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

DATA PACKAGE

SEMI-VOLATILE ORGANICS

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

AECOM TECHNICAL SERVICES, INC.

13640 Briarwick Drive

Austin, TX - 78729

Phone No: 512-454-4797

ORDER ID : Q3193

ATTENTION : Eleanor Vivadou

Laboratory Certification ID # 20012

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Cover Page

Order ID : Q3193

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

Client : AECOM Technical Services, Inc.

Lab Sample Number	Client Sample Number
Q3193-01	RW10-MW01D-20250923
Q3193-02	RW10-MW01D-20250923MS
Q3193-03	RW10-MW01D-20250923MSD
Q3193-04	TT149S1-20250922
Q3193-05	RE137-20250922
Q3193-06	RW4-20250922
Q3193-07	GM38-RW3-MW1-20250922
Q3193-08	TT20551-20250923 RW10A-
Q3193-09	MW01I-20250923 RW8-
Q3193-10	MW01S-20250923
Q3193-11	TT172S1-20250923
Q3193-12	DUP12-20250923 RW10A-
Q3193-13	MW01S-20250923 RW8-
Q3193-14	MW01D1-20250923
Q3193-15	DUP11-20250923
Q3193-16	TT161S1-20250923
Q3193-17	RE103D1-20250923
Q3193-18	MW203D-20250923
Q3193-19	EB04-20250923
Q3193-20	TT174I1-20250924
Q3193-21	TT162S1-20250924
Q3193-22	RE120D3-20250924

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

Signature : ______________________

Date: 10/6/2025

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 # Q3193
Test Name: SVOC-SIMGroup1

A. Number of Samples and Date of Receipt:
22 Water samples were received on 09/24/2025.

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,
RW10-MW01D-20250923 [Terphenyl-d14 - 136%].Failed surrogate is not associated with DOD, Therefor no further corrective action was taken.

The Internal Standards Areas were met for all analysis.
The Retention Times were met for all analysis.
The MS recoveries met the requirements for all compounds.
The MSD recoveries met the requirements for all compounds.
The RPD were met for all analysis.
The Blank Spike met requirements for all compounds.
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements.
The Continuous Calibration met the requirements.
The Tuning criteria met requirements.

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

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The Sample RW10A-MW01I-20250923 has the concentration of target compound below Method detection limit; therefore it is not reported as Hit in Form1.

F. Manual Integration Comments:

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

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

Signature___________________________

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DATA REPORTING QUALIFIERS- ORGANIC

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

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

QA Control # A3040960

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

ORDER ID: Q3193 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, RW10-MW01D-20250923 [Terphenyl-d14 - 136%].Failed surrogate is not associated with DOD, Therefor no further corrective action was taken.		✓	
8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range. The Blank Spike met requirements for all compounds.			✓

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

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

		NA	NO	YES
9.	Internal Standard Area/Retention Time Shift Meet Criteria			✓
	Comments:			
10.	Extraction Holding Time Met			✓
	If not met, list number of days exceeded for each sample:			
11.	Analysis Holding Time Met			✓
	If not met, list number of days exceeded for each sample:			

ADDITIONAL COMMENTS:

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

The Sample RW10A-MW01I-20250923 has the concentration of target compound below Method detection limit; therefore it is not reported as Hit in Form1.

QA REVIEW ____________________ Date ____________________

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **Q3193**

	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: 10/06/2025

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

LAB CHRONICLE

OrderID:	Q3193	**OrderDate:**	9/25/2025 9:02:00 AM
Client:	AECOM Technical Services, Inc.	**Project:**	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258
Contact:	Eleanor Vivadou	**Location:**	A12,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3193-01	**RW10-MW01D-20250923**	**Water**			**09/23/25**			**09/24/25**
			SVOC-SIMGroup1	8270-Modified		09/29/25	09/30/25	
Q3193-04	**TT149S1-20250922**	**Water**			**09/22/25**			**09/24/25**
			SVOC-SIMGroup1	8270-Modified		09/29/25	09/30/25	
Q3193-05	**RE137-20250922**	**Water**			**09/22/25**			**09/24/25**
			SVOC-SIMGroup1	8270-Modified		09/29/25	09/30/25	
Q3193-06	**RW4-20250922**	**Water**			**09/22/25**			**09/24/25**
			SVOC-SIMGroup1	8270-Modified		09/29/25	09/30/25	
Q3193-07	**GM38-RW3-MW1-20250922**	**Water**			**09/22/25**			**09/24/25**
			SVOC-SIMGroup1	8270-Modified		09/29/25	09/30/25	
Q3193-08	**TT20551-20250923**	**Water**			**09/23/25**			**09/24/25**
			SVOC-SIMGroup1	8270-Modified		09/29/25	09/30/25	
Q3193-09	**RW10A-MW01I-20250923**	**Water**			**09/23/25**			**09/24/25**
			SVOC-SIMGroup1	8270-Modified		09/29/25	09/30/25	
Q3193-10	**RW8-MW01S-20250923**	**Water**			**09/23/25**			**09/24/25**
			SVOC-SIMGroup1	8270-Modified		09/29/25	09/30/25	
Q3193-11	**TT172S1-20250923**	**Water**			**09/23/25**			**09/24/25**
			SVOC-SIMGroup1	8270-Modified		09/29/25	09/30/25	
Q3193-12	**DUP12-20250923**	**Water**			**09/23/25**			**09/24/25**
			SVOC-SIMGroup1	8270-Modified		09/29/25	10/01/25	

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LAB CHRONICLE

Q3193-13	**RW10A-MW01S-20250923**	**Water**			**09/23/25**			**09/24/25**
			SVOC-SIMGroup1	8270-Modified		09/29/25	10/01/25	
Q3193-14	**RW8-MW01D1-20250923**	**Water**			**09/23/25**			**09/24/25**
			SVOC-SIMGroup1	8270-Modified		09/29/25	10/01/25	
Q3193-15	**DUP11-20250923**	**Water**			**09/23/25**			**09/24/25**
			SVOC-SIMGroup1	8270-Modified		09/29/25	10/01/25	
Q3193-16	**TT161S1-20250923**	**Water**			**09/23/25**			**09/24/25**
			SVOC-SIMGroup1	8270-Modified		09/29/25	10/01/25	
Q3193-17	**RE103D1-20250923**	**Water**			**09/23/25**			**09/24/25**
			SVOC-SIMGroup1	8270-Modified		09/29/25	10/01/25	
Q3193-18	**MW203D-20250923**	**Water**			**09/23/25**			**09/24/25**
			SVOC-SIMGroup1	8270-Modified		09/29/25	10/01/25	
Q3193-19	**EB04-20250923**	**Water**			**09/23/25**			**09/24/25**
			SVOC-SIMGroup1	8270-Modified		09/29/25	10/01/25	
Q3193-20	**TT174I1-20250924**	**Water**			**09/24/25**			**09/24/25**
			SVOC-SIMGroup1	8270-Modified		09/29/25	10/01/25	
Q3193-21	**TT162S1-20250924**	**Water**			**09/24/25**			**09/24/25**
			SVOC-SIMGroup1	8270-Modified		09/29/25	10/01/25	
Q3193-22	**RE120D3-20250924**	**Water**			**09/24/25**			**09/24/25**
			SVOC-SIMGroup1	8270-Modified		09/29/25	10/01/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3193

Client: AECOM Technical Services, Inc.

Sample ID	Client ID		Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID :	**TT149S1-20250922**								
Q3193-04	TT149S1-20250922	WATER	1,4-Dioxane	0.180	J	0.07	0.2	0.2	ug/L
			Total Svoc :	**0.18**					
			Total Concentration:	**0.18**					
Client ID :	**RE137-20250922**								
Q3193-05	RE137-20250922	WATER	1,4-Dioxane	4.400		0.07	0.2	0.2	ug/L
			Total Svoc :	**4.40**					
			Total Concentration:	**4.40**					
Client ID :	**RW4-20250922**								
Q3193-06	RW4-20250922	WATER	1,4-Dioxane	3.200		0.07	0.2	0.2	ug/L
			Total Svoc :	**3.20**					
			Total Concentration:	**3.20**					
Client ID :	**GM38-RW3-MW1-20250922**								
Q3193-07	GM38-RW3-MW1-2025(	WATER	1,4-Dioxane	1.800		0.07	0.2	0.2	ug/L
			Total Svoc :	**1.80**					
			Total Concentration:	**1.80**					
Client ID :	**TT20551-20250923**								
Q3193-08	TT20551-20250923	WATER	1,4-Dioxane	0.310		0.07	0.21	0.21	ug/L
			Total Svoc :	**0.31**					
			Total Concentration:	**0.31**					
Client ID :	**RW8-MW01S-20250923**								
Q3193-10	RW8-MW01S-20250923	WATER	1,4-Dioxane	0.500		0.07	0.2	0.2	ug/L
			Total Svoc :	**0.50**					
			Total Concentration:	**0.50**					
Client ID :	**TT172S1-20250923**								
Q3193-11	TT172S1-20250923	WATER	1,4-Dioxane	1.200		0.07	0.2	0.2	ug/L
			Total Svoc :	**1.20**					
			Total Concentration:	**1.20**					
Client ID :	**DUP12-20250923**								
Q3193-12	DUP12-20250923	WATER	1,4-Dioxane	0.140	J	0.07	0.2	0.2	ug/L
			Total Svoc :	**0.14**					
			Total Concentration:	**0.14**					
Client ID :	**RW10A-MW01S-20250923**								
Q3193-13	RW10A-MW01S-202509	WATER	1,4-Dioxane	0.080	J	0.07	0.2	0.2	ug/L
			Total Svoc :	**0.08**					

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Hit Summary Sheet
SW-846

SDG No.: Q3193

Client: AECOM Technical Services, Inc.

Sample ID	Client ID		Parameter	Concentration	C	MDL	LOD	RDL	Units
			Total Concentration:	**0.08**					
Client ID :	**RW8-MW01D1-20250923**								
Q3193-14	RW8-MW01D1-2025092	WATER	1,4-Dioxane	0.070	J	0.07	0.2	0.2	ug/L
			Total Svoc :	**0.07**					
			Total Concentration:	**0.07**					
Client ID :	**DUP11-20250923**								
Q3193-15	DUP11-20250923	WATER	1,4-Dioxane	0.510		0.07	0.2	0.2	ug/L
			Total Svoc :	**0.51**					
			Total Concentration:	**0.51**					
Client ID :	**TT161S1-20250923**								
Q3193-16	TT161S1-20250923	WATER	1,4-Dioxane	0.200	J	0.07	0.21	0.21	ug/L
			Total Svoc :	**0.20**					
			Total Concentration:	**0.20**					
Client ID :	**RE103D1-20250923**								
Q3193-17	RE103D1-20250923	WATER	1,4-Dioxane	4.900		0.07	0.2	0.2	ug/L
			Total Svoc :	**4.90**					
			Total Concentration:	**4.90**					
Client ID :	**MW203D-20250923**								
Q3193-18	MW203D-20250923	WATER	1,4-Dioxane	0.150	J	0.07	0.2	0.2	ug/L
			Total Svoc :	**0.15**					
			Total Concentration:	**0.15**					
Client ID :	**EB04-20250923**								
Q3193-19	EB04-20250923	WATER	1,4-Dioxane	0.100	J	0.07	0.2	0.2	ug/L
			Total Svoc :	**0.10**					
			Total Concentration:	**0.10**					
Client ID :	**TT174I1-20250924**								
Q3193-20	TT174I1-20250924	WATER	1,4-Dioxane	0.510		0.07	0.2	0.2	ug/L
			Total Svoc :	**0.51**					
			Total Concentration:	**0.51**					
Client ID :	**TT162S1-20250924**								
Q3193-21	TT162S1-20250924	WATER	1,4-Dioxane	0.290		0.07	0.2	0.2	ug/L
			Total Svoc :	**0.29**					
			Total Concentration:	**0.29**					
Client ID :	**RE120D3-20250924**								
Q3193-22	RE120D3-20250924	WATER	1,4-Dioxane	0.130	J	0.07	0.2	0.2	ug/L
			Total Svoc :	**0.13**					

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Hit Summary Sheet
SW-846

SDG No.: Q3193

Client: AECOM Technical Services, Inc.

Sample ID	Client ID	Parameter	Concentration	C	MDL	LOD	RDL	Units
		Total Concentration:	**0.13**					

QC SUMMARY

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Surrogate Summary

SW-846

SDG No.: Q3193

Client: AECOM Technical Services, Inc.

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	High
PB169886BL	PB169886BL	2-Methylnaphthalene-d10	0.4	0.34	84		30	150
		Fluoranthene-d10	0.4	0.36	90		30	150
		Nitrobenzene-d5	0.4	0.36	90		55	111
		2-Fluorobiphenyl	0.4	0.37	93		53	106
		Terphenyl-d14	0.4	0.41	103		58	132
PB169886BS	PB169886BS	2-Methylnaphthalene-d10	0.4	0.37	93		30	150
		Fluoranthene-d10	0.4	0.33	83		30	150
		Nitrobenzene-d5	0.4	0.36	90		55	111
		2-Fluorobiphenyl	0.4	0.37	92		53	106
		Terphenyl-d14	0.4	0.40	100		58	132
Q3193-01	RW10-MW01D-20250923	2-Methylnaphthalene-d10	0.4	0.31	77		30	150
		Fluoranthene-d10	0.4	0.39	97		30	150
		Nitrobenzene-d5	0.4	0.33	83		55	111
		2-Fluorobiphenyl	0.4	0.33	82		53	106
		Terphenyl-d14	0.4	0.55	136	*	58	132
Q3193-02MS	RW10-MW01D-20250923MS	2-Methylnaphthalene-d10	0.4	0.36	89		30	150
		Fluoranthene-d10	0.4	0.38	95		30	150
		Nitrobenzene-d5	0.4	0.36	90		55	111
		2-Fluorobiphenyl	0.4	0.36	89		53	106
		Terphenyl-d14	0.4	0.50	125		58	132
Q3193-03MSD	RW10-MW01D-20250923MSD	2-Methylnaphthalene-d10	0.4	0.36	89		30	150
		Fluoranthene-d10	0.4	0.39	98		30	150
		Nitrobenzene-d5	0.4	0.35	86		55	111
		2-Fluorobiphenyl	0.4	0.35	88		53	106
		Terphenyl-d14	0.4	0.49	122		58	132
Q3193-04	TT149S1-20250922	2-Methylnaphthalene-d10	0.4	0.32	79		30	150
		Fluoranthene-d10	0.4	0.39	97		30	150
		Nitrobenzene-d5	0.4	0.32	79		55	111
		2-Fluorobiphenyl	0.4	0.36	91		53	106
		Terphenyl-d14	0.4	0.52	131		58	132
Q3193-05	RE137-20250922	2-Methylnaphthalene-d10	0.4	0.30	74		30	150
		Fluoranthene-d10	0.4	0.40	101		30	150
		Nitrobenzene-d5	0.4	0.33	81		55	111
		2-Fluorobiphenyl	0.4	0.33	82		53	106
		Terphenyl-d14	0.4	0.45	113		58	132
Q3193-06	RW4-20250922	2-Methylnaphthalene-d10	0.4	0.26	65		30	150
		Fluoranthene-d10	0.4	0.37	92		30	150
		Nitrobenzene-d5	0.4	0.30	74		55	111
		2-Fluorobiphenyl	0.4	0.30	74		53	106
		Terphenyl-d14	0.4	0.52	130		58	132
Q3193-07	GM38-RW3-MW1-20250922	2-Methylnaphthalene-d10	0.4	0.32	81		30	150
		Fluoranthene-d10	0.4	0.41	101		30	150
		Nitrobenzene-d5	0.4	0.35	86		55	111
		2-Fluorobiphenyl	0.4	0.36	90		53	106
		Terphenyl-d14	0.4	0.49	122		58	132
Q3193-08	TT20551-20250923	2-Methylnaphthalene-d10	0.4	0.28	71		30	150
		Fluoranthene-d10	0.4	0.39	98		30	150
		Nitrobenzene-d5	0.4	0.30	75		55	111
		2-Fluorobiphenyl	0.4	0.33	83		53	106
		Terphenyl-d14	0.4	0.53	132		58	132
Q3193-09	RW10A-MW01I-20250923	2-Methylnaphthalene-d10	0.4	0.34	85		30	150

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Surrogate Summary

SW-846

SDG No.: Q3193

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
Q3193-09	RW10A-MW01I-20250923	Fluoranthene-d10	0.4	0.39	97		30	150
		Nitrobenzene-d5	0.4	0.36	89		55	111
		2-Fluorobiphenyl	0.4	0.37	91		53	106
		Terphenyl-d14	0.4	0.52	129		58	132
Q3193-10	RW8-MW01S-20250923	2-Methylnaphthalene-d10	0.4	0.33	81		30	150
		Fluoranthene-d10	0.4	0.40	100		30	150
		Nitrobenzene-d5	0.4	0.34	85		55	111
		2-Fluorobiphenyl	0.4	0.35	87		53	106
		Terphenyl-d14	0.4	0.50	125		58	132
Q3193-11	TT172S1-20250923	2-Methylnaphthalene-d10	0.4	0.28	70		30	150
		Fluoranthene-d10	0.4	0.39	98		30	150
		Nitrobenzene-d5	0.4	0.30	74		55	111
		2-Fluorobiphenyl	0.4	0.29	73		53	106
		Terphenyl-d14	0.4	0.43	106		58	132
Q3193-12	DUP12-20250923	2-Methylnaphthalene-d10	0.4	0.32	79		30	150
		Fluoranthene-d10	0.4	0.42	105		30	150
		Nitrobenzene-d5	0.4	0.34	86		55	111
		2-Fluorobiphenyl	0.4	0.34	84		53	106
		Terphenyl-d14	0.4	0.50	124		58	132
Q3193-13	RW10A-MW01S-20250923	2-Methylnaphthalene-d10	0.4	0.26	64		30	150
		Fluoranthene-d10	0.4	0.35	88		30	150
		Nitrobenzene-d5	0.4	0.26	65		55	111
		2-Fluorobiphenyl	0.4	0.27	67		53	106
		Terphenyl-d14	0.4	0.47	116		58	132
Q3193-14	RW8-MW01D1-20250923	2-Methylnaphthalene-d10	0.4	0.32	81		30	150
		Fluoranthene-d10	0.4	0.38	94		30	150
		Nitrobenzene-d5	0.4	0.36	90		55	111
		2-Fluorobiphenyl	0.4	0.34	84		53	106
		Terphenyl-d14	0.4	0.43	106		58	132
Q3193-15	DUP11-20250923	2-Methylnaphthalene-d10	0.4	0.31	77		30	150
		Fluoranthene-d10	0.4	0.34	84		30	150
		Nitrobenzene-d5	0.4	0.32	79		55	111
		2-Fluorobiphenyl	0.4	0.33	81		53	106
		Terphenyl-d14	0.4	0.46	115		58	132
Q3193-16	TT161S1-20250923	2-Methylnaphthalene-d10	0.4	0.32	79		30	150
		Fluoranthene-d10	0.4	0.47	118		30	150
		Nitrobenzene-d5	0.4	0.32	79		55	111
		2-Fluorobiphenyl	0.4	0.32	80		53	106
		Terphenyl-d14	0.4	0.45	112		58	132
Q3193-17	RE103D1-20250923	2-Methylnaphthalene-d10	0.4	0.35	88		30	150
		Fluoranthene-d10	0.4	0.39	98		30	150
		Nitrobenzene-d5	0.4	0.36	90		55	111
		2-Fluorobiphenyl	0.4	0.39	97		53	106
		Terphenyl-d14	0.4	0.52	129		58	132
Q3193-18	MW203D-20250923	2-Methylnaphthalene-d10	0.4	0.28	69		30	150
		Fluoranthene-d10	0.4	0.36	90		30	150
		Nitrobenzene-d5	0.4	0.28	70		55	111
		2-Fluorobiphenyl	0.4	0.32	80		53	106
		Terphenyl-d14	0.4	0.46	114		58	132
Q3193-19	EB04-20250923	2-Methylnaphthalene-d10	0.4	0.25	63		30	150
		Fluoranthene-d10	0.4	0.30	75		30	150

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Surrogate Summary

SW-846

SDG No.: Q3193

Client: AECOM Technical Services, Inc.

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	High
Q3193-19	EB04-20250923	Nitrobenzene-d5	0.4	0.28	70		55	111
		2-Fluorobiphenyl	0.4	0.27	68		53	106
		Terphenyl-d14	0.4	0.47	117		58	132
Q3193-20	TT174I1-20250924	2-Methylnaphthalene-d10	0.4	0.30	74		30	150
		Fluoranthene-d10	0.4	0.39	98		30	150
		Nitrobenzene-d5	0.4	0.30	75		55	111
		2-Fluorobiphenyl	0.4	0.34	84		53	106
		Terphenyl-d14	0.4	0.47	118		58	132
Q3193-21	TT162S1-20250924	2-Methylnaphthalene-d10	0.4	0.30	75		30	150
		Fluoranthene-d10	0.4	0.42	106		30	150
		Nitrobenzene-d5	0.4	0.30	75		55	111
		2-Fluorobiphenyl	0.4	0.32	81		53	106
		Terphenyl-d14	0.4	0.43	107		58	132
Q3193-22	RE120D3-20250924	2-Methylnaphthalene-d10	0.4	0.34	86		30	150
		Fluoranthene-d10	0.4	0.39	97		30	150
		Nitrobenzene-d5	0.4	0.33	83		55	111
		2-Fluorobiphenyl	0.4	0.36	90		53	106
		Terphenyl-d14	0.4	0.45	113		58	132

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3193 **Analytical Method:** SW8270-Modified

Client: AECOM Technical Services, Inc. **DataFile:** BN037948.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q3193-02MS		**Client Sample ID: RW10-MW01D-20250923MS**									
1,4-Dioxane	0.4	0	0.33	ug/L	83				70	130	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3193 **Analytical Method:** SW8270-Modified

Client: AECOM Technical Services, Inc. **DataFile:** BN037949.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q3193-03MSD		**Client Sample ID: RW10-MW01D-20250923MSD**									
1,4-Dioxane	0.4	0	0.31	ug/L	78		6		70	130	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3193
Analytical Method: 8270-Modified
Client: AECOM Technical Services, Inc.
DataFile: BN037958.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB169886BS	1,4-Dioxane	0.4	0.30	ug/L	75				70	130	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID

PB169886BL

Lab Name: Alliance

Contract: AECO15

Lab Code: ACE

SDG NO.: Q3193

Lab File ID: BN037962.D

Lab Sample ID: PB169886BL

Instrument ID: BNA_N

Date Extracted: 09/29/2025

Matrix: (soil/water) Water

Date Analyzed: 10/01/2025

Level: (low/med) LOW

Time Analyzed: 01:46

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB169886BS	PB169886BS	BN037958.D	09/30/2025
RW10-MW01D-20250923	Q3193-01	BN037947.D	09/30/2025
RW10-MW01D-20250923MS	Q3193-02MS	BN037948.D	09/30/2025
RW10-MW01D-20250923MSD	Q3193-03MSD	BN037949.D	09/30/2025
TT149S1-20250922	Q3193-04	BN037950.D	09/30/2025
RE137-20250922	Q3193-05	BN037951.D	09/30/2025
RW4-20250922	Q3193-06	BN037952.D	09/30/2025
GM38-RW3-MW1-20250922	Q3193-07	BN037953.D	09/30/2025
TT20551-20250923	Q3193-08	BN037954.D	09/30/2025
RW10A-MW01I-20250923	Q3193-09	BN037955.D	09/30/2025
RW8-MW01S-20250923	Q3193-10	BN037956.D	09/30/2025
TT172S1-20250923	Q3193-11	BN037957.D	09/30/2025
DUP12-20250923	Q3193-12	BN037963.D	10/01/2025
RW10A-MW01S-20250923	Q3193-13	BN037964.D	10/01/2025
RW8-MW01D1-20250923	Q3193-14	BN037965.D	10/01/2025
DUP11-20250923	Q3193-15	BN037966.D	10/01/2025
TT161S1-20250923	Q3193-16	BN037967.D	10/01/2025
RE103D1-20250923	Q3193-17	BN037968.D	10/01/2025
MW203D-20250923	Q3193-18	BN037969.D	10/01/2025
EB04-20250923	Q3193-19	BN037970.D	10/01/2025
TT174I1-20250924	Q3193-20	BN037971.D	10/01/2025
TT162S1-20250924	Q3193-21	BN037972.D	10/01/2025
RE120D3-20250924	Q3193-22	BN037973.D	10/01/2025

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.: Q3193

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.: Q3193

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
RW10-MW01D-20250923	Q3193-01	BN037947.D	09/30/2025	14:42
RW10-MW01D-20250923MS	Q3193-02MS	BN037948.D	09/30/2025	16:33
RW10-MW01D-20250923MSD	Q3193-03MSD	BN037949.D	09/30/2025	17:09
TT149S1-20250922	Q3193-04	BN037950.D	09/30/2025	17:46
RE137-20250922	Q3193-05	BN037951.D	09/30/2025	18:22
RW4-20250922	Q3193-06	BN037952.D	09/30/2025	18:59
GM38-RW3-MW1-20250922	Q3193-07	BN037953.D	09/30/2025	19:35
TT20551-20250923	Q3193-08	BN037954.D	09/30/2025	20:12
RW10A-MW01I-20250923	Q3193-09	BN037955.D	09/30/2025	20:48
RW8-MW01S-20250923	Q3193-10	BN037956.D	09/30/2025	21:25
TT172S1-20250923	Q3193-11	BN037957.D	09/30/2025	22:01
PB169886BS	PB169886BS	BN037958.D	09/30/2025	22:37
SSTDCCC0.4EC	SSTDCCC0.4	BN037959.D	09/30/2025	23:14

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.:	Q3193
Lab File ID:	BN037960.D	DFTPP Injection Date:	10/01/2025
Instrument ID:	BNA_N	DFTPP Injection Time:	00:30

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	7.1
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	81.9
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	17.3 (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	BN037961.D	10/01/2025	01:10
PB169886BL	PB169886BL	BN037962.D	10/01/2025	01:46
DUP12-20250923	Q3193-12	BN037963.D	10/01/2025	02:23
RW10A-MW01S-20250923	Q3193-13	BN037964.D	10/01/2025	02:59
RW8-MW01D1-20250923	Q3193-14	BN037965.D	10/01/2025	03:35
DUP11-20250923	Q3193-15	BN037966.D	10/01/2025	04:12
TT161S1-20250923	Q3193-16	BN037967.D	10/01/2025	04:48
RE103D1-20250923	Q3193-17	BN037968.D	10/01/2025	05:24
MW203D-20250923	Q3193-18	BN037969.D	10/01/2025	06:00
EB04-20250923	Q3193-19	BN037970.D	10/01/2025	06:36
TT174I1-20250924	Q3193-20	BN037971.D	10/01/2025	07:13
TT162S1-20250924	Q3193-21	BN037972.D	10/01/2025	07:49
RE120D3-20250924	Q3193-22	BN037973.D	10/01/2025	08:25
SSTDCCC0.4EC	SSTDCCC0.4	BN037974.D	10/01/2025	09:24

Form V SV

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3193

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	PB169886BS	7452	7.81	21033	10.62	11010	14.46
02	RW10-MW01D-20250923	7881	7.81	23205	10.62	11948	14.47
03	RW10-MW01D-20250923MS	7993	7.81	22898	10.62	12112	14.47
04	RW10-MW01D-20250923MSD	6976	7.81	19964	10.62	10698	14.46
05	TT149S1-20250922	8551	7.81	24701	10.62	13182	14.46
06	RE137-20250922	7660	7.81	22207	10.62	11684	14.46
07	RW4-20250922	7793	7.81	22517	10.62	11801	14.46
08	GM38-RW3-MW1-20250922	7382	7.81	21403	10.62	11279	14.46
09	TT20551-20250923	8400	7.81	25968	10.62	13547	14.47
10	RW10A-MW01I-20250923	7049	7.81	21513	10.62	11227	14.46
11	RW8-MW01S-20250923	8340	7.81	24203	10.62	12799	14.46
12	TT172S1-20250923	7098	7.81	20498	10.62	10965	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.

Form VIII SV-1

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3193

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	PB169886BS	22288	17.21	16510	21.39	12940	23.72
02	RW10-MW01D-20250923	24615	17.21	20490	21.40	17592	23.73
03	RW10-MW01D-20250923MS	25000	17.21	20815	21.40	17521	23.72
04	RW10-MW01D-20250923MSD	21721	17.21	19129	21.39	17953	23.72
05	TT149S1-20250922	27317	17.21	23956	21.39	22179	23.72
06	RE137-20250922	23947	17.21	23880	21.39	22435	23.72
07	RW4-20250922	24660	17.21	21544	21.39	19690	23.72
08	GM38-RW3-MW1-20250922	23722	17.21	20326	21.39	18553	23.72
09	TT20551-20250923	27176	17.21	23475	21.39	21465	23.72
10	RW10A-MW01I-20250923	23340	17.21	19828	21.39	17731	23.72
11	RW8-MW01S-20250923	26901	17.21	23284	21.39	20264	23.72
12	TT172S1-20250923	23447	17.21	19827	21.39	17505	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.

Form VIII SV-1

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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3193

Client ID : SSTDCCC0.4 Date Analyzed: 10/01/2025

Lab File ID: BN037961.D Time Analyzed: 01:10

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	7067	7.811	22573	10.62	11380	14.46
	UPPER LIMIT	14134	8.311	45146	11.116	22760	14.962
	LOWER LIMIT	3533.5	7.311	11286.5	10.116	5690	13.962
	EPA SAMPLE NO.						
01	MW203D-20250923	7655	7.81	22976	10.62	11396	14.46
02	EB04-20250923	7743	7.81	20020	10.62	10144	14.46
03	TT174I1-20250924	7086	7.81	20607	10.62	11008	14.46
04	TT162S1-20250924	7339	7.81	21391	10.62	11392	14.46
05	RE120D3-20250924	8836	7.81	23668	10.62	13038	14.46
06	PB169886BL	6783	7.81	18599	10.62	9081	14.46
07	DUP12-20250923	7310	7.81	20987	10.62	11025	14.46
08	RW10A-MW01S-20250923	7495	7.81	21468	10.62	11500	14.46
09	RW8-MW01D1-20250923	7626	7.81	21951	10.62	11654	14.46
10	DUP11-20250923	7425	7.81	21029	10.62	10680	14.46
11	TT161S1-20250923	7403	7.81	19689	10.62	10797	14.46
12	RE103D1-20250923	8935	7.81	25320	10.62	13246	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.

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

8C
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE   SDG NO.: Q3193

Client ID: SSTDCCC0.4   Date Analyzed: 10/01/2025

Lab File ID: BN037961.D   Time Analyzed: 01:10

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	22791	17.211	20365	21.393	18357	23.718
	UPPER LIMIT	45582	17.711	40730	21.893	36714	24.218
	LOWER LIMIT	11395.5	16.711	10182.5	20.893	9178.5	23.218
	EPA SAMPLE NO.						
01	MW203D-20250923	23171	17.21	17327	21.39	13520	23.72
02	EB04-20250923	18515	17.21	12540	21.39	11301	23.72
03	TT174I1-20250924	22531	17.21	18077	21.39	14968	23.72
04	TT162S1-20250924	23692	17.21	24495	21.39	21866	23.72
05	RE120D3-20250924	27082	17.21	22508	21.39	19220	23.72
06	PB169886BL	18168	17.22	14118	21.39	11978	23.72
07	DUP12-20250923	21998	17.21	18988	21.39	14992	23.72
08	RW10A-MW01S-20250923	24754	17.21	17225	21.39	13309	23.72
09	RW8-MW01D1-20250923	24178	17.21	19146	21.39	15180	23.72
10	DUP11-20250923	20869	17.21	13568	21.39	11917	23.72
11	TT161S1-20250923	22824	17.21	21668	21.39	17961	23.72
12	RE103D1-20250923	24716	17.21	18326	21.39	14296	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.

Form VIII SV-1

Alliance
TECHNICAL GROUP

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SAMPLE DATA

Alliance TECHNICAL GROUP

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Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.			Date Collected:	09/23/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258			Date Received:	09/24/25
Client Sample ID:	RW10-MW01D-20250923			SDG No.:	Q3193
Lab Sample ID:	Q3193-01			Matrix:	Water
Analytical Method:	SW8270ESIM			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-SIMGroup1
Extraction Type :		Decanted :	N	Level :	LOW
Injection Volume :		GPC Factor :	1.0	GPC Cleanup :	N PH :
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037947.D	1	09/29/25 08:43	09/30/25 14:42	PB169886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.20	U	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.31		30 - 150		77%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.39		30 - 150		97%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.33		55 - 111		83%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.33		53 - 106		82%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.55	*	58 - 132		136%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7880	7.811				
1146-65-2	Naphthalene-d8	23200	10.616				
15067-26-2	Acenaphthene-d10	11900	14.473				
1517-22-2	Phenanthrene-d10	24600	17.211				
1719-03-5	Chrysene-d12	20500	21.402				
1520-96-3	Perylene-d12	17600	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 : BN037947.D
Acq On : 30 Sep 2025 14:42
Operator : RC/JU
Sample : Q3193-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RW10-MW01D-20250923

Quant Time: Sep 30 15:16:07 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

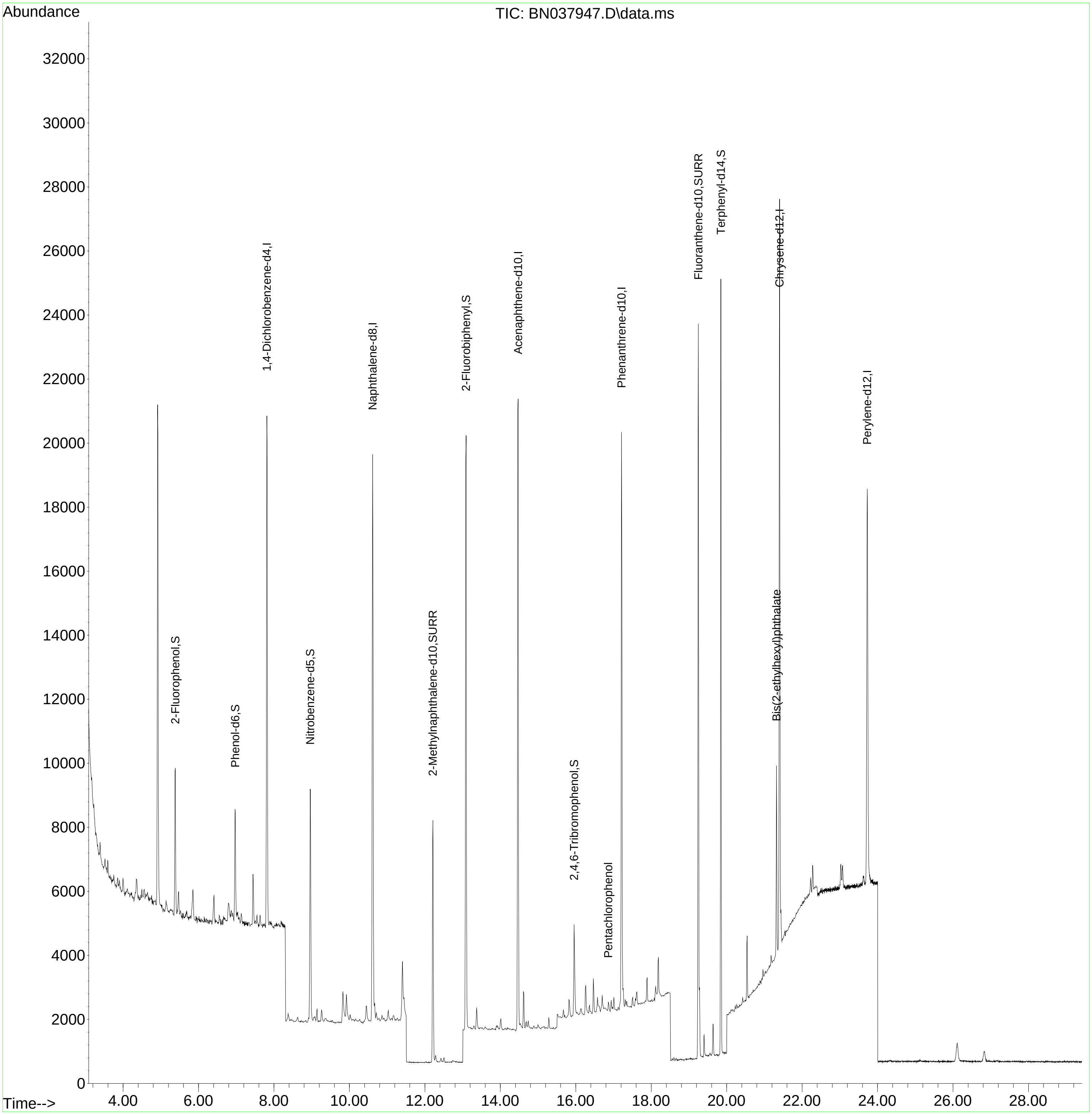
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.811	152	7881	0.400	ng	-0.01
7) Naphthalene-d8	10.616	136	23205	0.400	ng	-0.01
13) Acenaphthene-d10	14.473	164	11948	0.400	ng	0.00
19) Phenanthrene-d10	17.211	188	24615	0.400	ng	#-0.01
29) Chrysene-d12	21.402	240	20490	0.400	ng	0.00
35) Perylene-d12	23.727	264	17592	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.384	112	3837	0.213	ng	0.00
5) Phenol-d6	6.973	99	3203	0.136	ng	0.00
8) Nitrobenzene-d5	8.961	82	5887	0.333	ng	-0.01
11) 2-Methylnaphthalene-d10	12.212	152	9948	0.309	ng	0.00
14) 2,4,6-Tribromophenol	15.957	330	1600	0.353	ng	-0.01
15) 2-Fluorobiphenyl	13.094	172	15997	0.327	ng	0.00
27) Fluoranthene-d10	19.248	212	24116	0.389	ng	0.00
31) Terphenyl-d14	19.847	244	22248	0.545	ng	0.00
Target Compounds						Qvalue
24) Pentachlorophenol	16.863	266	172	0.026	ng	# 84
34) Bis(2-ethylhexyl)phtha...	21.322	149	5361	0.189	ng	# 99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN093025\
Data File : BN037947.D
Acq On   : 30 Sep 2025 14:42
Operator : RC/JU
Sample   : Q3193-01
Misc   :
ALS Vial : 5   Sample Multiplier: 1

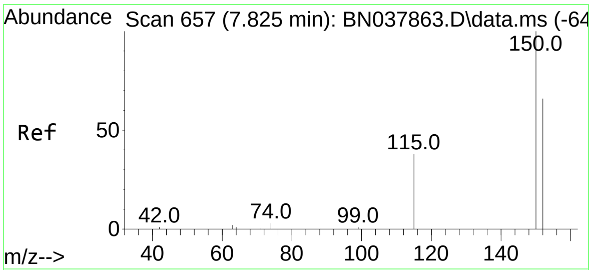
Instrument :
BNA_N
ClientSampleId :
RW10-MW01D-20250923

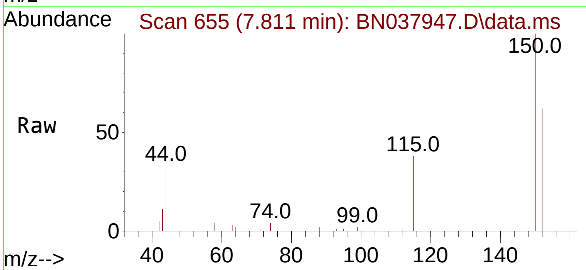
Quant Time: Sep 30 15:16:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration

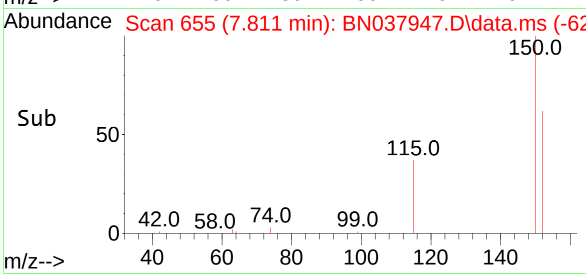


Instrument :
BNA_N
ClientSampleId :
RW10-MW01D-20250923

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17



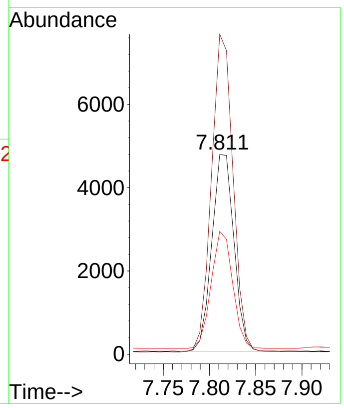


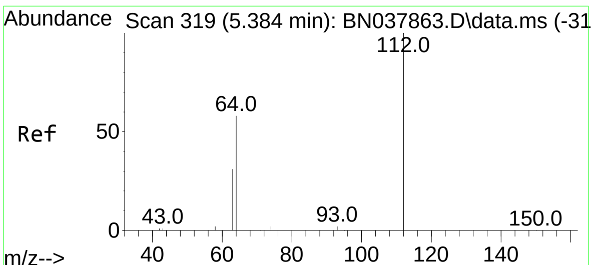


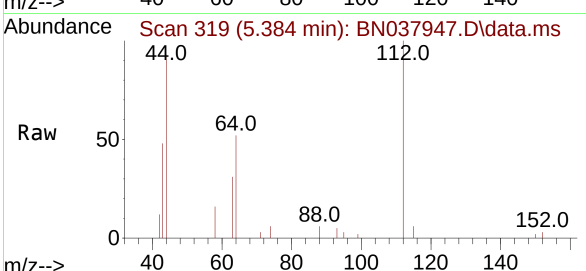
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.811 min Scan# 6
Delta R.T. -0.014 min
Lab File: BN037947.D
Acq: 30 Sep 2025 14:42

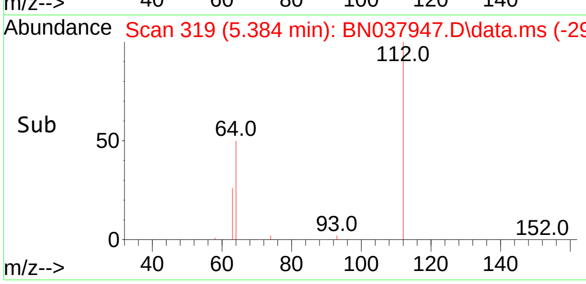
Tgt Ion:152 Resp: 7881

Ion	Ratio	Lower	Upper
152	100		
150	160.3	121.0	181.4
115	61.5	47.4	71.0





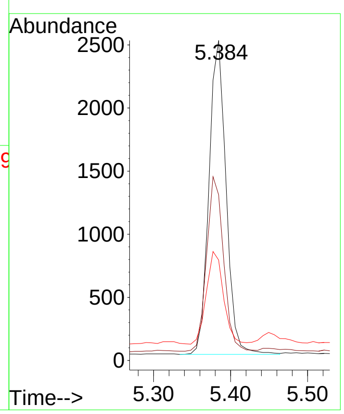




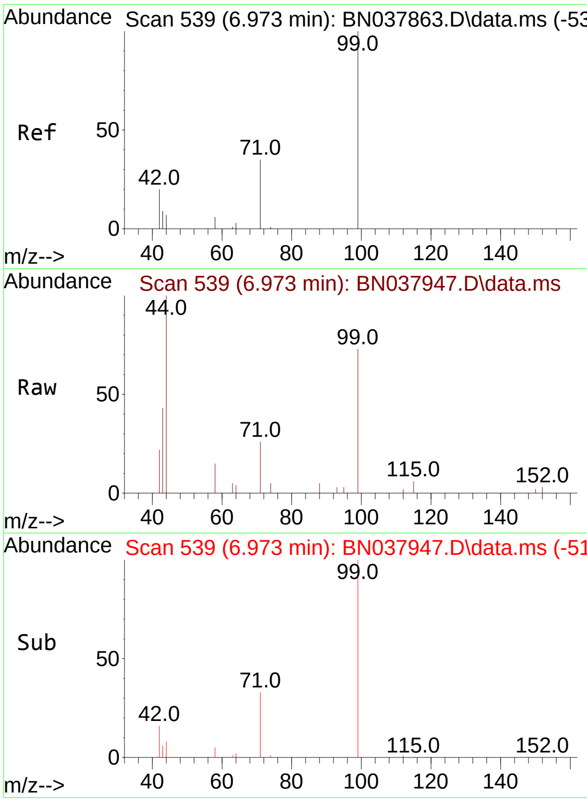
#4
2-Fluorophenol
Concen: 0.213 ng
RT: 5.384 min Scan# 319
Delta R.T. -0.000 min
Lab File: BN037947.D
Acq: 30 Sep 2025 14:42

Tgt Ion:112 Resp: 3837

Ion	Ratio	Lower	Upper
112	100		
64	54.9	44.6	66.8
63	29.6	24.9	37.3



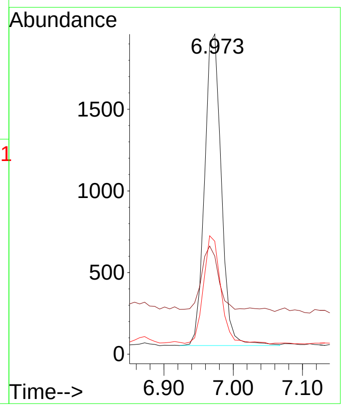
Instrument :
BNA_N
ClientSampleId :
RW10-MW01D-20250923

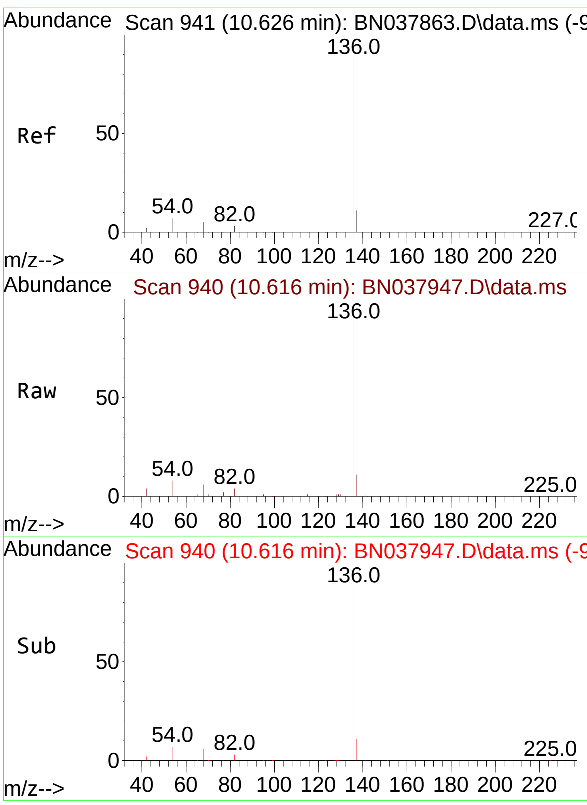


#5
Phenol-d6
Concen: 0.136 ng
RT: 6.973 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN037947.D
Acq: 30 Sep 2025 14:42

Tgt Ion: 99 Resp: 3203

Ion	Ratio	Lower	Upper
99	100		
42	20.0	17.2	25.8
71	36.2	27.3	40.9

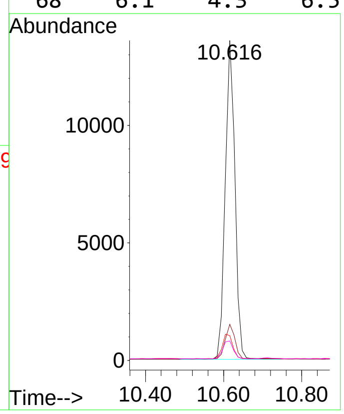




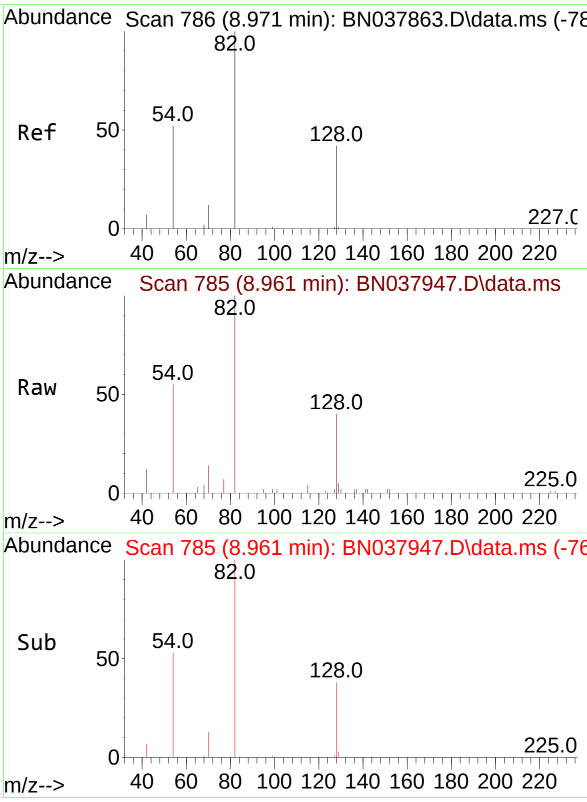
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.616 min Scan# 940
Delta R.T. -0.011 min
Lab File: BN037947.D
Acq: 30 Sep 2025 14:42

Tgt Ion:136 Resp: 23205

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.4
54	7.8	5.8	8.8
68	6.1	4.3	6.5



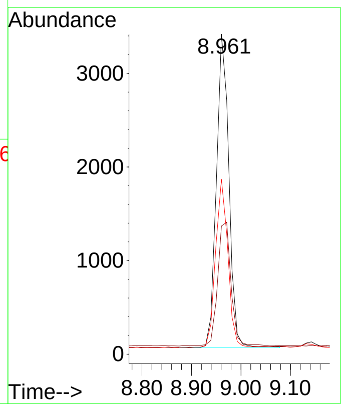
Instrument :
BNA_N
ClientSampleId :
RW10-MW01D-20250923

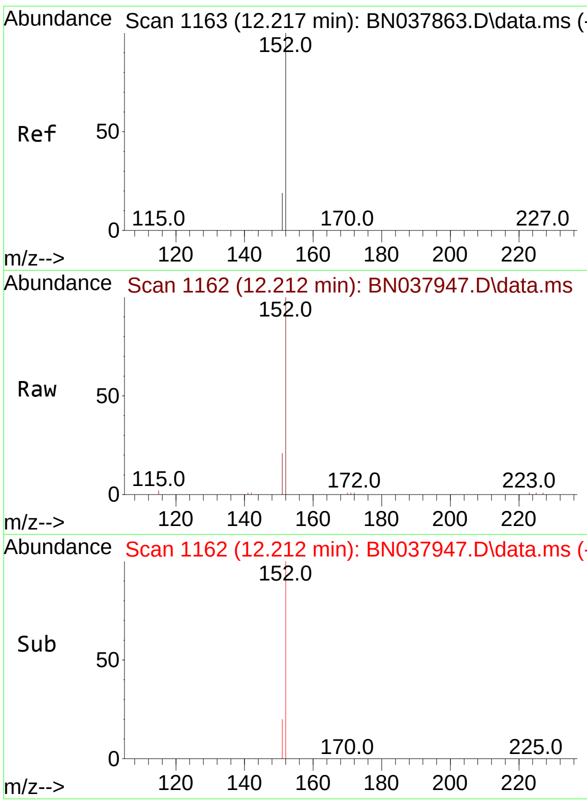


#8
Nitrobenzene-d5
Concen: 0.333 ng
RT: 8.961 min   Scan# 7
Delta R.T.   -0.011 min
Lab File: BN037947.D
Acq: 30 Sep 2025   14:42

Tgt Ion: 82 Resp: 5887

Ion	Ratio	Lower	Upper
82	100		
128	40.0	34.8	52.2
54	54.7	42.2	63.2

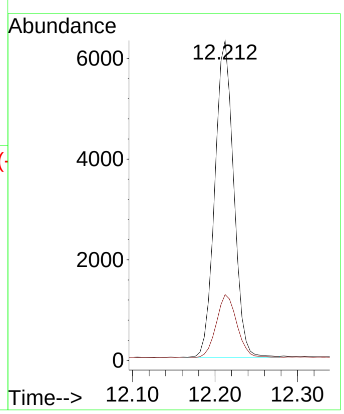




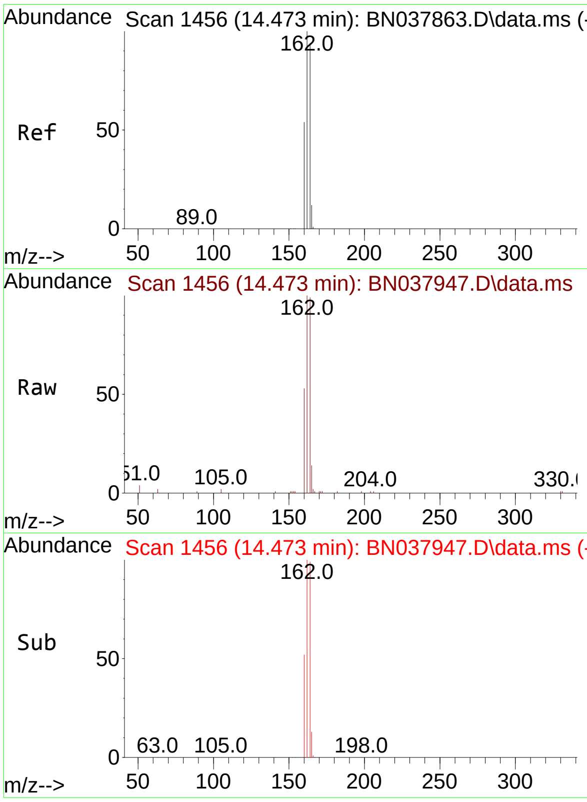
#11
2-Methylnaphthalene-d10
Concen: 0.309 ng
RT: 12.212 min   Scan# 1162
Delta R.T.   -0.005 min
Lab File: BN037947.D
Acq: 30 Sep 2025   14:42

Tgt Ion:152 Resp: 9948

Ion	Ratio	Lower	Upper
152	100		
151	21.8	17.4	26.2



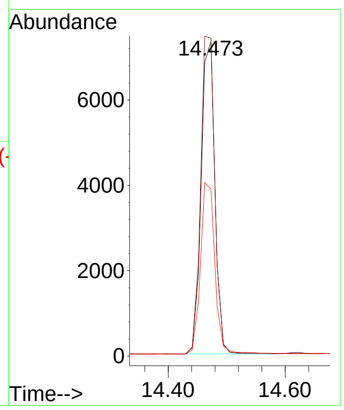
Instrument :
BNA_N
ClientSampleId :
RW10-MW01D-20250923

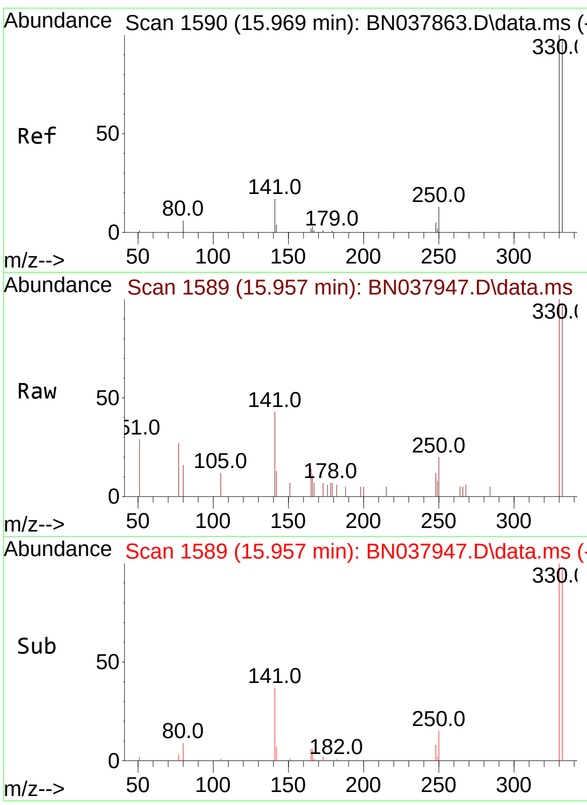


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.473 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN037947.D
Acq: 30 Sep 2025 14:42

Tgt Ion:164 Resp: 11948

Ion	Ratio	Lower	Upper
164	100		
162	101.0	84.8	127.2
160	53.2	46.1	69.1

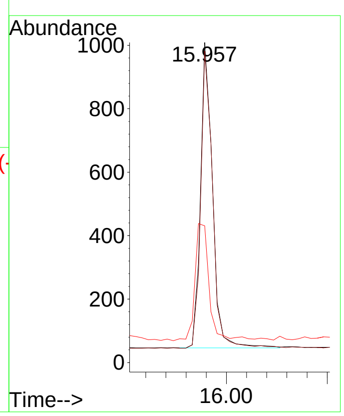




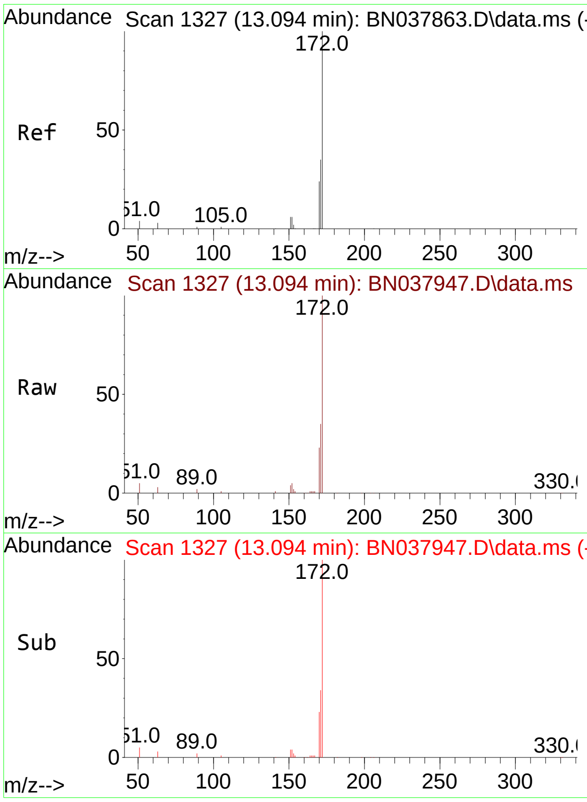
#14
2,4,6-Tribromophenol
Concen: 0.353 ng
RT: 15.957 min Scan# 1589
Delta R.T. -0.012 min
Lab File: BN037947.D
Acq: 30 Sep 2025 14:42

Tgt Ion:330 Resp: 1600

Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.2	115.8
141	44.8	37.2	55.8



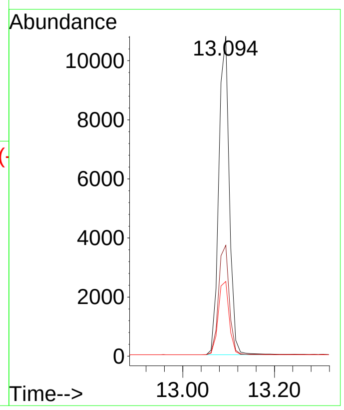
Instrument :
BNA_N
ClientSampleId :
RW10-MW01D-20250923

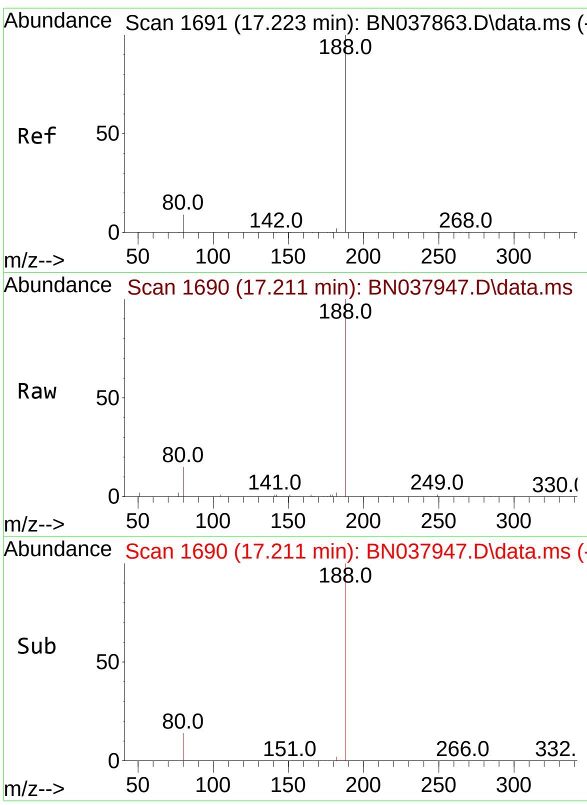


#15
2-Fluorobiphenyl
Concen: 0.327 ng
RT: 13.094 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037947.D
Acq: 30 Sep 2025 14:42

Tgt Ion:172 Resp: 15997

Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.6	43.0
170	23.4	19.7	29.5

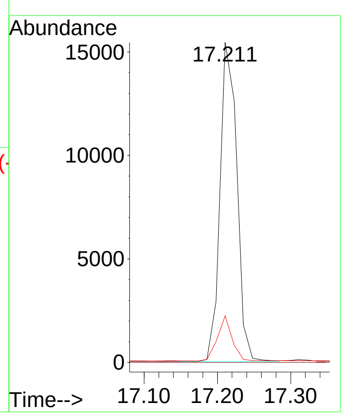




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.211 min Scan# 1690
Delta R.T. -0.012 min
Lab File: BN037947.D
Acq: 30 Sep 2025 14:42

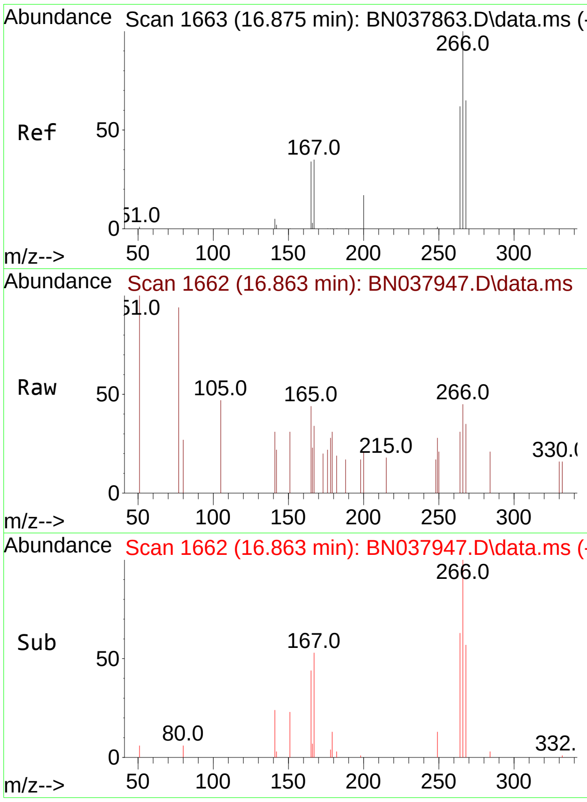
Tgt Ion:188 Resp: 24615

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



Instrument : BNA_N
ClientSampleId : RW10-MW01D-20250923

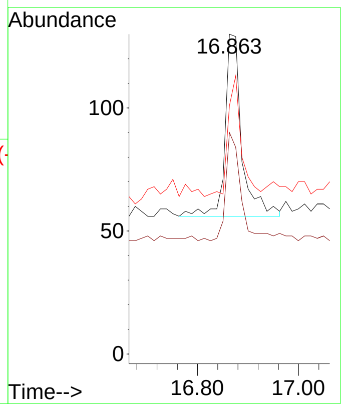
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

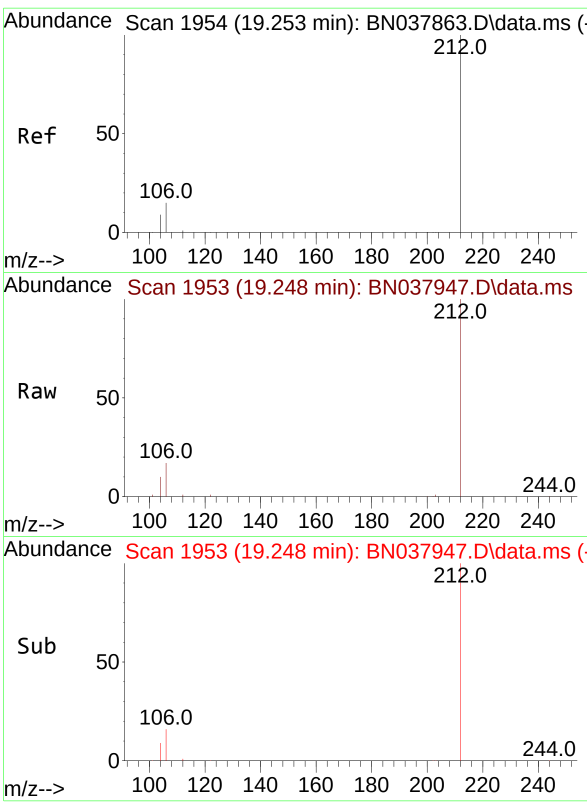


#24
Pentachlorophenol
Concen: 0.026 ng
RT: 16.863 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037947.D
Acq: 30 Sep 2025 14:42

Tgt Ion:266 Resp: 172

Ion	Ratio	Lower	Upper
266	100		
264	55.8	50.9	76.3
268	50.0	54.3	81.5#

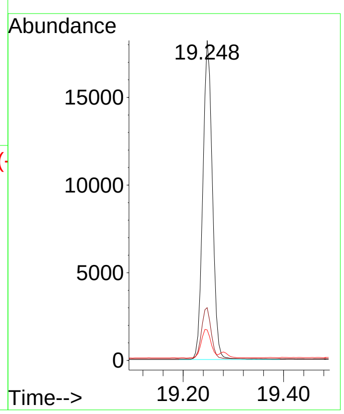




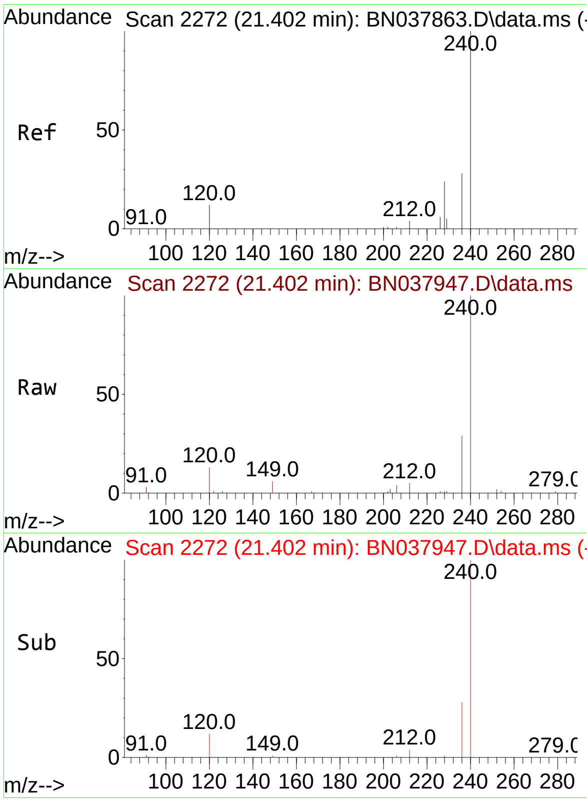
#27
Fluoranthene-d10
Concen: 0.389 ng
RT: 19.248 min Scan# 1953
Delta R.T. -0.005 min
Lab File: BN037947.D
Acq: 30 Sep 2025 14:42

Tgt Ion:212 Resp: 24116

Ion	Ratio	Lower	Upper
212	100		
106	16.2	12.6	19.0
104	9.1	7.4	11.0

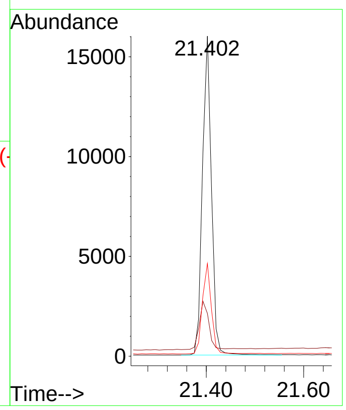


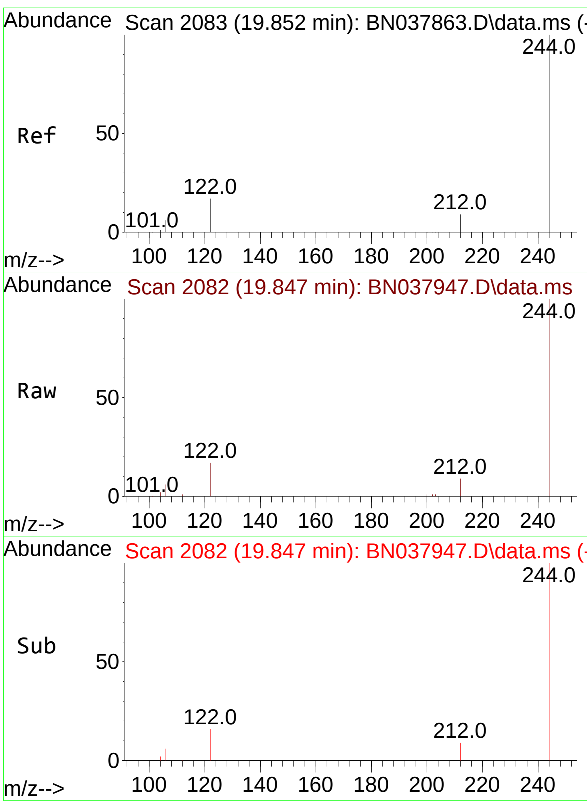
Instrument :
BNA_N
ClientSampleId :
RW10-MW01D-20250923




```
#29
Chrysene-d12
Concen:     0.400 ng
RT:  21.402 min  Scan# 2
Delta R.T.   -0.000 min
Lab File:    BN037947.D
Acq: 30 Sep 2025   14:42

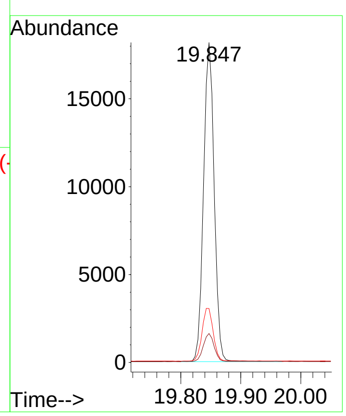
Tgt Ion:240 Resp:    20490
Ion  Ratio  Lower  Upper
240  100
120   13.4   11.4   17.2
236   29.0   23.0   34.6
```



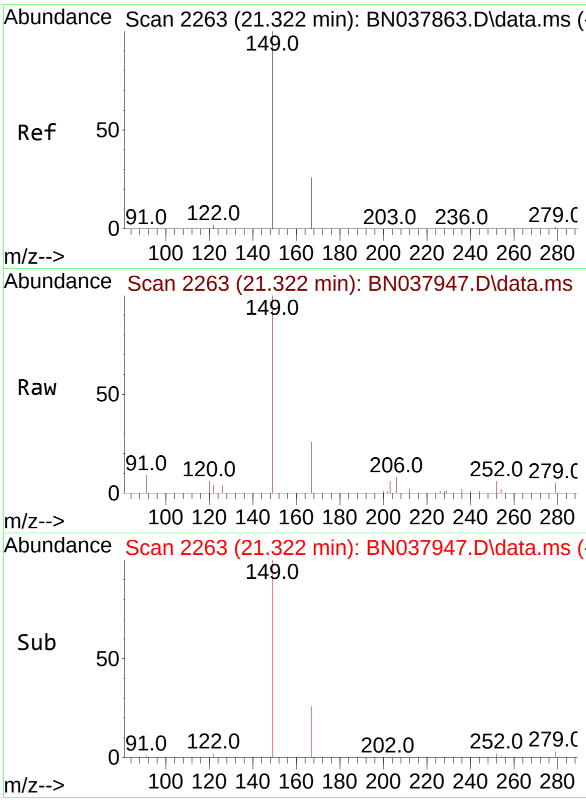



```
#31
Terphenyl-d14
Concen:     0.545 ng
RT:  19.847 min  Scan# 2082
Delta R.T.   -0.005 min
Lab File:    BN037947.D
Acq: 30 Sep 2025   14:42

Tgt Ion:244 Resp:    22248
Ion  Ratio  Lower  Upper
244  100
212    9.0    7.6   11.4
122   16.9   13.9   20.9
```



