	14.62
183.00	13.20	12.12
0.00	0.00	0.00

Instrument :
BNA_N
ClientSampleId :
DFTPP

DDT Breakdown

Date	Instrument Name	DFTPP Data File
9/30/2025	BNA_N	BN037942.D
Compound Name	**Response**	**Retention Time**
DDT	2784316	20.71
DDD	23255	20.263
DDE	189	19.851
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
23444	2807760	0.83

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:	PB169794BL	SDG No.:	Q3156
Lab Sample ID:	PB169794BL	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
BN037904.D	1	09/23/25 09:15	09/26/25 01:03	PB169794

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		83%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.36		30 - 150		89%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.36		55 - 111		89%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.37		53 - 106		92%	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	7890	7.818				
1146-65-2	Naphthalene-d8	21200	10.626				
15067-26-2	Acenaphthene-d10	10200	14.473				
1517-22-2	Phenanthrene-d10	21200	17.223				
1719-03-5	Chrysene-d12	17600	21.402				
1520-96-3	Perylene-d12	15800	23.727				

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\BN092525\
Data File : BN037904.D
Acq On : 26 Sep 2025 01:03
Operator : RC/JU
Sample : PB169794BL
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB169794BL

Quant Time: Sep 26 02:31:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration

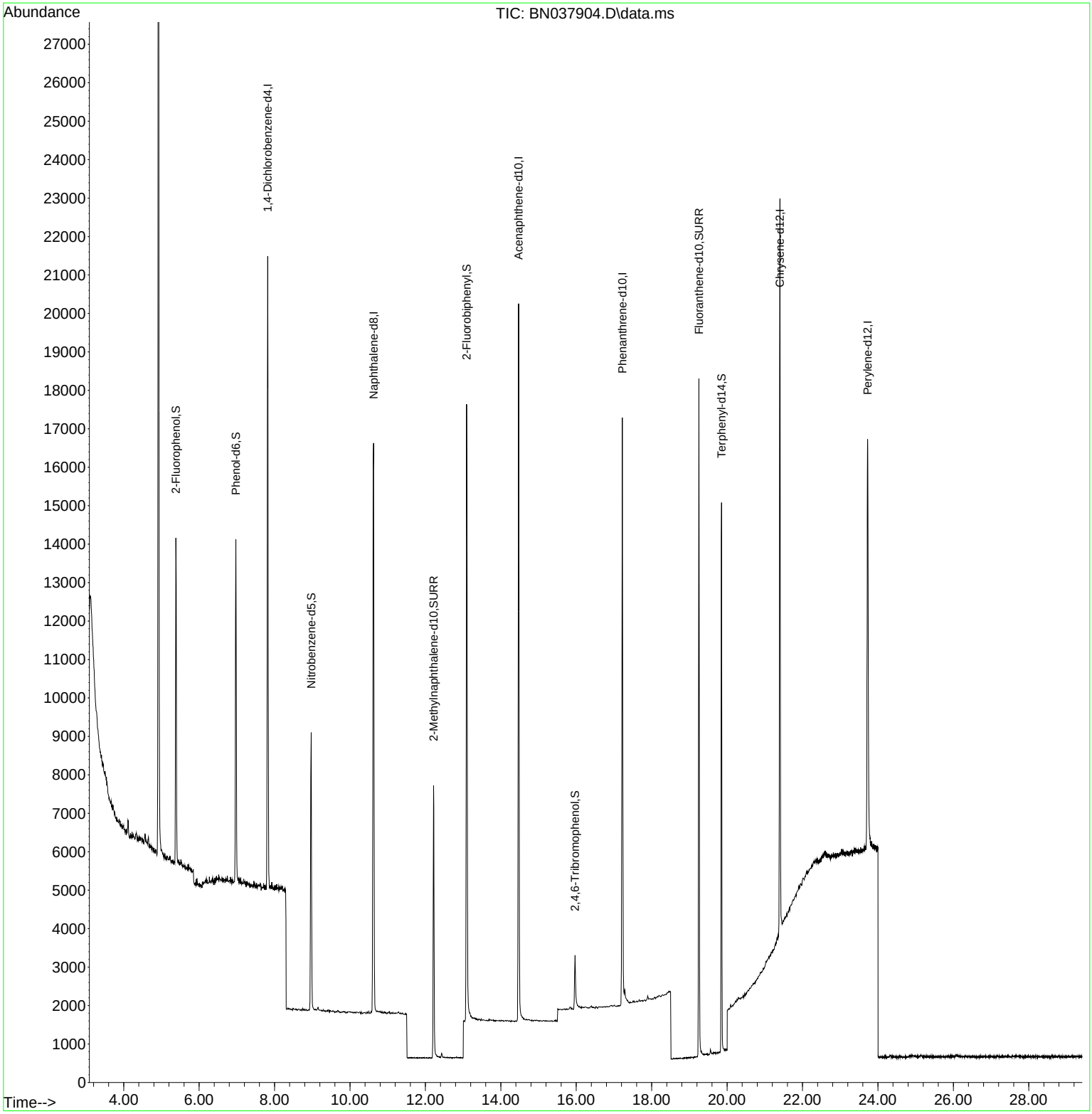
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.818	152	7888	0.400	ng	0.00
7) Naphthalene-d8	10.626	136	21247	0.400	ng	0.00
13) Acenaphthene-d10	14.473	164	10244	0.400	ng	0.00
19) Phenanthrene-d10	17.223	188	21199	0.400	ng	0.00
29) Chrysene-d12	21.402	240	17643	0.400	ng	0.00
35) Perylene-d12	23.727	264	15839	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.385	112	6713	0.373	ng	0.00
5) Phenol-d6	6.973	99	8174	0.346	ng	0.00
8) Nitrobenzene-d5	8.971	82	5759	0.355	ng	0.00
11) 2-Methylnaphthalene-d10	12.217	152	9809	0.332	ng	0.00
14) 2,4,6-Tribromophenol	15.969	330	1035	0.266	ng	0.00
15) 2-Fluorobiphenyl	13.094	172	15408	0.367	ng	0.00
27) Fluoranthene-d10	19.253	212	18947	0.355	ng	0.00
31) Terphenyl-d14	19.852	244	13358	0.380	ng	0.00
Target Compounds						Qvalue

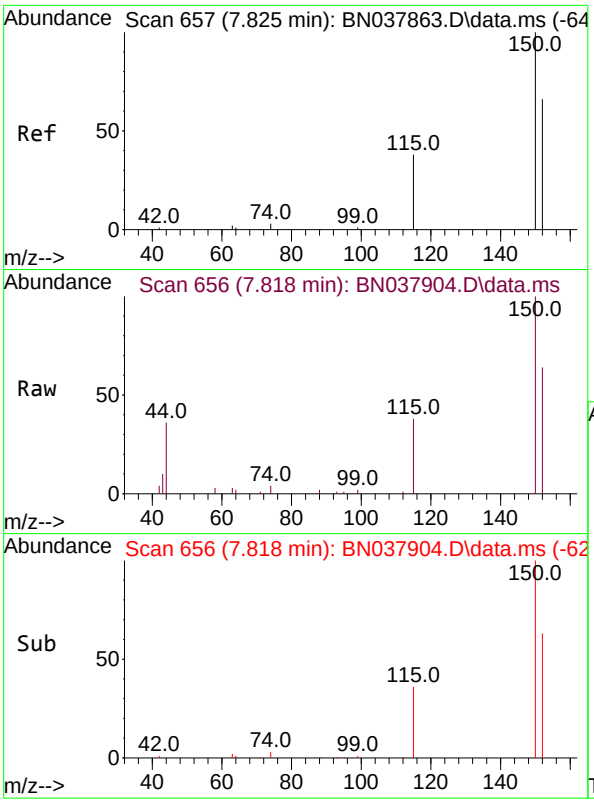
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092525\
Data File : BN037904.D
Acq On : 26 Sep 2025 01:03
Operator : RC/JU
Sample : PB169794BL
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB169794BL

Quant Time: Sep 26 02:31:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration



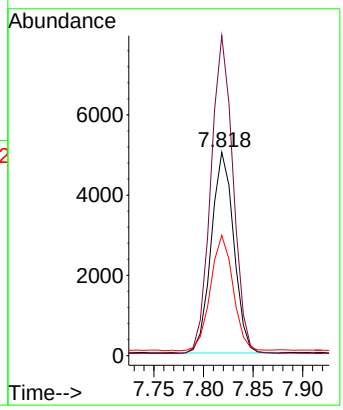


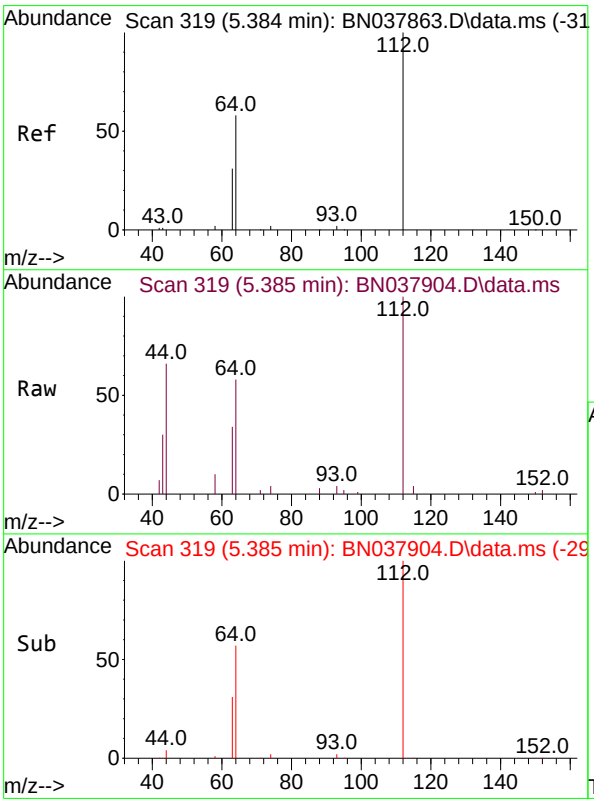
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.818 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN037904.D
Acq: 26 Sep 2025 01:03

Instrument :
BNA_N
ClientSampleId :
PB169794BL

Tgt Ion:152 Resp: 7888

Ion	Ratio	Lower	Upper
152	100		
150	157.3	121.0	181.4
115	59.2	47.4	71.0

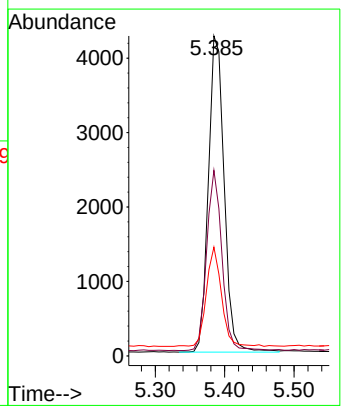


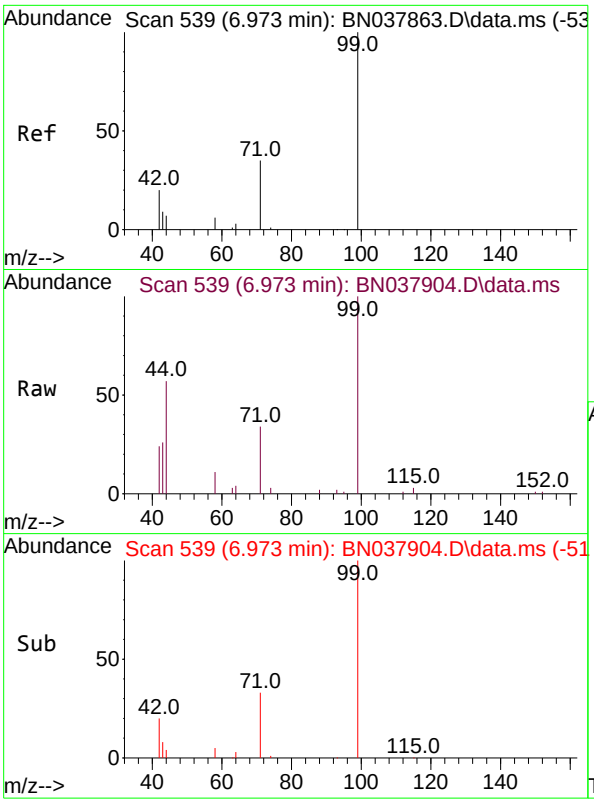


#4
2-Fluorophenol
Concen: 0.373 ng
RT: 5.385 min Scan# 319
Delta R.T. 0.000 min
Lab File: BN037904.D
Acq: 26 Sep 2025 01:03

Tgt Ion:112 Resp: 6713

Ion	Ratio	Lower	Upper
112	100		
64	55.0	44.6	66.8
63	30.2	24.9	37.3



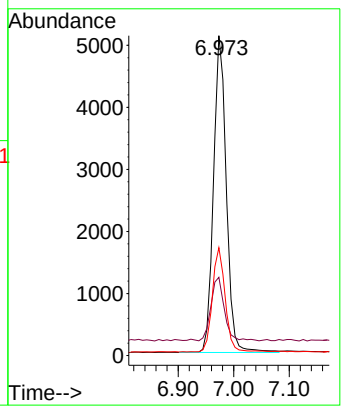


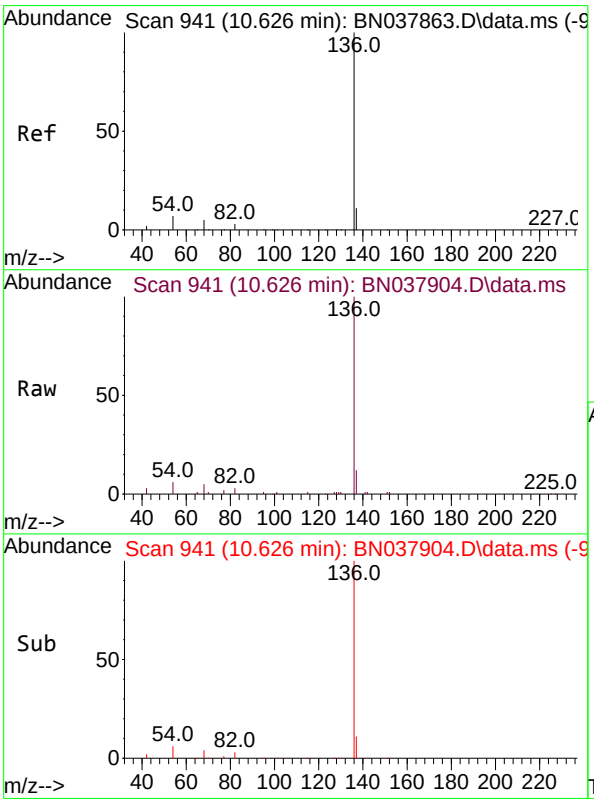
#5
Phenol-d6
Concen: 0.346 ng
RT: 6.973 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN037904.D
Acq: 26 Sep 2025 01:03

Instrument :
BNA_N
ClientSampleId :
PB169794BL

Tgt Ion: 99 Resp: 8174

Ion	Ratio	Lower	Upper
99	100		
42	21.0	17.2	25.8
71	33.2	27.3	40.9

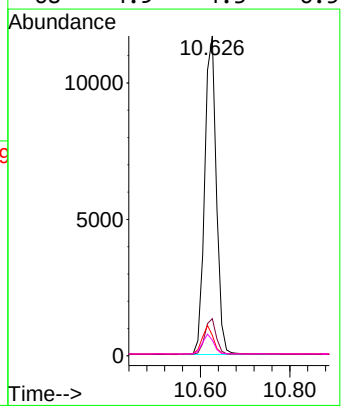


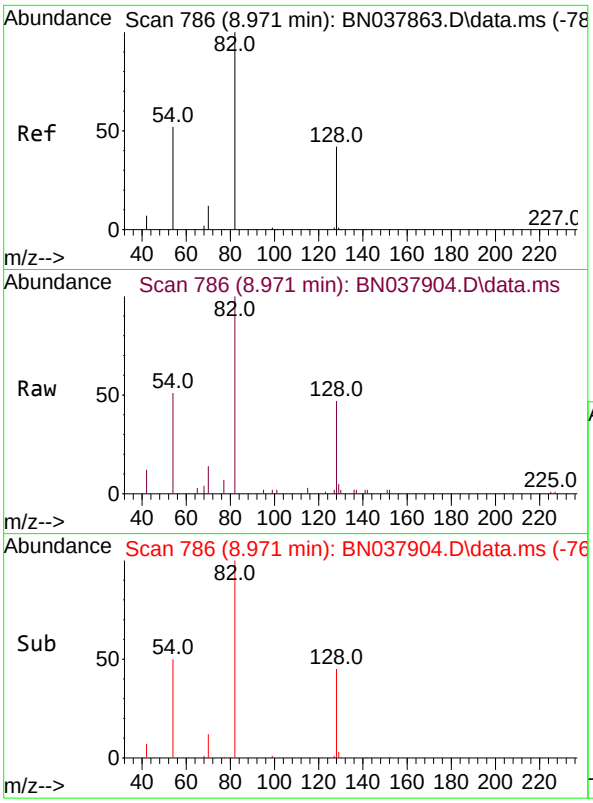


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.626 min Scan# 941
Delta R.T. 0.000 min
Lab File: BN037904.D
Acq: 26 Sep 2025 01:03

Tgt Ion:136 Resp: 21247

Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.0	13.4
54	6.4	5.8	8.8
68	4.9	4.3	6.5



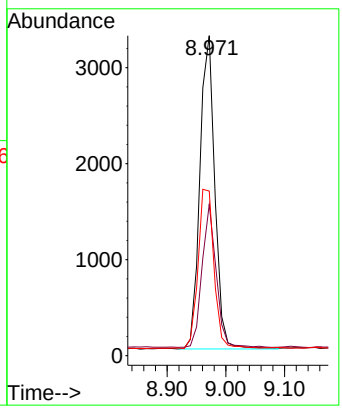


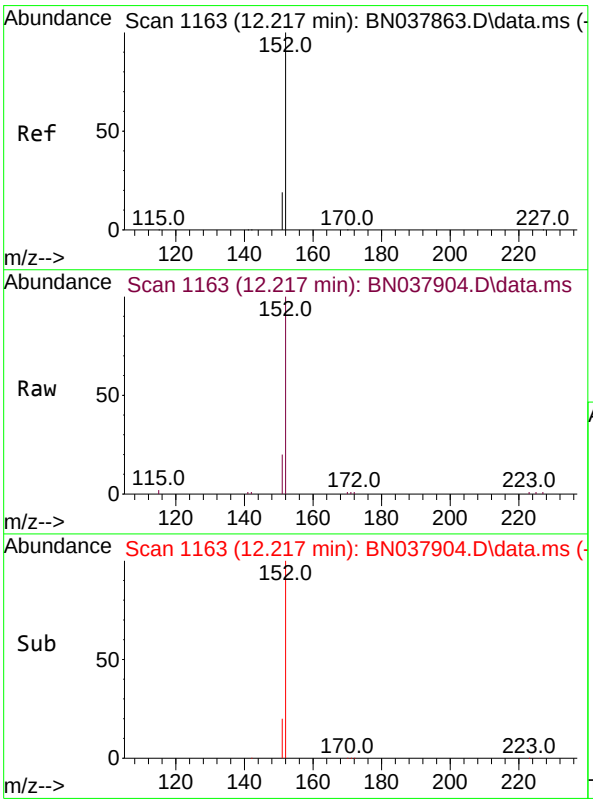
#8
Nitrobenzene-d5
Concen: 0.355 ng
RT: 8.971 min Scan# 78
Delta R.T. 0.000 min
Lab File: BN037904.D
Acq: 26 Sep 2025 01:03

Instrument :
BNA_N
ClientSampleId :
PB169794BL

Tgt Ion: 82 Resp: 5759

Ion	Ratio	Lower	Upper
82	100		
128	47.3	34.8	52.2
54	51.4	42.2	63.2

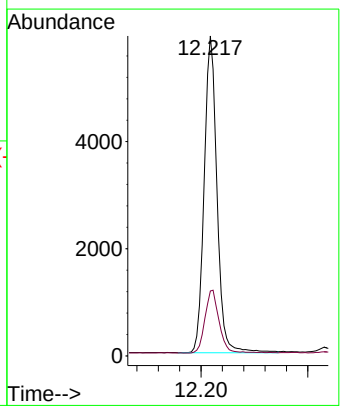


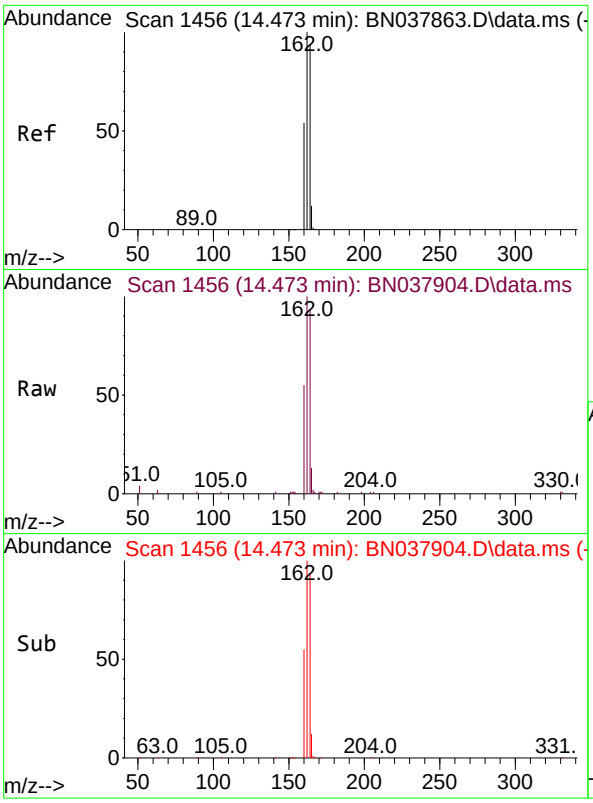


#11
2-Methylnaphthalene-d10
Concen: 0.332 ng
RT: 12.217 min Scan# 1163
Delta R.T. 0.000 min
Lab File: BN037904.D
Acq: 26 Sep 2025 01:03

Tgt Ion:152 Resp: 9809

Ion	Ratio	Lower	Upper
152	100		
151	21.9	17.4	26.2



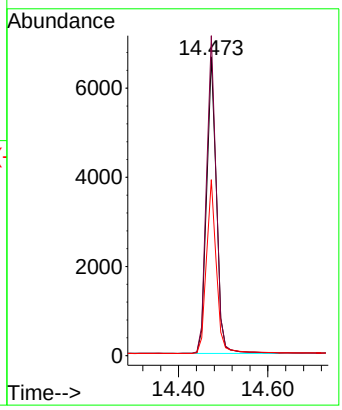


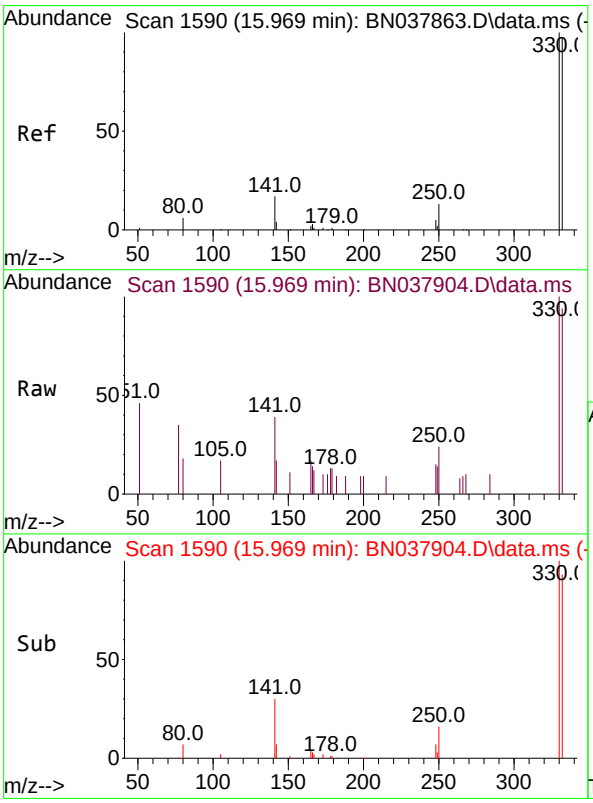
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.473 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037904.D
Acq: 26 Sep 2025 01:03

Instrument :
BNA_N
ClientSampleId :
PB169794BL

Tgt Ion:164 Resp: 10244

Ion	Ratio	Lower	Upper
164	100		
162	107.1	84.8	127.2
160	58.9	46.1	69.1

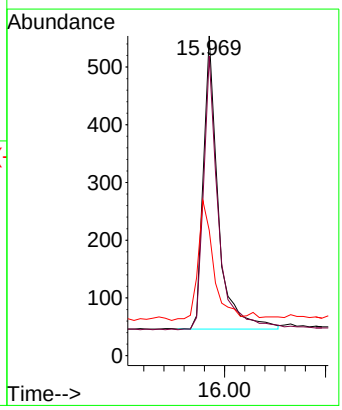


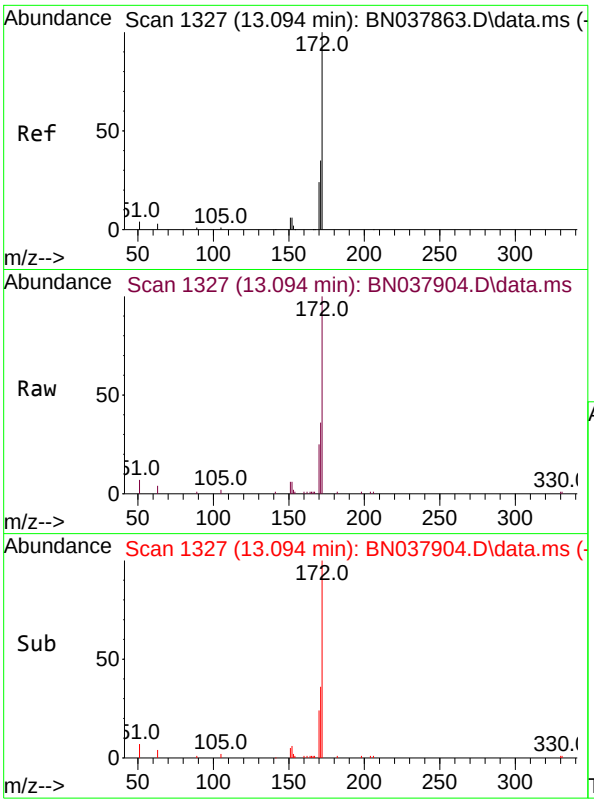


#14
2,4,6-Tribromophenol
Concen: 0.266 ng
RT: 15.969 min Scan# 1590
Delta R.T. 0.000 min
Lab File: BN037904.D
Acq: 26 Sep 2025 01:03

Tgt Ion:330 Resp: 1035

Ion	Ratio	Lower	Upper
330	100		
332	93.7	77.2	115.8
141	43.6	37.2	55.8



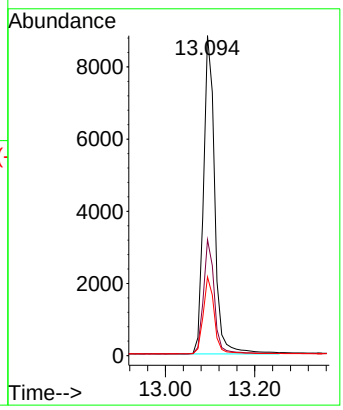


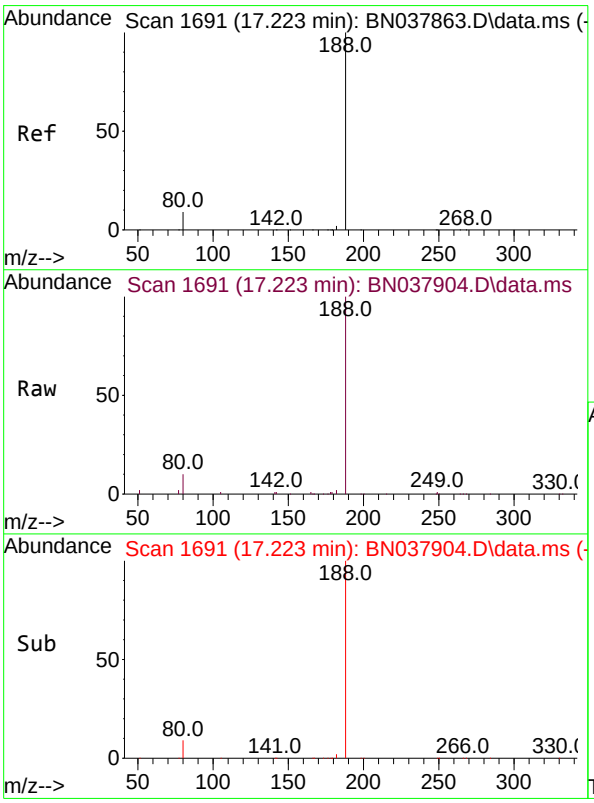
#15
2-Fluorobiphenyl
Concen: 0.367 ng
RT: 13.094 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037904.D
Acq: 26 Sep 2025 01:03

Instrument :
BNA_N
ClientSampleId :
PB169794BL

Tgt Ion:172 Resp: 15408

Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.6	43.0
170	24.6	19.7	29.5

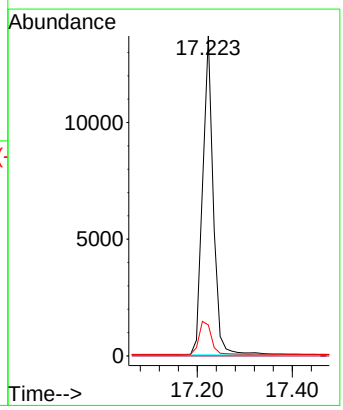


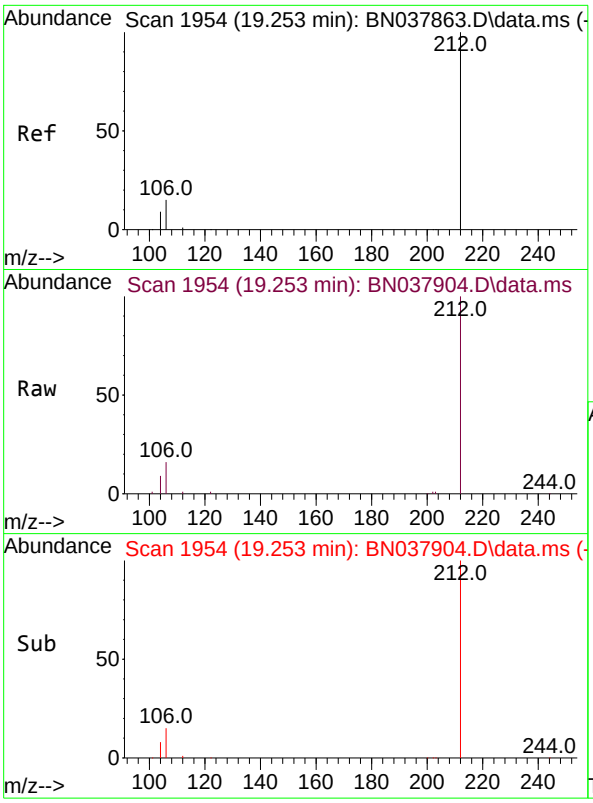


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.223 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BN037904.D
Acq: 26 Sep 2025 01:03

Tgt Ion:188 Resp: 21199

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.7	7.6	11.4



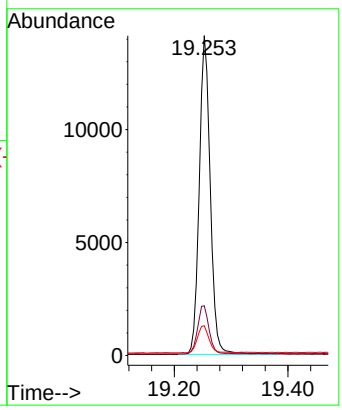


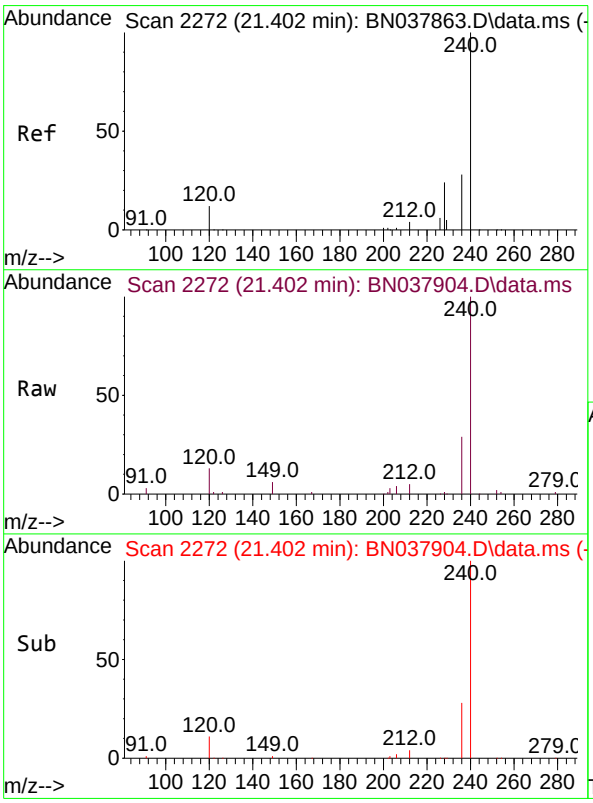
#27
Fluoranthene-d10
Concen: 0.355 ng
RT: 19.253 min Scan# 19
Delta R.T. 0.000 min
Lab File: BN037904.D
Acq: 26 Sep 2025 01:03

Instrument :
BNA_N
ClientSampleId :
PB169794BL

Tgt Ion:212 Resp: 18947

Ion	Ratio	Lower	Upper
212	100		
106	15.6	12.6	19.0
104	9.1	7.4	11.0

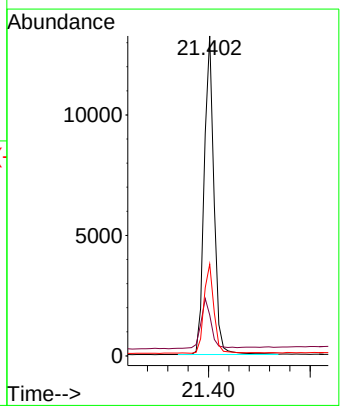


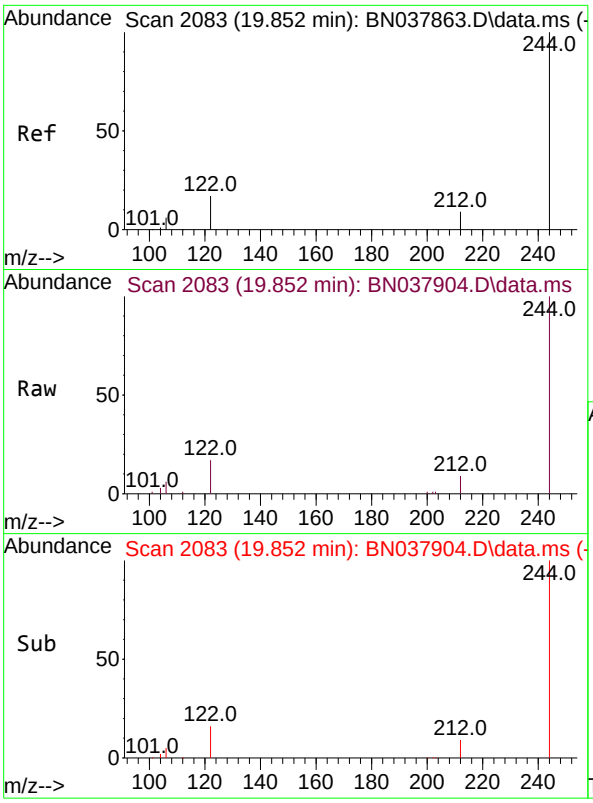


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.402 min Scan# 2272
Delta R.T. 0.000 min
Lab File: BN037904.D
Acq: 26 Sep 2025 01:03

Tgt Ion:240 Resp: 17643

Ion	Ratio	Lower	Upper
240	100		
120	12.8	11.4	17.2
236	28.7	23.0	34.6



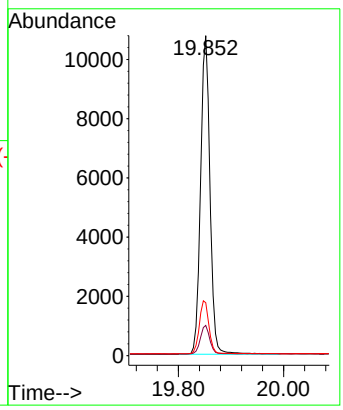


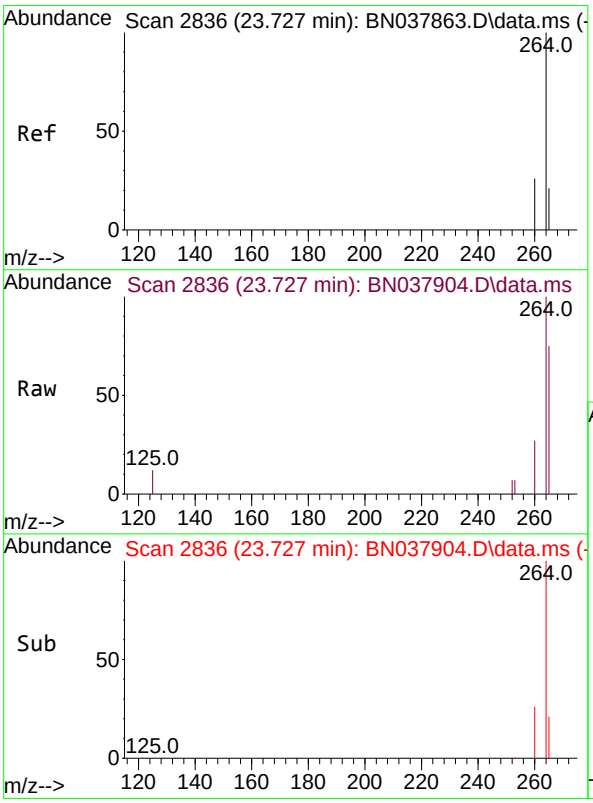
#31
Terphenyl-d14
Concen: 0.380 ng
RT: 19.852 min Scan# 20
Delta R.T. 0.000 min
Lab File: BN037904.D
Acq: 26 Sep 2025 01:03