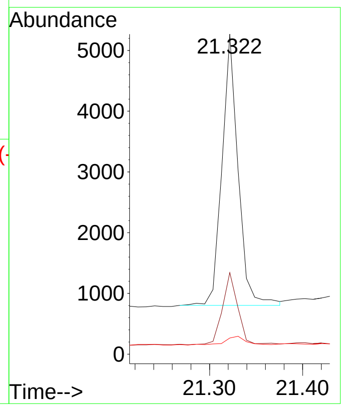
Instrument :
BNA_N
ClientSampleId :
RW10-MW01D-20250923

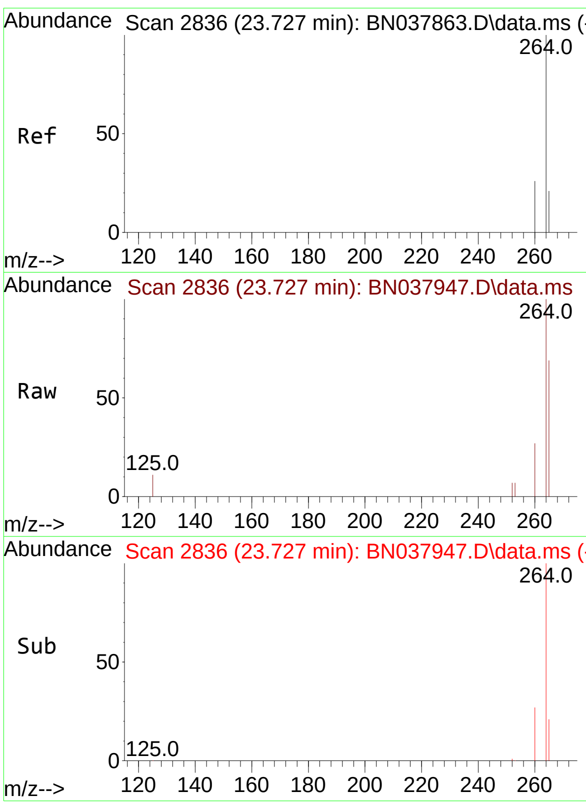


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.189 ng
RT: 21.322 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037947.D
Acq: 30 Sep 2025 14:42

Tgt Ion:149 Resp: 5361

Ion	Ratio	Lower	Upper
149	100		
167	25.4	20.4	30.6
279	4.1	2.4	3.6#

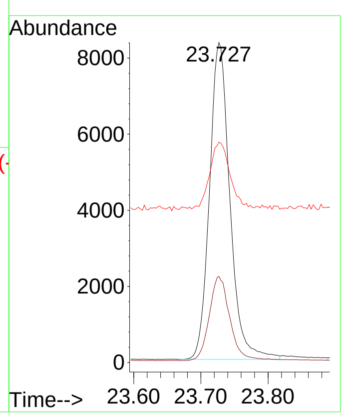




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.727 min Scan# 2836
Delta R.T. -0.000 min
Lab File: BN037947.D
Acq: 30 Sep 2025 14:42

Tgt Ion:264 Resp: 17592

Ion	Ratio	Lower	Upper
264	100		
260	26.9	21.5	32.3
265	68.9	53.8	80.6



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:	09/22/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	TT149S1-20250922	SDG No.:	Q3193
Lab Sample ID:	Q3193-04	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
BN037950.D	1	09/29/25 08:43	09/30/25 17:46	PB169886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.18	J	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.32		30 - 150		79%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.39		30 - 150		97%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.32		55 - 111		79%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.36		53 - 106		91%	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	8550	7.811				
1146-65-2	Naphthalene-d8	24700	10.616				
15067-26-2	Acenaphthene-d10	13200	14.462				
1517-22-2	Phenanthrene-d10	27300	17.211				
1719-03-5	Chrysene-d12	24000	21.393				
1520-96-3	Perylene-d12	22200	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\BN093025\
Data File : BN037950.D
Acq On : 30 Sep 2025 17:46
Operator : RC/JU
Sample : Q3193-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
TT149S1-20250922

Quant Time: Sep 30 18:28:07 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	8551	0.400	ng	-0.01
7) Naphthalene-d8	10.616	136	24701	0.400	ng	-0.01
13) Acenaphthene-d10	14.462	164	13182	0.400	ng	-0.01
19) Phenanthrene-d10	17.211	188	27317	0.400	ng	#-0.01
29) Chrysene-d12	21.393	240	23956	0.400	ng	# 0.00
35) Perylene-d12	23.721	264	22179	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.384	112	2753	0.141	ng	0.00
5) Phenol-d6	6.973	99	2412	0.094	ng	0.00
8) Nitrobenzene-d5	8.961	82	5941	0.315	ng	-0.01
11) 2-Methylnaphthalene-d10	12.212	152	10860	0.317	ng	0.00
14) 2,4,6-Tribromophenol	15.957	330	1747	0.350	ng	-0.01
15) 2-Fluorobiphenyl	13.094	172	19652	0.364	ng	0.00
27) Fluoranthene-d10	19.248	212	26822	0.390	ng	0.00
31) Terphenyl-d14	19.843	244	24948	0.523	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.290	88	1591	0.183	ng	# 73
34) Bis(2-ethylhexyl)phtha...	21.313	149	4645	0.140	ng	99

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

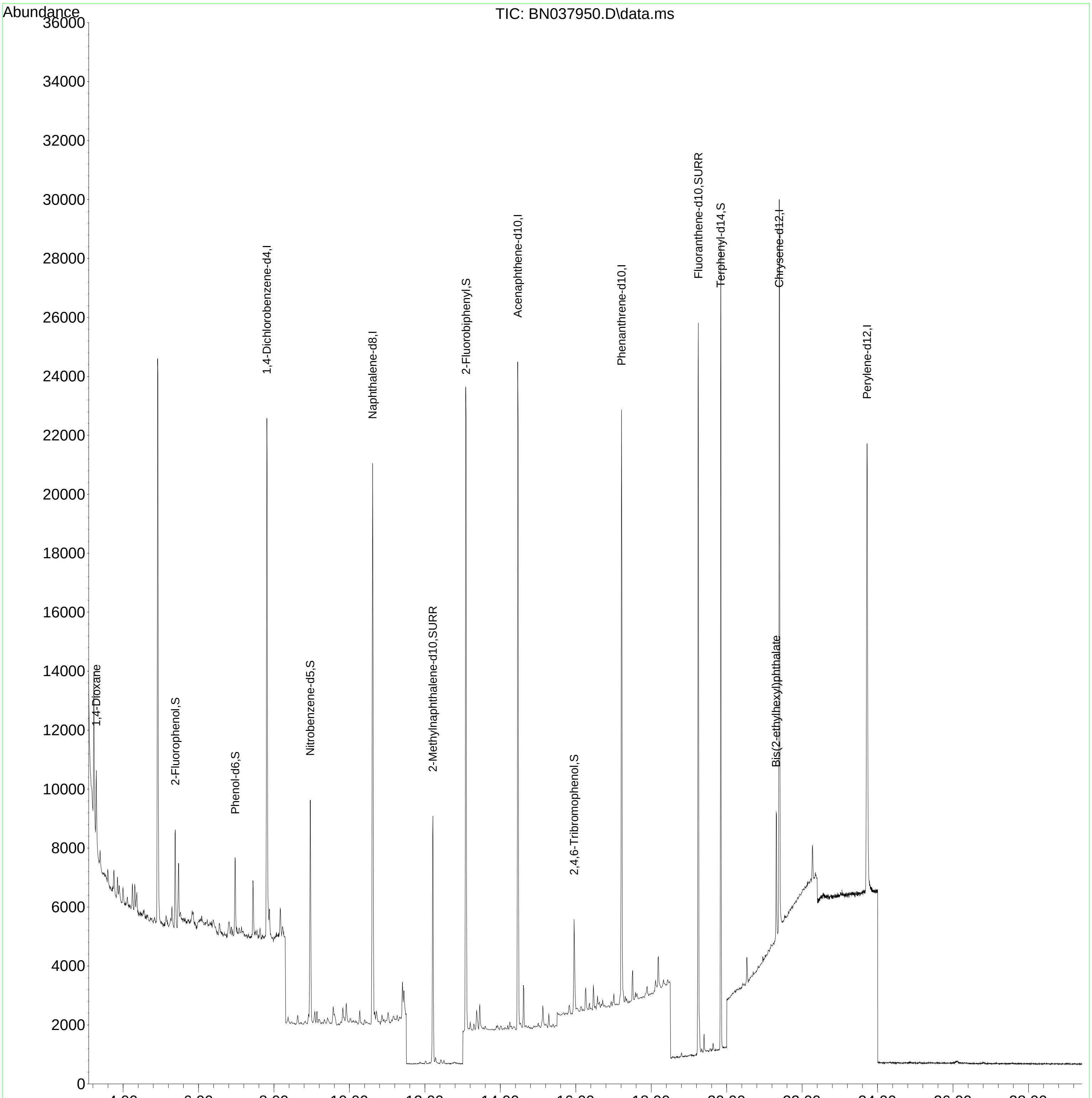
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

Sample Results: **BN037950.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN093025\
Data File : BN037950.D
Acq On : 30 Sep 2025 17:46
Operator : RC/JU
Sample : Q3193-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
TT149S1-20250922

Quant Time: Sep 30 18:28:07 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



Instrument :
BNA_N
ClientSampleId :
TT149S1-20250922

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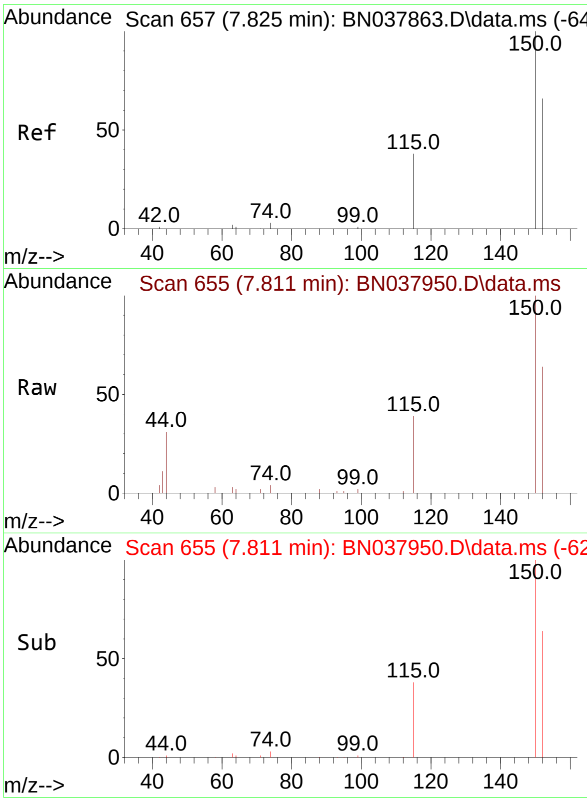
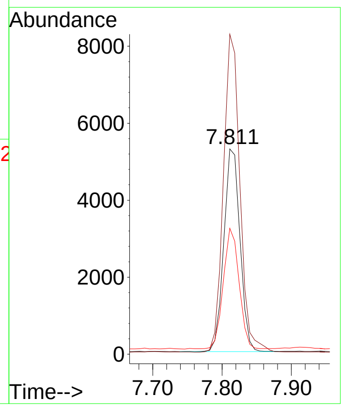
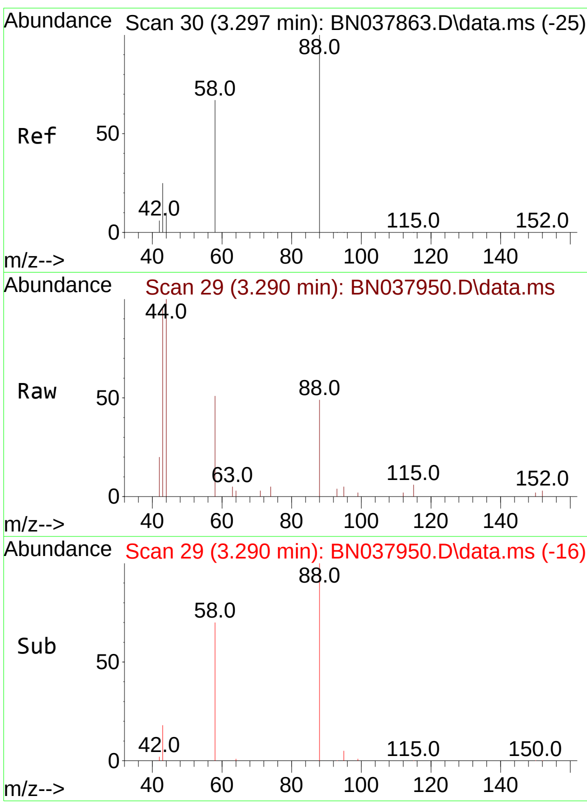


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.811 min Scan# 6
Delta R.T. -0.014 min
Lab File: BN037950.D
Acq: 30 Sep 2025 17:46

Tgt Ion:152 Resp: 8551

Ion	Ratio	Lower	Upper
152	100		
150	155.8	121.0	181.4
115	61.3	47.4	71.0

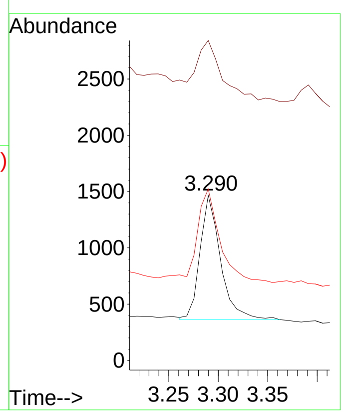




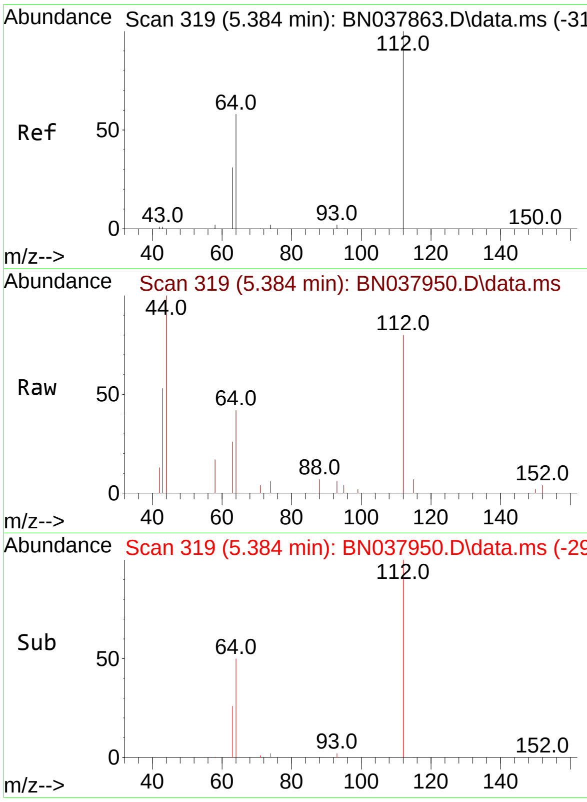
#2
1,4-Dioxane
Concen: 0.183 ng
RT: 3.290 min Scan# 29
Delta R.T. -0.007 min
Lab File: BN037950.D
Acq: 30 Sep 2025 17:46

Tgt Ion: 88 Resp: 1591

Ion	Ratio	Lower	Upper
88	100		
43	62.4	26.6	39.8#
58	86.7	58.9	88.3



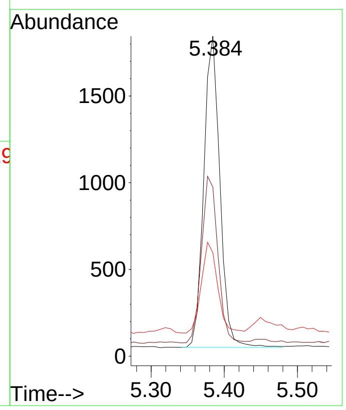
Instrument :
BNA_N
ClientSampleId :
TT149S1-20250922

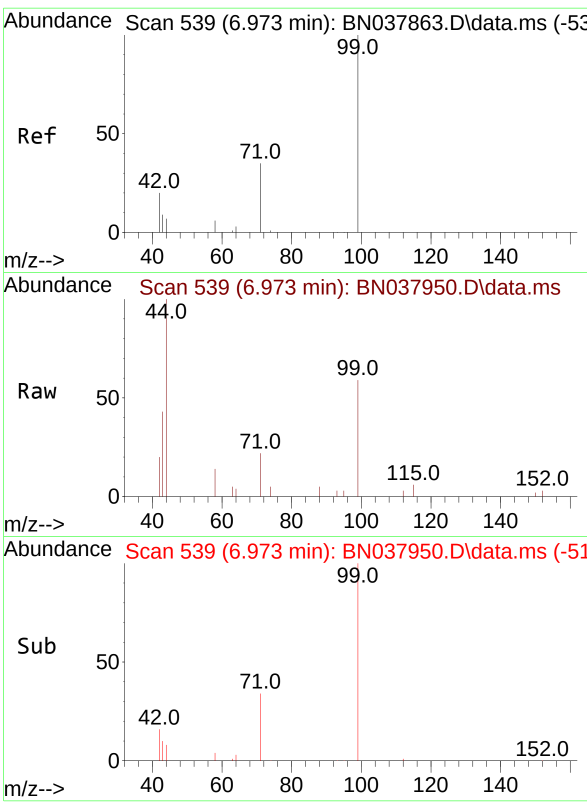


#4
2-Fluorophenol
Concen: 0.141 ng
RT: 5.384 min Scan# 3
Delta R.T. -0.000 min
Lab File: BN037950.D
Acq: 30 Sep 2025 17:46

Tgt Ion:112 Resp: 2753

Ion	Ratio	Lower	Upper
112	100		
64	54.3	44.6	66.8
63	29.3	24.9	37.3

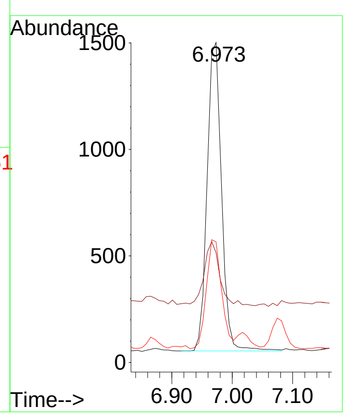




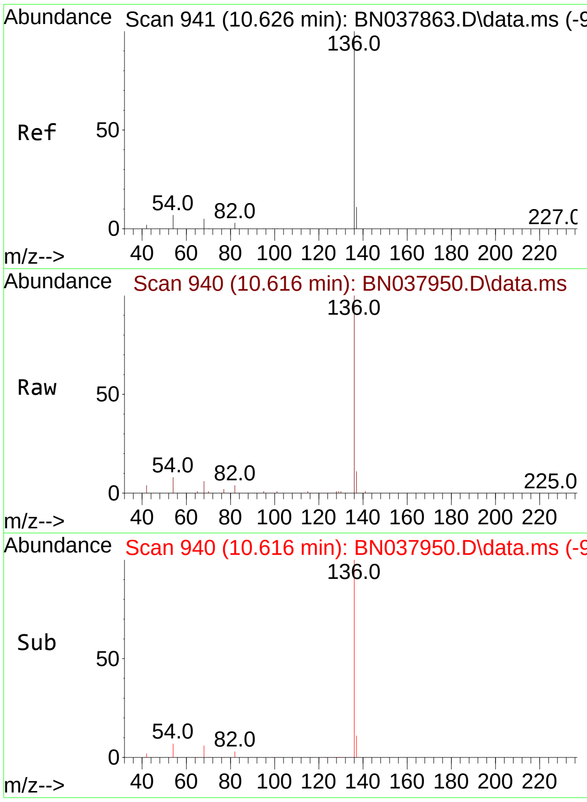
#5
Phenol-d6
Concen: 0.094 ng
RT: 6.973 min Scan# 539
Delta R.T. -0.000 min
Lab File: BN037950.D
Acq: 30 Sep 2025 17:46

Tgt Ion: 99 Resp: 2412

Ion	Ratio	Lower	Upper
99	100		
42	22.5	17.2	25.8
71	37.3	27.3	40.9



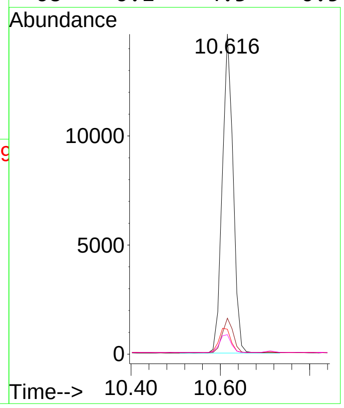
Instrument :
BNA_N
ClientSampleId :
TT149S1-20250922

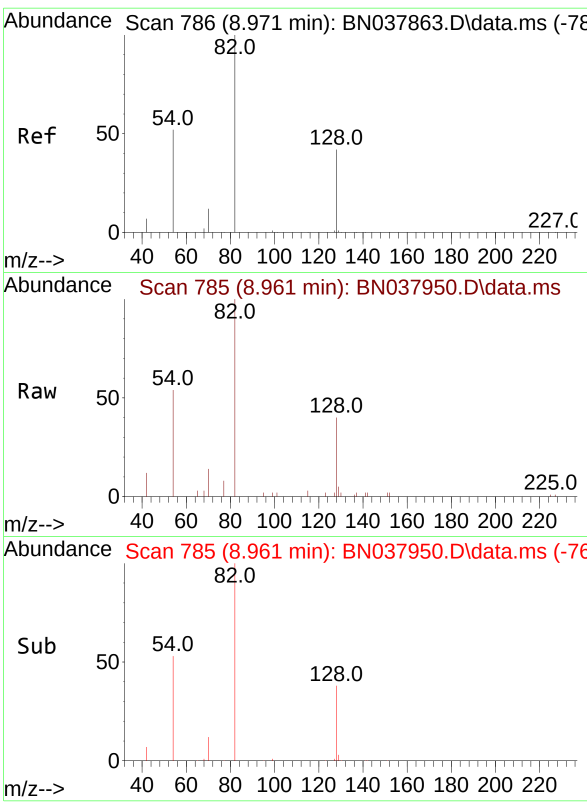


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.616 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037950.D
Acq: 30 Sep 2025 17:46

Tgt Ion:136 Resp: 24701

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	7.8	5.8	8.8
68	6.1	4.3	6.5

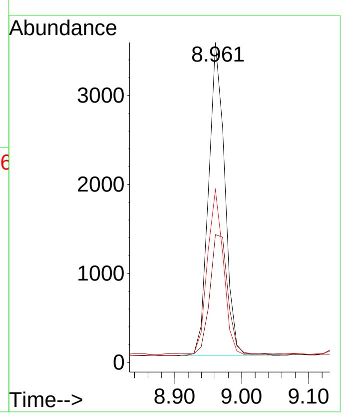




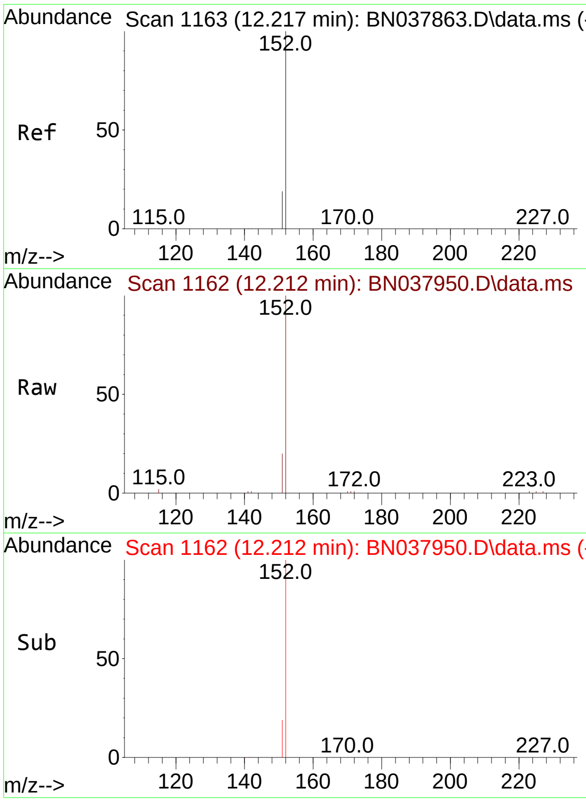
#8
Nitrobenzene-d5
Concen: 0.315 ng
RT: 8.961 min Scan# 785
Delta R.T. -0.011 min
Lab File: BN037950.D
Acq: 30 Sep 2025 17:46

Tgt Ion: 82 Resp: 5941

Ion	Ratio	Lower	Upper
82	100		
128	39.9	34.8	52.2
54	54.0	42.2	63.2

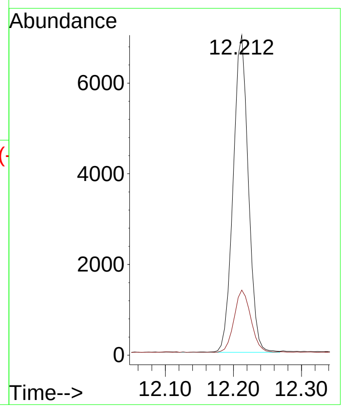


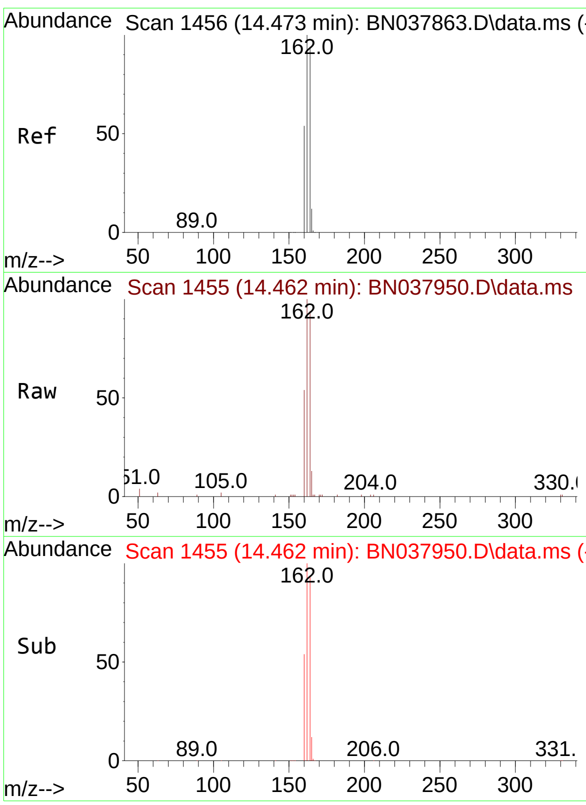
Instrument :
BNA_N
ClientSampleId :
TT149S1-20250922




```
#11
2-Methylnaphthalene-d10
Concen:    0.317 ng
RT:  12.212 min  Scan# 1
Delta R.T.   -0.005 min
Lab File:    BN037950.D
Acq: 30 Sep 2025  17:46

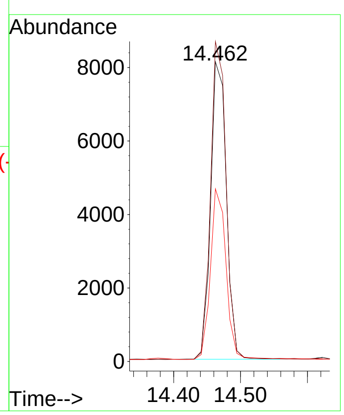
Tgt Ion:152 Resp:   10860
Ion  Ratio  Lower  Upper
152  100
151   21.5   17.4   26.2
```



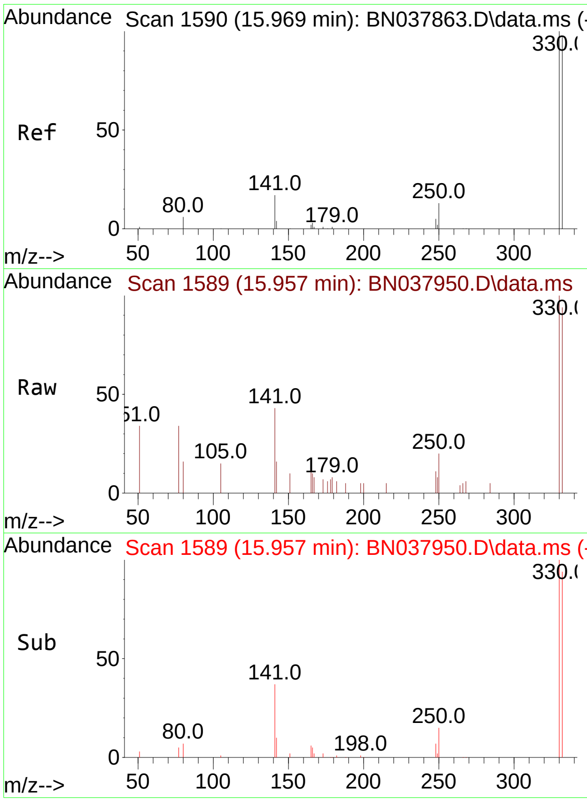



```
#13
Acenaphthene-d10
Concen:    0.400 ng
RT:  14.462 min  Scan# 1455
Delta R.T.   -0.011 min
Lab File:    BN037950.D
Acq: 30 Sep 2025  17:46

Tgt Ion:164 Resp:   13182
Ion  Ratio  Lower  Upper
164  100
162  106.8   84.8  127.2
160   57.6   46.1   69.1
```



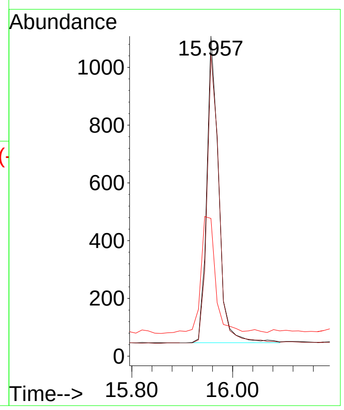
Instrument :
BNA_N
ClientSampleId :
TT149S1-20250922

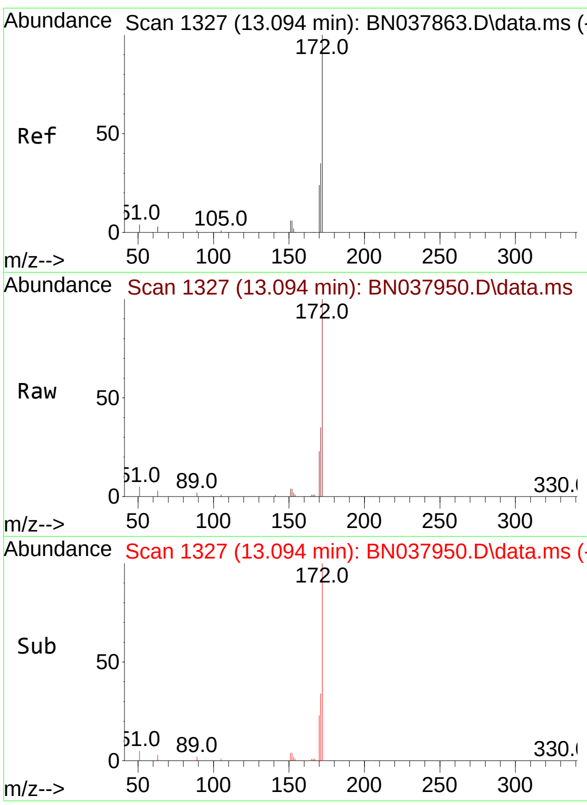


#14
2,4,6-Tribromophenol
Concen: 0.350 ng
RT: 15.957 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037950.D
Acq: 30 Sep 2025 17:46

Tgt Ion:330 Resp: 1747

Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.2	115.8
141	47.6	37.2	55.8

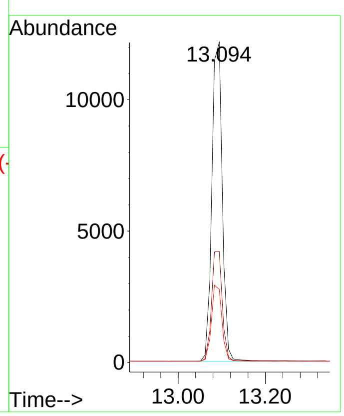




#15
2-Fluorobiphenyl
Concen: 0.364 ng
RT: 13.094 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BN037950.D
Acq: 30 Sep 2025 17:46

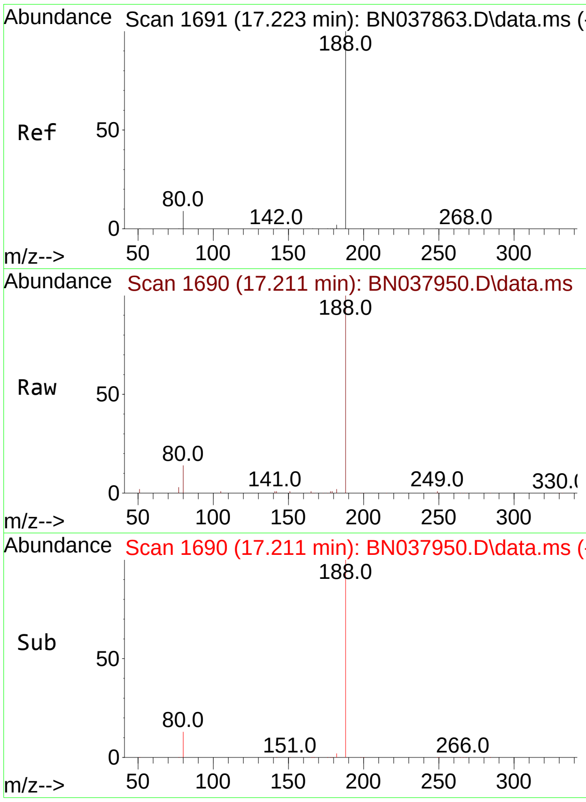
Tgt Ion:172 Resp: 19652

Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.6	43.0
170	22.9	19.7	29.5



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

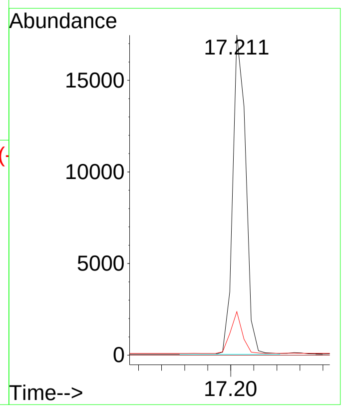
Instrument :
BNA_N
ClientSampleId :
TT149S1-20250922

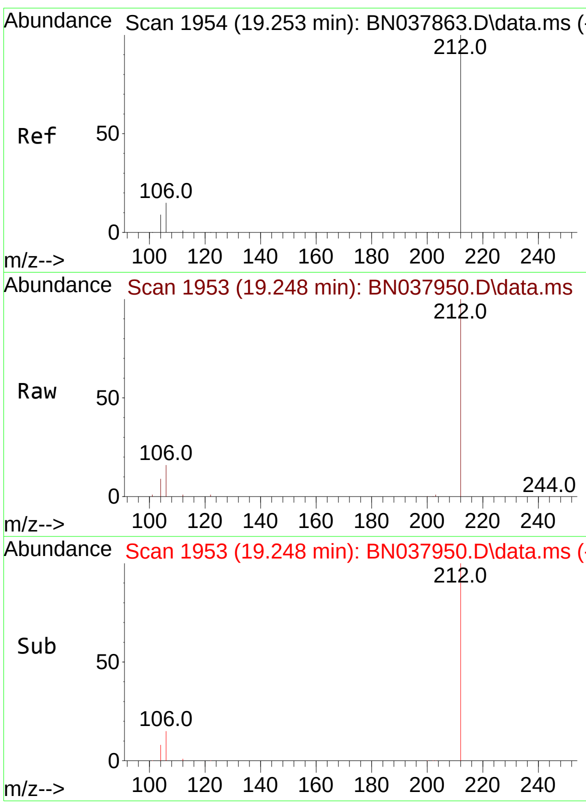


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.211 min Scan# 1(
Delta R.T. -0.012 min
Lab File: BN037950.D
Acq: 30 Sep 2025 17:46

Tgt Ion:188 Resp: 27317

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	13.6	7.6	11.4#

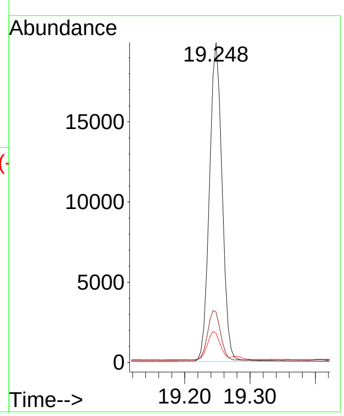




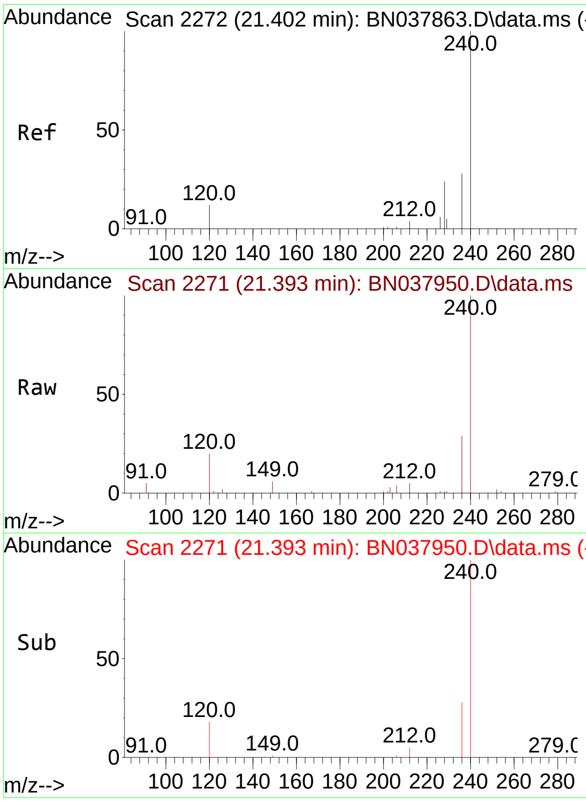
#27
Fluoranthene-d10
Concen: 0.390 ng
RT: 19.248 min Scan# 1953
Delta R.T. -0.005 min
Lab File: BN037950.D
Acq: 30 Sep 2025 17:46

Tgt Ion:212 Resp: 26822

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

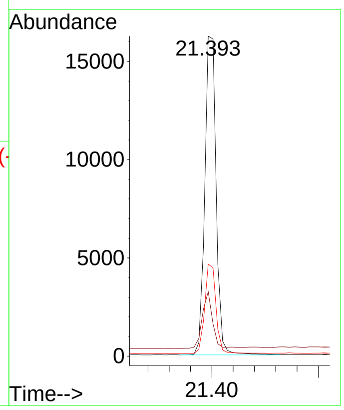


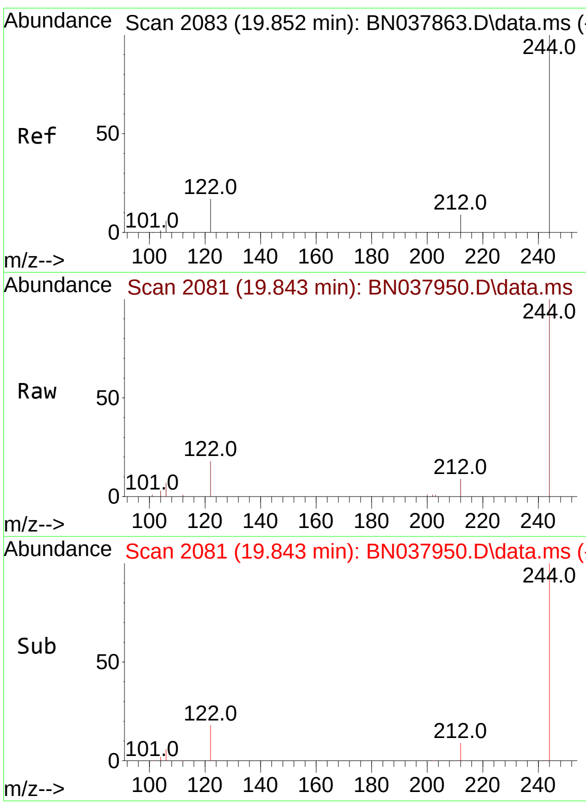
Instrument :
BNA_N
ClientSampleId :
TT149S1-20250922



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.393 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037950.D
Acq: 30 Sep 2025 17:46

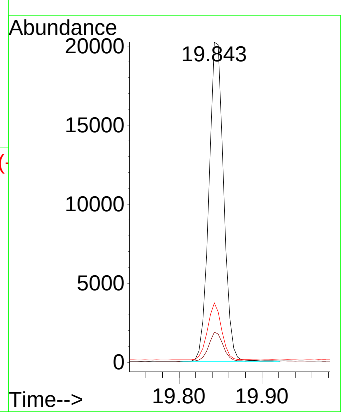
Tgt Ion:240	Resp:		23956
Ion	Ratio	Lower	Upper
240	100		
120	20.2	11.4	17.2#
236	28.8	23.0	34.6



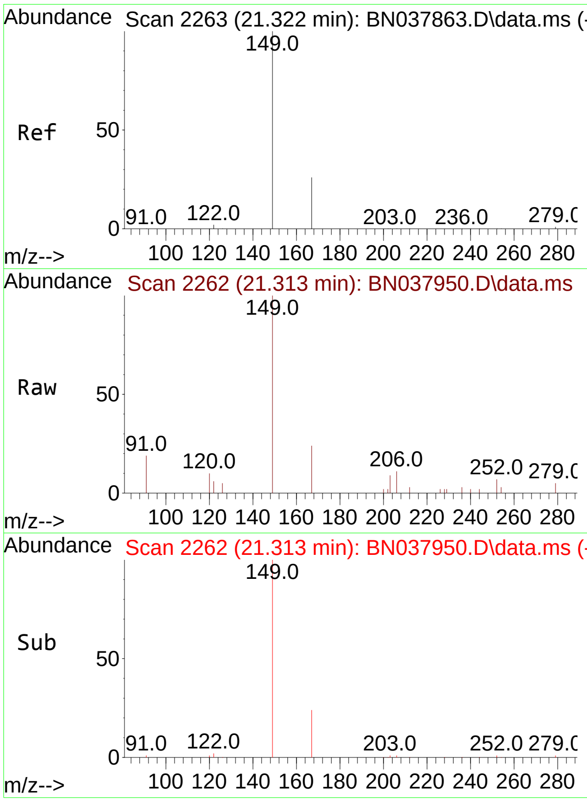


#31
Terphenyl-d14
Concen: 0.523 ng
RT: 19.843 min Scan# 2081
Delta R.T. -0.009 min
Lab File: BN037950.D
Acq: 30 Sep 2025 17:46

Tgt Ion:244	Resp:		24948
Ion	Ratio	Lower	Upper
244	100		
212	9.4	7.6	11.4
122	18.5	13.9	20.9



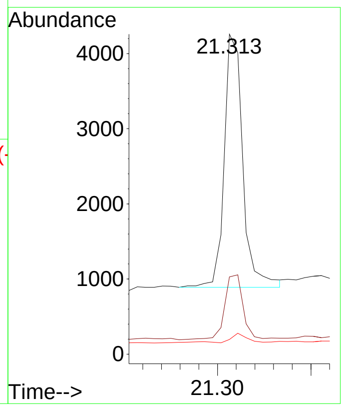
Instrument : BNA_N
ClientSampleId : TT149S1-20250922

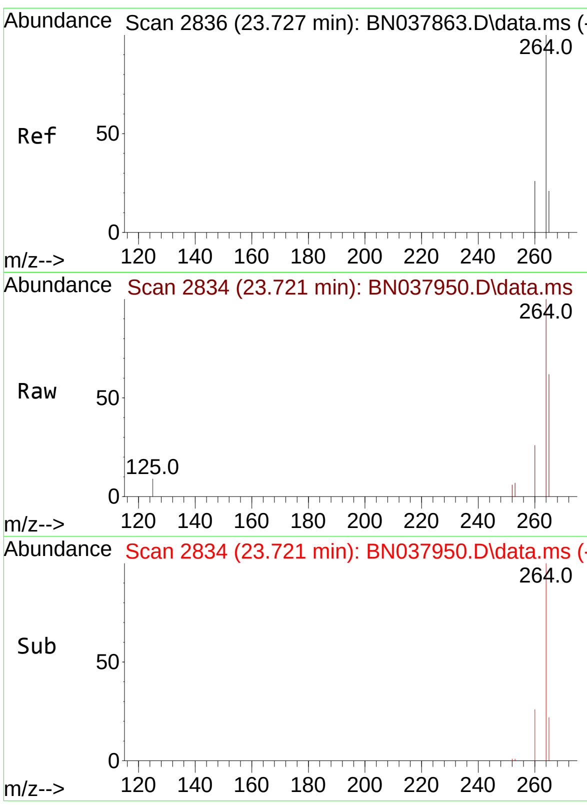


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.140 ng
RT: 21.313 min Scan# 2262
Delta R.T. -0.009 min
Lab File: BN037950.D
Acq: 30 Sep 2025 17:46

Tgt Ion:149 Resp: 4645

Ion	Ratio	Lower	Upper
149	100		
167	25.9	20.4	30.6
279	3.1	2.4	3.6

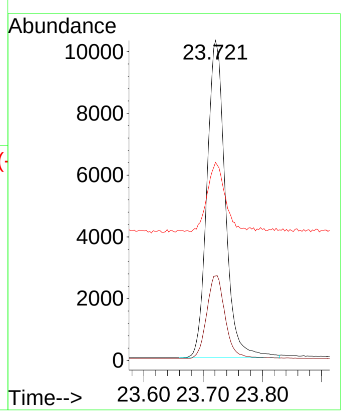




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.721 min Scan# 2834
Delta R.T. -0.006 min
Lab File: BN037950.D
Acq: 30 Sep 2025 17:46

Tgt Ion:264 Resp: 22179

Ion	Ratio	Lower	Upper
264	100		
260	26.4	21.5	32.3
265	61.9	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:	09/22/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258			Date Received:	09/24/25
Client Sample ID:	RE137-20250922			SDG No.:	Q3193
Lab Sample ID:	Q3193-05			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
BN037951.D	1	09/29/25 08:43	09/30/25 18:22	PB169886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	4.40		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.30		30 - 150		74%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.40		30 - 150		101%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.33		55 - 111		81%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.33		53 - 106		82%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.45		58 - 132		113%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7660	7.811				
1146-65-2	Naphthalene-d8	22200	10.616				
15067-26-2	Acenaphthene-d10	11700	14.462				
1517-22-2	Phenanthrene-d10	23900	17.211				
1719-03-5	Chrysene-d12	23900	21.393				
1520-96-3	Perylene-d12	22400	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

Quantitation Report (QT Reviewed)

Sample Results: **BN037951.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN093025\
Data File : BN037951.D
Acq On : 30 Sep 2025 18:22
Operator : RC/JU
Sample : Q3193-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE137-20250922

Quant Time: Sep 30 18:48:17 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	7660	0.400	ng	-0.01
7) Naphthalene-d8	10.616	136	22207	0.400	ng	-0.01
13) Acenaphthene-d10	14.462	164	11684	0.400	ng	-0.01
19) Phenanthrene-d10	17.211	188	23947	0.400	ng	#-0.01
29) Chrysene-d12	21.393	240	23880	0.400	ng	# 0.00
35) Perylene-d12	23.721	264	22435	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.384	112	2530	0.145	ng	0.00
5) Phenol-d6	6.973	99	2037	0.089	ng	0.00
8) Nitrobenzene-d5	8.961	82	5522	0.326	ng	-0.01
11) 2-Methylnaphthalene-d10	12.212	152	9130	0.296	ng	0.00
14) 2,4,6-Tribromophenol	15.957	330	1395	0.315	ng	-0.01
15) 2-Fluorobiphenyl	13.094	172	15694	0.328	ng	0.00
27) Fluoranthene-d10	19.248	212	24348	0.404	ng	0.00
31) Terphenyl-d14	19.847	244	21444	0.451	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.283	88	33996	4.372	ng	97
6) bis(2-Chloroethyl)ether	7.233	93	480	0.023	ng	88
34) Bis(2-ethylhexyl)phtha...	21.313	149	4672	0.142	ng	# 99

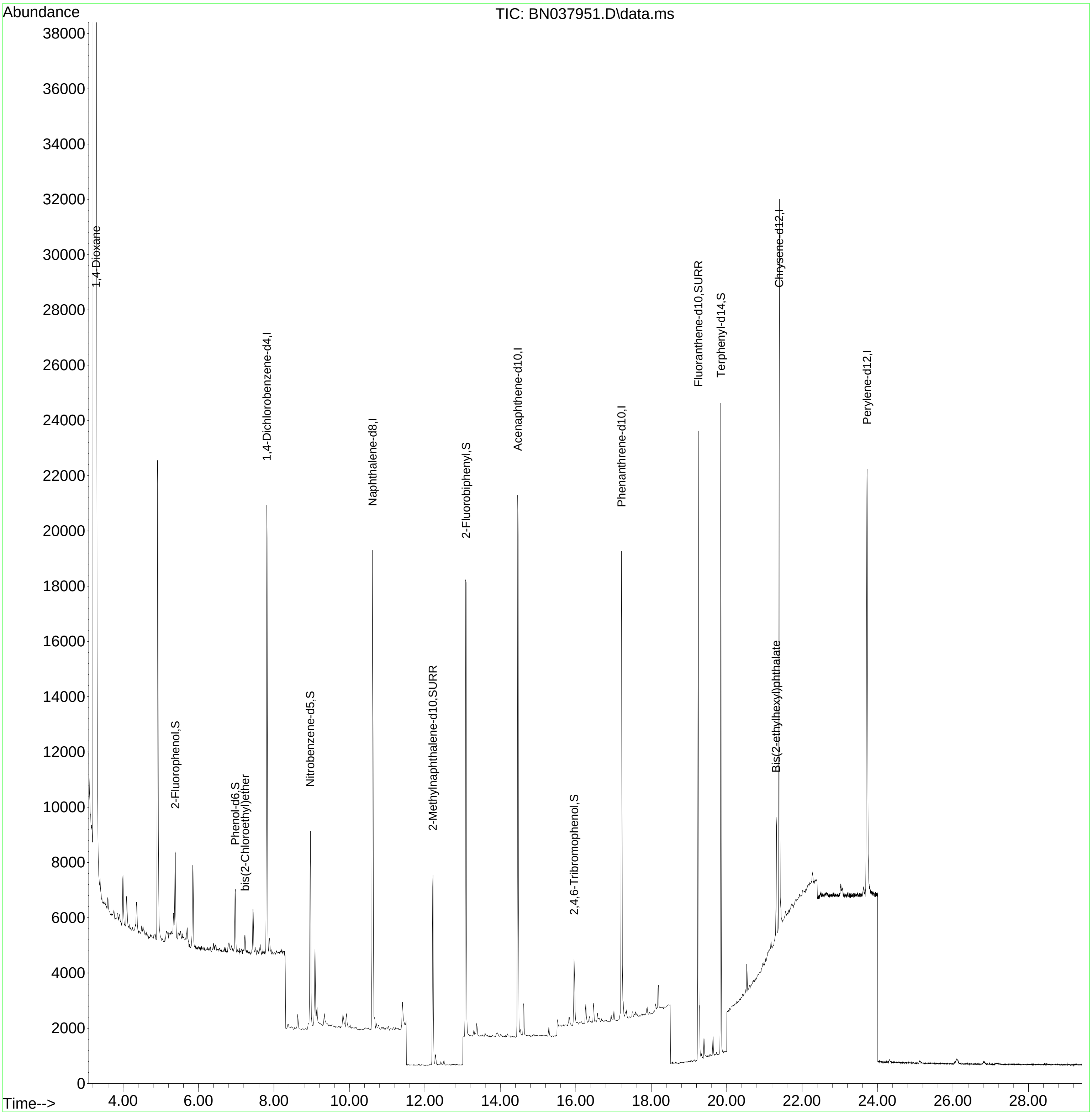
(#) = qualifier out of range (m) = manual integration (+) = signals summed

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

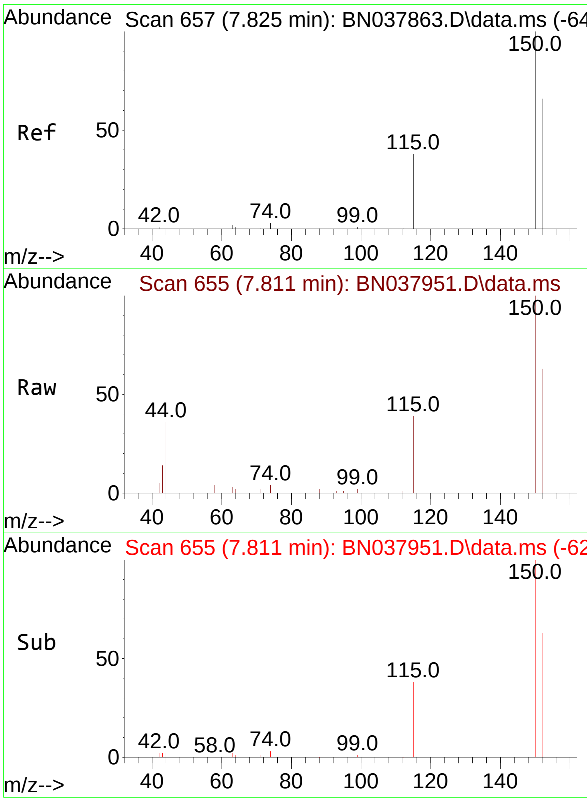
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN093025\
Data File : BN037951.D
Acq On : 30 Sep 2025 18:22
Operator : RC/JU
Sample : Q3193-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE137-20250922

Quant Time: Sep 30 18:48:17 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

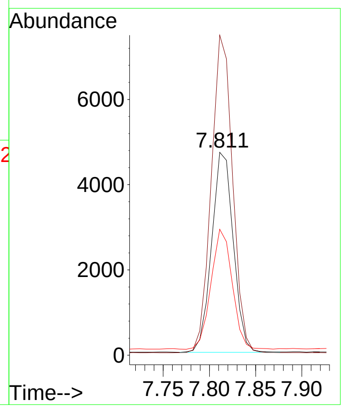


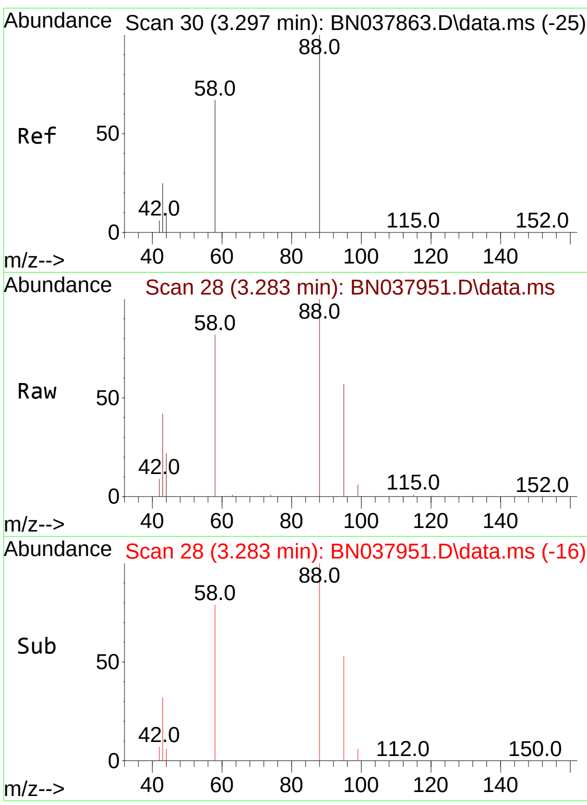
Instrument :
BNA_N
ClientSampleId :
RE137-20250922




```
#1
1,4-Dichlorobenzene-d4
Concen:    0.400 ng
RT:   7.811 min  Scan# 6
Delta R.T.  -0.014 min
Lab File:   BN037951.D
Acq: 30 Sep 2025  18:22

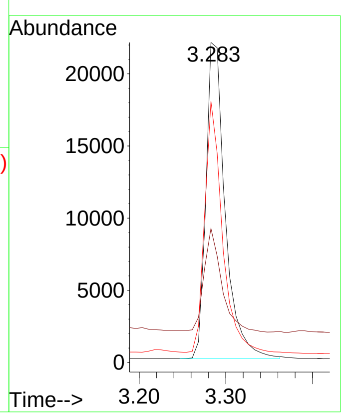
Tgt Ion:152 Resp:    7660
Ion  Ratio  Lower  Upper
152  100
150  157.7  121.0  181.4
115   62.1   47.4   71.0
```






```
#2
1,4-Dioxane
Concen:    4.372 ng
RT:   3.283 min  Scan# 28
Delta R.T.  -0.014 min
Lab File:   BN037951.D
Acq: 30 Sep 2025  18:22

Tgt Ion: 88 Resp:   33996
Ion  Ratio  Lower  Upper
 88  100
 43   29.8   26.6   39.8
 58   72.7   58.9   88.3
```



Instrument :
BNA_N
ClientSampleId :
RE137-20250922

1
2
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11
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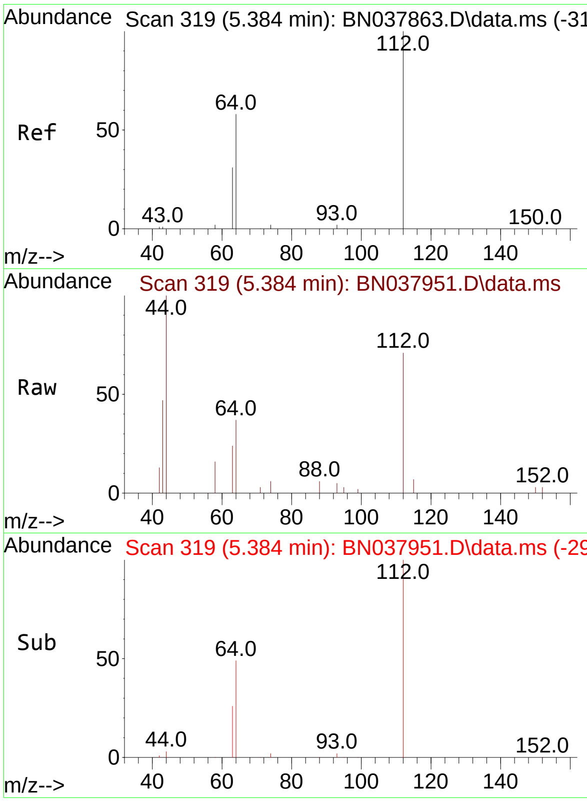
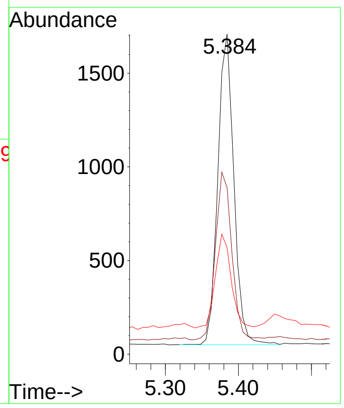
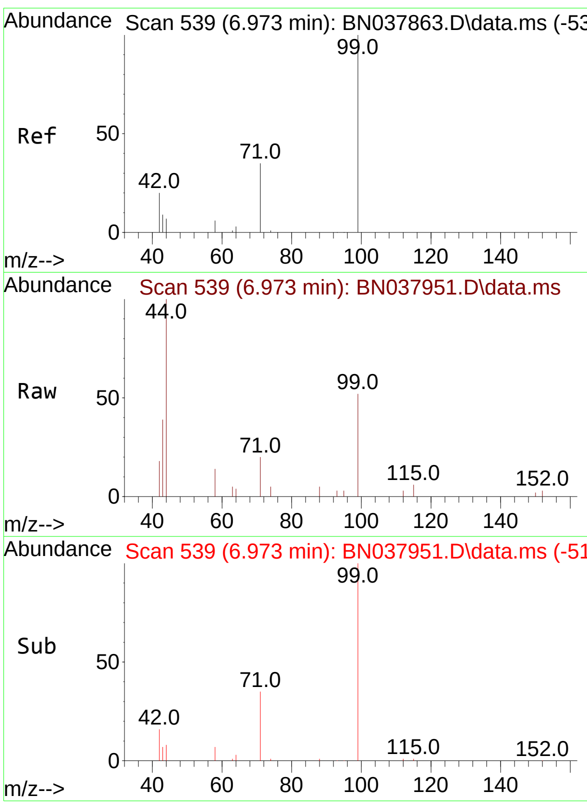


#4
2-Fluorophenol
Concen: 0.145 ng
RT: 5.384 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN037951.D
Acq: 30 Sep 2025 18:22

Tgt Ion:112 Resp: 2530

Ion	Ratio	Lower	Upper
112	100		
64	55.2	44.6	66.8
63	29.9	24.9	37.3

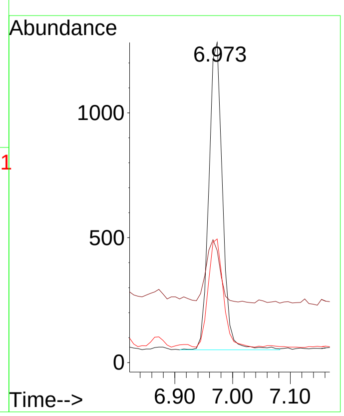




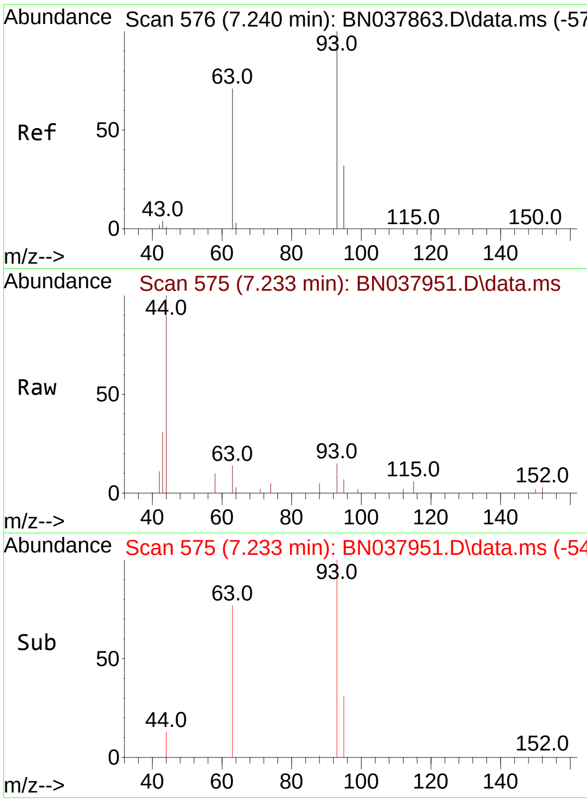
#5
Phenol-d6
Concen: 0.089 ng
RT: 6.973 min Scan# 539
Delta R.T. 0.000 min
Lab File: BN037951.D
Acq: 30 Sep 2025 18:22

Tgt Ion: 99 Resp: 2037

Ion	Ratio	Lower	Upper
99	100		
42	20.9	17.2	25.8
71	38.3	27.3	40.9



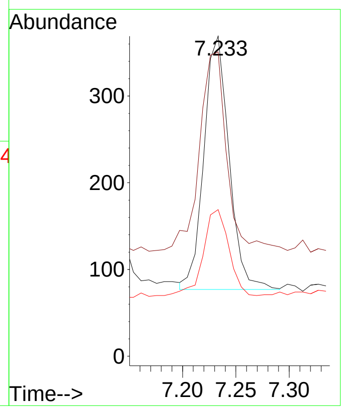
Instrument : BNA_N
ClientSampleId : RE137-20250922

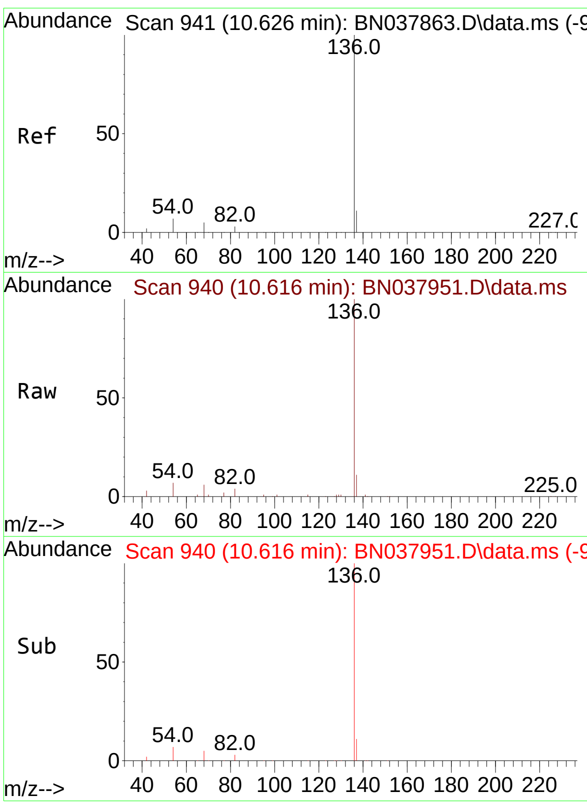


#6
bis(2-Chloroethyl)ether
Concen: 0.023 ng
RT: 7.233 min Scan# 575
Delta R.T. -0.007 min
Lab File: BN037951.D
Acq: 30 Sep 2025 18:22

Tgt Ion: 93 Resp: 480

Ion	Ratio	Lower	Upper
93	100		
63	86.0	60.1	90.1
95	37.5	25.4	38.2

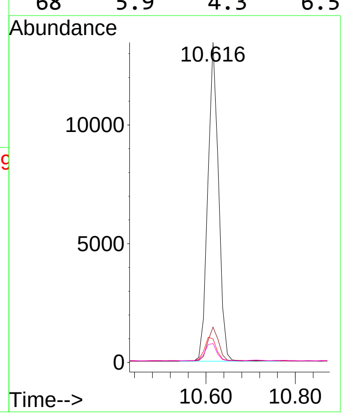




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.616 min Scan# 940
Delta R.T. -0.011 min
Lab File: BN037951.D
Acq: 30 Sep 2025 18:22

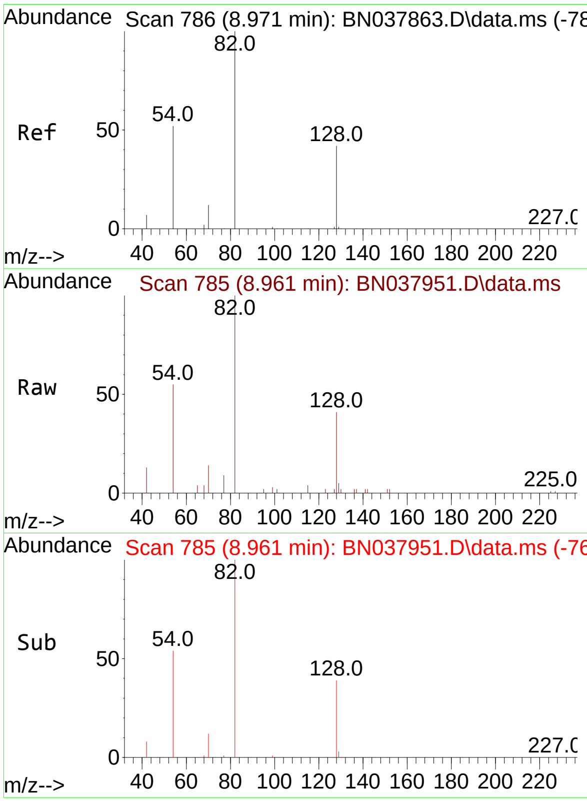
Tgt Ion:136 Resp: 22207

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	7.3	5.8	8.8
68	5.9	4.3	6.5



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

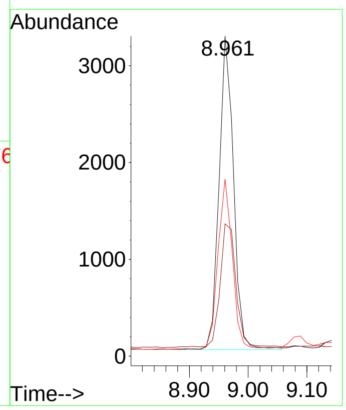
Instrument :
BNA_N
ClientSampleId :
RE137-20250922

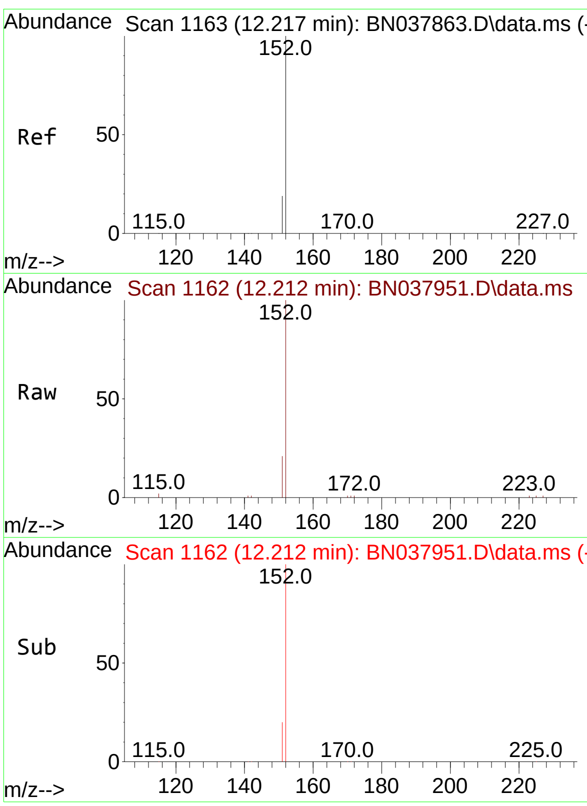


#8
Nitrobenzene-d5
Concen: 0.326 ng
RT: 8.961 min   Scan# 7
Delta R.T.   -0.011 min
Lab File: BN037951.D
Acq: 30 Sep 2025   18:22

Tgt Ion: 82 Resp: 5522

Ion	Ratio	Lower	Upper
82	100		
128	41.4	34.8	52.2
54	55.3	42.2	63.2

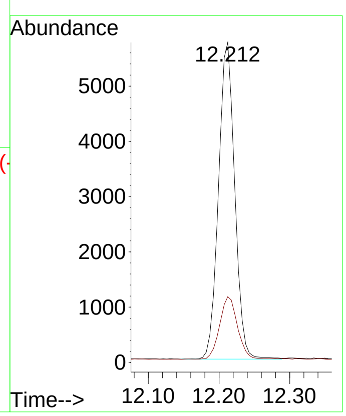




#11
2-Methylnaphthalene-d10
Concen: 0.296 ng
RT: 12.212 min   Scan# 1162
Delta R.T.   -0.005 min
Lab File: BN037951.D
Acq: 30 Sep 2025   18:22