Instrument :
BNA_N
ClientSampleId :
PB169794BL

Tgt Ion:244 Resp: 13358

Ion	Ratio	Lower	Upper
244	100		
212	9.4	7.6	11.4
122	16.5	13.9	20.9

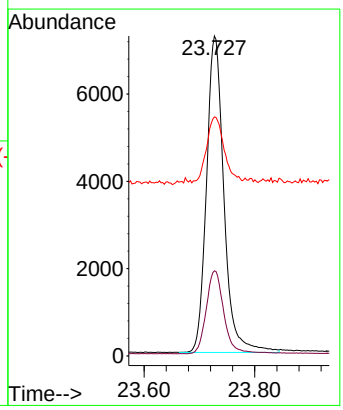




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.727 min Scan# 2836
Delta R.T. 0.000 min
Lab File: BN037904.D
Acq: 26 Sep 2025 01:03

Tgt Ion:264 Resp: 15839

Ion	Ratio	Lower	Upper
264	100		
260	26.6	21.5	32.3
265	74.7	53.8	80.6



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:	PB169794BS	SDG No.:	Q3156
Lab Sample ID:	PB169794BS	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
BN037905.D	1	09/23/25 09:15	09/26/25 01:40	PB169794

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	0.35		30 - 150		88%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.34		30 - 150		84%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.37		55 - 111		91%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.38		53 - 106		95%	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	8270	7.818				
1146-65-2	Naphthalene-d8	22700	10.626				
15067-26-2	Acenaphthene-d10	11300	14.473				
1517-22-2	Phenanthrene-d10	22300	17.223				
1719-03-5	Chrysene-d12	17500	21.402				
1520-96-3	Perylene-d12	14000	23.727				

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\BN092525\
Data File : BN037905.D
Acq On : 26 Sep 2025 01:40
Operator : RC/JU
Sample : PB169794BS
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB169794BS

Quant Time: Sep 26 02:31:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration

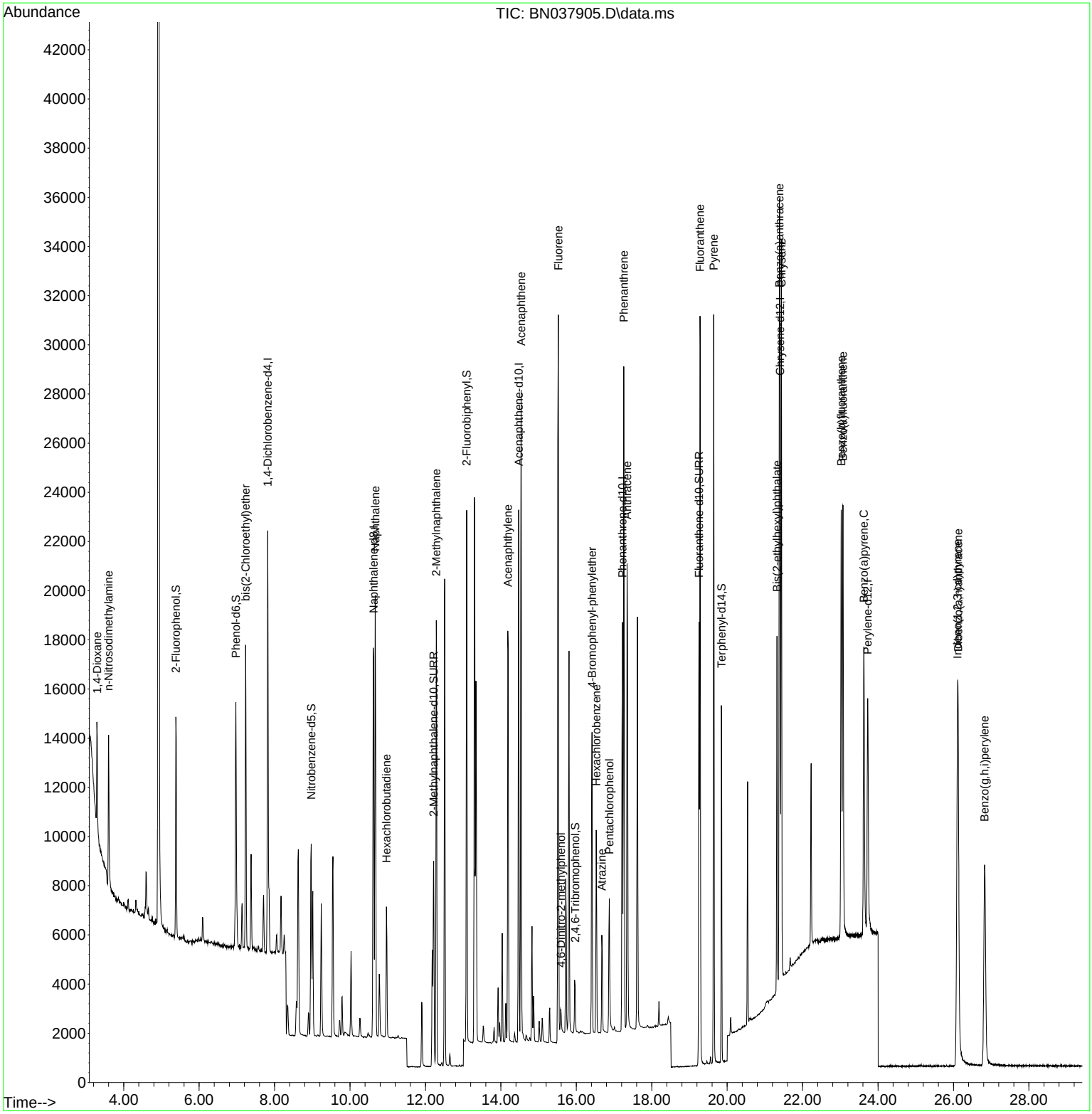
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.818	152	8269	0.400	ng	0.00
7) Naphthalene-d8	10.626	136	22708	0.400	ng	0.00
13) Acenaphthene-d10	14.473	164	11283	0.400	ng	0.00
19) Phenanthrene-d10	17.223	188	22331	0.400	ng	0.00
29) Chrysene-d12	21.402	240	17549	0.400	ng	0.00
35) Perylene-d12	23.727	264	13953	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.384	112	7082	0.375	ng	0.00
5) Phenol-d6	6.973	99	9032	0.364	ng	0.00
8) Nitrobenzene-d5	8.971	82	6325	0.365	ng	0.00
11) 2-Methylnaphthalene-d10	12.217	152	11082	0.351	ng	0.00
14) 2,4,6-Tribromophenol	15.969	330	1337	0.313	ng	0.00
15) 2-Fluorobiphenyl	13.094	172	17613	0.381	ng	0.00
27) Fluoranthene-d10	19.252	212	18977	0.338	ng	0.00
31) Terphenyl-d14	19.852	244	13553	0.388	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.297	88	2493	0.297	ng	# 75
3) n-Nitrosodimethylamine	3.600	42	3688	0.330	ng	# 89
6) bis(2-Chloroethyl)ether	7.233	93	8466	0.368	ng	97
9) Naphthalene	10.669	128	22751	0.364	ng	99
10) Hexachlorobutadiene	10.968	225	4158	0.390	ng	# 99
12) 2-Methylnaphthalene	12.288	142	12807	0.313	ng	99
16) Acenaphthylene	14.184	152	19728	0.385	ng	99
17) Acenaphthene	14.537	154	12666	0.347	ng	99
18) Fluorene	15.522	166	15662	0.355	ng	100
20) 4,6-Dinitro-2-methylph...	15.597	198	763	0.335	ng	# 82
21) 4-Bromophenyl-phenylether	16.416	248	4979	0.342	ng	93
22) Hexachlorobenzene	16.528	284	6341	0.359	ng	100
23) Atrazine	16.677	200	3446	0.311	ng	# 89
24) Pentachlorophenol	16.875	266	3082	0.509	ng	97
25) Phenanthrene	17.260	178	26109	0.355	ng	99
26) Anthracene	17.347	178	22710	0.356	ng	99
28) Fluoranthene	19.280	202	26690	0.330	ng	100
30) Pyrene	19.643	202	26662	0.385	ng	100
32) Benzo(a)anthracene	21.384	228	22930	0.374	ng	100
33) Chrysene	21.438	228	25148	0.379	ng	99
34) Bis(2-ethylhexyl)phtha...	21.322	149	7269	0.300	ng	# 98
36) Indeno(1,2,3-cd)pyrene	26.107	276	22379	0.351	ng	99
37) Benzo(b)fluoranthene	23.022	252	23607	0.392	ng	98
38) Benzo(k)fluoranthene	23.069	252	23247	0.384	ng	99
39) Benzo(a)pyrene	23.624	252	18683	0.393	ng	99
40) Dibenzo(a,h)anthracene	26.121	278	17277	0.347	ng	98
41) Benzo(g,h,i)perylene	26.826	276	18529	0.354	ng	100

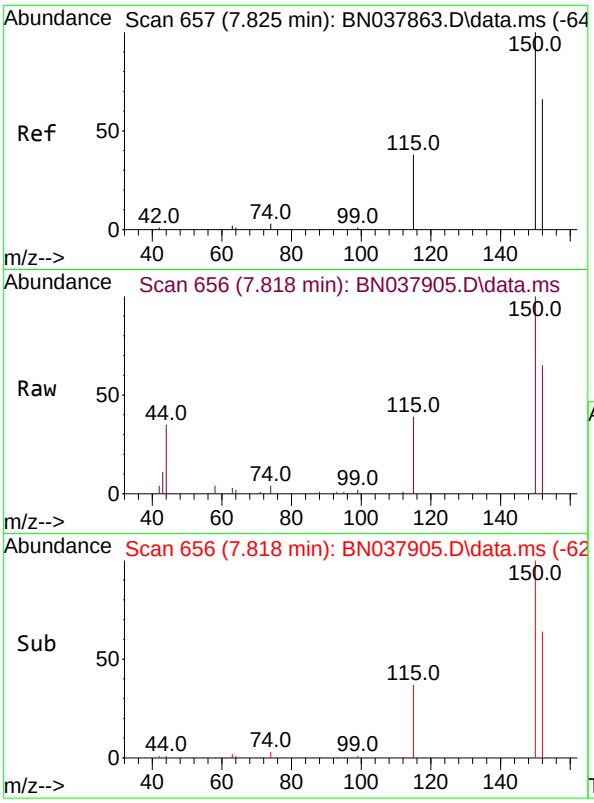
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092525\
Data File : BN037905.D
Acq On : 26 Sep 2025 01:40
Operator : RC/JU
Sample : PB169794BS
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB169794BS

Quant Time: Sep 26 02:31:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration



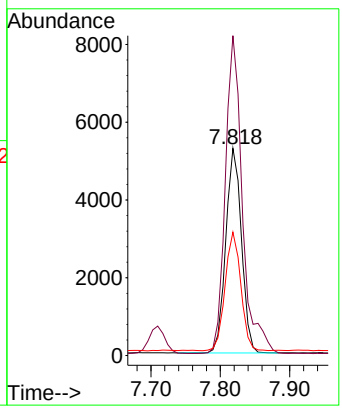


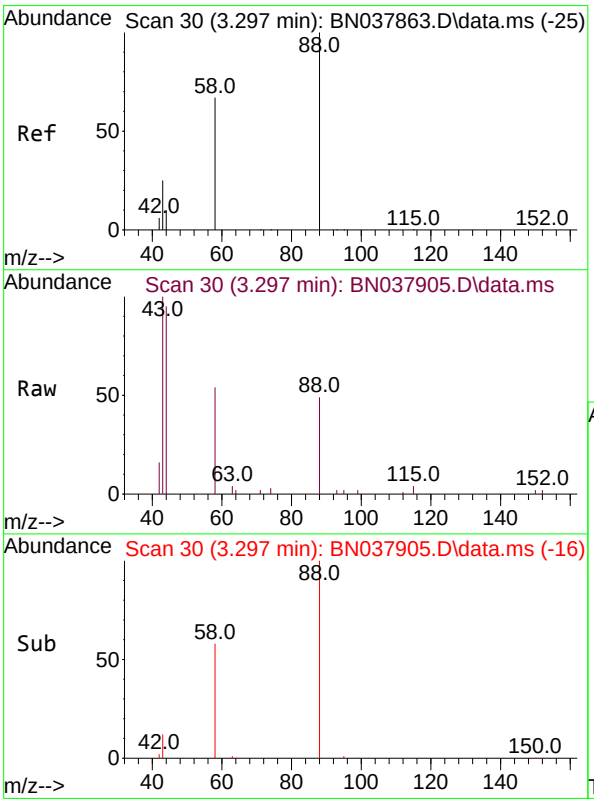
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.818 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN037905.D
Acq: 26 Sep 2025 01:40

Instrument :
BNA_N
ClientSampleId :
PB169794BS

Tgt Ion:152 Resp: 8269

Ion	Ratio	Lower	Upper
152	100		
150	154.3	121.0	181.4
115	59.5	47.4	71.0

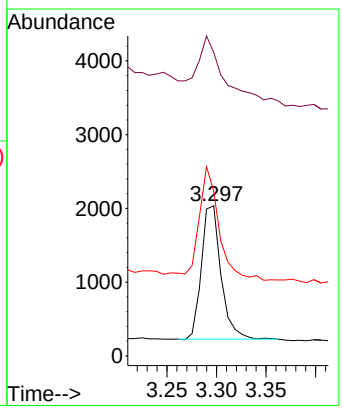


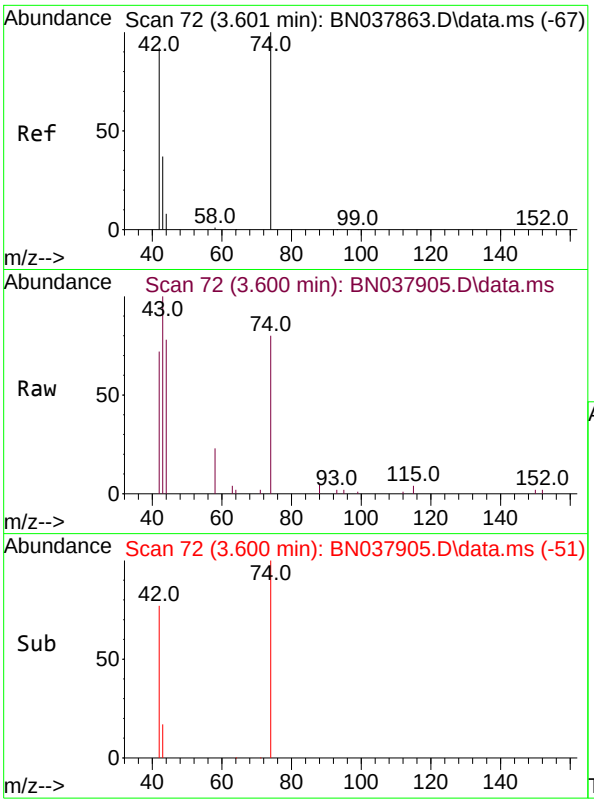


#2
1,4-Dioxane
Concen: 0.297 ng
RT: 3.297 min Scan# 30
Delta R.T. -0.000 min
Lab File: BN037905.D
Acq: 26 Sep 2025 01:40

Tgt Ion: 88 Resp: 2493

Ion	Ratio	Lower	Upper
88	100		
43	60.6	26.6	39.8#
58	85.8	58.9	88.3



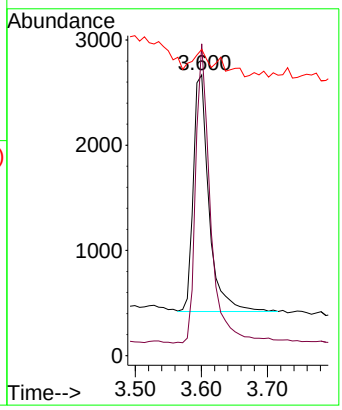


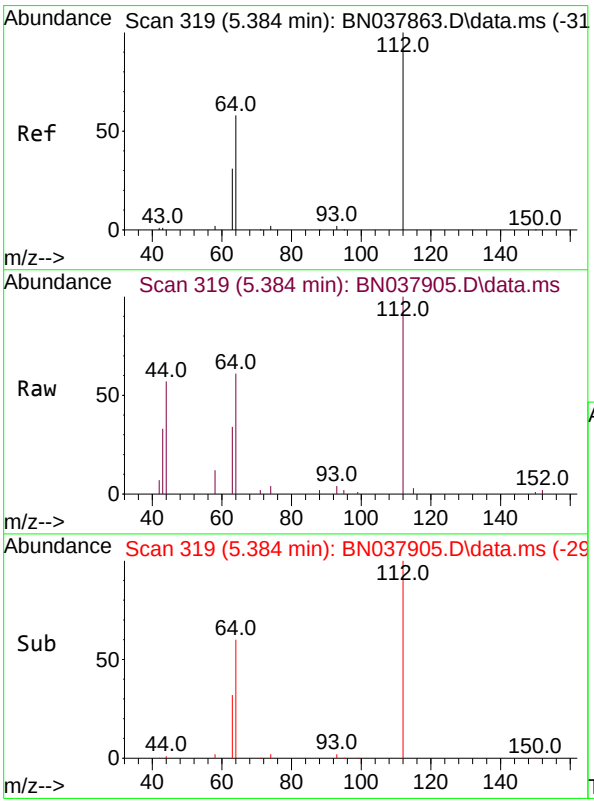
#3
n-Nitrosodimethylamine
Concen: 0.330 ng
RT: 3.600 min Scan# 7
Delta R.T. -0.000 min
Lab File: BN037905.D
Acq: 26 Sep 2025 01:40

Instrument :
BNA_N
ClientSampleId :
PB169794BS

Tgt Ion: 42 Resp: 3688

Ion	Ratio	Lower	Upper
42	100		
74	120.9	93.4	140.0
44	6.8	22.2	33.4#

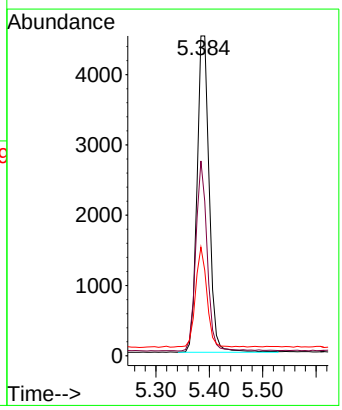


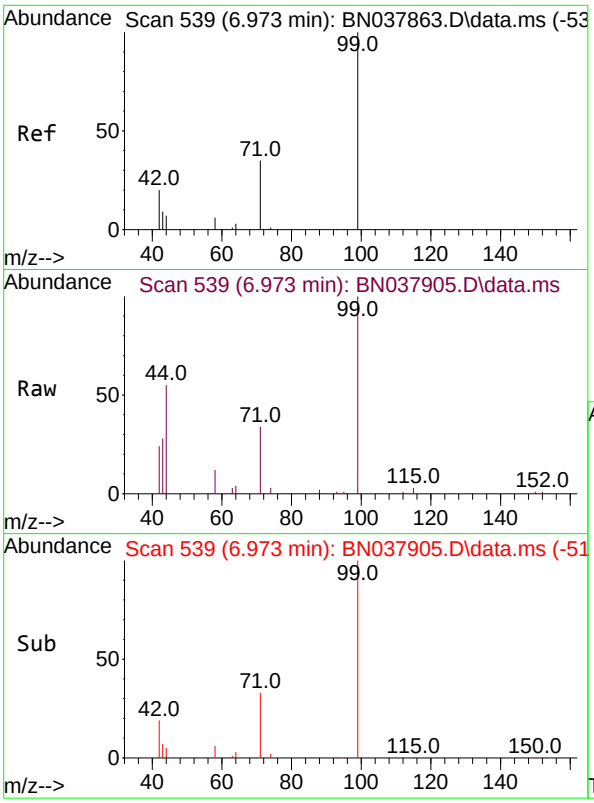


#4
2-Fluorophenol
Concen: 0.375 ng
RT: 5.384 min Scan# 319
Delta R.T. -0.000 min
Lab File: BN037905.D
Acq: 26 Sep 2025 01:40

Tgt Ion:112 Resp: 7082

Ion	Ratio	Lower	Upper
112	100		
64	55.8	44.6	66.8
63	29.2	24.9	37.3



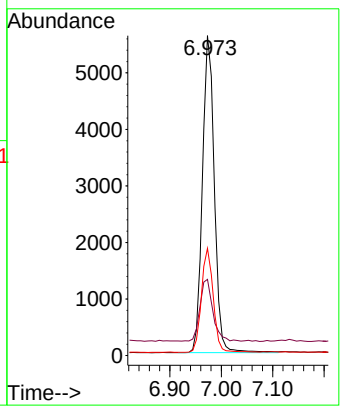


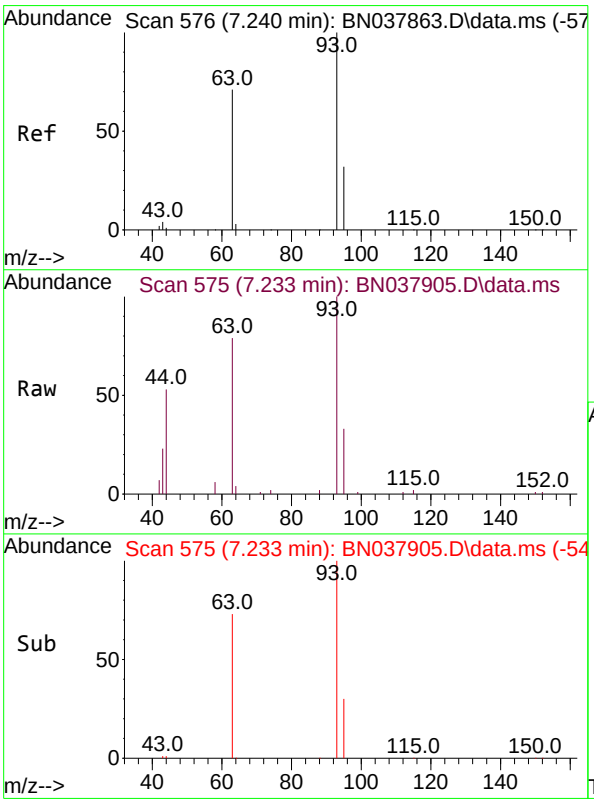
#5
Phenol-d6
Concen: 0.364 ng
RT: 6.973 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN037905.D
Acq: 26 Sep 2025 01:40

Instrument :
BNA_N
ClientSampleId :
PB169794BS

Tgt Ion: 99 Resp: 9032

Ion	Ratio	Lower	Upper
99	100		
42	20.9	17.2	25.8
71	32.5	27.3	40.9

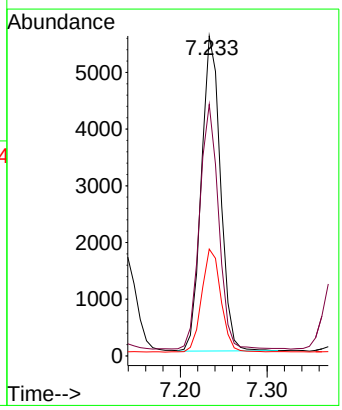


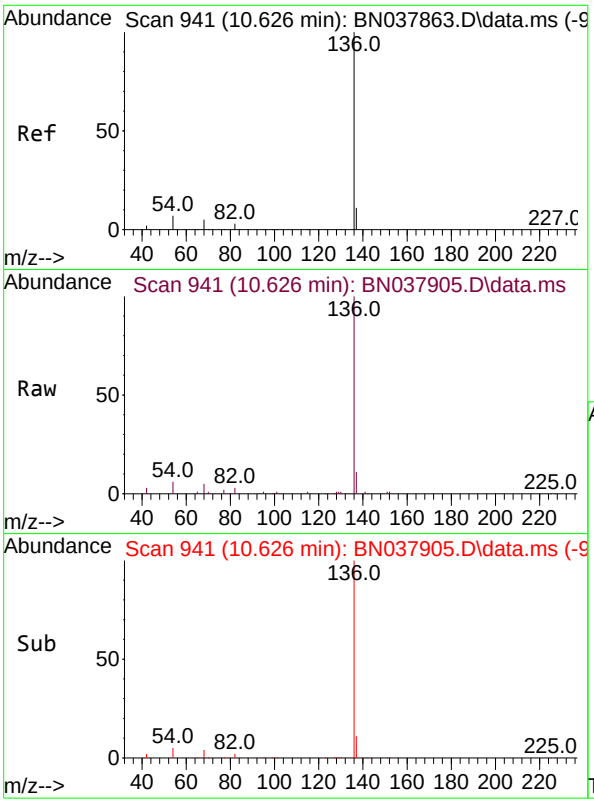


#6
bis(2-Chloroethyl)ether
Concen: 0.368 ng
RT: 7.233 min Scan# 575
Delta R.T. -0.007 min
Lab File: BN037905.D
Acq: 26 Sep 2025 01:40

Tgt Ion: 93 Resp: 8466

Ion	Ratio	Lower	Upper
93	100		
63	77.5	60.1	90.1
95	33.1	25.4	38.2



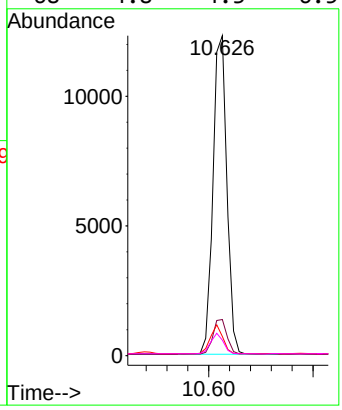


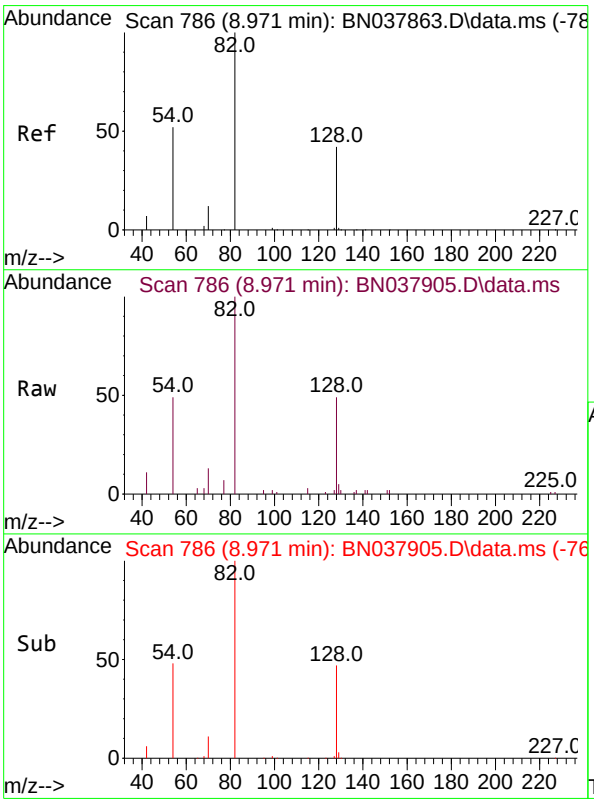
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.626 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN037905.D
Acq: 26 Sep 2025 01:40

Instrument :
BNA_N
ClientSampleId :
PB169794BS

Tgt Ion:136 Resp: 22708

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.4
54	6.0	5.8	8.8
68	4.8	4.3	6.5

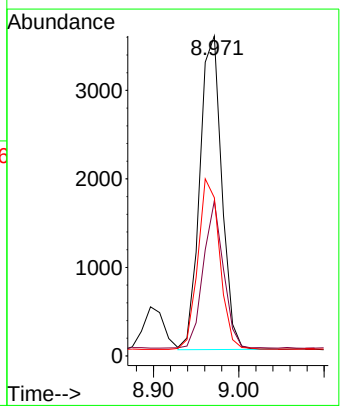


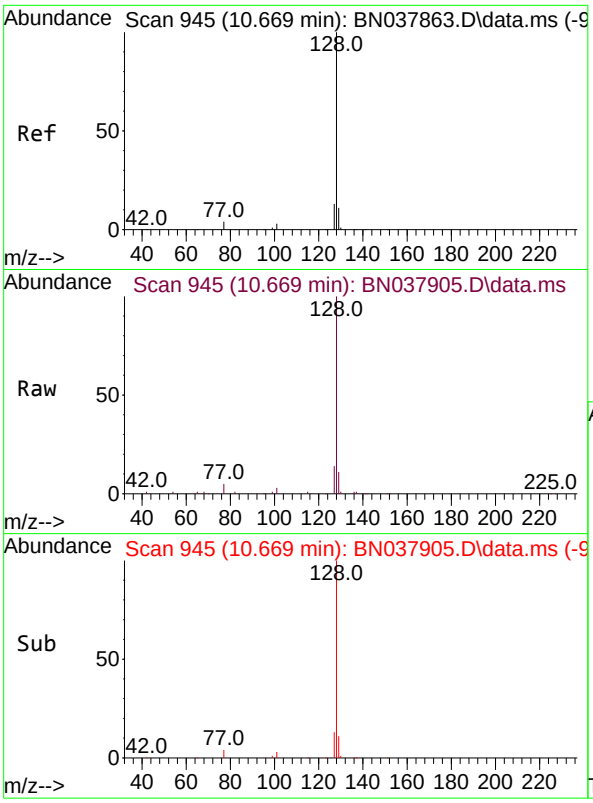


#8
Nitrobenzene-d5
Concen: 0.365 ng
RT: 8.971 min Scan# 786
Delta R.T. -0.000 min
Lab File: BN037905.D
Acq: 26 Sep 2025 01:40

Tgt Ion: 82 Resp: 6325

Ion	Ratio	Lower	Upper
82	100		
128	48.5	34.8	52.2
54	49.4	42.2	63.2



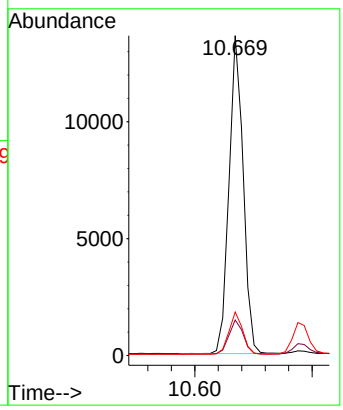


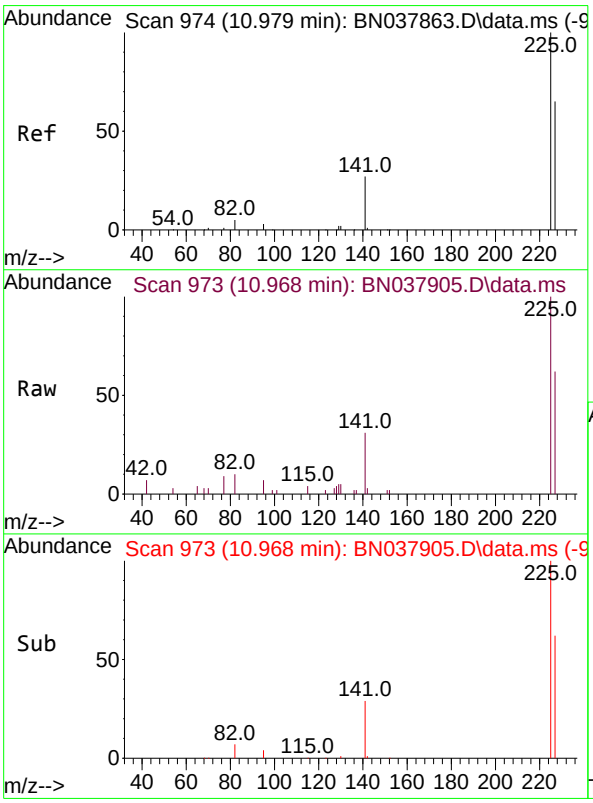
#9
Naphthalene
Concen: 0.364 ng
RT: 10.669 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN037905.D
Acq: 26 Sep 2025 01:40

Instrument :
BNA_N
ClientSampleId :
PB169794BS

Tgt Ion:128 Resp: 22751

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.2	13.8
127	13.6	11.0	16.6

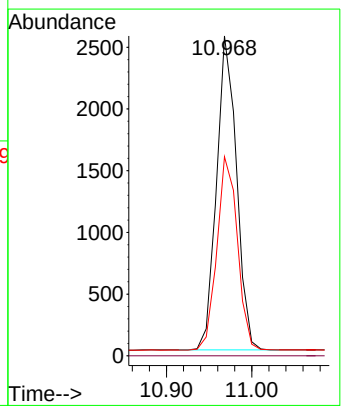


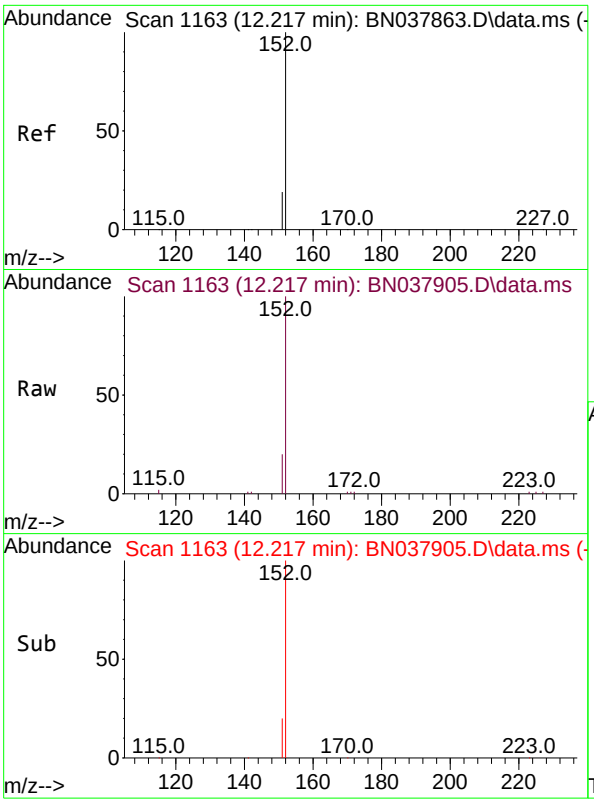


#10
Hexachlorobutadiene
Concen: 0.390 ng
RT: 10.968 min Scan# 973
Delta R.T. -0.011 min
Lab File: BN037905.D
Acq: 26 Sep 2025 01:40

Tgt Ion:225 Resp: 4158

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.2	51.4	77.2



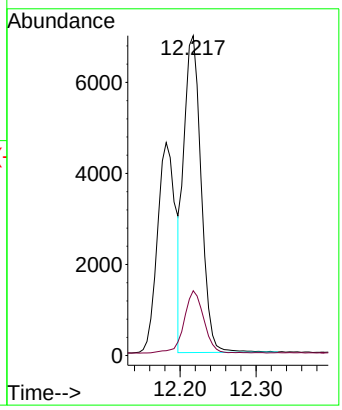


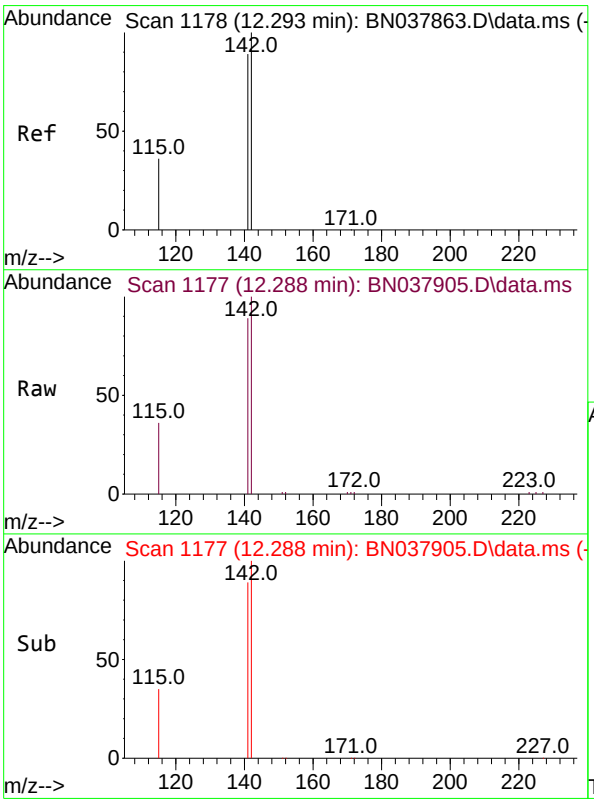
#11
2-Methylnaphthalene-d10
Concen: 0.351 ng
RT: 12.217 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN037905.D
Acq: 26 Sep 2025 01:40