Tgt Ion:152 Resp: 9130

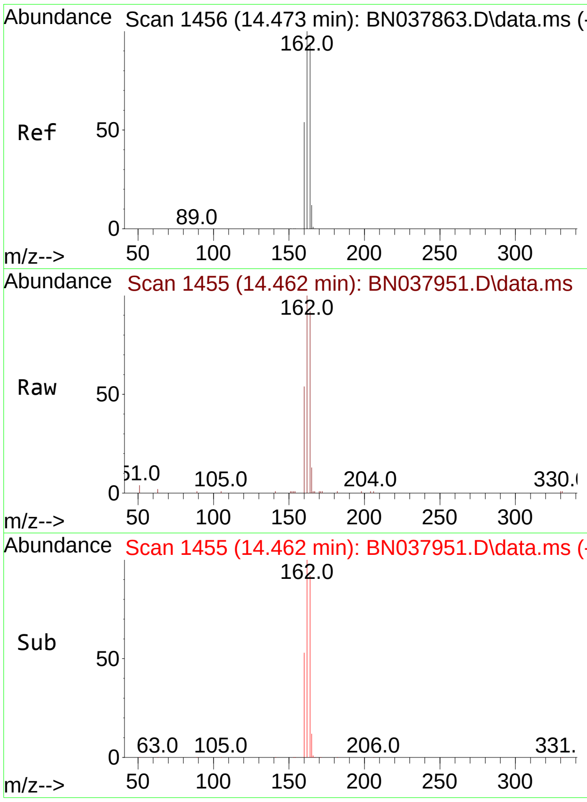
Ion	Ratio	Lower	Upper
152	100		
151	21.5	17.4	26.2



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

Instrument :
BNA_N
ClientSampleId :
RE137-20250922

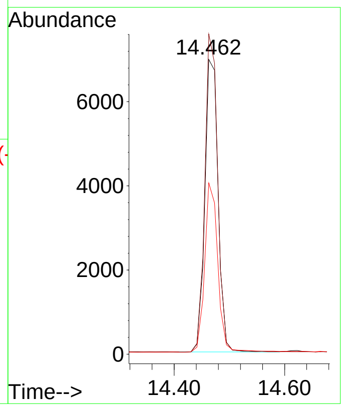
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

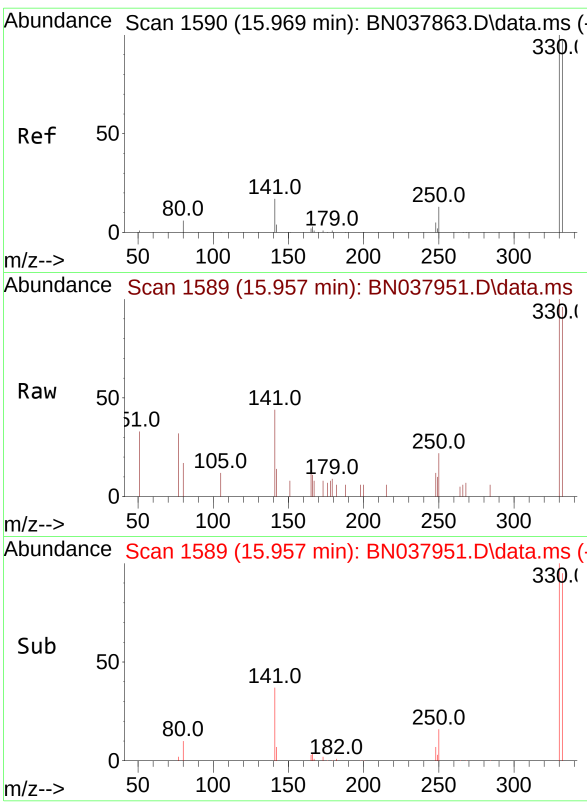


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.462 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN037951.D
Acq: 30 Sep 2025 18:22

Tgt Ion:164 Resp: 11684

Ion	Ratio	Lower	Upper
164	100		
162	108.5	84.8	127.2
160	58.1	46.1	69.1

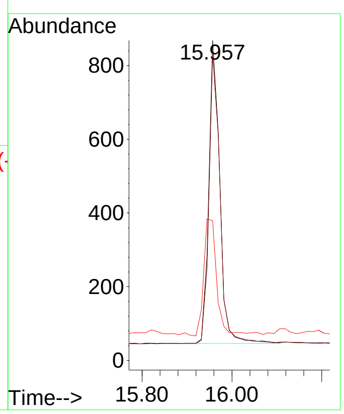




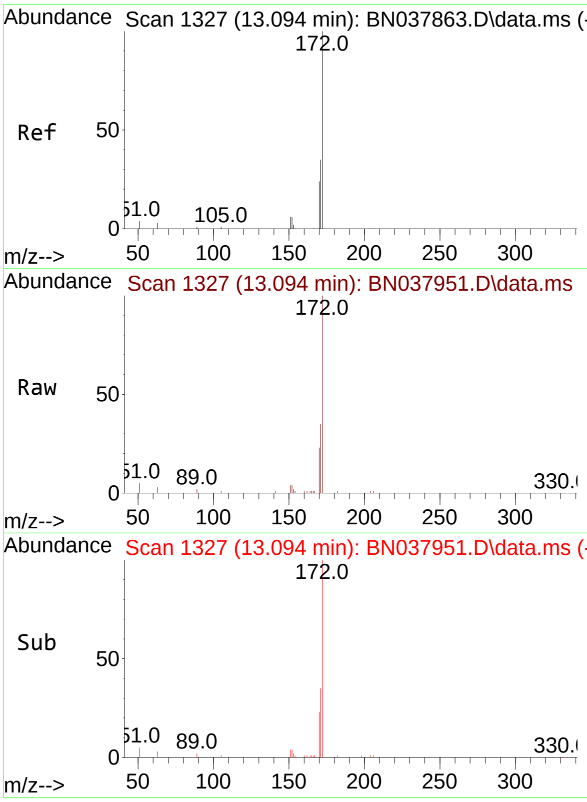
#14
2,4,6-Tribromophenol
Concen: 0.315 ng
RT: 15.957 min Scan# 1589
Delta R.T. -0.012 min
Lab File: BN037951.D
Acq: 30 Sep 2025 18:22

Tgt Ion:330 Resp: 1395

Ion	Ratio	Lower	Upper
330	100		
332	95.3	77.2	115.8
141	45.7	37.2	55.8



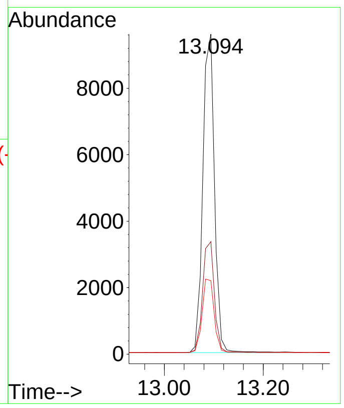
Instrument :
BNA_N
ClientSampleId :
RE137-20250922

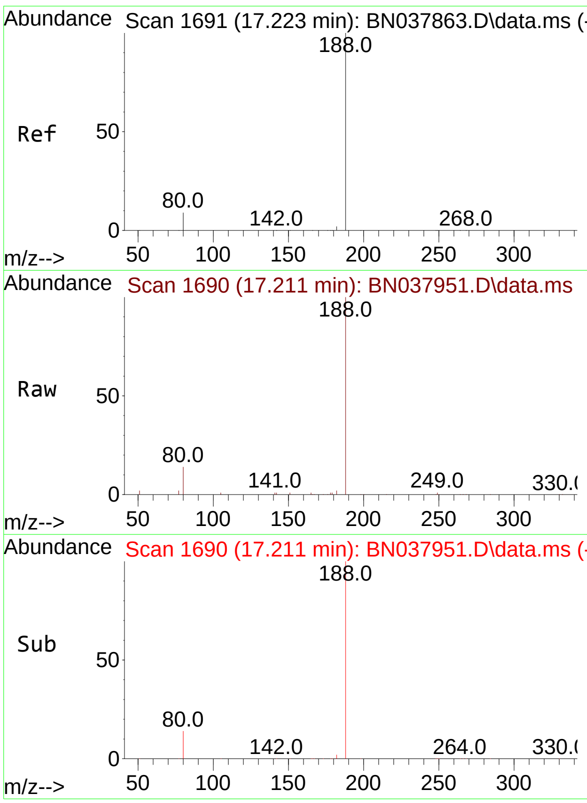


#15
2-Fluorobiphenyl
Concen: 0.328 ng
RT: 13.094 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037951.D
Acq: 30 Sep 2025 18:22

Tgt Ion:172 Resp: 15694

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.6	43.0
170	23.0	19.7	29.5

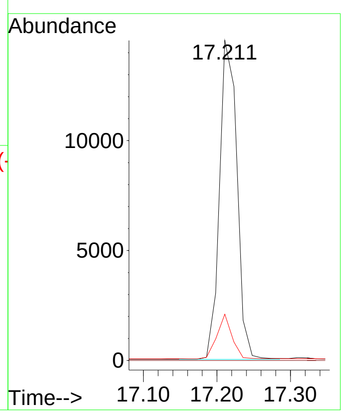




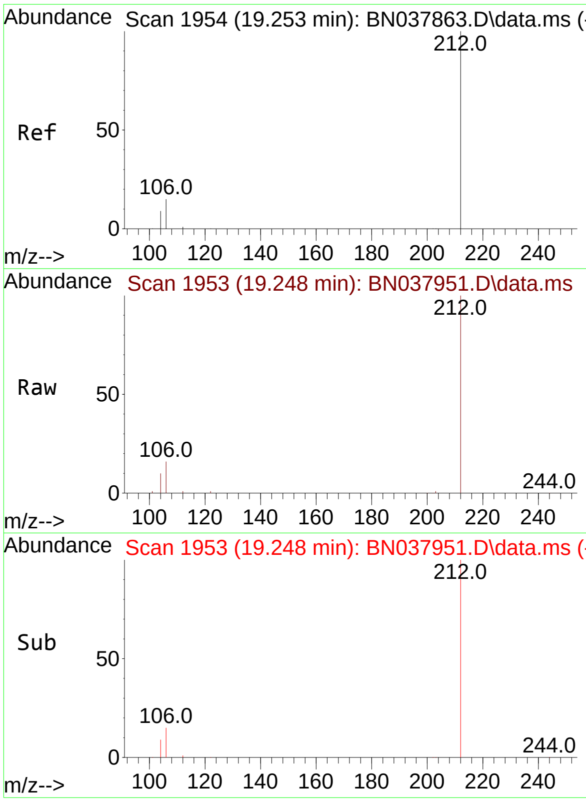
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.211 min Scan# 1690
Delta R.T. -0.012 min
Lab File: BN037951.D
Acq: 30 Sep 2025 18:22

Tgt Ion:188 Resp: 23947

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



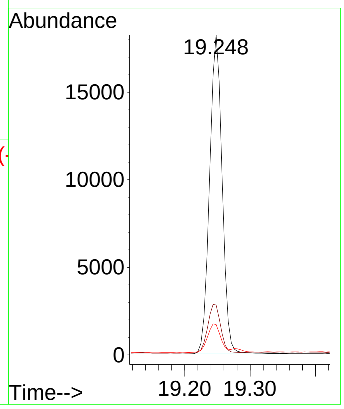
Instrument :
BNA_N
ClientSampleId :
RE137-20250922

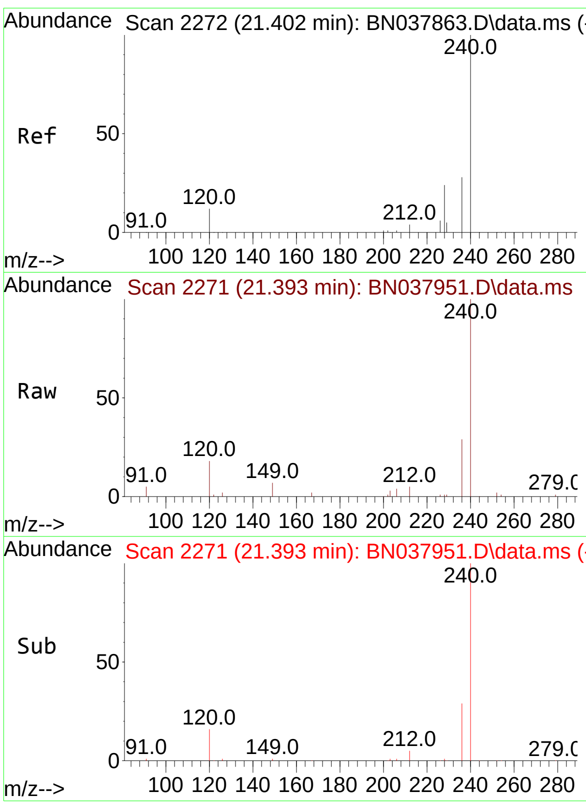


#27
Fluoranthene-d10
Concen: 0.404 ng
RT: 19.248 min Scan# 19
Delta R.T. -0.005 min
Lab File: BN037951.D
Acq: 30 Sep 2025 18:22

Tgt Ion:212 Resp: 24348

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

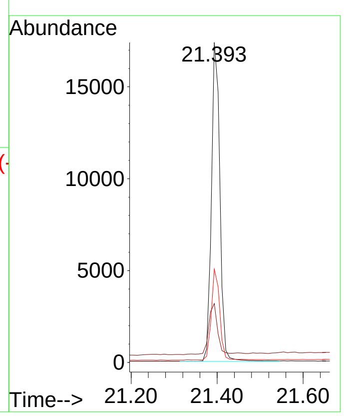




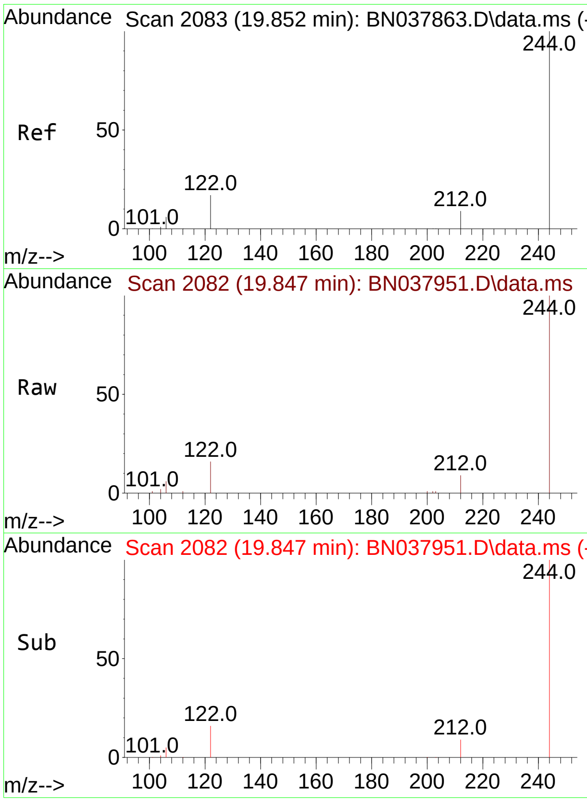
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.393 min Scan# 2271
Delta R.T. -0.009 min
Lab File: BN037951.D
Acq: 30 Sep 2025 18:22

Tgt Ion:240 Resp: 23880

Ion	Ratio	Lower	Upper
240	100		
120	18.4	11.4	17.2#
236	29.2	23.0	34.6



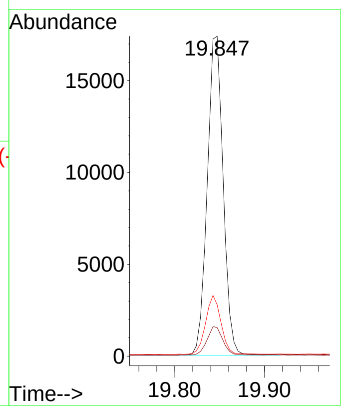
Instrument : BNA_N
ClientSampleId : RE137-20250922

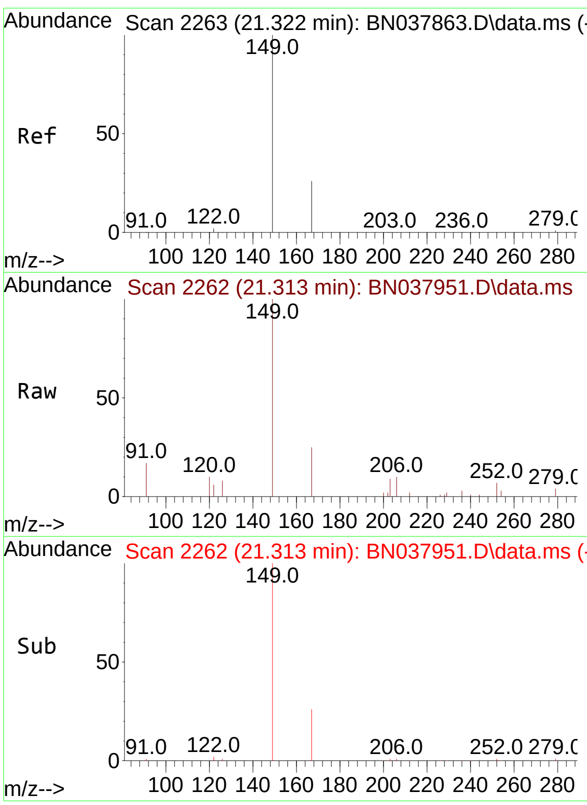


#31
Terphenyl-d14
Concen: 0.451 ng
RT: 19.847 min Scan# 2082
Delta R.T. -0.005 min
Lab File: BN037951.D
Acq: 30 Sep 2025 18:22

Tgt Ion:244 Resp: 21444

Ion	Ratio	Lower	Upper
244	100		
212	9.0	7.6	11.4
122	16.1	13.9	20.9

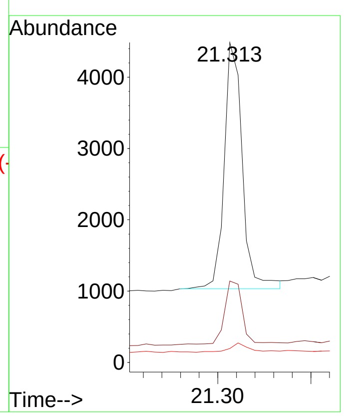


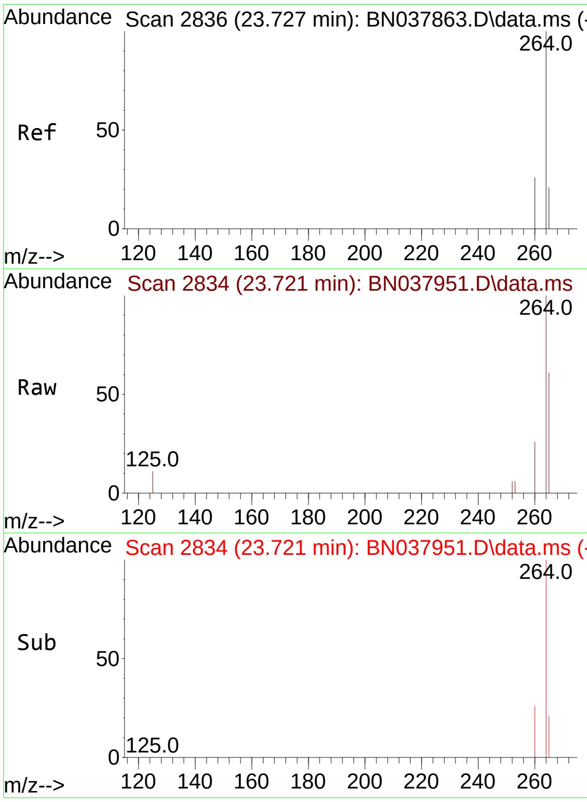


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.142 ng
RT: 21.313 min Scan# 2262
Delta R.T. -0.009 min
Lab File: BN037951.D
Acq: 30 Sep 2025 18:22

Tgt Ion:149 Resp: 4672

Ion	Ratio	Lower	Upper
149	100		
167	25.7	20.4	30.6
279	4.2	2.4	3.6#



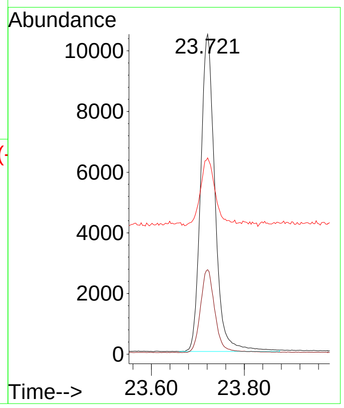


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.721 min Scan# 28
Delta R.T. -0.006 min
Lab File: BN037951.D
Acq: 30 Sep 2025 18:22

Instrument :
BNA_N
ClientSampleId :
RE137-20250922

Tgt Ion:264 Resp: 22435

Ion	Ratio	Lower	Upper
264	100		
260	26.4	21.5	32.3
265	61.3	53.8	80.6



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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:	09/22/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	RW4-20250922	SDG No.:	Q3193
Lab Sample ID:	Q3193-06	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
BN037952.D	1	09/29/25 08:43	09/30/25 18:59	PB169886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	3.20		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.26		30 - 150		65%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.37		30 - 150		92%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.30		55 - 111		74%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.30		53 - 106		74%	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	7790	7.811				
1146-65-2	Naphthalene-d8	22500	10.616				
15067-26-2	Acenaphthene-d10	11800	14.462				
1517-22-2	Phenanthrene-d10	24700	17.211				
1719-03-5	Chrysene-d12	21500	21.393				
1520-96-3	Perylene-d12	19700	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\BN093025\
Data File : BN037952.D
Acq On : 30 Sep 2025 18:59
Operator : RC/JU
Sample : Q3193-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RW4-20250922

Quant Time: Oct 01 01:22:46 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	7793	0.400	ng	-0.01
7) Naphthalene-d8	10.616	136	22517	0.400	ng	-0.01
13) Acenaphthene-d10	14.462	164	11801	0.400	ng	-0.01
19) Phenanthrene-d10	17.211	188	24660	0.400	ng	#-0.01
29) Chrysene-d12	21.393	240	21544	0.400	ng	# 0.00
35) Perylene-d12	23.721	264	19690	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.384	112	2415	0.136	ng	0.00
5) Phenol-d6	6.973	99	1869	0.080	ng	0.00
8) Nitrobenzene-d5	8.961	82	5072	0.295	ng	-0.01
11) 2-Methylnaphthalene-d10	12.212	152	8204	0.262	ng	0.00
14) 2,4,6-Tribromophenol	15.957	330	1246	0.278	ng	-0.01
15) 2-Fluorobiphenyl	13.094	172	14354	0.297	ng	0.00
27) Fluoranthene-d10	19.248	212	22863	0.369	ng	0.00
31) Terphenyl-d14	19.847	244	22253	0.519	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.290	88	25012	3.162	ng	99
34) Bis(2-ethylhexyl)phtha...	21.313	149	3663	0.123	ng	100

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

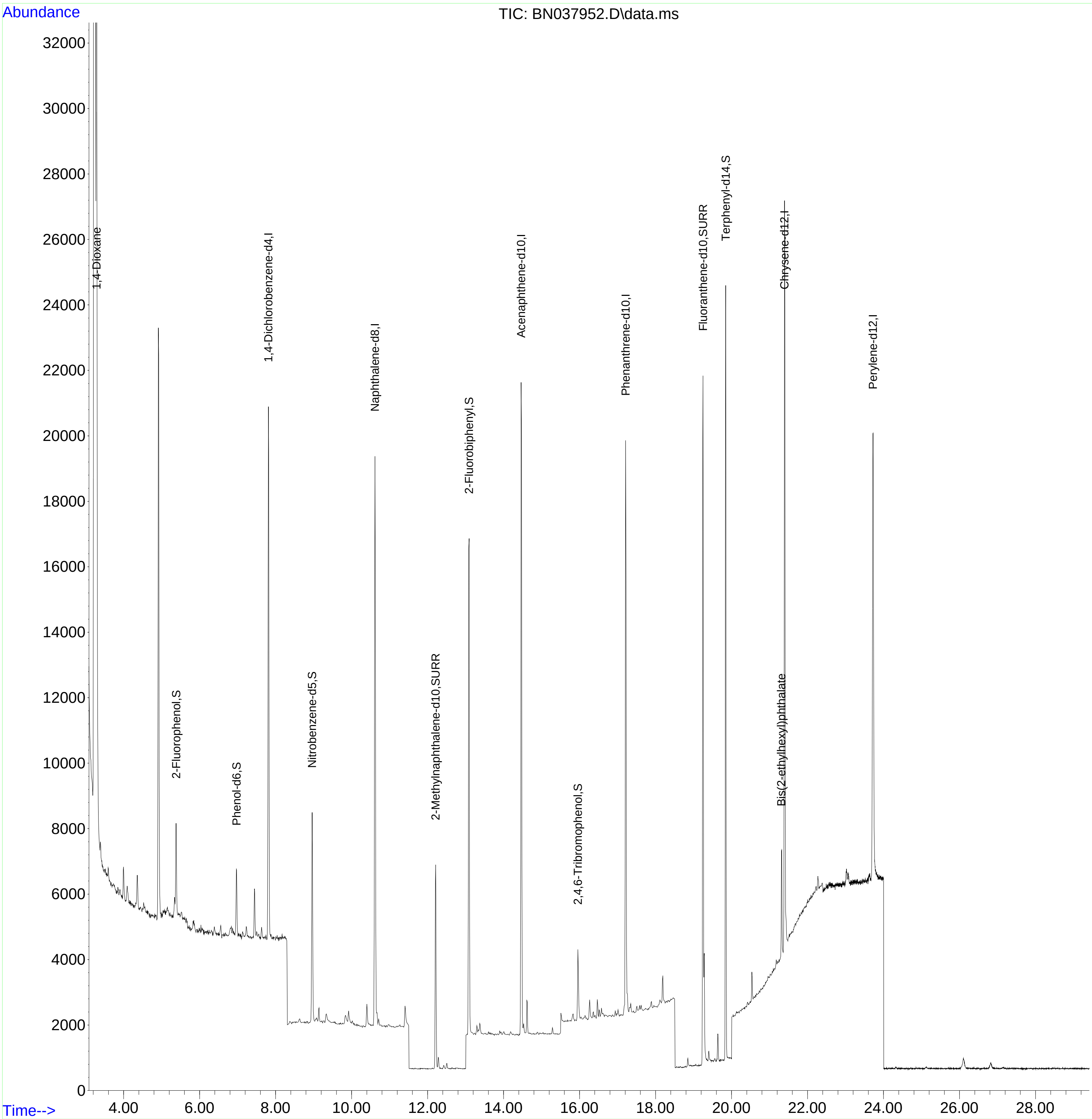
Quantitation Report (QT Reviewed)

Sample Results: **BN037952.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN093025\
Data File : BN037952.D
Acq On : 30 Sep 2025 18:59
Operator : RC/JU
Sample : Q3193-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RW4-20250922

Quant Time: Oct 01 01:22:46 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



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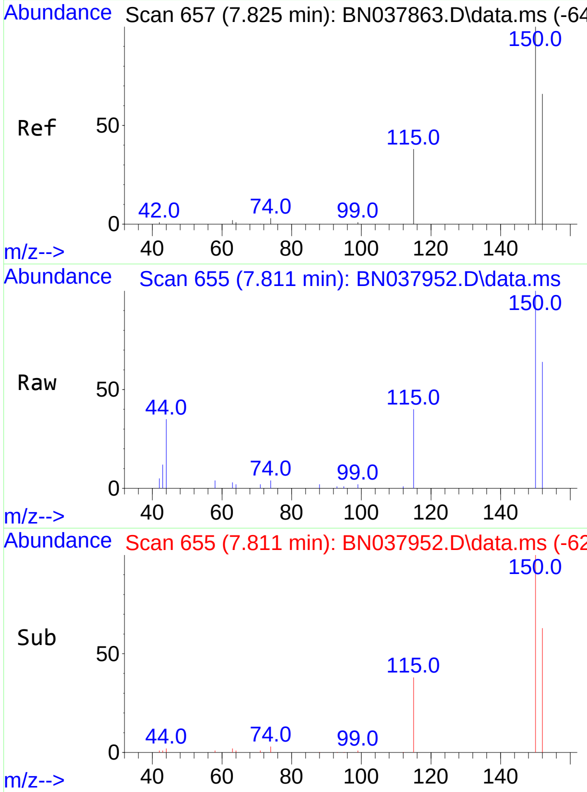
Instrument :
BNA_N
ClientSampleId :
RW4-20250922

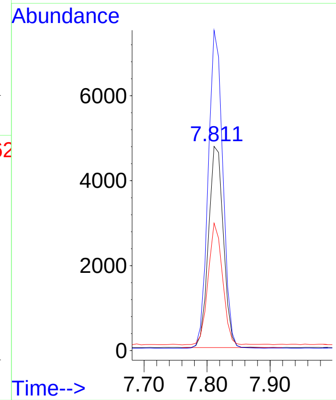
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

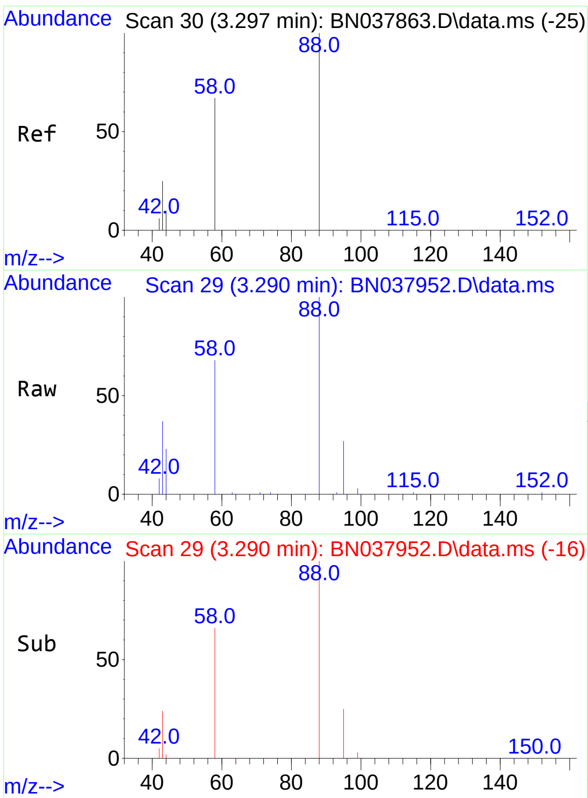


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.811 min Scan# 6
Delta R.T. -0.014 min
Lab File: BN037952.D
Acq: 30 Sep 2025 18:59

Tgt Ion:152 Resp: 7793

Ion	Ratio	Lower	Upper
152	100		
150	156.8	121.0	181.4
115	62.5	47.4	71.0

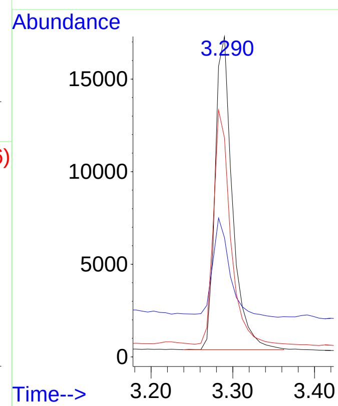




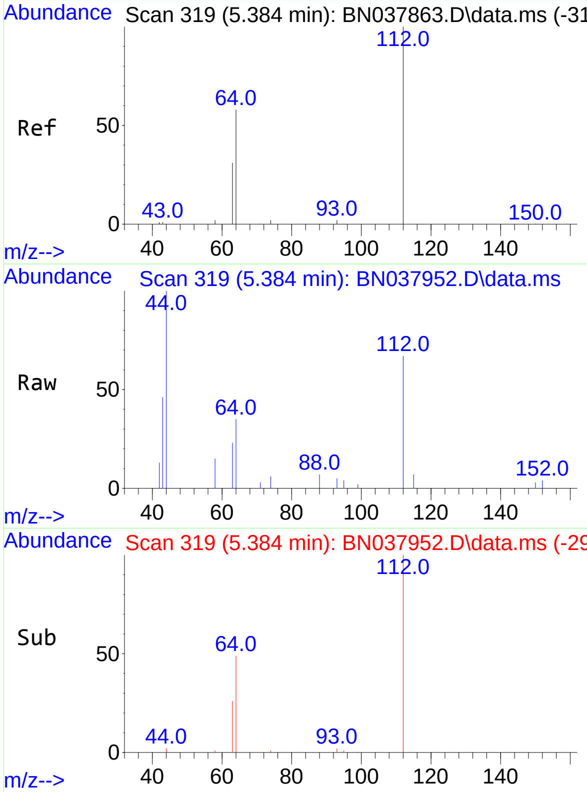
#2
1,4-Dioxane
Concen: 3.162 ng
RT: 3.290 min Scan# 29
Delta R.T. -0.007 min
Lab File: BN037952.D
Acq: 30 Sep 2025 18:59

Tgt Ion: 88 Resp: 25012

Ion	Ratio	Lower	Upper
88	100		
43	31.3	26.6	39.8
58	73.3	58.9	88.3



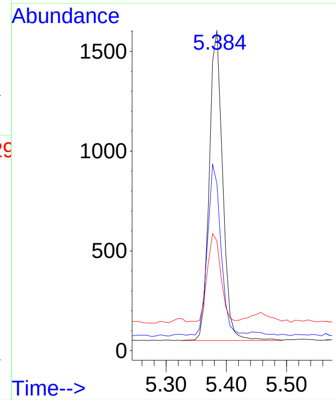
Instrument :
BNA_N
ClientSampleId :
RW4-20250922

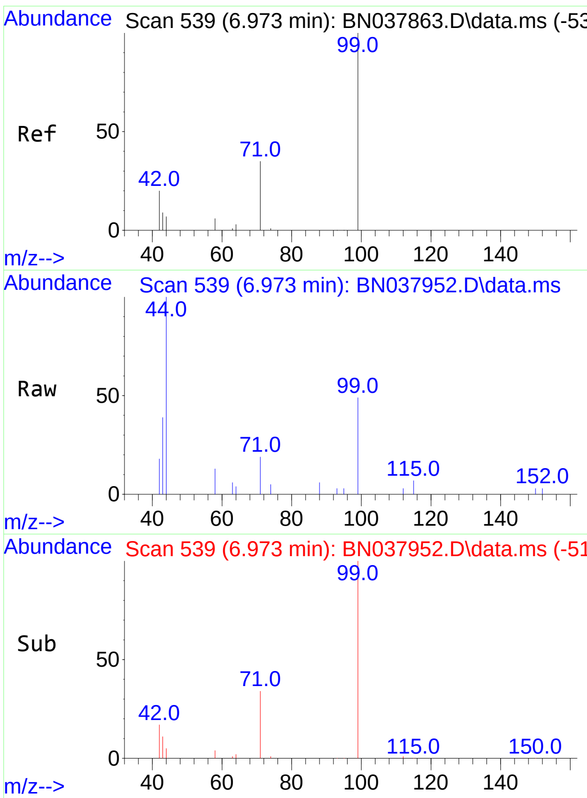


#4
2-Fluorophenol
Concen: 0.136 ng
RT: 5.384 min Scan# 31
Delta R.T. -0.000 min
Lab File: BN037952.D
Acq: 30 Sep 2025 18:59

Tgt Ion:112 Resp: 2415

Ion	Ratio	Lower	Upper
112	100		
64	55.0	44.6	66.8
63	28.9	24.9	37.3

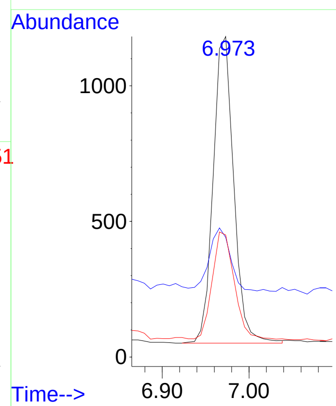




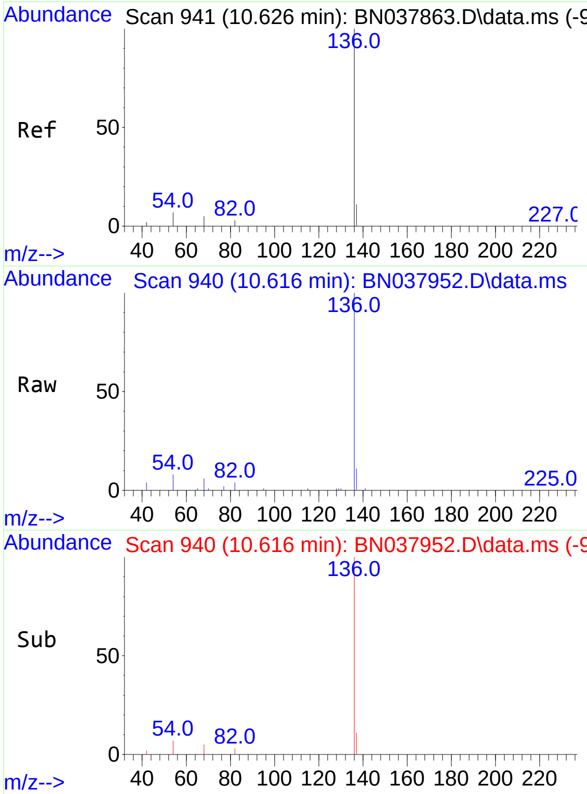
#5
Phenol-d6
Concen: 0.080 ng
RT: 6.973 min Scan# 539
Delta R.T. -0.000 min
Lab File: BN037952.D
Acq: 30 Sep 2025 18:59

Tgt Ion: 99 Resp: 1869

Ion	Ratio	Lower	Upper
99	100		
42	21.5	17.2	25.8
71	37.8	27.3	40.9

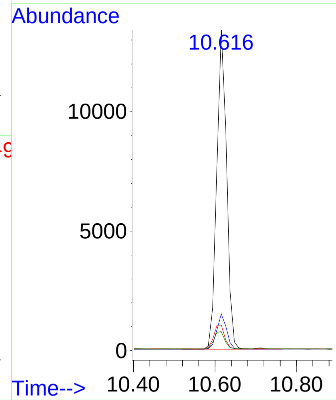


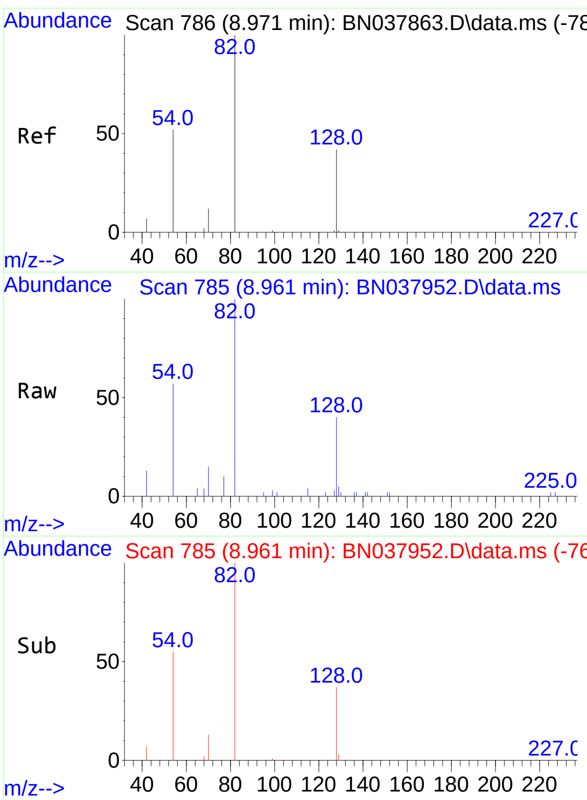
Instrument :
BNA_N
ClientSampleId :
RW4-20250922




```
#7
Naphthalene-d8
Concen:    0.400 ng
RT:  10.616 min  Scan# 94
Delta R.T.  -0.011 min
Lab File:   BN037952.D
Acq: 30 Sep 2025  18:59

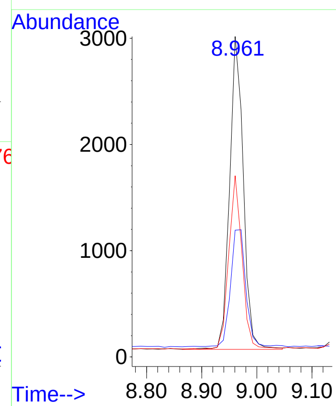
Tgt Ion:136 Resp:   22517
Ion  Ratio  Lower  Upper
136  100
137   11.4    9.0   13.4
 54    7.9    5.8    8.8
 68    5.9    4.3    6.5
```



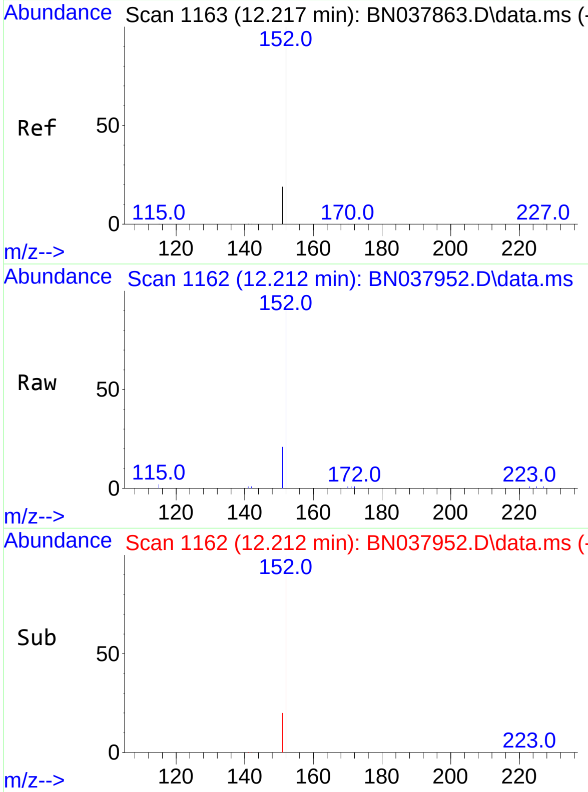



```
#8
Nitrobenzene-d5
Concen:    0.295 ng
RT:   8.961 min  Scan# 785
Delta R.T.  -0.011 min
Lab File:   BN037952.D
Acq: 30 Sep 2025  18:59

Tgt Ion: 82 Resp:    5072
Ion  Ratio  Lower  Upper
 82  100
128   39.6   34.8   52.2
 54   56.6   42.2   63.2
```



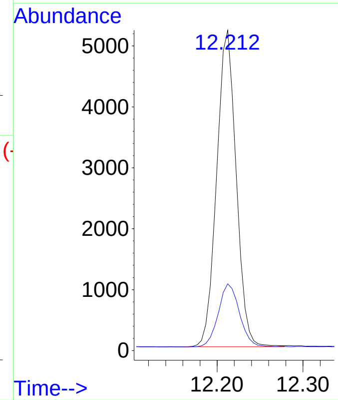
Instrument :
BNA_N
ClientSampleId :
RW4-20250922

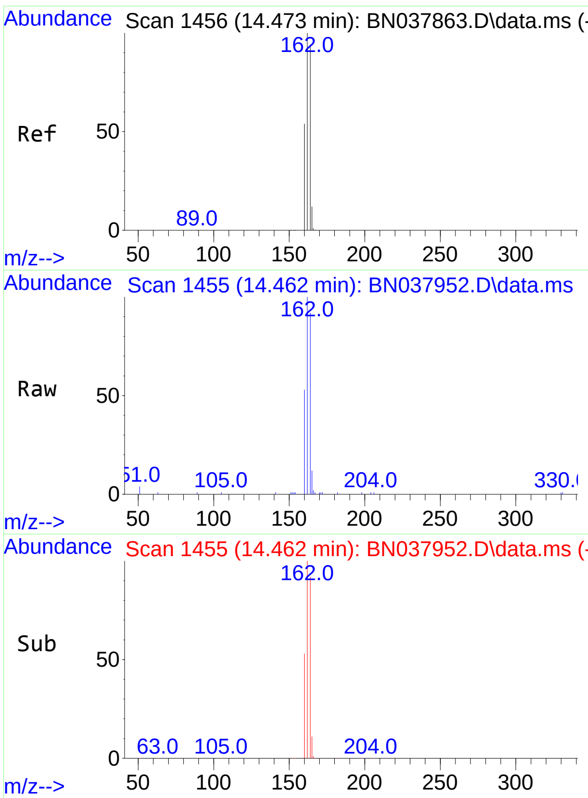


#11
2-Methylnaphthalene-d10
Concen: 0.262 ng
RT: 12.212 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN037952.D
Acq: 30 Sep 2025 18:59

Tgt Ion:152 Resp: 8204

Ion	Ratio	Lower	Upper
152	100		
151	21.7	17.4	26.2

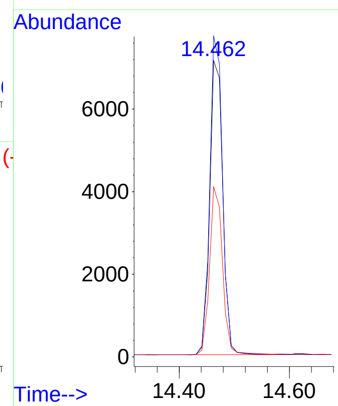




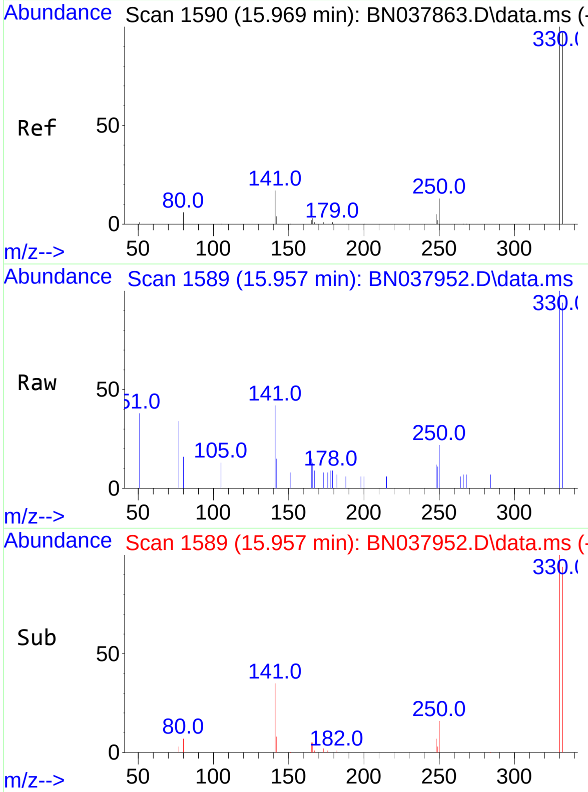
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.462 min Scan# 1455
Delta R.T. -0.011 min
Lab File: BN037952.D
Acq: 30 Sep 2025 18:59

Tgt Ion:164 Resp: 11801

Ion	Ratio	Lower	Upper
164	100		
162	108.2	84.8	127.2
160	57.3	46.1	69.1



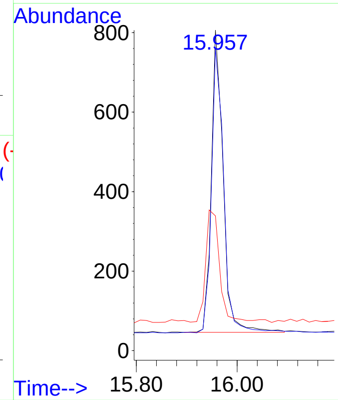
Instrument :
BNA_N
ClientSampleId :
RW4-20250922

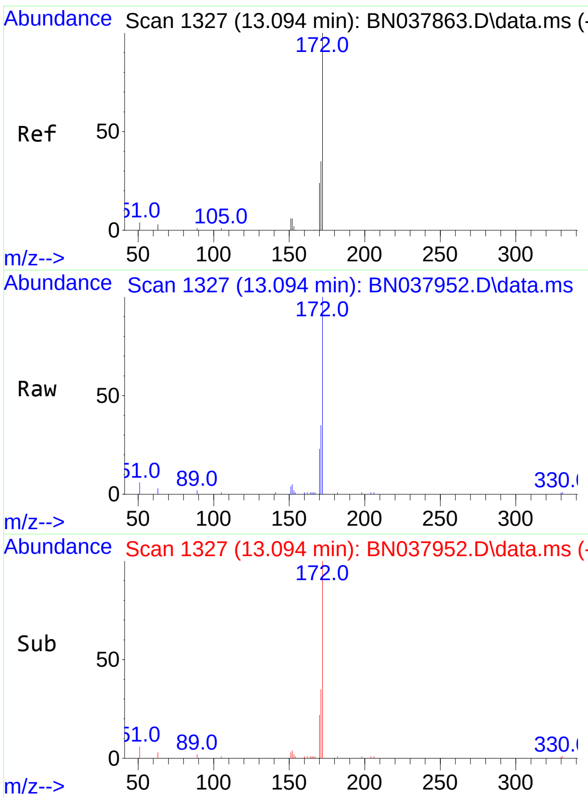


#14
2,4,6-Tribromophenol
Concen: 0.278 ng
RT: 15.957 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037952.D
Acq: 30 Sep 2025 18:59

Tgt Ion:330 Resp: 1246

Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.2	115.8
141	42.9	37.2	55.8

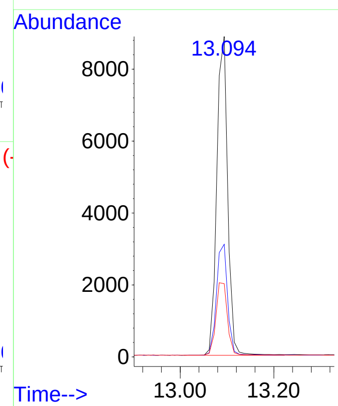




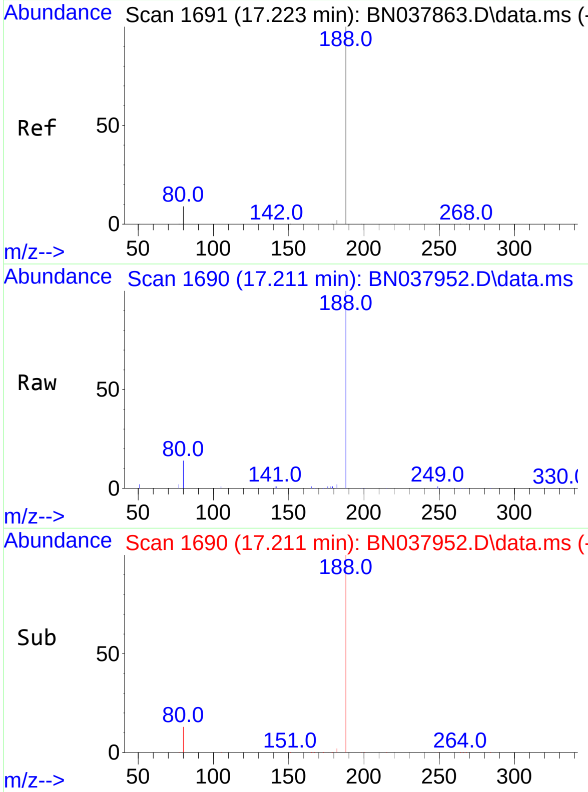
#15
2-Fluorobiphenyl
Concen: 0.297 ng
RT: 13.094 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BN037952.D
Acq: 30 Sep 2025 18:59

Tgt Ion:172 Resp: 14354

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.6	43.0
170	22.9	19.7	29.5



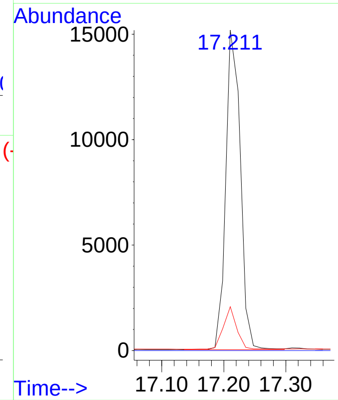
Instrument : BNA_N
ClientSampleId : RW4-20250922

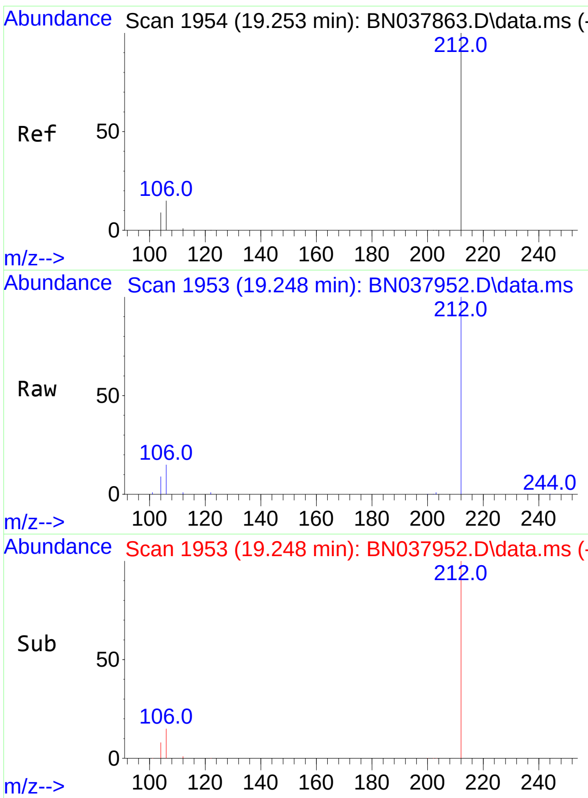


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.211 min Scan# 1(
Delta R.T. -0.012 min
Lab File: BN037952.D
Acq: 30 Sep 2025 18:59

Tgt Ion:188 Resp: 24660

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	13.7	7.6	11.4#

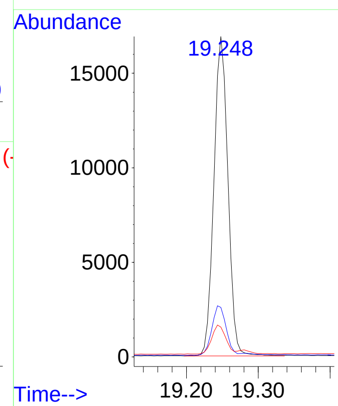




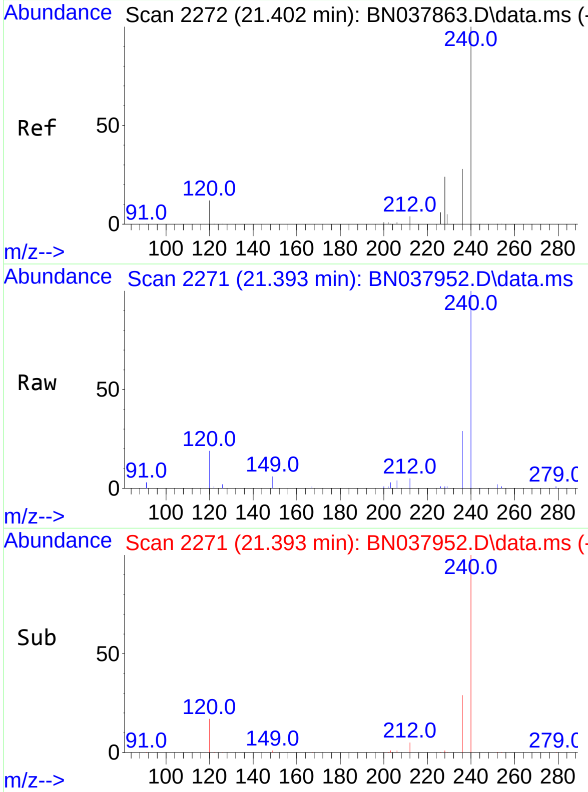
#27
Fluoranthene-d10
Concen: 0.369 ng
RT: 19.248 min Scan# 1953
Delta R.T. -0.005 min
Lab File: BN037952.D
Acq: 30 Sep 2025 18:59

Tgt Ion:212 Resp: 22863

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



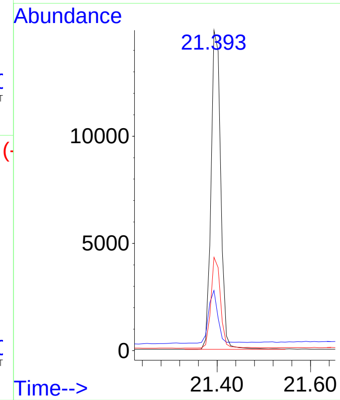
Instrument : BNA_N
ClientSampleId : RW4-20250922

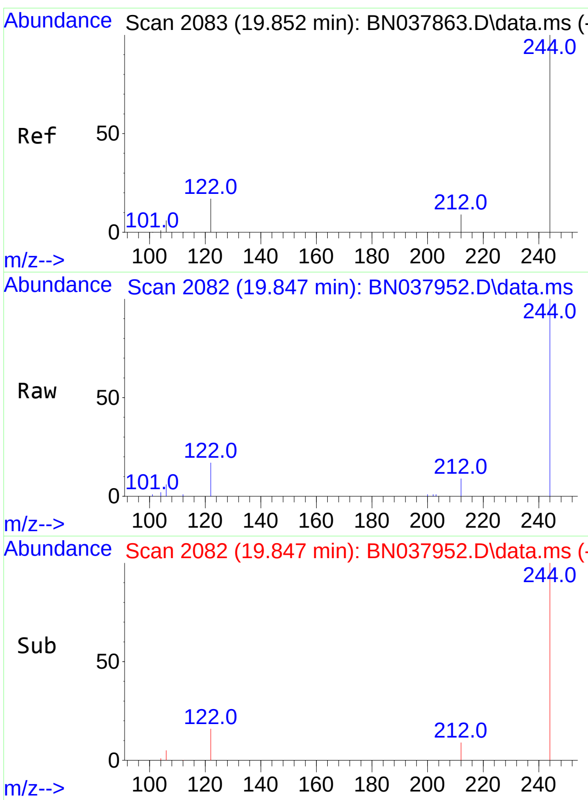


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.393 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037952.D
Acq: 30 Sep 2025 18:59

Tgt Ion:240 Resp: 21544

Ion	Ratio	Lower	Upper
240	100		
120	18.8	11.4	17.2#
236	29.2	23.0	34.6

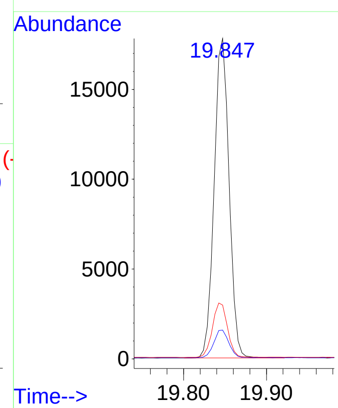




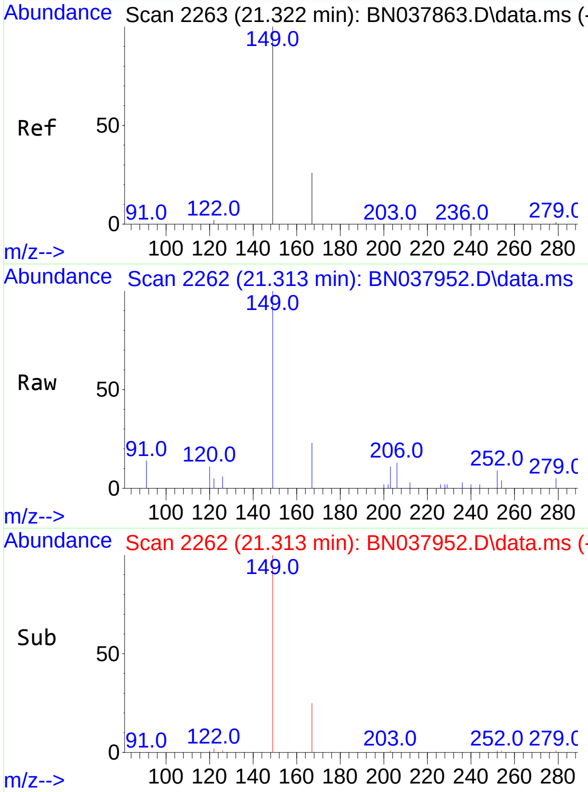
#31
Terphenyl-d14
Concen: 0.519 ng
RT: 19.847 min Scan# 2082
Delta R.T. -0.005 min
Lab File: BN037952.D
Acq: 30 Sep 2025 18:59

Tgt Ion:244 Resp: 22253

Ion	Ratio	Lower	Upper
244	100		
212	9.0	7.6	11.4
122	16.8	13.9	20.9



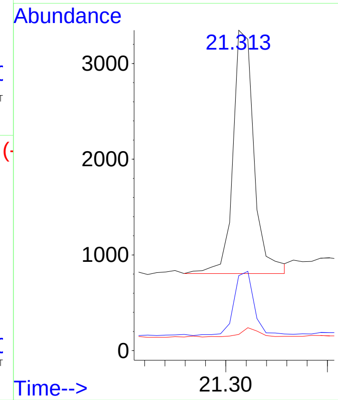
Instrument : BNA_N
ClientSampleId : RW4-20250922

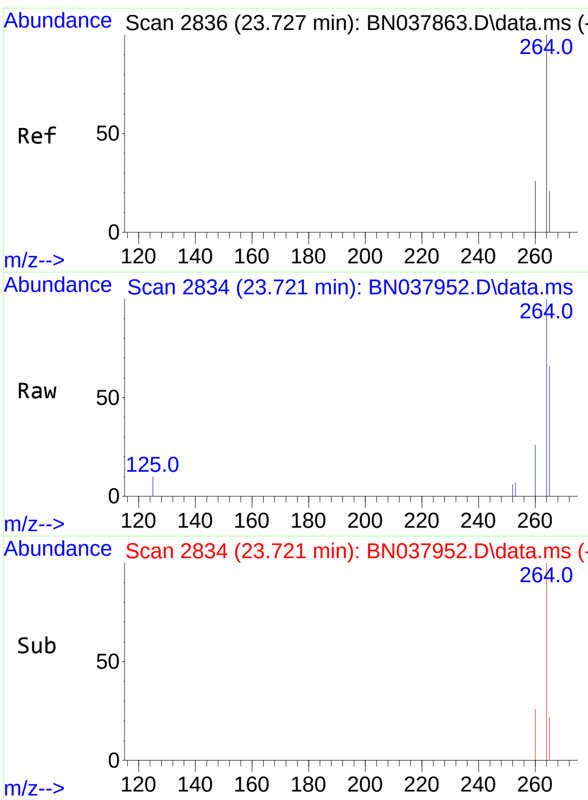


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.123 ng
RT: 21.313 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037952.D
Acq: 30 Sep 2025 18:59

Tgt Ion:149 Resp: 3663

Ion	Ratio	Lower	Upper
149	100		
167	25.4	20.4	30.6
279	3.3	2.4	3.6

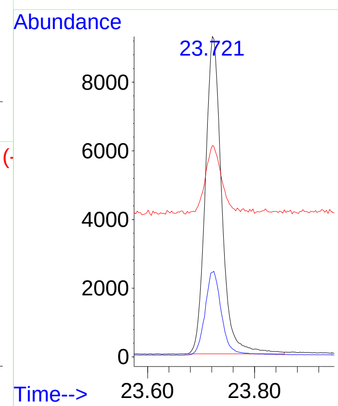




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.721 min Scan# 2834
Delta R.T. -0.006 min
Lab File: BN037952.D
Acq: 30 Sep 2025 18:59

Tgt Ion:264 Resp: 19690

Ion	Ratio	Lower	Upper
264	100		
260	26.4	21.5	32.3
265	66.0	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:	09/22/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	GM38-RW3-MW1-20250922		SDG No.:	Q3193	
Lab Sample ID:	Q3193-07		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
BN037953.D	1	09/29/25 08:43	09/30/25 19:35	PB169886

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	0.32		30 - 150		81%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.41		30 - 150		101%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.35		55 - 111		86%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.36		53 - 106		90%	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	7380	7.811				
1146-65-2	Naphthalene-d8	21400	10.616				
15067-26-2	Acenaphthene-d10	11300	14.462				
1517-22-2	Phenanthrene-d10	23700	17.211				
1719-03-5	Chrysene-d12	20300	21.393				
1520-96-3	Perylene-d12	18600	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\BN093025\
Data File : BN037953.D
Acq On : 30 Sep 2025 19:35
Operator : RC/JU
Sample : Q3193-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GM38-RW3-MW1-20250922

Quant Time: Oct 01 01:23:04 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

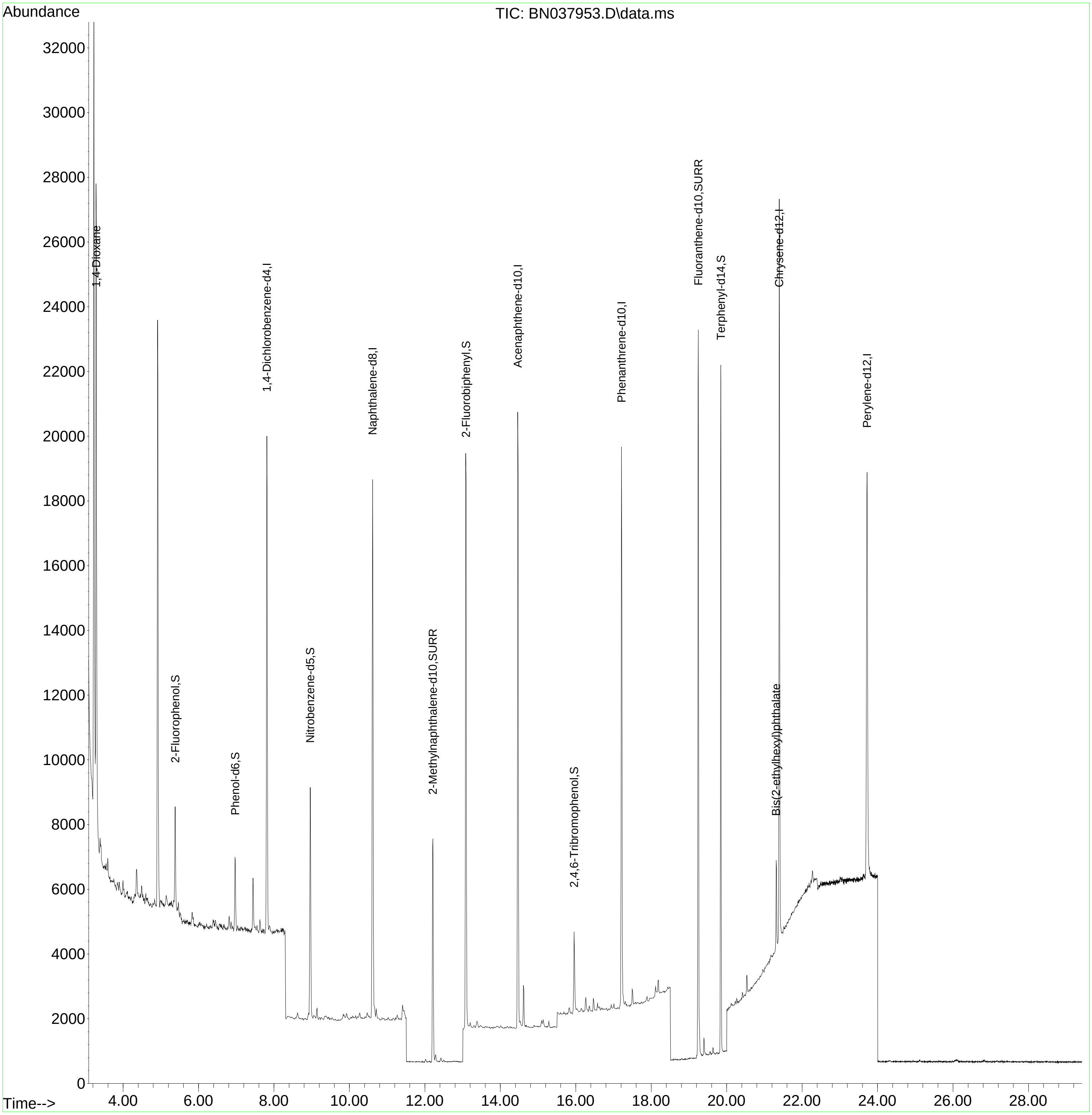
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.811	152	7382	0.400	ng	-0.01
7) Naphthalene-d8	10.616	136	21403	0.400	ng	-0.01
13) Acenaphthene-d10	14.462	164	11279	0.400	ng	-0.01
19) Phenanthrene-d10	17.211	188	23722	0.400	ng	#-0.01
29) Chrysene-d12	21.393	240	20326	0.400	ng	# 0.00
35) Perylene-d12	23.721	264	18553	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.384	112	2638	0.157	ng	0.00
5) Phenol-d6	6.973	99	2023	0.091	ng	0.00
8) Nitrobenzene-d5	8.961	82	5637	0.345	ng	-0.01
11) 2-Methylnaphthalene-d10	12.212	152	9631	0.324	ng	0.00
14) 2,4,6-Tribromophenol	15.957	330	1479	0.346	ng	-0.01
15) 2-Fluorobiphenyl	13.094	172	16696	0.362	ng	0.00
27) Fluoranthene-d10	19.248	212	24175	0.405	ng	0.00
31) Terphenyl-d14	19.847	244	19717	0.487	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.290	88	13642	1.820	ng	99
34) Bis(2-ethylhexyl)phtha...	21.313	149	2967	0.106	ng	# 98

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

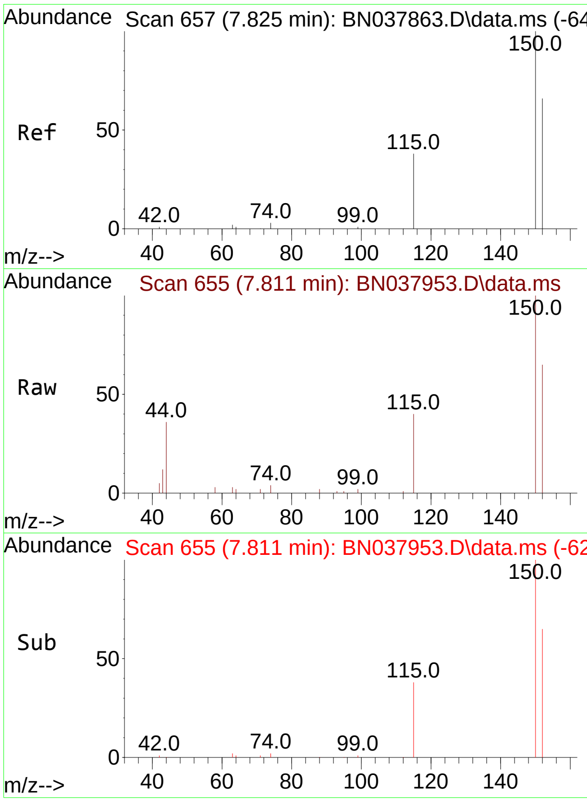
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN093025\
Data File : BN037953.D
Acq On : 30 Sep 2025 19:35
Operator : RC/JU
Sample : Q3193-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GM38-RW3-MW1-20250922

Quant Time: Oct 01 01:23:04 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

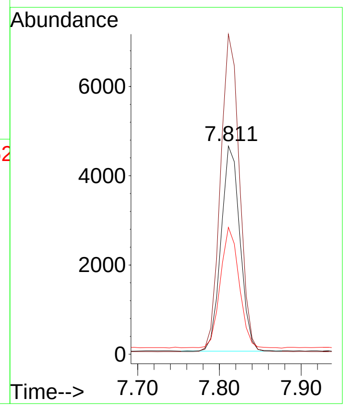


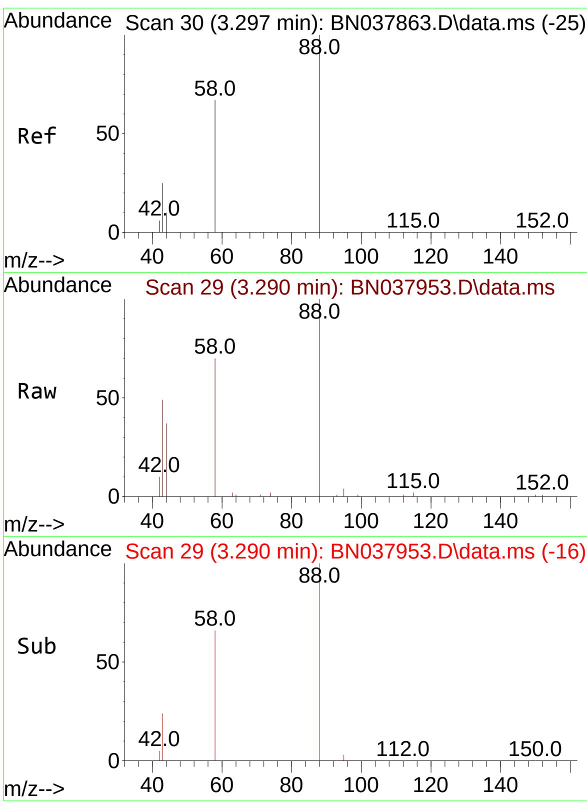
Instrument :
BNA_N
ClientSampleId :
GM38-RW3-MW1-20250922




```
#1
1,4-Dichlorobenzene-d4
Concen:    0.400 ng
RT:   7.811 min  Scan# 6
Delta R.T.   -0.014 min
Lab File:    BN037953.D
Acq: 30 Sep 2025   19:35

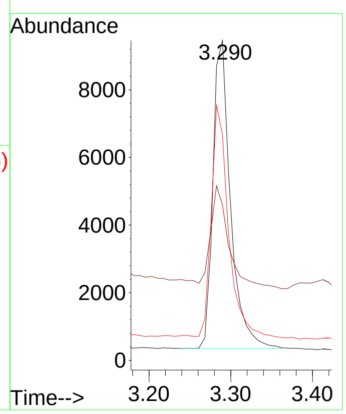
Tgt Ion:152 Resp:    7382
Ion  Ratio  Lower  Upper
152  100
150  153.7  121.0  181.4
115   61.0   47.4   71.0
```





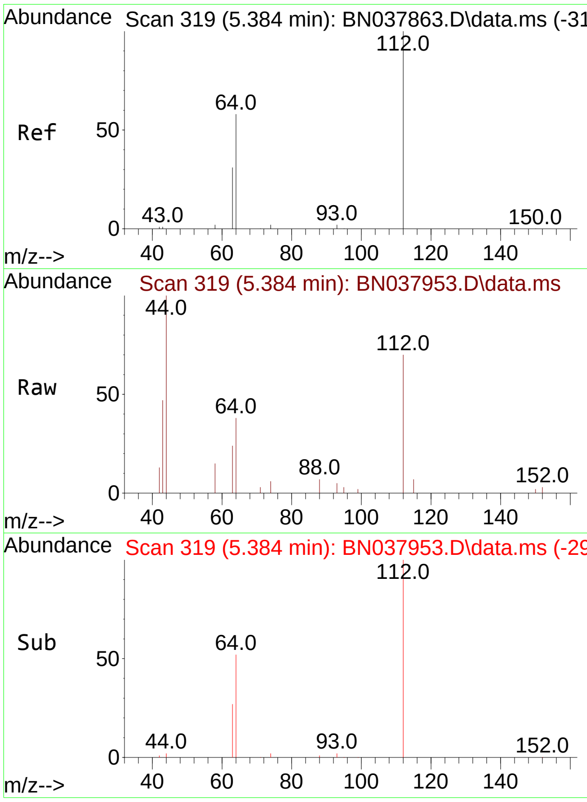

```
#2
1,4-Dioxane
Concen:    1.820 ng
RT:   3.290 min  Scan# 29
Delta R.T.   -0.007 min
Lab File:    BN037953.D
Acq: 30 Sep 2025   19:35

Tgt Ion: 88 Resp:   13642
Ion  Ratio  Lower  Upper
 88  100
 43   34.5   26.6   39.8
 58   73.6   58.9   88.3
```



Instrument :
BNA_N
ClientSampleId :
GM38-RW3-MW1-20250922

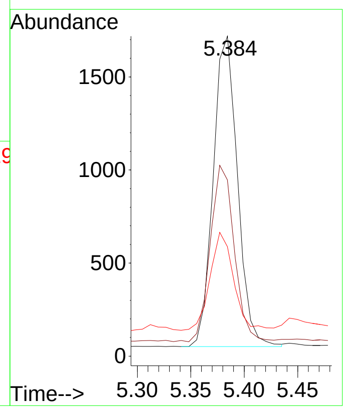
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

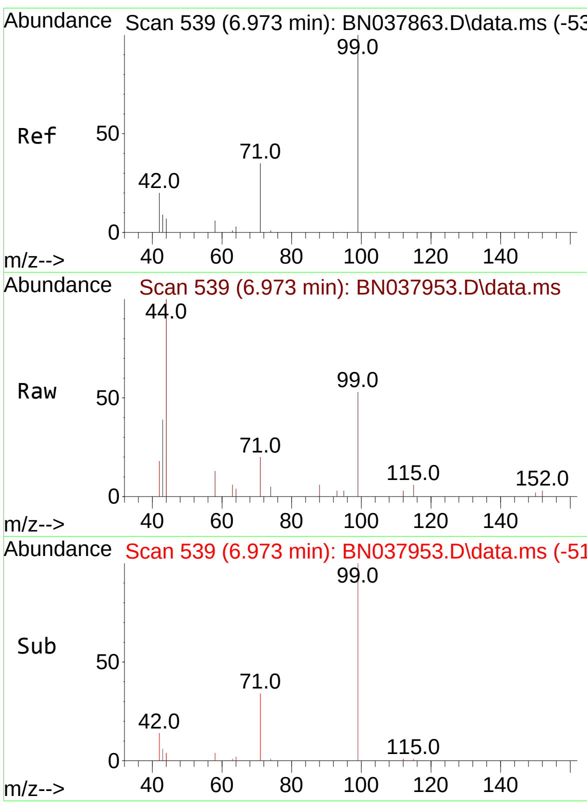


#4
2-Fluorophenol
Concen: 0.157 ng
RT: 5.384 min Scan# 3
Delta R.T. -0.000 min
Lab File: BN037953.D
Acq: 30 Sep 2025 19:35

Tgt Ion:112 Resp: 2638

Ion	Ratio	Lower	Upper
112	100		
64	56.0	44.6	66.8
63	31.1	24.9	37.3

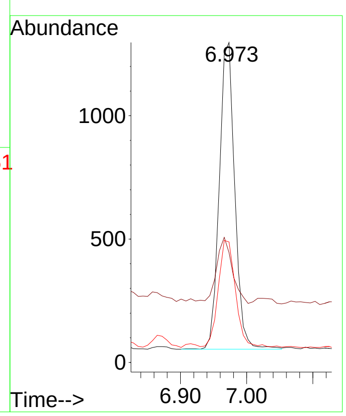




#5
Phenol-d6
Concen: 0.091 ng
RT: 6.973 min Scan# 539
Delta R.T. -0.000 min
Lab File: BN037953.D
Acq: 30 Sep 2025 19:35

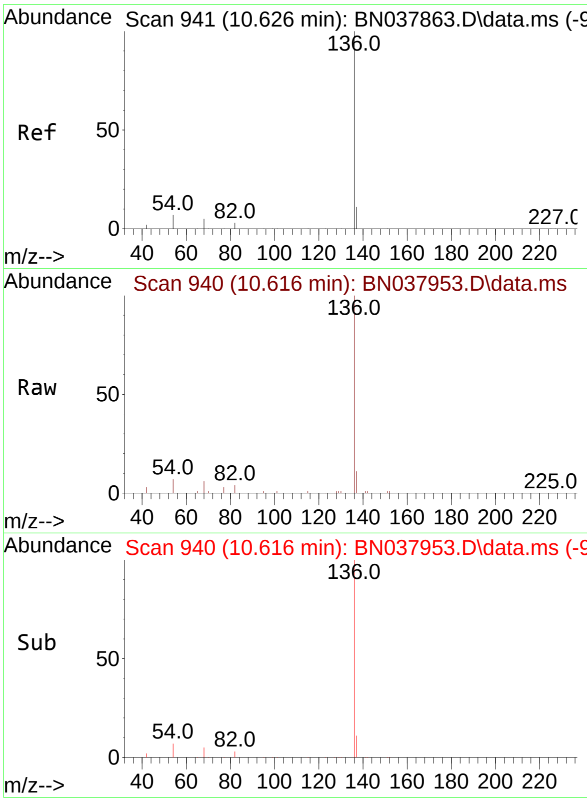
Tgt Ion: 99 Resp: 2023

Ion	Ratio	Lower	Upper
99	100		
42	21.5	17.2	25.8
71	38.9	27.3	40.9



Instrument : BNA_N
ClientSampleId : GM38-RW3-MW1-20250922

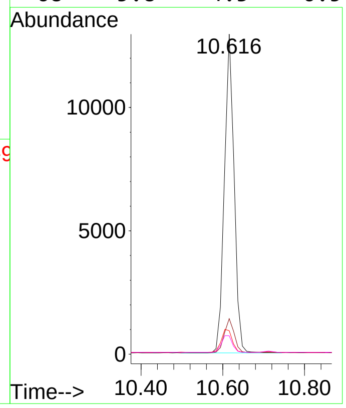
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

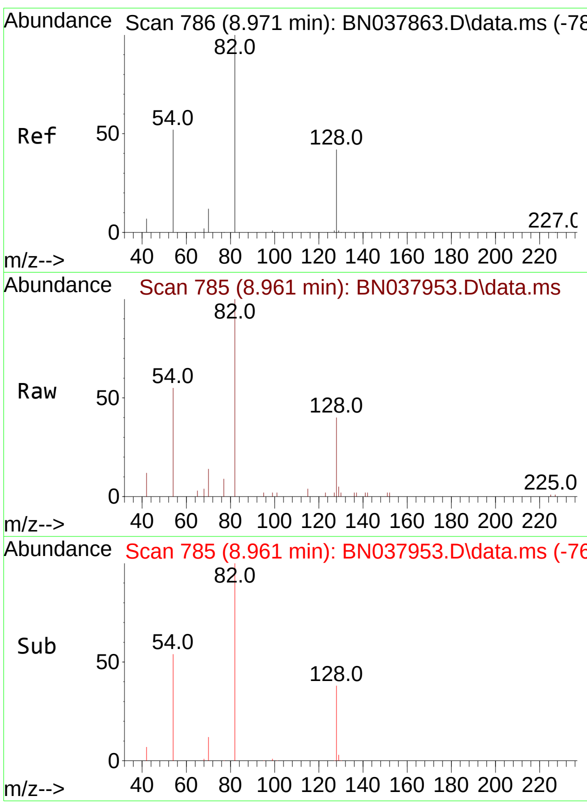


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.616 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037953.D
Acq: 30 Sep 2025 19:35

Tgt Ion:136 Resp: 21403

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	7.4	5.8	8.8
68	5.8	4.3	6.5

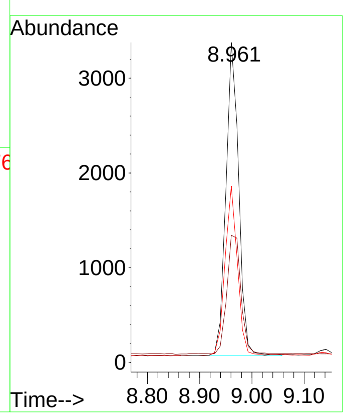




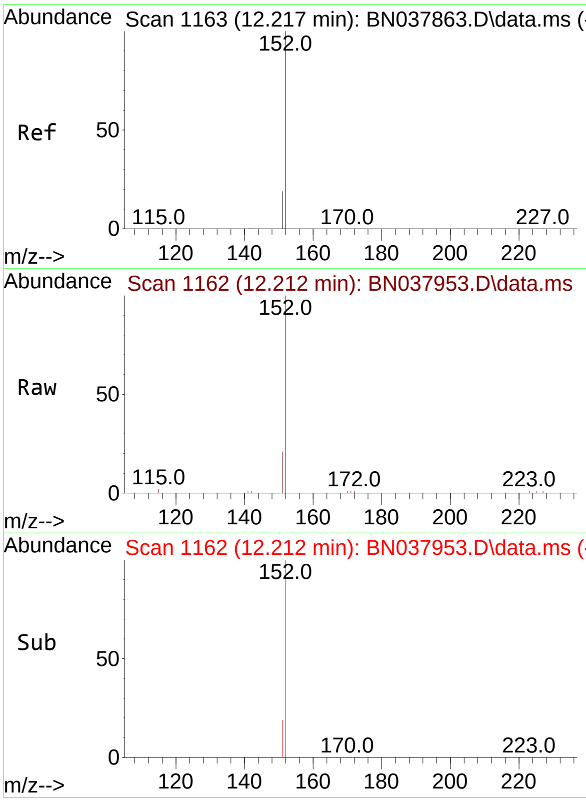
#8
Nitrobenzene-d5
Concen: 0.345 ng
RT: 8.961 min Scan# 785
Delta R.T. -0.011 min
Lab File: BN037953.D
Acq: 30 Sep 2025 19:35

Tgt Ion: 82 Resp: 5637

Ion	Ratio	Lower	Upper
82	100		
128	39.7	34.8	52.2
54	55.1	42.2	63.2



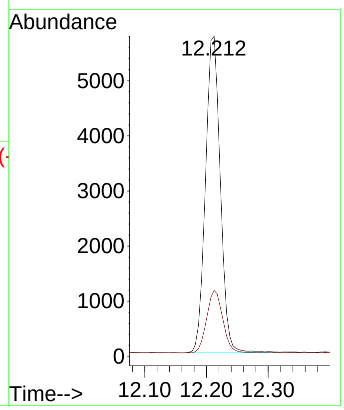
Instrument :
BNA_N
ClientSampleId :
GM38-RW3-MW1-20250922

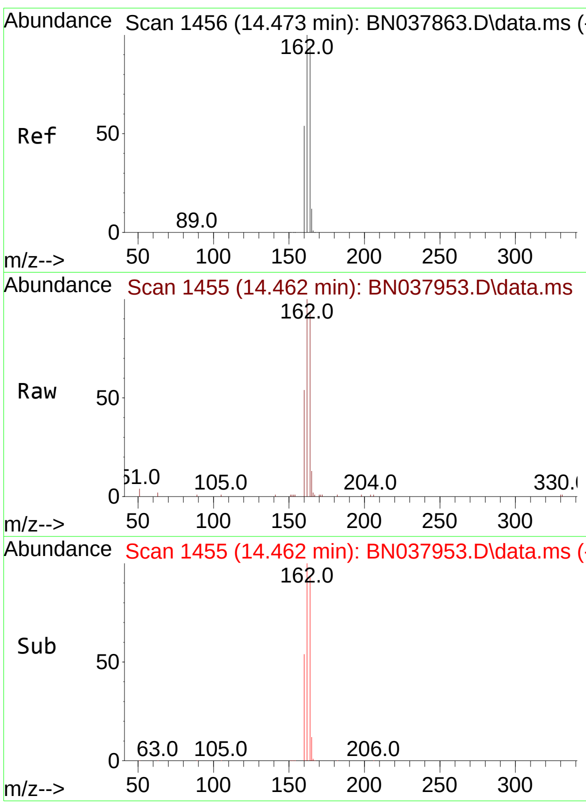


#11
2-Methylnaphthalene-d10
Concen: 0.324 ng
RT: 12.212 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN037953.D
Acq: 30 Sep 2025 19:35

Tgt Ion:152 Resp: 9631

Ion	Ratio	Lower	Upper
152	100		
151	21.3	17.4	26.2

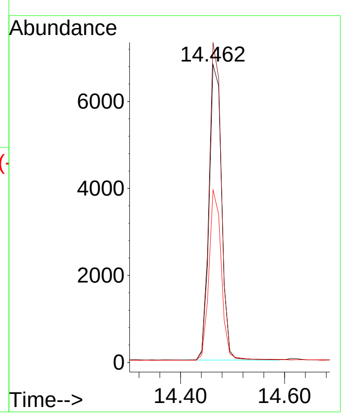




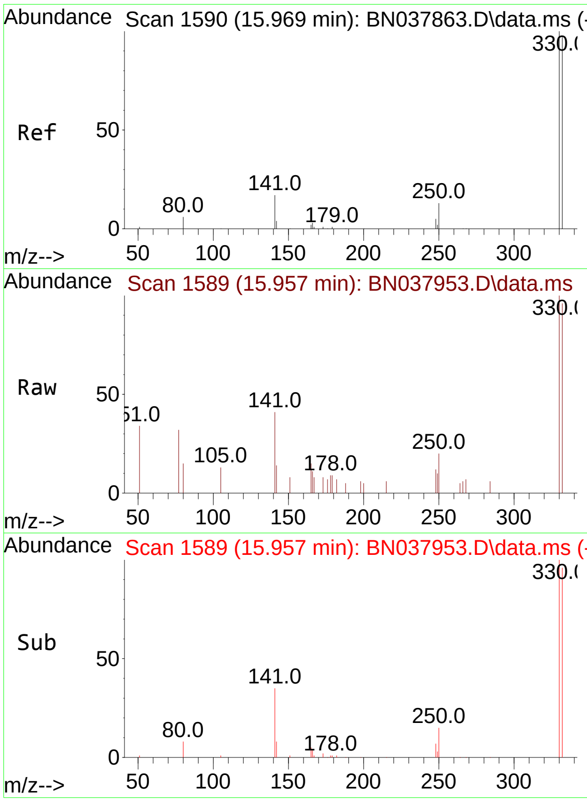
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.462 min Scan# 1455
Delta R.T. -0.011 min
Lab File: BN037953.D
Acq: 30 Sep 2025 19:35

Tgt Ion:164 Resp: 11279

Ion	Ratio	Lower	Upper
164	100		
162	107.4	84.8	127.2
160	58.0	46.1	69.1



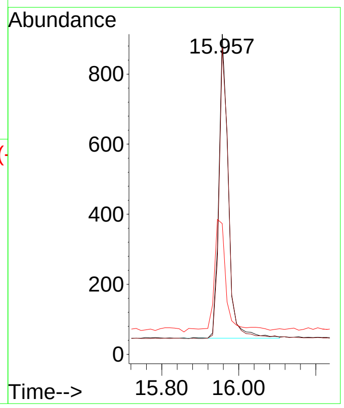
Instrument :
BNA_N
ClientSampleId :
GM38-RW3-MW1-20250922

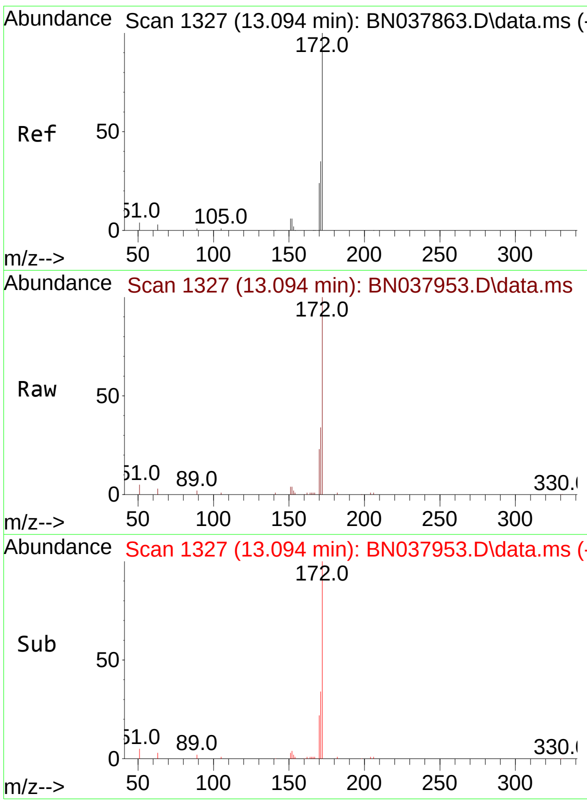


#14
2,4,6-Tribromophenol
Concen: 0.346 ng
RT: 15.957 min Scan# 1!
Delta R.T. -0.012 min
Lab File: BN037953.D
Acq: 30 Sep 2025 19:35

Tgt Ion:330 Resp: 1479

Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.2	115.8
141	44.8	37.2	55.8

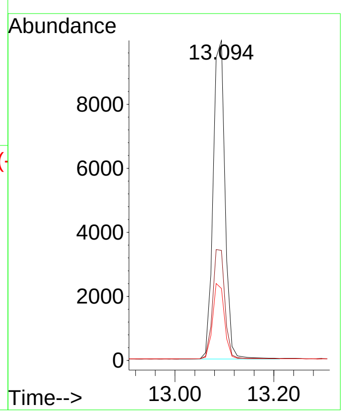




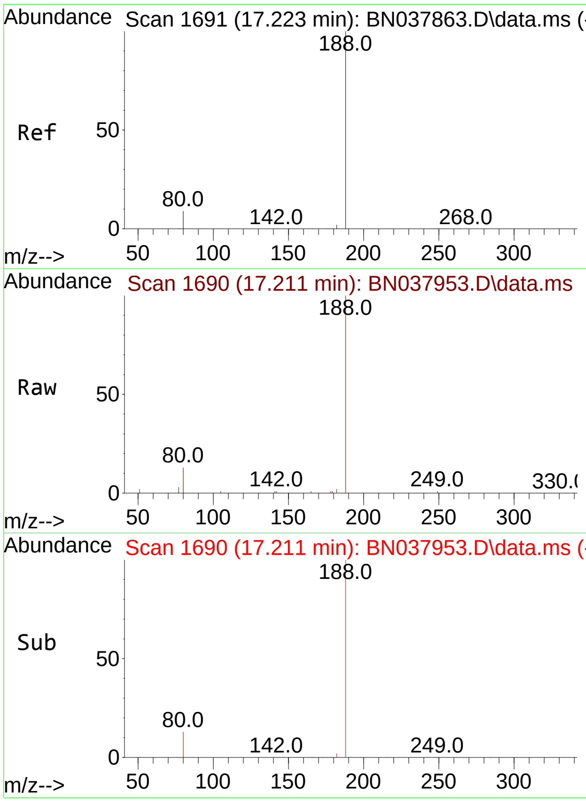
#15
2-Fluorobiphenyl
Concen: 0.362 ng
RT: 13.094 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BN037953.D
Acq: 30 Sep 2025 19:35

Tgt Ion:172 Resp: 16696

Ion	Ratio	Lower	Upper
172	100		
171	34.4	28.6	43.0
170	22.5	19.7	29.5

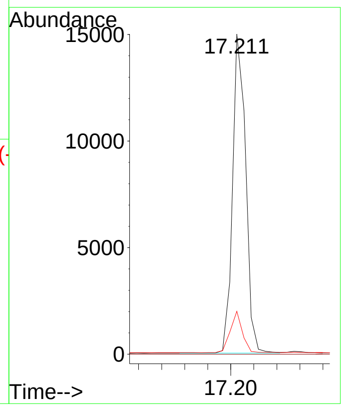


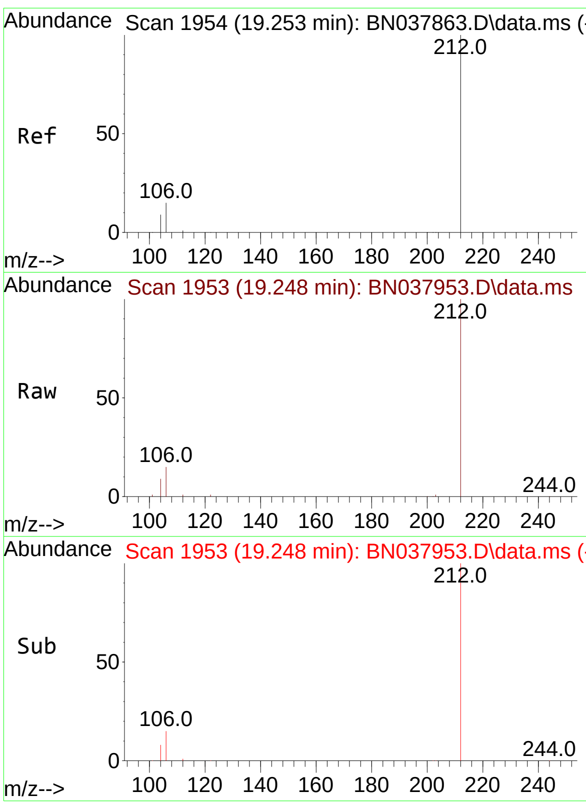
Instrument :
BNA_N
ClientSampleId :
GM38-RW3-MW1-20250922




```
#19
Phenanthrene-d10
Concen:    0.400 ng
RT:  17.211 min  Scan# 1(
Delta R.T.  -0.012 min
Lab File:   BN037953.D
Acq: 30 Sep 2025  19:35

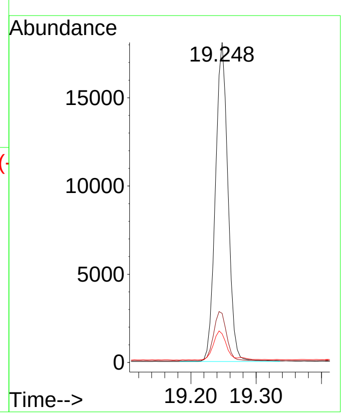
Tgt Ion:188 Resp:   23722
Ion  Ratio  Lower  Upper
188  100
 94    0.0    0.0    0.0
 80   13.4    7.6   11.4#
```



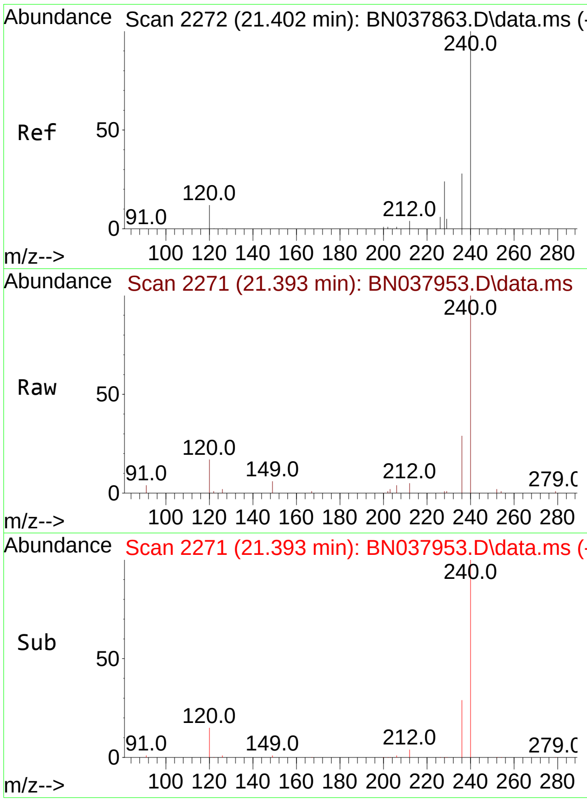



```
#27
Fluoranthene-d10
Concen:    0.405 ng
RT:  19.248 min  Scan# 1953
Delta R.T.  -0.005 min
Lab File:   BN037953.D
Acq: 30 Sep 2025  19:35

Tgt Ion:212 Resp:   24175
Ion  Ratio  Lower  Upper
212  100
106   16.2   12.6   19.0
104    9.4    7.4   11.0
```



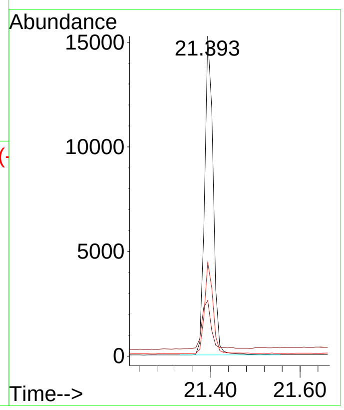
Instrument :
BNA_N
ClientSampleId :
GM38-RW3-MW1-20250922

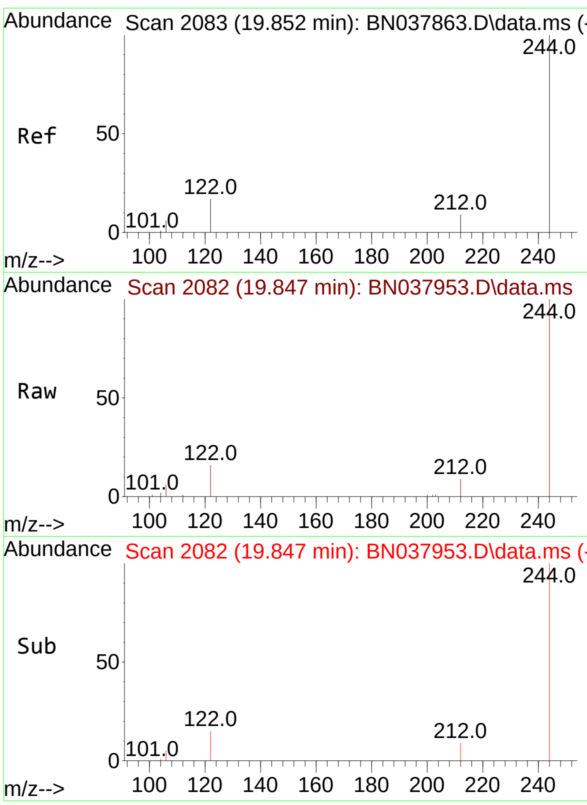


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.393 min Scan# 2271
Delta R.T. -0.009 min
Lab File: BN037953.D
Acq: 30 Sep 2025 19:35

Tgt Ion:240 Resp: 20326

Ion	Ratio	Lower	Upper
240	100		
120	17.4	11.4	17.2#
236	29.2	23.0	34.6

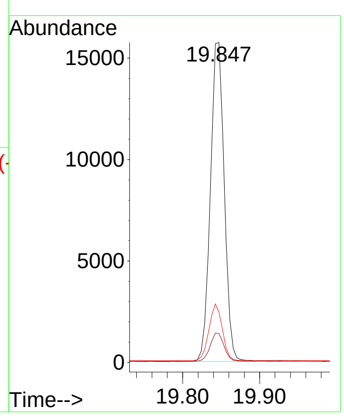




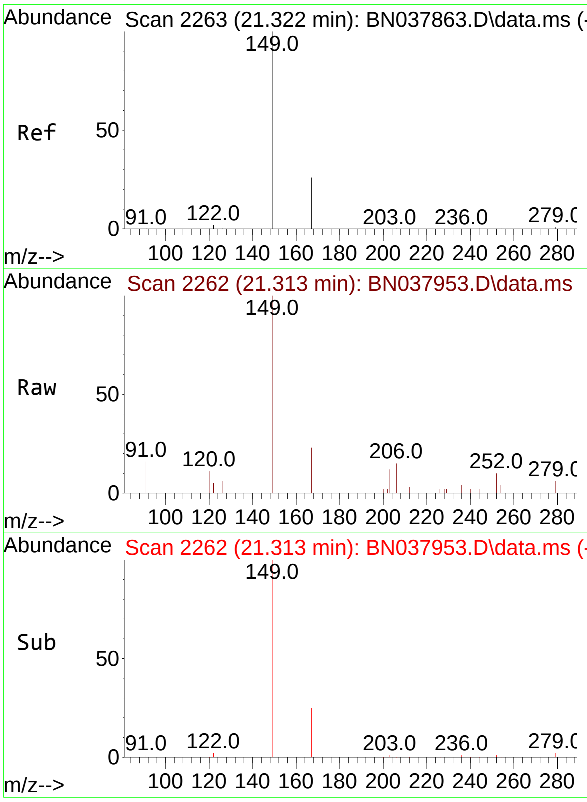
#31
Terphenyl-d14
Concen: 0.487 ng
RT: 19.847 min Scan# 2082
Delta R.T. -0.005 min
Lab File: BN037953.D
Acq: 30 Sep 2025 19:35

Tgt Ion:244 Resp: 19717

Ion	Ratio	Lower	Upper
244	100		
212	9.0	7.6	11.4
122	15.7	13.9	20.9



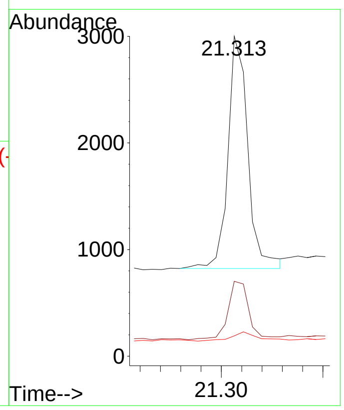
Instrument : BNA_N
ClientSampleId : GM38-RW3-MW1-20250922

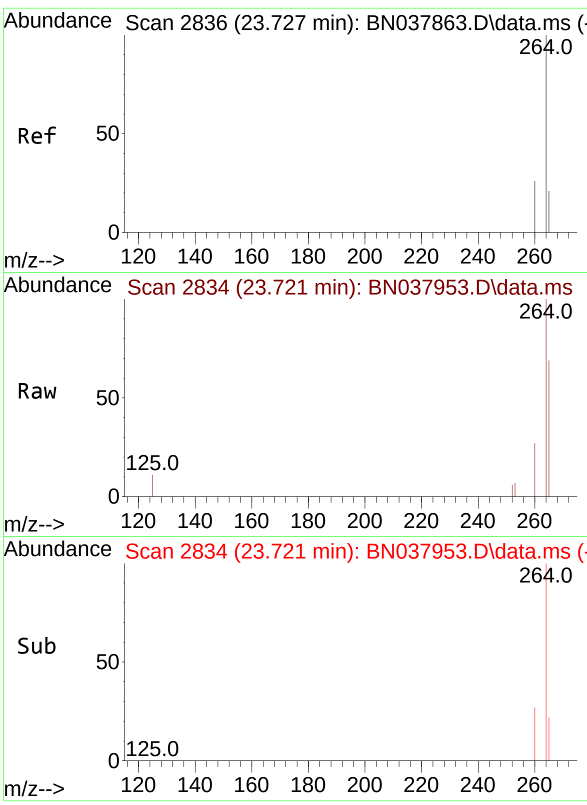


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.106 ng
RT: 21.313 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037953.D
Acq: 30 Sep 2025 19:35

Tgt Ion:149 Resp: 2967

Ion	Ratio	Lower	Upper
149	100		
167	26.3	20.4	30.6
279	5.5	2.4	3.6#

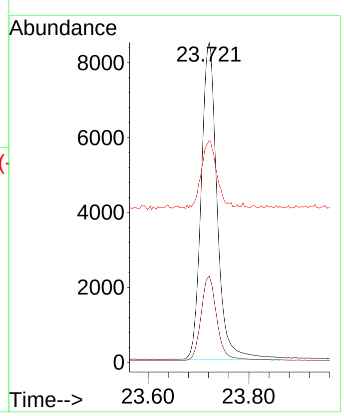




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.721 min Scan# 2834
Delta R.T. -0.006 min
Lab File: BN037953.D
Acq: 30 Sep 2025 19:35

Tgt Ion:264 Resp: 18553

Ion	Ratio	Lower	Upper
264	100		
260	27.0	21.5	32.3
265	69.3	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:	09/23/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258			Date Received:	09/24/25
Client Sample ID:	TT20551-20250923			SDG No.:	Q3193
Lab Sample ID:	Q3193-08			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
BN037954.D	1	09/29/25 08:43	09/30/25 20:12	PB169886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.31		0.070	0.21	0.21	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.28		30 - 150		71%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.39		30 - 150		98%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.30		55 - 111		75%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.33		53 - 106		83%	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	8400	7.811				
1146-65-2	Naphthalene-d8	26000	10.616				
15067-26-2	Acenaphthene-d10	13500	14.473				
1517-22-2	Phenanthrene-d10	27200	17.211				
1719-03-5	Chrysene-d12	23500	21.393				
1520-96-3	Perylene-d12	21500	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\BN093025\
Data File : BN037954.D
Acq On : 30 Sep 2025 20:12
Operator : RC/JU
Sample : Q3193-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
TT20551-20250923

Quant Time: Oct 01 01:23:20 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	7.811	152	8400	0.400	ng	-0.01
7) Naphthalene-d8	10.616	136	25968	0.400	ng	-0.01
13) Acenaphthene-d10	14.473	164	13547	0.400	ng	0.00
19) Phenanthrene-d10	17.211	188	27176	0.400	ng	#-0.01
29) Chrysene-d12	21.393	240	23475	0.400	ng	0.00
35) Perylene-d12	23.718	264	21465	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.384	112	2757	0.144	ng	0.00
5) Phenol-d6	6.973	99	2354	0.093	ng	0.00
8) Nitrobenzene-d5	8.961	82	5911	0.298	ng	-0.01
11) 2-Methylnaphthalene-d10	12.212	152	10286	0.285	ng	0.00
14) 2,4,6-Tribromophenol	15.957	330	1729	0.337	ng	-0.01
15) 2-Fluorobiphenyl	13.094	172	18356	0.331	ng	0.00
27) Fluoranthene-d10	19.248	212	26742	0.391	ng	0.00
31) Terphenyl-d14	19.847	244	24712	0.528	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.290	88	2593	0.304	ng	# 85
34) Bis(2-ethylhexyl)phtha...	21.313	149	6206	0.191	ng	# 99

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

```
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN093025\
Data File : BN037954.D
Acq On    : 30 Sep 2025  20:12
Operator  : RC/JU
Sample    : Q3193-08
Misc      :
ALS Vial  : 12   Sample Multiplier: 1

Quant Time: Oct 01 01:23:20 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
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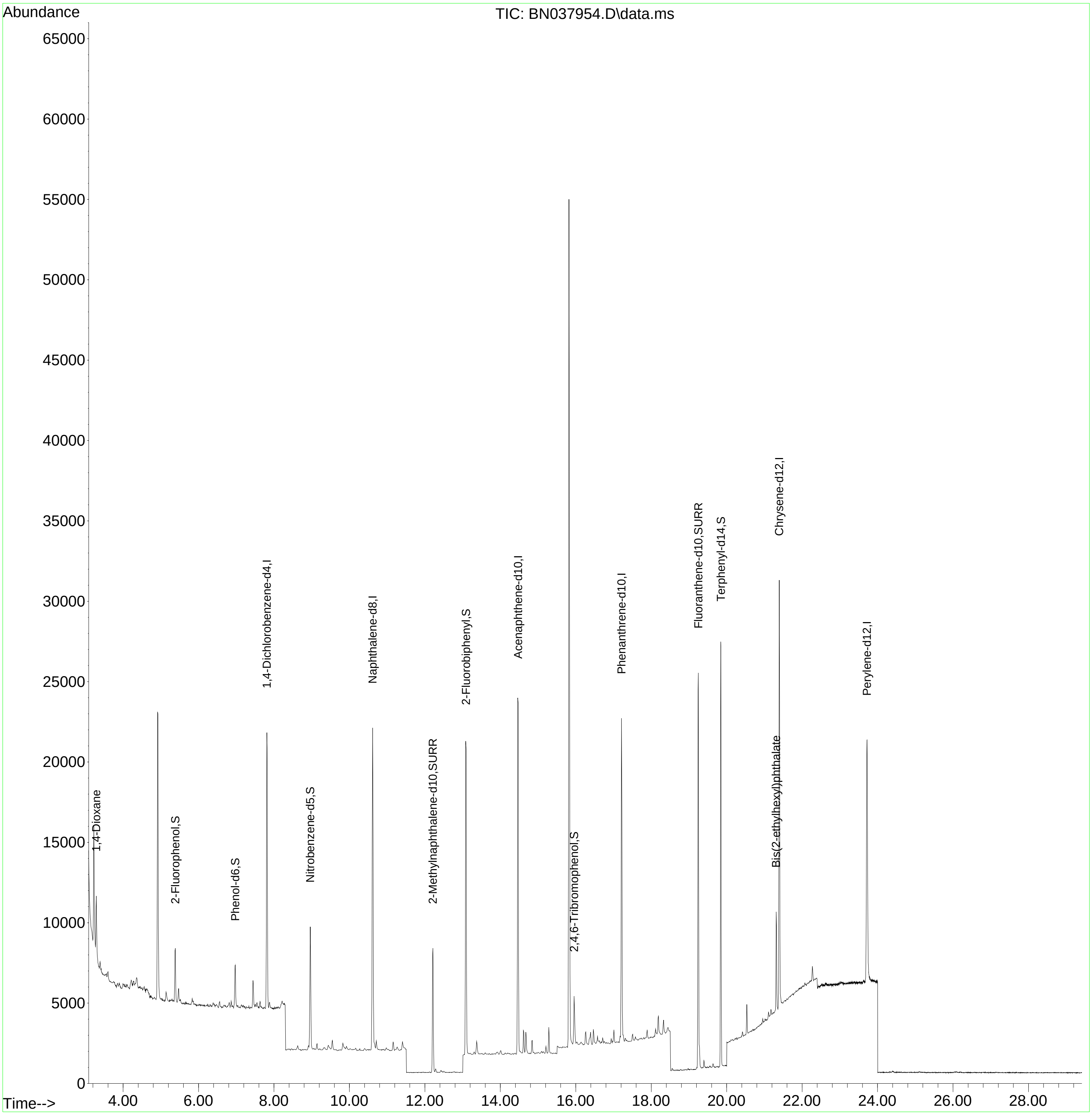
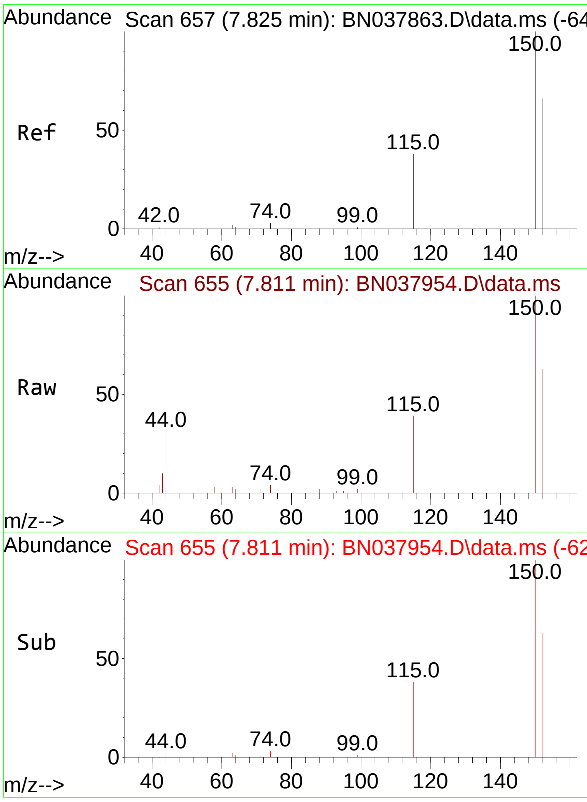
Instrument :
BNA_N
ClientSampleId :
TT20551-20250923



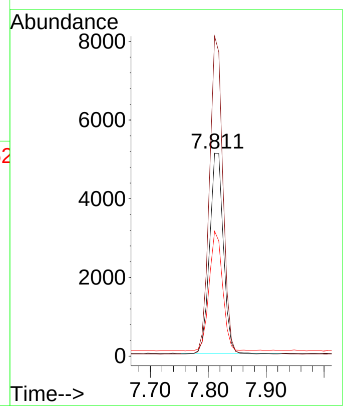
Instrument : BNA_N
ClientSampleId : TT20551-20250923

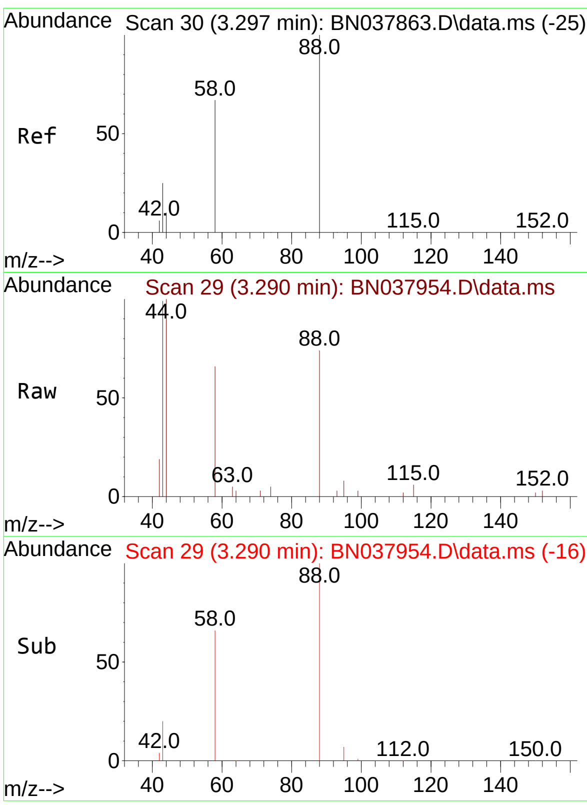


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.811 min Scan# 65
Delta R.T. -0.014 min
Lab File: BN037954.D
Acq: 30 Sep 2025 20:12

Tgt Ion:152 Resp: 8400

Ion	Ratio	Lower	Upper
152	100		
150	157.6	121.0	181.4
115	61.6	47.4	71.0

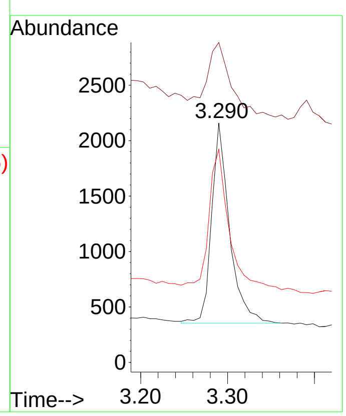




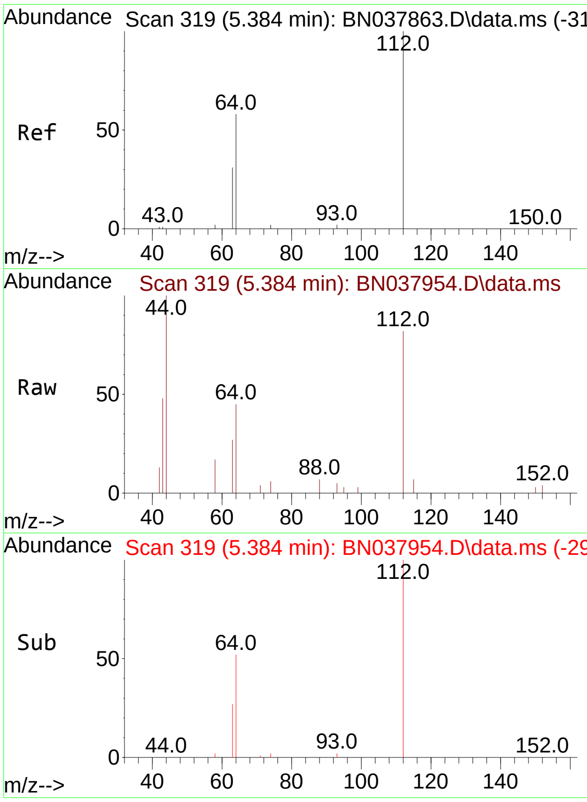
#2
1,4-Dioxane
Concen: 0.304 ng
RT: 3.290 min Scan# 29
Delta R.T. -0.007 min
Lab File: BN037954.D
Acq: 30 Sep 2025 20:12

Tgt Ion: 88 Resp: 2593

Ion	Ratio	Lower	Upper
88	100		
43	52.3	26.6	39.8#
58	79.0	58.9	88.3



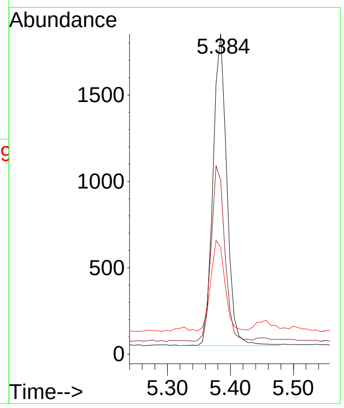
Instrument :
BNA_N
ClientSampleId :
TT20551-20250923

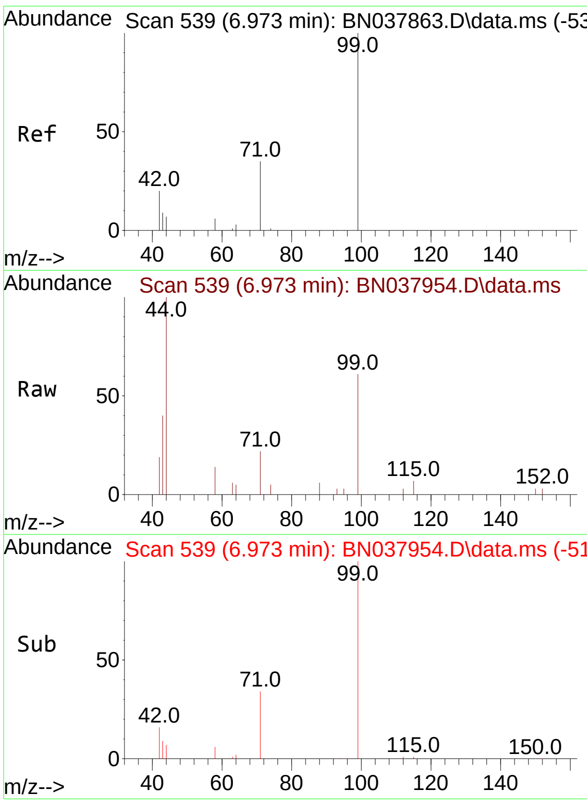


#4
2-Fluorophenol
Concen: 0.144 ng
RT: 5.384 min Scan# 3
Delta R.T. -0.000 min
Lab File: BN037954.D
Acq: 30 Sep 2025 20:12

Tgt Ion:112 Resp: 2757

Ion	Ratio	Lower	Upper
112	100		
64	56.1	44.6	66.8
63	29.8	24.9	37.3

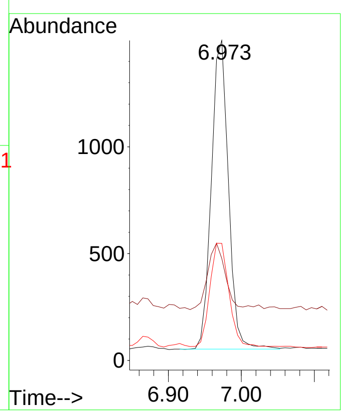




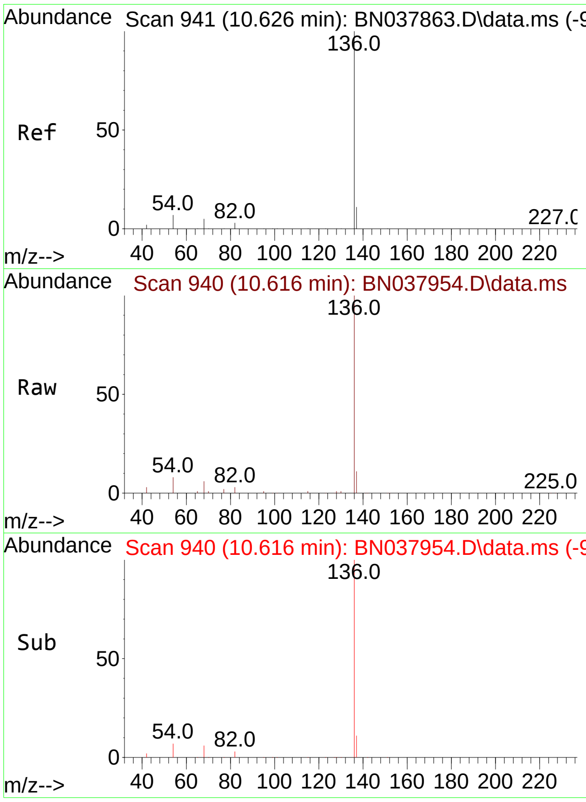
#5
Phenol-d6
Concen: 0.093 ng
RT: 6.973 min Scan# 539
Delta R.T. -0.000 min
Lab File: BN037954.D
Acq: 30 Sep 2025 20:12

Tgt Ion: 99 Resp: 2354

Ion	Ratio	Lower	Upper
99	100		
42	21.8	17.2	25.8
71	36.9	27.3	40.9



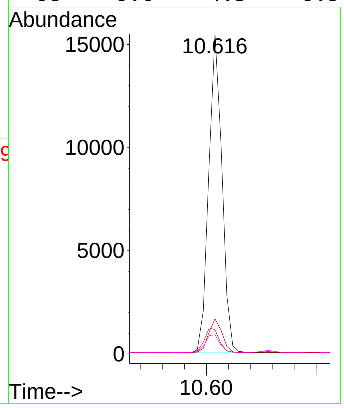
Instrument :
BNA_N
ClientSampleId :
TT20551-20250923

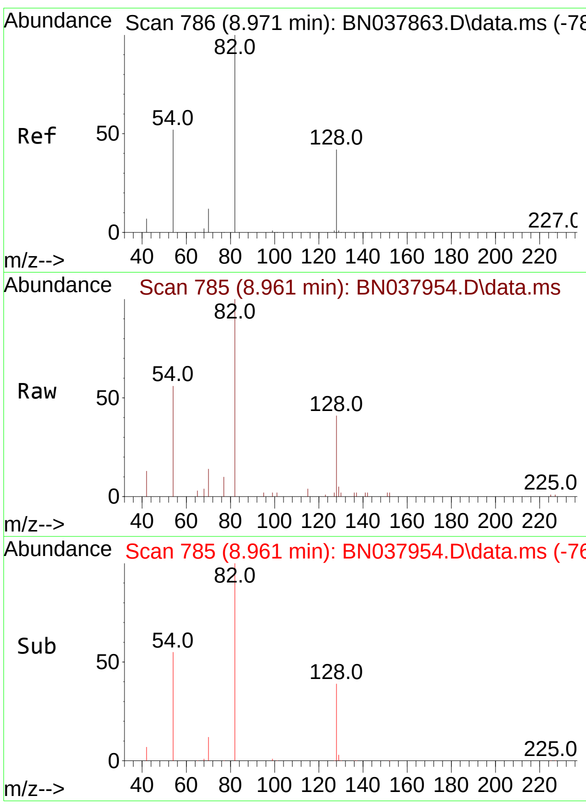


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.616 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037954.D
Acq: 30 Sep 2025 20:12

Tgt Ion:136 Resp: 25968

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	7.5	5.8	8.8
68	6.0	4.3	6.5

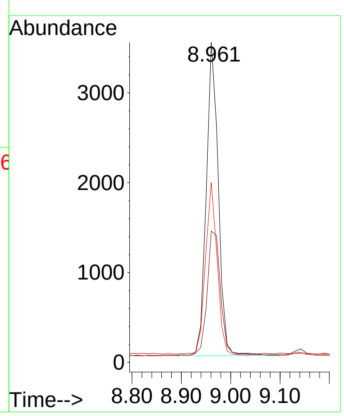




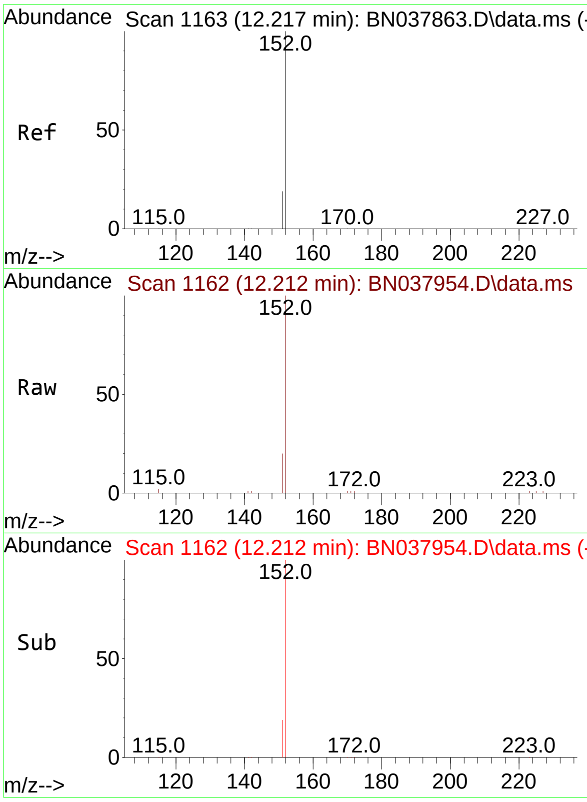
#8
Nitrobenzene-d5
Concen: 0.298 ng
RT: 8.961 min Scan# 785
Delta R.T. -0.011 min
Lab File: BN037954.D
Acq: 30 Sep 2025 20:12

Tgt Ion: 82 Resp: 5911

Ion	Ratio	Lower	Upper
82	100		
128	41.1	34.8	52.2
54	56.2	42.2	63.2



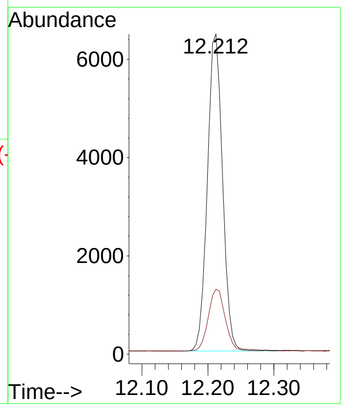
Instrument :
BNA_N
ClientSampleId :
TT20551-20250923

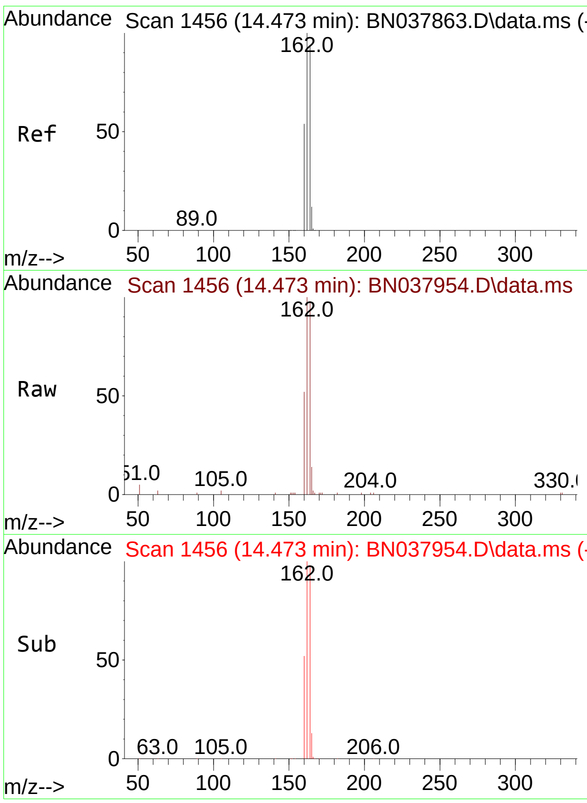


#11
2-Methylnaphthalene-d10
Concen: 0.285 ng
RT: 12.212 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN037954.D
Acq: 30 Sep 2025 20:12

Tgt Ion:152 Resp: 10286

Ion	Ratio	Lower	Upper
152	100		
151	21.7	17.4	26.2

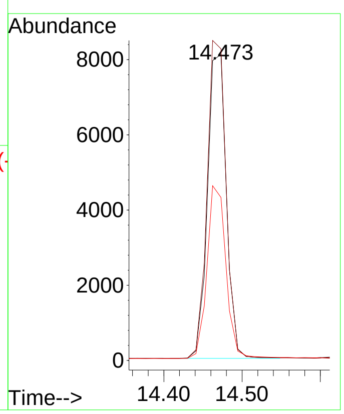




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.473 min Scan# 1456
Delta R.T. -0.000 min
Lab File: BN037954.D
Acq: 30 Sep 2025 20:12

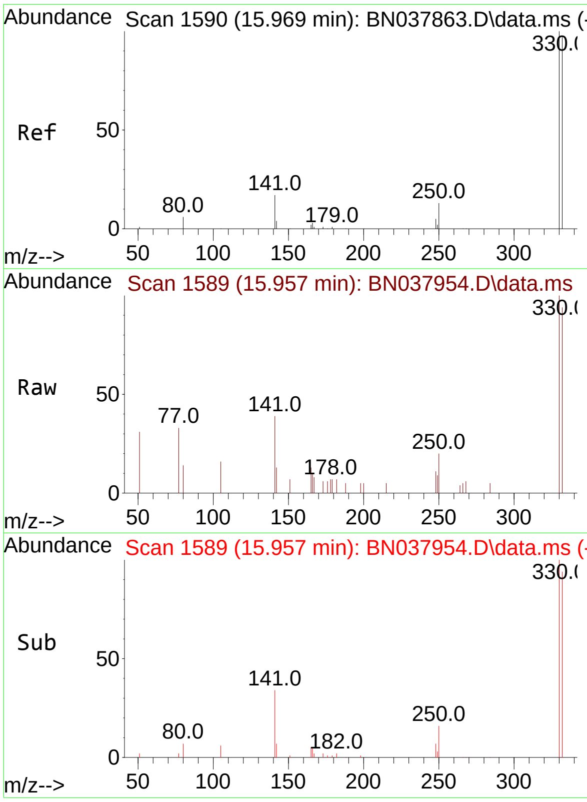
Tgt Ion:164 Resp: 13547

Ion	Ratio	Lower	Upper
164	100		
162	101.8	84.8	127.2
160	53.2	46.1	69.1



Instrument :
BNA_N
ClientSampleId :
TT20551-20250923

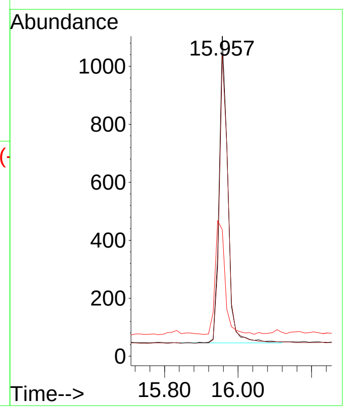
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

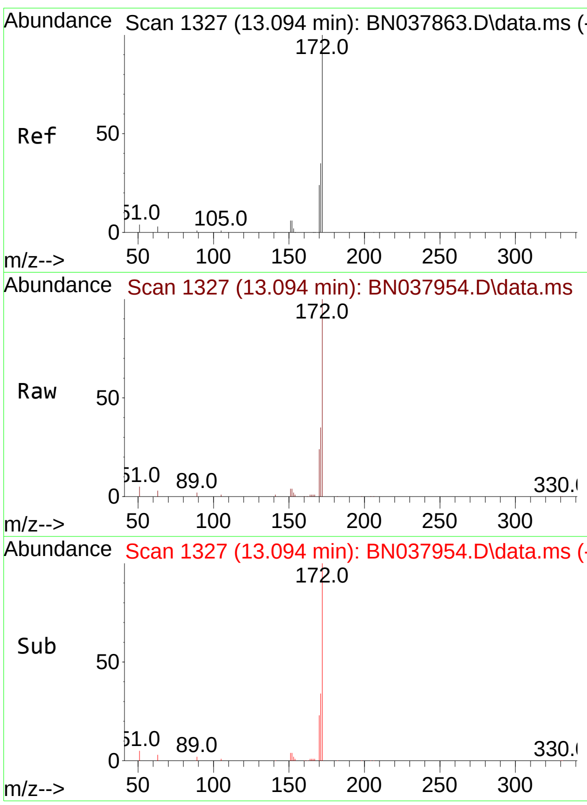


#14
2,4,6-Tribromophenol
Concen: 0.337 ng
RT: 15.957 min Scan# 1589
Delta R.T. -0.012 min
Lab File: BN037954.D
Acq: 30 Sep 2025 20:12

Tgt Ion:330 Resp: 1729

Ion	Ratio	Lower	Upper
330	100		
332	95.4	77.2	115.8
141	42.3	37.2	55.8

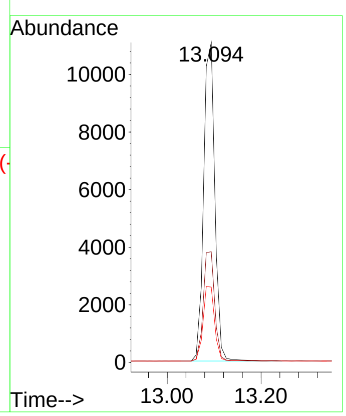




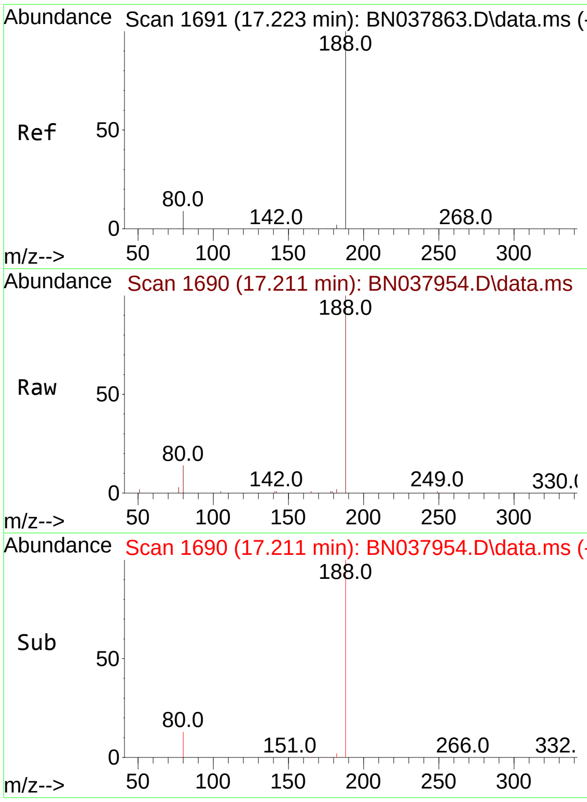
#15
2-Fluorobiphenyl
Concen: 0.331 ng
RT: 13.094 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BN037954.D
Acq: 30 Sep 2025 20:12

Tgt Ion:172 Resp: 18356

Ion	Ratio	Lower	Upper
172	100		
171	34.6	28.6	43.0
170	23.6	19.7	29.5



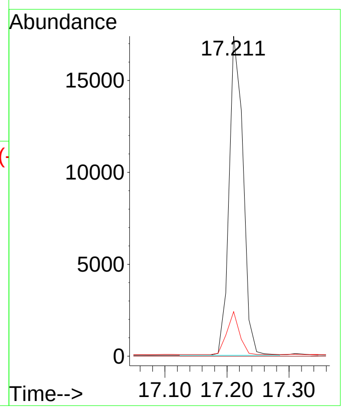
Instrument : BNA_N
ClientSampleId : TT20551-20250923

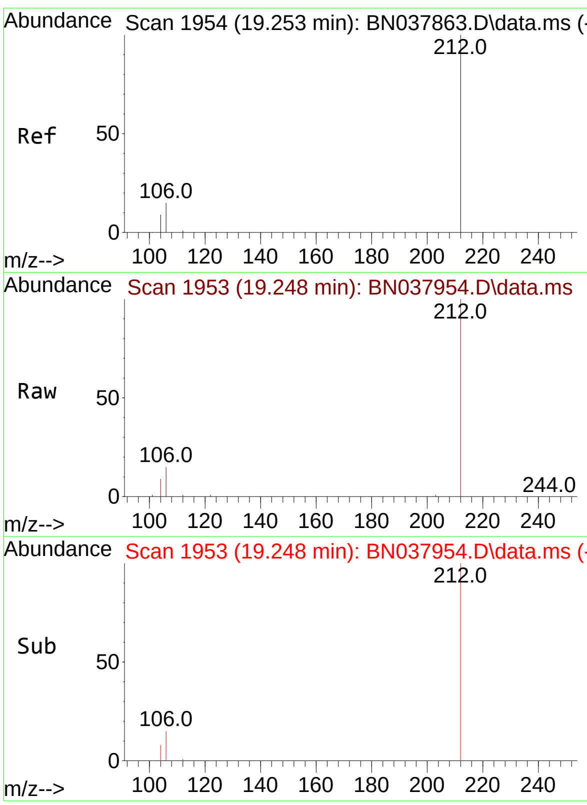


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.211 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037954.D
Acq: 30 Sep 2025 20:12

Tgt Ion:188 Resp: 27176

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	13.9	7.6	11.4#

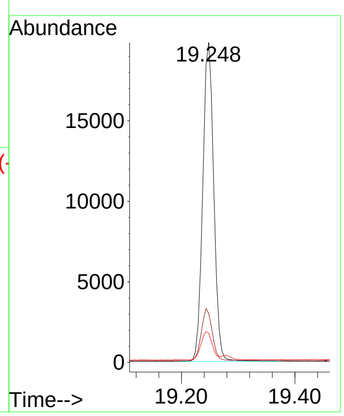




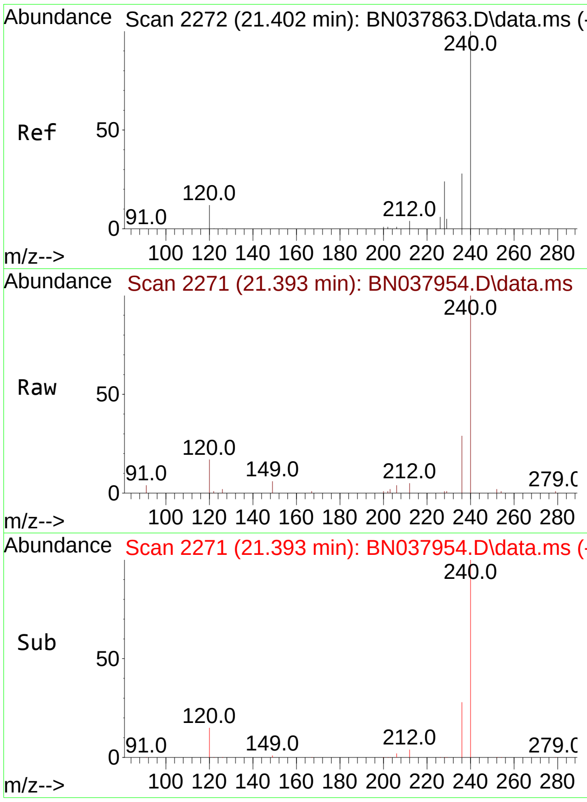
#27
Fluoranthene-d10
Concen: 0.391 ng
RT: 19.248 min Scan# 1953
Delta R.T. -0.005 min
Lab File: BN037954.D
Acq: 30 Sep 2025 20:12

Tgt Ion:212 Resp: 26742

Ion	Ratio	Lower	Upper
212	100		
106	16.2	12.6	19.0
104	9.0	7.4	11.0



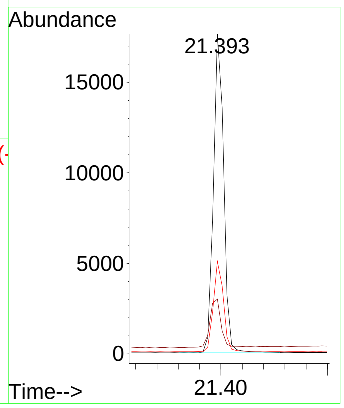
Instrument :
BNA_N
ClientSampleId :
TT20551-20250923

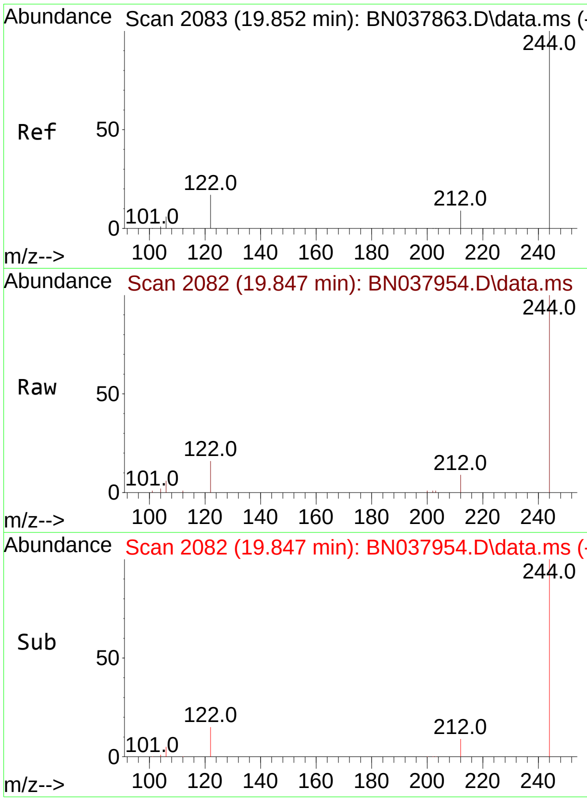


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.393 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037954.D
Acq: 30 Sep 2025 20:12

Tgt Ion:240 Resp: 23475

Ion	Ratio	Lower	Upper
240	100		
120	17.1	11.4	17.2
236	28.9	23.0	34.6

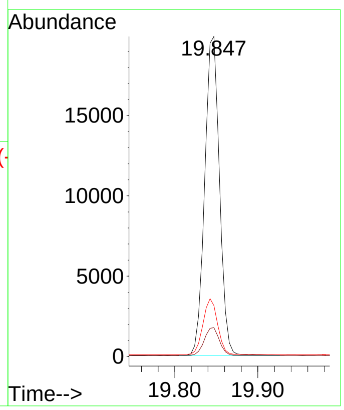




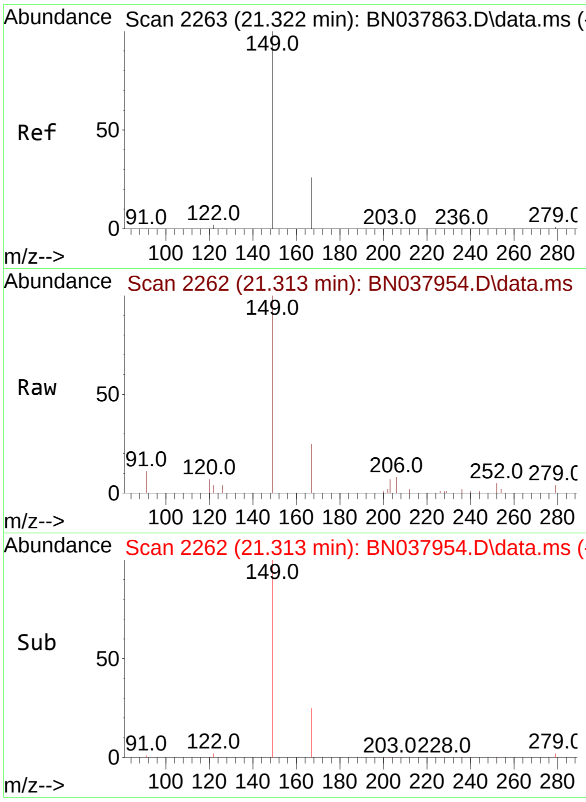
#31
Terphenyl-d14
Concen: 0.528 ng
RT: 19.847 min Scan# 2082
Delta R.T. -0.005 min
Lab File: BN037954.D
Acq: 30 Sep 2025 20:12

Tgt Ion:244 Resp: 24712

Ion	Ratio	Lower	Upper
244	100		
212	9.0	7.6	11.4
122	15.9	13.9	20.9



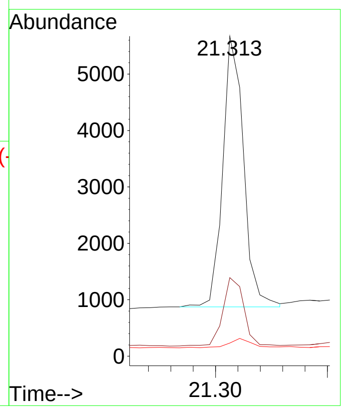
Instrument : BNA_N
ClientSampleId : TT20551-20250923

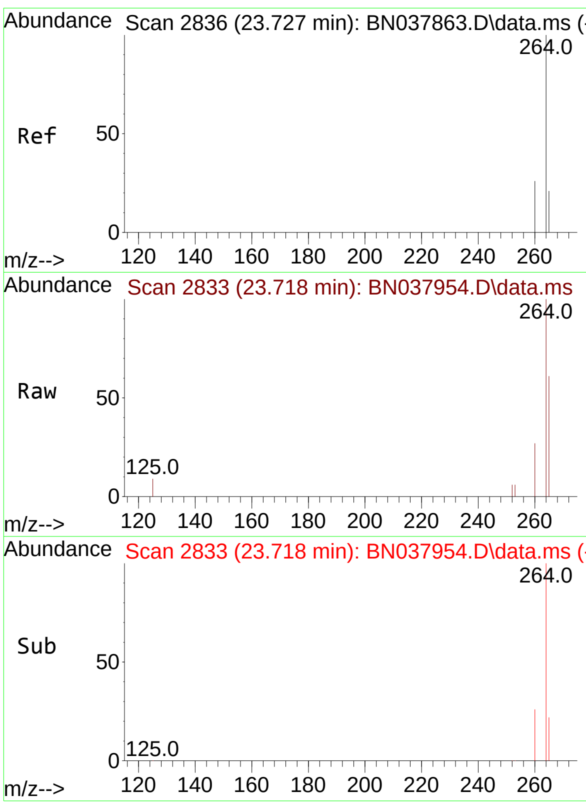


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.191 ng
RT: 21.313 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037954.D
Acq: 30 Sep 2025 20:12

Tgt Ion:149 Resp: 6206

Ion	Ratio	Lower	Upper
149	100		
167	25.4	20.4	30.6
279	4.4	2.4	3.6#

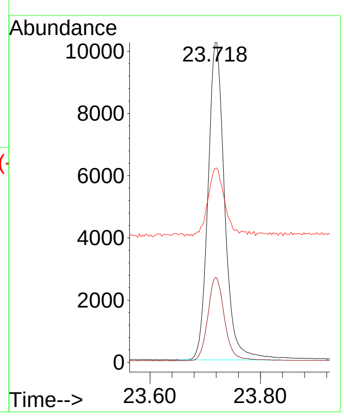




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.718 min Scan# 2833
Delta R.T. -0.009 min
Lab File: BN037954.D
Acq: 30 Sep 2025 20:12

Tgt Ion:264 Resp: 21465

Ion	Ratio	Lower	Upper
264	100		
260	26.5	21.5	32.3
265	60.7	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:	09/23/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258			Date Received:	09/24/25	
Client Sample ID:	RW10A-MW01I-20250923			SDG No.:	Q3193	
Lab Sample ID:	Q3193-09			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
BN037955.D	1	09/29/25 08:43	09/30/25 20:48	PB169886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.20	U	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.34		30 - 150		85%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.39		30 - 150		97%	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		91%	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	7050	7.811				
1146-65-2	Naphthalene-d8	21500	10.615				
15067-26-2	Acenaphthene-d10	11200	14.462				
1517-22-2	Phenanthrene-d10	23300	17.21				
1719-03-5	Chrysene-d12	19800	21.393				
1520-96-3	Perylene-d12	17700	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\BN093025\
Data File : BN037955.D
Acq On : 30 Sep 2025 20:48
Operator : RC/JU
Sample : Q3193-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RW10A-MW01I-20250923

Quant Time: Oct 01 01:23:38 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

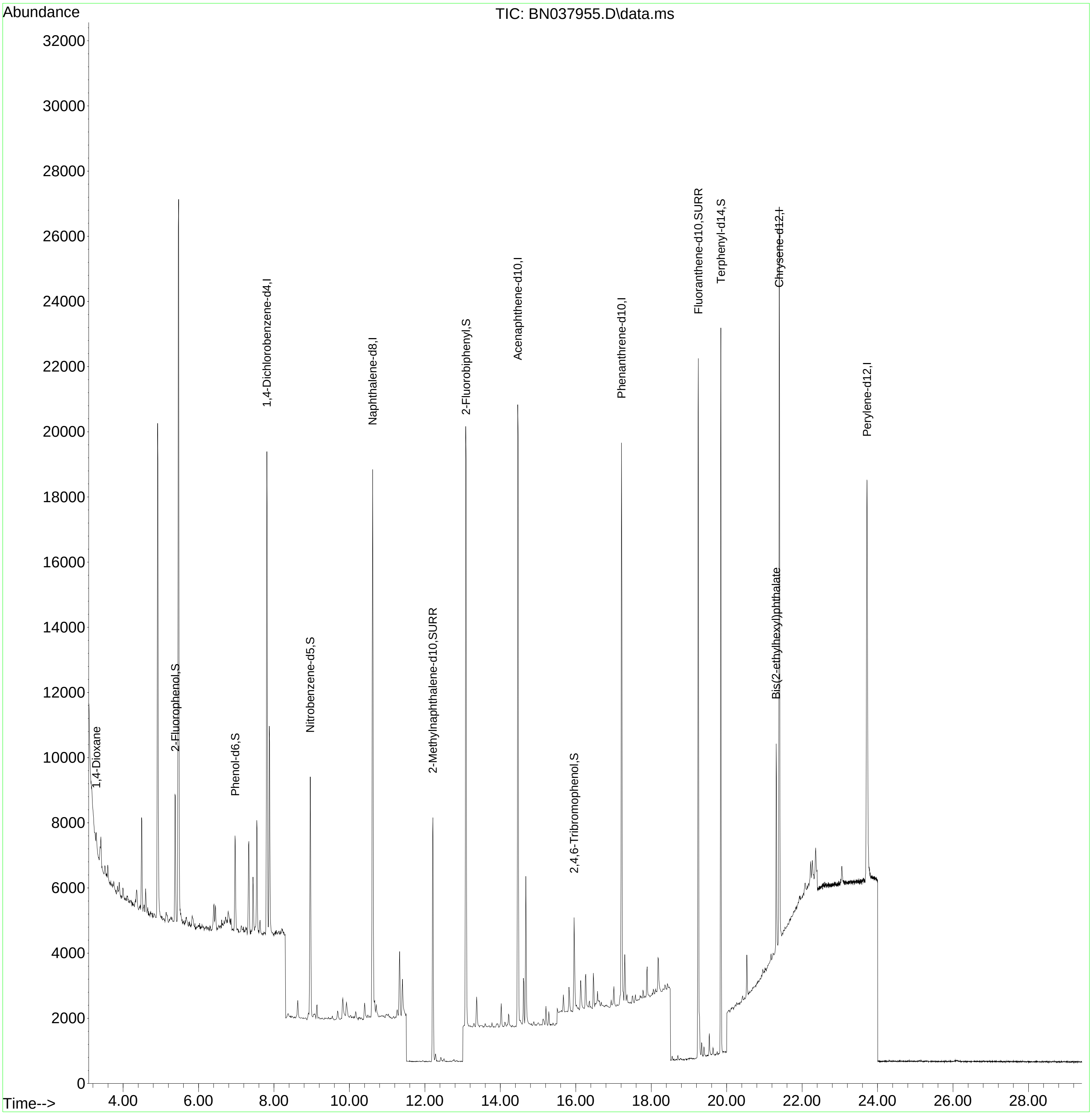
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.811	152	7049	0.400	ng	-0.01
7) Naphthalene-d8	10.615	136	21513	0.400	ng	-0.01
13) Acenaphthene-d10	14.462	164	11227	0.400	ng	-0.01
19) Phenanthrene-d10	17.210	188	23340	0.400	ng	#-0.01
29) Chrysene-d12	21.393	240	19828	0.400	ng	0.00
35) Perylene-d12	23.721	264	17731	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.384	112	3219	0.200	ng	0.00
5) Phenol-d6	6.973	99	2717	0.129	ng	0.00
8) Nitrobenzene-d5	8.961	82	5839	0.356	ng	-0.01
11) 2-Methylnaphthalene-d10	12.212	152	10196	0.341	ng	0.00
14) 2,4,6-Tribromophenol	15.957	330	1603	0.377	ng	-0.01
15) 2-Fluorobiphenyl	13.094	172	16762	0.365	ng	0.00
27) Fluoranthene-d10	19.248	212	22786	0.388	ng	0.00
31) Terphenyl-d14	19.847	244	20439	0.518	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.290	88	236	0.033	ng	# 19
34) Bis(2-ethylhexyl)phtha...	21.313	149	6247	0.228	ng	# 99

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

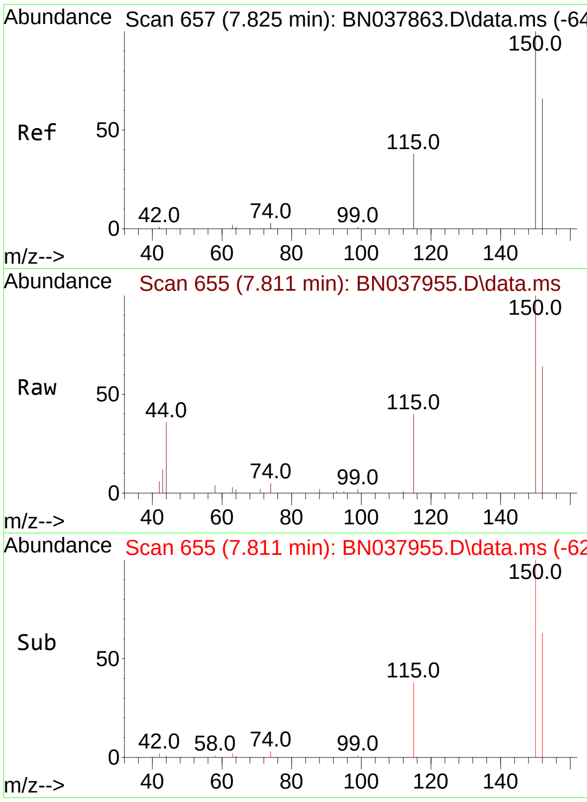
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN093025\
Data File : BN037955.D
Acq On   : 30 Sep 2025 20:48
Operator : RC/JU
Sample   : Q3193-09
Misc   :
ALS Vial : 13   Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RW10A-MW01I-20250923

Quant Time: Oct 01 01:23:38 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

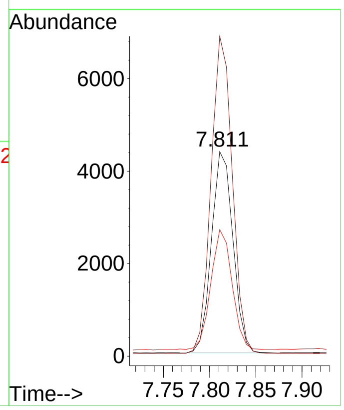


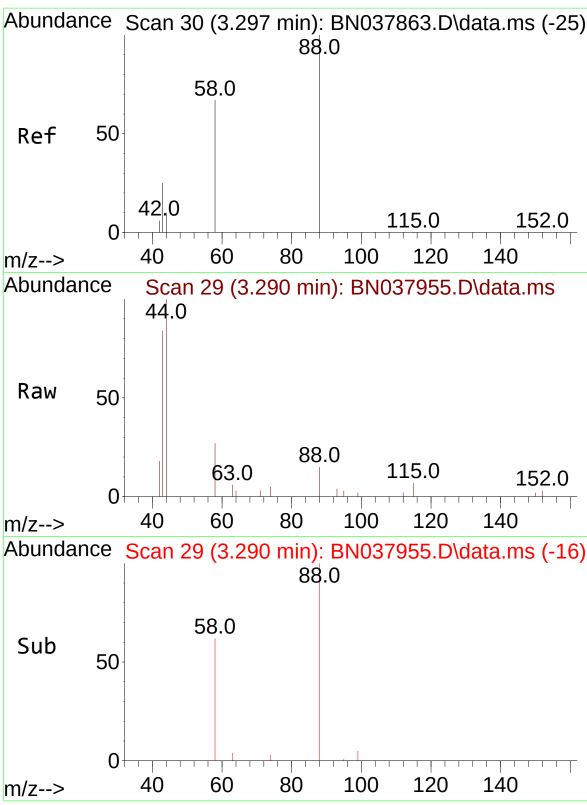
Instrument : BNA_N
ClientSampleId : RW10A-MW01I-20250923