Instrument :
BNA_N
ClientSampleId :
PB169794BS

Tgt Ion:152 Resp: 11082

Ion	Ratio	Lower	Upper
152	100		
151	22.6	17.4	26.2

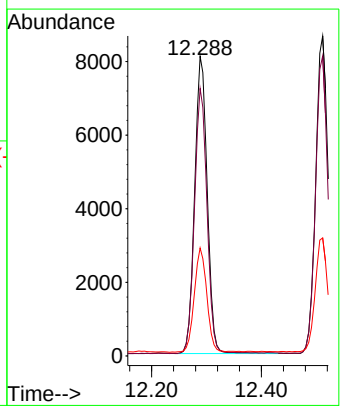


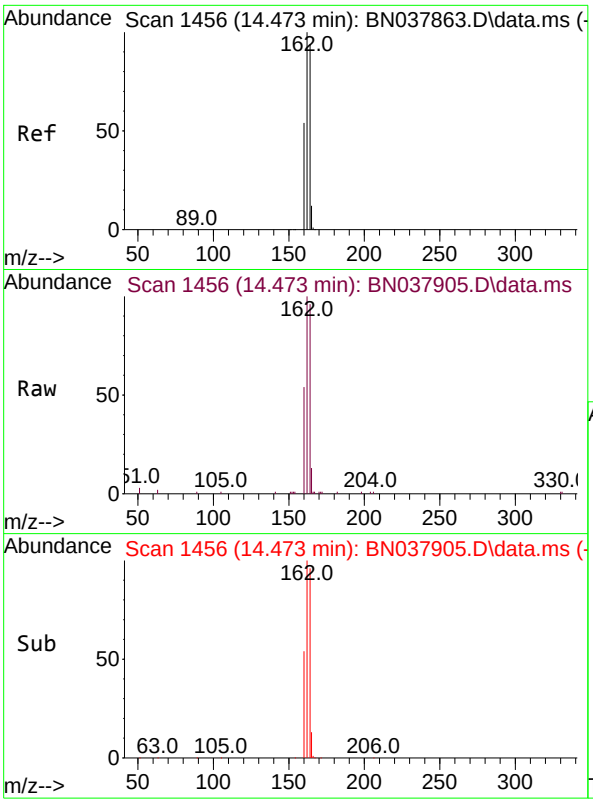


#12
2-Methylnaphthalene
Concen: 0.313 ng
RT: 12.288 min Scan# 1177
Delta R.T. -0.005 min
Lab File: BN037905.D
Acq: 26 Sep 2025 01:40

Tgt Ion:142 Resp: 12807

Ion	Ratio	Lower	Upper
142	100		
141	89.3	71.2	106.8
115	36.0	29.7	44.5



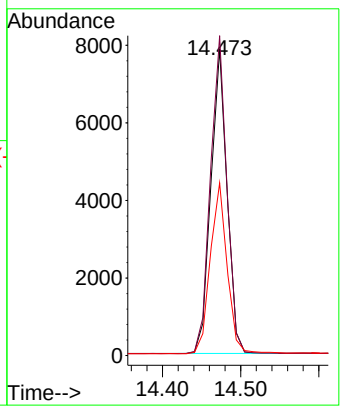


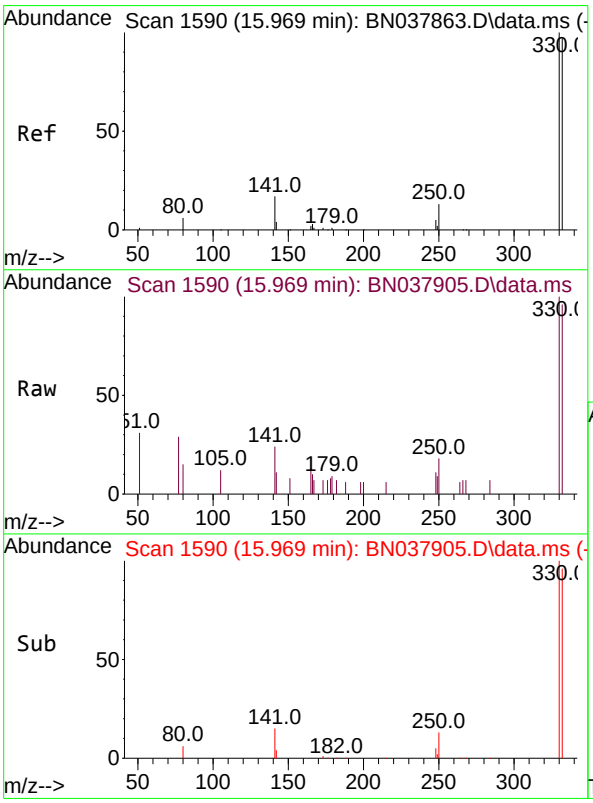
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.473 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN037905.D
Acq: 26 Sep 2025 01:40

Instrument :
BNA_N
ClientSampleId :
PB169794BS

Tgt Ion:164 Resp: 11283

Ion	Ratio	Lower	Upper
164	100		
162	104.4	84.8	127.2
160	56.4	46.1	69.1

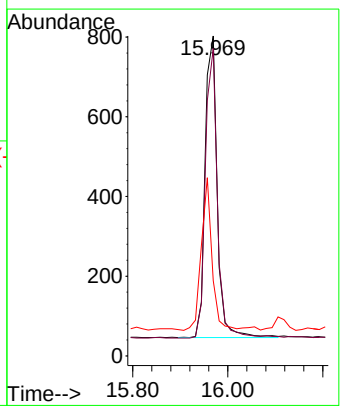


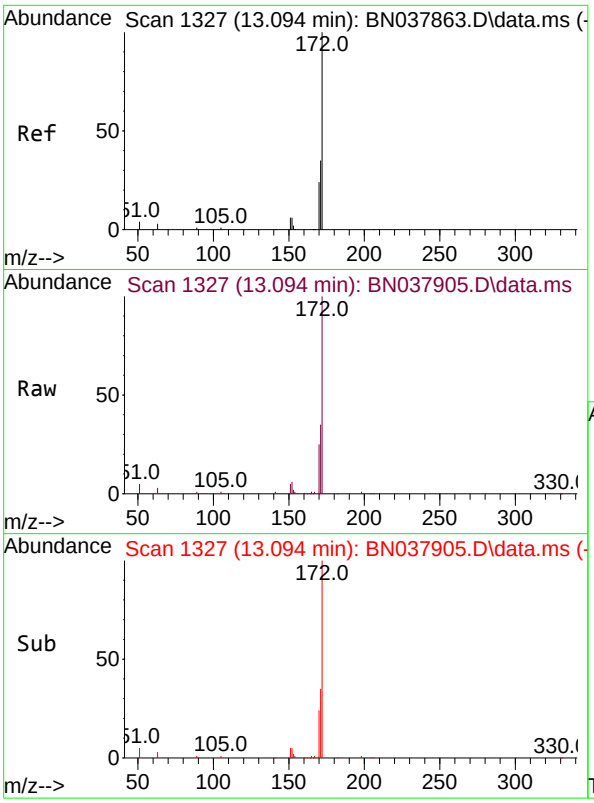


#14
2,4,6-Tribromophenol
Concen: 0.313 ng
RT: 15.969 min Scan# 1590
Delta R.T. 0.000 min
Lab File: BN037905.D
Acq: 26 Sep 2025 01:40

Tgt Ion:330 Resp: 1337

Ion	Ratio	Lower	Upper
330	100		
332	94.5	77.2	115.8
141	44.6	37.2	55.8



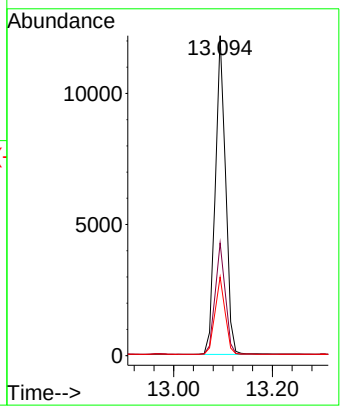


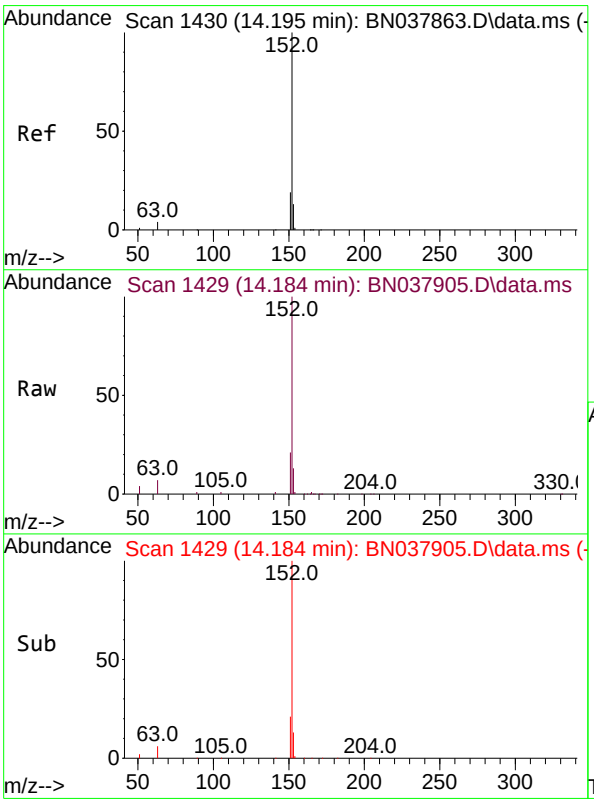
#15
2-Fluorobiphenyl
Concen: 0.381 ng
RT: 13.094 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037905.D
Acq: 26 Sep 2025 01:40

Instrument :
BNA_N
ClientSampleId :
PB169794BS

Tgt Ion:172 Resp: 17613

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.6	43.0
170	24.6	19.7	29.5

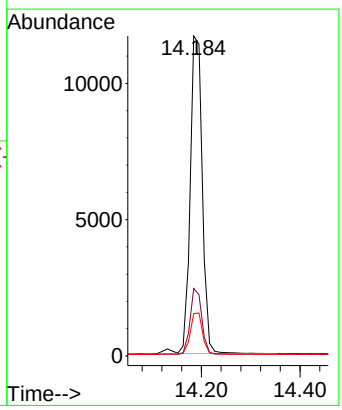


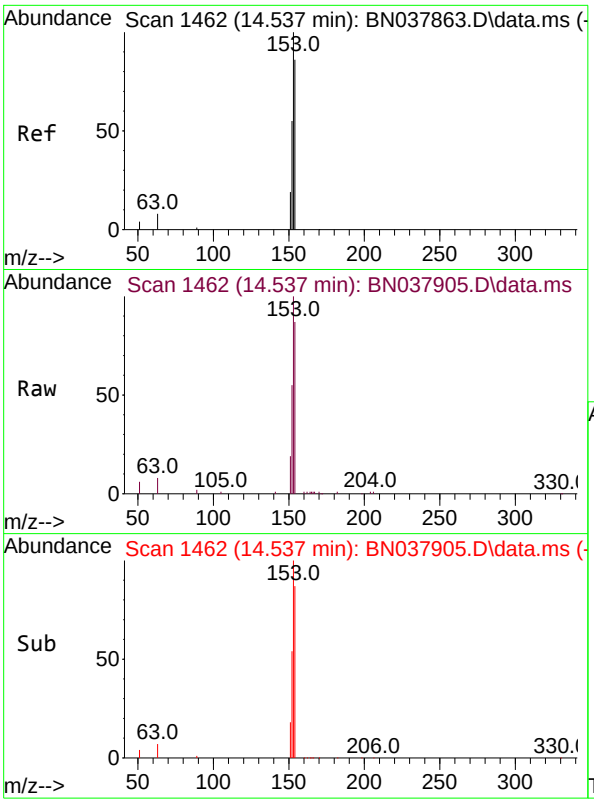


#16
Acenaphthylene
Concen: 0.385 ng
RT: 14.184 min Scan# 1429
Delta R.T. -0.011 min
Lab File: BN037905.D
Acq: 26 Sep 2025 01:40

Tgt Ion:152 Resp: 19728

Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.8	23.8
153	13.6	10.5	15.7



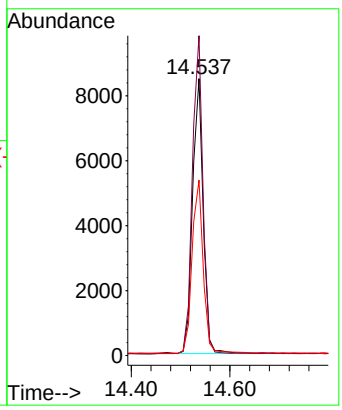


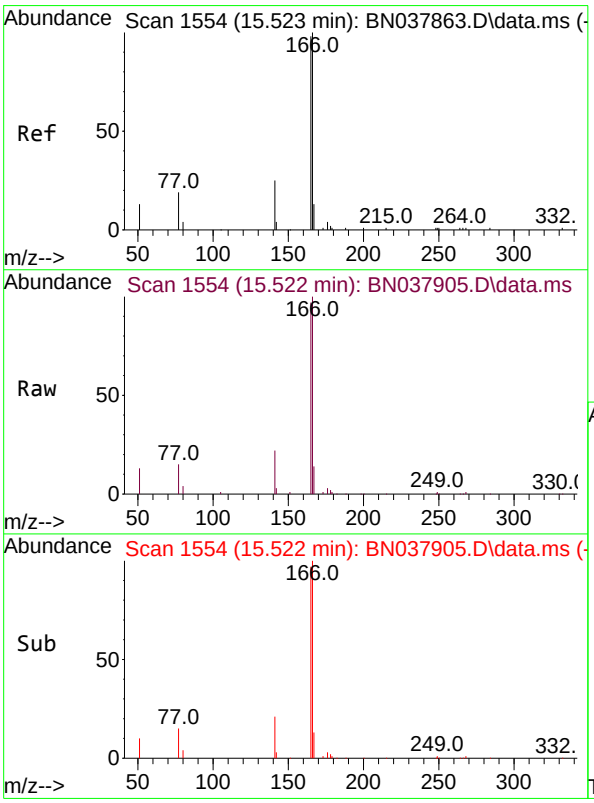
#17
Acenaphthene
Concen: 0.347 ng
RT: 14.537 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN037905.D
Acq: 26 Sep 2025 01:40

Instrument :
BNA_N
ClientSampleId :
PB169794BS

Tgt Ion:154 Resp: 12666

Ion	Ratio	Lower	Upper
154	100		
153	114.5	90.5	135.7
152	65.4	51.8	77.8

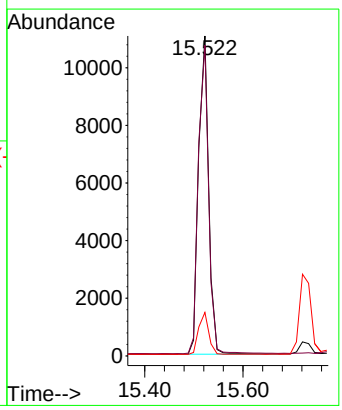


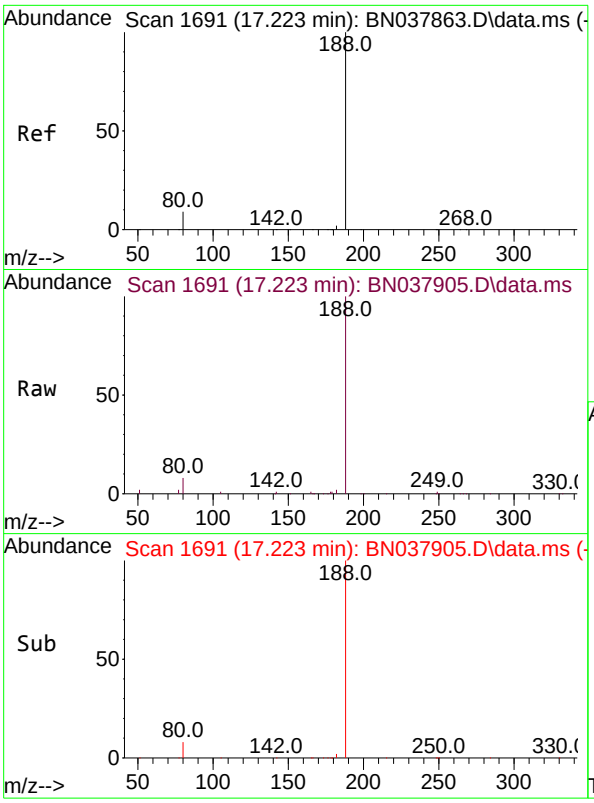


#18
Fluorene
Concen: 0.355 ng
RT: 15.522 min Scan# 1554
Delta R.T. -0.000 min
Lab File: BN037905.D
Acq: 26 Sep 2025 01:40

Tgt Ion:166 Resp: 15662

Ion	Ratio	Lower	Upper
166	100		
165	98.4	79.0	118.4
167	13.5	10.6	16.0



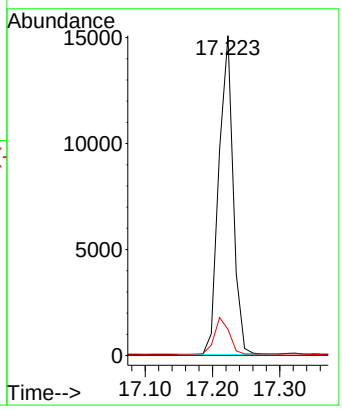


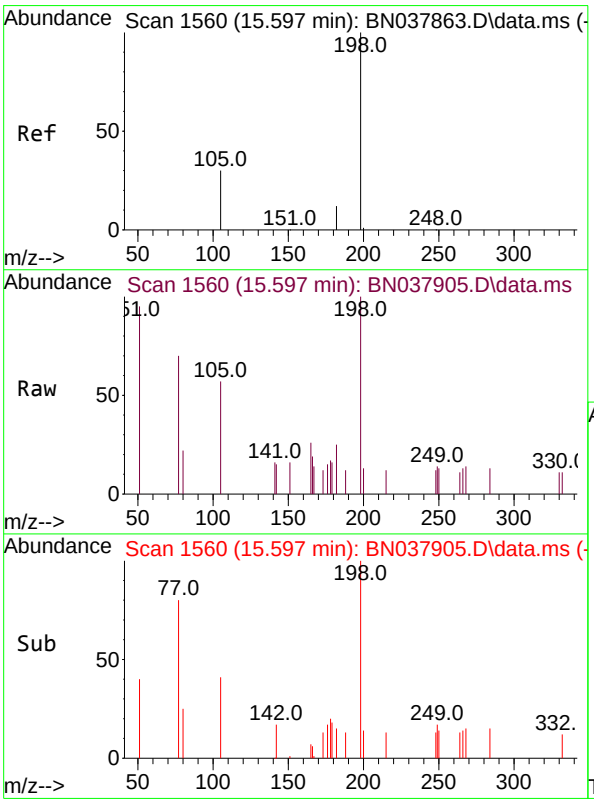
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.223 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037905.D
Acq: 26 Sep 2025 01:40

Instrument :
BNA_N
ClientSampleId :
PB169794BS

Tgt Ion:188 Resp: 22331

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.2	7.6	11.4

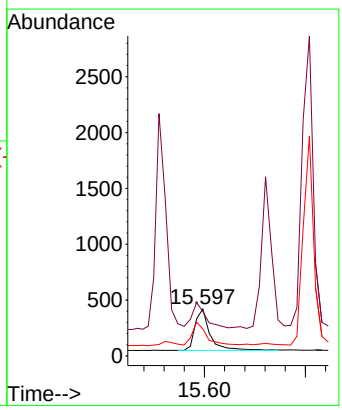


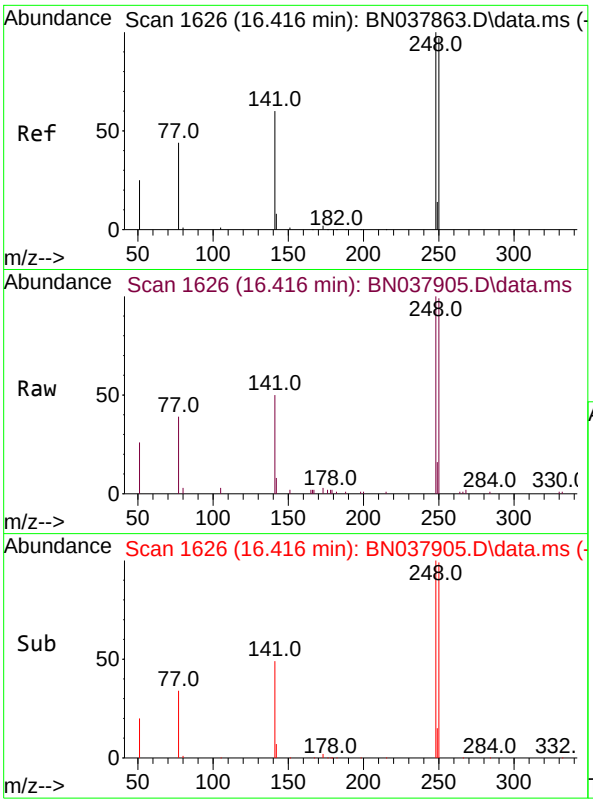


#20
4,6-Dinitro-2-methylphenol
Concen: 0.335 ng
RT: 15.597 min Scan# 1560
Delta R.T. -0.000 min
Lab File: BN037905.D
Acq: 26 Sep 2025 01:40

Tgt Ion:198 Resp: 763

Ion	Ratio	Lower	Upper
198	100		
51	94.5	59.1	88.7#
105	57.5	41.3	61.9



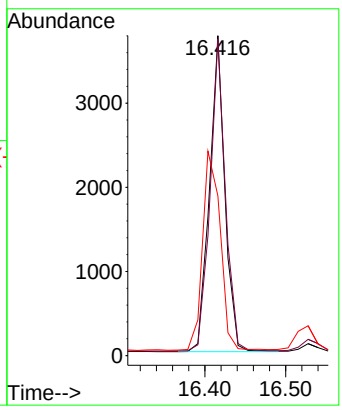


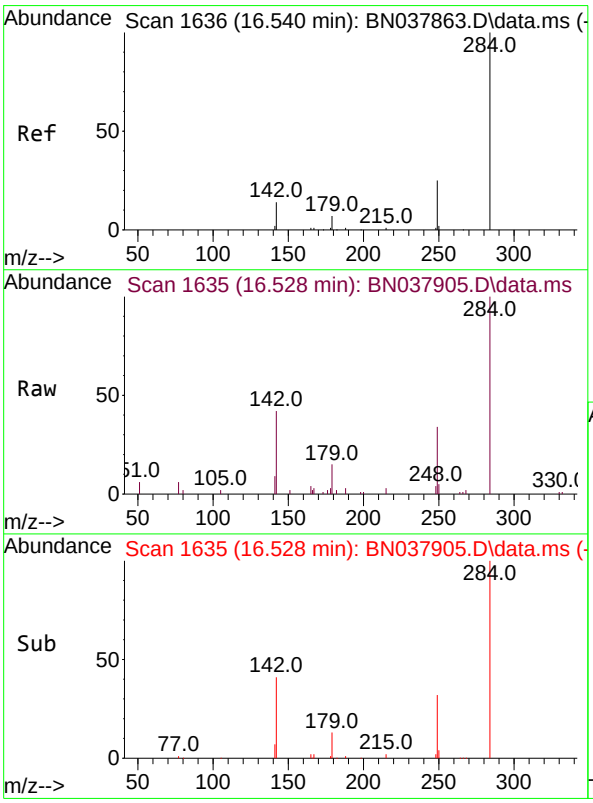
#21
4-Bromophenyl-phenylether
Concen: 0.342 ng
RT: 16.416 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037905.D
Acq: 26 Sep 2025 01:40

Instrument :
BNA_N
ClientSampleId :
PB169794BS

Tgt Ion:248 Resp: 4979

Ion	Ratio	Lower	Upper
248	100		
250	98.9	77.6	116.4
141	49.9	48.8	73.2

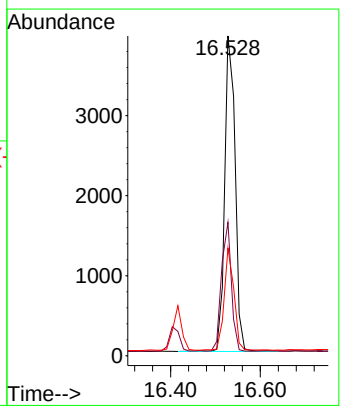


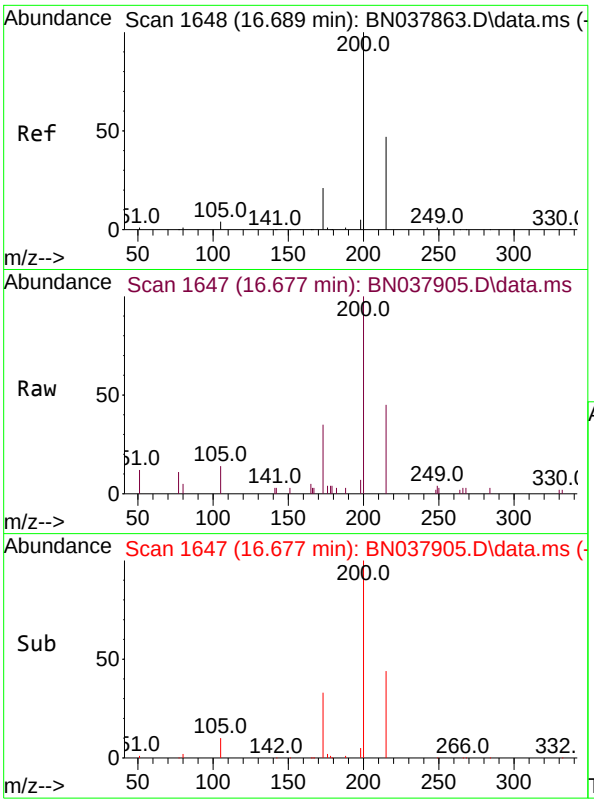


#22
Hexachlorobenzene
Concen: 0.359 ng
RT: 16.528 min Scan# 1635
Delta R.T. -0.012 min
Lab File: BN037905.D
Acq: 26 Sep 2025 01:40

Tgt Ion:284 Resp: 6341

Ion	Ratio	Lower	Upper
284	100		
142	38.7	30.9	46.3
249	30.1	23.9	35.9



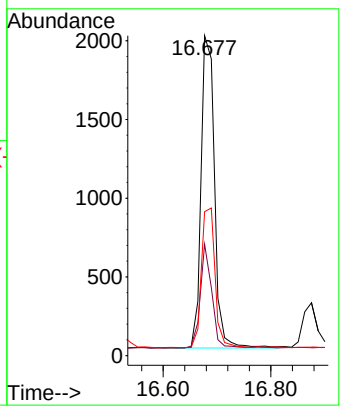


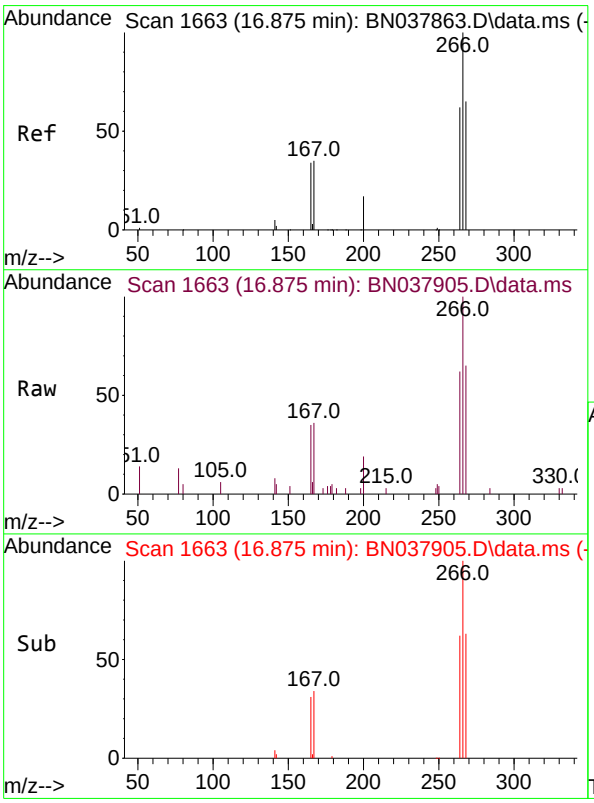
#23
Atrazine
Concen: 0.311 ng
RT: 16.677 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037905.D
Acq: 26 Sep 2025 01:40

Instrument :
BNA_N
ClientSampleId :
PB169794BS

Tgt Ion:200 Resp: 3446

Ion	Ratio	Lower	Upper
200	100		
173	34.8	18.3	27.5#
215	45.0	38.6	58.0

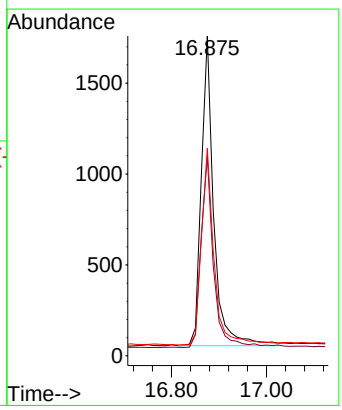


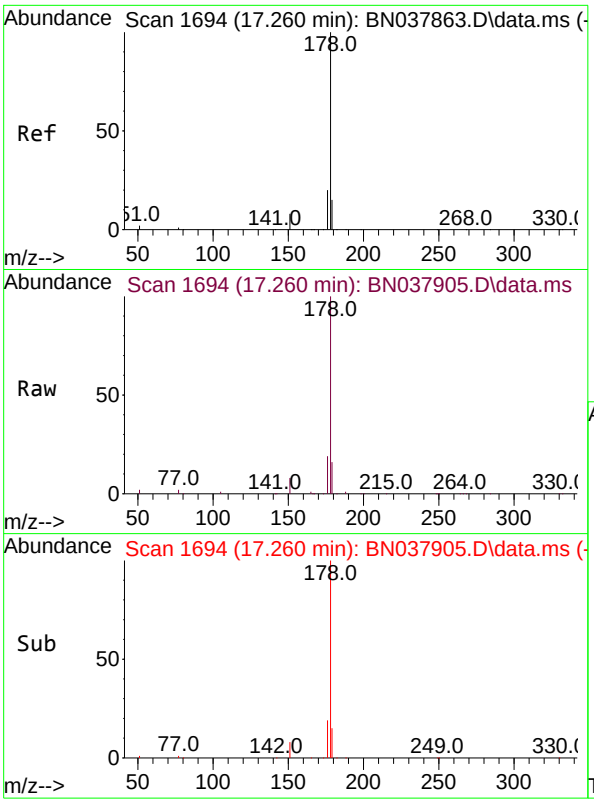


#24
Pentachlorophenol
Concen: 0.509 ng
RT: 16.875 min Scan# 1663
Delta R.T. 0.000 min
Lab File: BN037905.D
Acq: 26 Sep 2025 01:40

Tgt Ion:266 Resp: 3082

Ion	Ratio	Lower	Upper
266	100		
264	61.9	50.9	76.3
268	64.8	54.3	81.5



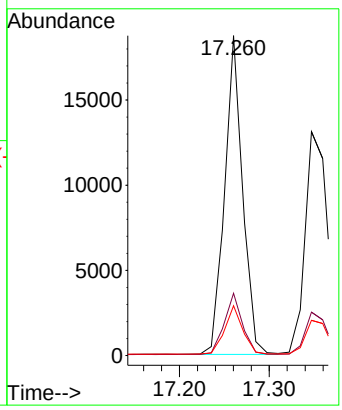


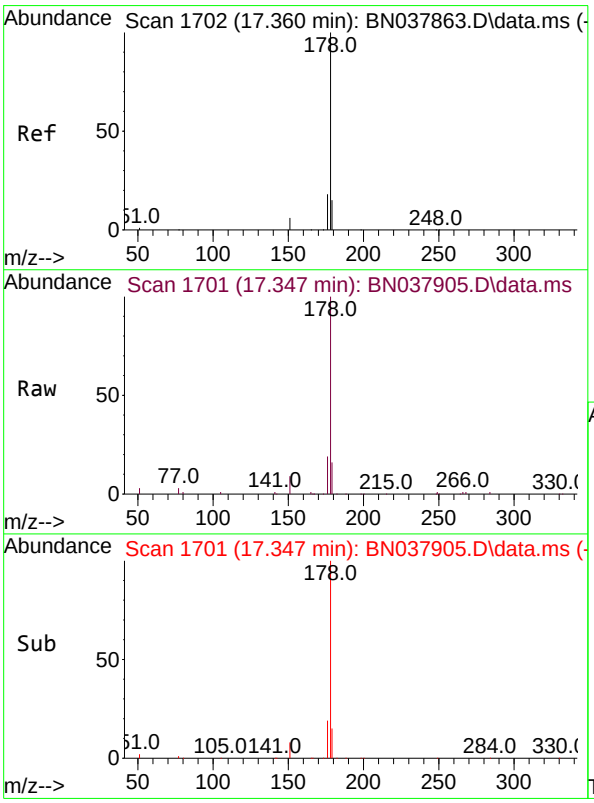
#25
Phenanthrene
Concen: 0.355 ng
RT: 17.260 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037905.D
Acq: 26 Sep 2025 01:40

Instrument :
BNA_N
ClientSampleId :
PB169794BS

Tgt Ion:178 Resp: 26109

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.7	23.5
179	15.5	12.3	18.5

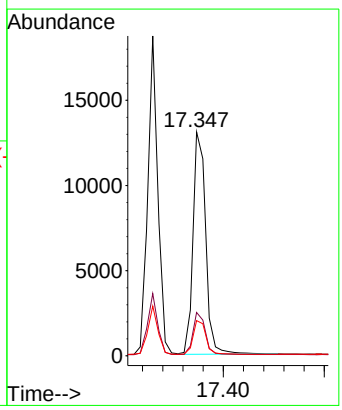


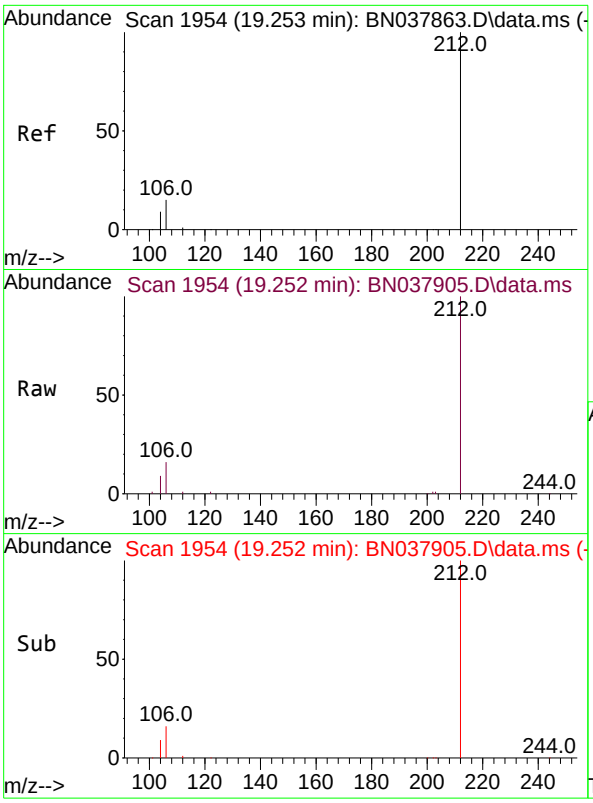


#26
Anthracene
Concen: 0.356 ng
RT: 17.347 min Scan# 1701
Delta R.T. -0.012 min
Lab File: BN037905.D
Acq: 26 Sep 2025 01:40

Tgt Ion:178 Resp: 22710

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.0	22.4
179	15.2	12.3	18.5



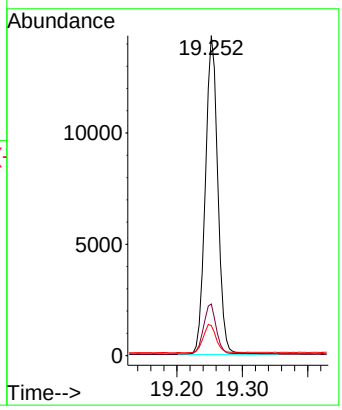


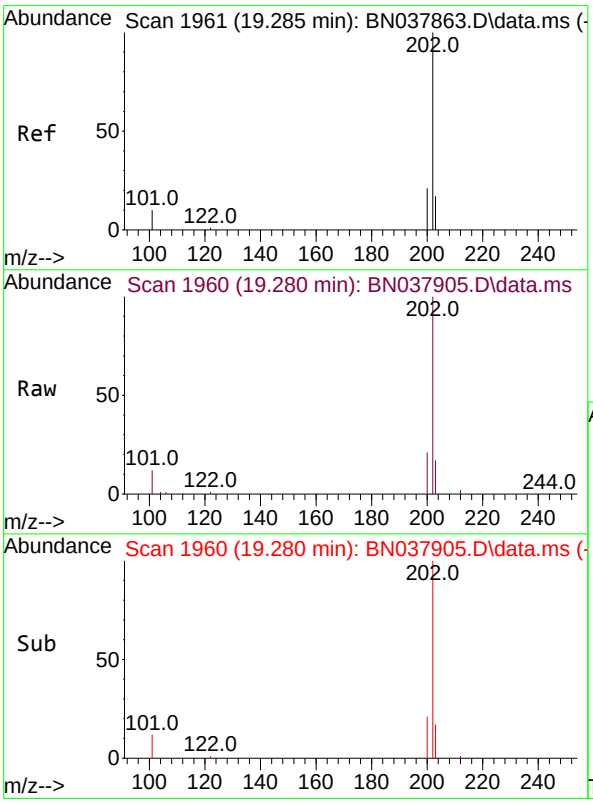
#27
Fluoranthene-d10
Concen: 0.338 ng
RT: 19.252 min Scan# 19
Delta R.T. -0.000 min
Lab File: BN037905.D
Acq: 26 Sep 2025 01:40