```
#1
1,4-Dichlorobenzene-d4
Concen:    0.400 ng
RT:   7.811 min  Scan# 6!
Delta R.T.  -0.014 min
Lab File:   BN037955.D
Acq: 30 Sep 2025  20:48

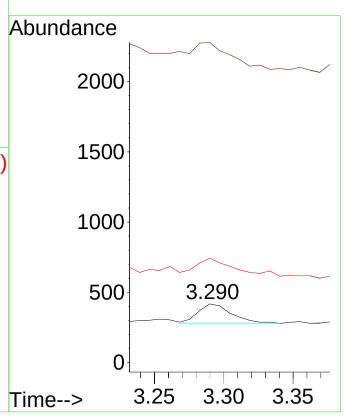
Tgt Ion:152 Resp:    7049
Ion  Ratio  Lower  Upper
152  100
150  156.3  121.0  181.4
115   61.8   47.4   71.0
```



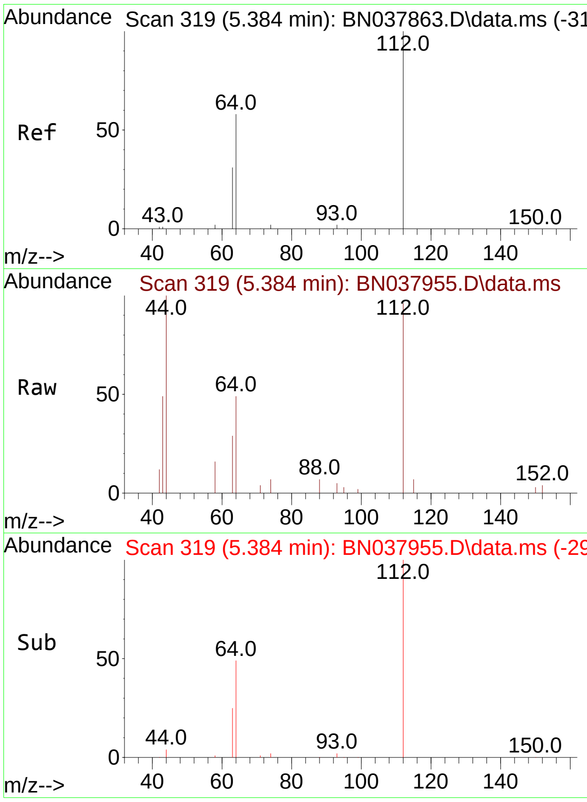



```
#2
1,4-Dioxane
Concen:    0.033 ng
RT:   3.290 min  Scan# 29
Delta R.T.  -0.007 min
Lab File:   BN037955.D
Acq: 30 Sep 2025  20:48

Tgt Ion: 88 Resp:     236
Ion  Ratio  Lower  Upper
 88  100
 43  140.7   26.6   39.8#
 58  100.0   58.9   88.3#
```



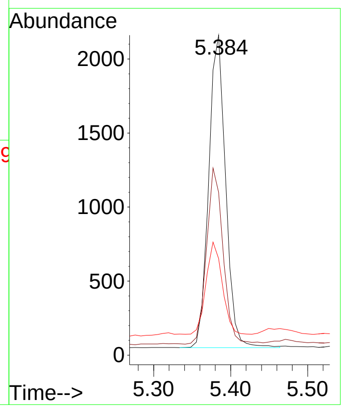
Instrument :
BNA_N
ClientSampleId :
RW10A-MW01I-20250923

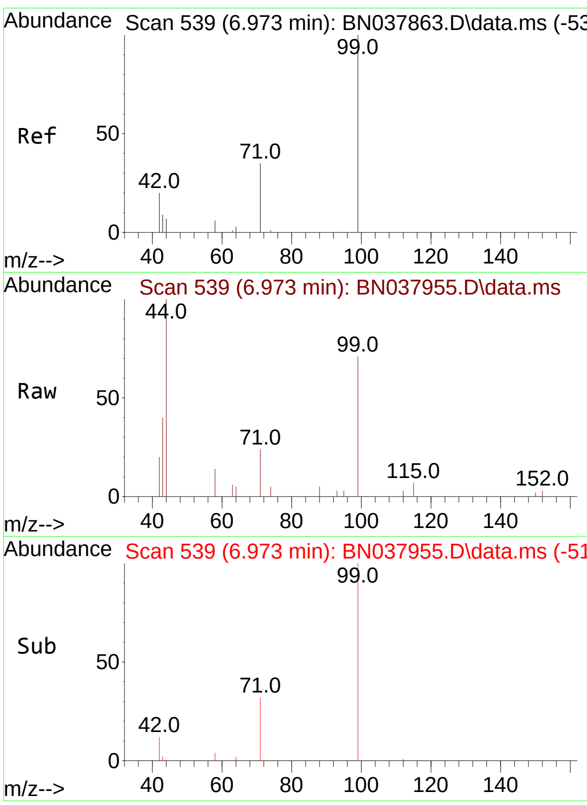


#4
2-Fluorophenol
Concen: 0.200 ng
RT: 5.384 min   Scan# 3
Delta R.T.   -0.000 min
Lab File: BN037955.D
Acq: 30 Sep 2025 20:48

Tgt Ion:112 Resp: 3219

Ion	Ratio	Lower	Upper
112	100		
64	55.3	44.6	66.8
63	29.2	24.9	37.3

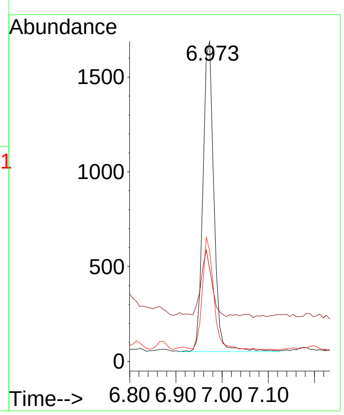




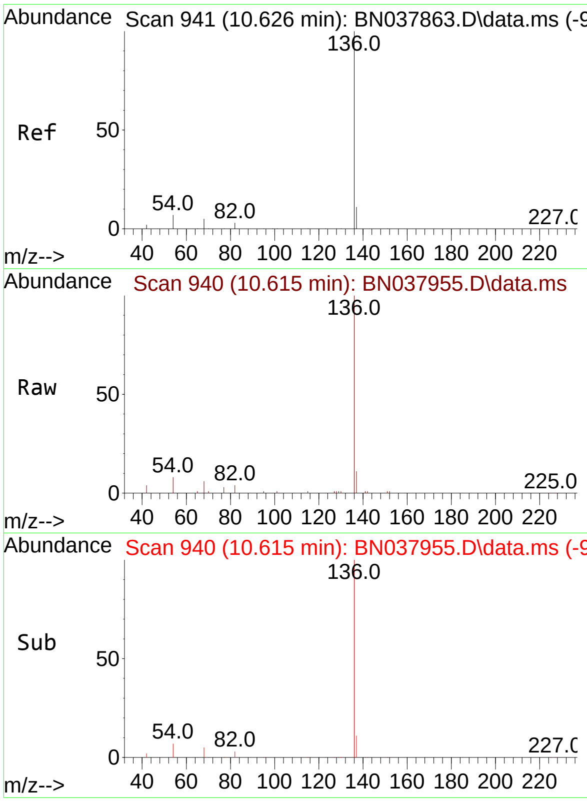
#5
Phenol-d6
Concen: 0.129 ng
RT: 6.973 min   Scan# 539
Delta R.T.   -0.000 min
Lab File: BN037955.D
Acq: 30 Sep 2025 20:48

Tgt Ion: 99 Resp: 2717

Ion	Ratio	Lower	Upper
99	100		
42	20.6	17.2	25.8
71	35.9	27.3	40.9



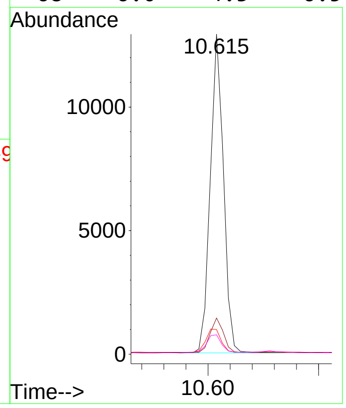
Instrument :
BNA_N
ClientSampleId :
RW10A-MW01I-20250923

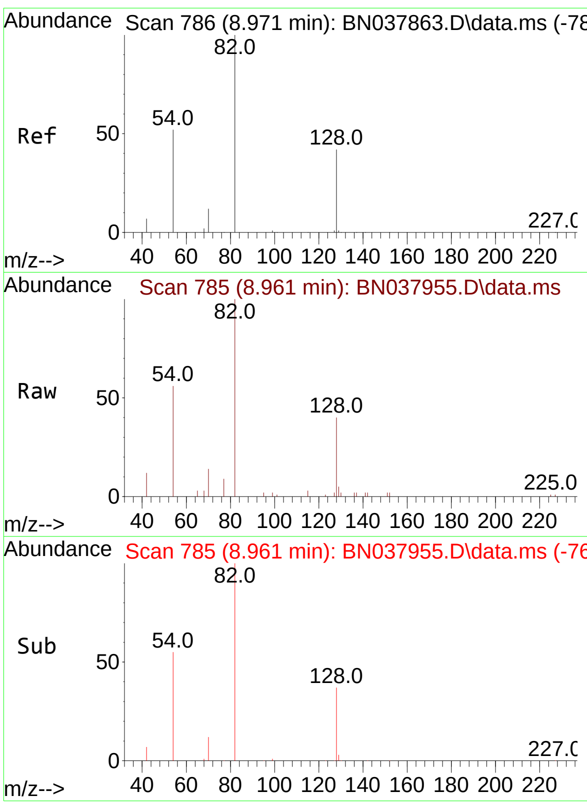


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.615 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037955.D
Acq: 30 Sep 2025 20:48

Tgt Ion:136 Resp: 21513

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.4
54	7.7	5.8	8.8
68	6.0	4.3	6.5

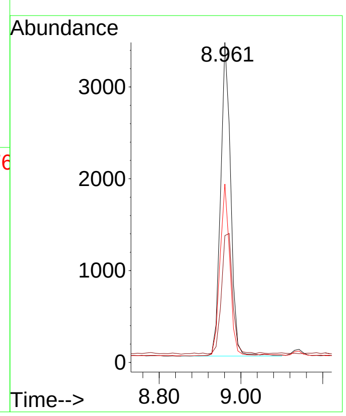




#8
Nitrobenzene-d5
Concen: 0.356 ng
RT: 8.961 min Scan# 785
Delta R.T. -0.011 min
Lab File: BN037955.D
Acq: 30 Sep 2025 20:48

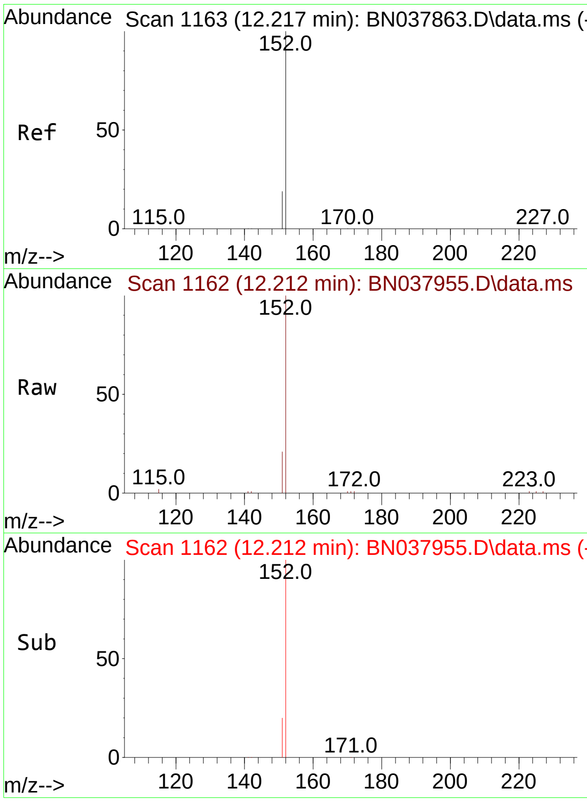
Tgt Ion: 82 Resp: 5839

Ion	Ratio	Lower	Upper
82	100		
128	39.6	34.8	52.2
54	55.7	42.2	63.2



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

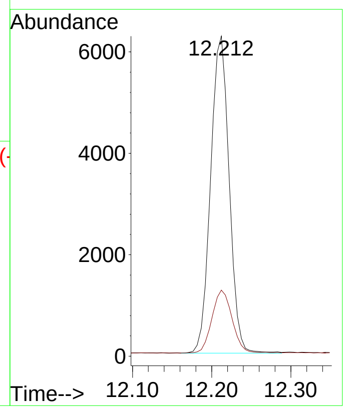
Instrument :
BNA_N
ClientSampleId :
RW10A-MW01I-20250923

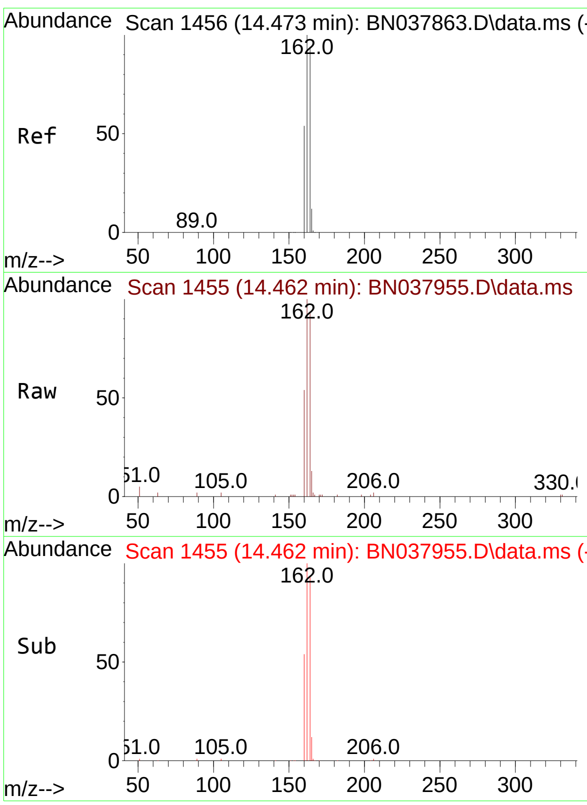


#11
2-Methylnaphthalene-d10
Concen: 0.341 ng
RT: 12.212 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN037955.D
Acq: 30 Sep 2025 20:48

Tgt Ion:152 Resp: 10196

Ion	Ratio	Lower	Upper
152	100		
151	21.5	17.4	26.2

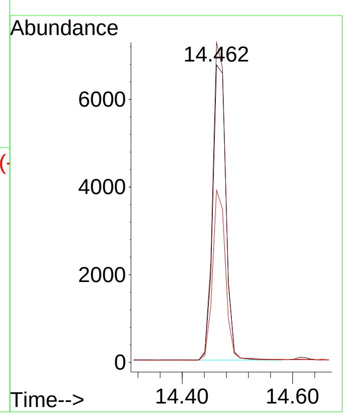




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.462 min Scan# 1455
Delta R.T. -0.011 min
Lab File: BN037955.D
Acq: 30 Sep 2025 20:48

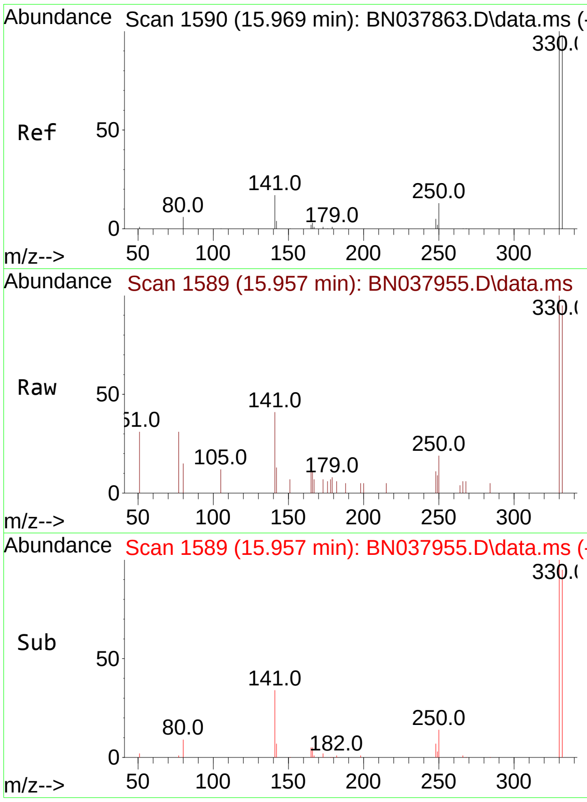
Tgt Ion:164 Resp: 11227

Ion	Ratio	Lower	Upper
164	100		
162	107.6	84.8	127.2
160	57.9	46.1	69.1



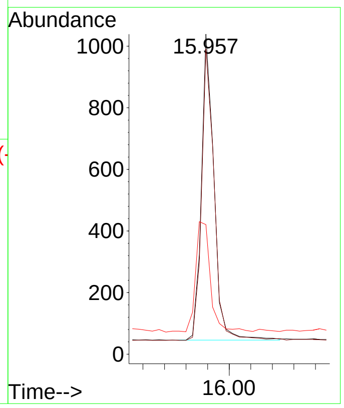
Instrument :
BNA_N
ClientSampleId :
RW10A-MW01I-20250923

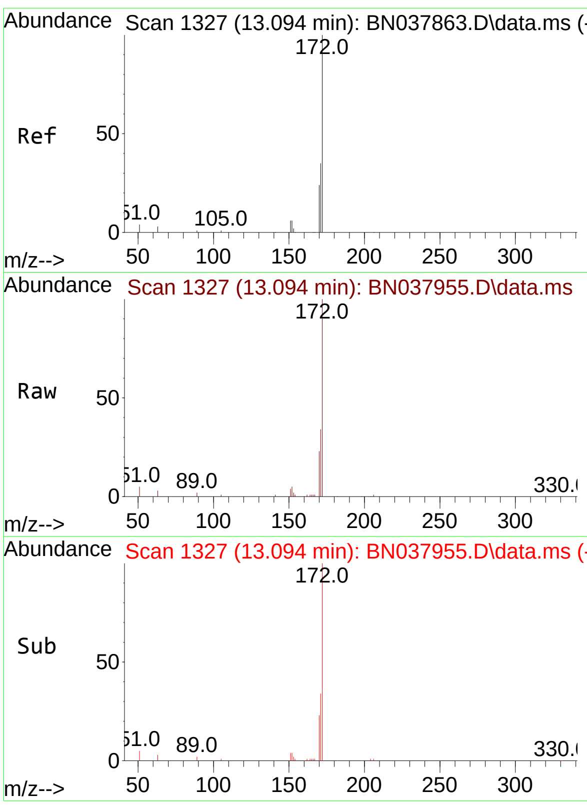
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17




```
#14
2,4,6-Tribromophenol
Concen:    0.377 ng
RT:  15.957 min  Scan# 1
Delta R.T.  -0.012 min
Lab File:   BN037955.D
Acq: 30 Sep 2025  20:48

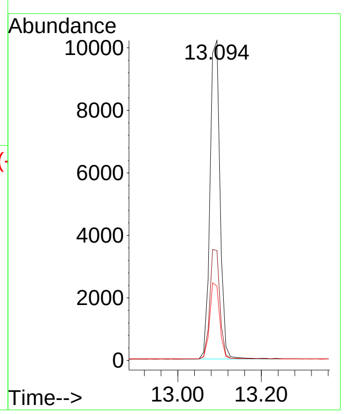
Tgt Ion:330 Resp:    1603
Ion  Ratio  Lower  Upper
330  100
332   96.2   77.2  115.8
141   41.7   37.2   55.8
```



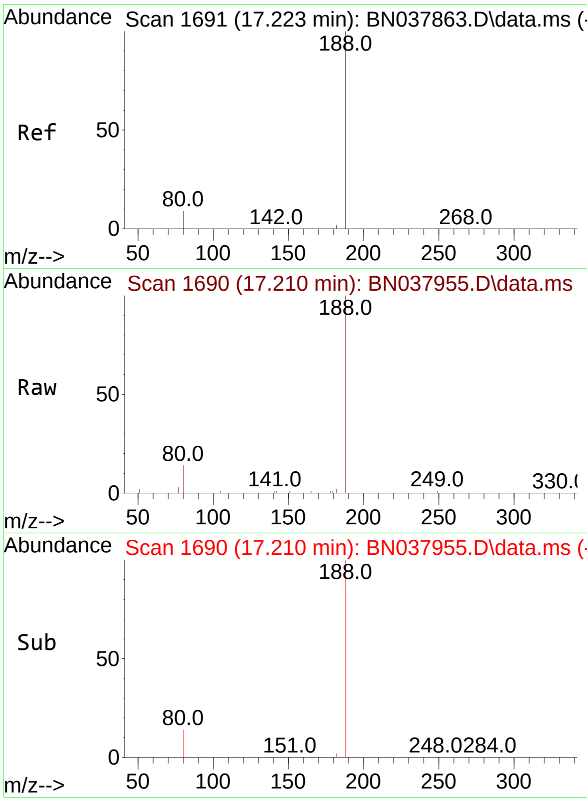



```
#15
2-Fluorobiphenyl
Concen:    0.365 ng
RT:  13.094 min  Scan# 1327
Delta R.T.  -0.000 min
Lab File:   BN037955.D
Acq: 30 Sep 2025  20:48

Tgt Ion:172 Resp:   16762
Ion  Ratio  Lower  Upper
172  100
171   34.3   28.6   43.0
170   23.2   19.7   29.5
```



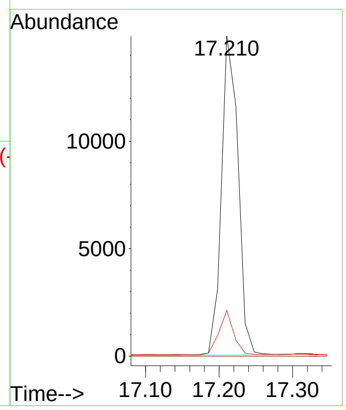
Instrument :
BNA_N
ClientSampleId :
RW10A-MW01I-20250923

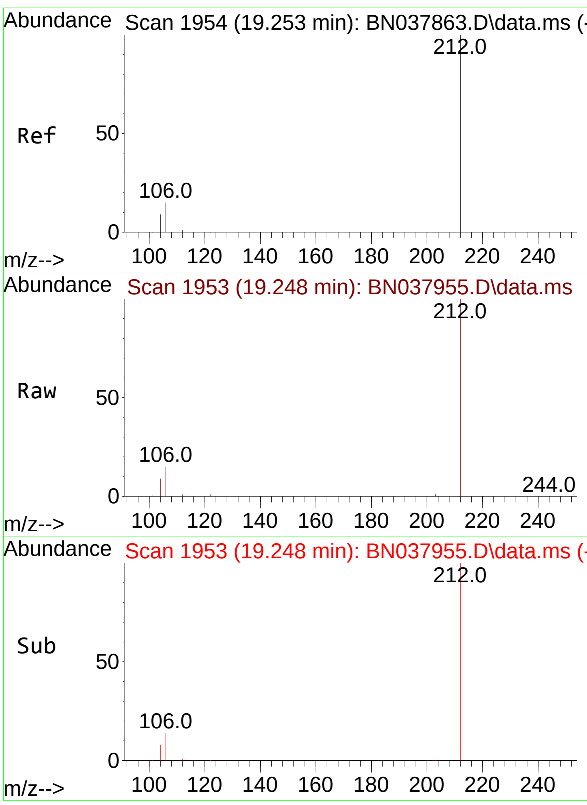


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.210 min Scan# 1
Delta R.T. -0.013 min
Lab File: BN037955.D
Acq: 30 Sep 2025 20:48

Tgt Ion:188 Resp: 23340

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	14.3	7.6	11.4#

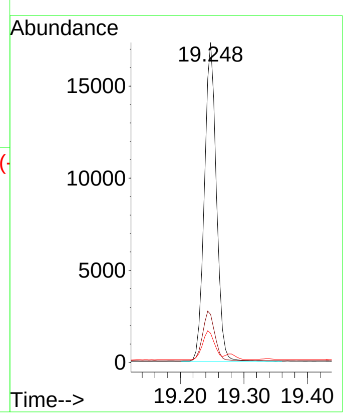




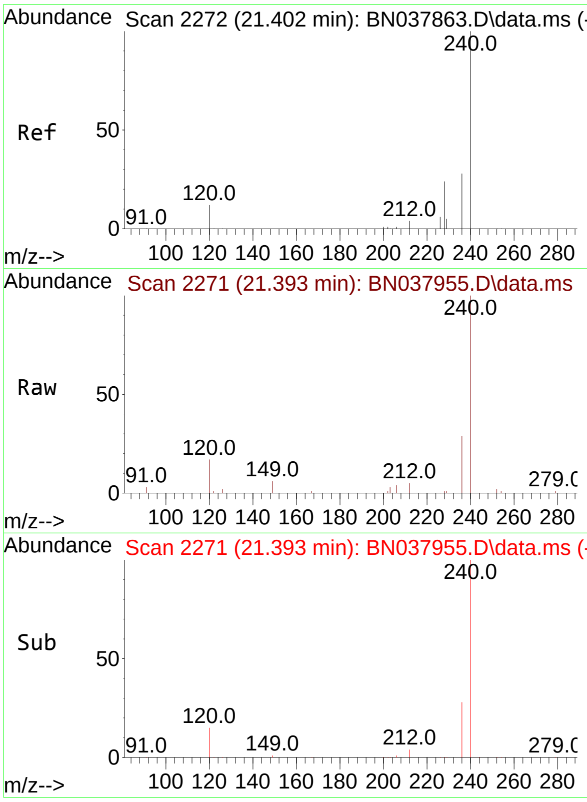
#27
Fluoranthene-d10
Concen: 0.388 ng
RT: 19.248 min Scan# 1953
Delta R.T. -0.005 min
Lab File: BN037955.D
Acq: 30 Sep 2025 20:48

Tgt Ion:212 Resp: 22786

Ion	Ratio	Lower	Upper
212	100		
106	15.8	12.6	19.0
104	9.2	7.4	11.0

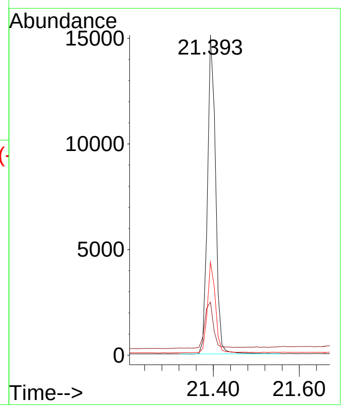


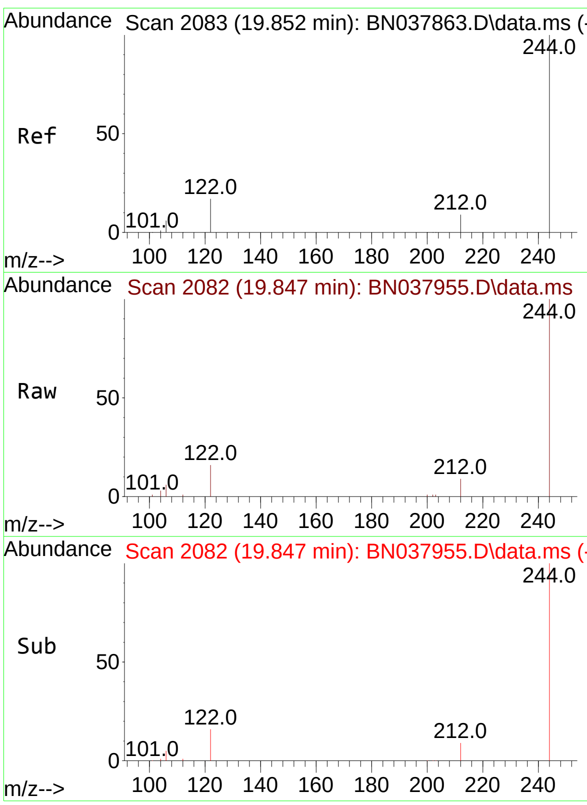
Instrument :
BNA_N
ClientSampleId :
RW10A-MW01I-20250923




```
#29
Chrysene-d12
Concen:    0.400 ng
RT:  21.393 min  Scan# 2
Delta R.T.   -0.009 min
Lab File:    BN037955.D
Acq: 30 Sep 2025  20:48

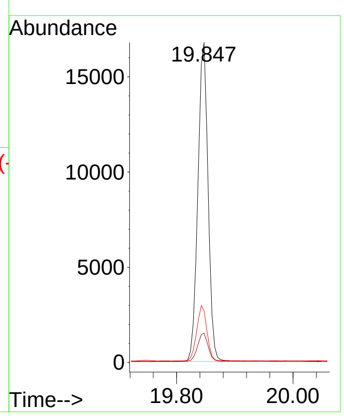
Tgt Ion:240 Resp:   19828
Ion  Ratio  Lower  Upper
240  100
120   16.6   11.4   17.2
236   29.1   23.0   34.6
```



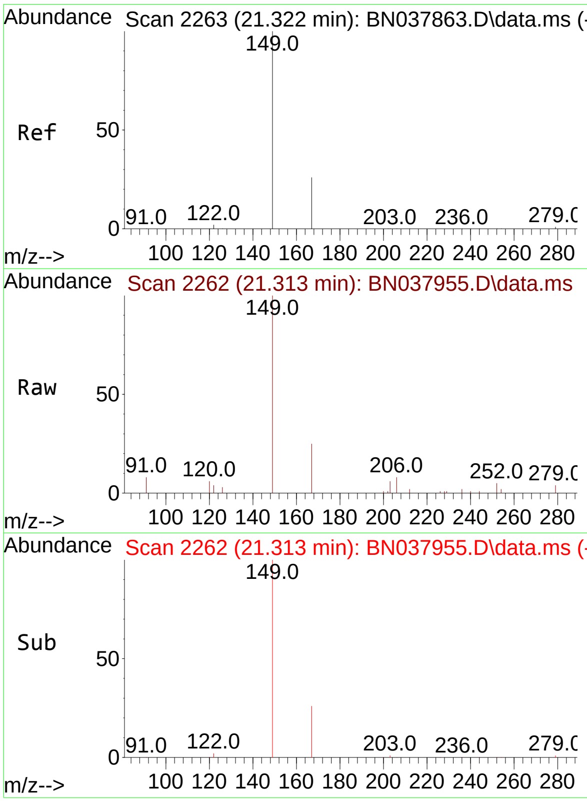



```
#31
Terphenyl-d14
Concen:    0.518 ng
RT:  19.847 min  Scan# 2082
Delta R.T.   -0.005 min
Lab File:    BN037955.D
Acq: 30 Sep 2025  20:48

Tgt Ion:244 Resp:   20439
Ion  Ratio  Lower  Upper
244  100
212    9.2    7.6   11.4
122   16.2   13.9   20.9
```



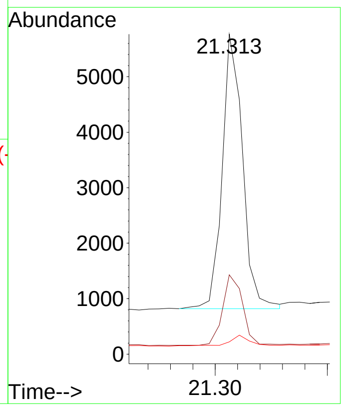
Instrument :
BNA_N
ClientSampleId :
RW10A-MW01I-20250923

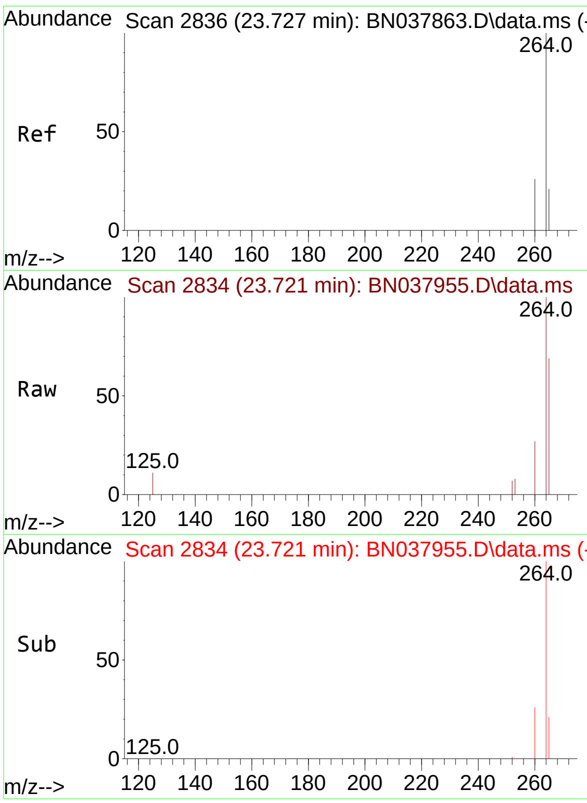


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.228 ng
RT: 21.313 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037955.D
Acq: 30 Sep 2025 20:48

Tgt Ion:149 Resp: 6247

Ion	Ratio	Lower	Upper
149	100		
167	25.4	20.4	30.6
279	4.2	2.4	3.6#

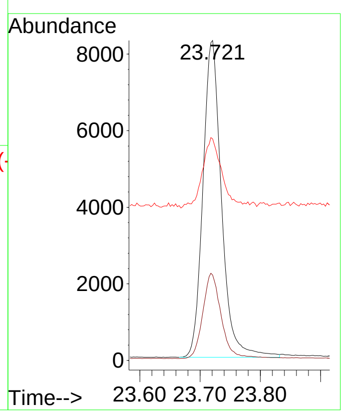




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.721 min Scan# 2834
Delta R.T. -0.006 min
Lab File: BN037955.D
Acq: 30 Sep 2025 20:48

Tgt Ion:264 Resp: 17731

Ion	Ratio	Lower	Upper
264	100		
260	26.7	21.5	32.3
265	69.3	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:	09/23/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	RW8-MW01S-20250923	SDG No.:	Q3193
Lab Sample ID:	Q3193-10	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
BN037956.D	1	09/29/25 08:43	09/30/25 21:25	PB169886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.50		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.33		30 - 150		81%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.40		30 - 150		100%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.34		55 - 111		85%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.35		53 - 106		87%	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	8340	7.811				
1146-65-2	Naphthalene-d8	24200	10.615				
15067-26-2	Acenaphthene-d10	12800	14.462				
1517-22-2	Phenanthrene-d10	26900	17.21				
1719-03-5	Chrysene-d12	23300	21.393				
1520-96-3	Perylene-d12	20300	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\BN093025\
Data File : BN037956.D
Acq On : 30 Sep 2025 21:25
Operator : RC/JU
Sample : Q3193-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RW8-MW01S-20250923

Quant Time: Oct 01 01:23:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration

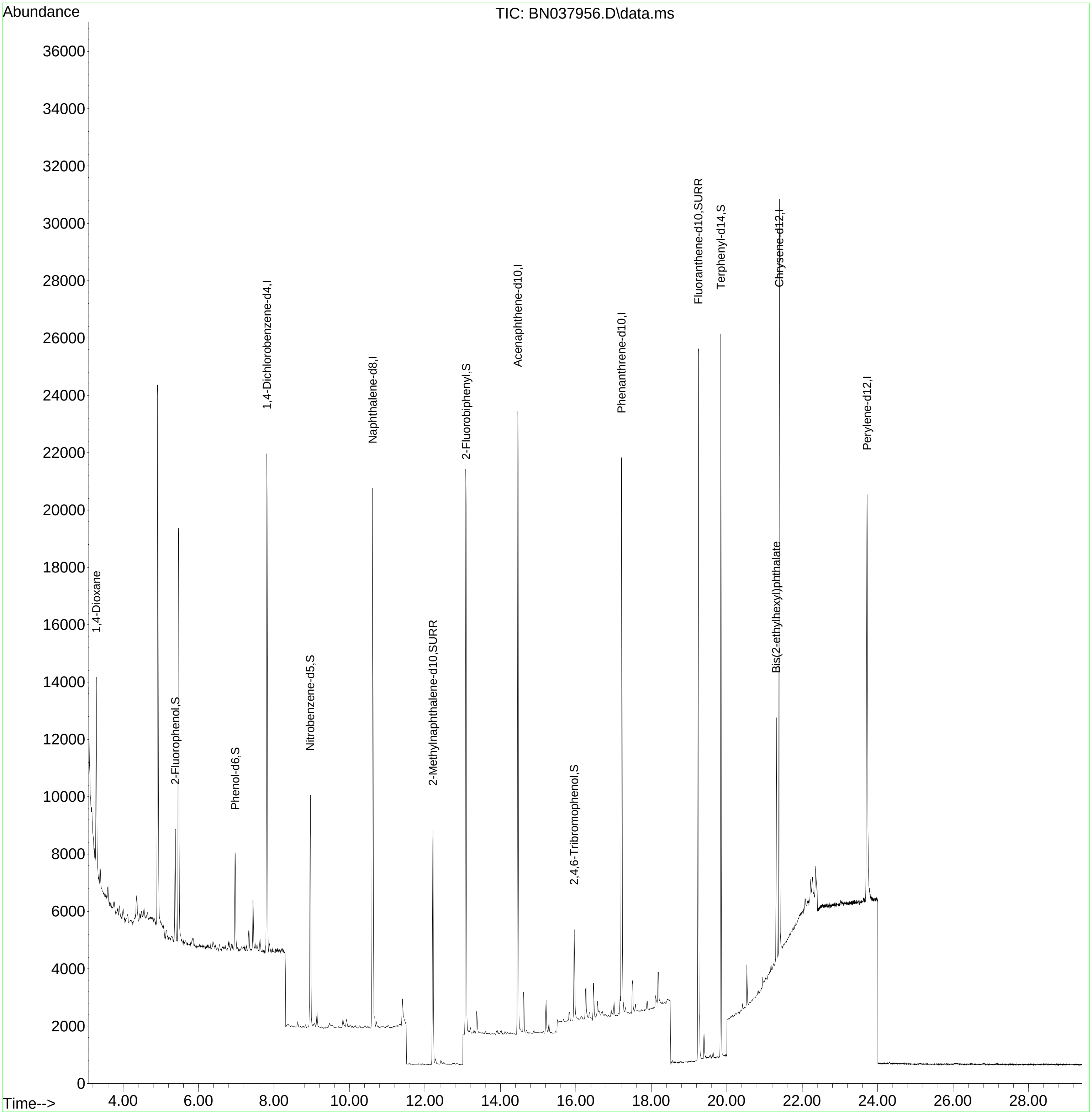
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	7.811	152	8340	0.400 ng	-0.01
7) Naphthalene-d8	10.615	136	24203	0.400 ng	-0.01
13) Acenaphthene-d10	14.462	164	12799	0.400 ng	-0.01
19) Phenanthrene-d10	17.210	188	26901	0.400 ng	#-0.01
29) Chrysene-d12	21.393	240	23284	0.400 ng	0.00
35) Perylene-d12	23.718	264	20264	0.400 ng	0.00
System Monitoring Compounds					
4) 2-Fluorophenol	5.384	112	3201	0.168 ng	0.00
5) Phenol-d6	6.973	99	3203	0.128 ng	0.00
8) Nitrobenzene-d5	8.961	82	6282	0.340 ng	-0.01
11) 2-Methylnaphthalene-d10	12.212	152	10939	0.325 ng	0.00
14) 2,4,6-Tribromophenol	15.957	330	1783	0.367 ng	-0.01
15) 2-Fluorobiphenyl	13.094	172	18307	0.349 ng	0.00
27) Fluoranthene-d10	19.248	212	27206	0.402 ng	0.00
31) Terphenyl-d14	19.842	244	23131	0.499 ng	0.00
Target Compounds					Qvalue
2) 1,4-Dioxane	3.290	88	4269	0.504 ng	# 91
34) Bis(2-ethylhexyl)phtha...	21.313	149	7965	0.247 ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN093025\
Data File : BN037956.D
Acq On : 30 Sep 2025 21:25
Operator : RC/JU
Sample : Q3193-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RW8-MW01S-20250923

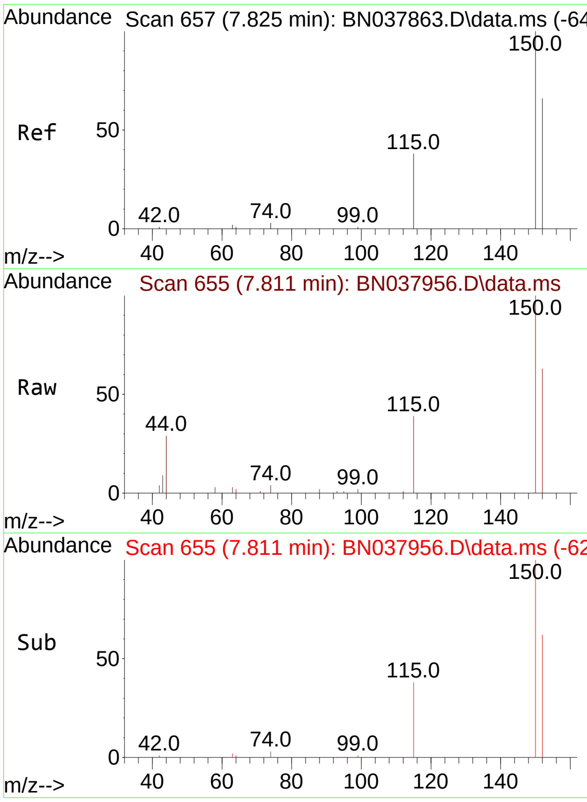
Quant Time: Oct 01 01:23:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

Instrument :
BNA_N
ClientSampleId :
RW8-MW01S-20250923

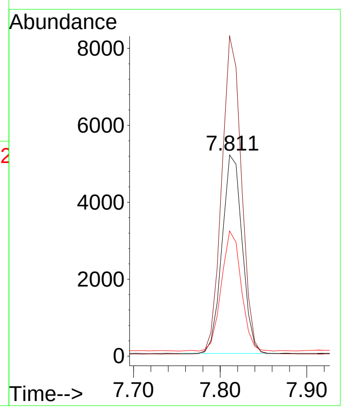
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

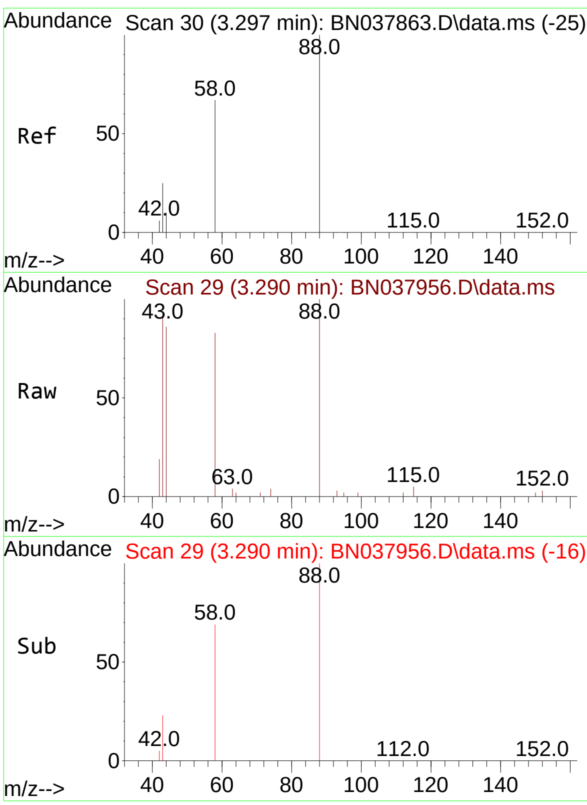


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.811 min Scan# 6
Delta R.T. -0.014 min
Lab File: BN037956.D
Acq: 30 Sep 2025 21:25

Tgt Ion:152 Resp: 8340

Ion	Ratio	Lower	Upper
152	100		
150	159.2	121.0	181.4
115	62.3	47.4	71.0

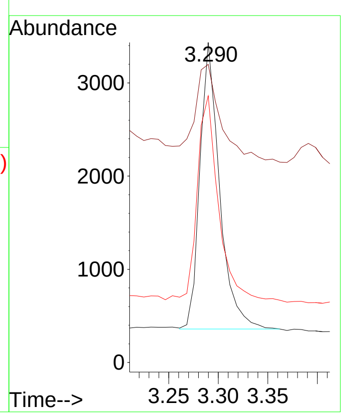




#2
1,4-Dioxane
Concen: 0.504 ng
RT: 3.290 min Scan# 29
Delta R.T. -0.007 min
Lab File: BN037956.D
Acq: 30 Sep 2025 21:25

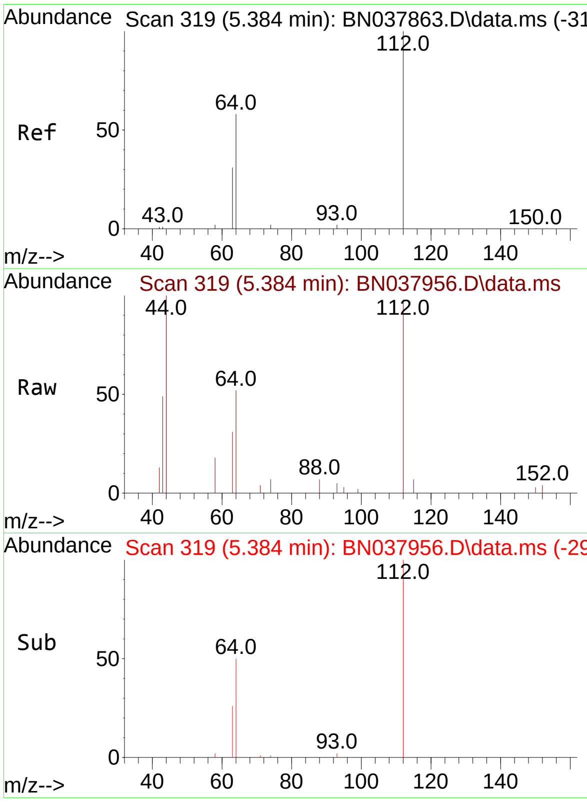
Tgt Ion: 88 Resp: 4269

Ion	Ratio	Lower	Upper
88	100		
43	46.7	26.6	39.8#
58	75.8	58.9	88.3



Instrument :
BNA_N
ClientSampleId :
RW8-MW01S-20250923

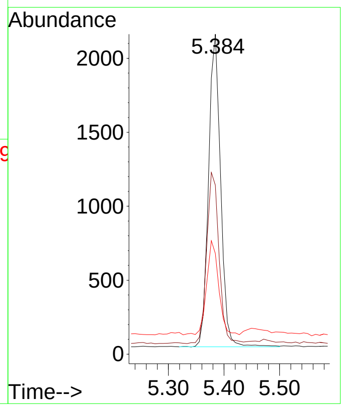
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

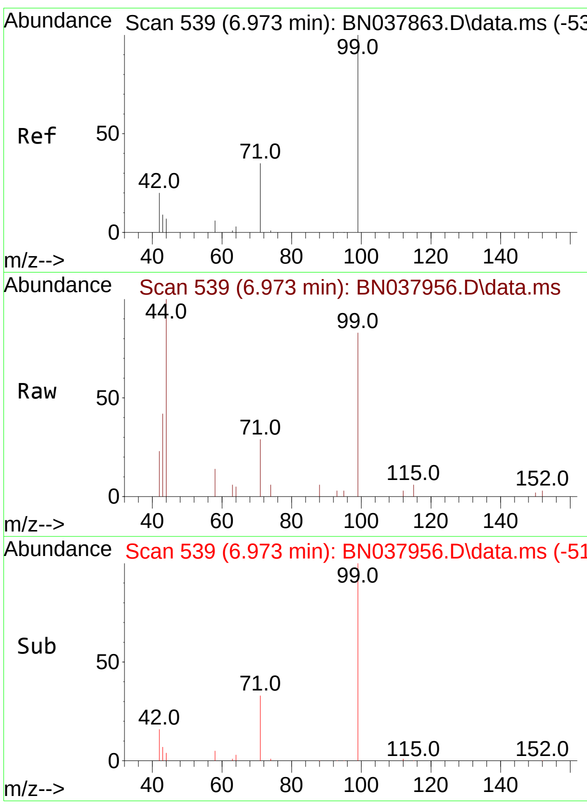


#4
2-Fluorophenol
Concen: 0.168 ng
RT: 5.384 min Scan# 3
Delta R.T. -0.000 min
Lab File: BN037956.D
Acq: 30 Sep 2025 21:25

Tgt Ion:112 Resp: 3201

Ion	Ratio	Lower	Upper
112	100		
64	56.0	44.6	66.8
63	29.6	24.9	37.3

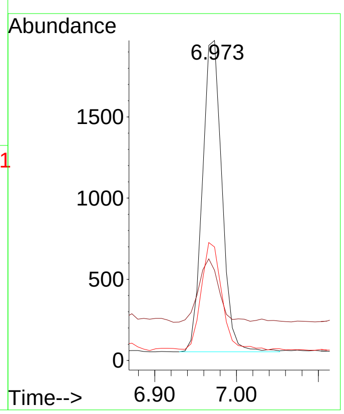




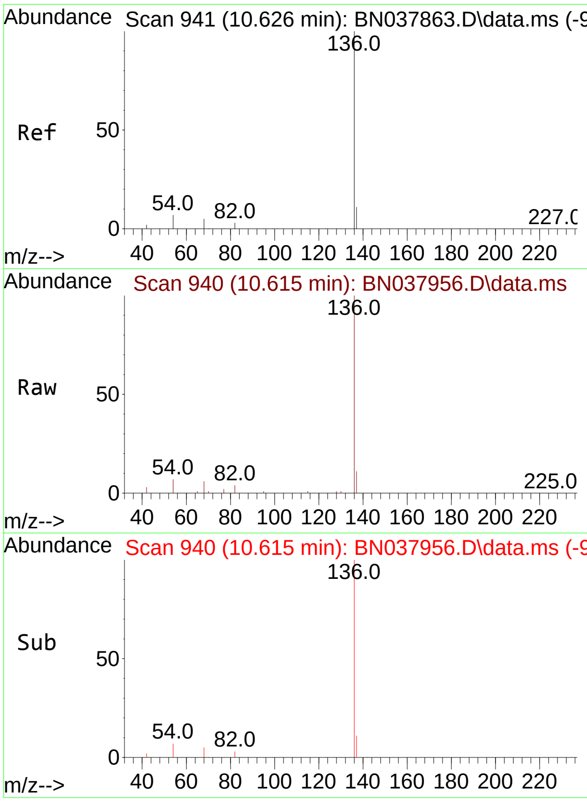
#5
Phenol-d6
Concen: 0.128 ng
RT: 6.973 min Scan# 539
Delta R.T. -0.000 min
Lab File: BN037956.D
Acq: 30 Sep 2025 21:25

Tgt Ion: 99 Resp: 3203

Ion	Ratio	Lower	Upper
99	100		
42	20.9	17.2	25.8
71	36.4	27.3	40.9

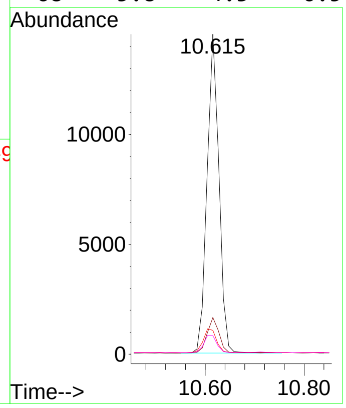


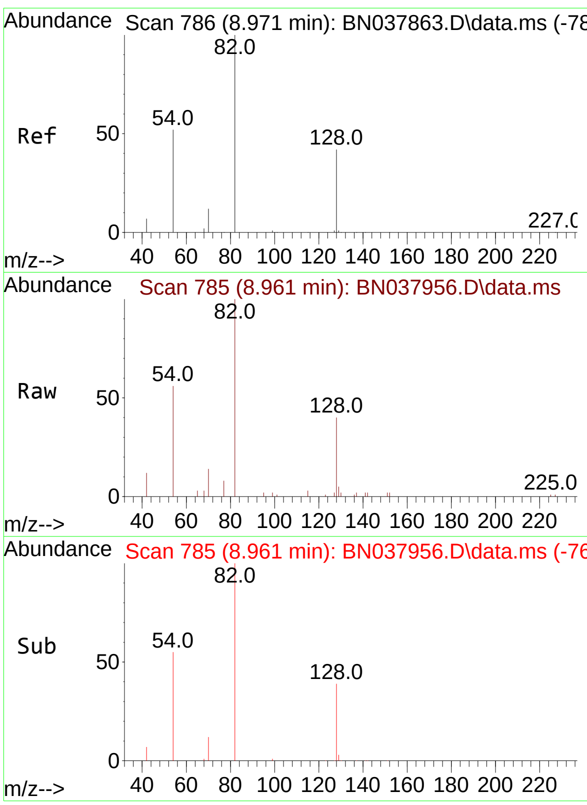
Instrument :
BNA_N
ClientSampleId :
RW8-MW01S-20250923




```
#7
Naphthalene-d8
Concen:    0.400 ng
RT:  10.615 min  Scan# 94
Delta R.T.  -0.011 min
Lab File:   BN037956.D
Acq: 30 Sep 2025  21:25

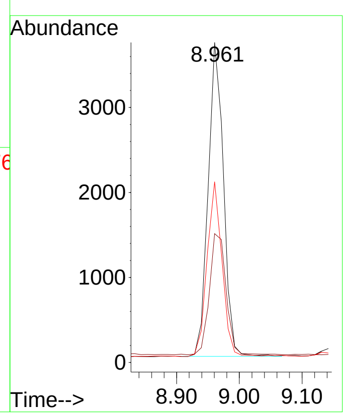
Tgt Ion:136 Resp:   24203
Ion  Ratio  Lower  Upper
136  100
137   11.4    9.0   13.4
 54    7.5    5.8    8.8
 68    5.8    4.3    6.5
```



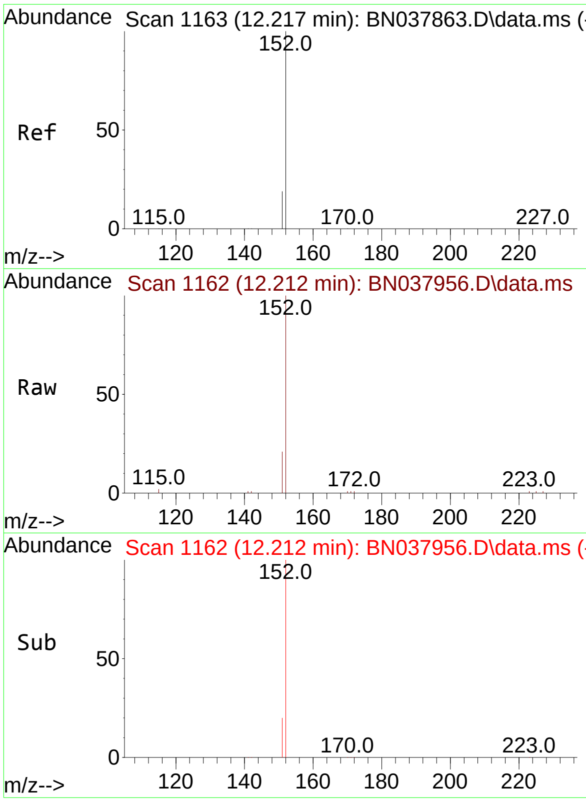



```
#8
Nitrobenzene-d5
Concen:    0.340 ng
RT:   8.961 min  Scan# 785
Delta R.T.  -0.011 min
Lab File:   BN037956.D
Acq: 30 Sep 2025  21:25

Tgt Ion: 82 Resp:    6282
Ion  Ratio  Lower  Upper
 82  100
128   40.3   34.8   52.2
 54   56.5   42.2   63.2
```



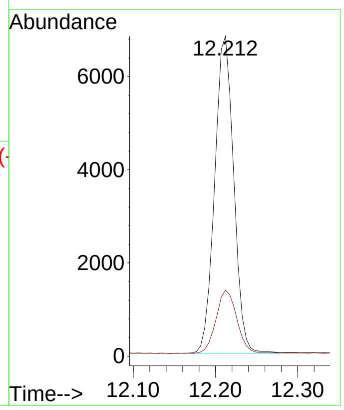
Instrument : BNA_N
ClientSampleId : RW8-MW01S-20250923

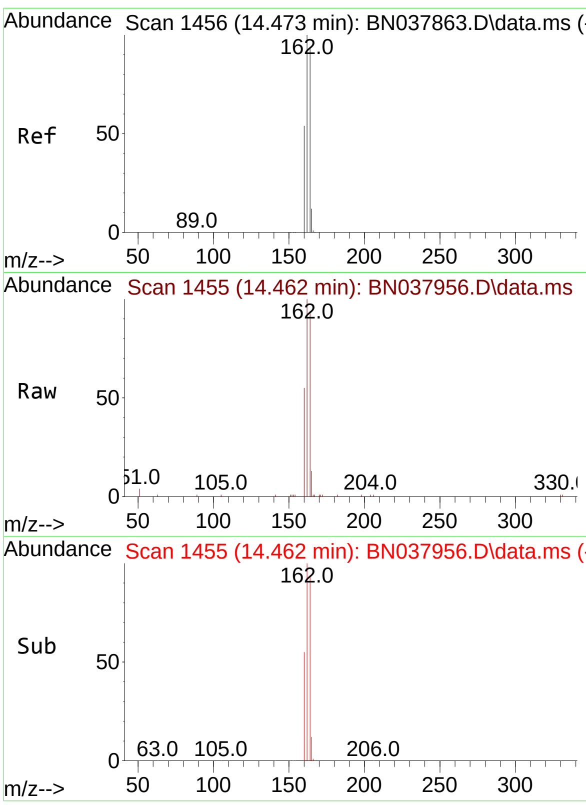


#11
2-Methylnaphthalene-d10
Concen: 0.325 ng
RT: 12.212 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN037956.D
Acq: 30 Sep 2025 21:25

Tgt Ion:152 Resp: 10939

Ion	Ratio	Lower	Upper
152	100		
151	21.9	17.4	26.2

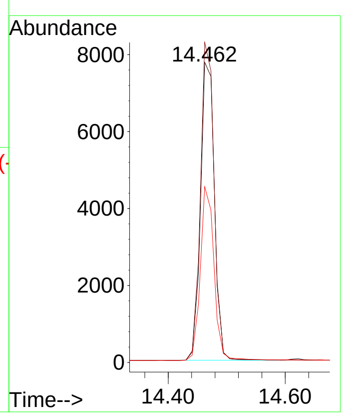




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.462 min Scan# 1455
Delta R.T. -0.011 min
Lab File: BN037956.D
Acq: 30 Sep 2025 21:25

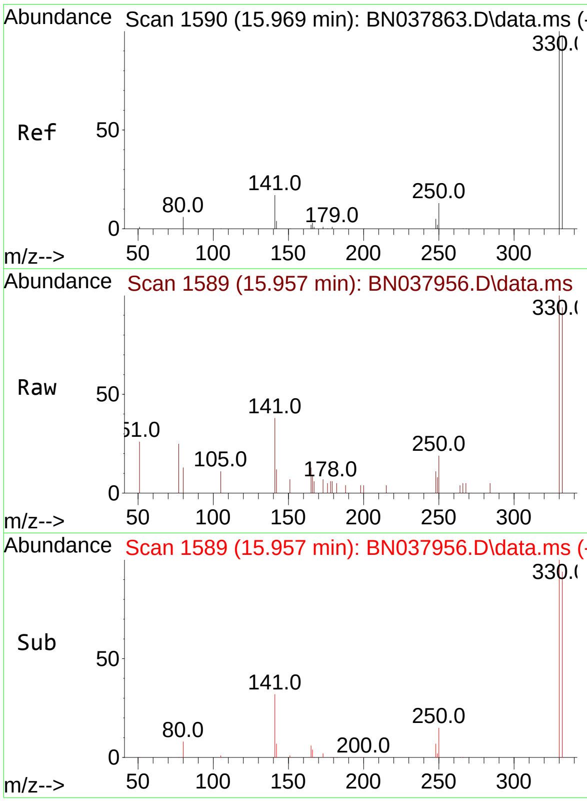
Tgt Ion:164 Resp: 12799

Ion	Ratio	Lower	Upper
164	100		
162	106.6	84.8	127.2
160	58.6	46.1	69.1



Instrument :
BNA_N
ClientSampleId :
RW8-MW01S-20250923

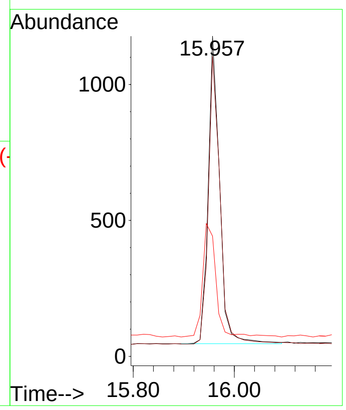
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

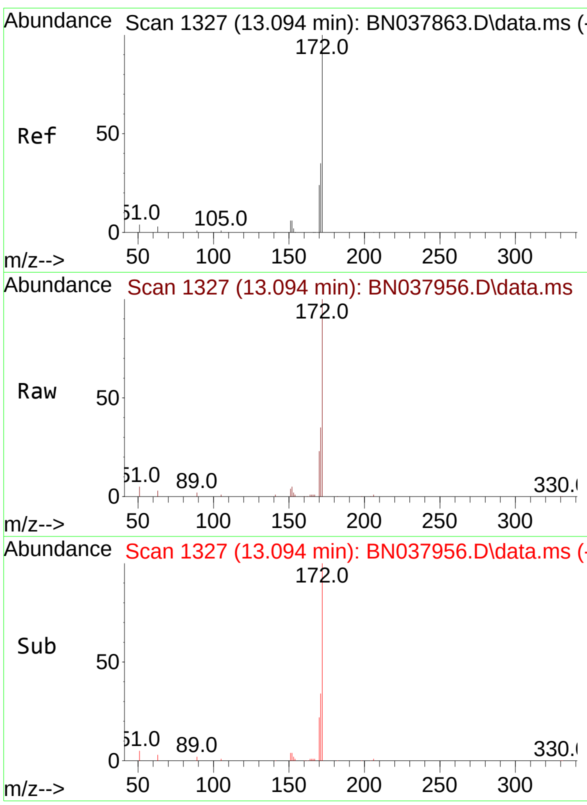


#14
2,4,6-Tribromophenol
Concen: 0.367 ng
RT: 15.957 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037956.D
Acq: 30 Sep 2025 21:25

Tgt Ion:330 Resp: 1783

Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.2	115.8
141	43.2	37.2	55.8

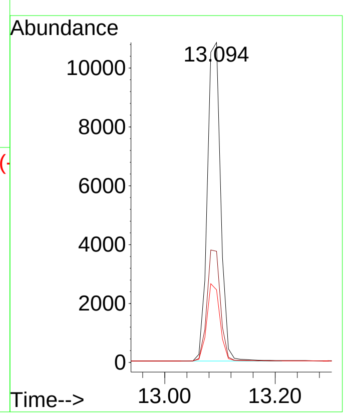




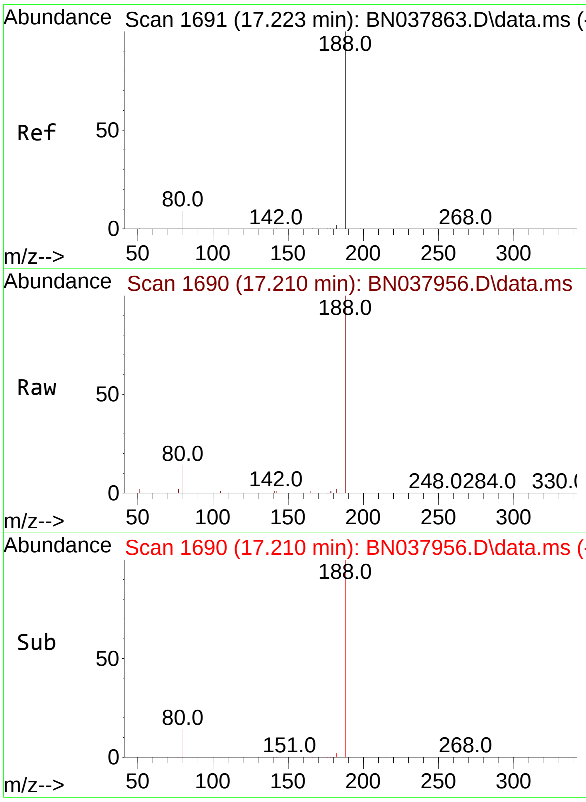
#15
2-Fluorobiphenyl
Concen: 0.349 ng
RT: 13.094 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BN037956.D
Acq: 30 Sep 2025 21:25

Tgt Ion:172 Resp: 18307

Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.6	43.0
170	22.7	19.7	29.5

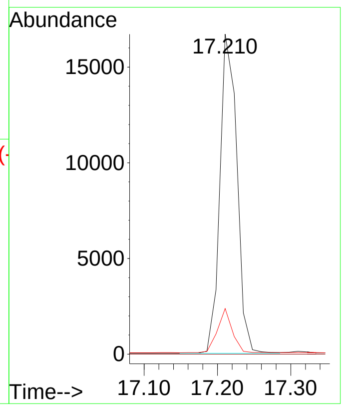


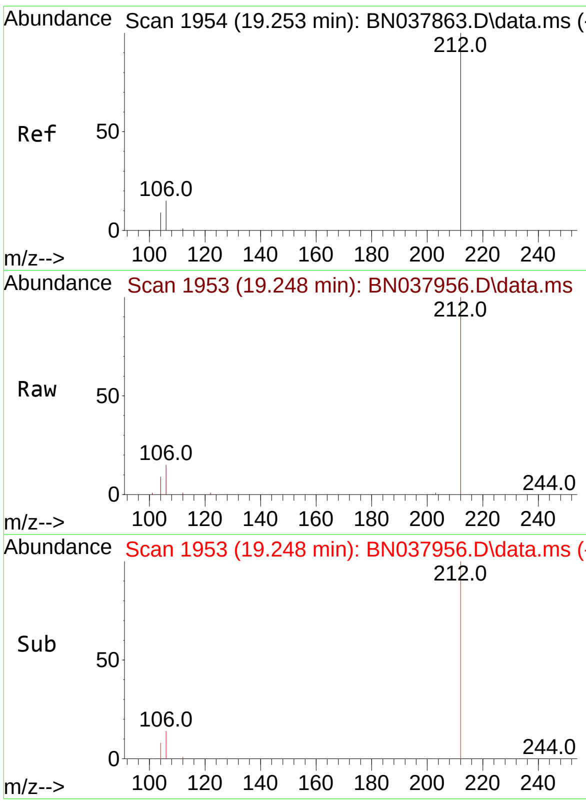
Instrument : BNA_N
ClientSampleId : RW8-MW01S-20250923




```
#19
Phenanthrene-d10
Concen:    0.400 ng
RT:  17.210 min  Scan# 1(
Delta R.T.  -0.013 min
Lab File:   BN037956.D
Acq: 30 Sep 2025  21:25

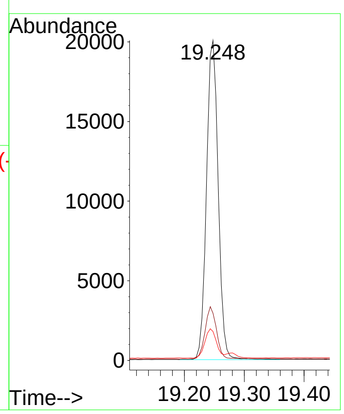
Tgt Ion:188 Resp:   26901
Ion  Ratio  Lower  Upper
188  100
 94    0.0    0.0    0.0
 80   14.2    7.6   11.4#
```





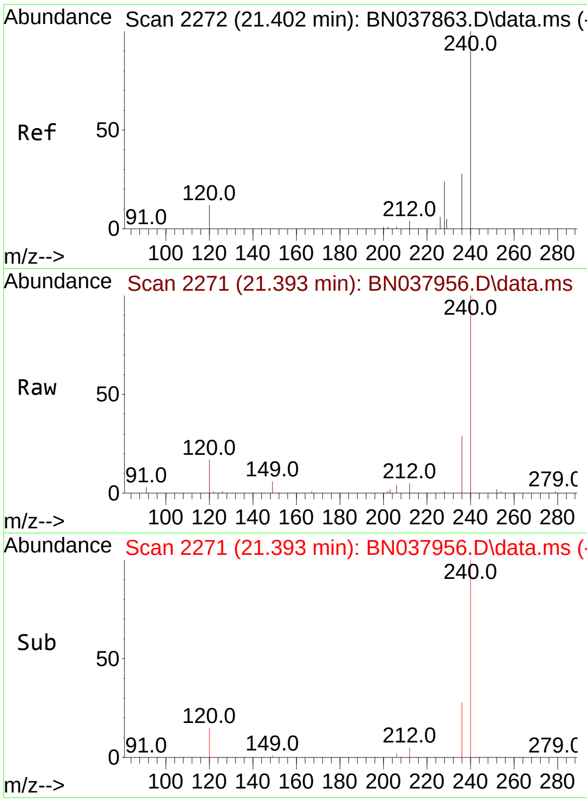

```
#27
Fluoranthene-d10
Concen:    0.402 ng
RT:  19.248 min  Scan# 1953
Delta R.T.  -0.005 min
Lab File:   BN037956.D
Acq: 30 Sep 2025  21:25

Tgt Ion:212 Resp:   27206
Ion  Ratio  Lower  Upper
212  100
106   16.0   12.6   19.0
104    9.1    7.4   11.0
```



Instrument :
BNA_N
ClientSampleId :
RW8-MW01S-20250923

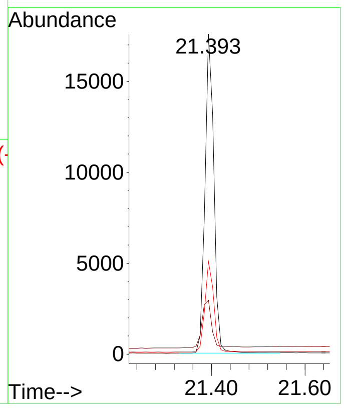
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

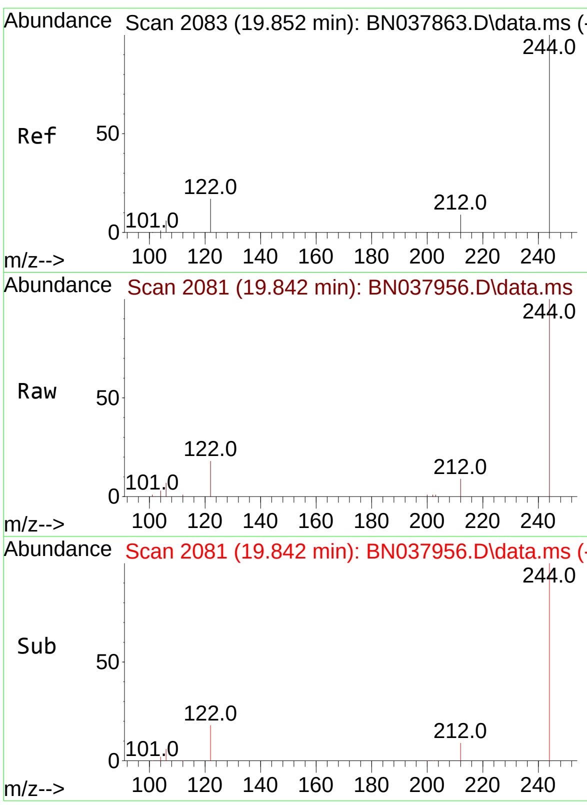


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.393 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037956.D
Acq: 30 Sep 2025 21:25

Tgt Ion:240 Resp: 23284

Ion	Ratio	Lower	Upper
240	100		
120	16.9	11.4	17.2
236	29.0	23.0	34.6

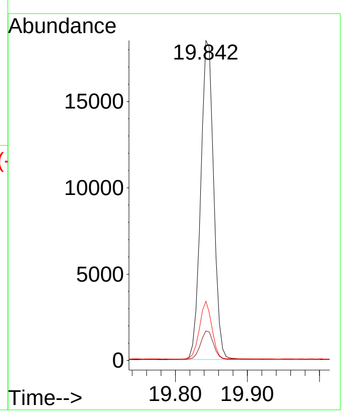




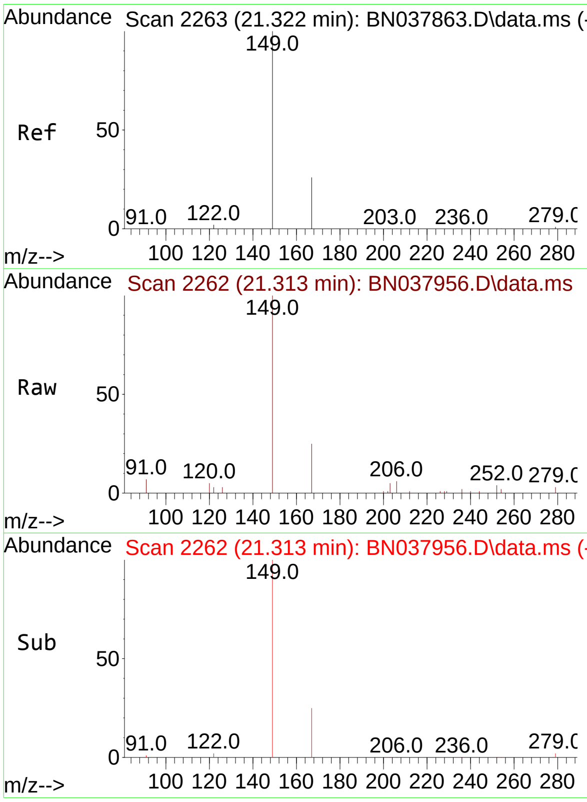
#31
Terphenyl-d14
Concen: 0.499 ng
RT: 19.842 min Scan# 2081
Delta R.T. -0.009 min
Lab File: BN037956.D
Acq: 30 Sep 2025 21:25

Tgt Ion:244 Resp: 23131

Ion	Ratio	Lower	Upper
244	100		
212	9.3	7.6	11.4
122	18.5	13.9	20.9



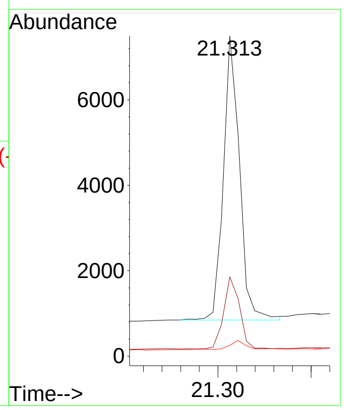
Instrument :
BNA_N
ClientSampleId :
RW8-MW01S-20250923

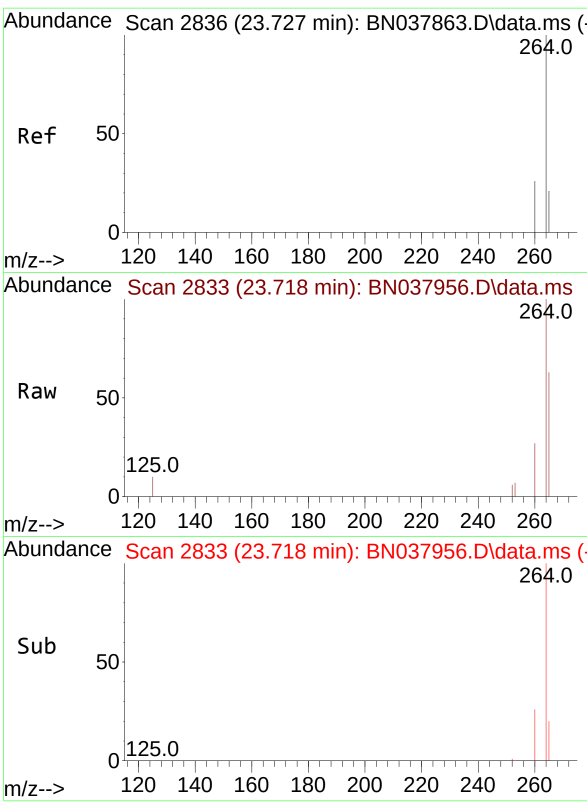


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.247 ng
RT: 21.313 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037956.D
Acq: 30 Sep 2025 21:25

Tgt Ion:149 Resp: 7965

Ion	Ratio	Lower	Upper
149	100		
167	24.9	20.4	30.6
279	3.5	2.4	3.6

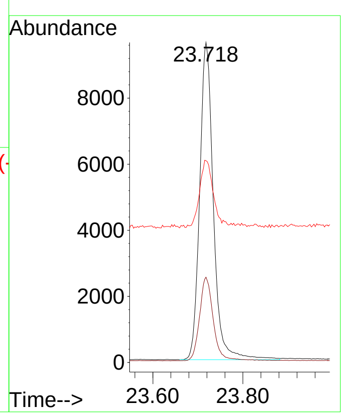




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.718 min Scan# 2833
Delta R.T. -0.009 min
Lab File: BN037956.D
Acq: 30 Sep 2025 21:25

Tgt Ion:264 Resp: 20264

Ion	Ratio	Lower	Upper
264	100		
260	26.6	21.5	32.3
265	63.0	53.8	80.6



Alliance TECHNICAL GROUP

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

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

Report of Analysis

Client:	AECOM Technical Services, Inc.			Date Collected:	09/23/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258			Date Received:	09/24/25
Client Sample ID:	TT172S1-20250923			SDG No.:	Q3193
Lab Sample ID:	Q3193-11			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
BN037957.D	1	09/29/25 08:43	09/30/25 22:01	PB169886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.20		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.28		30 - 150		70%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.39		30 - 150		98%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.30		55 - 111		74%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.29		53 - 106		73%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.43		58 - 132		106%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7100	7.811				
1146-65-2	Naphthalene-d8	20500	10.616				
15067-26-2	Acenaphthene-d10	11000	14.462				
1517-22-2	Phenanthrene-d10	23400	17.211				
1719-03-5	Chrysene-d12	19800	21.393				
1520-96-3	Perylene-d12	17500	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\BN093025\
Data File : BN037957.D
Acq On : 30 Sep 2025 22:01
Operator : RC/JU
Sample : Q3193-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
TT172S1-20250923

Quant Time: Oct 01 01:24:10 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	7098	0.400	ng	-0.01
7) Naphthalene-d8	10.616	136	20498	0.400	ng	-0.01
13) Acenaphthene-d10	14.462	164	10965	0.400	ng	-0.01
19) Phenanthrene-d10	17.211	188	23447	0.400	ng	#-0.01
29) Chrysene-d12	21.393	240	19827	0.400	ng	0.00
35) Perylene-d12	23.718	264	17505	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.384	112	2175	0.134	ng	0.00
5) Phenol-d6	6.973	99	1793	0.084	ng	0.00
8) Nitrobenzene-d5	8.961	82	4647	0.297	ng	-0.01
11) 2-Methylnaphthalene-d10	12.212	152	7963	0.280	ng	0.00
14) 2,4,6-Tribromophenol	15.957	330	1391	0.335	ng	-0.01
15) 2-Fluorobiphenyl	13.094	172	13104	0.292	ng	0.00
27) Fluoranthene-d10	19.248	212	23071	0.391	ng	0.00
31) Terphenyl-d14	19.842	244	16794	0.425	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.290	88	8294	1.151	ng	98
34) Bis(2-ethylhexyl)phtha...	21.313	149	4528	0.165	ng	100

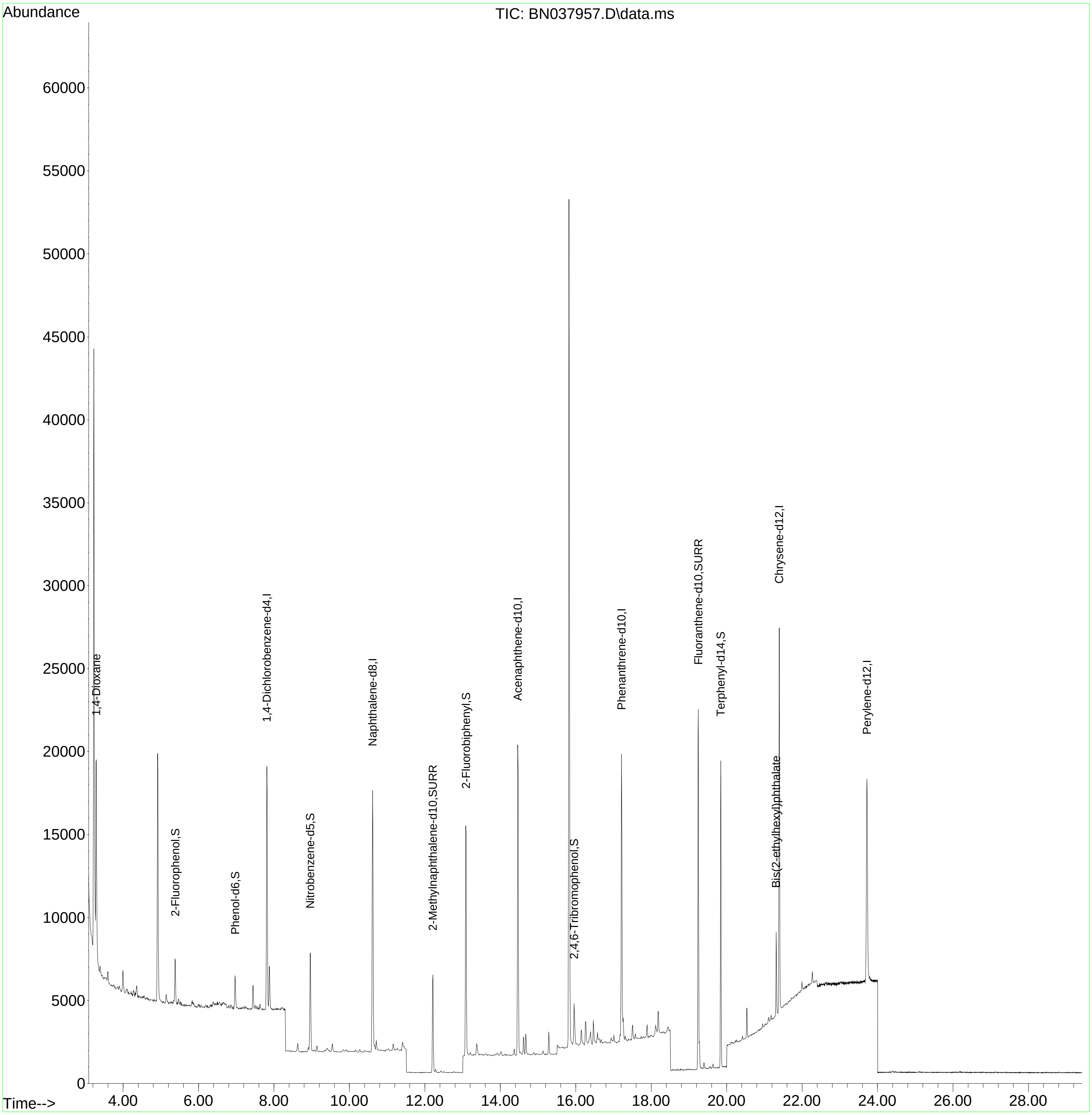
(#) = qualifier out of range (m) = manual integration (+) = signals summed

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

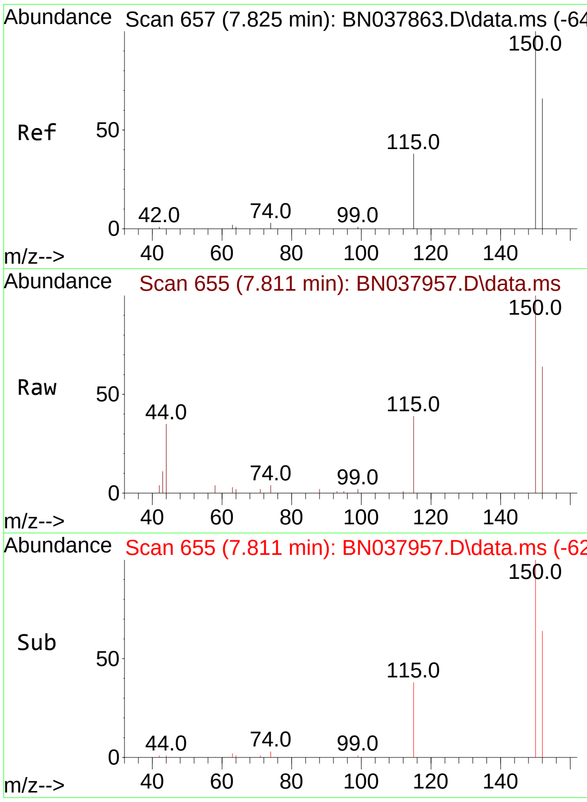
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN093025\
Data File : BN037957.D
Acq On : 30 Sep 2025 22:01
Operator : RC/JU
Sample : Q3193-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
TT172S1-20250923

Quant Time: Oct 01 01:24:10 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



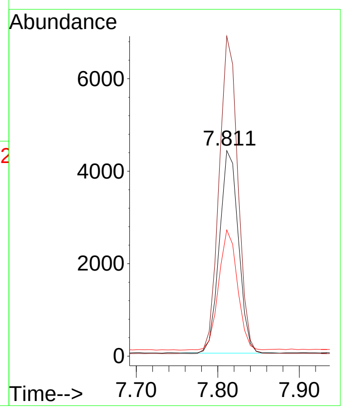
Instrument :
BNA_N
ClientSampleId :
TT172S1-20250923

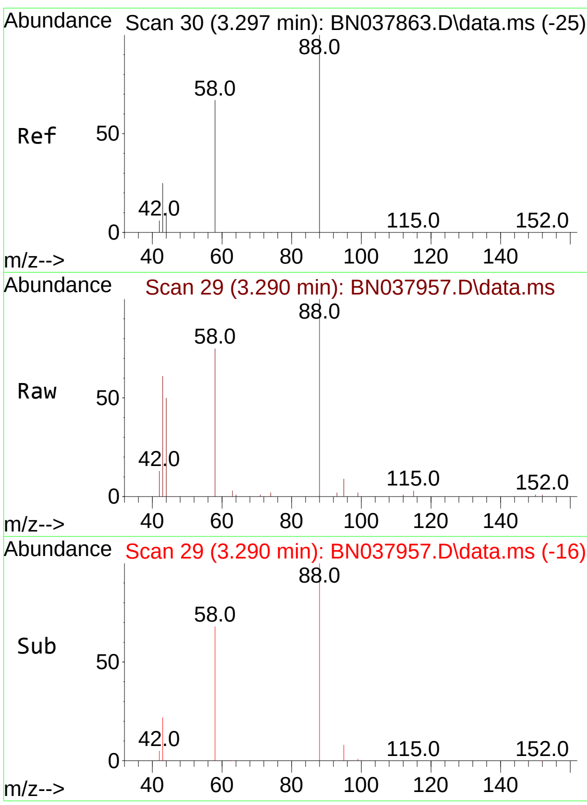


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.811 min Scan# 6
Delta R.T. -0.014 min
Lab File: BN037957.D
Acq: 30 Sep 2025 22:01

Tgt Ion:152 Resp: 7098

Ion	Ratio	Lower	Upper
152	100		
150	155.6	121.0	181.4
115	61.4	47.4	71.0

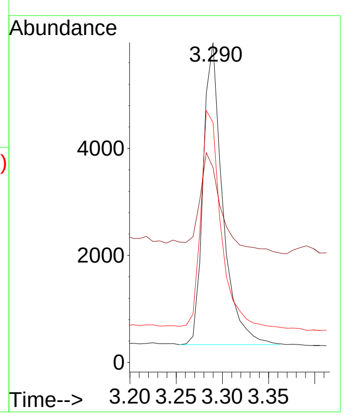




#2
1,4-Dioxane
Concen: 1.151 ng
RT: 3.290 min Scan# 29
Delta R.T. -0.007 min
Lab File: BN037957.D
Acq: 30 Sep 2025 22:01

Tgt Ion: 88 Resp: 8294

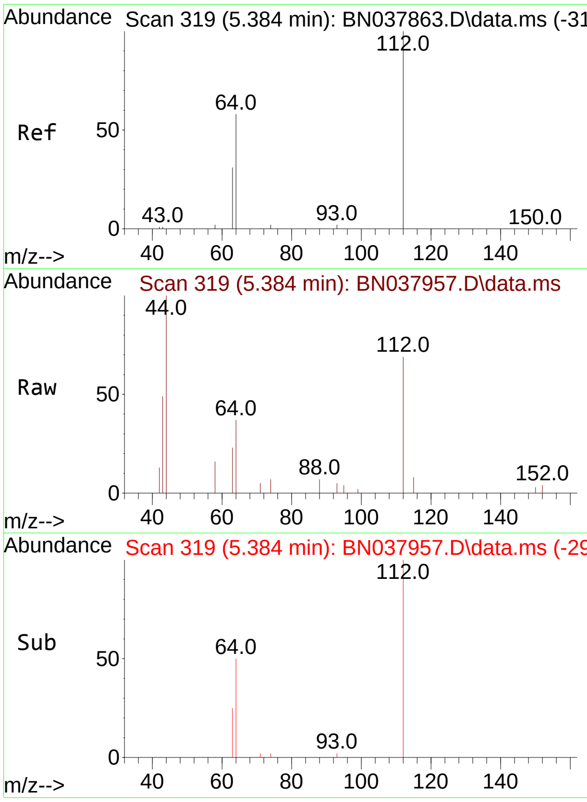
Ion	Ratio	Lower	Upper
88	100		
43	36.4	26.6	39.8
58	73.4	58.9	88.3



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

Instrument :
BNA_N
ClientSampleId :
TT172S1-20250923

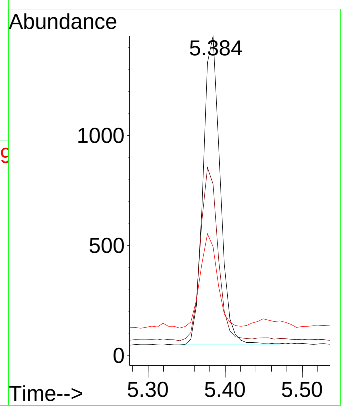
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

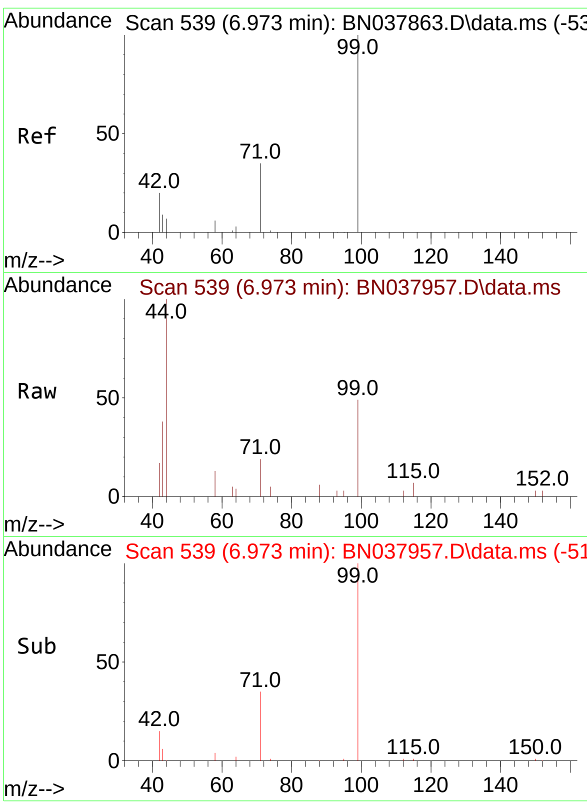


#4
2-Fluorophenol
Concen: 0.134 ng
RT: 5.384 min Scan# 3
Delta R.T. -0.000 min
Lab File: BN037957.D
Acq: 30 Sep 2025 22:01

Tgt Ion:112 Resp: 2175

Ion	Ratio	Lower	Upper
112	100		
64	57.1	44.6	66.8
63	31.1	24.9	37.3

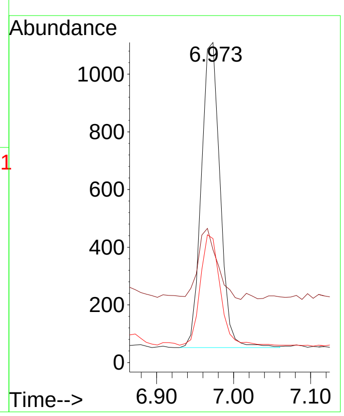




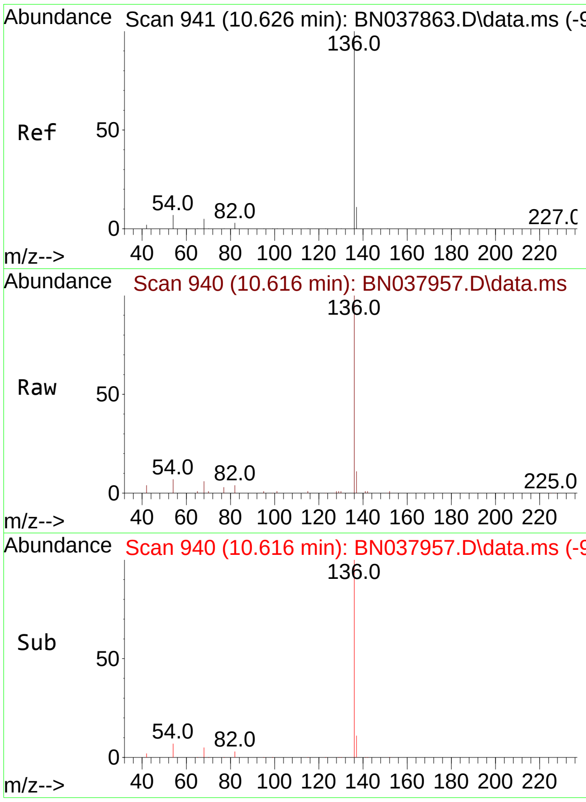
#5
Phenol-d6
Concen: 0.084 ng
RT: 6.973 min Scan# 539
Delta R.T. -0.000 min
Lab File: BN037957.D
Acq: 30 Sep 2025 22:01

Tgt Ion: 99 Resp: 1793

Ion	Ratio	Lower	Upper
99	100		
42	23.8	17.2	25.8
71	38.1	27.3	40.9



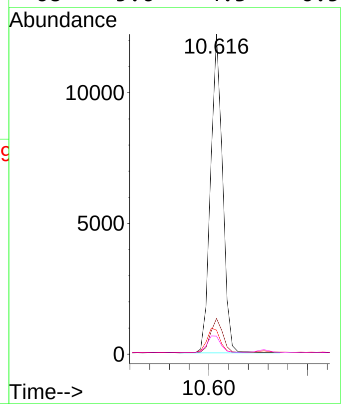
Instrument :
BNA_N
ClientSampleId :
TT172S1-20250923

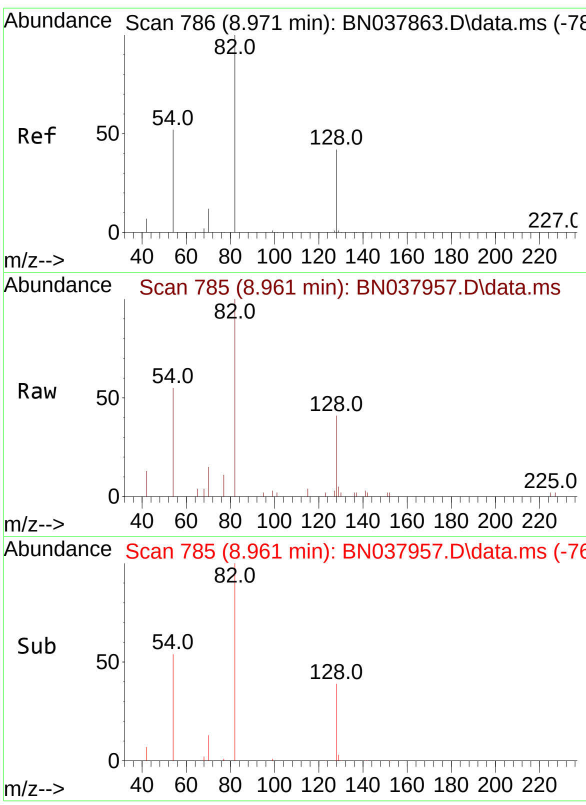


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.616 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037957.D
Acq: 30 Sep 2025 22:01

Tgt Ion:136 Resp: 20498

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	7.5	5.8	8.8
68	5.6	4.3	6.5

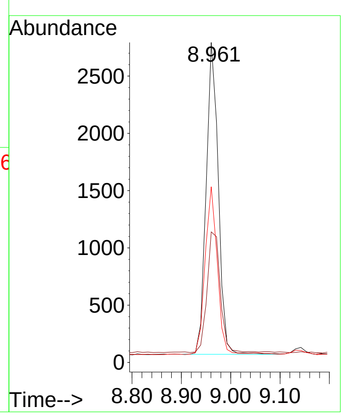




#8
Nitrobenzene-d5
Concen: 0.297 ng
RT: 8.961 min Scan# 785
Delta R.T. -0.011 min
Lab File: BN037957.D
Acq: 30 Sep 2025 22:01

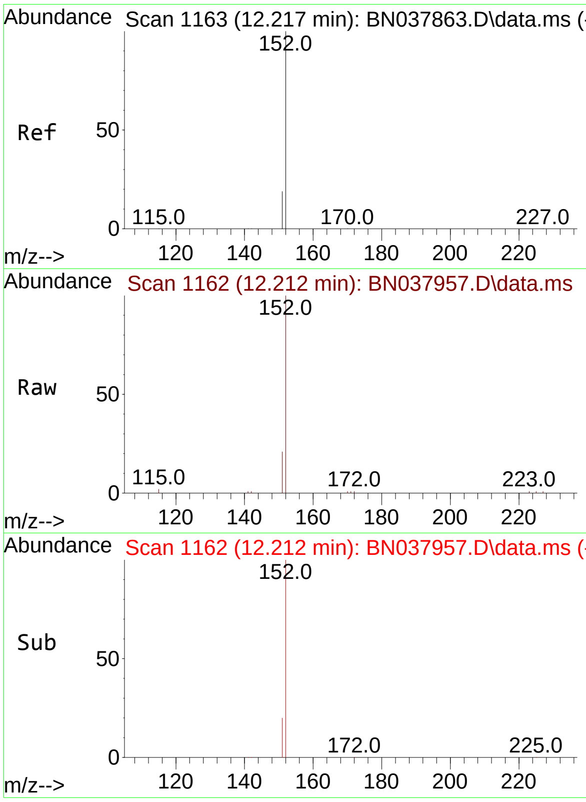
Tgt Ion: 82 Resp: 4647

Ion	Ratio	Lower	Upper
82	100		
128	40.8	34.8	52.2
54	54.9	42.2	63.2



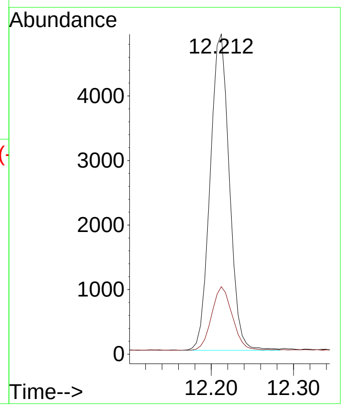
Instrument :
BNA_N
ClientSampleId :
TT172S1-20250923

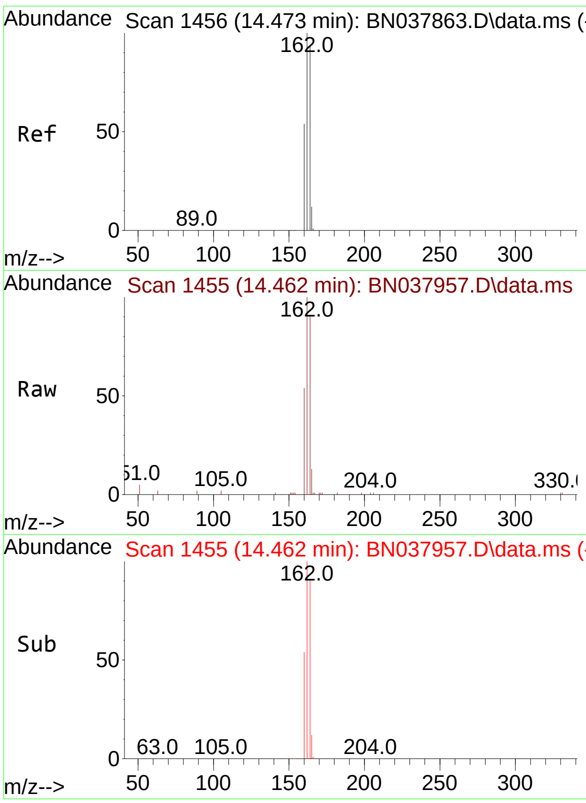
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17



#11
2-Methylnaphthalene-d10
Concen: 0.280 ng
RT: 12.212 min   Scan# 1
Delta R.T.   -0.005 min
Lab File: BN037957.D
Acq: 30 Sep 2025   22:01

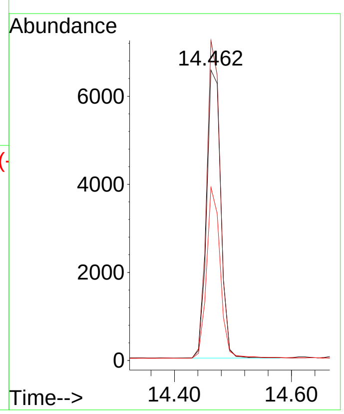
Tgt Ion:152	Resp:	7963	
Ion	Ratio	Lower	Upper
152	100		
151	21.7	17.4	26.2





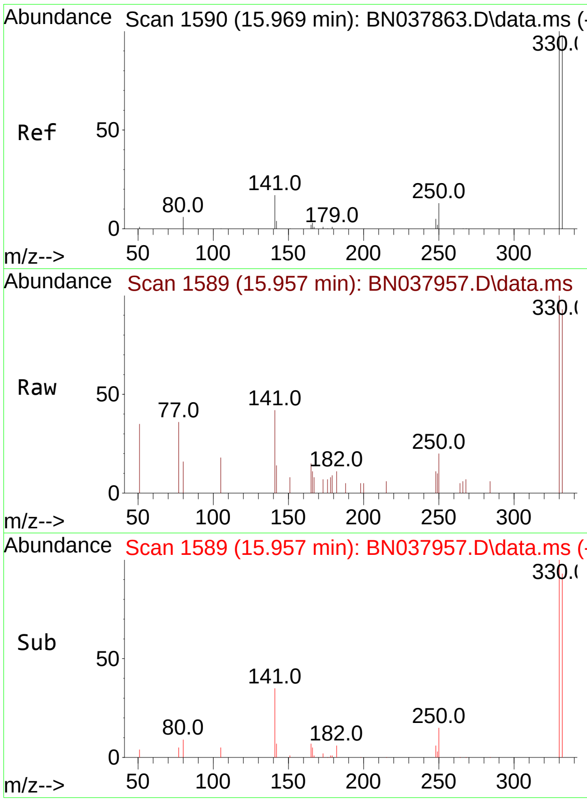
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.462 min   Scan# 1455
Delta R.T.   -0.011 min
Lab File: BN037957.D
Acq: 30 Sep 2025   22:01

Tgt Ion:164	Resp:	10965	
Ion	Ratio	Lower	Upper
164	100		
162	110.2	84.8	127.2
160	59.6	46.1	69.1



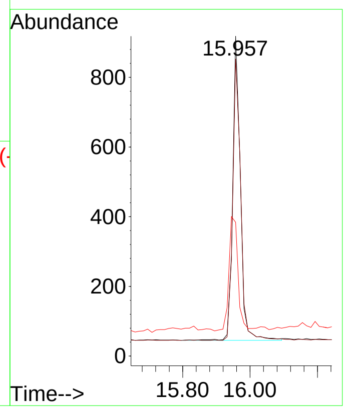
Instrument : BNA_N
ClientSampleId : TT172S1-20250923

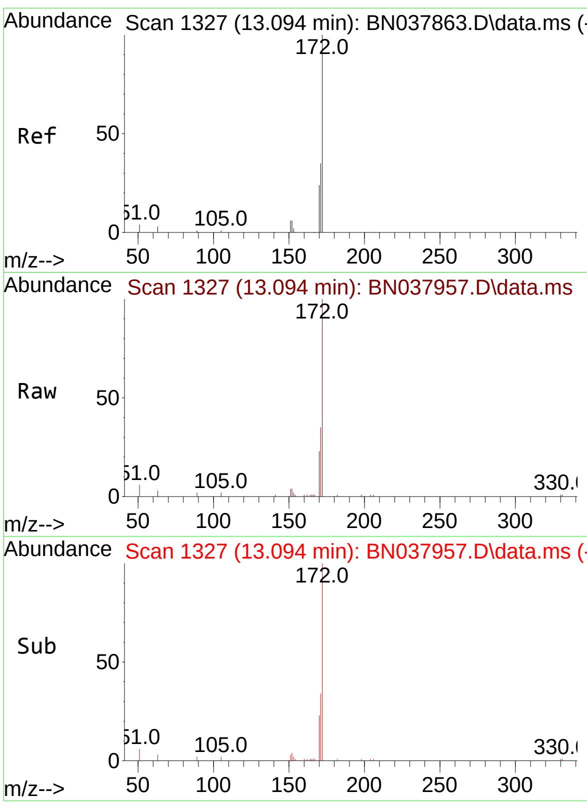
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17




```
#14
2,4,6-Tribromophenol
Concen:    0.335 ng
RT:  15.957 min  Scan# 1
Delta R.T.   -0.012 min
Lab File:    BN037957.D
Acq: 30 Sep 2025  22:01

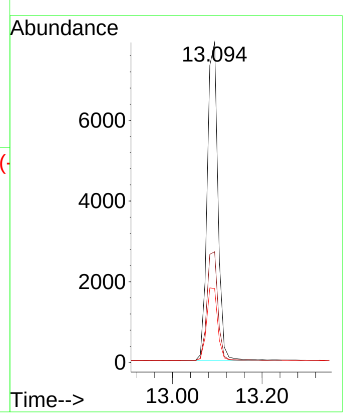
Tgt Ion:330 Resp:    1391
Ion  Ratio  Lower  Upper
330  100
332   95.9   77.2  115.8
141   43.9   37.2   55.8
```



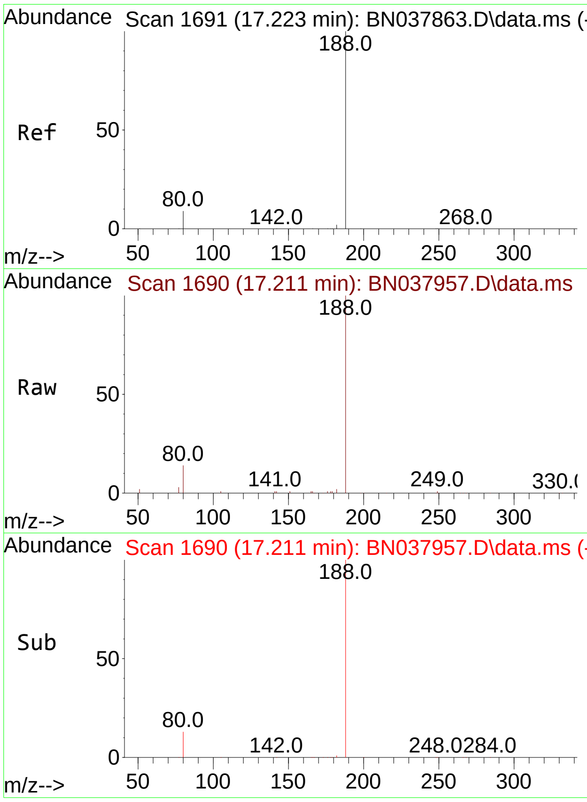



```
#15
2-Fluorobiphenyl
Concen:    0.292 ng
RT:  13.094 min  Scan# 1327
Delta R.T.   -0.000 min
Lab File:    BN037957.D
Acq: 30 Sep 2025  22:01

Tgt Ion:172 Resp:   13104
Ion  Ratio  Lower  Upper
172  100
171   34.6   28.6   43.0
170   23.1   19.7   29.5
```



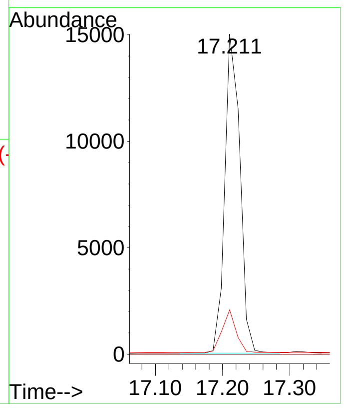
Instrument :
BNA_N
ClientSampleId :
TT172S1-20250923

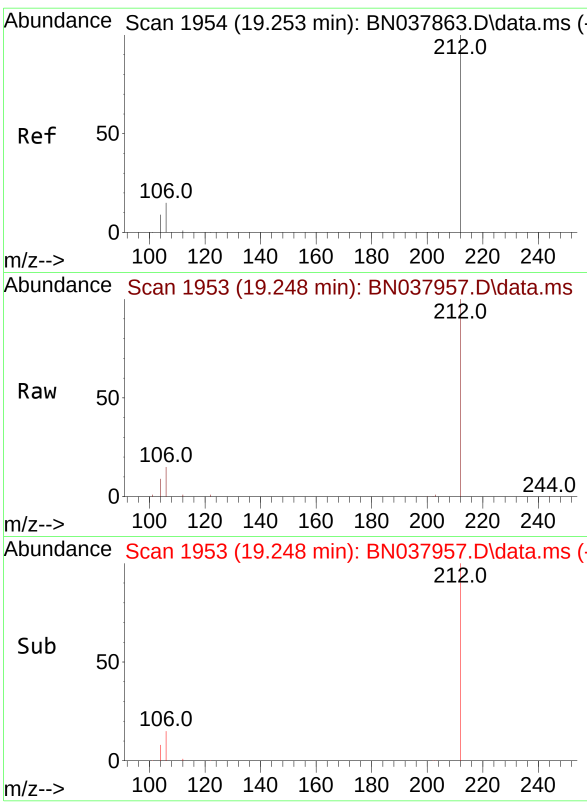


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.211 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037957.D
Acq: 30 Sep 2025 22:01

Tgt Ion:188 Resp: 23447

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	13.8	7.6	11.4#

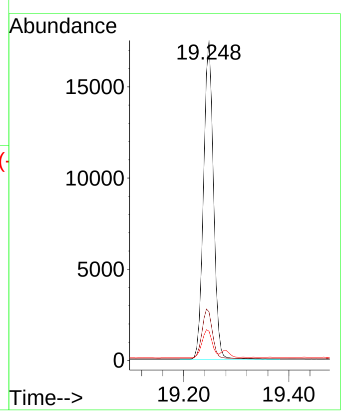




#27
Fluoranthene-d10
Concen: 0.391 ng
RT: 19.248 min Scan# 1953
Delta R.T. -0.005 min
Lab File: BN037957.D
Acq: 30 Sep 2025 22:01

Tgt Ion:212 Resp: 23071

Ion	Ratio	Lower	Upper
212	100		
106	16.2	12.6	19.0
104	9.2	7.4	11.0



Instrument : BNA_N
ClientSampleId : TT172S1-20250923

1
2
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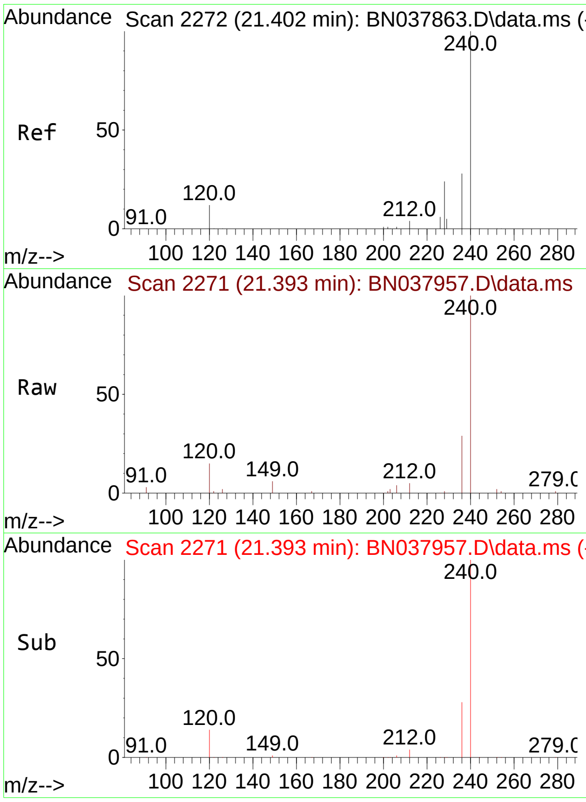
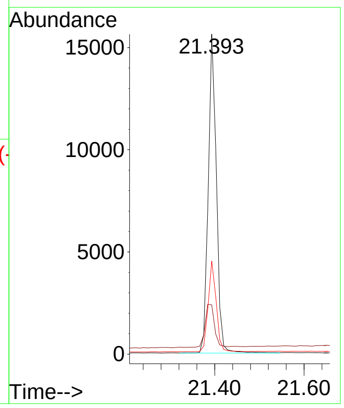
17

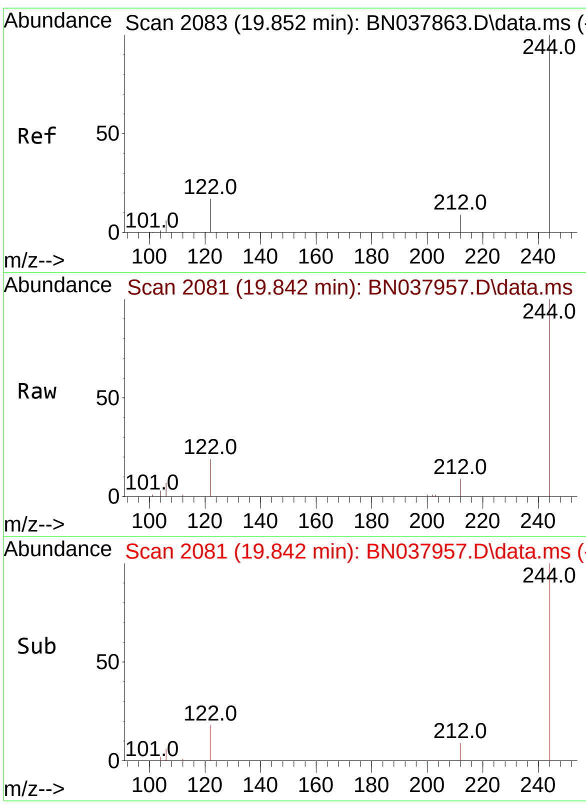


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.393 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037957.D
Acq: 30 Sep 2025 22:01

Tgt Ion:240 Resp: 19827

Ion	Ratio	Lower	Upper
240	100		
120	15.4	11.4	17.2
236	29.1	23.0	34.6

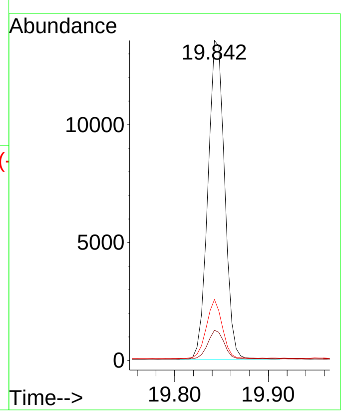




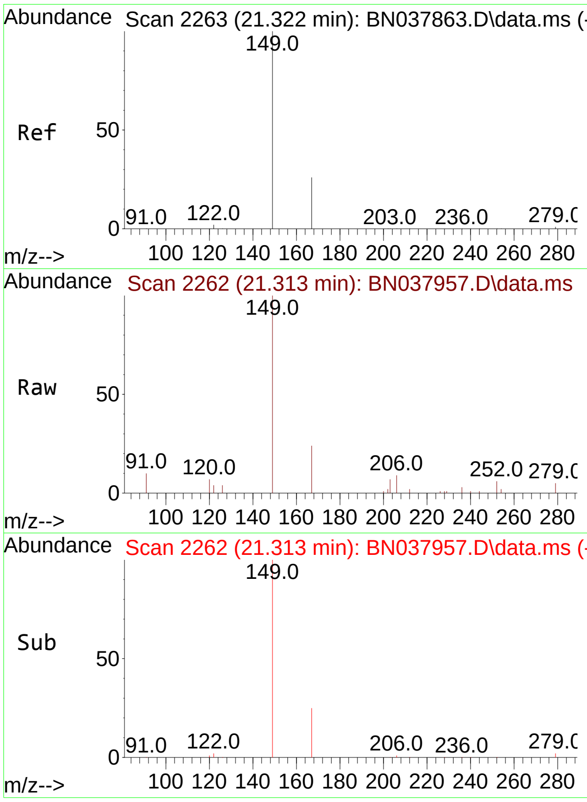
#31
Terphenyl-d14
Concen: 0.425 ng
RT: 19.842 min Scan# 2081
Delta R.T. -0.009 min
Lab File: BN037957.D
Acq: 30 Sep 2025 22:01

Tgt Ion:244 Resp: 16794

Ion	Ratio	Lower	Upper
244	100		
212	9.4	7.6	11.4
122	19.0	13.9	20.9



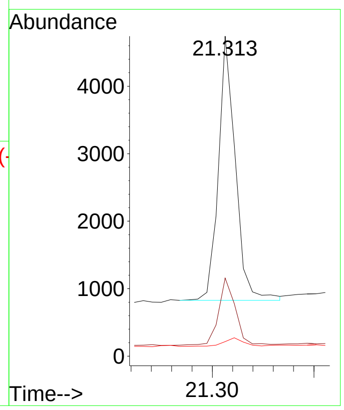
Instrument : BNA_N
ClientSampleId : TT172S1-20250923

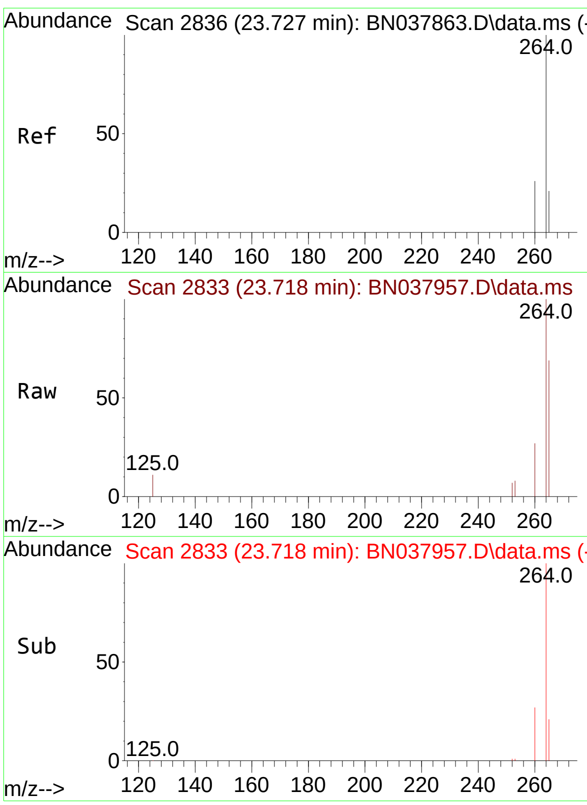


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.165 ng
RT: 21.313 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037957.D
Acq: 30 Sep 2025 22:01

Tgt Ion:149 Resp: 4528

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

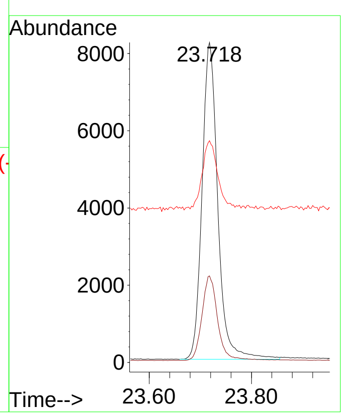




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.718 min Scan# 2833
Delta R.T. -0.009 min
Lab File: BN037957.D
Acq: 30 Sep 2025 22:01

Tgt Ion:264 Resp: 17505

Ion	Ratio	Lower	Upper
264	100		
260	27.1	21.5	32.3
265	69.3	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:	09/23/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	DUP12-20250923	SDG No.:	Q3193
Lab Sample ID:	Q3193-12	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
BN037963.D	1	09/29/25 08:43	10/01/25 02:23	PB169886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.14	J	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.32		30 - 150		79%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.42		30 - 150		105%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.34		55 - 111		86%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.34		53 - 106		84%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.50		58 - 132		124%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7310	7.811				
1146-65-2	Naphthalene-d8	21000	10.616				
15067-26-2	Acenaphthene-d10	11000	14.462				
1517-22-2	Phenanthrene-d10	22000	17.211				
1719-03-5	Chrysene-d12	19000	21.393				
1520-96-3	Perylene-d12	15000	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\BN093025\
Data File : BN037963.D
Acq On : 01 Oct 2025 02:23
Operator : RC/JU
Sample : Q3193-12
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DUP12-20250923

Quant Time: Oct 01 04:26:04 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

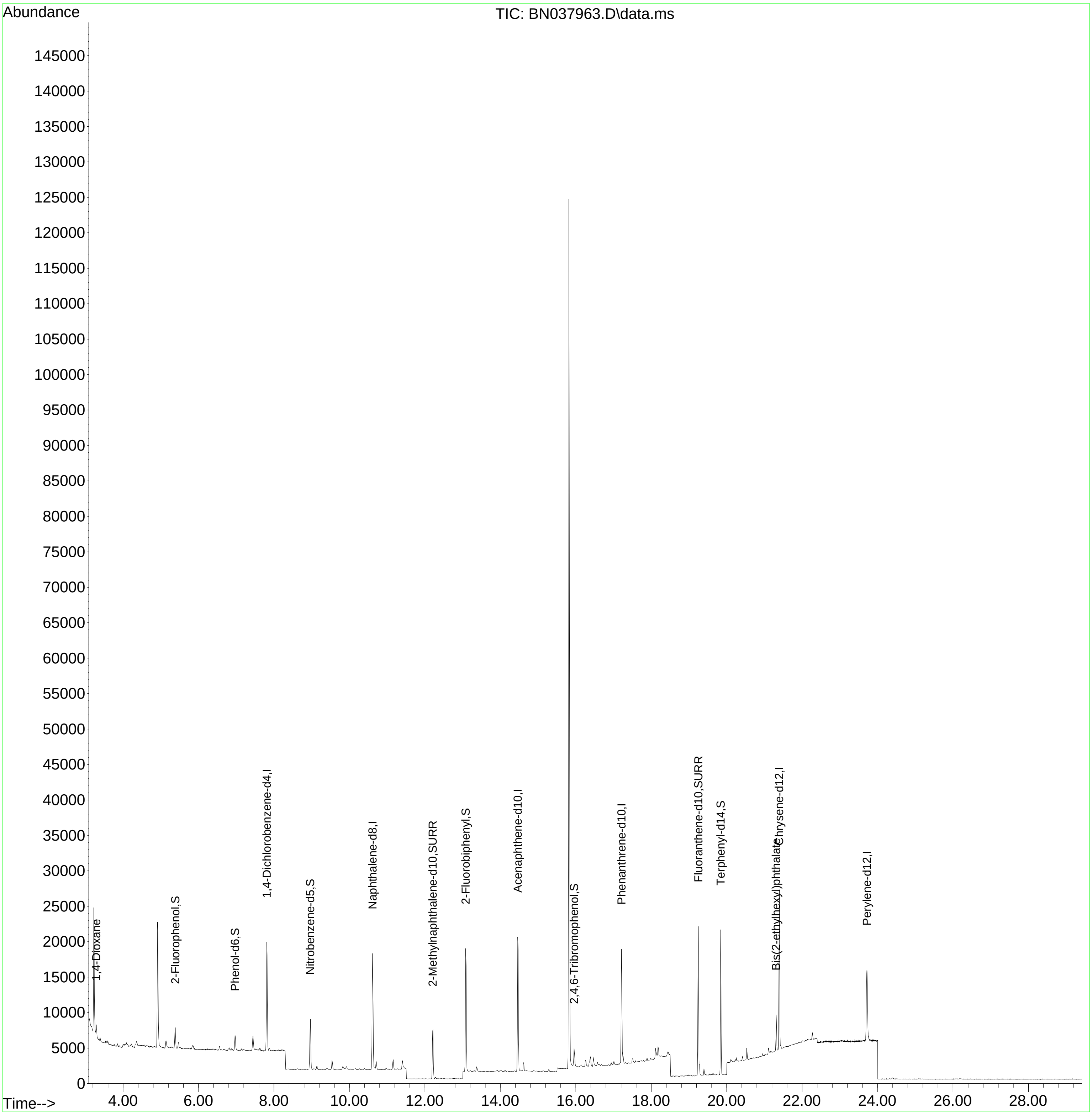
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.811	152	7310	0.400	ng	-0.01
7) Naphthalene-d8	10.616	136	20987	0.400	ng	-0.01
13) Acenaphthene-d10	14.462	164	11025	0.400	ng	-0.01
19) Phenanthrene-d10	17.211	188	21998	0.400	ng	#-0.01
29) Chrysene-d12	21.393	240	18988	0.400	ng	0.00
35) Perylene-d12	23.718	264	14992	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.384	112	2438	0.146	ng	0.00
5) Phenol-d6	6.966	99	1963	0.090	ng	0.00
8) Nitrobenzene-d5	8.961	82	5482	0.342	ng	-0.01
11) 2-Methylnaphthalene-d10	12.207	152	9258	0.318	ng	-0.01
14) 2,4,6-Tribromophenol	15.957	330	1408	0.337	ng	-0.01
15) 2-Fluorobiphenyl	13.083	172	15199	0.337	ng	-0.01
27) Fluoranthene-d10	19.248	212	23352	0.422	ng	0.00
31) Terphenyl-d14	19.843	244	18724	0.495	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.290	88	1029	0.139	ng	# 75
34) Bis(2-ethylhexyl)phtha...	21.313	149	5006	0.191	ng	# 99

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

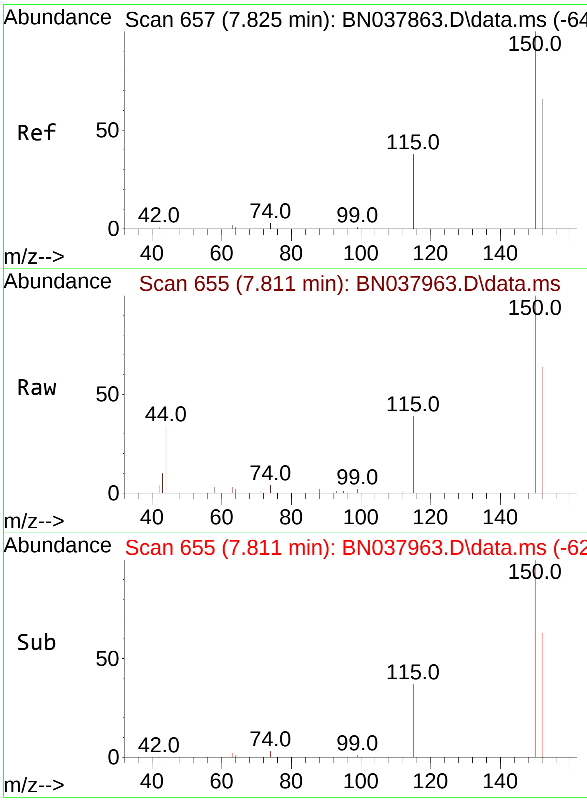
```
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN093025\
Data File : BN037963.D
Acq On    : 01 Oct 2025  02:23
Operator  : RC/JU
Sample    : Q3193-12
Misc      :
ALS Vial  : 20   Sample Multiplier: 1