Instrument :
BNA_N
ClientSampleId :
PB169794BS

Tgt Ion:212 Resp: 18977

Ion	Ratio	Lower	Upper
212	100		
106	15.9	12.6	19.0
104	9.2	7.4	11.0

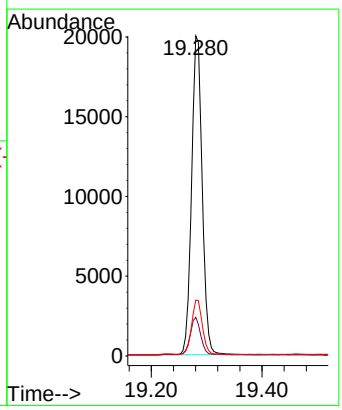


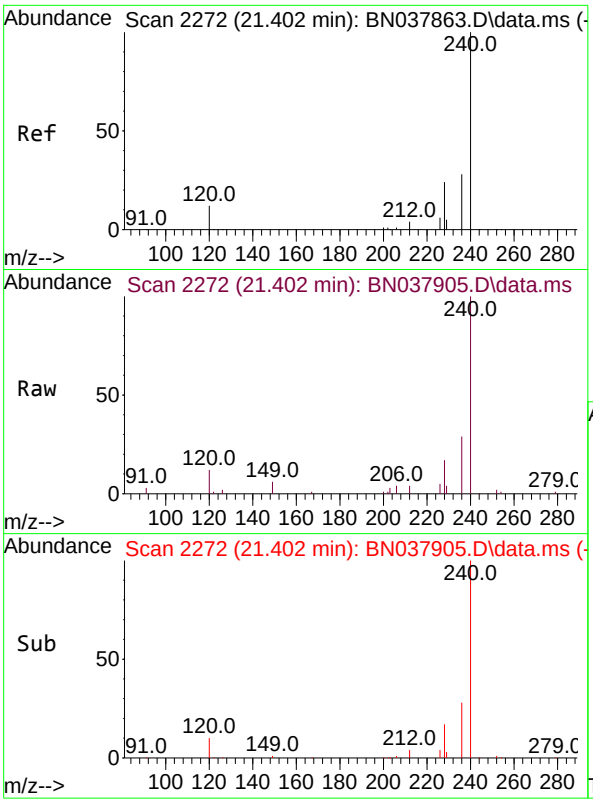


#28
Fluoranthene
Concen: 0.330 ng
RT: 19.280 min Scan# 1960
Delta R.T. -0.005 min
Lab File: BN037905.D
Acq: 26 Sep 2025 01:40

Tgt Ion:202 Resp: 26690

Ion	Ratio	Lower	Upper
202	100		
101	11.4	9.3	13.9
203	17.0	13.6	20.4



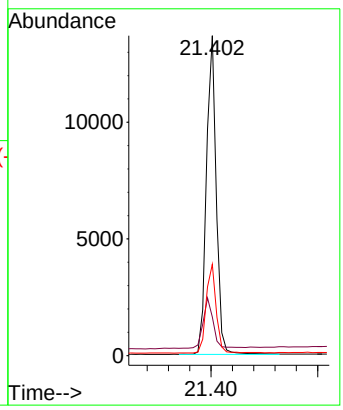


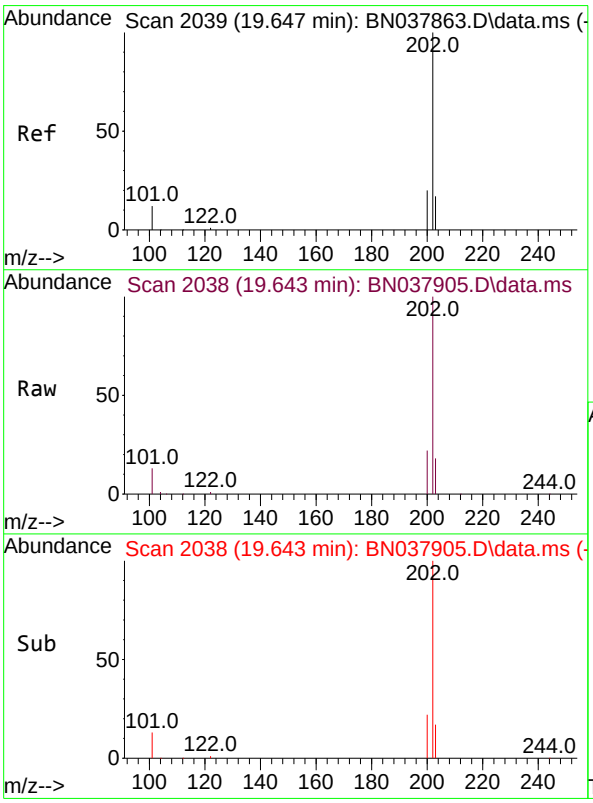
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.402 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037905.D
Acq: 26 Sep 2025 01:40

Instrument :
BNA_N
ClientSampleId :
PB169794BS

Tgt Ion:240 Resp: 17549

Ion	Ratio	Lower	Upper
240	100		
120	12.1	11.4	17.2
236	28.5	23.0	34.6

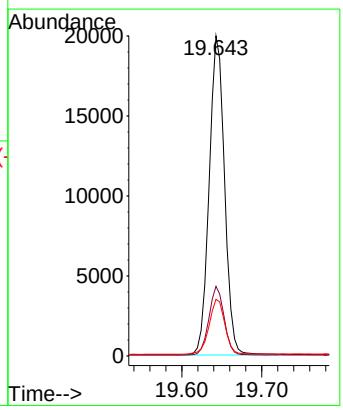


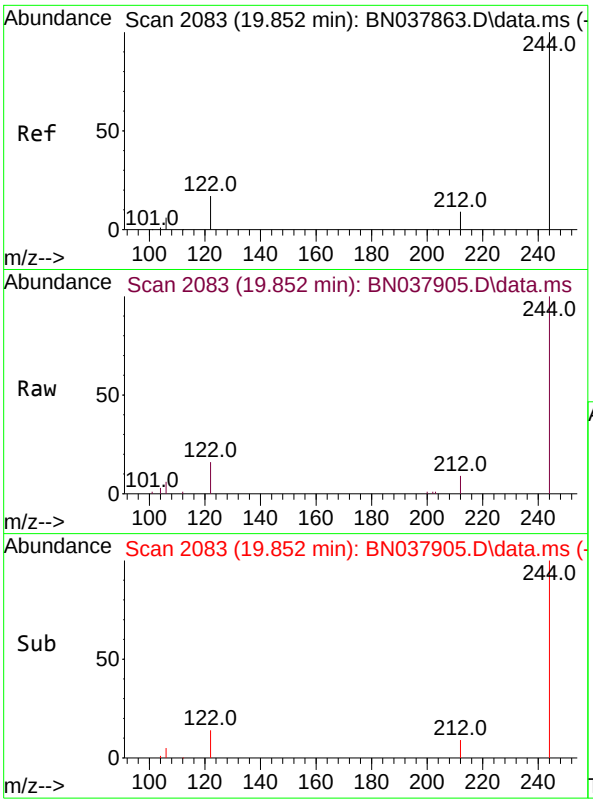


#30
Pyrene
Concen: 0.385 ng
RT: 19.643 min Scan# 2038
Delta R.T. -0.005 min
Lab File: BN037905.D
Acq: 26 Sep 2025 01:40

Tgt Ion:202 Resp: 26662

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.7	25.1
203	17.7	14.2	21.4



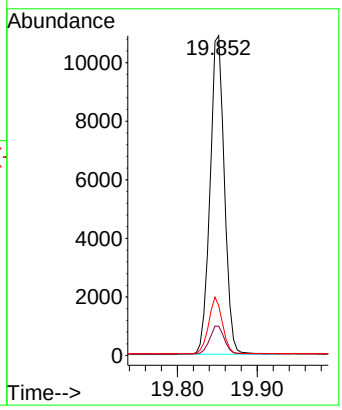


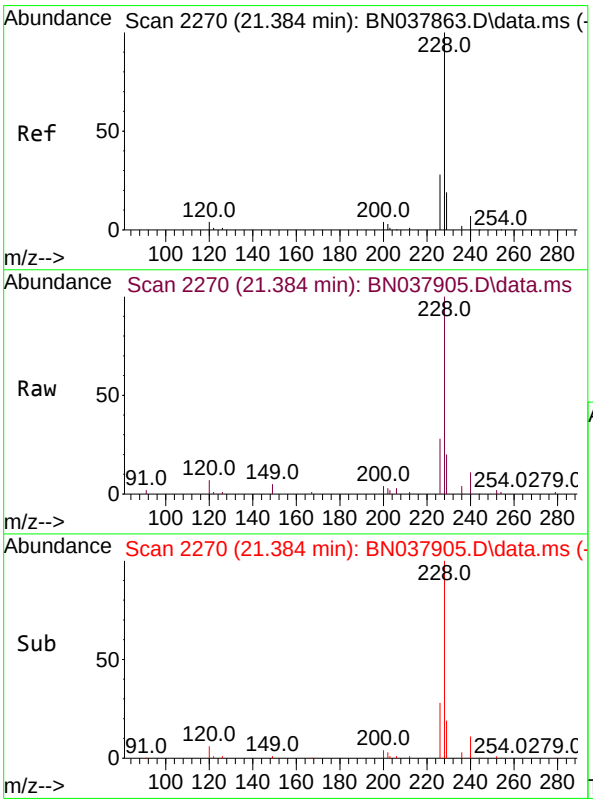
#31
Terphenyl-d14
Concen: 0.388 ng
RT: 19.852 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037905.D
Acq: 26 Sep 2025 01:40

Instrument :
BNA_N
ClientSampleId :
PB169794BS

Tgt Ion:244 Resp: 13553

Ion	Ratio	Lower	Upper
244	100		
212	9.2	7.6	11.4
122	15.6	13.9	20.9

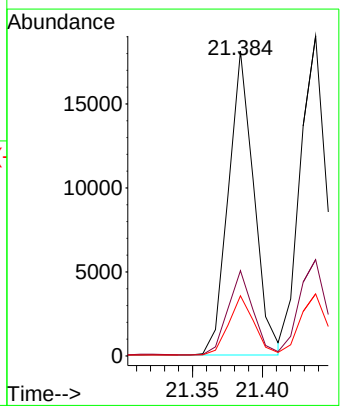


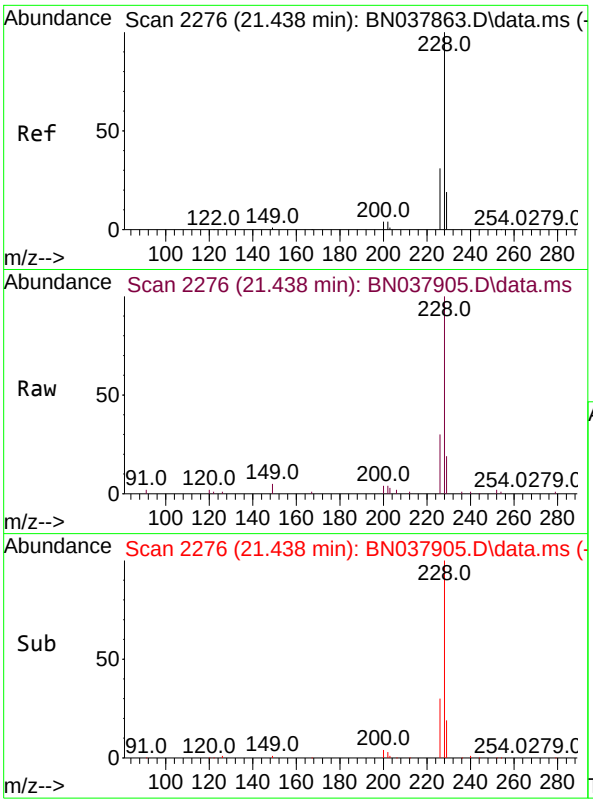


#32
Benzo(a)anthracene
Concen: 0.374 ng
RT: 21.384 min Scan# 2270
Delta R.T. -0.000 min
Lab File: BN037905.D
Acq: 26 Sep 2025 01:40

Tgt Ion:228 Resp: 22930

Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.6	33.8
229	19.7	15.6	23.4



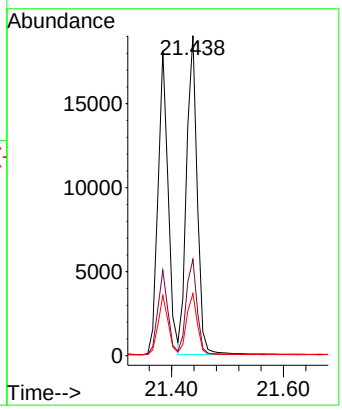


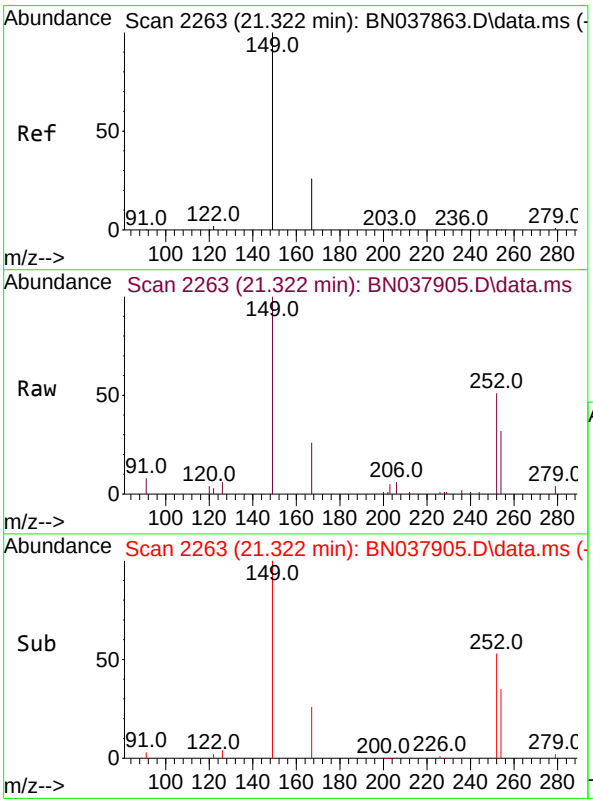
#33
Chrysene
Concen: 0.379 ng
RT: 21.438 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037905.D
Acq: 26 Sep 2025 01:40

Instrument :
BNA_N
ClientSampleId :
PB169794BS

Tgt Ion:228 Resp: 25148

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.6	37.0
229	19.4	15.6	23.4

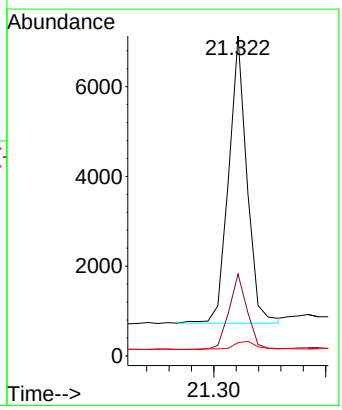


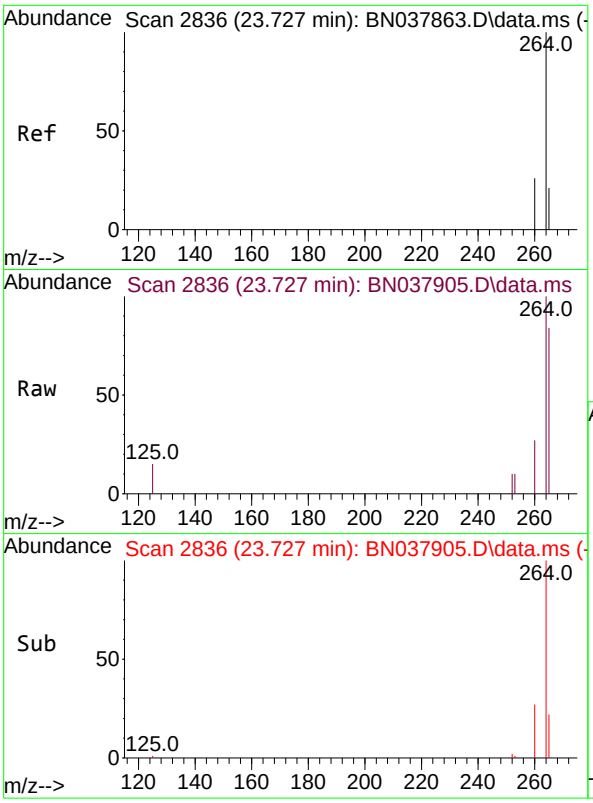


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.300 ng
RT: 21.322 min Scan# 2263
Delta R.T. -0.000 min
Lab File: BN037905.D
Acq: 26 Sep 2025 01:40

Tgt Ion:149 Resp: 7269

Ion	Ratio	Lower	Upper
149	100		
167	26.6	20.4	30.6
279	3.7	2.4	3.6#



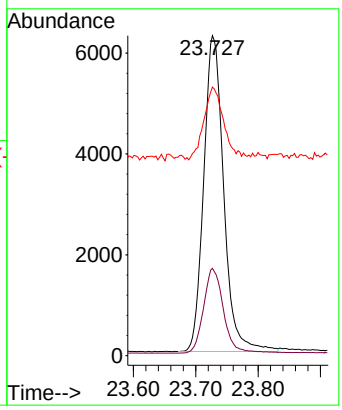


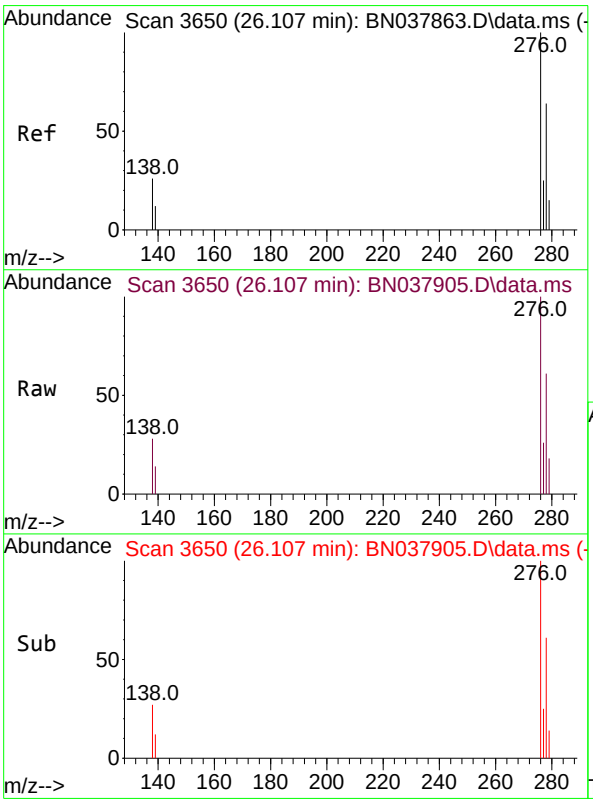
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.727 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037905.D
Acq: 26 Sep 2025 01:40

Instrument :
BNA_N
ClientSampleId :
PB169794BS

Tgt Ion:264 Resp: 13953

Ion	Ratio	Lower	Upper
264	100		
260	27.3	21.5	32.3
265	83.9	53.8	80.6#

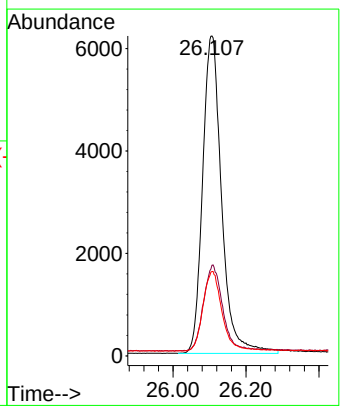


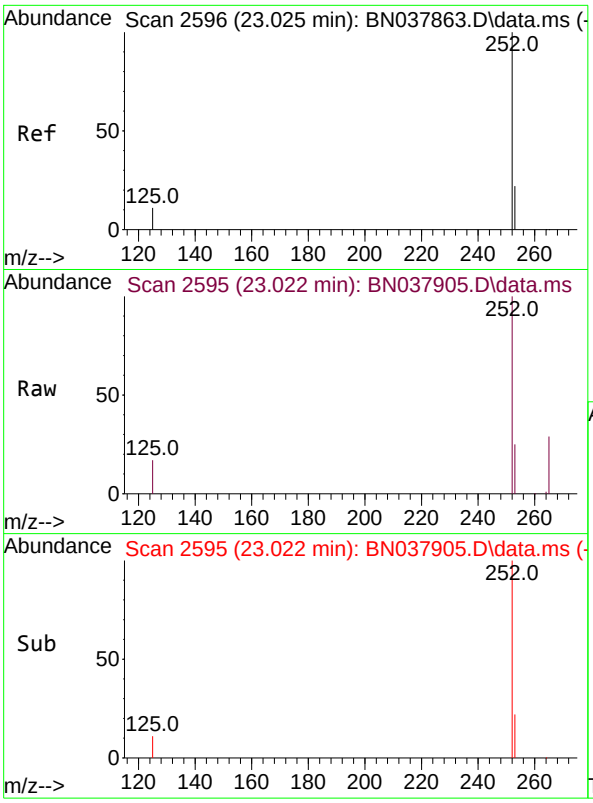


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.351 ng
RT: 26.107 min Scan# 3650
Delta R.T. -0.000 min
Lab File: BN037905.D
Acq: 26 Sep 2025 01:40

Tgt Ion:276 Resp: 22379

Ion	Ratio	Lower	Upper
276	100		
138	26.7	21.4	32.0
277	24.8	20.3	30.5



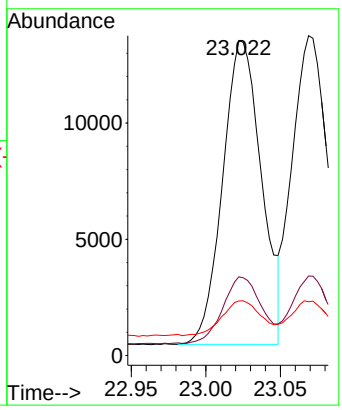


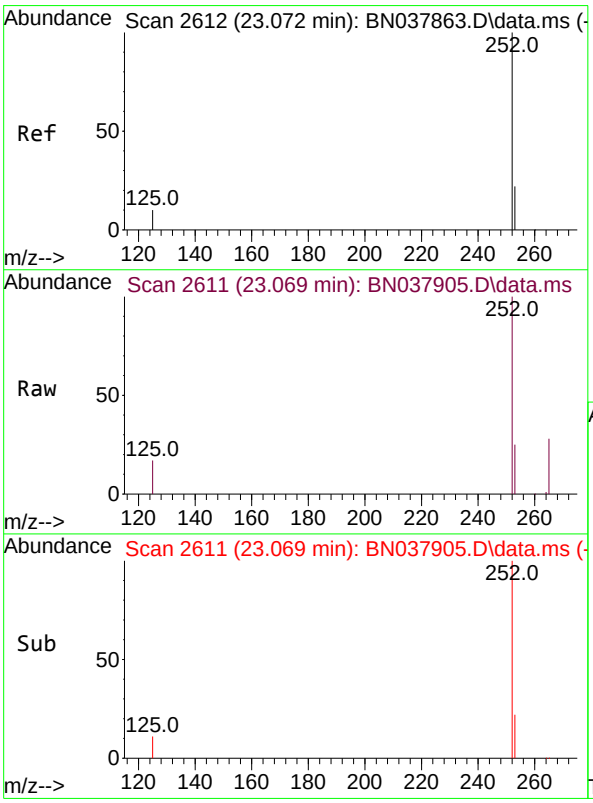
#37
Benzo(b)fluoranthene
Concen: 0.392 ng
RT: 23.022 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN037905.D
Acq: 26 Sep 2025 01:40

Instrument :
BNA_N
ClientSampleId :
PB169794BS

Tgt Ion:252 Resp: 23607

Ion	Ratio	Lower	Upper
252	100		
253	25.0	19.4	29.0
125	17.3	13.0	19.4

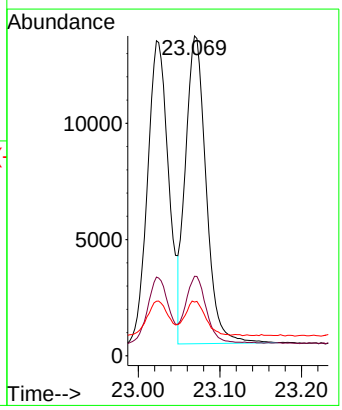


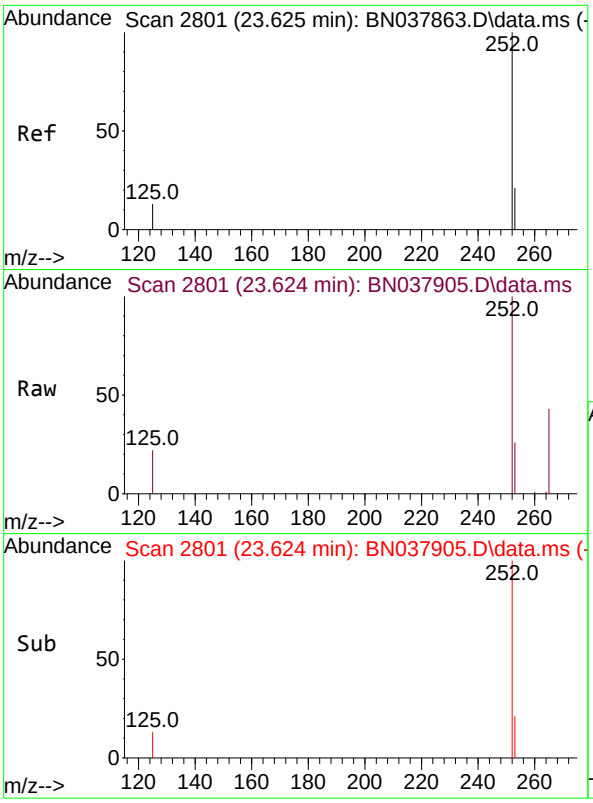


#38
Benzo(k)fluoranthene
Concen: 0.384 ng
RT: 23.069 min Scan# 2611
Delta R.T. -0.003 min
Lab File: BN037905.D
Acq: 26 Sep 2025 01:40

Tgt Ion:252 Resp: 23247

Ion	Ratio	Lower	Upper
252	100		
253	24.9	19.5	29.3
125	16.8	13.0	19.4



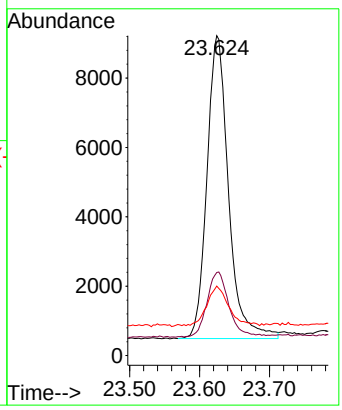


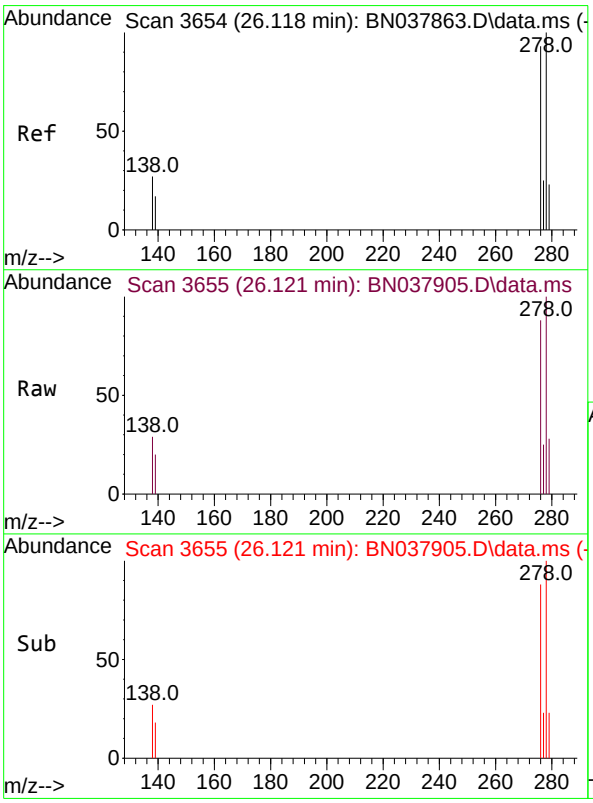
#39
Benzo(a)pyrene
Concen: 0.393 ng
RT: 23.624 min Scan# 28
Delta R.T. -0.000 min
Lab File: BN037905.D
Acq: 26 Sep 2025 01:40

Instrument :
BNA_N
ClientSampleId :
PB169794BS

Tgt Ion:252 Resp: 18683

Ion	Ratio	Lower	Upper
252	100		
253	26.0	20.6	30.8
125	21.7	16.7	25.1

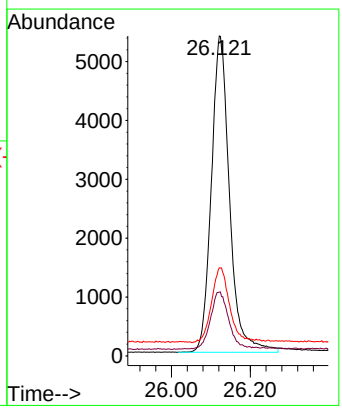


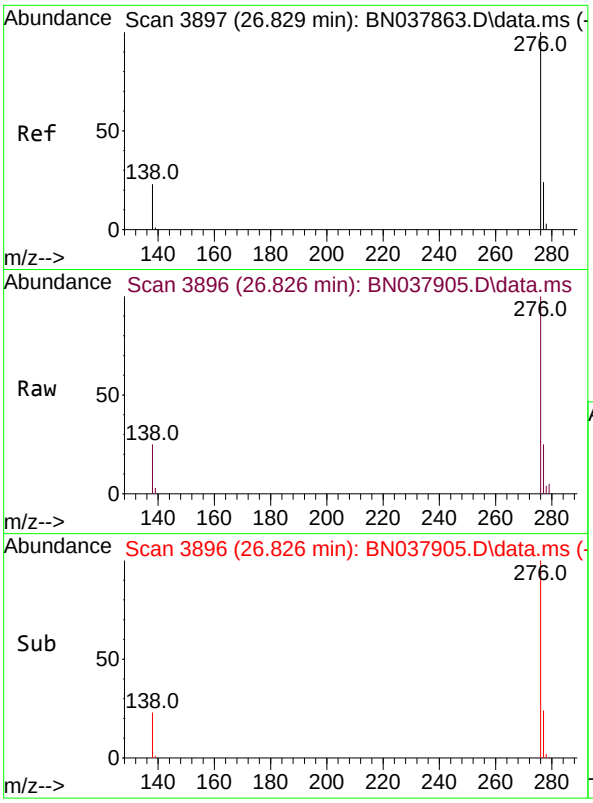


#40
Dibenzo(a,h)anthracene
Concen: 0.347 ng
RT: 26.121 min Scan# 3655
Delta R.T. 0.003 min
Lab File: BN037905.D
Acq: 26 Sep 2025 01:40

Tgt Ion:278 Resp: 17277

Ion	Ratio	Lower	Upper
278	100		
139	19.9	15.4	23.2
279	27.5	20.8	31.2



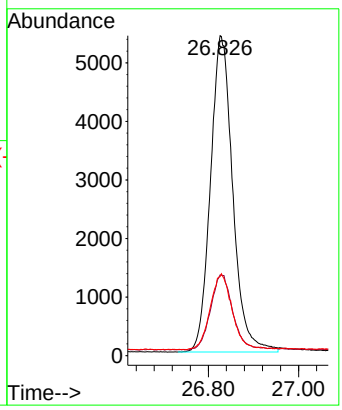


#41
Benzo(g,h,i)perylene
Concen: 0.354 ng
RT: 26.826 min Scan# 3
Delta R.T. -0.003 min
Lab File: BN037905.D
Acq: 26 Sep 2025 01:40

Instrument :
BNA_N
ClientSampleId :
PB169794BS

Tgt Ion:276 Resp: 18529

Ion	Ratio	Lower	Upper
276	100		
277	25.2	20.2	30.4
138	24.7	19.8	29.8



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:	PB169794BSD	SDG No.:	Q3156
Lab Sample ID:	PB169794BSD	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
BN037906.D	1	09/23/25 09:15	09/26/25 02:16	PB169794

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.34		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.38		30 - 150		95%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.35		30 - 150		88%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.40		55 - 111		101%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.42		53 - 106		105%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.46		58 - 132		114%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7870	7.818				
1146-65-2	Naphthalene-d8	22000	10.626				
15067-26-2	Acenaphthene-d10	10700	14.473				
1517-22-2	Phenanthrene-d10	20300	17.223				
1719-03-5	Chrysene-d12	13500	21.402				
1520-96-3	Perylene-d12	9650	23.727				

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\BN092525\
Data File : BN037906.D
Acq On : 26 Sep 2025 02:16
Operator : RC/JU
Sample : PB169794BSD
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB169794BSD

Quant Time: Sep 26 07:38:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration

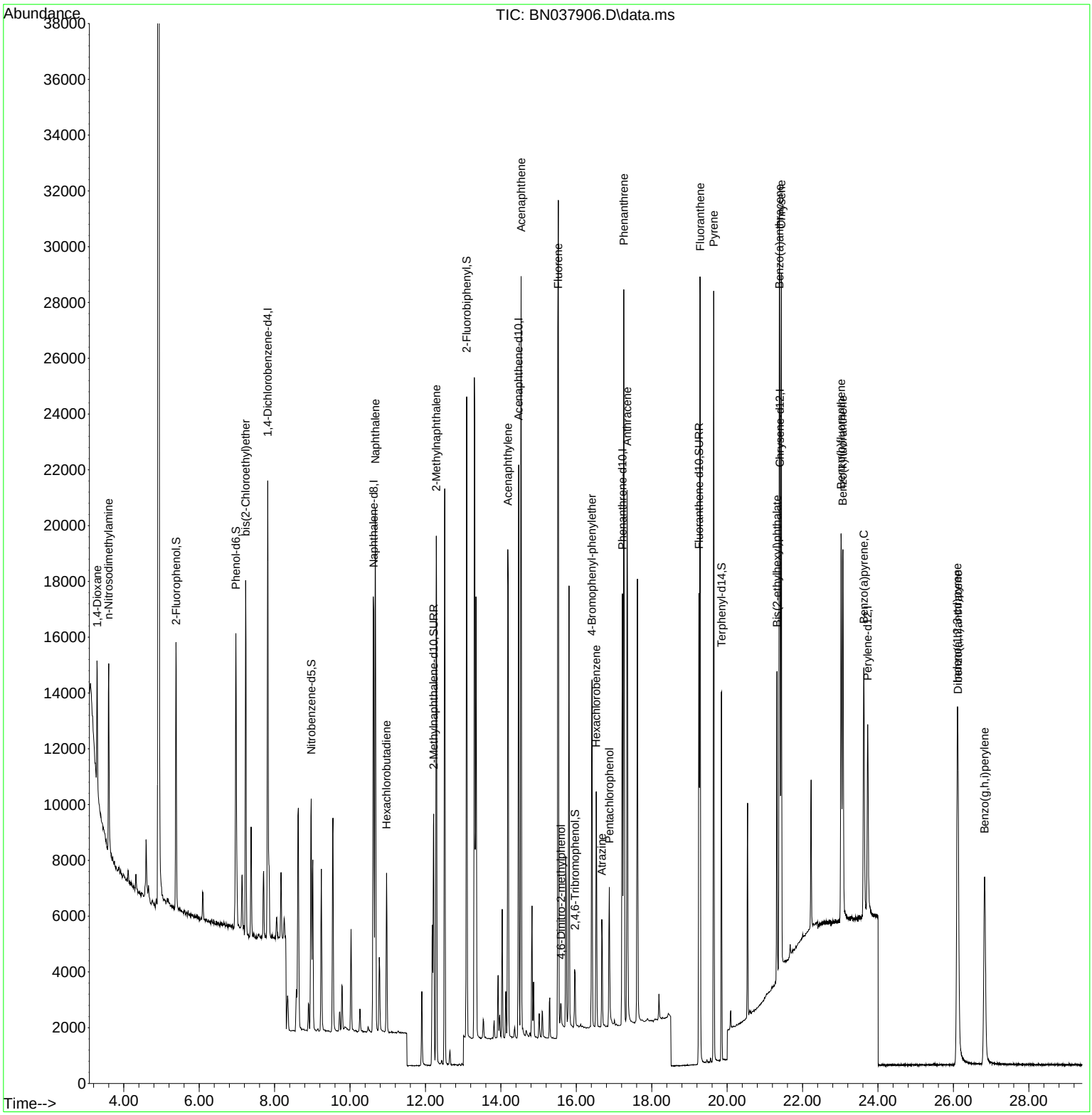
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.818	152	7872	0.400	ng	0.00
7) Naphthalene-d8	10.626	136	21986	0.400	ng	0.00
13) Acenaphthene-d10	14.473	164	10679	0.400	ng	0.00
19) Phenanthrene-d10	17.223	188	20250	0.400	ng	0.00
29) Chrysene-d12	21.402	240	13542	0.400	ng	0.00
35) Perylene-d12	23.727	264	9649	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.392	112	7605	0.423	ng	0.00
5) Phenol-d6	6.973	99	9553	0.405	ng	0.00
8) Nitrobenzene-d5	8.971	82	6755	0.403	ng	0.00
11) 2-Methylnaphthalene-d10	12.217	152	11675	0.382	ng	0.00
14) 2,4,6-Tribromophenol	15.969	330	1320	0.326	ng	0.00
15) 2-Fluorobiphenyl	13.094	172	18411	0.421	ng	0.00
27) Fluoranthene-d10	19.253	212	18053	0.354	ng	0.00
31) Terphenyl-d14	19.852	244	12331	0.457	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.297	88	2676	0.335	ng	# 80
3) n-Nitrosodimethylamine	3.601	42	4032	0.379	ng	# 92
6) bis(2-Chloroethyl)ether	7.233	93	8750	0.399	ng	99
9) Naphthalene	10.669	128	23947	0.395	ng	99
10) Hexachlorobutadiene	10.968	225	4408	0.427	ng	# 99
12) 2-Methylnaphthalene	12.288	142	13521	0.342	ng	99
16) Acenaphthylene	14.184	152	20552	0.424	ng	99
17) Acenaphthene	14.537	154	13201	0.382	ng	99
18) Fluorene	15.523	166	16089	0.385	ng	99
20) 4,6-Dinitro-2-methylph...	15.597	198	728	0.349	ng	86
21) 4-Bromophenyl-phenylether	16.416	248	5079	0.385	ng	94
22) Hexachlorobenzene	16.528	284	6552	0.410	ng	99
23) Atrazine	16.677	200	3327	0.331	ng	# 89
24) Pentachlorophenol	16.875	266	2777	0.506	ng	97
25) Phenanthrene	17.260	178	25976	0.390	ng	99
26) Anthracene	17.347	178	22538	0.390	ng	100
28) Fluoranthene	19.285	202	25037	0.341	ng	99
30) Pyrene	19.643	202	24796	0.464	ng	99
32) Benzo(a)anthracene	21.384	228	19488	0.412	ng	99
33) Chrysene	21.438	228	21211	0.414	ng	99
34) Bis(2-ethylhexyl)phtha...	21.322	149	5470	0.292	ng	98
36) Indeno(1,2,3-cd)pyrene	26.104	276	17847	0.405	ng	99
37) Benzo(b)fluoranthene	23.022	252	18110	0.435	ng	96
38) Benzo(k)fluoranthene	23.069	252	18173	0.434	ng	96
39) Benzo(a)pyrene	23.625	252	14612	0.444	ng	95
40) Dibenzo(a,h)anthracene	26.121	278	13787	0.400	ng	96
41) Benzo(g,h,i)perylene	26.826	276	15417	0.426	ng	99