Quant Time: Oct 01 04:26:04 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
```

Instrument :
BNA_N
ClientSampleId :
DUP12-20250923



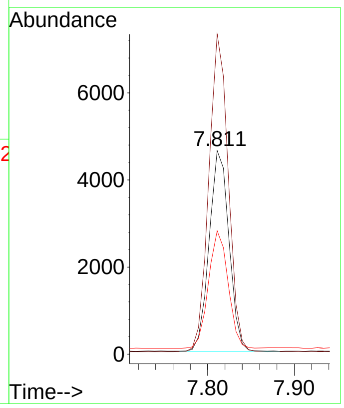
Instrument :
BNA_N
ClientSampleId :
DUP12-20250923

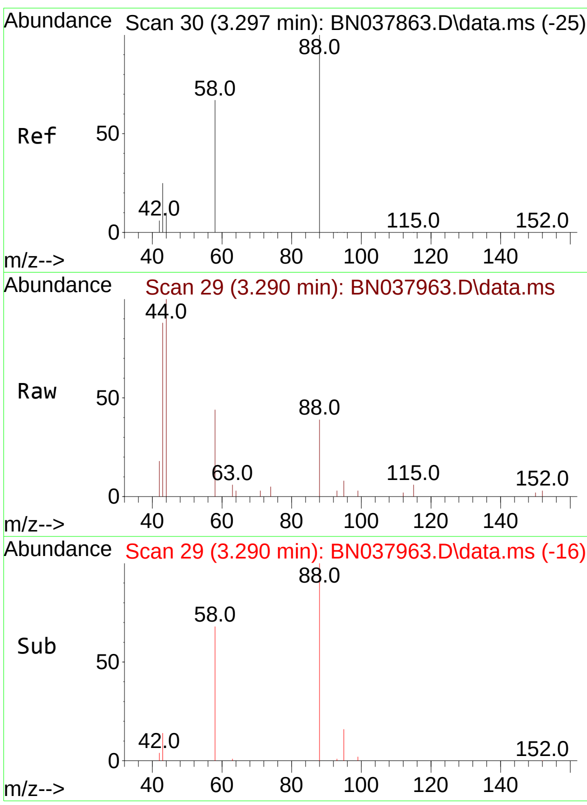


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.811 min Scan# 6
Delta R.T. -0.014 min
Lab File: BN037963.D
Acq: 01 Oct 2025 02:23

Tgt Ion:152 Resp: 7310

Ion	Ratio	Lower	Upper
152	100		
150	157.2	121.0	181.4
115	60.7	47.4	71.0

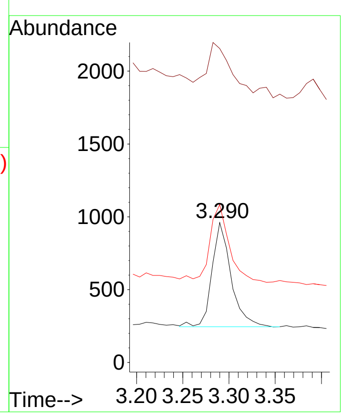




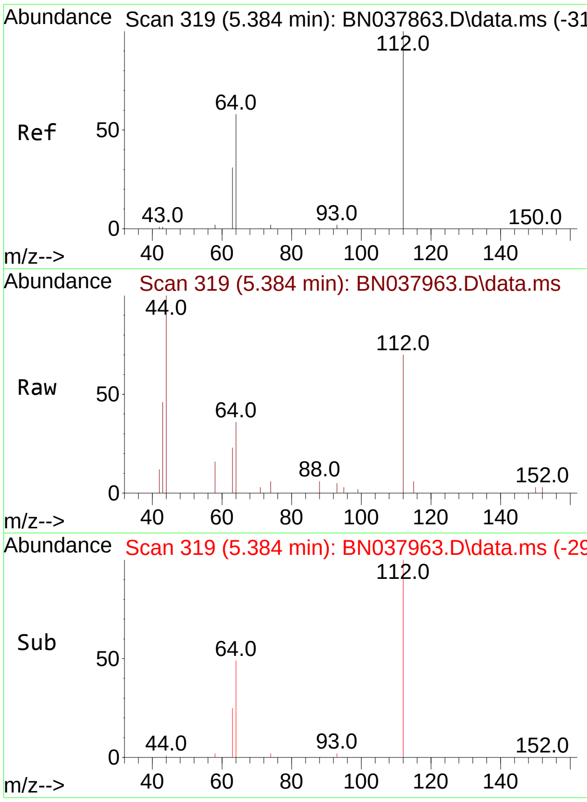
#2
1,4-Dioxane
Concen: 0.139 ng
RT: 3.290 min Scan# 29
Delta R.T. -0.007 min
Lab File: BN037963.D
Acq: 01 Oct 2025 02:23

Tgt Ion: 88 Resp: 1029

Ion	Ratio	Lower	Upper
88	100		
43	77.6	26.6	39.8#
58	74.6	58.9	88.3

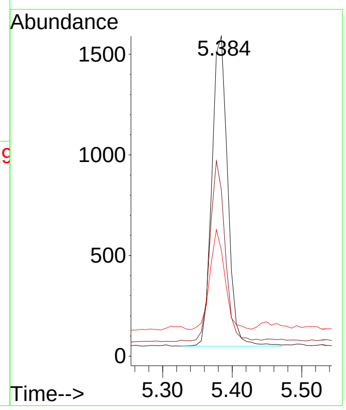


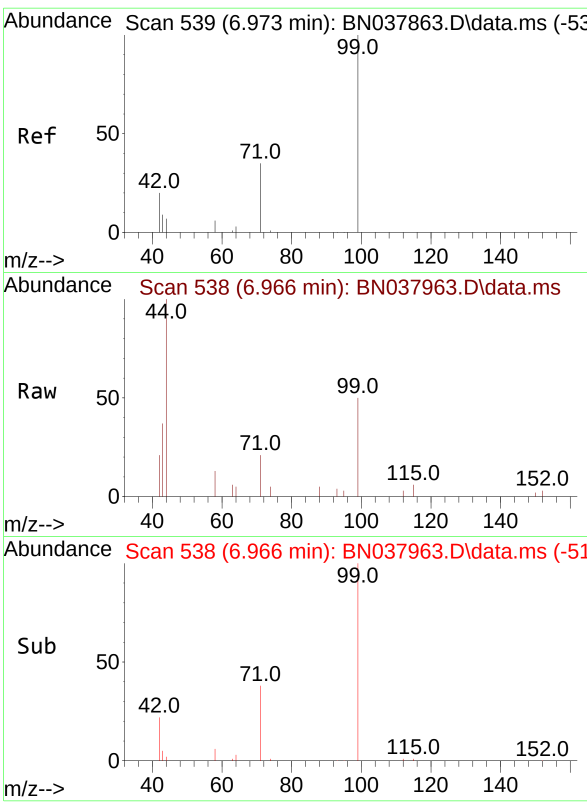
Instrument : BNA_N
ClientSampleId : DUP12-20250923




```
#4
2-Fluorophenol
Concen:    0.146 ng
RT:   5.384 min  Scan# 3
Delta R.T.  -0.000 min
Lab File:   BN037963.D
Acq: 01 Oct 2025  02:23

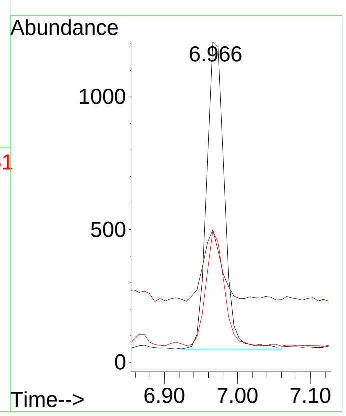
Tgt Ion:112 Resp:    2438
Ion  Ratio   Lower   Upper
112  100
 64   55.8    44.6    66.8
 63   30.3    24.9    37.3
```



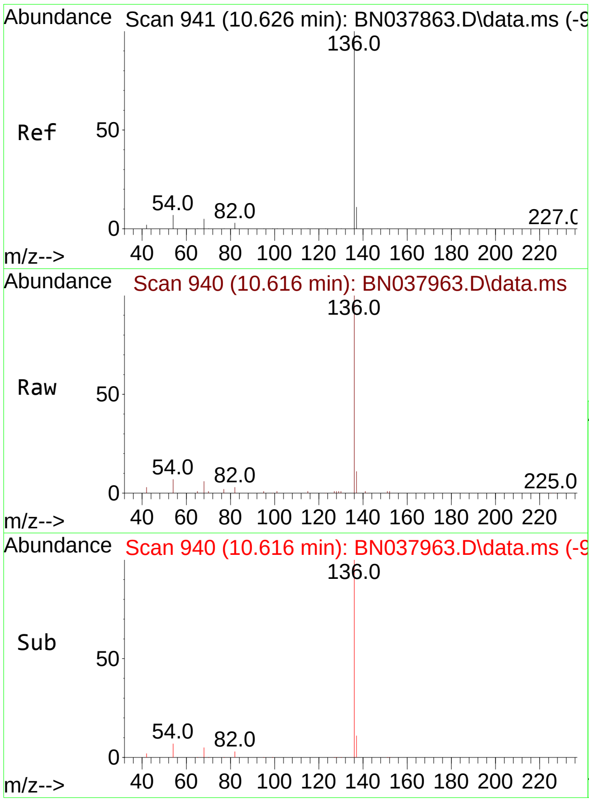



```
#5
Phenol-d6
Concen:    0.090 ng
RT:   6.966 min  Scan# 538
Delta R.T.  -0.007 min
Lab File:   BN037963.D
Acq: 01 Oct 2025  02:23

Tgt Ion: 99 Resp:    1963
Ion  Ratio   Lower   Upper
 99  100
 42   23.5    17.2    25.8
 71   37.8    27.3    40.9
```



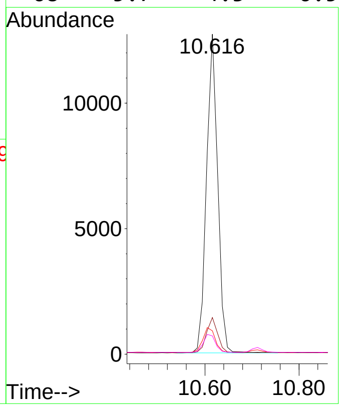
Instrument : BNA_N
ClientSampleId : DUP12-20250923

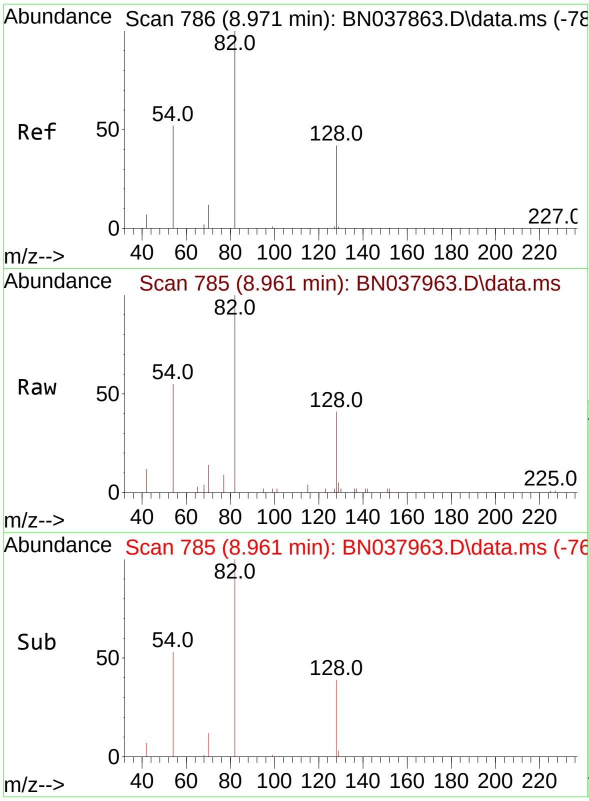


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.616 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037963.D
Acq: 01 Oct 2025 02:23

Tgt Ion:136 Resp: 20987

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.0	13.4
54	7.3	5.8	8.8
68	5.7	4.3	6.5

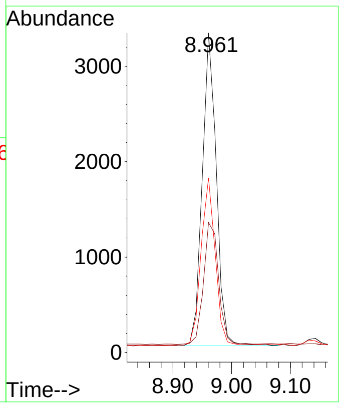




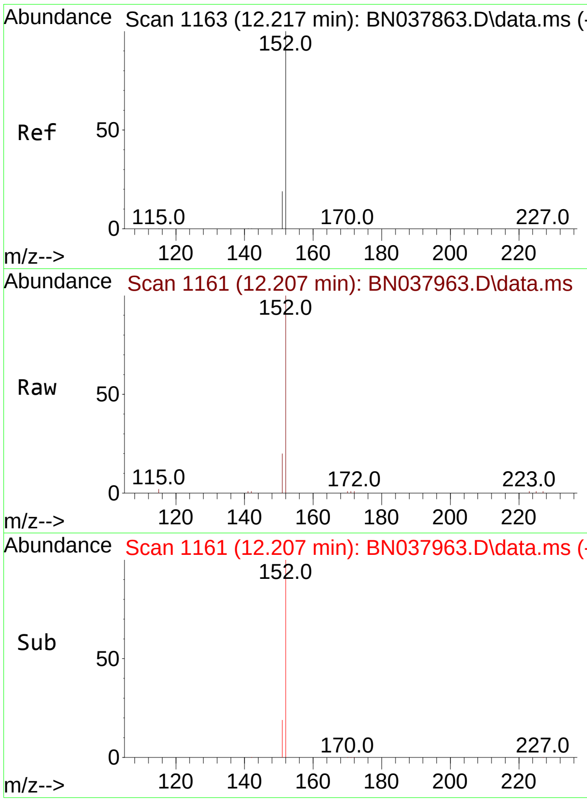
#8
Nitrobenzene-d5
Concen: 0.342 ng
RT: 8.961 min Scan# 785
Delta R.T. -0.011 min
Lab File: BN037963.D
Acq: 01 Oct 2025 02:23

Tgt Ion: 82 Resp: 5482

Ion	Ratio	Lower	Upper
82	100		
128	40.7	34.8	52.2
54	54.6	42.2	63.2



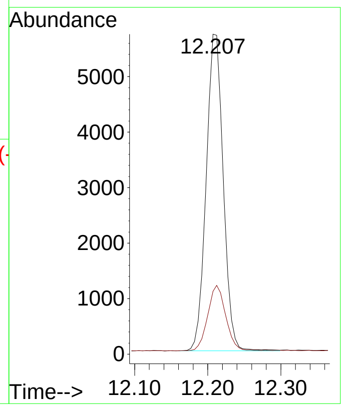
Instrument :
BNA_N
ClientSampleId :
DUP12-20250923

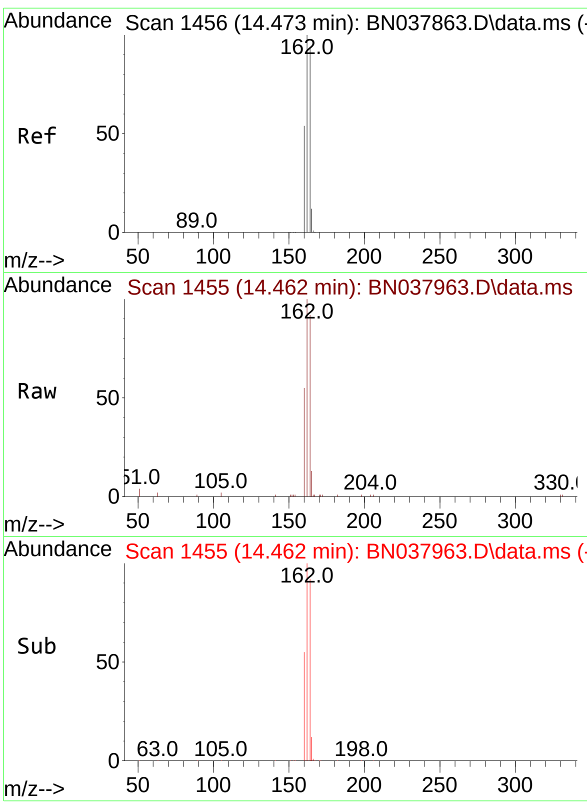


#11
2-Methylnaphthalene-d10
Concen: 0.318 ng
RT: 12.207 min Scan# 1
Delta R.T. -0.010 min
Lab File: BN037963.D
Acq: 01 Oct 2025 02:23

Tgt Ion:152 Resp: 9258

Ion	Ratio	Lower	Upper
152	100		
151	21.6	17.4	26.2

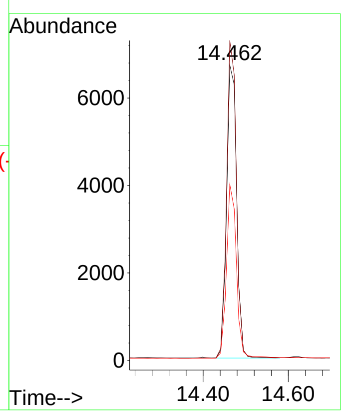




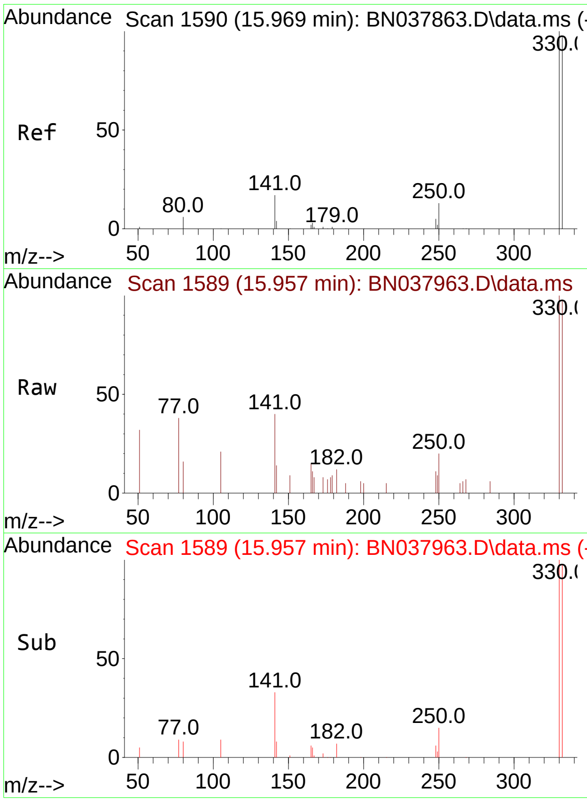
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.462 min Scan# 1455
Delta R.T. -0.011 min
Lab File: BN037963.D
Acq: 01 Oct 2025 02:23

Tgt Ion:164 Resp: 11025

Ion	Ratio	Lower	Upper
164	100		
162	108.3	84.8	127.2
160	59.6	46.1	69.1



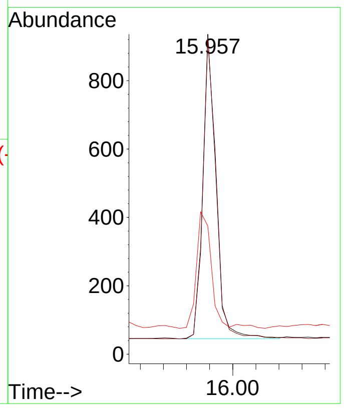
Instrument :
BNA_N
ClientSampleId :
DUP12-20250923

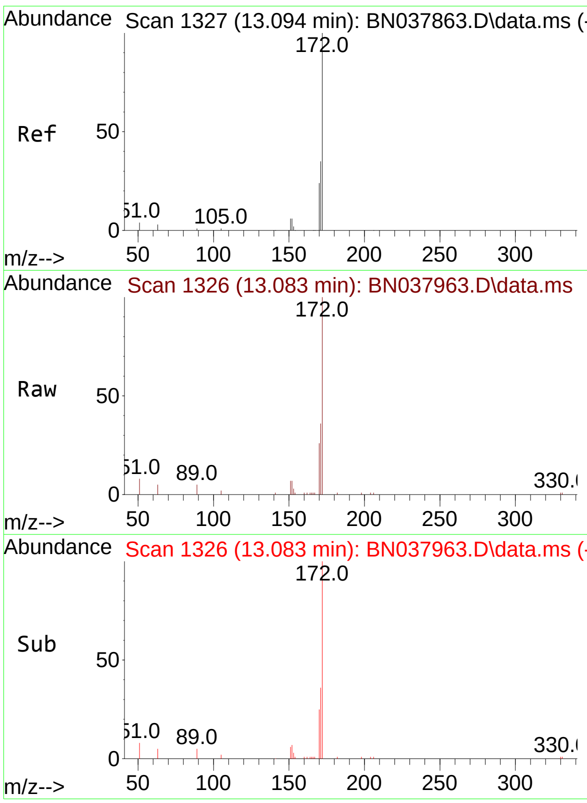


#14
2,4,6-Tribromophenol
Concen: 0.337 ng
RT: 15.957 min Scan# 1!
Delta R.T. -0.012 min
Lab File: BN037963.D
Acq: 01 Oct 2025 02:23

Tgt Ion:330 Resp: 1408

Ion	Ratio	Lower	Upper
330	100		
332	99.2	77.2	115.8
141	43.8	37.2	55.8

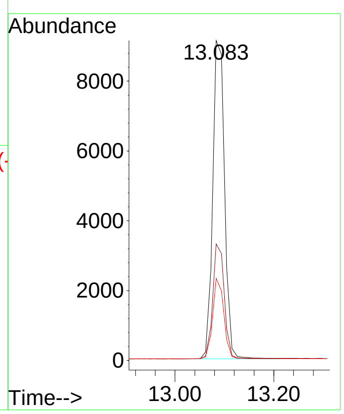




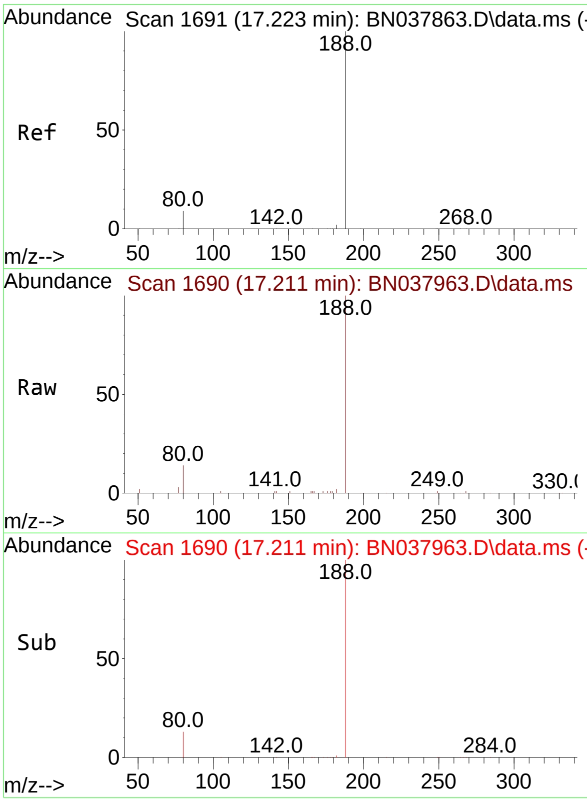
#15
2-Fluorobiphenyl
Concen: 0.337 ng
RT: 13.083 min Scan# 1326
Delta R.T. -0.011 min
Lab File: BN037963.D
Acq: 01 Oct 2025 02:23

Tgt Ion:172 Resp: 15199

Ion	Ratio	Lower	Upper
172	100		
171	36.4	28.6	43.0
170	25.6	19.7	29.5

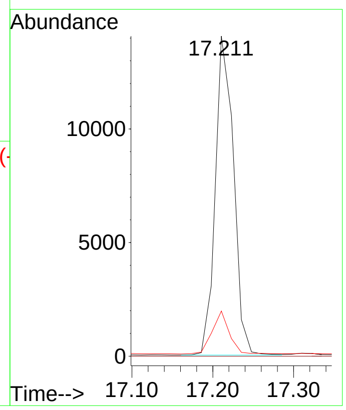


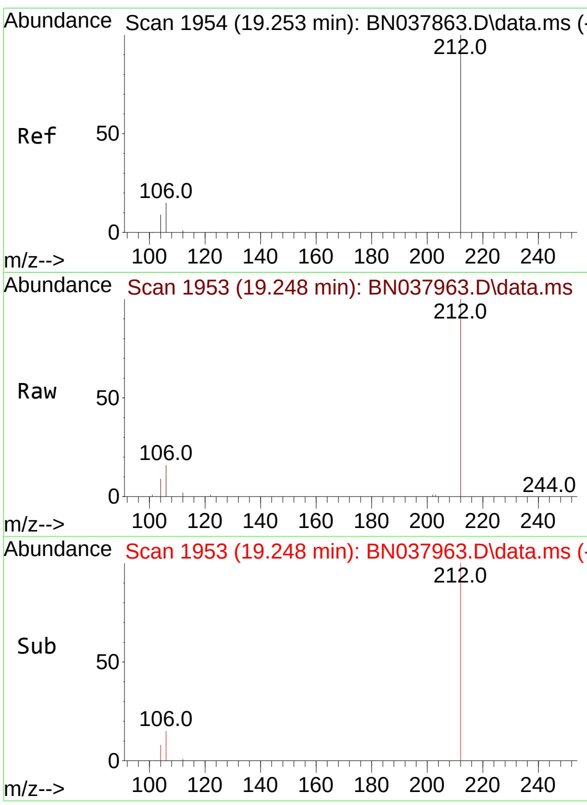
Instrument :
BNA_N
ClientSampleId :
DUP12-20250923




```
#19
Phenanthrene-d10
Concen:     0.400 ng
RT:  17.211 min  Scan# 16
Delta R.T.  -0.012 min
Lab File:   BN037963.D
Acq: 01 Oct 2025  02:23

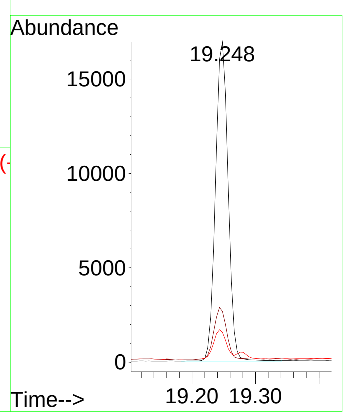
Tgt Ion:188 Resp:   21998
Ion  Ratio  Lower  Upper
188  100
 94    0.0    0.0    0.0
 80   14.1    7.6   11.4#
```





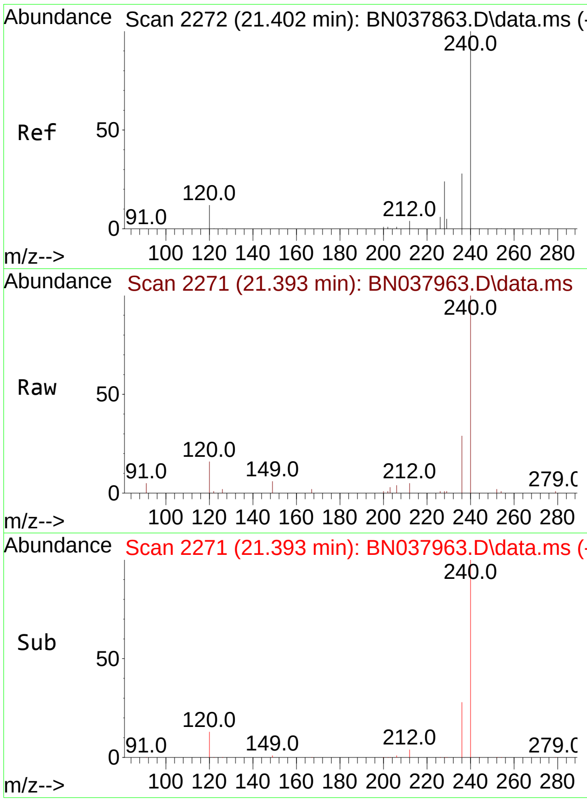

```
#27
Fluoranthene-d10
Concen:     0.422 ng
RT:  19.248 min  Scan# 1953
Delta R.T.  -0.005 min
Lab File:   BN037963.D
Acq: 01 Oct 2025  02:23

Tgt Ion:212 Resp:   23352
Ion  Ratio  Lower  Upper
212  100
106   16.4   12.6   19.0
104    9.3    7.4   11.0
```



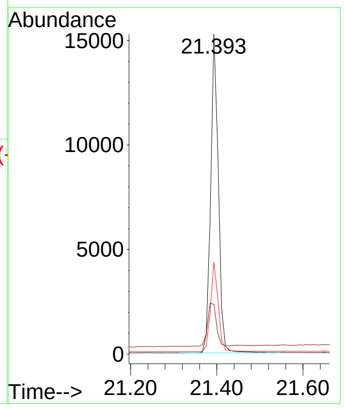
Instrument : BNA_N
ClientSampleId : DUP12-20250923

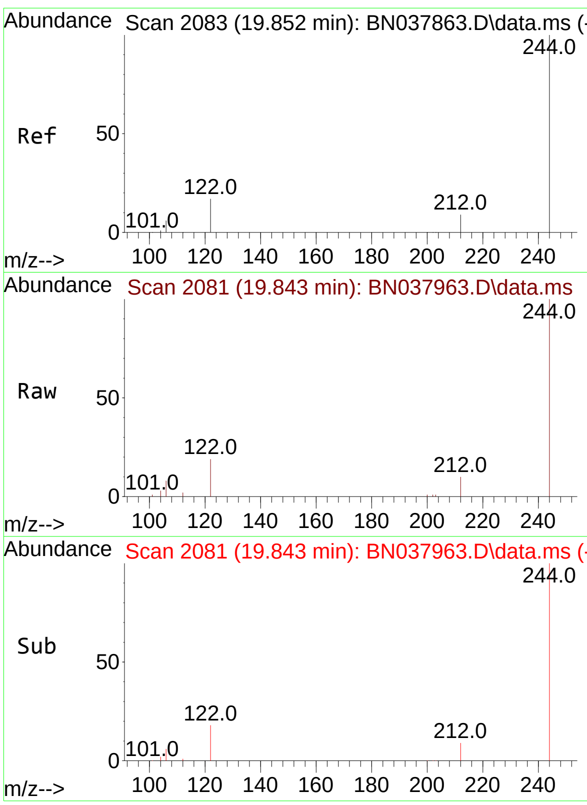
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17




```
#29
Chrysene-d12
Concen:    0.400 ng
RT:  21.393 min  Scan# 2
Delta R.T.  -0.009 min
Lab File:   BN037963.D
Acq: 01 Oct 2025  02:23

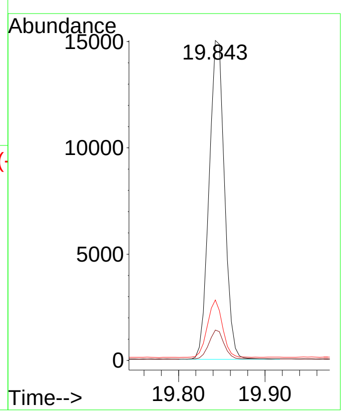
Tgt Ion:240 Resp:   18988
Ion  Ratio  Lower  Upper
240  100
120   15.6   11.4   17.2
236   28.7   23.0   34.6
```



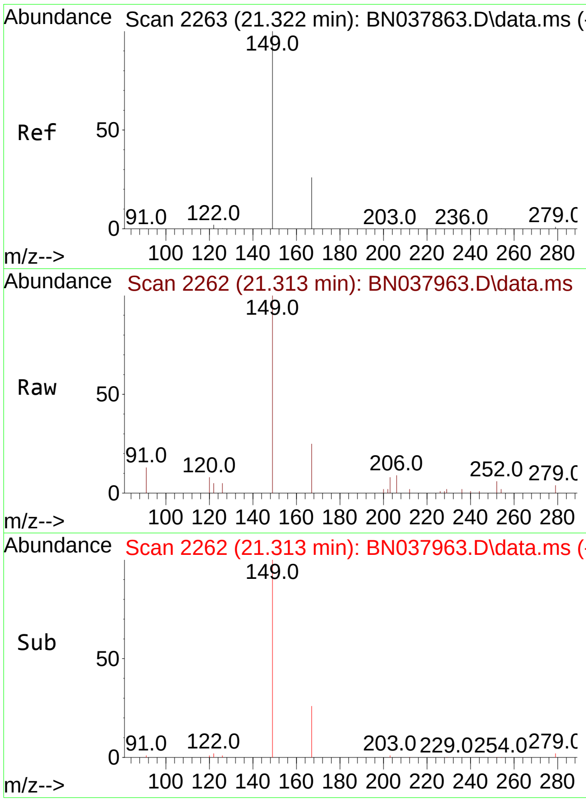



```
#31
Terphenyl-d14
Concen:    0.495 ng
RT:  19.843 min  Scan# 2081
Delta R.T.  -0.009 min
Lab File:   BN037963.D
Acq: 01 Oct 2025  02:23

Tgt Ion:244 Resp:   18724
Ion  Ratio  Lower  Upper
244  100
212    9.5    7.6   11.4
122   18.9   13.9   20.9
```



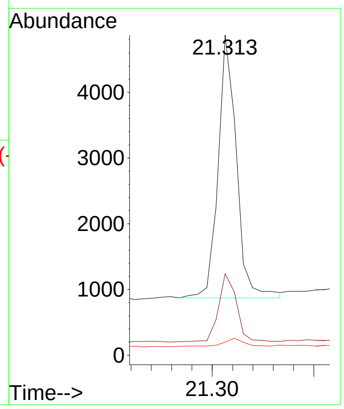
Instrument : BNA_N
ClientSampleId : DUP12-20250923

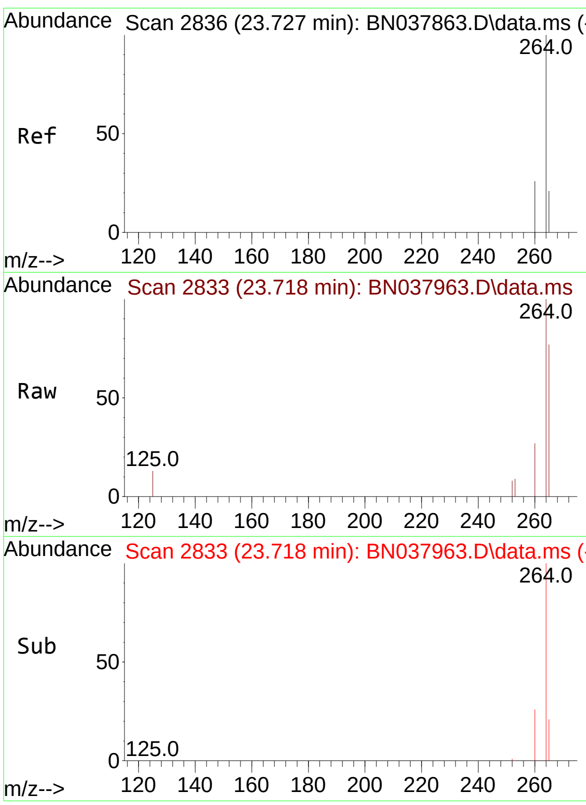


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.191 ng
RT: 21.313 min Scan# 2262
Delta R.T. -0.009 min
Lab File: BN037963.D
Acq: 01 Oct 2025 02:23

Tgt Ion:149 Resp: 5006

Ion	Ratio	Lower	Upper
149	100		
167	25.7	20.4	30.6
279	3.8	2.4	3.6#

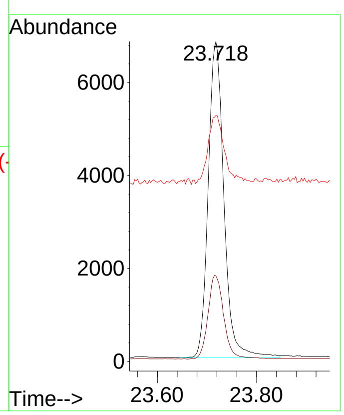




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.718 min Scan# 2833
Delta R.T. -0.009 min
Lab File: BN037963.D
Acq: 01 Oct 2025 02:23

Tgt Ion:264 Resp: 14992

Ion	Ratio	Lower	Upper
264	100		
260	26.8	21.5	32.3
265	76.9	53.8	80.6



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:	09/23/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	RW10A-MW01S-20250923	SDG No.:	Q3193
Lab Sample ID:	Q3193-13	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
BN037964.D	1	09/29/25 08:43	10/01/25 02:59	PB169886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.080	J	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.26		30 - 150		64%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.35		30 - 150		88%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.26		55 - 111		65%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.27		53 - 106		67%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.47		58 - 132		116%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7500	7.811				
1146-65-2	Naphthalene-d8	21500	10.616				
15067-26-2	Acenaphthene-d10	11500	14.463				
1517-22-2	Phenanthrene-d10	24800	17.211				
1719-03-5	Chrysene-d12	17200	21.393				
1520-96-3	Perylene-d12	13300	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\BN093025\
Data File : BN037964.D
Acq On : 01 Oct 2025 02:59
Operator : RC/JU
Sample : Q3193-13
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RW10A-MW01S-20250923

Quant Time: Oct 01 04:26:23 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	7495	0.400 ng	-0.01
7) Naphthalene-d8	10.616	136	21468	0.400 ng	-0.01
13) Acenaphthene-d10	14.463	164	11500	0.400 ng	-0.01
19) Phenanthrene-d10	17.211	188	24754	0.400 ng	#-0.01
29) Chrysene-d12	21.393	240	17225	0.400 ng	0.00
35) Perylene-d12	23.721	264	13309	0.400 ng	# 0.00
System Monitoring Compounds					
4) 2-Fluorophenol	5.385	112	2082	0.122 ng	0.00
5) Phenol-d6	6.966	99	1627	0.072 ng	0.00
8) Nitrobenzene-d5	8.961	82	4238	0.259 ng	-0.01
11) 2-Methylnaphthalene-d10	12.207	152	7660	0.257 ng	-0.01
14) 2,4,6-Tribromophenol	15.957	330	1386	0.318 ng	-0.01
15) 2-Fluorobiphenyl	13.083	172	12626	0.268 ng	-0.01
27) Fluoranthene-d10	19.243	212	21781	0.350 ng	0.00
31) Terphenyl-d14	19.843	244	15944	0.465 ng	0.00
Target Compounds					Qvalue
2) 1,4-Dioxane	3.290	88	597	0.078 ng	# 23
34) Bis(2-ethylhexyl)phtha...	21.313	149	2323	0.098 ng	# 97

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

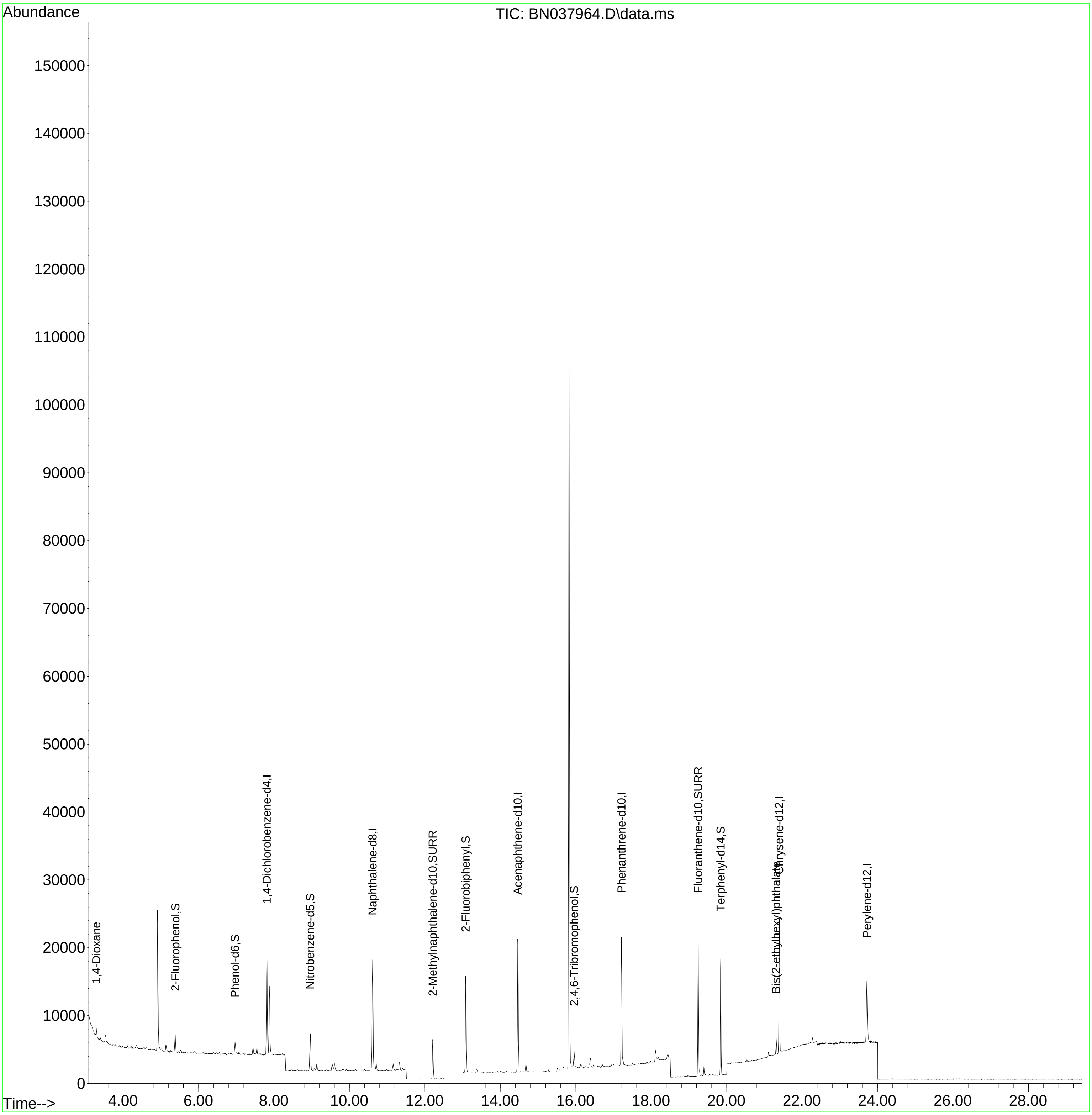
Quantitation Report (QT Reviewed)

Sample Results: **BN037964.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN093025\
Data File : BN037964.D
Acq On : 01 Oct 2025 02:59
Operator : RC/JU
Sample : Q3193-13
Misc :
ALS Vial : 21 Sample Multiplier: 1

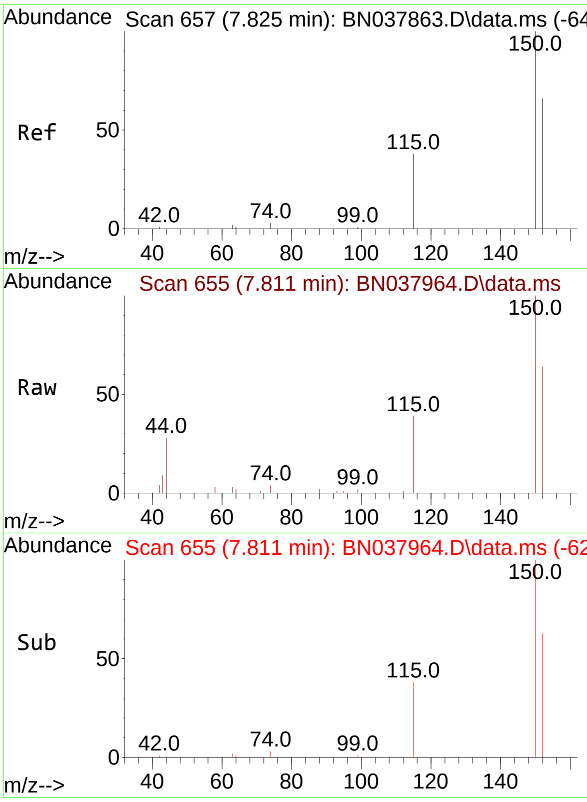
Instrument :
BNA_N
ClientSampleId :
RW10A-MW01S-20250923

Quant Time: Oct 01 04:26:23 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 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

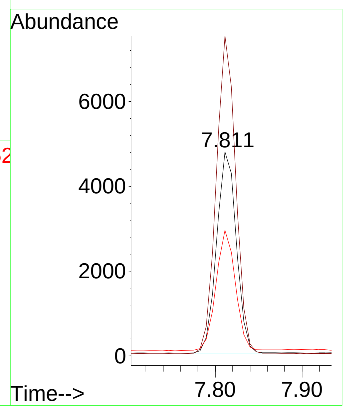
Instrument :
BNA_N
ClientSampleId :
RW10A-MW01S-20250923

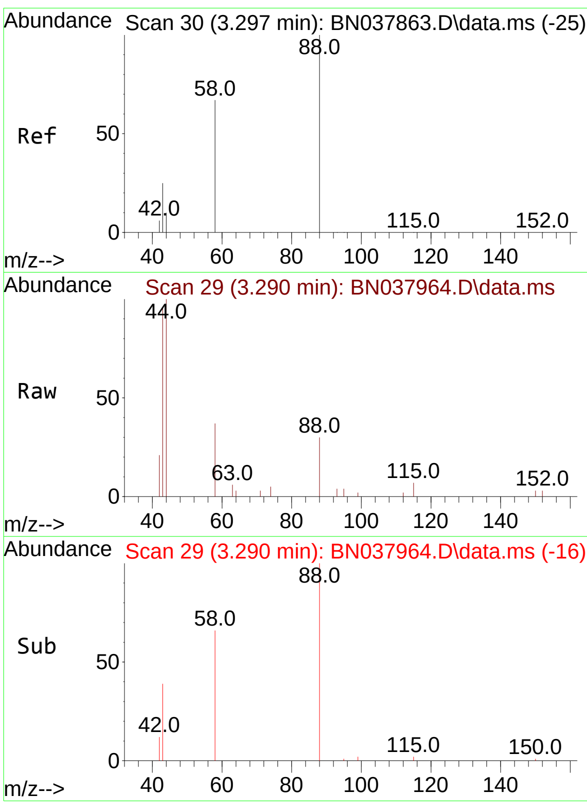


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.811 min Scan# 6
Delta R.T. -0.014 min
Lab File: BN037964.D
Acq: 01 Oct 2025 02:59

Tgt Ion:152 Resp: 7495

Ion	Ratio	Lower	Upper
152	100		
150	156.9	121.0	181.4
115	61.6	47.4	71.0

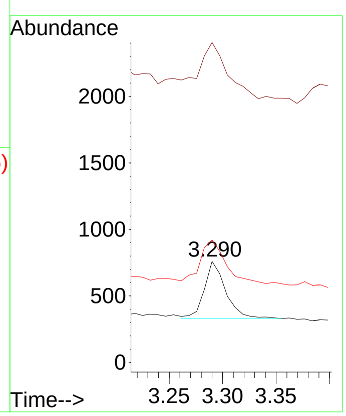




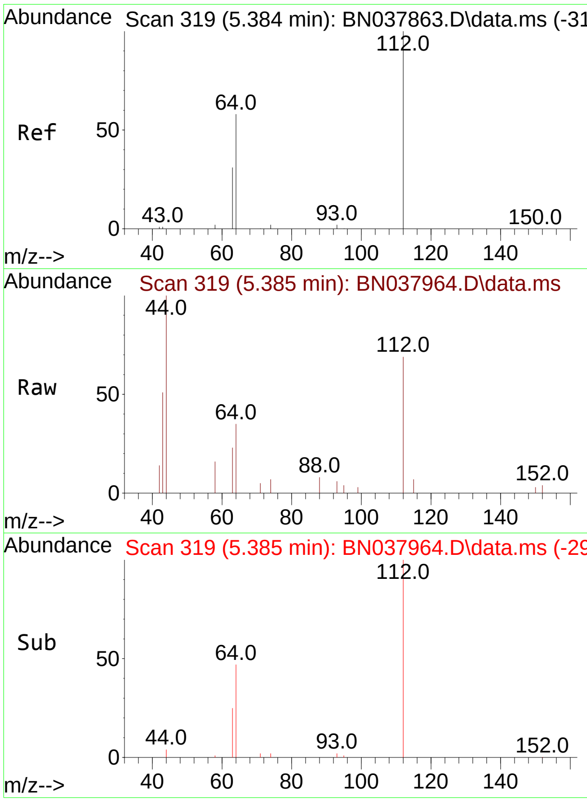
#2
1,4-Dioxane
Concen: 0.078 ng
RT: 3.290 min Scan# 29
Delta R.T. -0.007 min
Lab File: BN037964.D
Acq: 01 Oct 2025 02:59

Tgt Ion: 88 Resp: 597

Ion	Ratio	Lower	Upper
88	100		
43	132.3	26.6	39.8#
58	101.3	58.9	88.3#



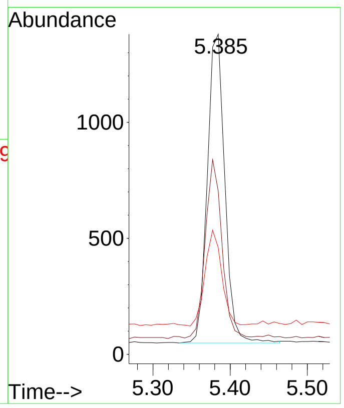
Instrument :
BNA_N
ClientSampleId :
RW10A-MW01S-20250923

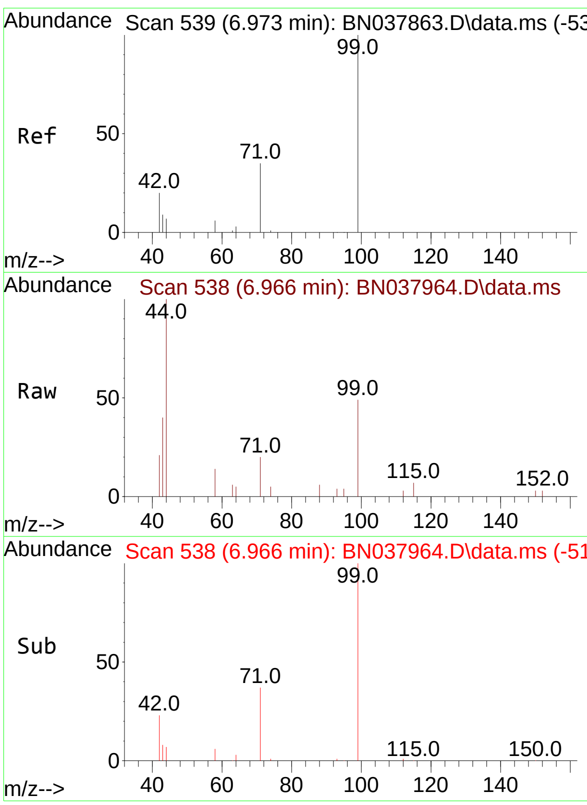


#4
2-Fluorophenol
Concen: 0.122 ng
RT: 5.385 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN037964.D
Acq: 01 Oct 2025 02:59

Tgt Ion:112 Resp: 2082

Ion	Ratio	Lower	Upper
112	100		
64	55.9	44.6	66.8
63	29.0	24.9	37.3

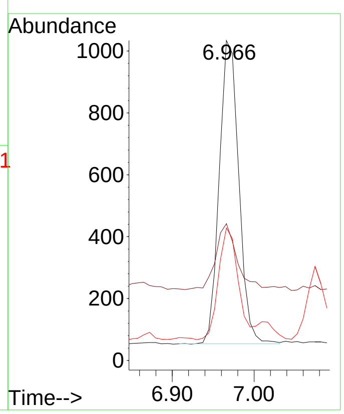




#5
Phenol-d6
Concen: 0.072 ng
RT: 6.966 min Scan# 538
Delta R.T. -0.007 min
Lab File: BN037964.D
Acq: 01 Oct 2025 02:59

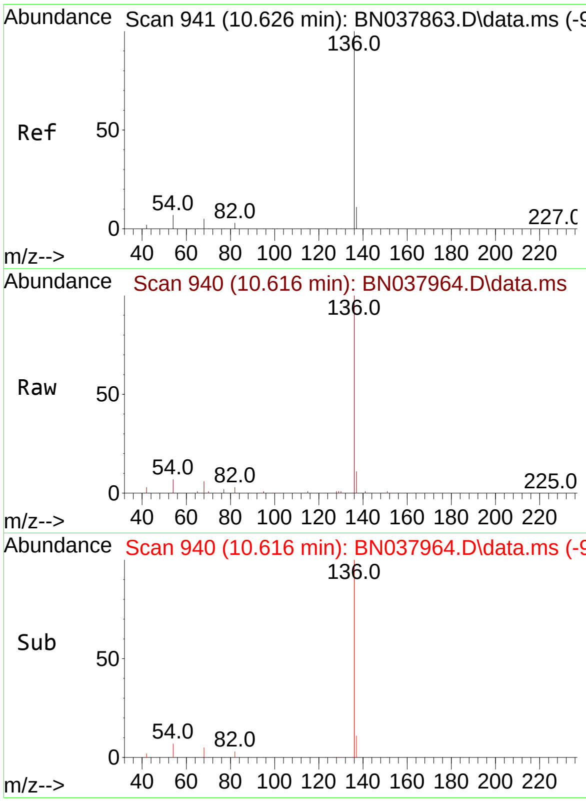
Tgt Ion: 99 Resp: 1627

Ion	Ratio	Lower	Upper
99	100		
42	23.4	17.2	25.8
71	37.9	27.3	40.9



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

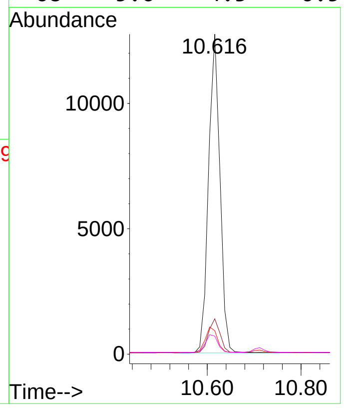
Instrument :
BNA_N
ClientSampleId :
RW10A-MW01S-20250923

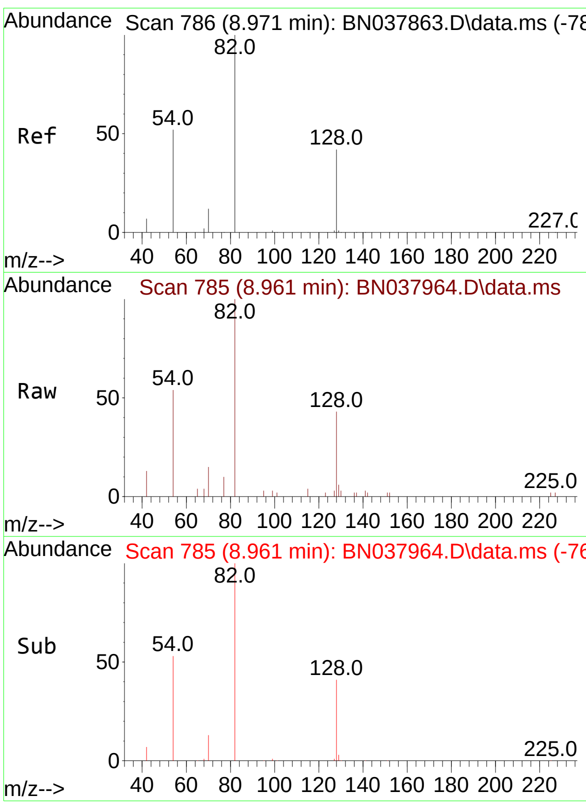


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.616 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037964.D
Acq: 01 Oct 2025 02:59

Tgt Ion:136 Resp: 21468

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	7.3	5.8	8.8
68	5.6	4.3	6.5

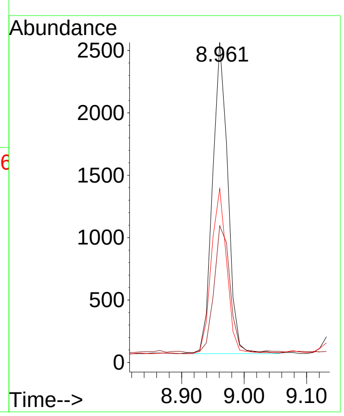




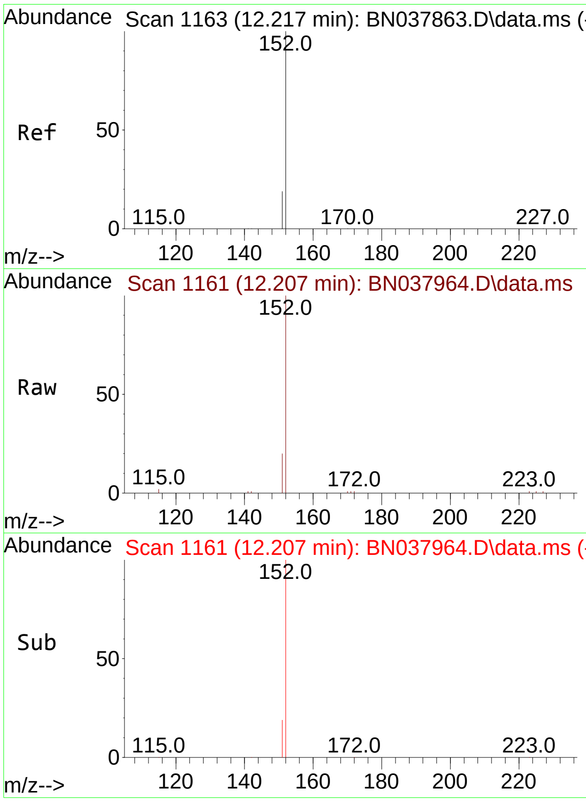
#8
Nitrobenzene-d5
Concen: 0.259 ng
RT: 8.961 min Scan# 785
Delta R.T. -0.011 min
Lab File: BN037964.D
Acq: 01 Oct 2025 02:59

Tgt Ion: 82 Resp: 4238

Ion	Ratio	Lower	Upper
82	100		
128	42.7	34.8	52.2
54	54.3	42.2	63.2



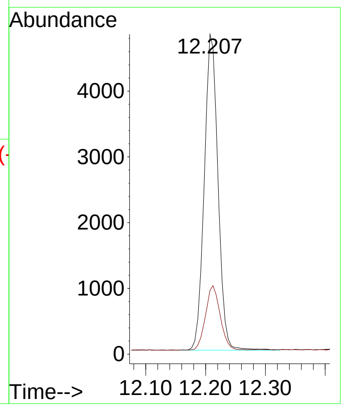
Instrument :
BNA_N
ClientSampleId :
RW10A-MW01S-20250923

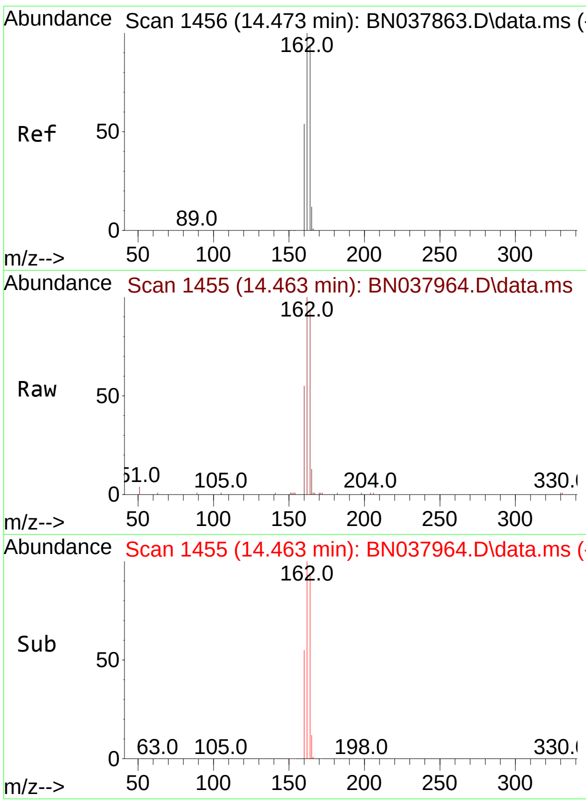


#11
2-Methylnaphthalene-d10
Concen: 0.257 ng
RT: 12.207 min Scan# 1
Delta R.T. -0.010 min
Lab File: BN037964.D
Acq: 01 Oct 2025 02:59

Tgt Ion:152 Resp: 7660

Ion	Ratio	Lower	Upper
152	100		
151	21.8	17.4	26.2

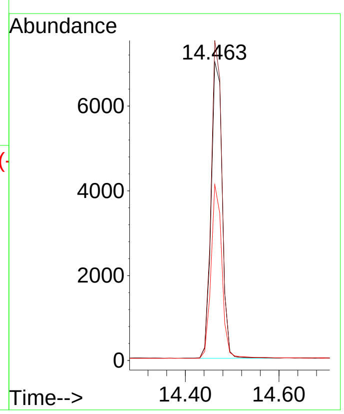




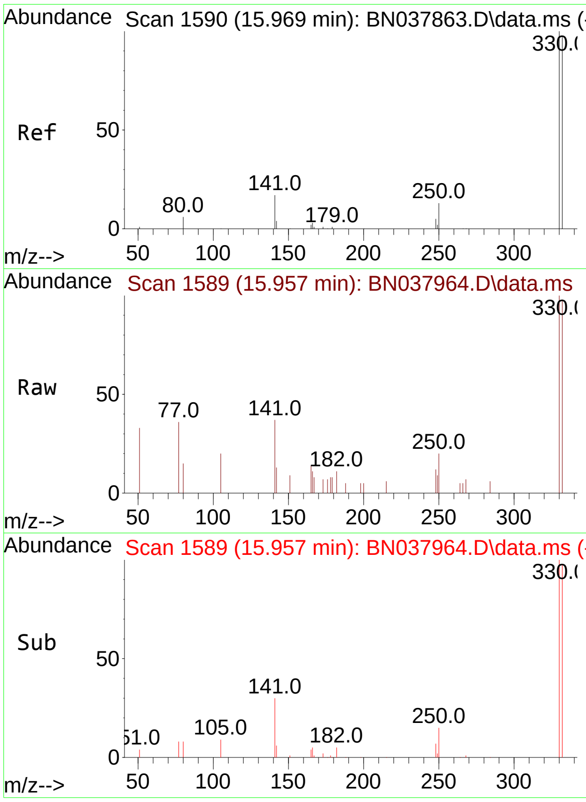
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.463 min Scan# 1455
Delta R.T. -0.011 min
Lab File: BN037964.D
Acq: 01 Oct 2025 02:59

Tgt Ion:164 Resp: 11500

Ion	Ratio	Lower	Upper
164	100		
162	107.2	84.8	127.2
160	58.9	46.1	69.1



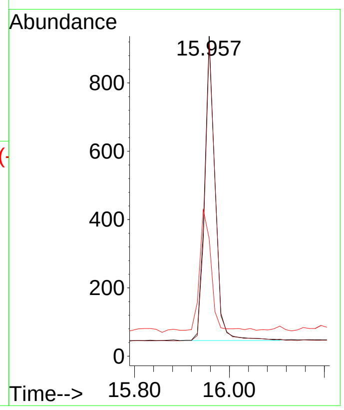
Instrument :
BNA_N
ClientSampleId :
RW10A-MW01S-20250923

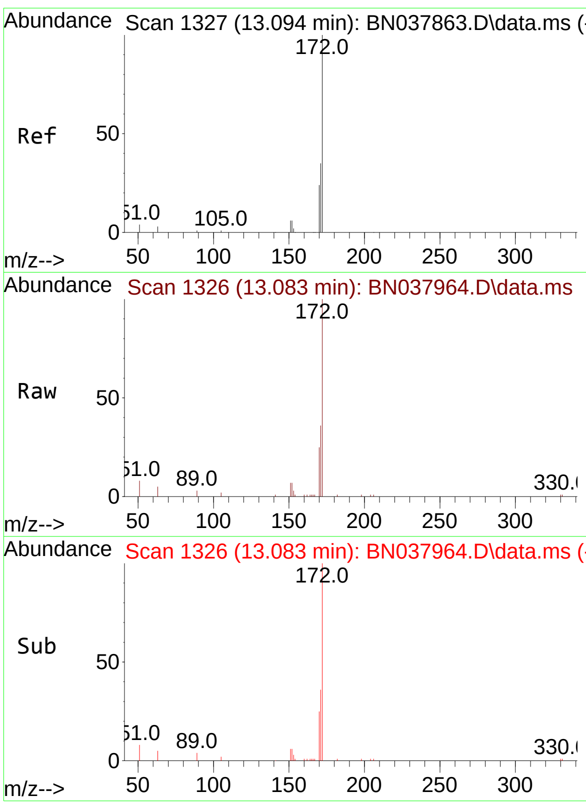


#14
2,4,6-Tribromophenol
Concen: 0.318 ng
RT: 15.957 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037964.D
Acq: 01 Oct 2025 02:59

Tgt Ion:330 Resp: 1386

Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.2	115.8
141	43.6	37.2	55.8

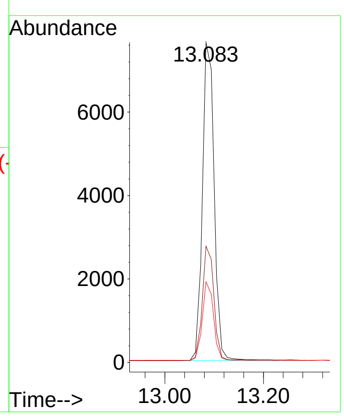




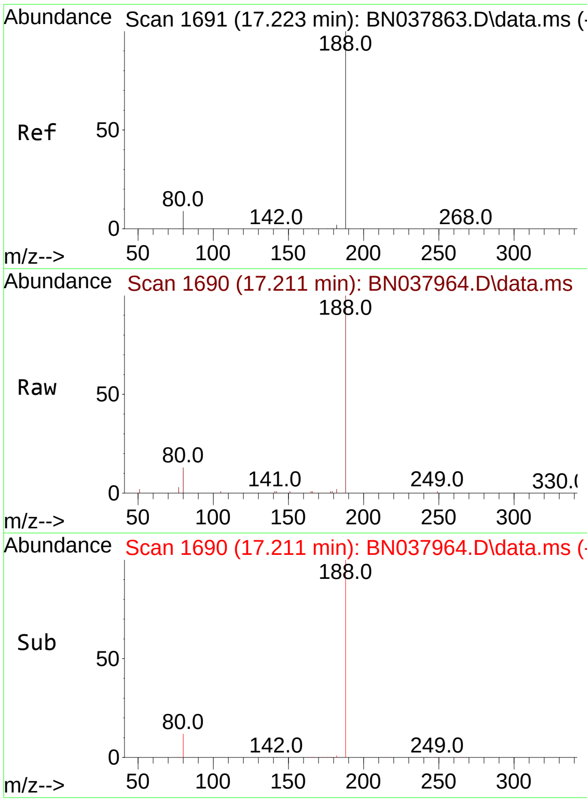
#15
2-Fluorobiphenyl
Concen: 0.268 ng
RT: 13.083 min Scan# 1326
Delta R.T. -0.011 min
Lab File: BN037964.D
Acq: 01 Oct 2025 02:59

Tgt Ion:172 Resp: 12626

Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.6	43.0
170	25.2	19.7	29.5



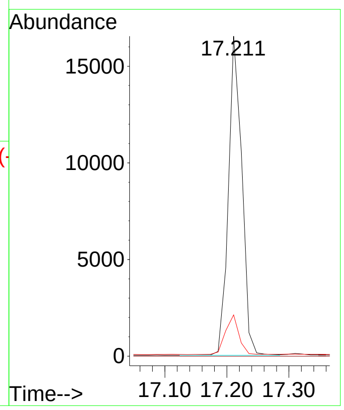
Instrument :
BNA_N
ClientSampleId :
RW10A-MW01S-20250923

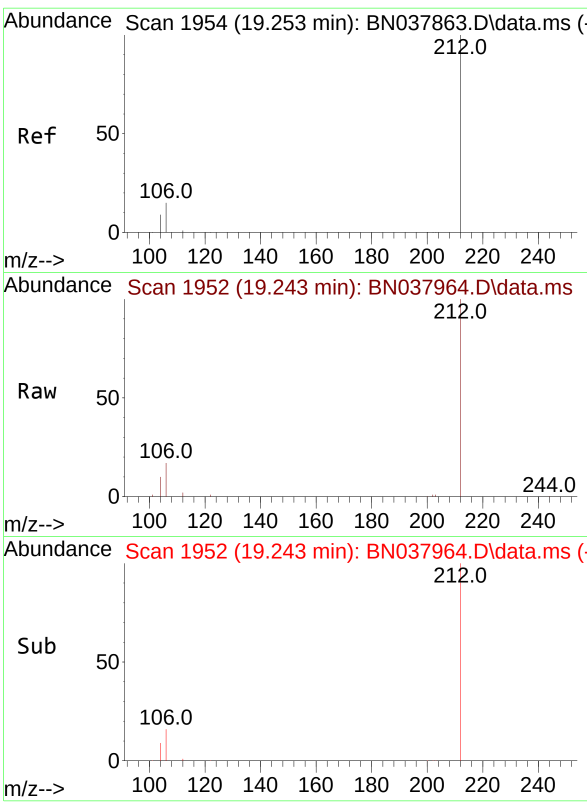


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.211 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037964.D
Acq: 01 Oct 2025 02:59

Tgt Ion:188 Resp: 24754

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	12.9	7.6	11.4#

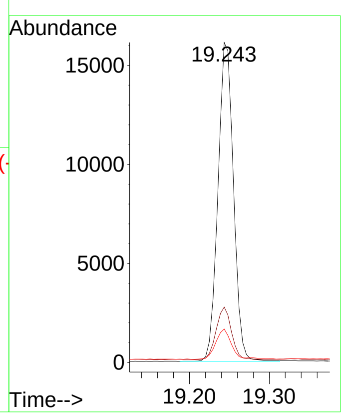




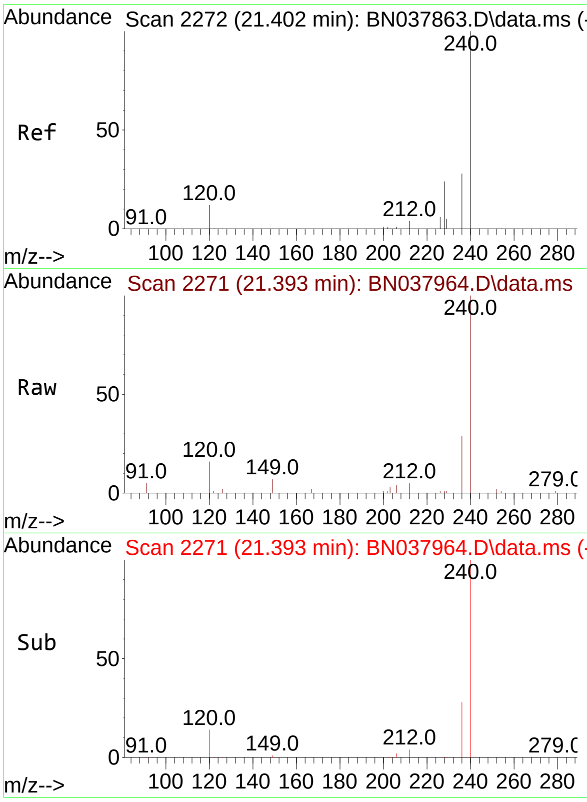
#27
Fluoranthene-d10
Concen: 0.350 ng
RT: 19.243 min Scan# 1952
Delta R.T. -0.009 min
Lab File: BN037964.D
Acq: 01 Oct 2025 02:59

Tgt Ion:212 Resp: 21781

Ion	Ratio	Lower	Upper
212	100		
106	16.2	12.6	19.0
104	9.3	7.4	11.0

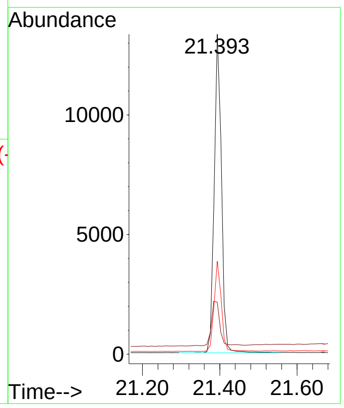


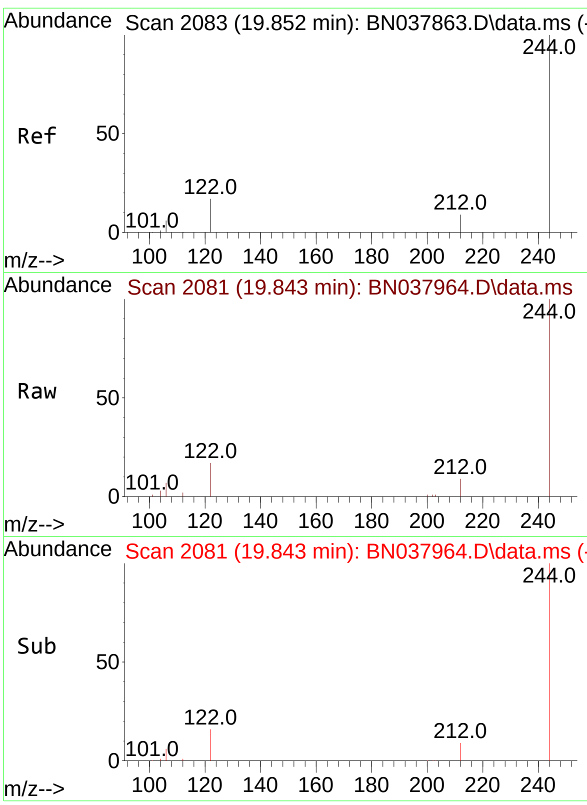
Instrument :
BNA_N
ClientSampleId :
RW10A-MW01S-20250923