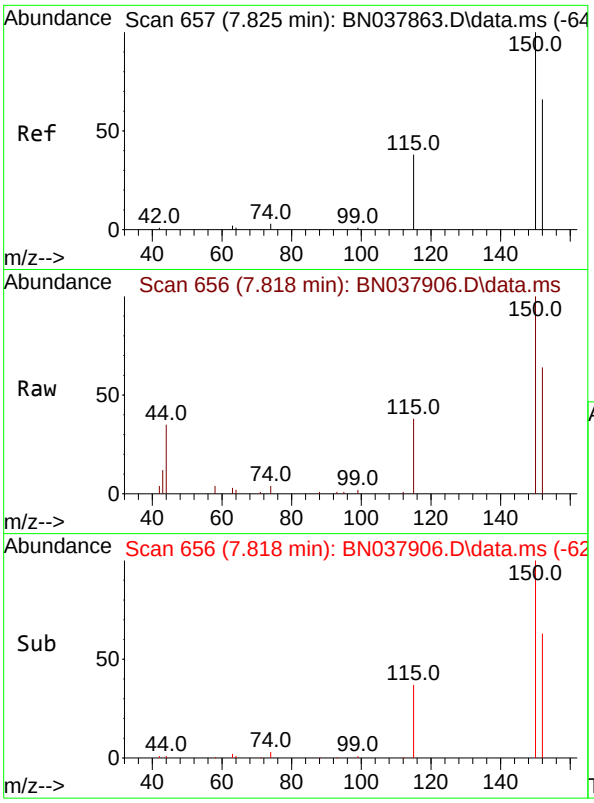
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092525\
Data File : BN037906.D
Acq On : 26 Sep 2025 02:16
Operator : RC/JU
Sample : PB169794BSD
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB169794BSD

Quant Time: Sep 26 07:38:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration



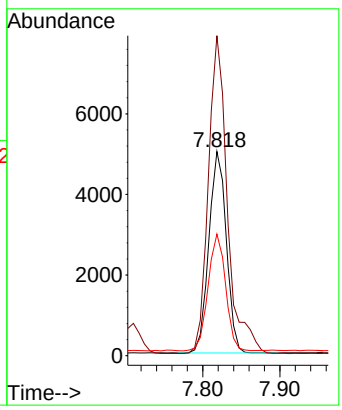


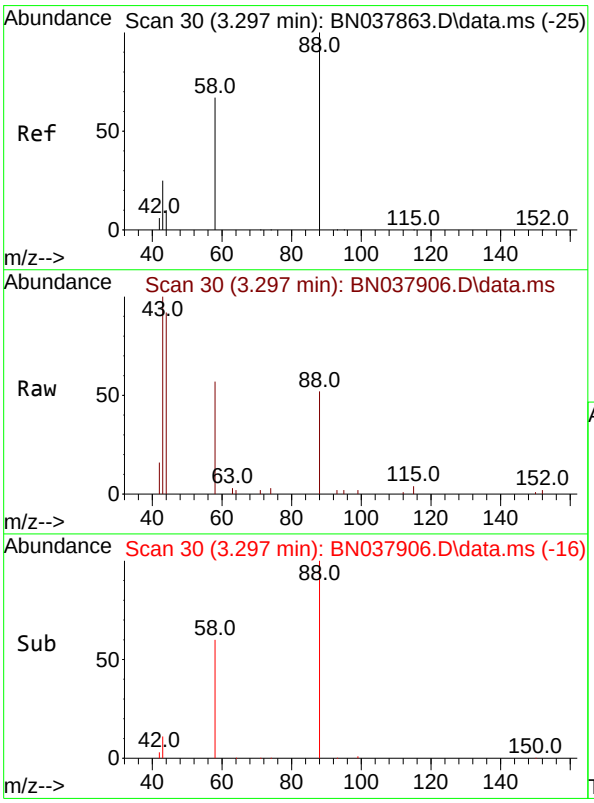
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.818 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Instrument :
BNA_N
ClientSampleId :
PB169794BSD

Tgt Ion:152 Resp: 7872

Ion	Ratio	Lower	Upper
152	100		
150	156.7	121.0	181.4
115	59.6	47.4	71.0

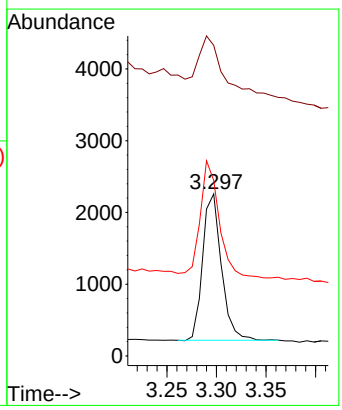


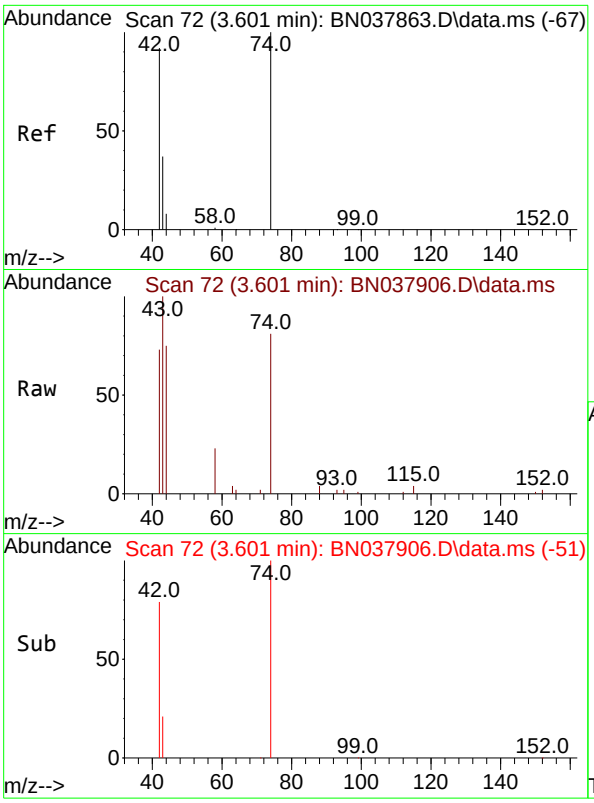


#2
1,4-Dioxane
Concen: 0.335 ng
RT: 3.297 min Scan# 30
Delta R.T. 0.000 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Tgt Ion: 88 Resp: 2676

Ion	Ratio	Lower	Upper
88	100		
43	58.0	26.6	39.8#
58	81.6	58.9	88.3



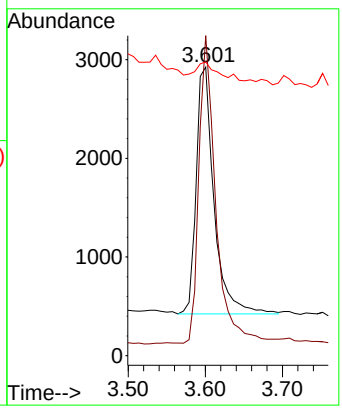


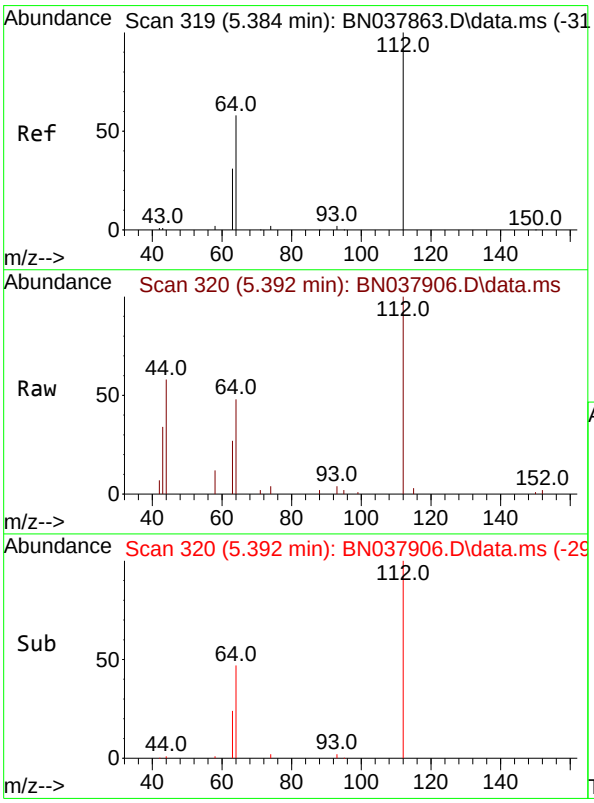
#3
n-Nitrosodimethylamine
Concen: 0.379 ng
RT: 3.601 min Scan# 7
Delta R.T. 0.000 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Instrument :
BNA_N
ClientSampleId :
PB169794BSD

Tgt Ion: 42 Resp: 4032

Ion	Ratio	Lower	Upper
42	100		
74	117.5	93.4	140.0
44	8.8	22.2	33.4#

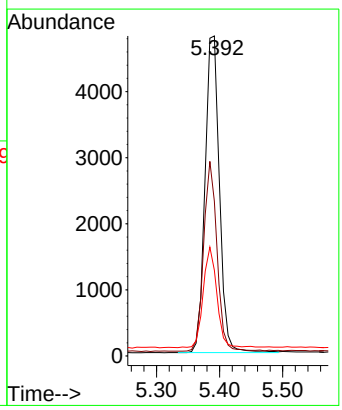


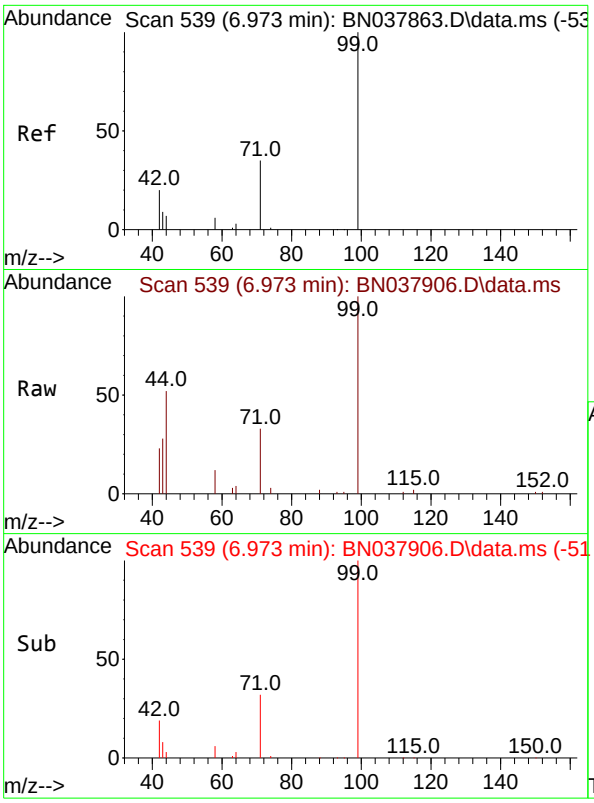


#4
2-Fluorophenol
Concen: 0.423 ng
RT: 5.392 min Scan# 320
Delta R.T. 0.007 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Tgt Ion:112 Resp: 7605

Ion	Ratio	Lower	Upper
112	100		
64	55.7	44.6	66.8
63	30.2	24.9	37.3



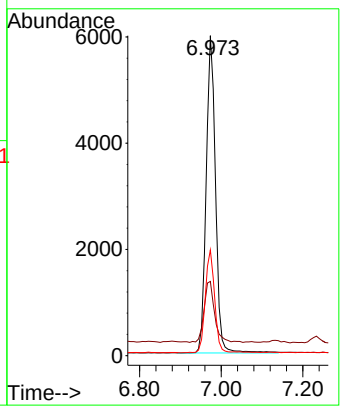


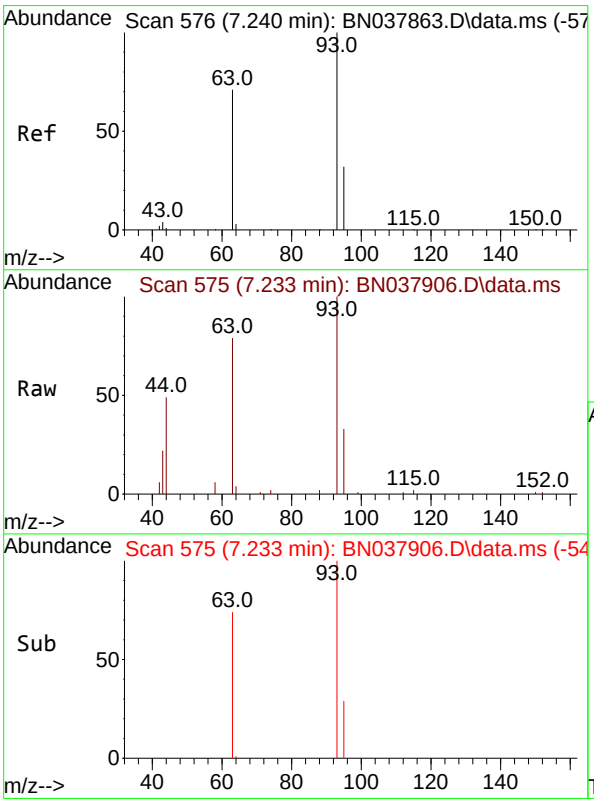
#5
Phenol-d6
Concen: 0.405 ng
RT: 6.973 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Instrument :
BNA_N
ClientSampleId :
PB169794BSD

Tgt Ion: 99 Resp: 9553

Ion	Ratio	Lower	Upper
99	100		
42	21.6	17.2	25.8
71	32.6	27.3	40.9

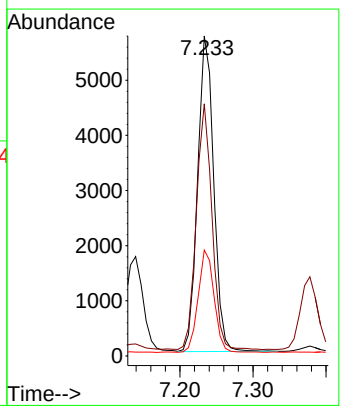


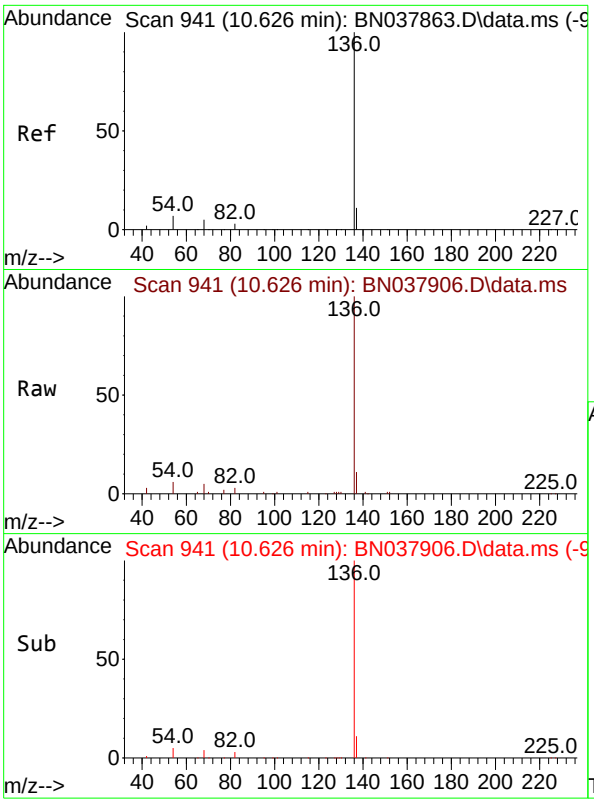


#6
bis(2-Chloroethyl)ether
Concen: 0.399 ng
RT: 7.233 min Scan# 575
Delta R.T. -0.007 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Tgt Ion: 93 Resp: 8750

Ion	Ratio	Lower	Upper
93	100		
63	75.5	60.1	90.1
95	32.2	25.4	38.2



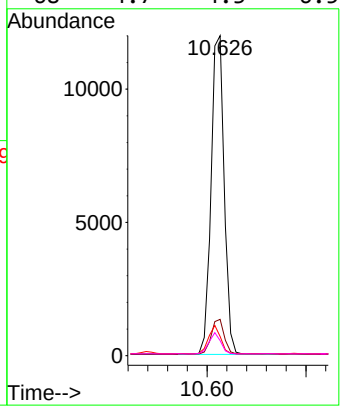


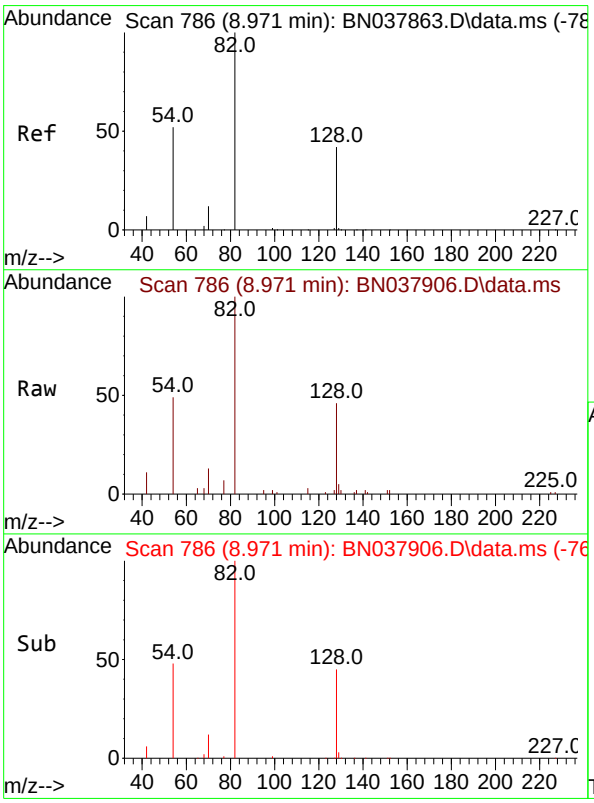
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.626 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Instrument :
BNA_N
ClientSampleId :
PB169794BSD

Tgt Ion:136 Resp: 21986

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.0	13.4
54	6.0	5.8	8.8
68	4.7	4.3	6.5

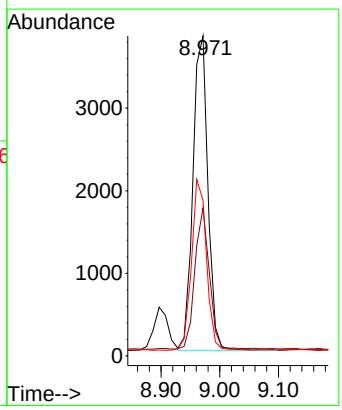


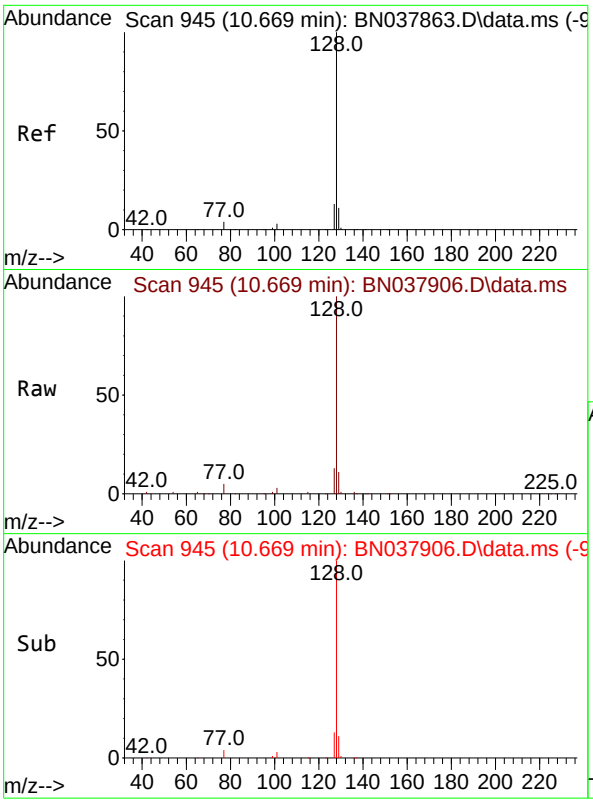


#8
Nitrobenzene-d5
Concen: 0.403 ng
RT: 8.971 min Scan# 786
Delta R.T. 0.000 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Tgt Ion: 82 Resp: 6755

Ion	Ratio	Lower	Upper
82	100		
128	46.2	34.8	52.2
54	48.7	42.2	63.2



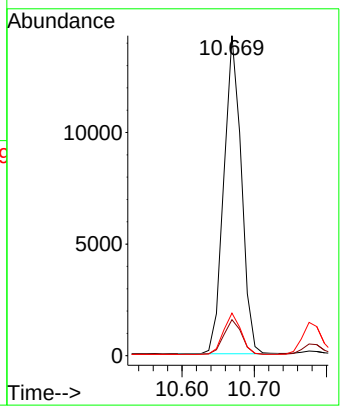


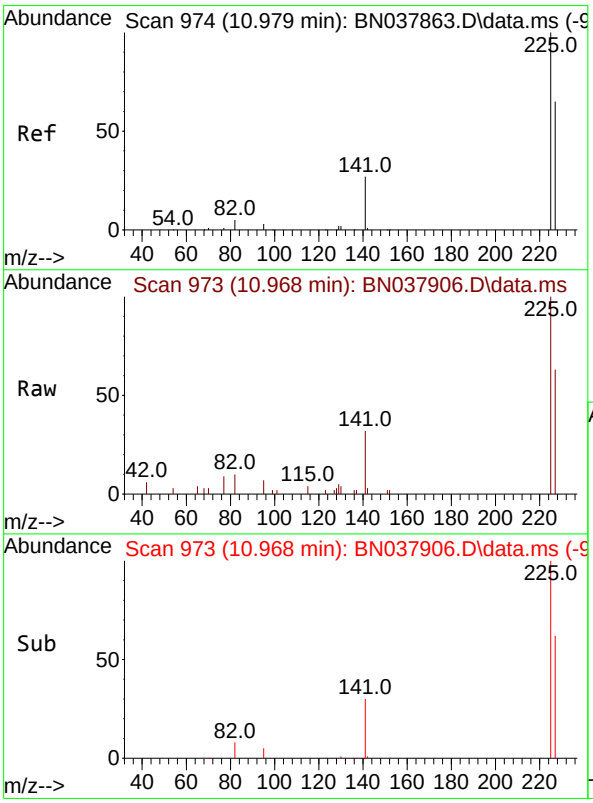
#9
Naphthalene
Concen: 0.395 ng
RT: 10.669 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Instrument :
BNA_N
ClientSampleId :
PB169794BSD

Tgt Ion:128 Resp: 23947

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.2	13.8
127	13.3	11.0	16.6

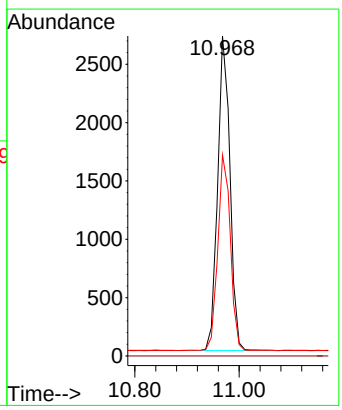


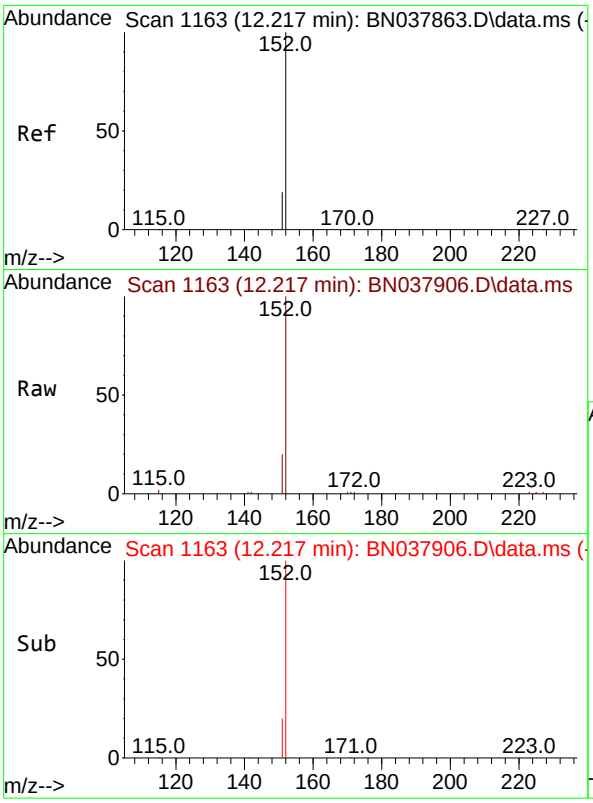


#10
Hexachlorobutadiene
Concen: 0.427 ng
RT: 10.968 min Scan# 973
Delta R.T. -0.011 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Tgt Ion:225 Resp: 4408

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.7	51.4	77.2



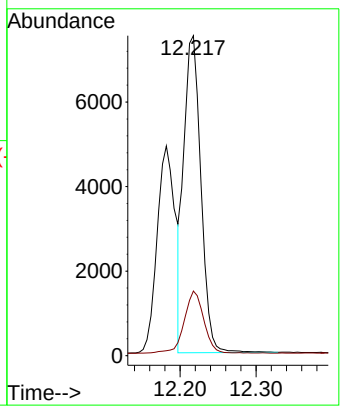


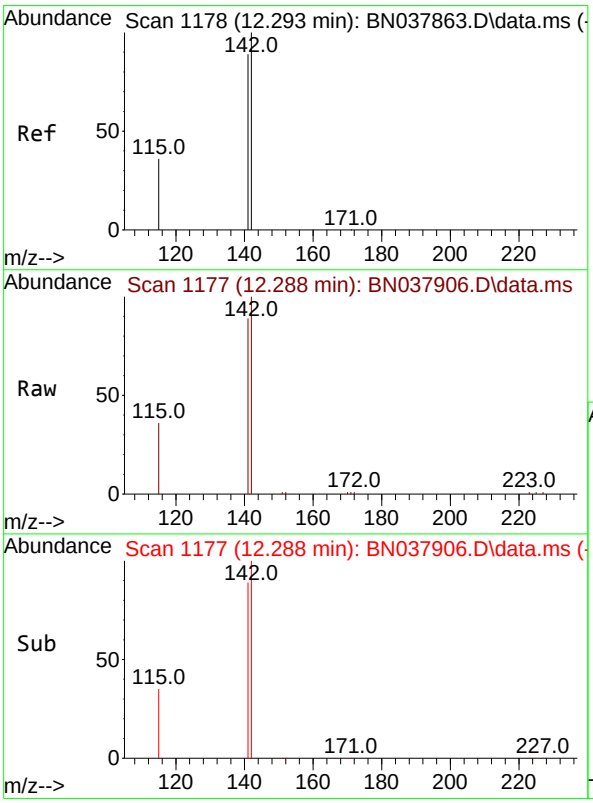
#11
2-Methylnaphthalene-d10
Concen: 0.382 ng
RT: 12.217 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Instrument :
BNA_N
ClientSampleId :
PB169794BSD

Tgt Ion:152 Resp: 11675

Ion	Ratio	Lower	Upper
152	100		
151	22.5	17.4	26.2

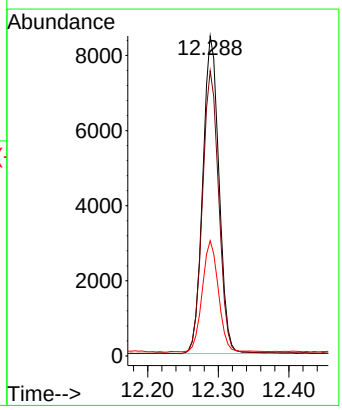


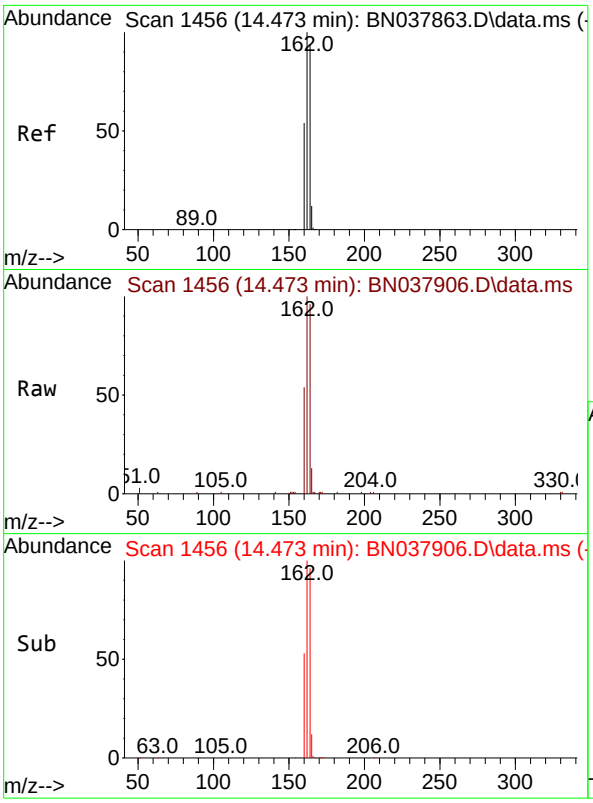


#12
2-Methylnaphthalene
Concen: 0.342 ng
RT: 12.288 min Scan# 1177
Delta R.T. -0.005 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Tgt Ion:142 Resp: 13521

Ion	Ratio	Lower	Upper
142	100		
141	89.1	71.2	106.8
115	36.0	29.7	44.5



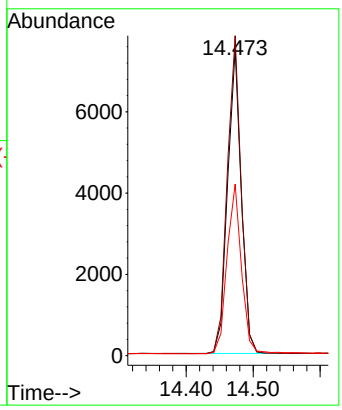


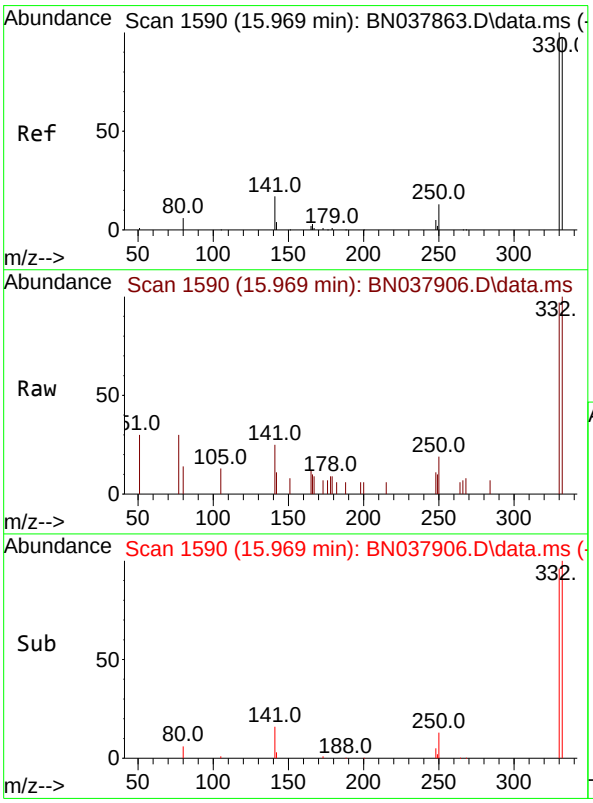
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.473 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Instrument :
BNA_N
ClientSampleId :
PB169794BSD

Tgt Ion:164 Resp: 10679

Ion	Ratio	Lower	Upper
164	100		
162	104.3	84.8	127.2
160	55.9	46.1	69.1

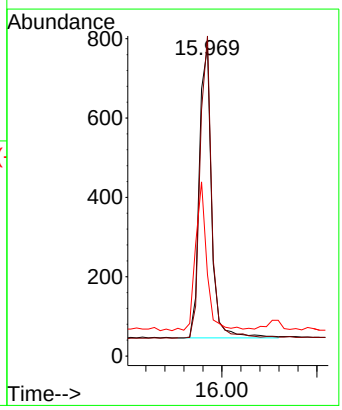


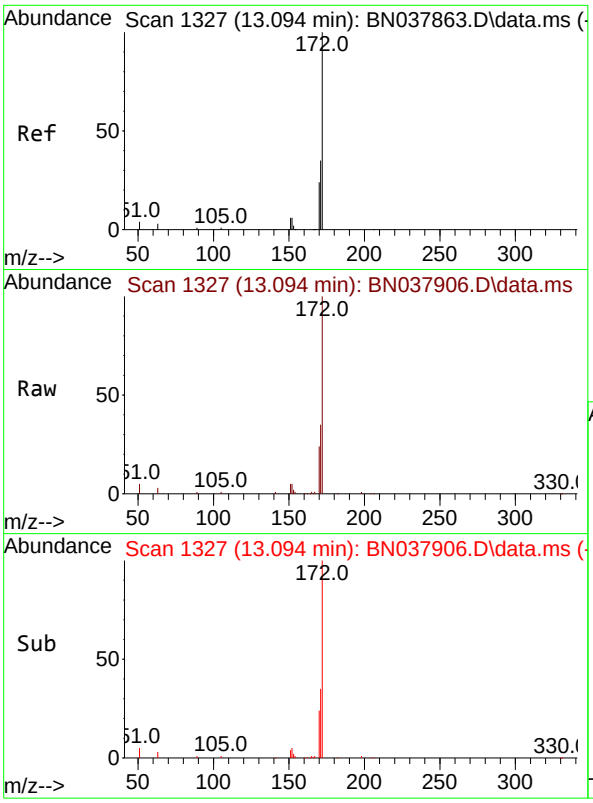


#14
2,4,6-Tribromophenol
Concen: 0.326 ng
RT: 15.969 min Scan# 1590
Delta R.T. 0.000 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Tgt Ion:330 Resp: 1320

Ion	Ratio	Lower	Upper
330	100		
332	98.1	77.2	115.8
141	47.0	37.2	55.8



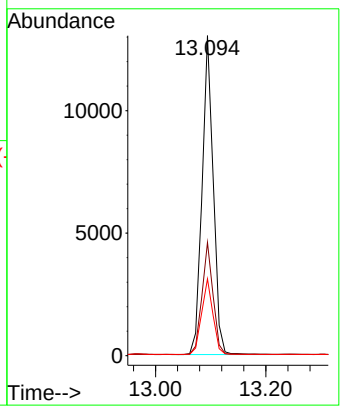


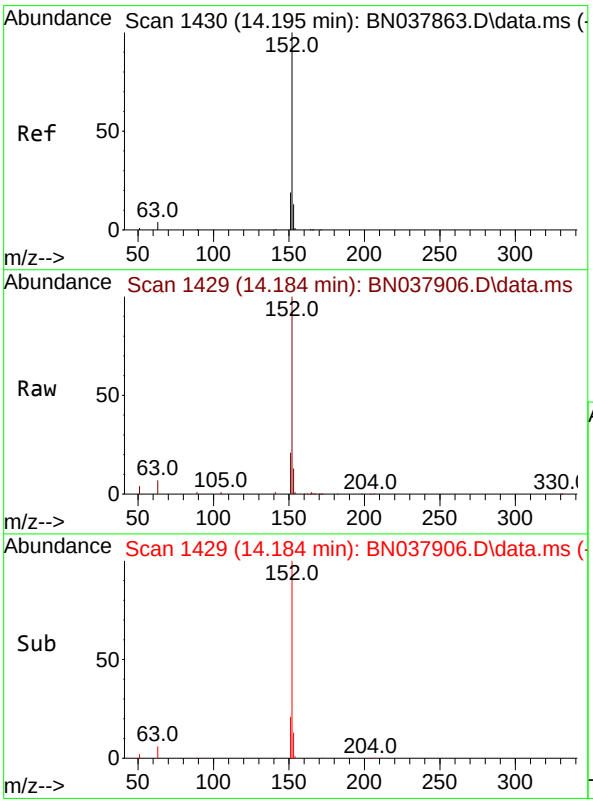
#15
2-Fluorobiphenyl
Concen: 0.421 ng
RT: 13.094 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Instrument :
BNA_N
ClientSampleId :
PB169794BSD

Tgt Ion:172 Resp: 18411

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.6	43.0
170	24.0	19.7	29.5

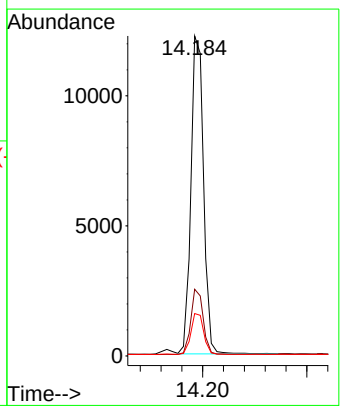


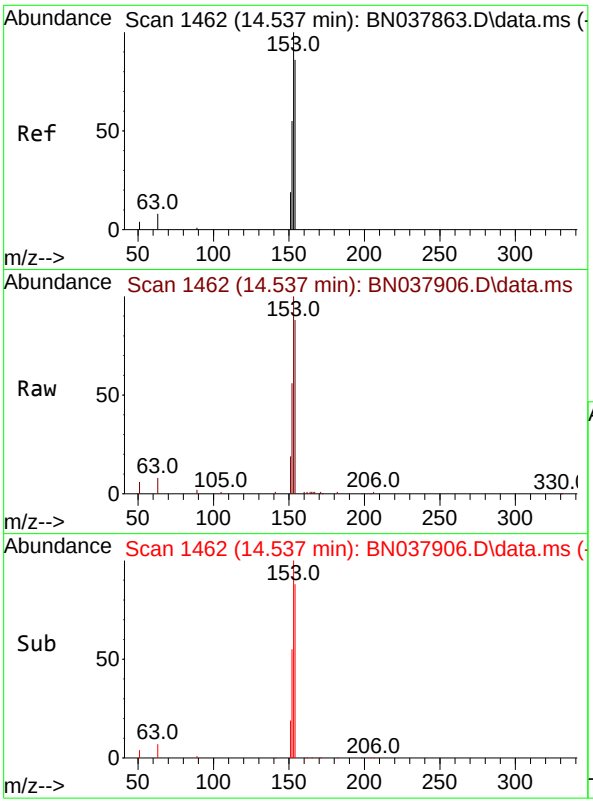


#16
Acenaphthylene
Concen: 0.424 ng
RT: 14.184 min Scan# 1429
Delta R.T. -0.011 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Tgt Ion:152 Resp: 20552

Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.8	23.8
153	13.2	10.5	15.7



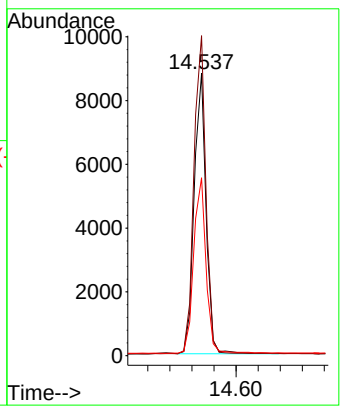


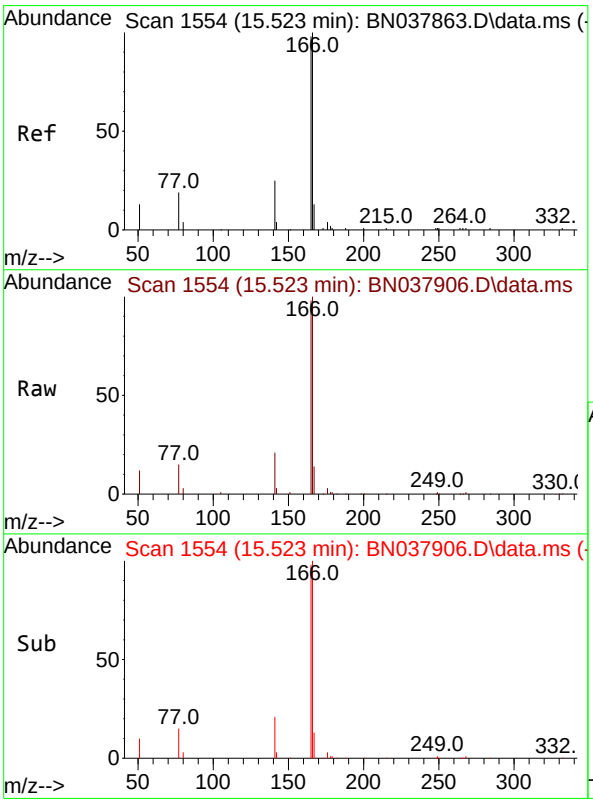
#17
Acenaphthene
Concen: 0.382 ng
RT: 14.537 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Instrument :
BNA_N
ClientSampleId :
PB169794BSD

Tgt Ion:154 Resp: 13201

Ion	Ratio	Lower	Upper
154	100		
153	113.7	90.5	135.7
152	65.1	51.8	77.8

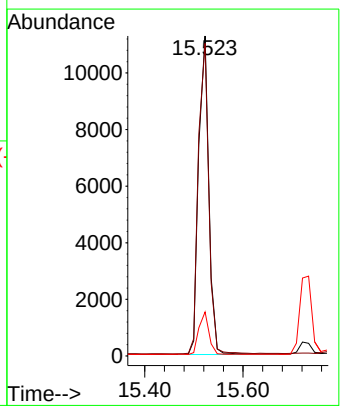


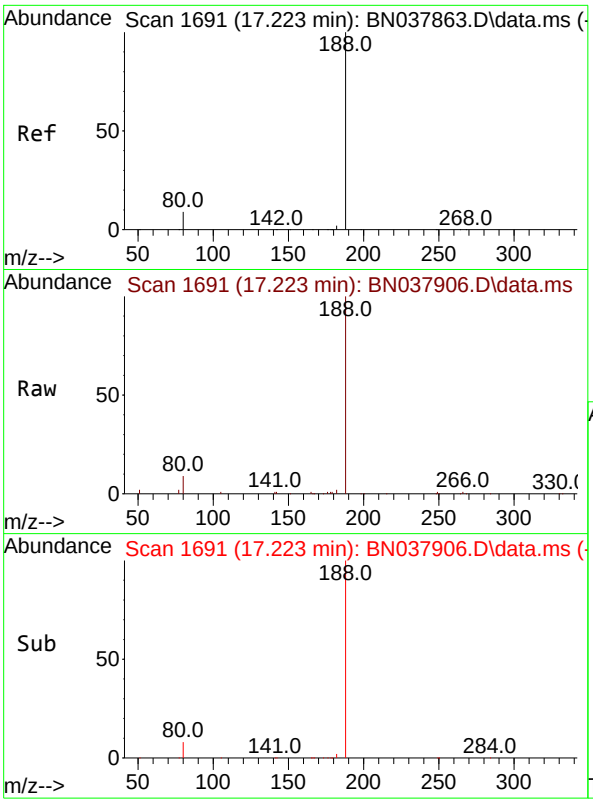


#18
Fluorene
Concen: 0.385 ng
RT: 15.523 min Scan# 1554
Delta R.T. 0.000 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Tgt Ion:166 Resp: 16089

Ion	Ratio	Lower	Upper
166	100		
165	97.8	79.0	118.4
167	13.0	10.6	16.0



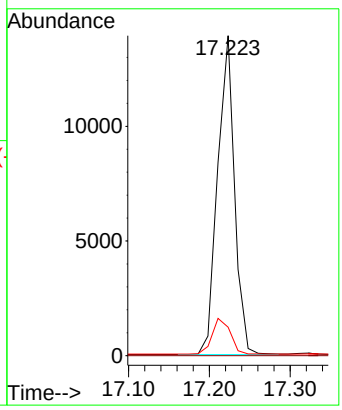


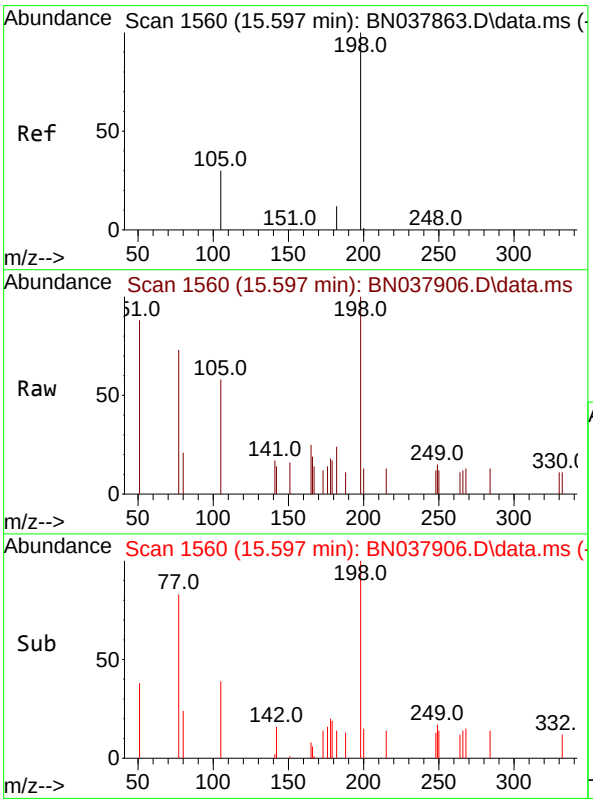
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.223 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Instrument :
BNA_N
ClientSampleId :
PB169794BSD

Tgt Ion:188 Resp: 20250

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.9	7.6	11.4

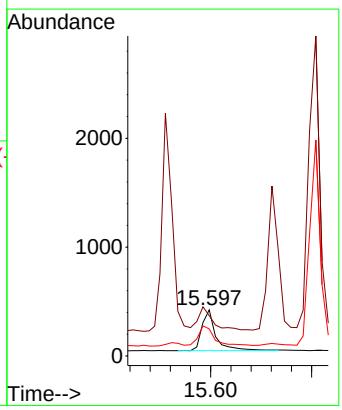


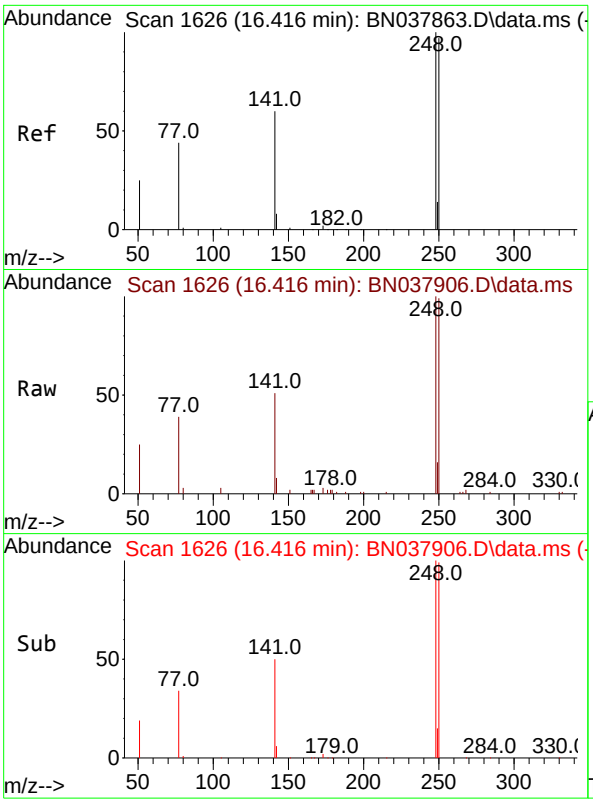


#20
4,6-Dinitro-2-methylphenol
Concen: 0.349 ng
RT: 15.597 min Scan# 1560
Delta R.T. 0.000 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Tgt Ion:198 Resp: 728

Ion	Ratio	Lower	Upper
198	100		
51	87.5	59.1	88.7
105	58.5	41.3	61.9



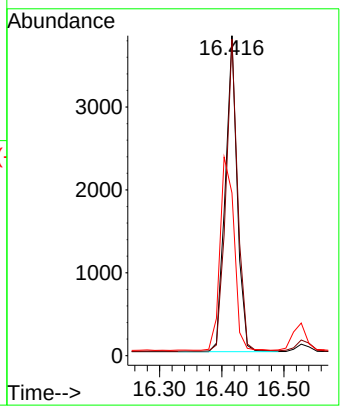


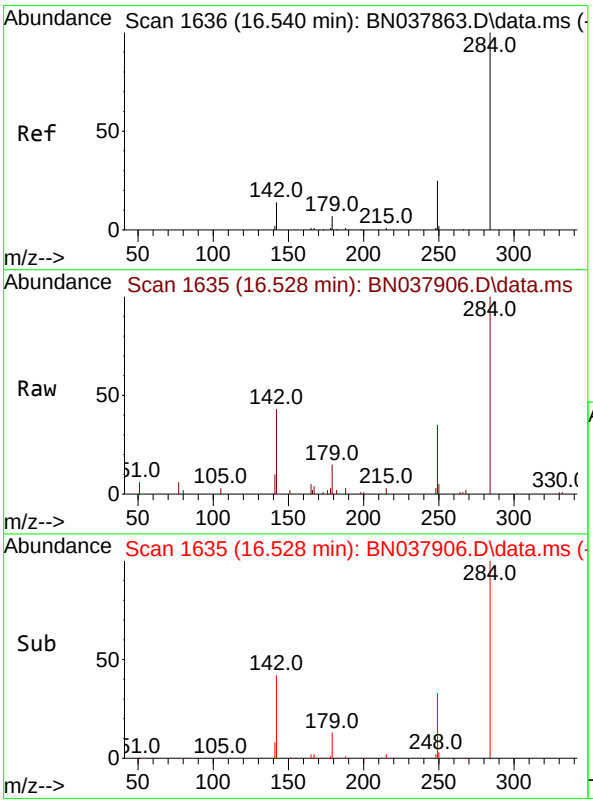
#21
4-Bromophenyl-phenylether
Concen: 0.385 ng
RT: 16.416 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Instrument :
BNA_N
ClientSampleId :
PB169794BSD

Tgt Ion:248 Resp: 5079

Ion	Ratio	Lower	Upper
248	100		
250	98.9	77.6	116.4
141	50.8	48.8	73.2

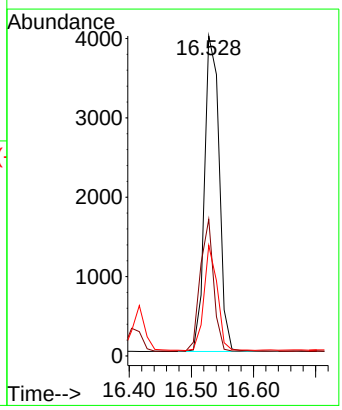


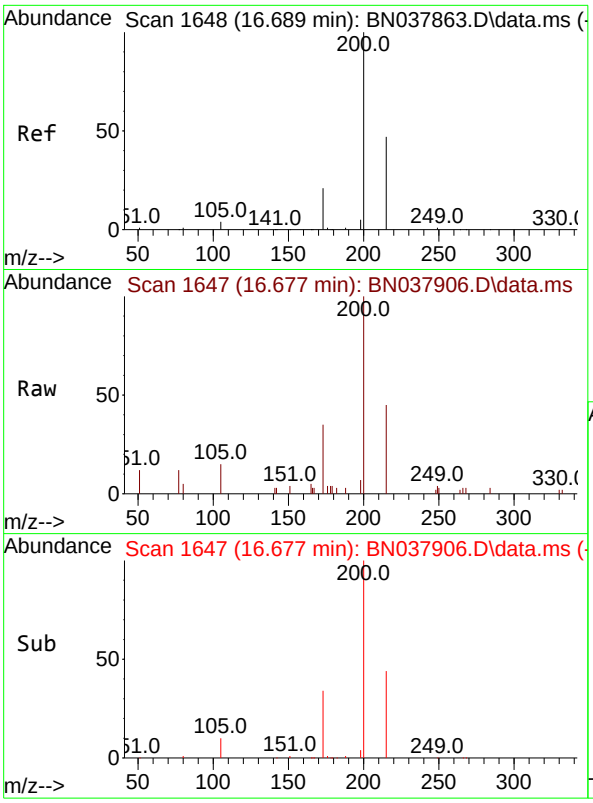


#22
Hexachlorobenzene
Concen: 0.410 ng
RT: 16.528 min Scan# 1635
Delta R.T. -0.012 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Tgt Ion:284 Resp: 6552

Ion	Ratio	Lower	Upper
284	100		
142	38.0	30.9	46.3
249	30.3	23.9	35.9



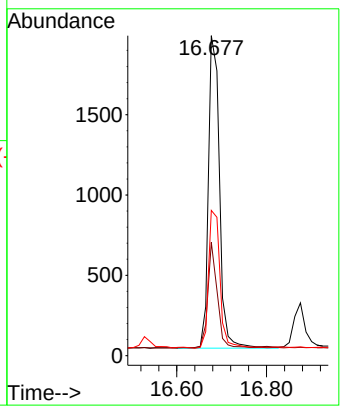


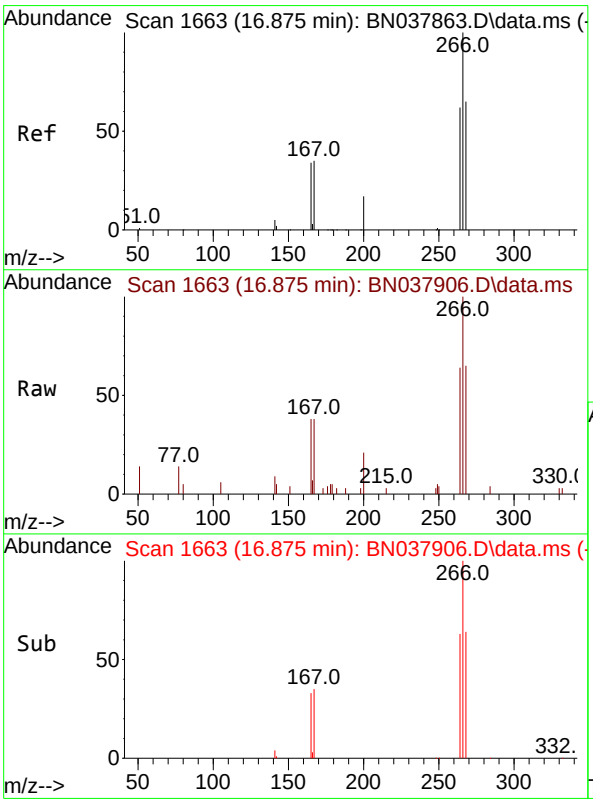
#23
Atrazine
Concen: 0.331 ng
RT: 16.677 min Scan# 1(
Delta R.T. -0.012 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Instrument :
BNA_N
ClientSampleId :
PB169794BSD

Tgt Ion:200 Resp: 3327

Ion	Ratio	Lower	Upper
200	100		
173	35.4	18.3	27.5#
215	45.4	38.6	58.0

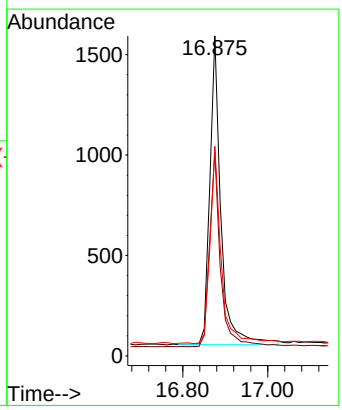


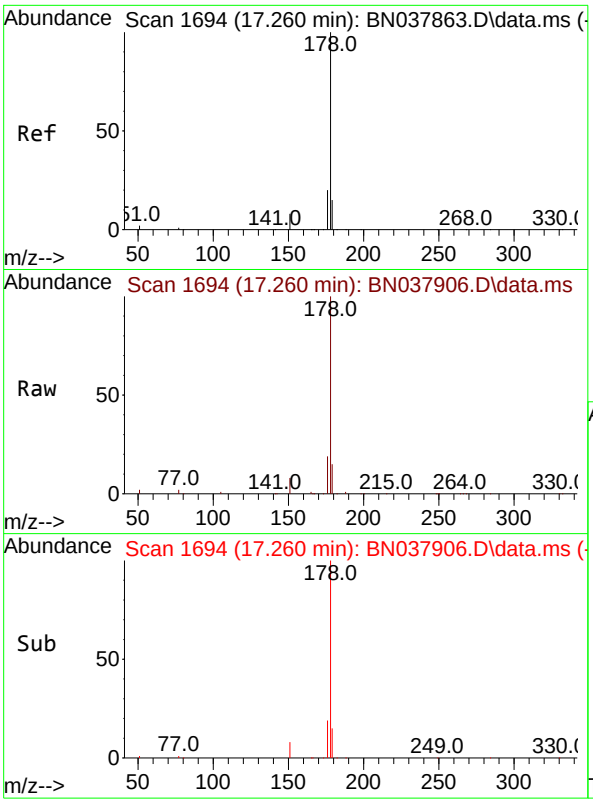


#24
Pentachlorophenol
Concen: 0.506 ng
RT: 16.875 min Scan# 1663
Delta R.T. 0.000 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Tgt Ion:266 Resp: 2777

Ion	Ratio	Lower	Upper
266	100		
264	62.2	50.9	76.3
268	64.2	54.3	81.5



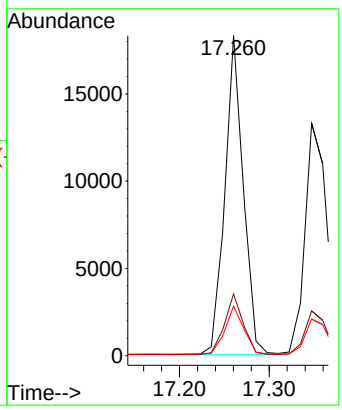


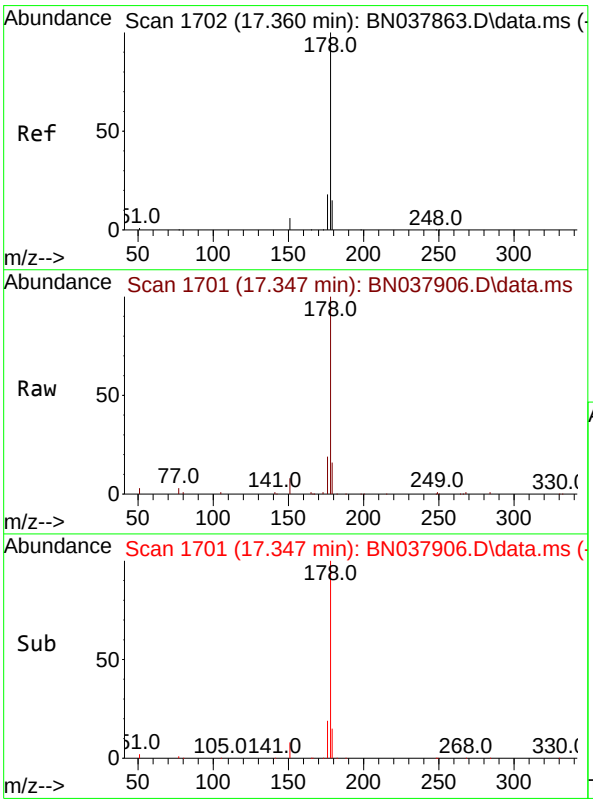
#25
Phenanthrene
Concen: 0.390 ng
RT: 17.260 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Instrument :
BNA_N
ClientSampleId :
PB169794BSD

Tgt Ion:178 Resp: 25976

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.7	23.5
179	15.3	12.3	18.5

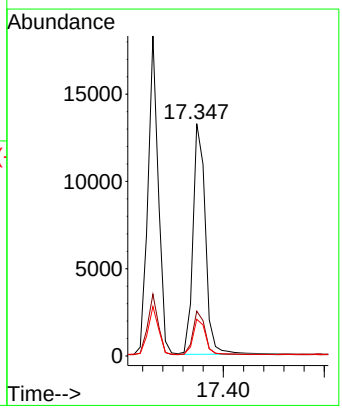


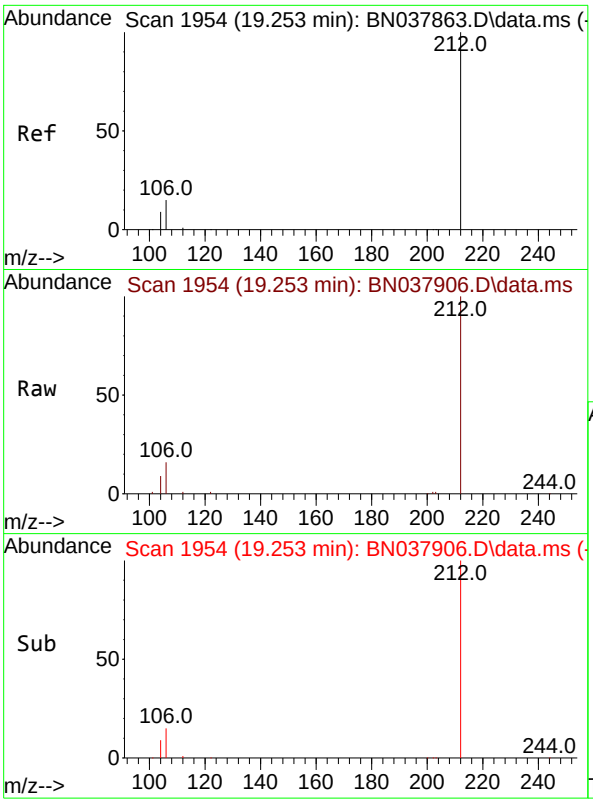


#26
Anthracene
Concen: 0.390 ng
RT: 17.347 min Scan# 1701
Delta R.T. -0.012 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Tgt Ion:178 Resp: 22538

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.4
179	15.4	12.3	18.5



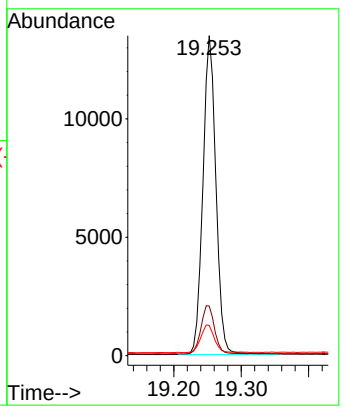


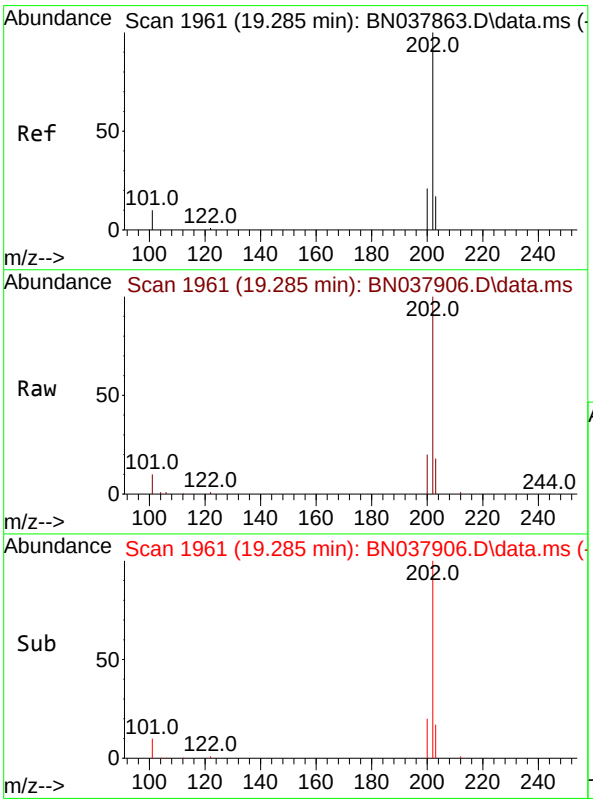
#27
Fluoranthene-d10
Concen: 0.354 ng
RT: 19.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Instrument :
BNA_N
ClientSampleId :
PB169794BSD

Tgt Ion:212 Resp: 18053

Ion	Ratio	Lower	Upper
212	100		
106	15.8	12.6	19.0
104	9.0	7.4	11.0

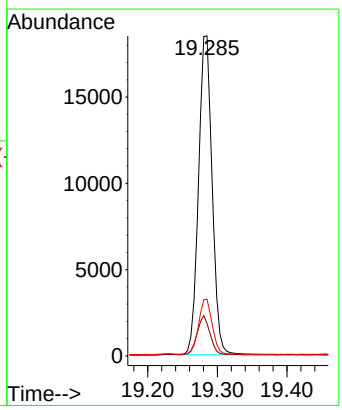


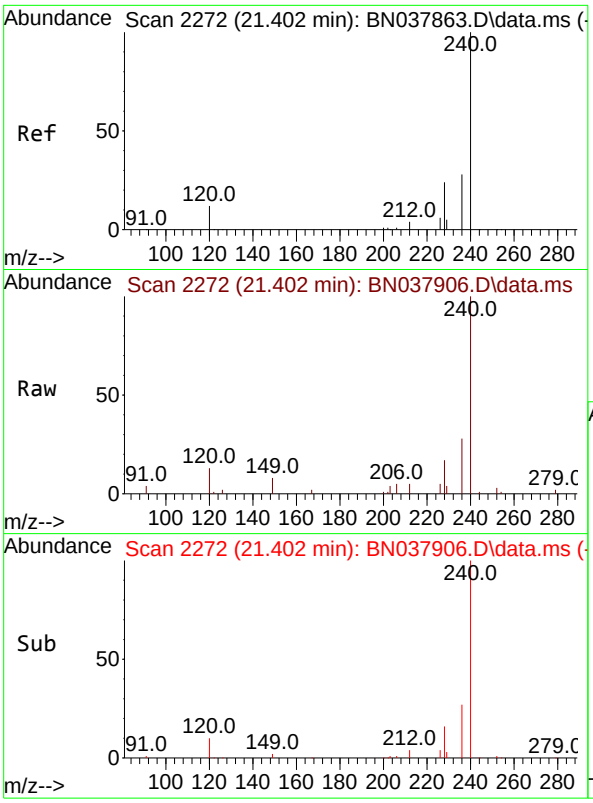


#28
Fluoranthene
Concen: 0.341 ng
RT: 19.285 min Scan# 1961
Delta R.T. 0.000 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Tgt Ion:202 Resp: 25037

Ion	Ratio	Lower	Upper
202	100		
101	12.0	9.3	13.9
203	17.2	13.6	20.4



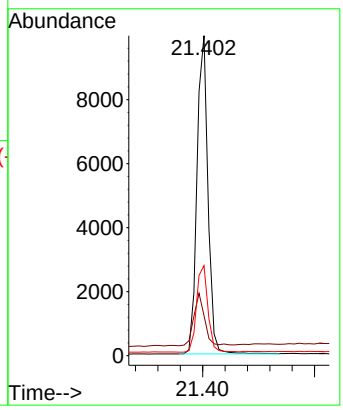


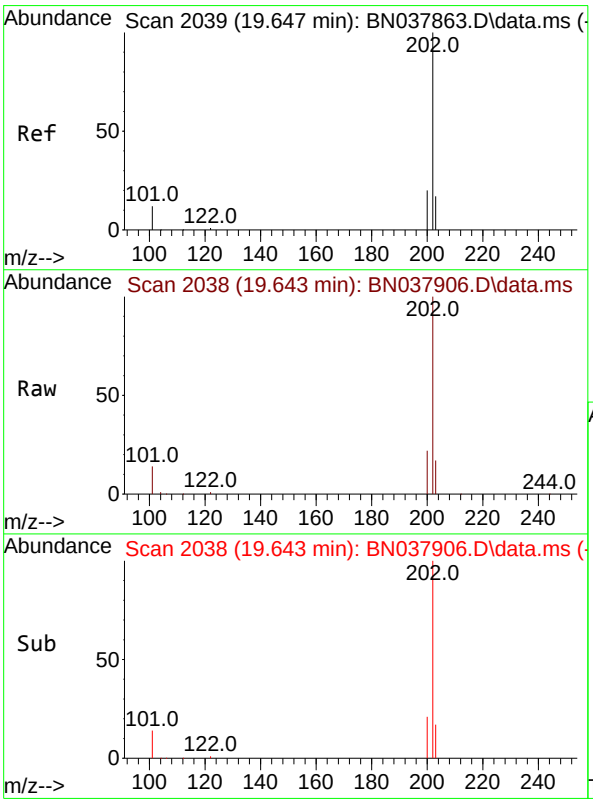
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.402 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Instrument :
BNA_N
ClientSampleId :
PB169794BSD

Tgt Ion:240 Resp: 13542

Ion	Ratio	Lower	Upper
240	100		
120	12.5	11.4	17.2
236	28.2	23.0	34.6

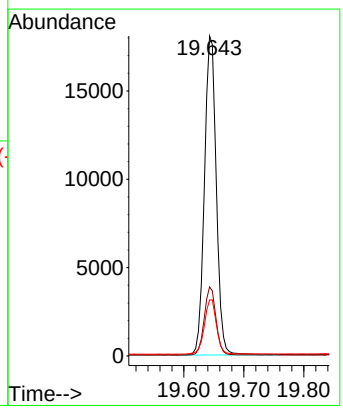


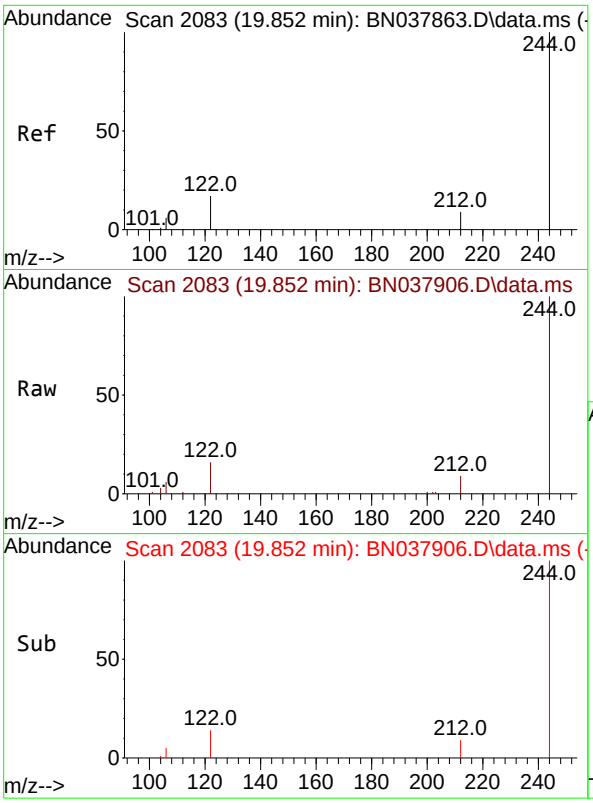


#30
Pyrene
Concen: 0.464 ng
RT: 19.643 min Scan# 2038
Delta R.T. -0.005 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Tgt Ion:202 Resp: 24796

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.7	25.1
203	17.5	14.2	21.4



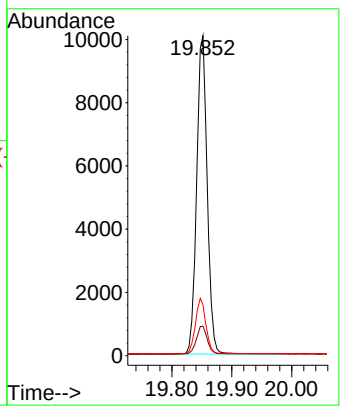


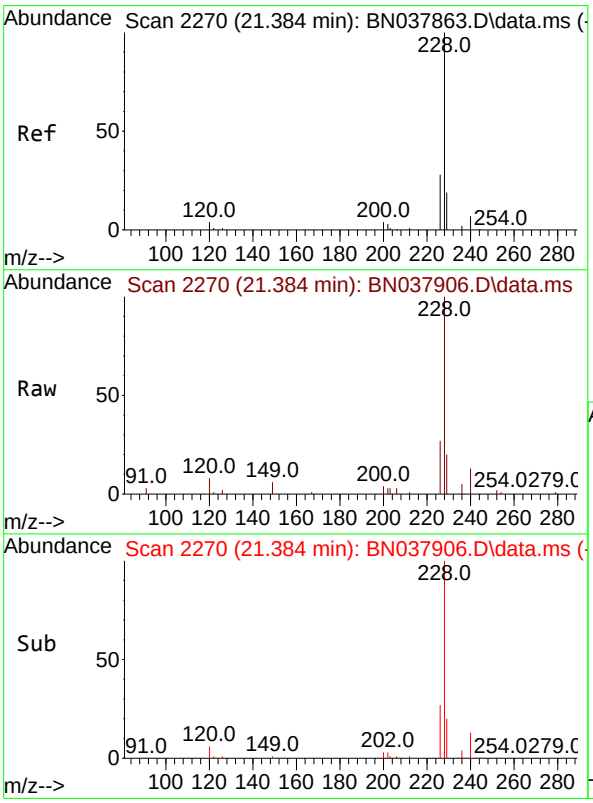
#31
Terphenyl-d14
Concen: 0.457 ng
RT: 19.852 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Instrument :
BNA_N
ClientSampleId :
PB169794BSD

Tgt Ion:244 Resp: 12331

Ion	Ratio	Lower	Upper
244	100		
212	9.2	7.6	11.4
122	15.8	13.9	20.9

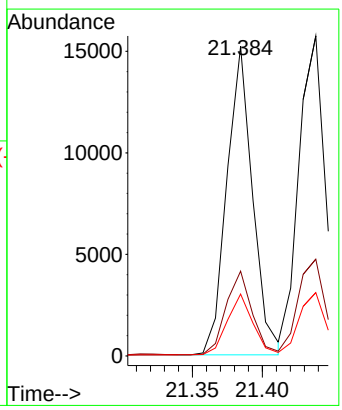


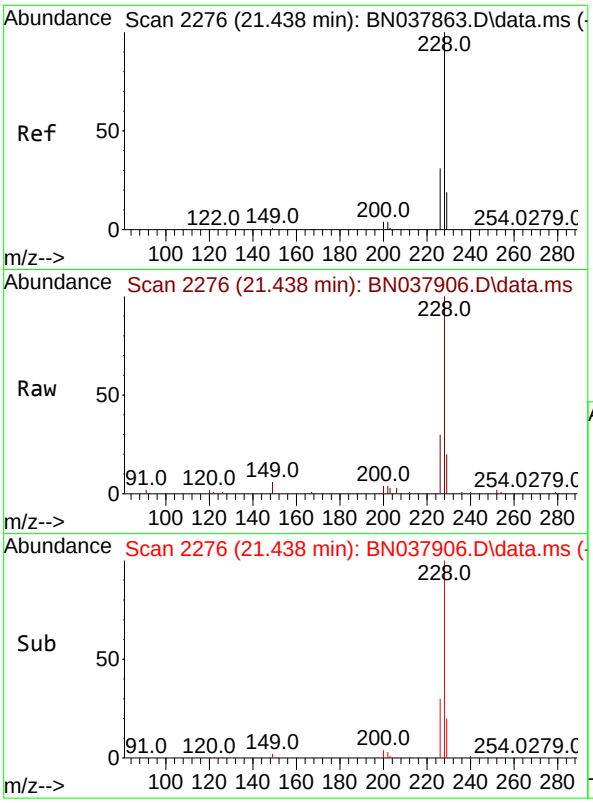


#32
Benzo(a)anthracene
Concen: 0.412 ng
RT: 21.384 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Tgt Ion:228 Resp: 19488

Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.6	33.8
229	20.0	15.6	23.4



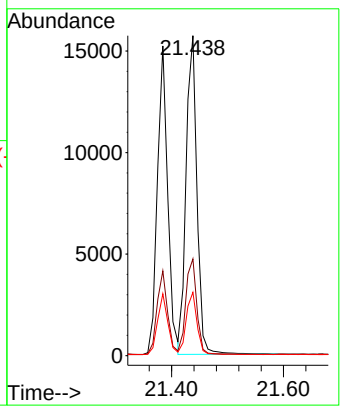


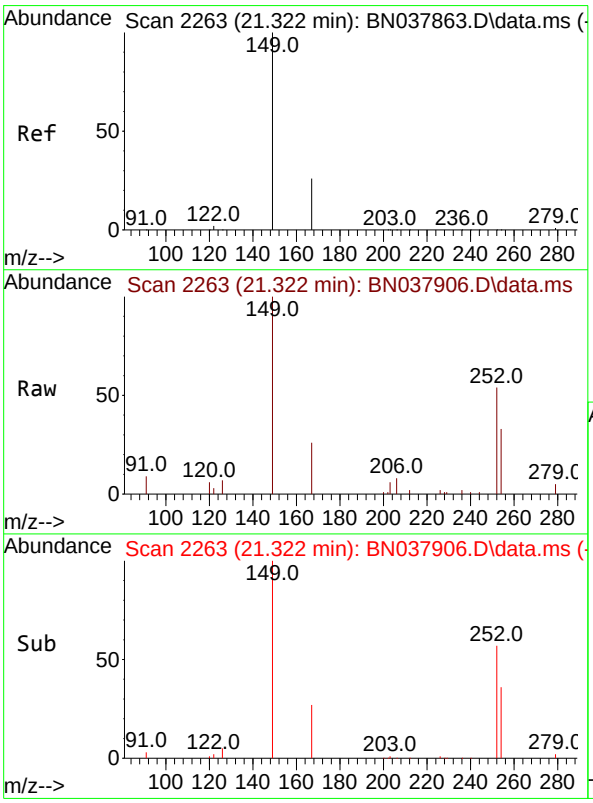
#33
Chrysene
Concen: 0.414 ng
RT: 21.438 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Instrument :
BNA_N
ClientSampleId :
PB169794BSD

Tgt Ion:228 Resp: 21211

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.6	37.0
229	19.8	15.6	23.4

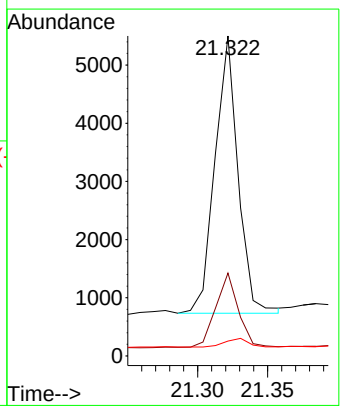


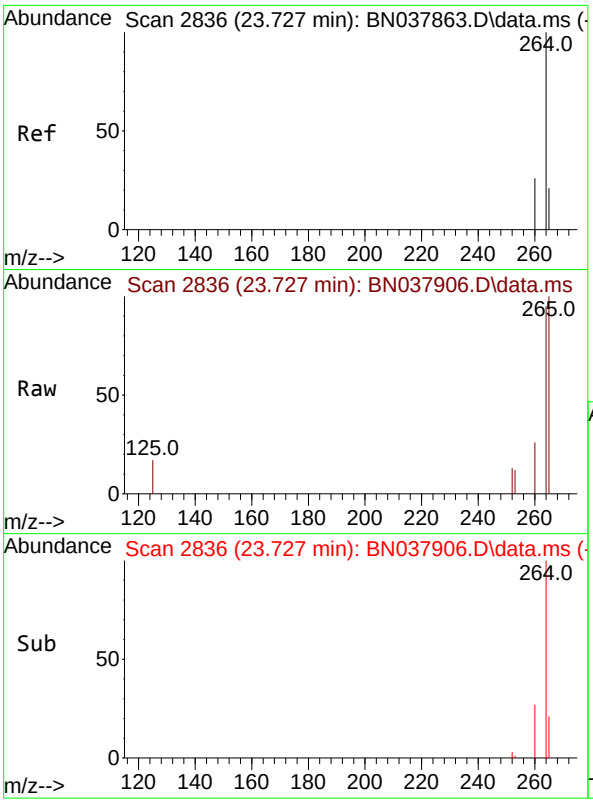


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.292 ng
RT: 21.322 min Scan# 2263
Delta R.T. 0.000 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Tgt Ion:149 Resp: 5470

Ion	Ratio	Lower	Upper
149	100		
167	26.7	20.4	30.6
279	3.2	2.4	3.6



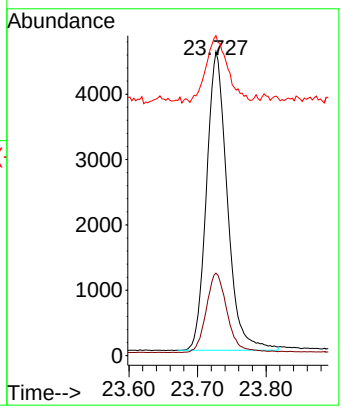


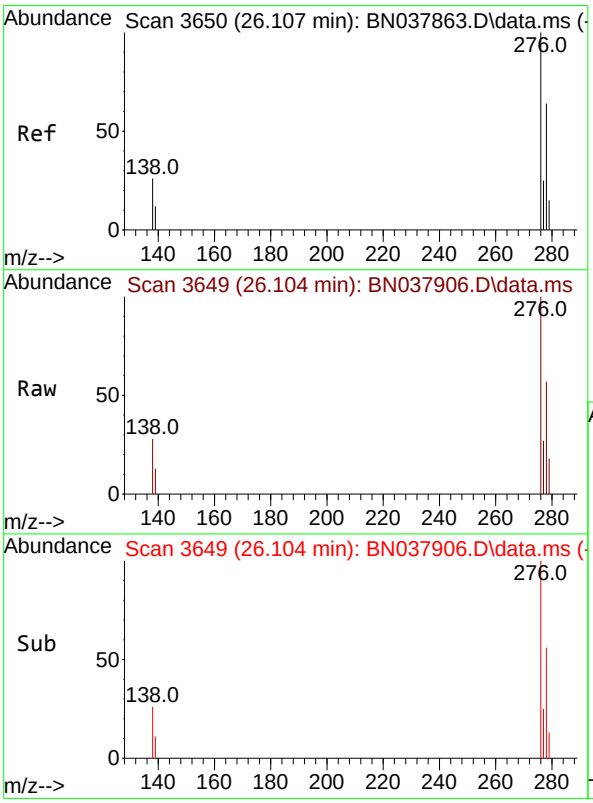
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.727 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Instrument :
BNA_N
ClientSampleId :
PB169794BSD

Tgt Ion:264 Resp: 9649

Ion	Ratio	Lower	Upper
264	100		
260	27.2	21.5	32.3
265	105.3	53.8	80.6#

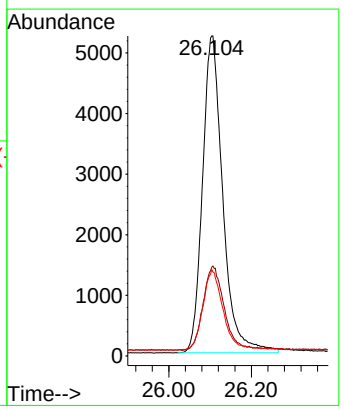


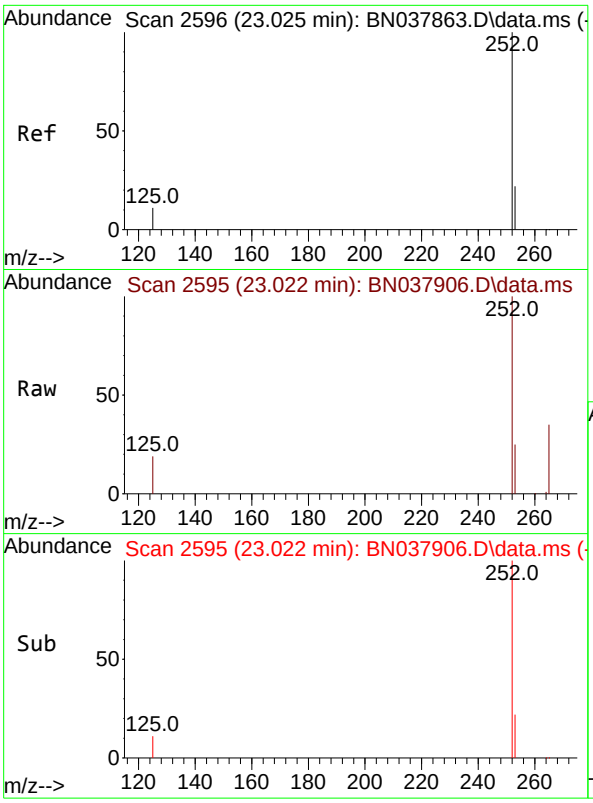


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.405 ng
RT: 26.104 min Scan# 3649
Delta R.T. -0.003 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Tgt Ion:276 Resp: 17847

Ion	Ratio	Lower	Upper
276	100		
138	27.7	21.4	32.0
277	24.9	20.3	30.5



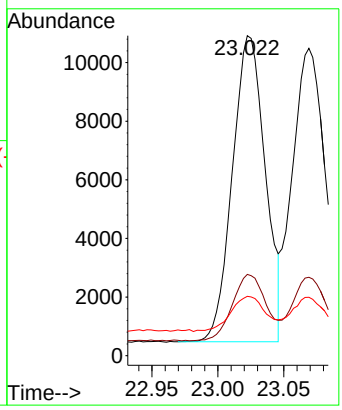


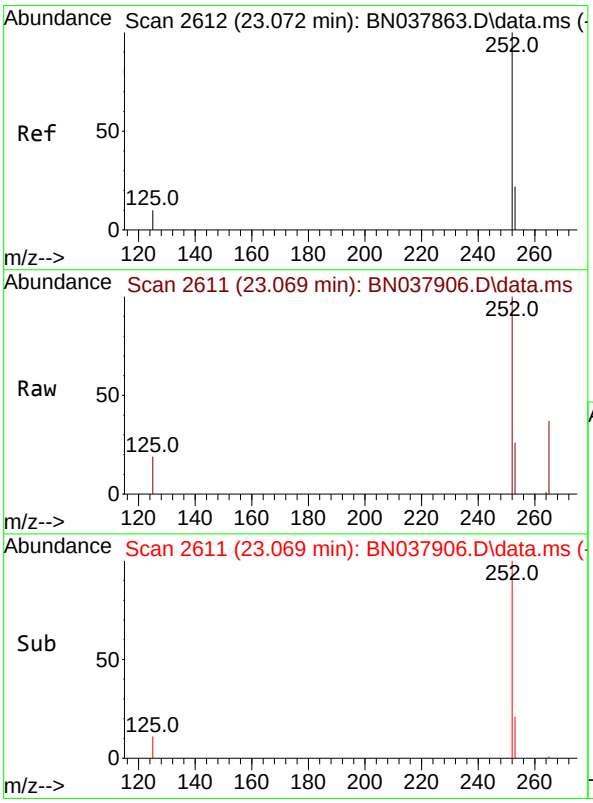
#37
Benzo(b)fluoranthene
Concen: 0.435 ng
RT: 23.022 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Instrument :
BNA_N
ClientSampleId :
PB169794BSD

Tgt Ion:252 Resp: 18110

Ion	Ratio	Lower	Upper
252	100		
253	25.4	19.4	29.0
125	18.5	13.0	19.4

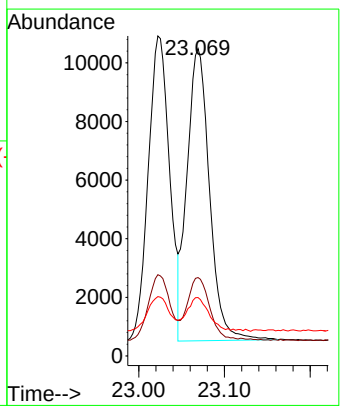


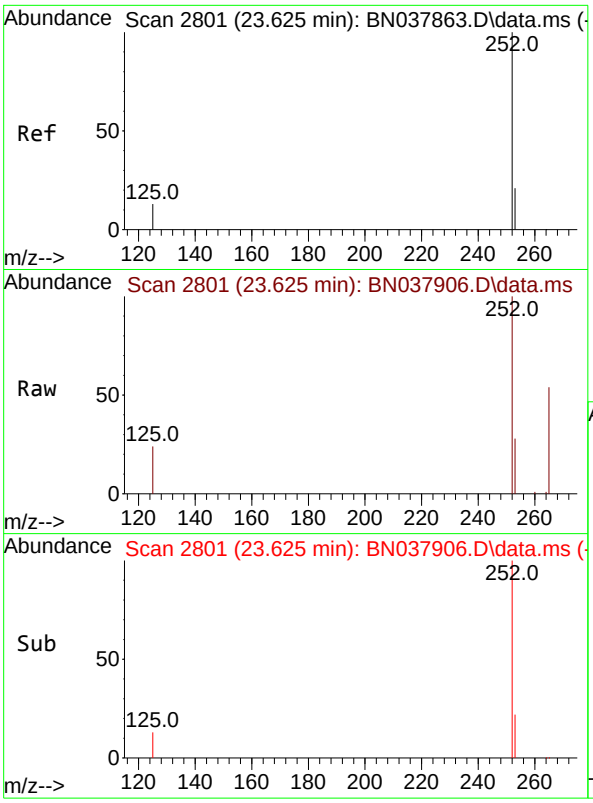


#38
Benzo(k)fluoranthene
Concen: 0.434 ng
RT: 23.069 min Scan# 2611
Delta R.T. -0.003 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Tgt Ion:252 Resp: 18173

Ion	Ratio	Lower	Upper
252	100		
253	25.5	19.5	29.3
125	19.0	13.0	19.4



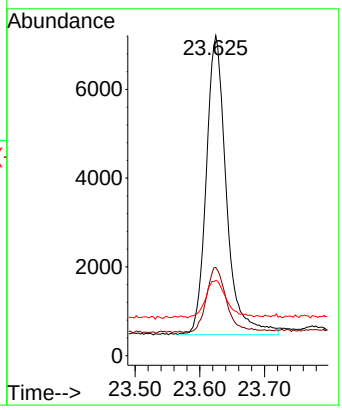


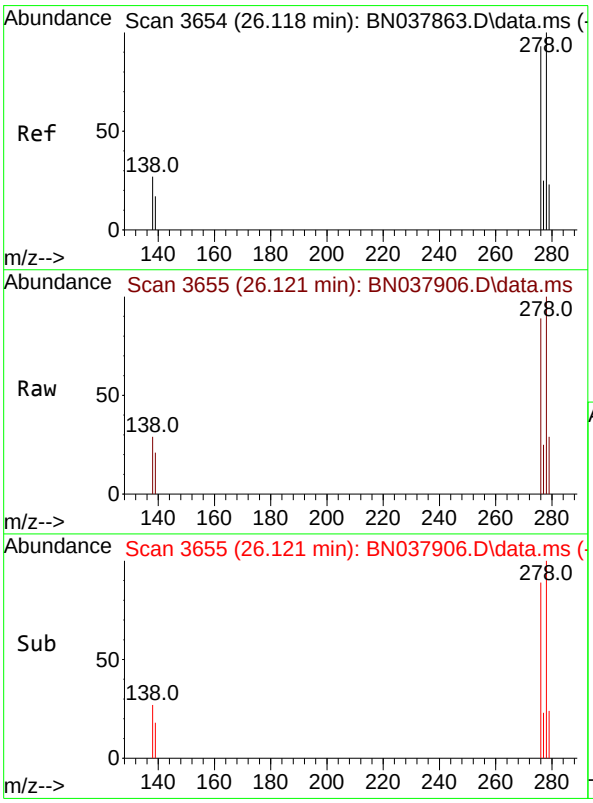
#39
Benzo(a)pyrene
Concen: 0.444 ng
RT: 23.625 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Instrument :
BNA_N
ClientSampleId :
PB169794BSD

Tgt Ion:252 Resp: 14612

Ion	Ratio	Lower	Upper
252	100		
253	27.6	20.6	30.8
125	23.5	16.7	25.1

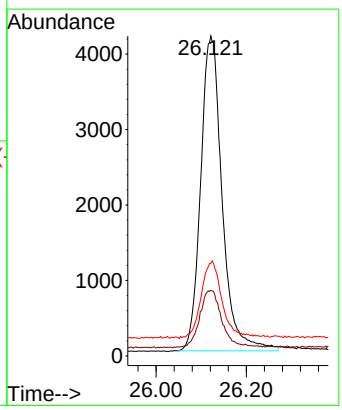


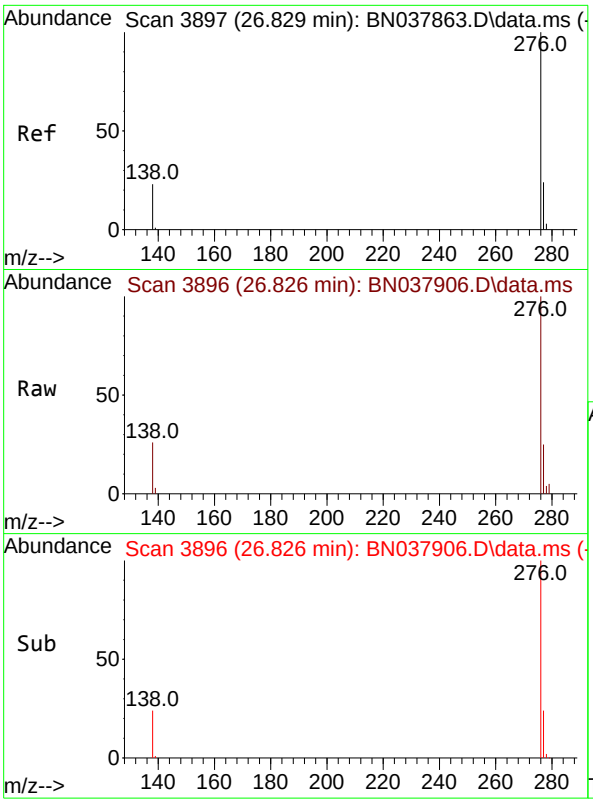


#40
Dibenzo(a,h)anthracene
Concen: 0.400 ng
RT: 26.121 min Scan# 3655
Delta R.T. 0.003 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Tgt Ion:278 Resp: 13787

Ion	Ratio	Lower	Upper
278	100		
139	20.5	15.4	23.2
279	29.0	20.8	31.2



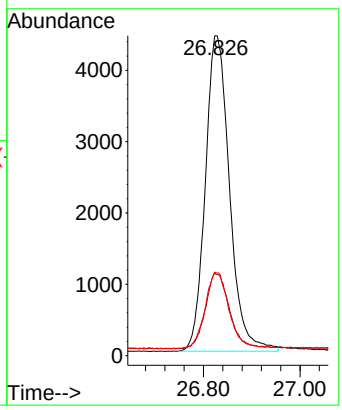


#41
Benzo(g,h,i)perylene
Concen: 0.426 ng
RT: 26.826 min Scan# 3
Delta R.T. -0.003 min
Lab File: BN037906.D
Acq: 26 Sep 2025 02:16

Instrument :
BNA_N
ClientSampleId :
PB169794BSD

Tgt Ion:276 Resp: 15417

Ion	Ratio	Lower	Upper
276	100		
277	25.4	20.2	30.4
138	25.9	19.8	29.8



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Manual Integration Report

Sequence:	BN092325	Instrument	BNA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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

Manual Integration Report

Sequence:	BN092525	Instrument	BNA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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

Manual Integration Report

Sequence:	BN092925	Instrument	BNA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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

Manual Integration Report

Sequence:	BN093025	Instrument	BNA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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 # BN092325

Review By	Rahul	Review On	9/24/2025 8:51:58 AM		
Supervise By	Jagrut	Supervise On	9/24/2025 9:44:29 AM		
SubDirectory	BN092325	HP Acquire Method	BNA_N	HP Processing Method	bn092325

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	BN037860.D	23 Sep 2025 11:33	RC/JU	Ok
2	SSTDICC0.1	BN037861.D	23 Sep 2025 12:13	RC/JU	Ok
3	SSTDICC0.2	BN037862.D	23 Sep 2025 12:49	RC/JU	Ok
4	SSTDICCC0.4	BN037863.D	23 Sep 2025 13:25	RC/JU	Ok
5	SSTDICC0.8	BN037864.D	23 Sep 2025 14:02	RC/JU	Ok
6	SSTDICC1.6	BN037865.D	23 Sep 2025 14:38	RC/JU	Ok
7	SSTDICC3.2	BN037866.D	23 Sep 2025 15:15	RC/JU	Ok
8	SSTDICC5.0	BN037867.D	23 Sep 2025 15:51	RC/JU	Ok
9	SSTDICV0.4	BN037868.D	23 Sep 2025 16:28	RC/JU	Ok
10	PB169743BL	BN037869.D	23 Sep 2025 17:42	RC/JU	Not Ok

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN092525

Review By	yogesh	Review On	9/26/2025 4:55:41 AM		
Supervise By	mohammad	Supervise On	9/26/2025 4:58:13 AM		
SubDirectory	BN092525	HP Acquire Method	BNA_N, 8270_SIM	HP Processing Method	bn092325

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	BN037882.D	25 Sep 2025 10:52	RC/JU	Ok
2	SSTDCCC0.4	BN037883.D	25 Sep 2025 11:31	RC/JU	Ok
3	PB169793BL	BN037884.D	25 Sep 2025 12:07	RC/JU	Ok
4	PB169712BS	BN037885.D	25 Sep 2025 12:44	RC/JU	Ok
5	PB169793BS	BN037886.D	25 Sep 2025 13:21	RC/JU	Ok
6	PB169793BSD	BN037887.D	25 Sep 2025 13:57	RC/JU	Ok
7	PB169712BSD	BN037888.D	25 Sep 2025 14:34	RC/JU	Ok
8	Q3141-02	BN037889.D	25 Sep 2025 15:11	RC/JU	Ok
9	Q3141-03	BN037890.D	25 Sep 2025 15:48	RC/JU	Ok
10	Q3141-05	BN037891.D	25 Sep 2025 16:24	RC/JU	Ok
11	Q3141-07	BN037892.D	25 Sep 2025 17:01	RC/JU	Ok
12	Q3142-01	BN037893.D	25 Sep 2025 17:38	RC/JU	Ok
13	Q3142-02	BN037894.D	25 Sep 2025 18:15	RC/JU	Ok
14	Q3156-02	BN037895.D	25 Sep 2025 18:51	RC/JU	Ok
15	Q3156-03	BN037896.D	25 Sep 2025 19:28	RC/JU	Ok
16	Q3156-04	BN037897.D	25 Sep 2025 20:05	RC/JU	Ok
17	Q3156-05	BN037898.D	25 Sep 2025 20:41	RC/JU	Dilution
18	Q3156-06	BN037899.D	25 Sep 2025 21:18	RC/JU	Dilution
19	Q3156-07	BN037900.D	25 Sep 2025 21:54	RC/JU	Dilution
20	SSTDCCC0.4	BN037901.D	25 Sep 2025 22:31	RC/JU	Ok
21	DFTPP	BN037902.D	25 Sep 2025 23:47	RC/JU	Ok

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Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN092525

Review By	yogesh	Review On	9/26/2025 4:55:41 AM		
Supervise By	mohammad	Supervise On	9/26/2025 4:58:13 AM		
SubDirectory	BN092525	HP Acquire Method	BNA_N, 8270_SIM	HP Processing Method	bn092325

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	SSTDCCC0.4	BN037903.D	26 Sep 2025 00:27	RC/JU	Ok
23	PB169794BL	BN037904.D	26 Sep 2025 01:03	RC/JU	Ok
24	PB169794BS	BN037905.D	26 Sep 2025 01:40	RC/JU	Ok
25	PB169794BSD	BN037906.D	26 Sep 2025 02:16	RC/JU	Ok
26	Q3156-08	BN037907.D	26 Sep 2025 02:52	RC/JU	Ok
27	Q3156-09	BN037908.D	26 Sep 2025 03:29	RC/JU	Ok
28	Q3156-10	BN037909.D	26 Sep 2025 04:05	RC/JU	Ok
29	Q3156-11	BN037910.D	26 Sep 2025 04:41	RC/JU	Ok
30	Q3156-12	BN037911.D	26 Sep 2025 05:18	RC/JU	Ok
31	Q3156-13	BN037912.D	26 Sep 2025 05:54	RC/JU	Ok
32	Q3156-14	BN037913.D	26 Sep 2025 06:30	RC/JU	Ok
33	Q3156-16	BN037914.D	26 Sep 2025 07:06	RC/JU	Ok
34	Q3156-17	BN037915.D	26 Sep 2025 07:43	RC/JU	Ok
35	Q3156-18	BN037916.D	26 Sep 2025 08:19	RC/JU	Ok
36	Q3156-19	BN037917.D	26 Sep 2025 08:55	RC/JU	Ok
37	Q3156-20	BN037918.D	26 Sep 2025 09:32	RC/JU	Ok
38	Q3156-21	BN037919.D	26 Sep 2025 10:08	RC/JU	Ok
39	Q3156-23	BN037920.D	26 Sep 2025 10:45	RC/JU	Ok
40	SSTDCCC0.4	BN037921.D	26 Sep 2025 11:21	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN092925

Review By	rahul	Review On	9/30/2025 8:38:19 AM		
Supervise By	Jagrut	Supervise On	9/30/2025 10:51:24 AM		
SubDirectory	BN092925	HP Acquire Method	BNA_N, 8270_SIM	HP Processing Method	bn092325

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	BN037930.D	29 Sep 2025 10:15	RC/JU	Ok
2	SSTDCCC0.4	BN037931.D	29 Sep 2025 11:30	RC/JU	Ok
3	PB169839BL	BN037932.D	29 Sep 2025 12:06	RC/JU	Ok
4	PB169839BS	BN037933.D	29 Sep 2025 12:43	RC/JU	Ok
5	PB169839BSD	BN037934.D	29 Sep 2025 13:19	RC/JU	Ok
6	Q3165-02	BN037935.D	29 Sep 2025 13:55	RC/JU	Ok
7	Q3165-04	BN037936.D	29 Sep 2025 14:32	RC/JU	Ok
8	Q3165-07	BN037937.D	29 Sep 2025 15:08	RC/JU	Ok
9	Q3156-05DL	BN037938.D	29 Sep 2025 16:57	RC/JU	Ok
10	Q3156-06DL	BN037939.D	29 Sep 2025 17:33	RC/JU	ReRun
11	Q3156-07DL	BN037940.D	29 Sep 2025 18:09	RC/JU	Ok
12	SSTDCCC0.4	BN037941.D	29 Sep 2025 18:46	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 # BN093025

Review By	Rahul	Review On	10/1/2025 9:18:26 AM		
Supervise By	Jagrut	Supervise On	10/1/2025 10:56:35 AM		
SubDirectory	BN093025	HP Acquire Method	BNA_N, 8270_SIM	HP Processing Method	bn092325

STD. NAME	STD REF.#
Tune/Reschk	SP6875
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	BN037942.D	30 Sep 2025 11:37	RC/JU	Ok
2	SSTDCCC0.4	BN037943.D	30 Sep 2025 12:16	RC/JU	Ok
3	PB169886BL	BN037944.D	30 Sep 2025 12:53	RC/JU	Ok
4	Q3156-06DL	BN037945.D	30 Sep 2025 13:29	RC/JU	Ok
5	SP6873	BN037946.D	30 Sep 2025 14:06	RC/JU	Ok
6	Q3193-01	BN037947.D	30 Sep 2025 14:42	RC/JU	Ok
7	Q3193-02MS	BN037948.D	30 Sep 2025 16:33	RC/JU	Ok
8	Q3193-03MSD	BN037949.D	30 Sep 2025 17:09	RC/JU	Ok
9	Q3193-04	BN037950.D	30 Sep 2025 17:46	RC/JU	Ok
10	Q3193-05	BN037951.D	30 Sep 2025 18:22	RC/JU	Ok
11	Q3193-06	BN037952.D	30 Sep 2025 18:59	RC/JU	Ok
12	Q3193-07	BN037953.D	30 Sep 2025 19:35	RC/JU	Ok
13	Q3193-08	BN037954.D	30 Sep 2025 20:12	RC/JU	Ok
14	Q3193-09	BN037955.D	30 Sep 2025 20:48	RC/JU	Ok
15	Q3193-10	BN037956.D	30 Sep 2025 21:25	RC/JU	Ok
16	Q3193-11	BN037957.D	30 Sep 2025 22:01	RC/JU	Ok
17	PB169886BS	BN037958.D	30 Sep 2025 22:37	RC/JU	Ok
18	SSTDCCC0.4	BN037959.D	30 Sep 2025 23:14	RC/JU	Ok
19	DFTPP	BN037960.D	01 Oct 2025 00:30	RC/JU	Ok
20	SSTDCCC0.4	BN037961.D	01 Oct 2025 01:10	RC/JU	Ok
21	PB169886BL	BN037962.D	01 Oct 2025 01:46	RC/JU	Ok

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Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN093025

Review By	Rahul	Review On	10/1/2025 9:18:26 AM		
Supervise By	Jagrut	Supervise On	10/1/2025 10:56:35 AM		
SubDirectory	BN093025	HP Acquire Method	BNA_N, 8270_SIM	HP Processing Method	bn092325

STD. NAME	STD REF.#
Tune/Reschk	SP6875
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	Q3193-12	BN037963.D	01 Oct 2025 02:23	RC/JU	Ok
23	Q3193-13	BN037964.D	01 Oct 2025 02:59	RC/JU	Ok
24	Q3193-14	BN037965.D	01 Oct 2025 03:35	RC/JU	Ok
25	Q3193-15	BN037966.D	01 Oct 2025 04:12	RC/JU	Ok
26	Q3193-16	BN037967.D	01 Oct 2025 04:48	RC/JU	Ok
27	Q3193-17	BN037968.D	01 Oct 2025 05:24	RC/JU	Ok
28	Q3193-18	BN037969.D	01 Oct 2025 06:00	RC/JU	Ok
29	Q3193-19	BN037970.D	01 Oct 2025 06:36	RC/JU	Ok
30	Q3193-20	BN037971.D	01 Oct 2025 07:13	RC/JU	Ok
31	Q3193-21	BN037972.D	01 Oct 2025 07:49	RC/JU	Ok
32	Q3193-22	BN037973.D	01 Oct 2025 08:25	RC/JU	Ok
33	SSTDCCC0.4	BN037974.D	01 Oct 2025 09:24	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN092325

Review By	Rahul	Review On	9/24/2025 8:51:58 AM		
Supervise By	Jagrut	Supervise On	9/24/2025 9:44:29 AM		
SubDirectory	BN092325	HP Acquire Method	BNA_N	HP Processing Method	bn092325

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	BN037860.D	23 Sep 2025 11:33		RC/JU	Ok
2	SSTDICC0.1	SSTDICC0.1	BN037861.D	23 Sep 2025 12:13		RC/JU	Ok
3	SSTDICC0.2	SSTDICC0.2	BN037862.D	23 Sep 2025 12:49		RC/JU	Ok
4	SSTDICCC0.4	SSTDICCC0.4	BN037863.D	23 Sep 2025 13:25	Compound #20 kept on QR	RC/JU	Ok
5	SSTDICC0.8	SSTDICC0.8	BN037864.D	23 Sep 2025 14:02		RC/JU	Ok
6	SSTDICC1.6	SSTDICC1.6	BN037865.D	23 Sep 2025 14:38		RC/JU	Ok
7	SSTDICC3.2	SSTDICC3.2	BN037866.D	23 Sep 2025 15:15		RC/JU	Ok
8	SSTDICC5.0	SSTDICC5.0	BN037867.D	23 Sep 2025 15:51	Compound#14,24 removed from 5.0 ppm	RC/JU	Ok
9	SSTDICV0.4	ICVBN092325	BN037868.D	23 Sep 2025 16:28		RC/JU	Ok
10	PB169743BL	PB169743BL	BN037869.D	23 Sep 2025 17:42	END CCC missing, Analyzed for Contamination check.	RC/JU	Not Ok

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Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN092525

Review By	yogesh	Review On	9/26/2025 4:55:41 AM	
Supervise By	mohammad	Supervise On	9/26/2025 4:58:13 AM	
SubDirectory	BN092525	HP Acquire Method	BNA_N, 8270_HP Processing Method	bn092325

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	BN037882.D	25 Sep 2025 10:52		RC/JU	Ok
2	SSTDCCC0.4	SSTDCCC0.4	BN037883.D	25 Sep 2025 11:31		RC/JU	Ok
3	PB169793BL	PB169793BL	BN037884.D	25 Sep 2025 12:07		RC/JU	Ok
4	PB169712BS	PB169712BS	BN037885.D	25 Sep 2025 12:44		RC/JU	Ok
5	PB169793BS	PB169793BS	BN037886.D	25 Sep 2025 13:21		RC/JU	Ok
6	PB169793BSD	PB169793BSD	BN037887.D	25 Sep 2025 13:57		RC/JU	Ok
7	PB169712BSD	PB169712BSD	BN037888.D	25 Sep 2025 14:34		RC/JU	Ok
8	Q3141-02	BP-VPB-184-EB-20250	BN037889.D	25 Sep 2025 15:11		RC/JU	Ok
9	Q3141-03	BP-VPB-184-GW-60-62	BN037890.D	25 Sep 2025 15:48		RC/JU	Ok
10	Q3141-05	BP-VPB-184-GW-150-1	BN037891.D	25 Sep 2025 16:24		RC/JU	Ok
11	Q3141-07	BP-VPB-184-GW-220-2	BN037892.D	25 Sep 2025 17:01		RC/JU	Ok
12	Q3142-01	RW8-SP100-20250918	BN037893.D	25 Sep 2025 17:38		RC/JU	Ok
13	Q3142-02	RW8-SP303-20250918	BN037894.D	25 Sep 2025 18:15		RC/JU	Ok
14	Q3156-02	RE10-MW01S-2025091	BN037895.D	25 Sep 2025 18:51		RC/JU	Ok
15	Q3156-03	RE131D3-20250918	BN037896.D	25 Sep 2025 19:28		RC/JU	Ok
16	Q3156-04	TT190D1-20250918	BN037897.D	25 Sep 2025 20:05		RC/JU	Ok
17	Q3156-05	RE132D2-20250918	BN037898.D	25 Sep 2025 20:41	Need 2X Dilution	RC/JU	Dilution
18	Q3156-06	RE132D4-20250918	BN037899.D	25 Sep 2025 21:18	Need 2X Dilution	RC/JU	Dilution

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Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN092525

Review By	yogesh	Review On	9/26/2025 4:55:41 AM	
Supervise By	mohammad	Supervise On	9/26/2025 4:58:13 AM	
SubDirectory	BN092525	HP Acquire Method	BNA_N, 8270_HP Processing Method	bn092325

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	Q3156-07	TT189D2-20250918	BN037900.D	25 Sep 2025 21:54	Need 2X Dilution	RC/JU	Dilution
20	SSTDCCC0.4	SSTDCCC0.4EC	BN037901.D	25 Sep 2025 22:31		RC/JU	Ok
21	DFTPP	DFTPP	BN037902.D	25 Sep 2025 23:47		RC/JU	Ok
22	SSTDCCC0.4	SSTDCCC0.4	BN037903.D	26 Sep 2025 00:27		RC/JU	Ok
23	PB169794BL	PB169794BL	BN037904.D	26 Sep 2025 01:03		RC/JU	Ok
24	PB169794BS	PB169794BS	BN037905.D	26 Sep 2025 01:40		RC/JU	Ok
25	PB169794BSD	PB169794BSD	BN037906.D	26 Sep 2025 02:16		RC/JU	Ok
26	Q3156-08	TT149I1-20250918	BN037907.D	26 Sep 2025 02:52		RC/JU	Ok
27	Q3156-09	RE132D3-20250918	BN037908.D	26 Sep 2025 03:29		RC/JU	Ok
28	Q3156-10	TT180D1-20250918	BN037909.D	26 Sep 2025 04:05		RC/JU	Ok
29	Q3156-11	RE132D1-20250918	BN037910.D	26 Sep 2025 04:41		RC/JU	Ok
30	Q3156-12	TT190D2-20250918	BN037911.D	26 Sep 2025 05:18		RC/JU	Ok
31	Q3156-13	EB02-20250918	BN037912.D	26 Sep 2025 05:54		RC/JU	Ok
32	Q3156-14	EB03-20250918	BN037913.D	26 Sep 2025 06:30		RC/JU	Ok
33	Q3156-16	RW9-MW01D1-202509	BN037914.D	26 Sep 2025 07:06		RC/JU	Ok
34	Q3156-17	TT191D2-20250918	BN037915.D	26 Sep 2025 07:43		RC/JU	Ok
35	Q3156-18	RW9-MW01S-2025091	BN037916.D	26 Sep 2025 08:19		RC/JU	Ok
36	Q3156-19	TT191D1-20250918	BN037917.D	26 Sep 2025 08:55		RC/JU	Ok
37	Q3156-20	DUP09-20250918	BN037918.D	26 Sep 2025 09:32		RC/JU	Ok

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Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN092525

Review By	yogesh	Review On	9/26/2025 4:55:41 AM	
Supervise By	mohammad	Supervise On	9/26/2025 4:58:13 AM	
SubDirectory	BN092525	HP Acquire Method	BNA_N, 8270_HP Processing Method	bn092325

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	

38	Q3156-21	RW9-MW01D3-202509	BN037919.D	26 Sep 2025 10:08		RC/JU	Ok
39	Q3156-23	RW9-MW01D2-202509	BN037920.D	26 Sep 2025 10:45		RC/JU	Ok
40	SSTDCCC0.4	SSTDCCC0.4EC	BN037921.D	26 Sep 2025 11:21		RC/JU	Ok

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Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN092925

Review By	rahul	Review On	9/30/2025 8:38:19 AM	
Supervise By	Jagrut	Supervise On	9/30/2025 10:51:24 AM	
SubDirectory	BN092925	HP Acquire Method	BNA_N, 8270_HP Processing Method	bn092325

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	BN037930.D	29 Sep 2025 10:15		RC/JU	Ok
2	SSTDCCC0.4	SSTDCCC0.4	BN037931.D	29 Sep 2025 11:30		RC/JU	Ok
3	PB169839BL	PB169839BL	BN037932.D	29 Sep 2025 12:06		RC/JU	Ok
4	PB169839BS	PB169839BS	BN037933.D	29 Sep 2025 12:43		RC/JU	Ok
5	PB169839BSD	PB169839BSD	BN037934.D	29 Sep 2025 13:19		RC/JU	Ok
6	Q3165-02	VPB184-HYD-2025091	BN037935.D	29 Sep 2025 13:55	Surrogate Fail	RC/JU	Ok
7	Q3165-04	BP-VPB-184-GW-260-2	BN037936.D	29 Sep 2025 14:32		RC/JU	Ok
8	Q3165-07	BP-VPB-184-GW-300-3	BN037937.D	29 Sep 2025 15:08		RC/JU	Ok
9	Q3156-05DL	RE132D2-20250918DL	BN037938.D	29 Sep 2025 16:57		RC/JU	Ok
10	Q3156-06DL	RE132D4-20250918DL	BN037939.D	29 Sep 2025 17:33	Internal standard fail	RC/JU	ReRun
11	Q3156-07DL	TT189D2-20250918DL	BN037940.D	29 Sep 2025 18:09		RC/JU	Ok
12	SSTDCCC0.4	SSTDCCC0.4EC	BN037941.D	29 Sep 2025 18:46		RC/JU	Ok

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Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN093025

Review By	Rahul	Review On	10/1/2025 9:18:26 AM	
Supervise By	Jagrut	Supervise On	10/1/2025 10:56:35 AM	
SubDirectory	BN093025	HP Acquire Method	BNA_N, 8270_HP Processing Method	bn092325

STD. NAME	STD REF.#
Tune/Reschk	SP6875
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	BN037942.D	30 Sep 2025 11:37		RC/JU	Ok
2	SSTDCCC0.4	SSTDCCC0.4	BN037943.D	30 Sep 2025 12:16		RC/JU	Ok
3	PB169886BL	PB169886BL	BN037944.D	30 Sep 2025 12:53		RC/JU	Ok
4	Q3156-06DL	RE132D4-20250918DL	BN037945.D	30 Sep 2025 13:29		RC/JU	Ok
5	SP6873	SP6873	BN037946.D	30 Sep 2025 14:06		RC/JU	Ok
6	Q3193-01	RW10-MW01D-202509	BN037947.D	30 Sep 2025 14:42		RC/JU	Ok
7	Q3193-02MS	RW10-MW01D-202509	BN037948.D	30 Sep 2025 16:33		RC/JU	Ok
8	Q3193-03MSD	RW10-MW01D-202509	BN037949.D	30 Sep 2025 17:09		RC/JU	Ok
9	Q3193-04	TT149S1-20250922	BN037950.D	30 Sep 2025 17:46		RC/JU	Ok
10	Q3193-05	RE137-20250922	BN037951.D	30 Sep 2025 18:22		RC/JU	Ok
11	Q3193-06	RW4-20250922	BN037952.D	30 Sep 2025 18:59		RC/JU	Ok
12	Q3193-07	GM38-RW3-MW1-2025	BN037953.D	30 Sep 2025 19:35		RC/JU	Ok
13	Q3193-08	TT20551-20250923	BN037954.D	30 Sep 2025 20:12		RC/JU	Ok
14	Q3193-09	RW10A-MW01I-202509	BN037955.D	30 Sep 2025 20:48		RC/JU	Ok
15	Q3193-10	RW8-MW01S-2025092	BN037956.D	30 Sep 2025 21:25		RC/JU	Ok
16	Q3193-11	TT172S1-20250923	BN037957.D	30 Sep 2025 22:01		RC/JU	Ok
17	PB169886BS	PB169886BS	BN037958.D	30 Sep 2025 22:37		RC/JU	Ok
18	SSTDCCC0.4	SSTDCCC0.4EC	BN037959.D	30 Sep 2025 23:14		RC/JU	Ok

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Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN093025

Review By	Rahul	Review On	10/1/2025 9:18:26 AM	
Supervise By	Jagrut	Supervise On	10/1/2025 10:56:35 AM	
SubDirectory	BN093025	HP Acquire Method	BNA_N, 8270_HP Processing Method	bn092325

STD. NAME	STD REF.#
Tune/Reschk	SP6875
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	DFTPP	DFTPP	BN037960.D	01 Oct 2025 00:30		RC/JU	Ok
20	SSTDCCC0.4	SSTDCCC0.4	BN037961.D	01 Oct 2025 01:10		RC/JU	Ok
21	PB169886BL	PB169886BL	BN037962.D	01 Oct 2025 01:46		RC/JU	Ok
22	Q3193-12	DUP12-20250923	BN037963.D	01 Oct 2025 02:23		RC/JU	Ok
23	Q3193-13	RW10A-MW01S-20250	BN037964.D	01 Oct 2025 02:59		RC/JU	Ok
24	Q3193-14	RW8-MW01D1-202509	BN037965.D	01 Oct 2025 03:35		RC/JU	Ok
25	Q3193-15	DUP11-20250923	BN037966.D	01 Oct 2025 04:12		RC/JU	Ok
26	Q3193-16	TT161S1-20250923	BN037967.D	01 Oct 2025 04:48		RC/JU	Ok
27	Q3193-17	RE103D1-20250923	BN037968.D	01 Oct 2025 05:24		RC/JU	Ok
28	Q3193-18	MW203D-20250923	BN037969.D	01 Oct 2025 06:00		RC/JU	Ok
29	Q3193-19	EB04-20250923	BN037970.D	01 Oct 2025 06:36		RC/JU	Ok
30	Q3193-20	TT174I1-20250924	BN037971.D	01 Oct 2025 07:13		RC/JU	Ok
31	Q3193-21	TT162S1-20250924	BN037972.D	01 Oct 2025 07:49		RC/JU	Ok
32	Q3193-22	RE120D3-20250924	BN037973.D	01 Oct 2025 08:25		RC/JU	Ok
33	SSTDCCC0.4	SSTDCCC0.4EC	BN037974.D	01 Oct 2025 09:24		RC/JU	Ok

M : Manual Integration

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EXTRACTION LOGPAGE

PB169794

SOP ID:	M3510C,3580A-Extraction SVOC-21				
Clean Up SOP #:	N/A			**Extraction Start Date :**	09/23/2025
Matrix :	Water			**Extraction Start Time :**	09:15
Weigh By:	N/A	**Extraction By:**	RJ	**Extraction End Date :**	09/23/2025
Balance check:	N/A	**Filter By:**	RJ	**Extraction End Time :**	14:30
Balance ID:	N/A	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	E3953	**Hood ID:**	4,6,7	**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	SP6870
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	E3973
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
9/23/25	RJ (EXT-LAB)	RC/SVOC
14:35	**Preparation Group**	**Analysis Group**

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EXTRACTION LOGPAGE

PrepBatch ID : PB169794

Analytical Method: M3510C,3580A-Extraction SVOC-21

Concentration Date: 09/23/2025

Sample ID	Client Sample ID	Test	g /(mL)	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB169794BL	SBLK794	SVOC-SIMGroup1	1000	6	ritesh	Evelyn	1			SEP-1
PB169794BS	SLCS794	SVOC-SIMGroup1	1000	6	ritesh	Evelyn	1			2
PB169794BSD	SLCSD794	SVOC-SIMGroup1	1000	6	ritesh	Evelyn	1			3
Q3156-02	RE10-MW01S-20250918	SVOC-SIMGroup1	970	6	ritesh	Evelyn	1	C		4
Q3156-03	RE131D3-20250918	SVOC-SIMGroup1	980	6	ritesh	Evelyn	1	C		5
Q3156-04	TT190D1-20250918	SVOC-SIMGroup1	1000	6	ritesh	Evelyn	1	C		6
Q3156-05	RE132D2-20250918	SVOC-SIMGroup1	1000	6	ritesh	Evelyn	1	C		7
Q3156-06	RE132D4-20250918	SVOC-SIMGroup1	1000	6	ritesh	Evelyn	1	C		8
Q3156-07	TT189D2-20250918	SVOC-SIMGroup1	1000	6	ritesh	Evelyn	1	C		9
Q3156-08	TT149I1-20250918	SVOC-SIMGroup1	1000	6	ritesh	Evelyn	1	C		10
Q3156-09	RE132D3-20250918	SVOC-SIMGroup1	1000	6	ritesh	Evelyn	1	C		11
Q3156-10	TT180D1-20250918	SVOC-SIMGroup1	1000	6	ritesh	Evelyn	1	C		12
Q3156-11	RE132D1-20250918	SVOC-SIMGroup1	1000	6	ritesh	Evelyn	1	C		13
Q3156-12	TT190D2-20250918	SVOC-SIMGroup1	1000	6	ritesh	Evelyn	1	C		14
Q3156-13	EB02-20250918	SVOC-SIMGroup1	980	6	ritesh	Evelyn	1	C		15
Q3156-14	EB03-20250918	SVOC-SIMGroup1	990	6	ritesh	Evelyn	1	C		16
Q3156-16	RW9-MW01D1-20250919	SVOC-SIMGroup1	1000	6	ritesh	Evelyn	1	C		SEP-1
Q3156-17	TT191D2-20250918	SVOC-SIMGroup1	1000	6	ritesh	Evelyn	1	C		2
Q3156-18	RW9-MW01S-20250918	SVOC-SIMGroup1	990	6	ritesh	Evelyn	1	C		3
Q3156-19	TT191D1-20250918	SVOC-SIMGroup1	1000	6	ritesh	Evelyn	1	C		4
Q3156-20	DUP09-20250918	SVOC-SIMGroup1	1000	6	ritesh	Evelyn	1	C		5
Q3156-21	RW9-MW01D3-20250918	SVOC-SIMGroup1	1000	6	ritesh	Evelyn	1	C		6
Q3156-23	RW9-MW01D2-20250919	SVOC-SIMGroup1	1000	6	ritesh	Evelyn	1	C		7

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

RJ 9/23

Q3156-SVOC-SIMGroup1

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3156 **WorkList ID :** 192019 **Department :** Extraction **Date :** 09-23-2025 08:39:58

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3156-02	RE10-MW01S-20250918	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	A13	09/18/2025	8270-Modified
Q3156-03	RE131D3-20250918	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	A13	09/18/2025	8270-Modified
Q3156-04	TT190D1-20250918	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	A13	09/18/2025	8270-Modified
Q3156-05	RE132D2-20250918	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	A13	09/18/2025	8270-Modified
Q3156-06	RE132D4-20250918	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	A13	09/18/2025	8270-Modified
Q3156-07	TT189D2-20250918	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	A13	09/18/2025	8270-Modified
Q3156-08	TT149I1-20250918	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	A13	09/18/2025	8270-Modified
Q3156-09	RE132D3-20250918	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	A13	09/18/2025	8270-Modified
Q3156-10	TT180D1-20250918	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	A13	09/18/2025	8270-Modified
Q3156-11	RE132D1-20250918	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	A13	09/18/2025	8270-Modified
Q3156-12	TT190D2-20250918	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	A13	09/18/2025	8270-Modified
Q3156-13	EB02-20250918	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	A13	09/18/2025	8270-Modified
Q3156-14	EB03-20250918	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	A13	09/18/2025	8270-Modified
Q3156-16	RW9-MW01D1-20250919	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	A13	09/19/2025	8270-Modified
Q3156-17	TT191D2-20250918	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	A13	09/19/2025	8270-Modified
Q3156-18	RW9-MW01S-20250918	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	A13	09/19/2025	8270-Modified
Q3156-19	TT191D1-20250918	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	A13	09/19/2025	8270-Modified
Q3156-20	DUP09-20250918	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	A13	09/19/2025	8270-Modified
Q3156-21	RW9-MW01D3-20250918	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	A13	09/19/2025	8270-Modified
Q3156-23	RW9-MW01D2-20250919	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	A13	09/19/2025	8270-Modified

Date/Time 9/23/25 9:10
Raw Sample Received by: RJ (EA-Calb)
Raw Sample Relinquished by: SM

Date/Time 9/23/25 9:45
Raw Sample Received by: SM
Raw Sample Relinquished by: RJ (EA-Calb)

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Prep Standard - Chemical Standard Summary

Order ID : Q3156

Test : SVOC-SIMGroup1

Prepbatch ID : PB169794,

Sequence ID/Qc Batch ID: BN092525,BN092925,BN093025,

Standard ID :
EP2609,EP2610,EP2639,SP6757,SP6830,SP6841,SP6842,SP6843,SP6844,SP6845,SP6846,SP6847,SP6848,SP6853,SP6854,SP6855,SP6870,SP6875,

Chemical ID :
1ul/100ul sample,E3657,E3875,E3904,E3932,E3942,E3943,E3965,E3973,M6157,S10105,S11073,S11496,S11652,S11807,S11828,S12115,S12197,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
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

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3361	8270-SIM MDL-5PPM CALIBRATION SOLUTION	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

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

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3344	8270-SIM MDL-1.6PPM CALIBRATION SOLUTION	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

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

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3343	8270-SIM MDL-0.4PPM CALIBRATION SOLUTION	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

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

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3346	8270-SIM MDL-0.1PPM CALIBRATION SOLUTION	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

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

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3356	8270-SIM MDL-0.4PPM CALIBRATION SOL ICV-2ND SOURCE	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

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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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3491	8270-SIM-Surrogate 0.4 PPM	SP6870	09/16/2025	12/09/2025	Jagrut Upadhyay	None	None	Rahul Chavli 09/16/2025

FROM 0.00400ml of S12197 + 0.00800ml of S12220 + 0.02000ml of S11828 + 99.96800ml of E3965 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3895	50 ug/ml DFTPP 8270E	SP6875	09/30/2025	03/30/2026	Rahul Chavli	None	None	Jagrut Upadhyay 09/30/2025

FROM 1.00000ml of S12577 + 19.00000ml of E3973 = Final Quantity: 20.000 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 / RUPESH	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-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25A2862010	12/13/2025	06/13/2025 / Rajesh	02/28/2025 / Rajesh	E3942

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

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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-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	05/24/2027	08/22/2025 / RUPESH	08/20/2025 / RUPESH	E3965

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	01/02/2026	07/02/2025 / Jagrut	03/15/2024 / Rahul	S12197

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

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CHEMICAL RECEIPT LOG BOOK

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

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

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	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

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-112090-04	440246	≤ -10 °C	Methylene Chloride	2/16/2026	CLP Acid Surrogate Solution, 7,500 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
2-chlorophenol-d_4	93951-73-6	99.3	248.12.7P	7487 ± 17.2
2-fluorophenol	367-12-4	99.8	10.7.3.3P	7513 ± 17.26
phenol-d6	13127-88-3	99.9	949.120.8P	7481 ± 17.19
2,4,6-tribromophenol	118-79-6	99.8	12.1.6P	7469 ± 17.17

Received on
02/25/21
by
CG

S9236
to
S9240

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: Erica Castiglione
Erica Castiglione
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

RESTEK®
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received on 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)

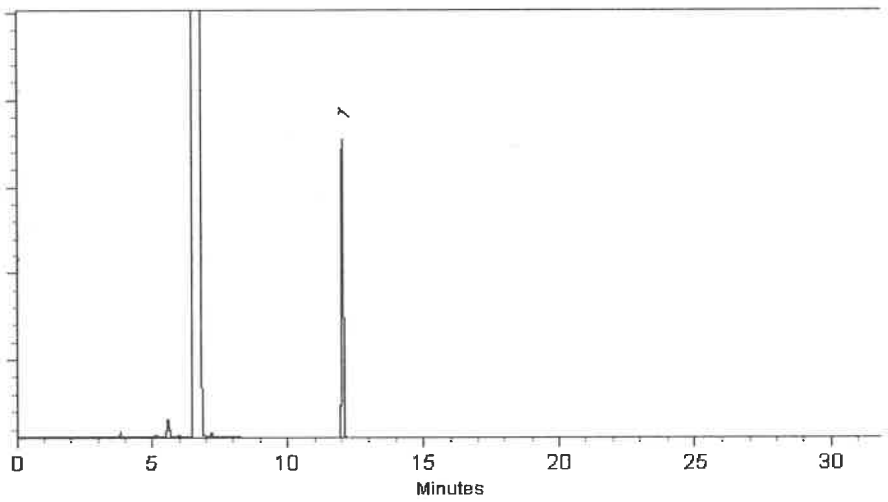
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

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

Rec on 8/20/25

E3965

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

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

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

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

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

J Croak

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

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(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110094-02	506889	≤ -10 °C	Methylene Chloride	7/25/2028	CLP Base/Neutral Surrogate Solution, 5,000 mg/L, 1 ml

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2-dichlorobenzene-d_4	2199-69-1	99.7	247.29.3P	5035 ± 28.02
2-fluorobiphenyl	321-60-8	99.69	8.286.1.1P	4999 ± 103.66
nitrobenzene-d5	4165-60-0	99.67	7.9.3P	4988 ± 27.32
p-terphenyl-d14	1718-51-0	99.3	9.120.8P	5005 ± 27.85

511494 to 511498 } Y.P. 08/11/2023

*Not a certified value

Certified By: _____

Clint Tipton
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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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.)

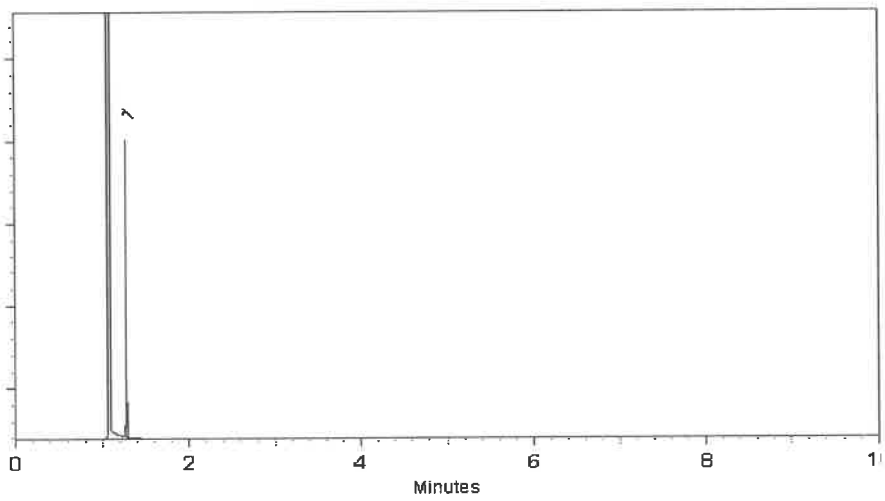
Inj. Temp:
250°C

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.

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 33913 **Lot No.:** A0201976

Description : SOM01.0 SIM Analysis Standard

SOM01.0 SIM Analysis Standard 2000µg/mL, Methylene chloride, 1mL /ampul

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.)

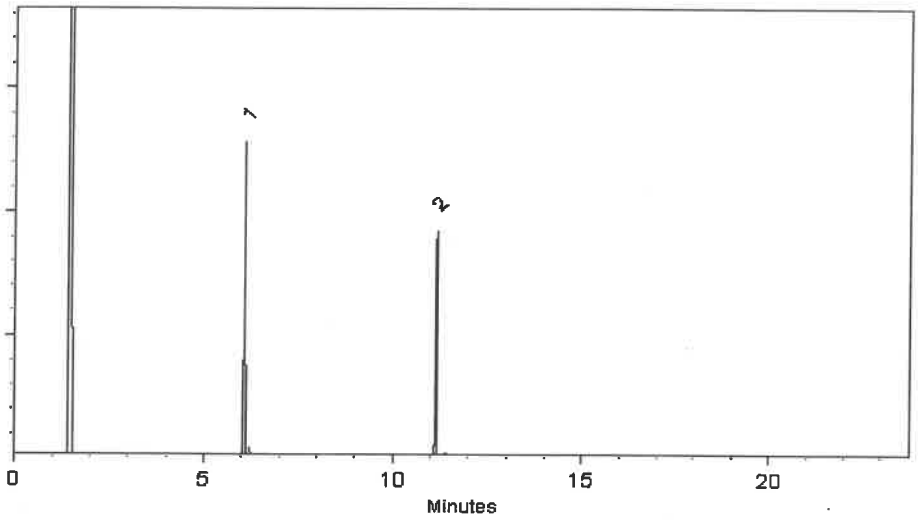
Inj. Temp:
250°C

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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Santa Rosa, CA 95403

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by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-020223-01	454157	≤ -10 °C	P/T Methanol	6/10/2026	1,4-Dioxane Solution, 2000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,4-dioxane	123-91-1	100	223.1.3P	1997 ± 57.08

S12112 ↓ S12116 } RC/ 03/08/24

*Not a certified value

Certified By: Melissa Workoff

Melissa Workoff
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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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. : 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.)

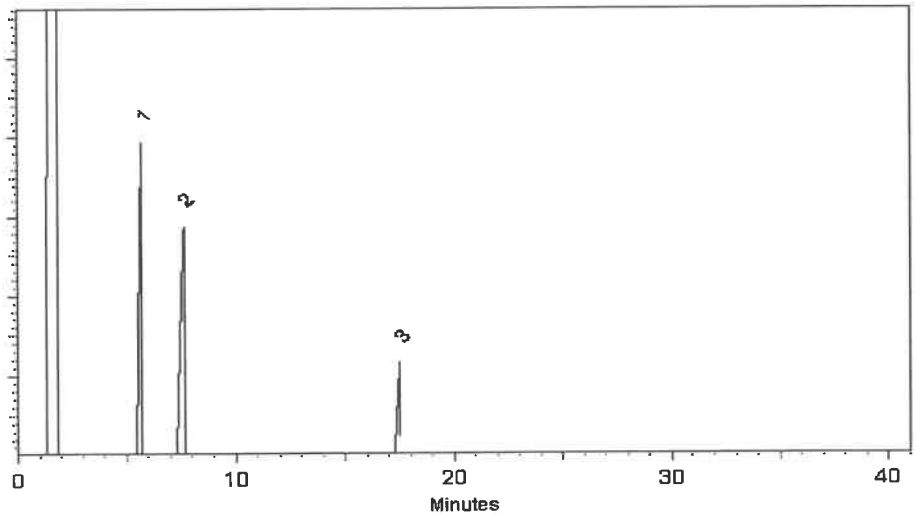
Inj. Temp:
250°C

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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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.)

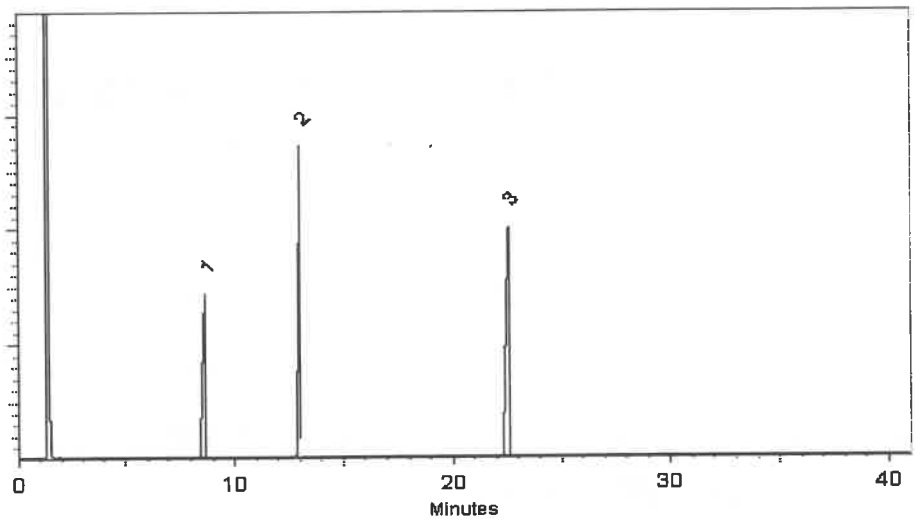
Inj. Temp:
250°C

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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by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110381-01	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

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
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

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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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.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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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. : 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.)

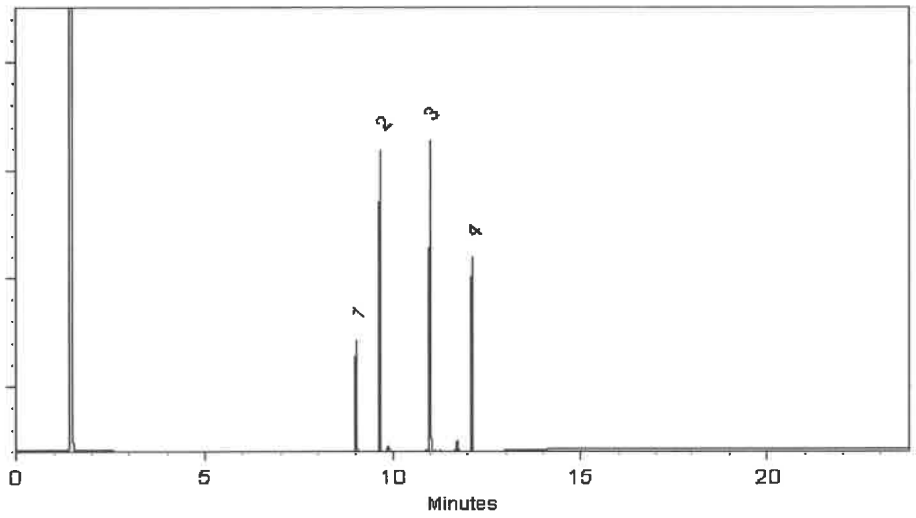
Inj. Temp:
250°C

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

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

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Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
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. : 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

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
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Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

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

S12963 ↓ S12992 AC 12/17/24

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

513057 ↓ 513061 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
www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q3156
COC Number 2045267

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Resolution Consultants
ADDRESS:
CITY STATE: ZIP:
ATTENTION: Eleanor Vivaudou
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: NWIRP Bethpage
PROJECT NO.: 60731872 LOCATION: Bethpage, NY
PROJECT MANAGER: Eleanor Vivaudou
e-mail: eleanor.vivaudou@aecom.com
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: Eleanor Vivaudou 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 & 260 2: 1,4 dioxane 8260 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 1 (A)	2 (F)	3	4	5	6	7	8	9	COMMENTS
1.	RE135D3-20250918	GW		X	9/18	1045	3	2	1								x
2.	RW10-MW01S-20250918	GW		X	9/18	1250	3	2	1								
3.	RE131D3-20250918	GW		X	9/18	0930	3	2	1								
4.	TT190D1-20250918	GW		X	9/18	1225	3	2	1								
5.	RE132D2-20250918	GW		X	9/18	1155	3	2	1								
6.	RE132D4-20250918	GW		X	9/18	0950	3	2	1								
7.	TT189D2-20250918	GW		X	9/18	0945	3	2	1								
8.	TT149I1-20250918	GW		X	9/18	1235	3	2	1								
9.	RE132D3-20250918	GW		X	9/18	1000	3	2	1								
10.	TT180D1-20250918	GW		X	9/18	1000	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. Josh Lowton	9-19-25 1310	1. 9-19-25 1316
2.		2.
3.	9-19-25 1835	3.

Conditions of bottles or coolers at receipt: ❑ COMPLIANT ❑ NON COMPLIANT ❑ COOLER TEMP 1.8 °C
Comments:

Page 1 of 3

CLIENT: ❑ Hand Delivered ❑ Other

Shipment Complete ❑ YES ❑ NO

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 · Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q3156
COC Number 2045034

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Resolution Consultants
ADDRESS:
CITY STATE: ZIP:
ATTENTION: Eleanor Vivaudou
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: NWIRP Bethpage
PROJECT NO.: 60731872 LOCATION: Bethpage NY
PROJECT MANAGER: Eleanor Vivaudou
e-mail: eleanor.vivaudou@aecom.com
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: Eleanor Vivaudou 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 8270 SIM
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.	RE132D1-20250918	GW		X	9/18	1230	3	2	1								
2.	TT190D2-20250918	GW		X	9/18	1210	3	2	1								
3.	EB02-20250918	Aq		X	9/18	1412	3	2	1								Equipment Blank
4.	EB03-20250918	Aq		X	9/18	1420	3	2	1								Equipment Blank
5.	TB08-20250912	Aq			9/12	N/A	2	2									QA/QC TB's
6.	RW9-MW01D1-20250919	GW		X	9/19	0940	3	2	1								
7.	TT191D2-20250919	GW		X	9/19	1000	3	2	1								
8.	RW9-MW01S-20250919	GW		X	9/19	0945	3	2	1								
9.	TT191D1-20250919	GW		X	9/19	1005	3	2	1								
10.	DUP09-20250919	GW		X	9/19	1115	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. Josh Lowton	9-19-25 1310	1.	9-19-25 1310
2.		2.	
3.	9-19-25 1835	3.	

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 1.8 °C
Comments:

Page 2 of 3

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

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ALLIANCE PROJECT NO.
QUOTE NO. Q3156
COC Number 2045033

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Resolution Consultants
ADDRESS:
CITY STATE: ZIP:
ATTENTION: Eleanor Vivaudou
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: NWIRP Bethpage
PROJECT NO.: 60731872 LOCATION: Bethpage, NY
PROJECT MANAGER: Eleanor Vivaudou
e-mail: eleanor.vivaudou@aecom.com
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: Eleanor Vivaudou 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 1	2	3	4	5	6	7	8	9	COMMENTS
								A	F								← Specify Preservatives: A-HCl, B-HNO3, C-H2SO4, D-NaOH, E-ICE, F-OTHER
1.	RW9-MW01D3-20250919	GW		X	9/19	1130	3	2	1								
2.	TT180D1-20250919	GW		X	9/19	1145	3	2	1								*
3.	RW9-MW01D2-20250919	GW		X	9/19	1135	3	2	1								
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	DATE/TIME:
1. Josh Lawton	9-19-25 1310	1.	9-19-25 1310
2.		2.	
3.	9.19.25 1835	3.	

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 1.8 °C
Comments:

Page 3 of 3

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
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

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Fax : 908 789 8922

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3156 AECO15
Client Name : AECOM Technical Service
Client Contact : Eleanor Vivadou
Invoice Name : AECOM Technical Service
Invoice Contact : Eleanor Vivadou

Order Date : 9/19/2025 1:29:00 PM
Project Name : NAVFAC NWIRP Bethpag
Receive DateTime : 9/19/2025 6:35:00 PM
Purchase Order :

Project Mgr :
Report Type : ~~Results Only~~ NYS ASP B
EDD Type : EQUIS
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3156-02	RE10-MW01S-20250918	Water	09/18/2025	12:50					
					VOCMS Group1		8260-Low		10 Bus. Days
Q3156-03	RE131D3-20250918	Water	09/18/2025	09:30					
					VOCMS Group1		8260-Low		10 Bus. Days
Q3156-04	TT190D1-20250918	Water	09/18/2025	12:25					
					VOCMS Group1		8260-Low		10 Bus. Days
Q3156-05	RE132D2-20250918	Water	09/18/2025	11:55					
					VOCMS Group1		8260-Low		10 Bus. Days
Q3156-06	RE132D4-20250918	Water	09/18/2025	09:50					
					VOCMS Group1		8260-Low		10 Bus. Days
Q3156-07	TT189D2-20250918	Water	09/18/2025	09:45					
					VOCMS Group1		8260-Low		10 Bus. Days
Q3156-08	TT149I1-20250918	Water	09/18/2025	12:35					
					VOCMS Group1		8260-Low		10 Bus. Days
Q3156-09	RE132D3-20250918	Water	09/18/2025	10:00					

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EDD Type : EQUIS
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
					VOCMS Group1		8260-Low	10 Bus. Days	
Q3156-10	TT180D1-20250918	Water	09/18/2025	10:00					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q3156-11	RE132D1-20250918	Water	09/18/2025	12:30					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q3156-12	TT190D2-20250918	Water	09/18/2025	12:10					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q3156-13	EB02-20250918	Water	09/18/2025	14:12					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q3156-14	EB03-20250918	Water	09/18/2025	14:20					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q3156-15	TB03-20250912	Water	09/12/2025	00:00					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q3156-16	RW9-MW01D1-20250919	Water	09/19/2025	09:40					
					VOCMS Group1		8260-Low	10 Bus. Days	

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Report Type : ~~Results Only~~ NYS ASP B
EDD Type : EQUIS
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3156-17	TT191D2-20250918	Water	09/19/2025	10:00					
					VOCMS Group1		8260-Low		10 Bus. Days
Q3156-18	RW9-MW01S-20250918	Water	09/19/2025	09:45					
					VOCMS Group1		8260-Low		10 Bus. Days
Q3156-19	TT191D1-20250918	Water	09/19/2025	10:05					
					VOCMS Group1		8260-Low		10 Bus. Days
Q3156-20	DUP09-20250918	Water	09/19/2025	11:15					
					VOCMS Group1		8260-Low		10 Bus. Days
Q3156-21	RW9-MW01D3-20250918	Water	09/19/2025	11:30					
					VOCMS Group1		8260-Low		10 Bus. Days
Q3156-23	RW9-MW01D2-20250919	Water	09/19/2025	11:35					
					VOCMS Group1		8260-Low		10 Bus. Days

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Project Name : NAVFAC NWIRP Bethpag
Receive DateTime : 9/19/2025 6:35:00 PM
Purchase Order :

Project Mgr :
Report Type : ~~Results Only~~ NYS ASP B
EDD Type : EQUIS
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES

Relinguished By : AP
Date / Time : 9/22/25 1131

Received By : [signature]
Date / Time : 9/22/25 1131
Storage Area : VOA Refridgerator Room