```
#29
Chrysene-d12
Concen:    0.400 ng
RT:  21.393 min  Scan# 2
Delta R.T.  -0.009 min
Lab File:   BN037964.D
Acq: 01 Oct 2025  02:59

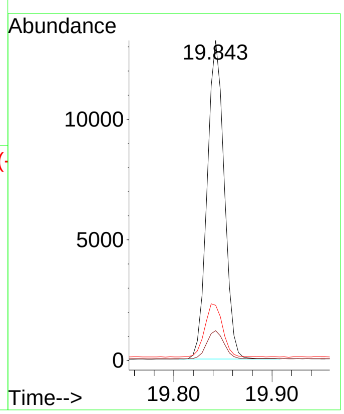
Tgt Ion:240 Resp:   17225
Ion  Ratio  Lower  Upper
240  100
120   16.3   11.4   17.2
236   29.0   23.0   34.6
```



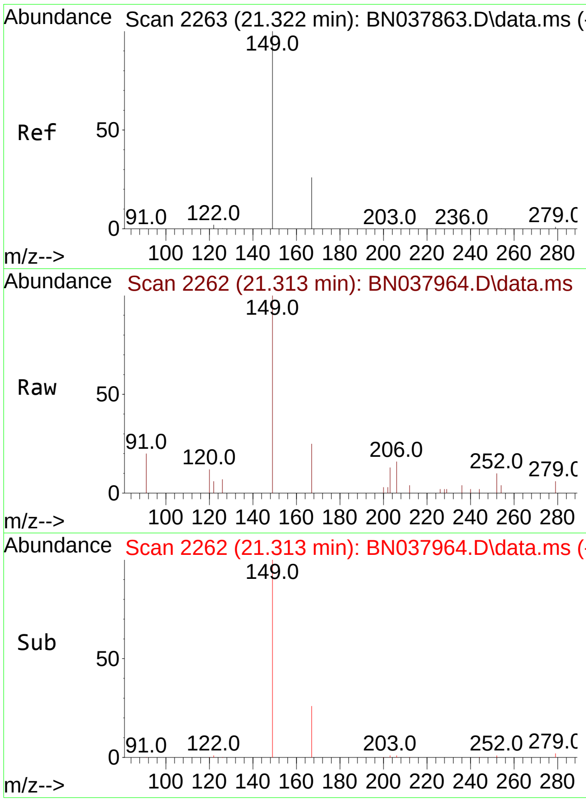



```
#31
Terphenyl-d14
Concen:    0.465 ng
RT:  19.843 min  Scan# 2081
Delta R.T.  -0.009 min
Lab File:   BN037964.D
Acq: 01 Oct 2025  02:59

Tgt Ion:244 Resp:   15944
Ion  Ratio  Lower  Upper
244  100
212    9.3    7.6   11.4
122   17.3   13.9   20.9
```



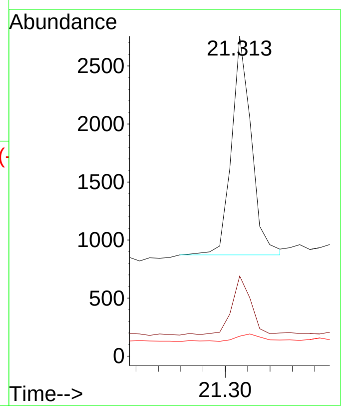
Instrument :
BNA_N
ClientSampleId :
RW10A-MW01S-20250923

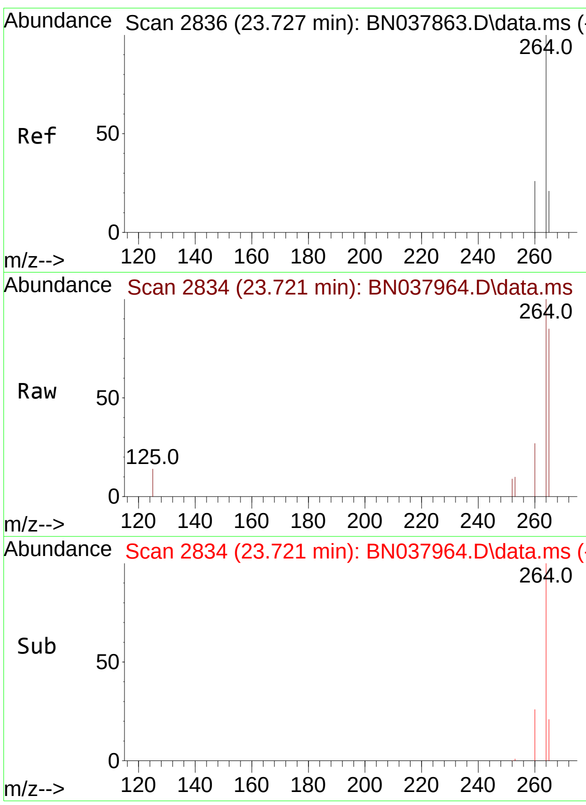


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.098 ng
RT: 21.313 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037964.D
Acq: 01 Oct 2025 02:59

Tgt Ion:149 Resp: 2323

Ion	Ratio	Lower	Upper
149	100		
167	26.6	20.4	30.6
279	4.6	2.4	3.6#

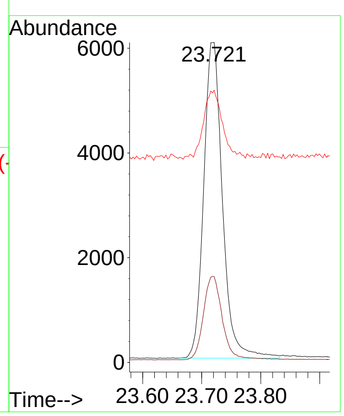




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.721 min Scan# 2834
Delta R.T. -0.006 min
Lab File: BN037964.D
Acq: 01 Oct 2025 02:59

Tgt Ion:264 Resp: 13309

Ion	Ratio	Lower	Upper
264	100		
260	26.9	21.5	32.3
265	85.1	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:	09/23/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	RW8-MW01D1-20250923	SDG No.:	Q3193
Lab Sample ID:	Q3193-14	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
BN037965.D	1	09/29/25 08:43	10/01/25 03:35	PB169886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.070	J	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.32		30 - 150		81%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.38		30 - 150		94%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.36		55 - 111		90%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.34		53 - 106		84%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.43		58 - 132		106%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7630	7.811				
1146-65-2	Naphthalene-d8	22000	10.615				
15067-26-2	Acenaphthene-d10	11700	14.462				
1517-22-2	Phenanthrene-d10	24200	17.21				
1719-03-5	Chrysene-d12	19100	21.393				
1520-96-3	Perylene-d12	15200	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\BN093025\
Data File : BN037965.D
Acq On : 01 Oct 2025 03:35
Operator : RC/JU
Sample : Q3193-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RW8-MW01D1-20250923

Quant Time: Oct 01 04:26:43 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

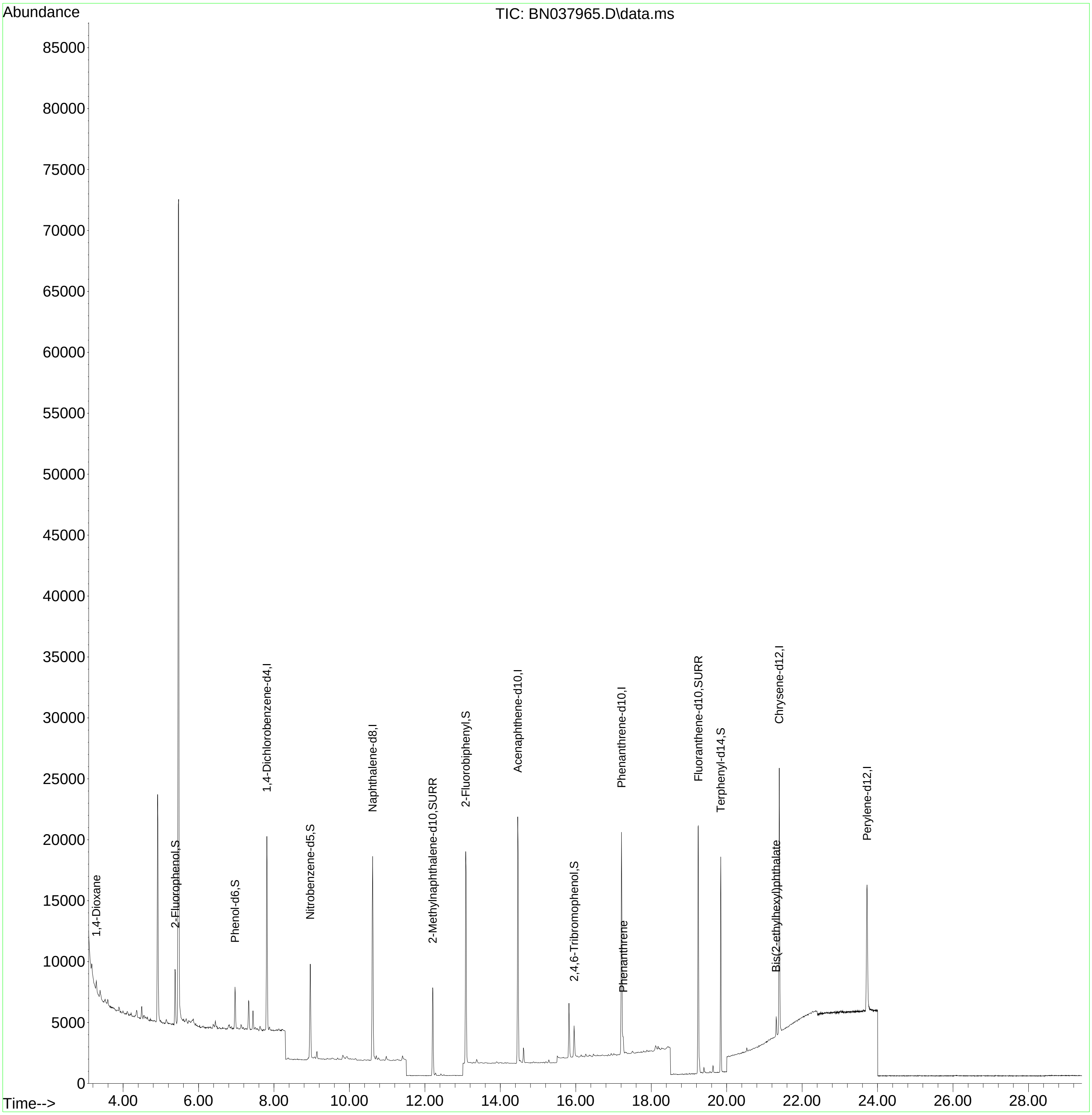
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.811	152	7626	0.400	ng	-0.01
7) Naphthalene-d8	10.615	136	21951	0.400	ng	-0.01
13) Acenaphthene-d10	14.462	164	11654	0.400	ng	-0.01
19) Phenanthrene-d10	17.210	188	24178	0.400	ng	#-0.01
29) Chrysene-d12	21.393	240	19146	0.400	ng	0.00
35) Perylene-d12	23.721	264	15180	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.384	112	3638	0.209	ng	0.00
5) Phenol-d6	6.966	99	3132	0.137	ng	0.00
8) Nitrobenzene-d5	8.961	82	5994	0.358	ng	-0.01
11) 2-Methylnaphthalene-d10	12.207	152	9825	0.322	ng	-0.01
14) 2,4,6-Tribromophenol	15.957	330	1491	0.337	ng	-0.01
15) 2-Fluorobiphenyl	13.083	172	16028	0.336	ng	-0.01
27) Fluoranthene-d10	19.248	212	22864	0.376	ng	0.00
31) Terphenyl-d14	19.842	244	16215	0.425	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.290	88	520	0.067	ng	# 40
25) Phenanthrene	17.260	178	1629	0.020	ng	# 93
34) Bis(2-ethylhexyl)phtha...	21.313	149	1666	0.063	ng	# 99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN093025\
Data File : BN037965.D
Acq On   : 01 Oct 2025 03:35
Operator : RC/JU
Sample   : Q3193-14
Misc   :
ALS Vial : 22   Sample Multiplier: 1

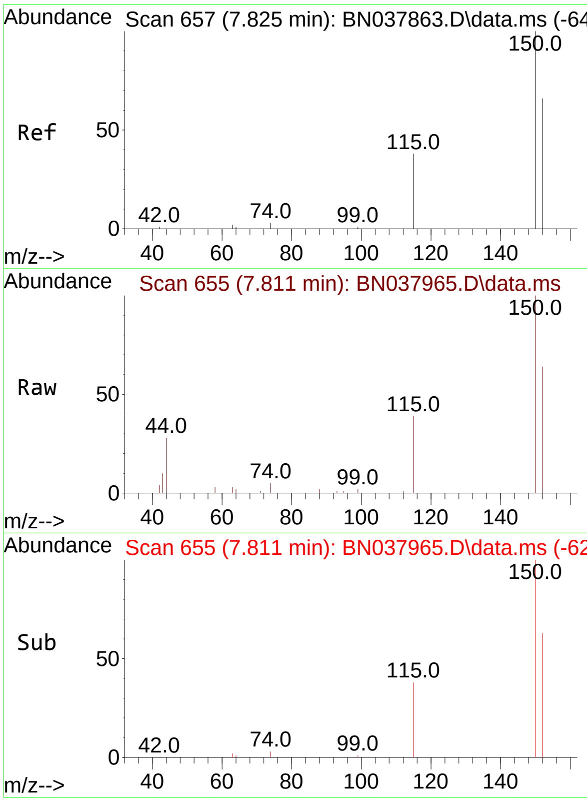
Instrument :
BNA_N
ClientSampleId :
RW8-MW01D1-20250923

Quant Time: Oct 01 04:26:43 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



Instrument :
BNA_N
ClientSampleId :
RW8-MW01D1-20250923

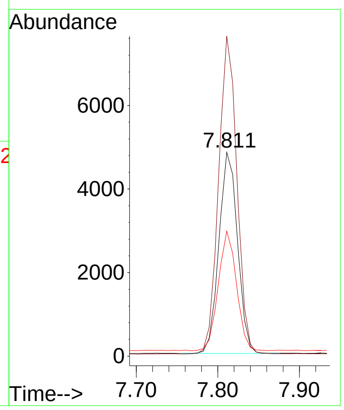
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

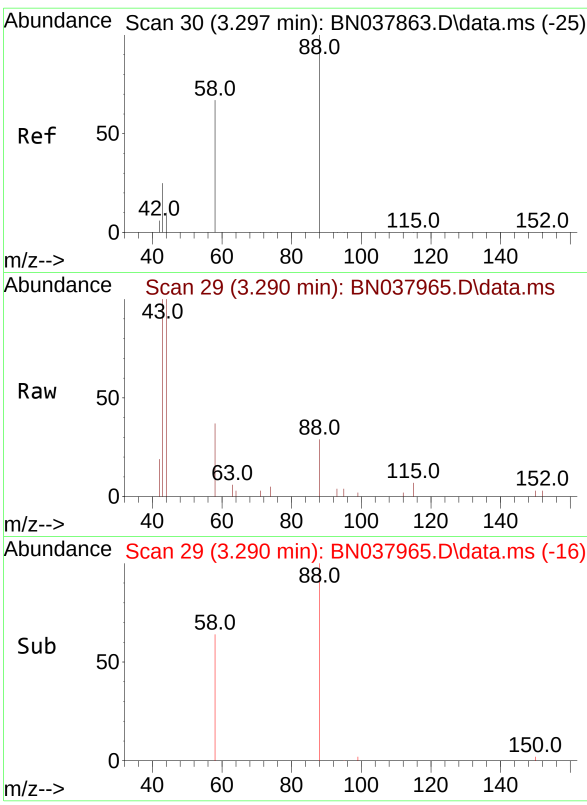


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.811 min Scan# 6
Delta R.T. -0.014 min
Lab File: BN037965.D
Acq: 01 Oct 2025 03:35

Tgt Ion:152 Resp: 7626

Ion	Ratio	Lower	Upper
152	100		
150	157.0	121.0	181.4
115	61.3	47.4	71.0

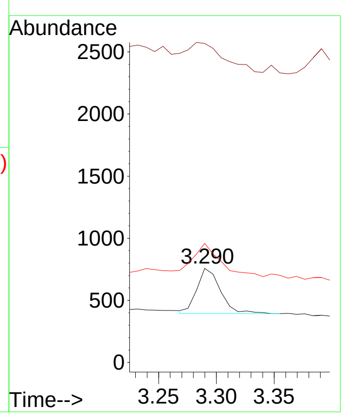


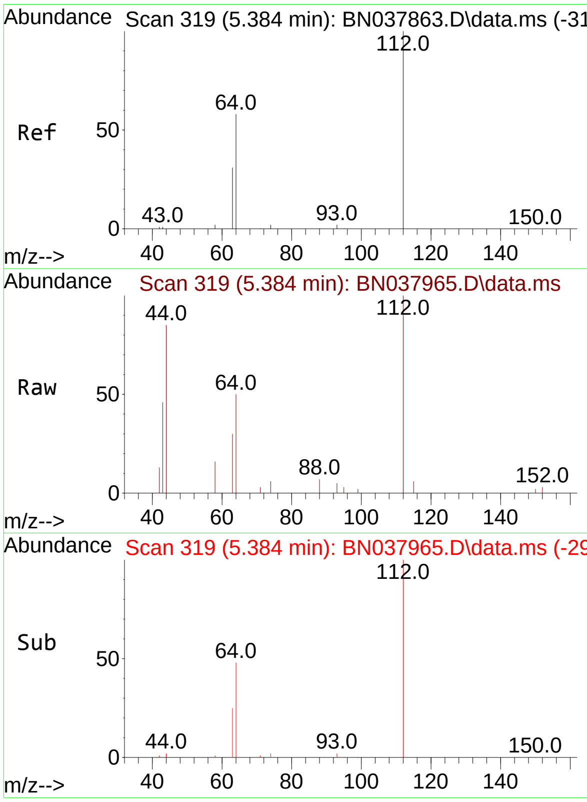


#2
1,4-Dioxane
Concen: 0.067 ng
RT: 3.290 min Scan# 29
Delta R.T. -0.007 min
Lab File: BN037965.D
Acq: 01 Oct 2025 03:35

Tgt Ion: 88 Resp: 520

Ion	Ratio	Lower	Upper
88	100		
43	98.8	26.6	39.8#
58	102.9	58.9	88.3#



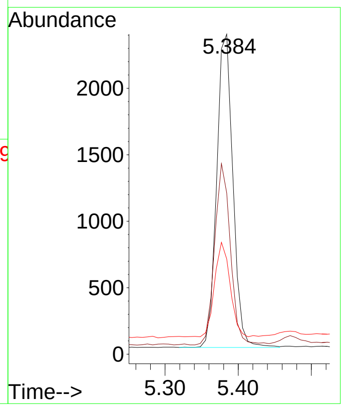


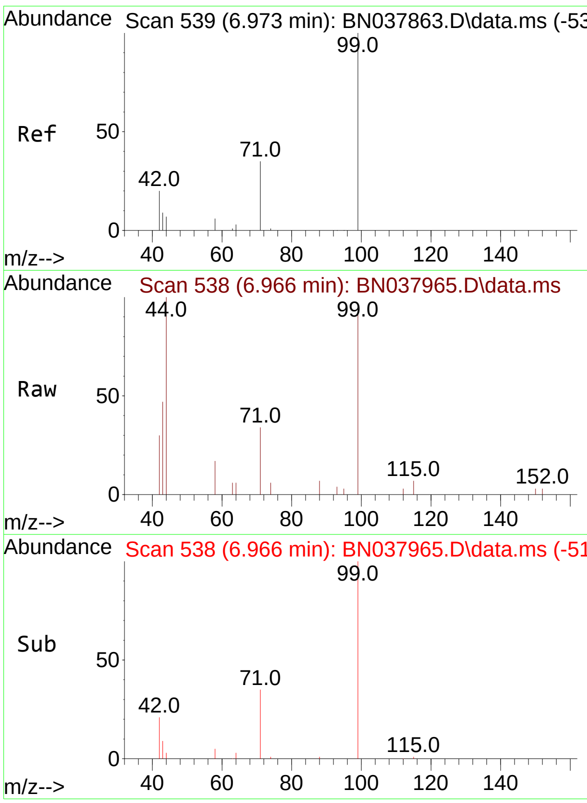
#4
2-Fluorophenol
Concen: 0.209 ng
RT: 5.384 min Scan# 31
Delta R.T. -0.000 min
Lab File: BN037965.D
Acq: 01 Oct 2025 03:35

Instrument :
BNA_N
ClientSampleId :
RW8-MW01D1-20250923

Tgt Ion:112 Resp: 3638

Ion	Ratio	Lower	Upper
112	100		
64	56.3	44.6	66.8
63	28.6	24.9	37.3

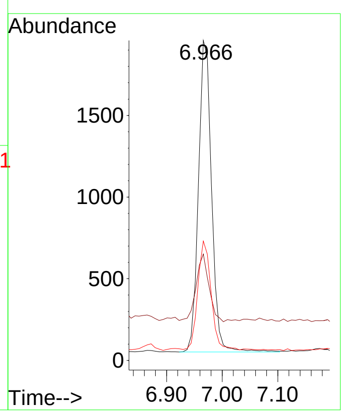




#5
Phenol-d6
Concen: 0.137 ng
RT: 6.966 min Scan# 538
Delta R.T. -0.007 min
Lab File: BN037965.D
Acq: 01 Oct 2025 03:35

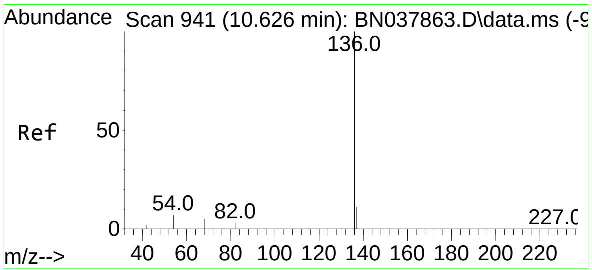
Tgt Ion: 99 Resp: 3132

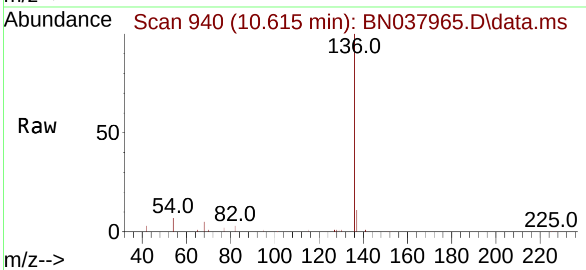
Ion	Ratio	Lower	Upper
99	100		
42	21.2	17.2	25.8
71	35.4	27.3	40.9

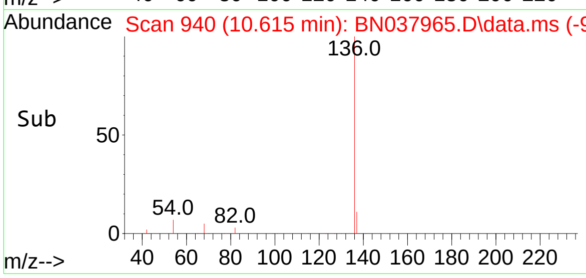


1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

Instrument : BNA_N
ClientSampleId : RW8-MW01D1-20250923



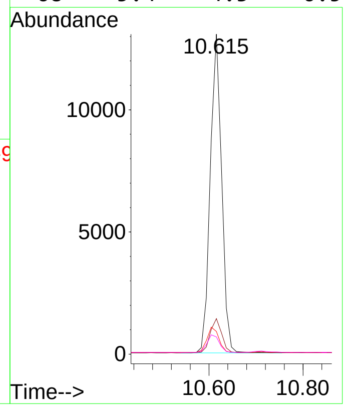


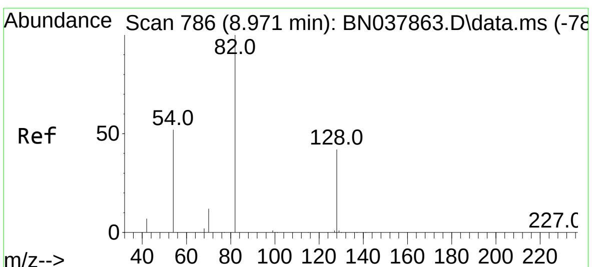


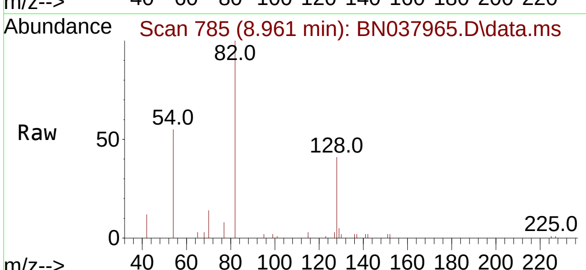
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.615 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037965.D
Acq: 01 Oct 2025 03:35

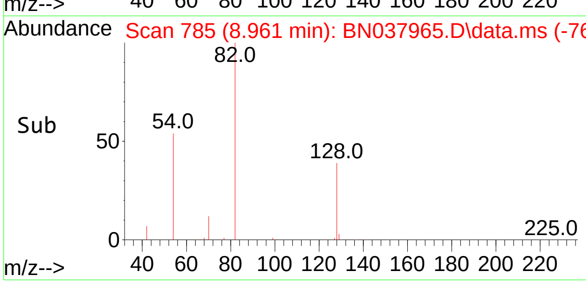
Tgt Ion:136 Resp: 21951

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	7.1	5.8	8.8
68	5.4	4.3	6.5





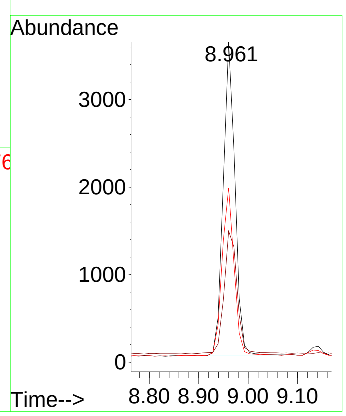




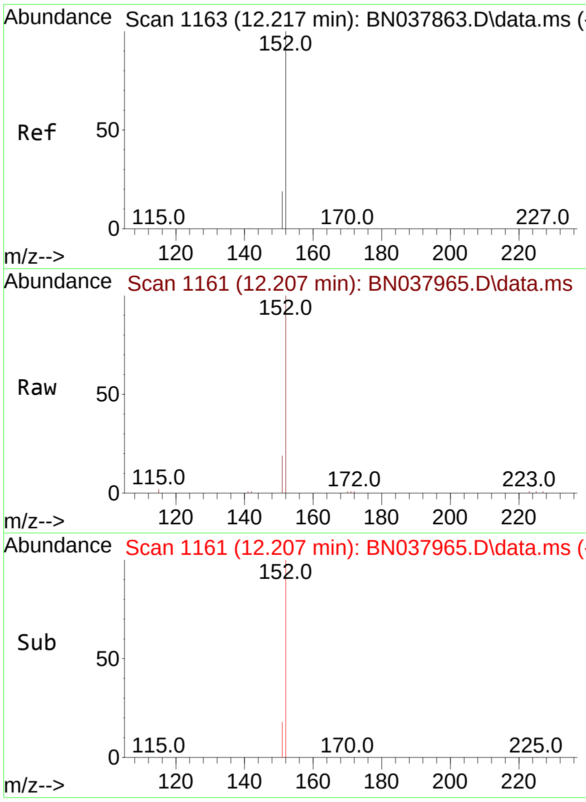
#8
Nitrobenzene-d5
Concen: 0.358 ng
RT: 8.961 min Scan# 785
Delta R.T. -0.011 min
Lab File: BN037965.D
Acq: 01 Oct 2025 03:35

Tgt Ion: 82 Resp: 5994

Ion	Ratio	Lower	Upper
82	100		
128	41.0	34.8	52.2
54	54.5	42.2	63.2



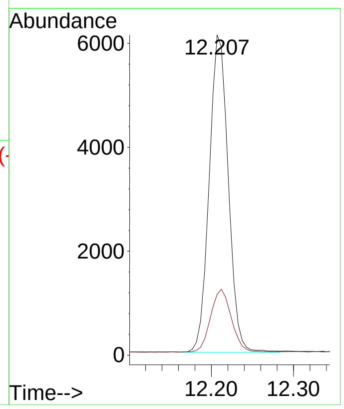
Instrument :
BNA_N
ClientSampleId :
RW8-MW01D1-20250923

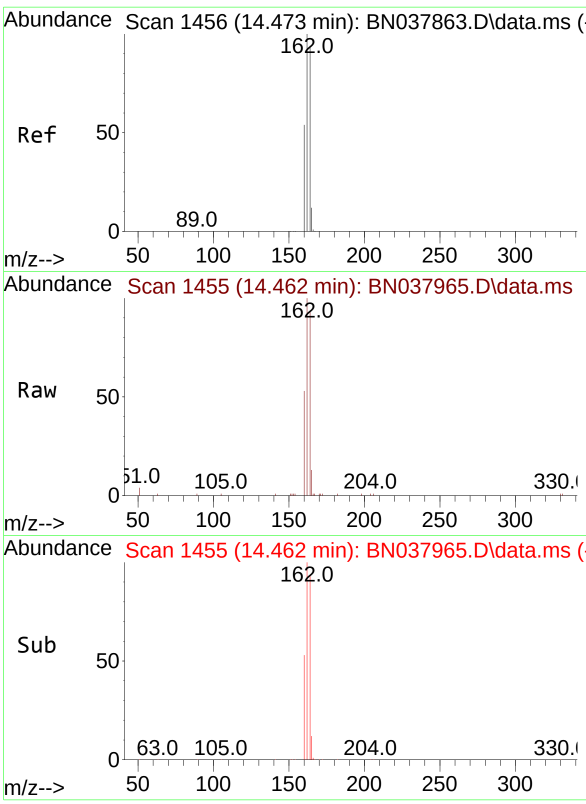


#11
2-Methylnaphthalene-d10
Concen: 0.322 ng
RT: 12.207 min Scan# 1
Delta R.T. -0.010 min
Lab File: BN037965.D
Acq: 01 Oct 2025 03:35

Tgt Ion:152 Resp: 9825

Ion	Ratio	Lower	Upper
152	100		
151	21.5	17.4	26.2

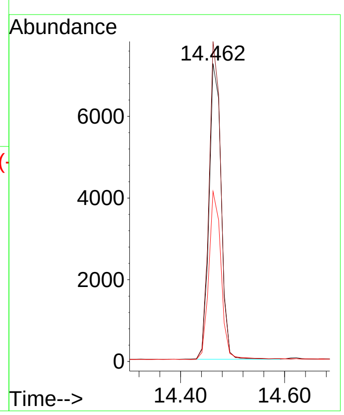




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.462 min Scan# 1455
Delta R.T. -0.011 min
Lab File: BN037965.D
Acq: 01 Oct 2025 03:35

Tgt Ion:164 Resp: 11654

Ion	Ratio	Lower	Upper
164	100		
162	107.4	84.8	127.2
160	57.1	46.1	69.1



Instrument :
BNA_N
ClientSampleId :
RW8-MW01D1-20250923

1
2
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11
12
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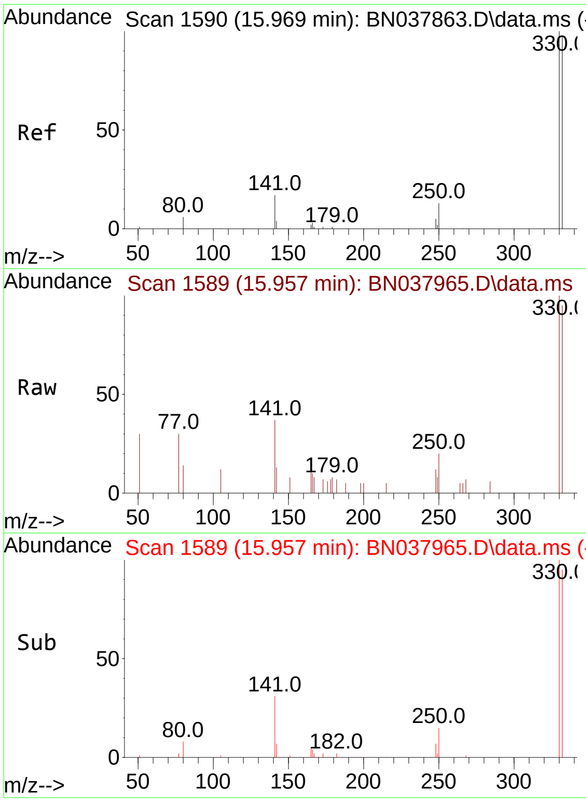
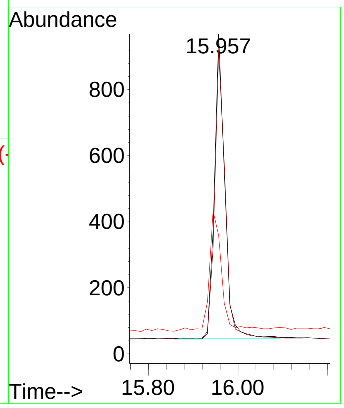
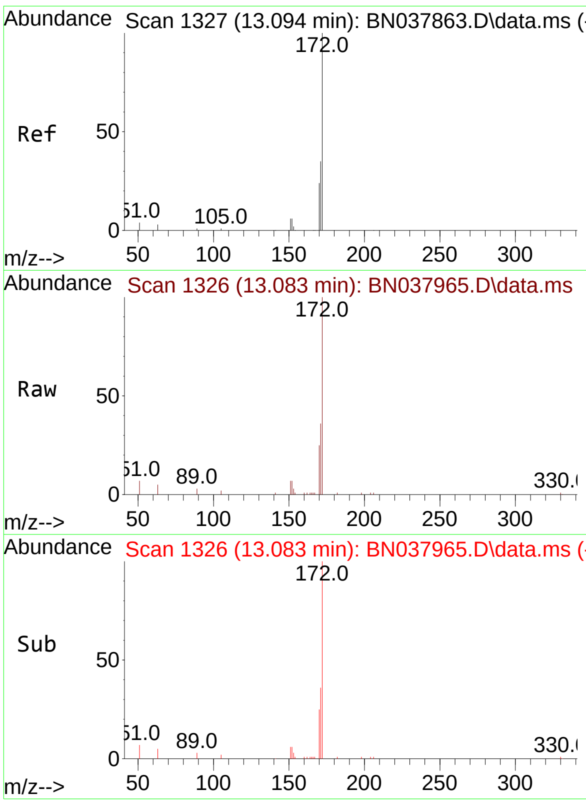


#14
2,4,6-Tribromophenol
Concen: 0.337 ng
RT: 15.957 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037965.D
Acq: 01 Oct 2025 03:35

Tgt Ion:330 Resp: 1491

Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.2	115.8
141	44.1	37.2	55.8

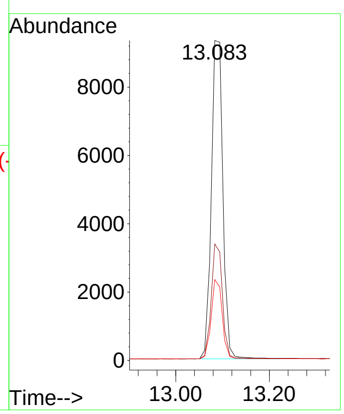




#15
2-Fluorobiphenyl
Concen: 0.336 ng
RT: 13.083 min Scan# 1326
Delta R.T. -0.011 min
Lab File: BN037965.D
Acq: 01 Oct 2025 03:35

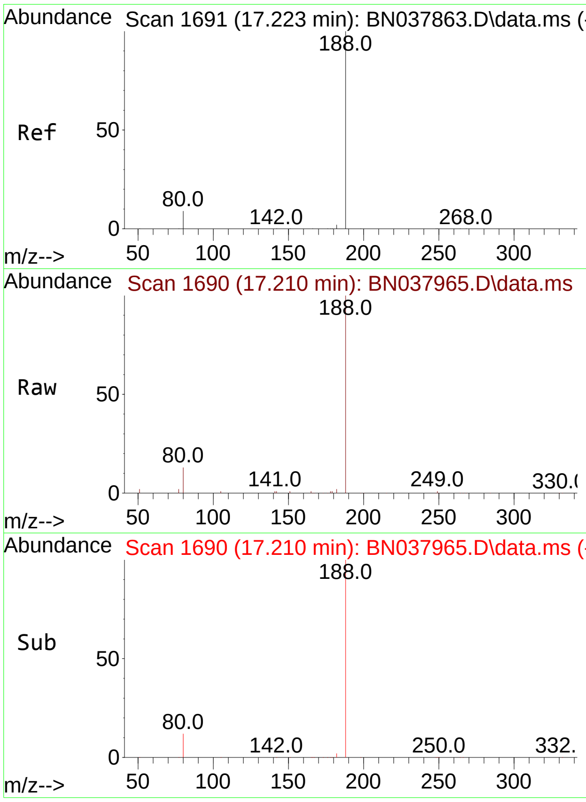
Tgt Ion:172 Resp: 16028

Ion	Ratio	Lower	Upper
172	100		
171	36.4	28.6	43.0
170	25.3	19.7	29.5



Instrument :
BNA_N
ClientSampleId :
RW8-MW01D1-20250923

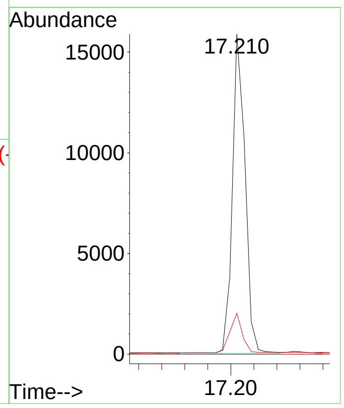
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

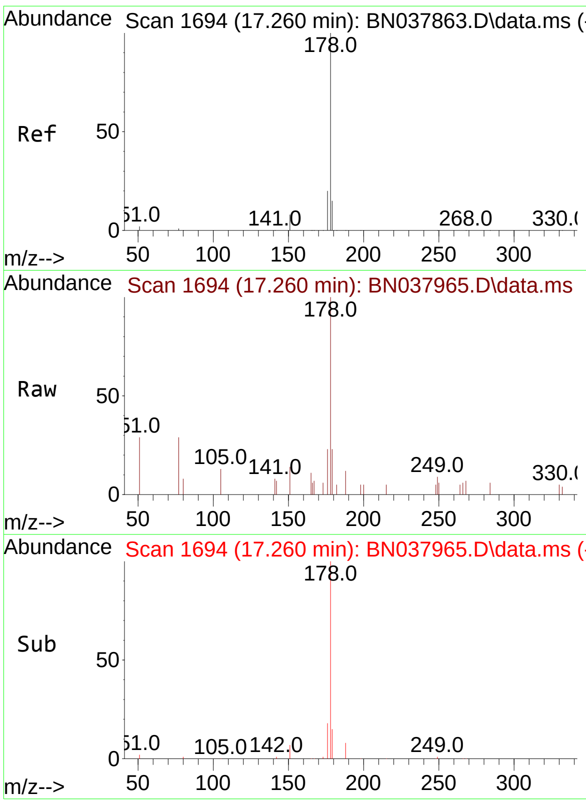


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.210 min Scan# 1(
Delta R.T. -0.013 min
Lab File: BN037965.D
Acq: 01 Oct 2025 03:35

Tgt Ion:188 Resp: 24178

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	12.8	7.6	11.4#

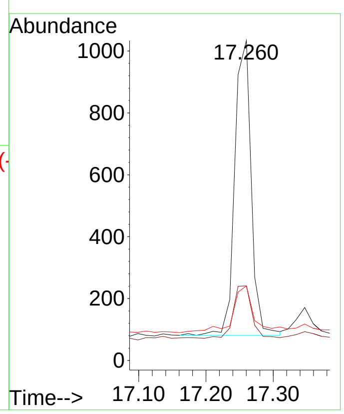




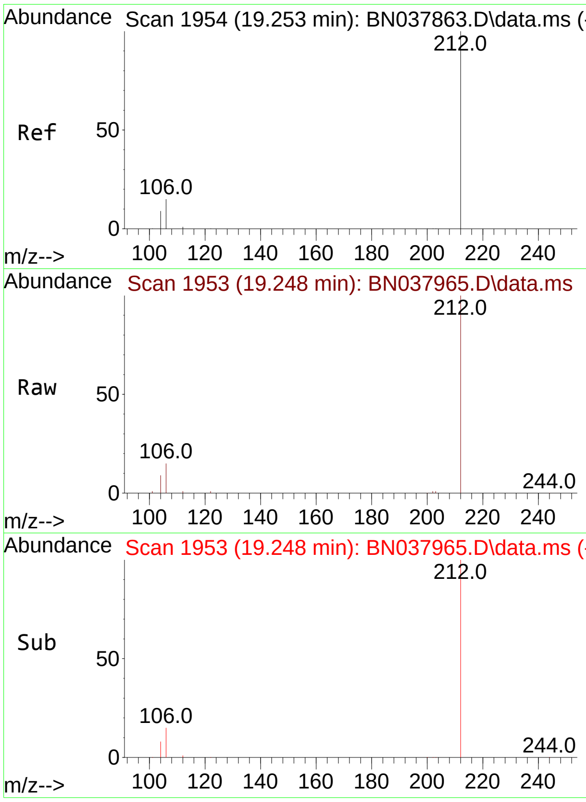
#25
Phenanthrene
Concen: 0.020 ng
RT: 17.260 min Scan# 1694
Delta R.T. -0.000 min
Lab File: BN037965.D
Acq: 01 Oct 2025 03:35

Tgt Ion:178 Resp: 1629

Ion	Ratio	Lower	Upper
178	100		
176	20.4	15.7	23.5
179	20.9	12.3	18.5#



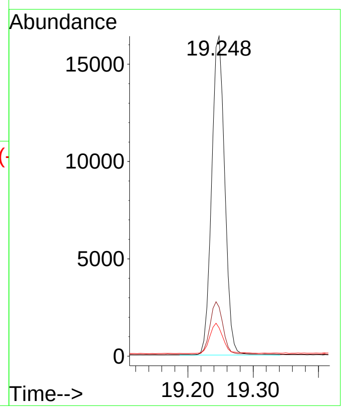
Instrument : BNA_N
ClientSampleId : RW8-MW01D1-20250923

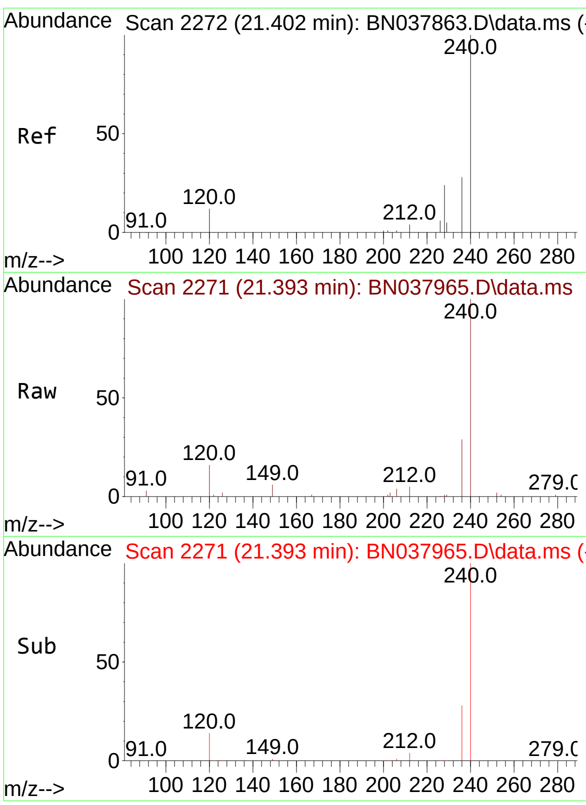


#27
Fluoranthene-d10
Concen: 0.376 ng
RT: 19.248 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN037965.D
Acq: 01 Oct 2025 03:35

Tgt Ion:212 Resp: 22864

Ion	Ratio	Lower	Upper
212	100		
106	16.4	12.6	19.0
104	9.6	7.4	11.0

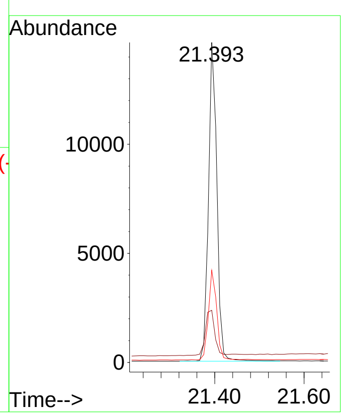




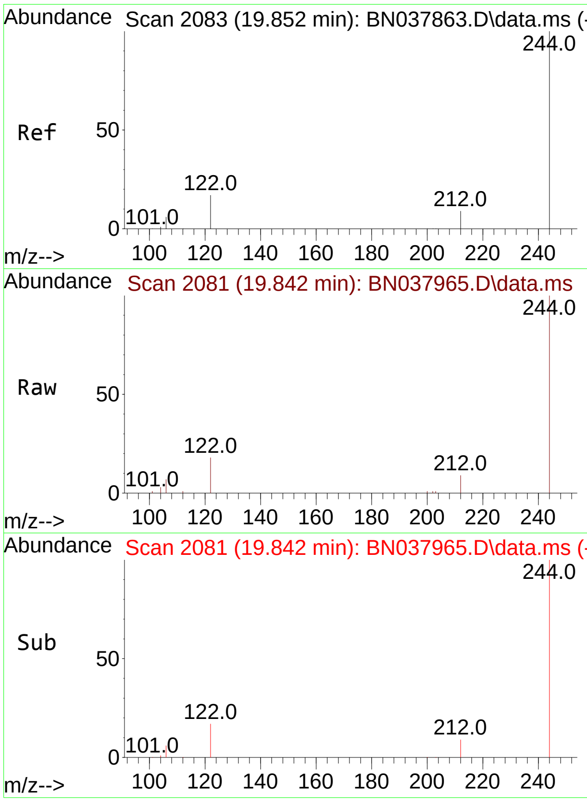
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.393 min Scan# 2271
Delta R.T. -0.009 min
Lab File: BN037965.D
Acq: 01 Oct 2025 03:35

Tgt Ion:240 Resp: 19146

Ion	Ratio	Lower	Upper
240	100		
120	16.3	11.4	17.2
236	28.8	23.0	34.6

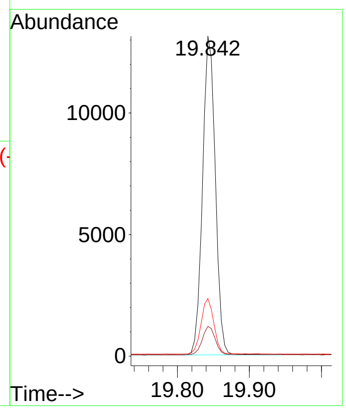


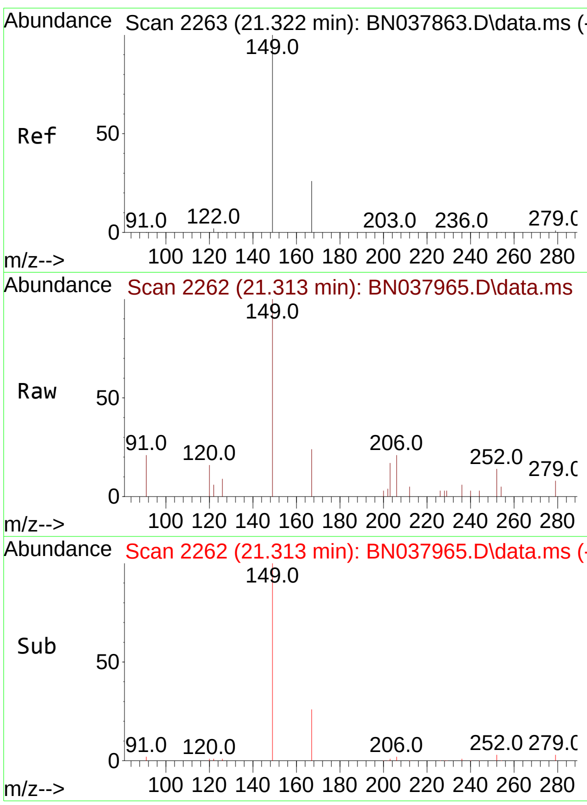
Instrument :
BNA_N
ClientSampleId :
RW8-MW01D1-20250923




```
#31
Terphenyl-d14
Concen:    0.425 ng
RT:  19.842 min  Scan# 20
Delta R.T.   -0.009 min
Lab File:    BN037965.D
Acq: 01 Oct 2025  03:35

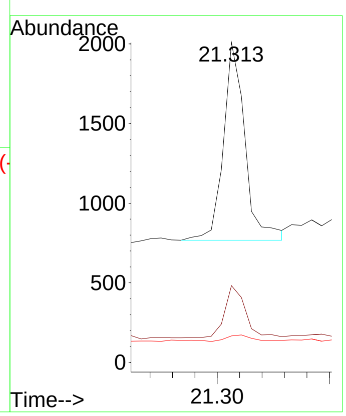
Tgt Ion:244 Resp:   16215
Ion  Ratio  Lower  Upper
244  100
212    9.3    7.6   11.4
122   18.0   13.9   20.9
```

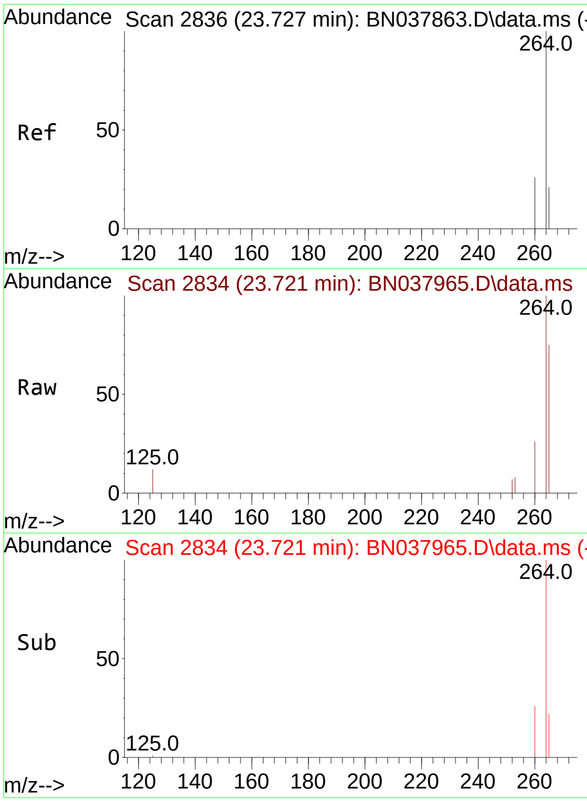





```
#34
Bis(2-ethylhexyl)phthalate
Concen:    0.063 ng
RT:  21.313 min  Scan# 2262
Delta R.T.   -0.009 min
Lab File:    BN037965.D
Acq: 01 Oct 2025  03:35

Tgt Ion:149 Resp:    1666
Ion  Ratio  Lower  Upper
149  100
167   25.2   20.4   30.6
279    3.9    2.4    3.6#
```



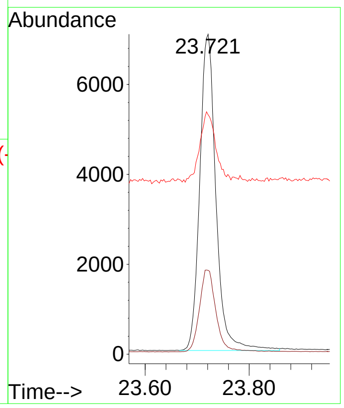


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.721 min Scan# 28
Delta R.T. -0.006 min
Lab File: BN037965.D
Acq: 01 Oct 2025 03:35

Instrument :
BNA_N
ClientSampleId :
RW8-MW01D1-20250923

Tgt Ion:264 Resp: 15180

Ion	Ratio	Lower	Upper
264	100		
260	26.2	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:	09/23/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258			Date Received:	09/24/25
Client Sample ID:	DUP11-20250923			SDG No.:	Q3193
Lab Sample ID:	Q3193-15			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
BN037966.D	1	09/29/25 08:43	10/01/25 04:12	PB169886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.51		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	0.34		30 - 150		84%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.32		55 - 111		79%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.33		53 - 106		81%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.46		58 - 132		115%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7430	7.811				
1146-65-2	Naphthalene-d8	21000	10.616				
15067-26-2	Acenaphthene-d10	10700	14.462				
1517-22-2	Phenanthrene-d10	20900	17.211				
1719-03-5	Chrysene-d12	13600	21.393				
1520-96-3	Perylene-d12	11900	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\BN093025\
Data File : BN037966.D
Acq On : 01 Oct 2025 04:12
Operator : RC/JU
Sample : Q3193-15
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DUP11-20250923

Quant Time: Oct 01 05:25:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : 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	7425	0.400	ng	-0.01
7) Naphthalene-d8	10.616	136	21029	0.400	ng	-0.01
13) Acenaphthene-d10	14.462	164	10680	0.400	ng	-0.01
19) Phenanthrene-d10	17.211	188	20869	0.400	ng	#-0.01
29) Chrysene-d12	21.393	240	13568	0.400	ng	# 0.00
35) Perylene-d12	23.721	264	11917	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.384	112	3176	0.187	ng	0.00
5) Phenol-d6	6.966	99	2633	0.118	ng	0.00
8) Nitrobenzene-d5	8.961	82	5105	0.318	ng	-0.01
11) 2-Methylnaphthalene-d10	12.207	152	8997	0.308	ng	-0.01
14) 2,4,6-Tribromophenol	15.957	330	1182	0.292	ng	-0.01
15) 2-Fluorobiphenyl	13.083	172	14270	0.326	ng	-0.01
27) Fluoranthene-d10	19.248	212	17653	0.336	ng	0.00
31) Terphenyl-d14	19.843	244	12395	0.459	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.290	88	3829	0.508	ng	# 94
34) Bis(2-ethylhexyl)phtha...	21.313	149	1426	0.076	ng	# 96

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

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

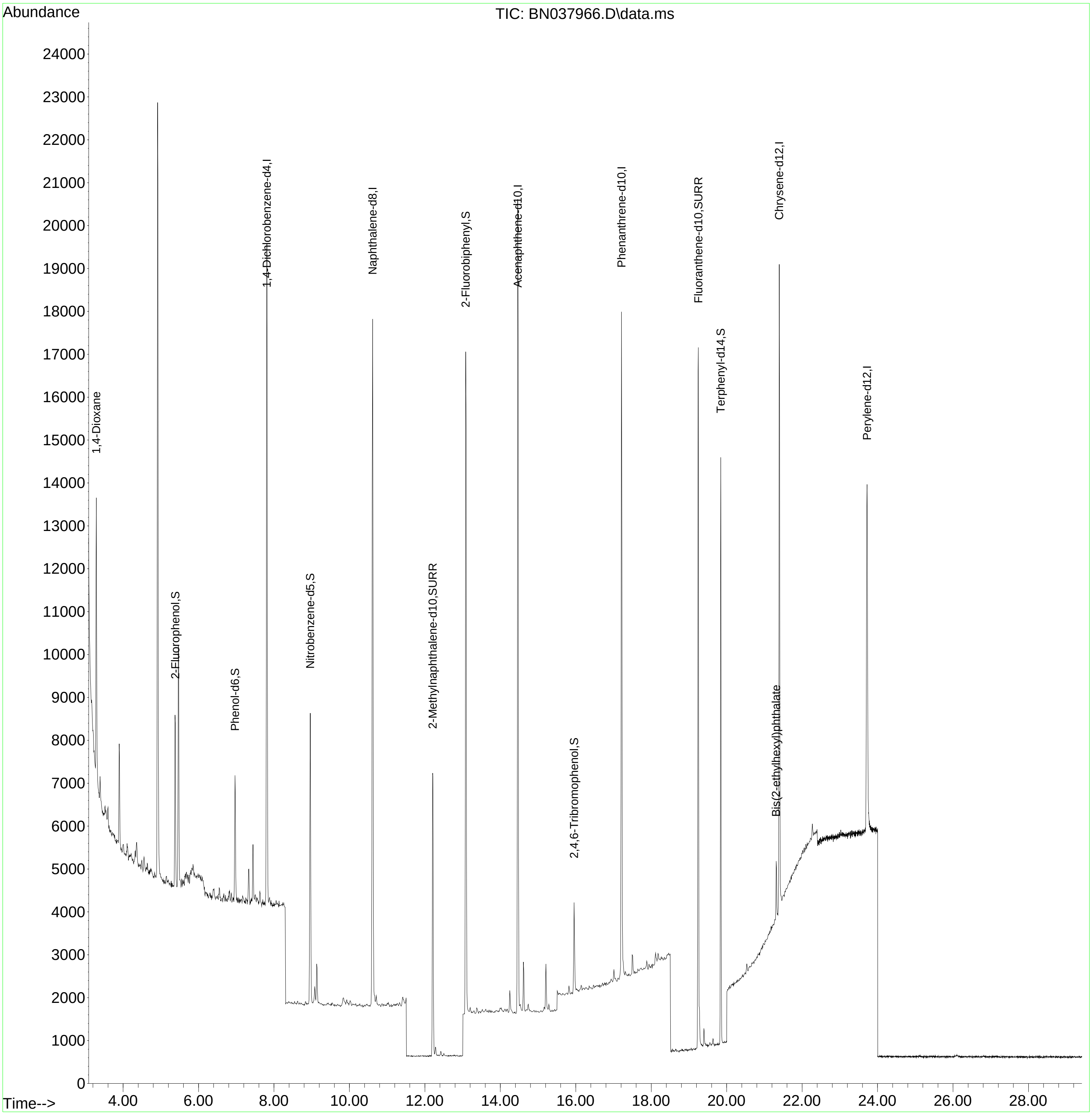
Quantitation Report (QT Reviewed)

Sample Results: **BN037966.D**

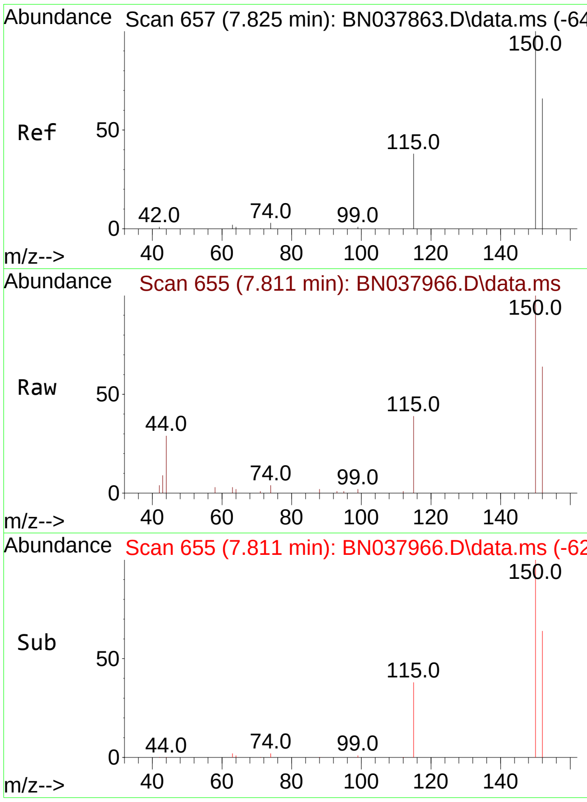
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN093025\
Data File : BN037966.D
Acq On : 01 Oct 2025 04:12
Operator : RC/JU
Sample : Q3193-15
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DUP11-20250923

Quant Time: Oct 01 05:25:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration



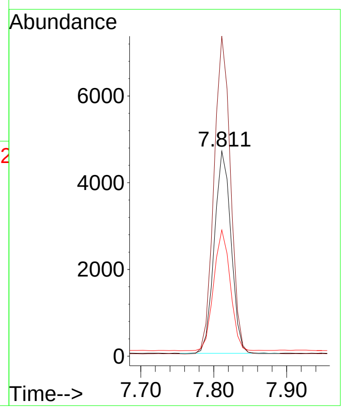
Instrument :
BNA_N
ClientSampleId :
DUP11-20250923

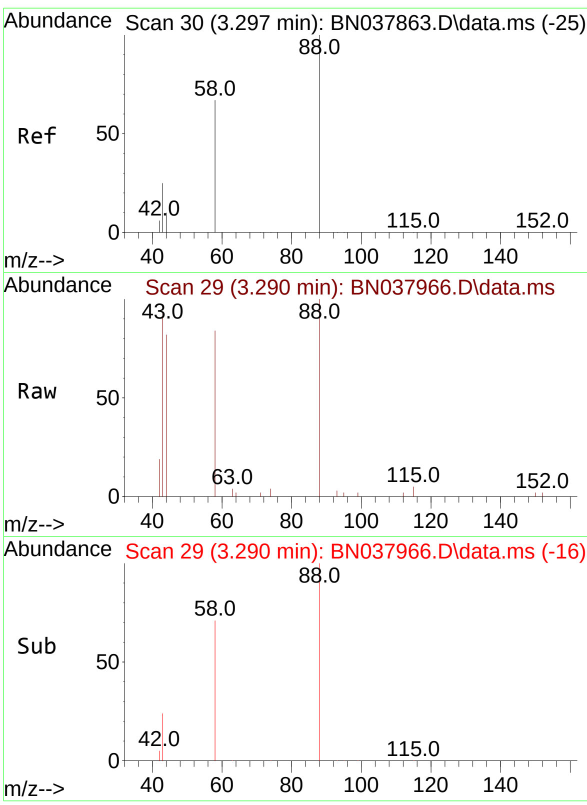


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.811 min Scan# 6
Delta R.T. -0.014 min
Lab File: BN037966.D
Acq: 01 Oct 2025 04:12

Tgt Ion:152 Resp: 7425

Ion	Ratio	Lower	Upper
152	100		
150	156.0	121.0	181.4
115	61.6	47.4	71.0

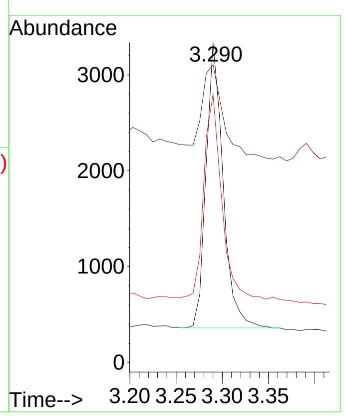




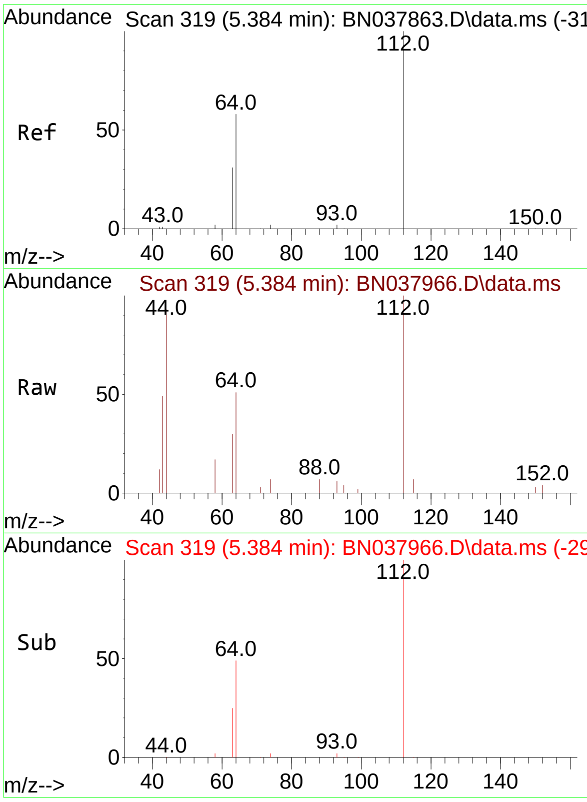
#2
1,4-Dioxane
Concen: 0.508 ng
RT: 3.290 min Scan# 29
Delta R.T. -0.007 min
Lab File: BN037966.D
Acq: 01 Oct 2025 04:12

Tgt Ion: 88 Resp: 3829

Ion	Ratio	Lower	Upper
88	100		
43	42.2	26.6	39.8#
58	75.4	58.9	88.3



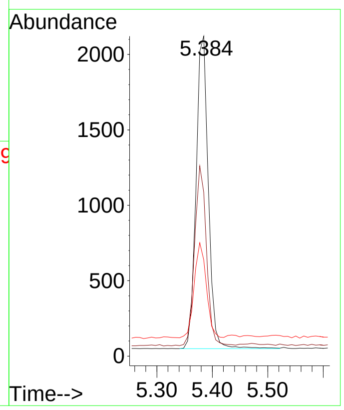
Instrument :
BNA_N
ClientSampleId :
DUP11-20250923

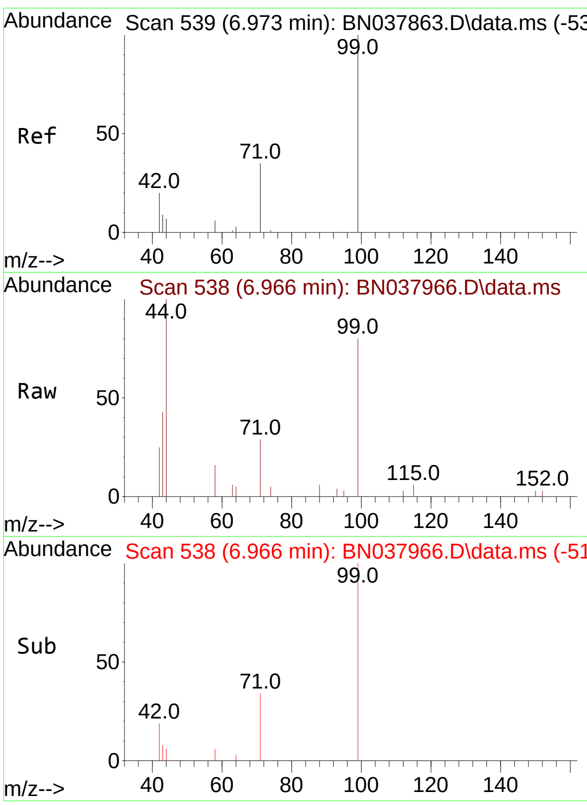


#4
2-Fluorophenol
Concen: 0.187 ng
RT: 5.384 min   Scan# 31
Delta R.T.   0.000 min
Lab File: BN037966.D
Acq: 01 Oct 2025   04:12

Tgt Ion:112 Resp: 3176

Ion	Ratio	Lower	Upper
112	100		
64	55.9	44.6	66.8
63	29.9	24.9	37.3

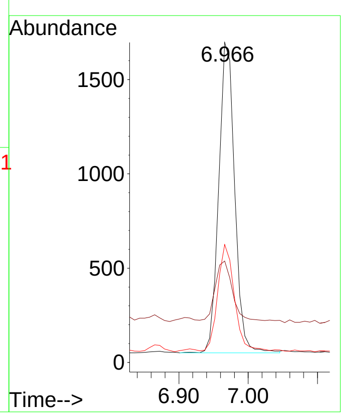




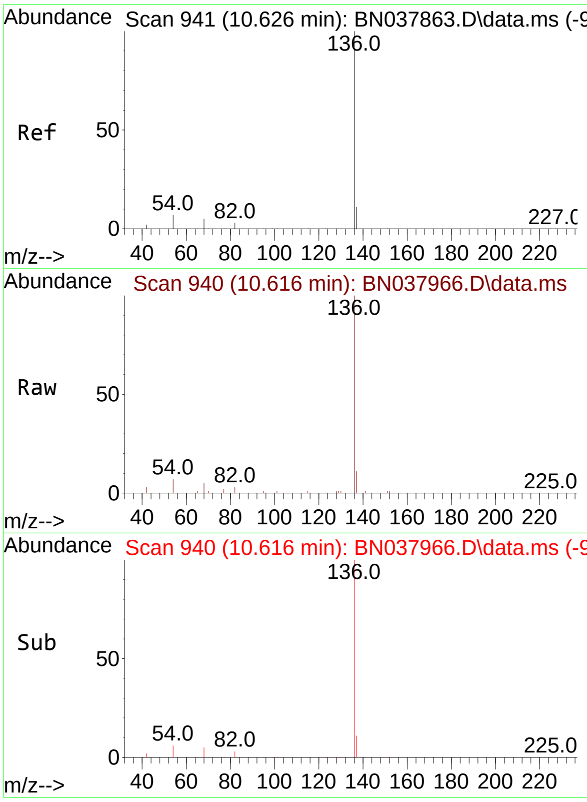
#5
Phenol-d6
Concen: 0.118 ng
RT: 6.966 min   Scan# 538
Delta R.T.   -0.007 min
Lab File: BN037966.D
Acq: 01 Oct 2025   04:12

Tgt Ion: 99 Resp: 2633

Ion	Ratio	Lower	Upper
99	100		
42	20.1	17.2	25.8
71	36.0	27.3	40.9



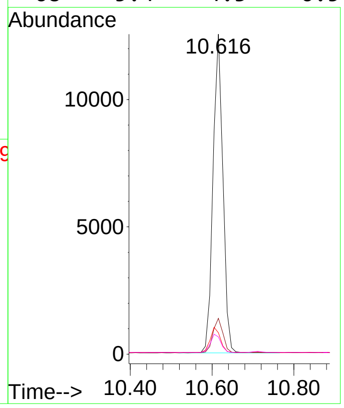
Instrument :
BNA_N
ClientSampleId :
DUP11-20250923

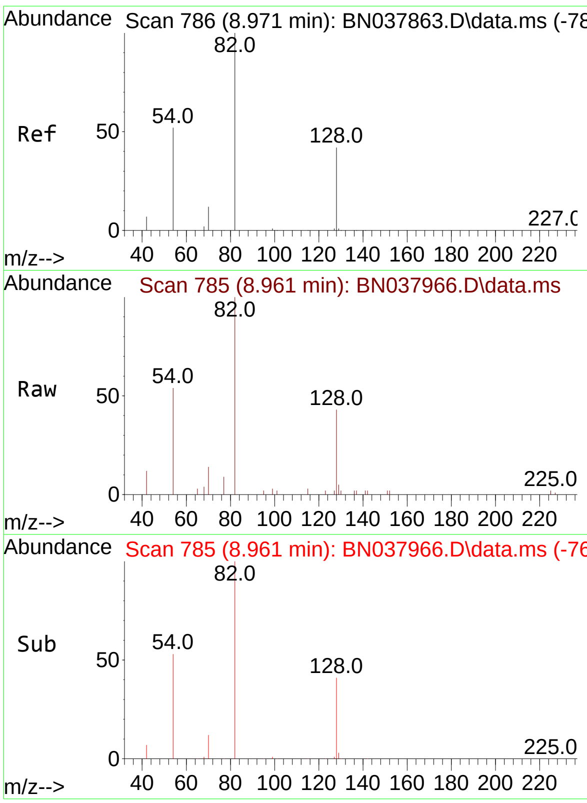


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.616 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037966.D
Acq: 01 Oct 2025 04:12

Tgt Ion:136 Resp: 21029

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	6.7	5.8	8.8
68	5.4	4.3	6.5

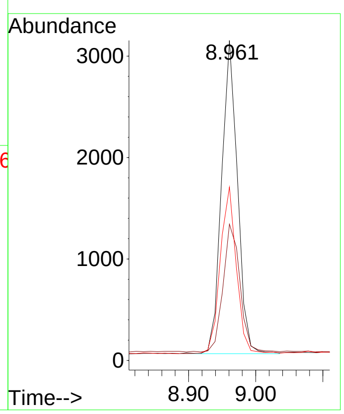




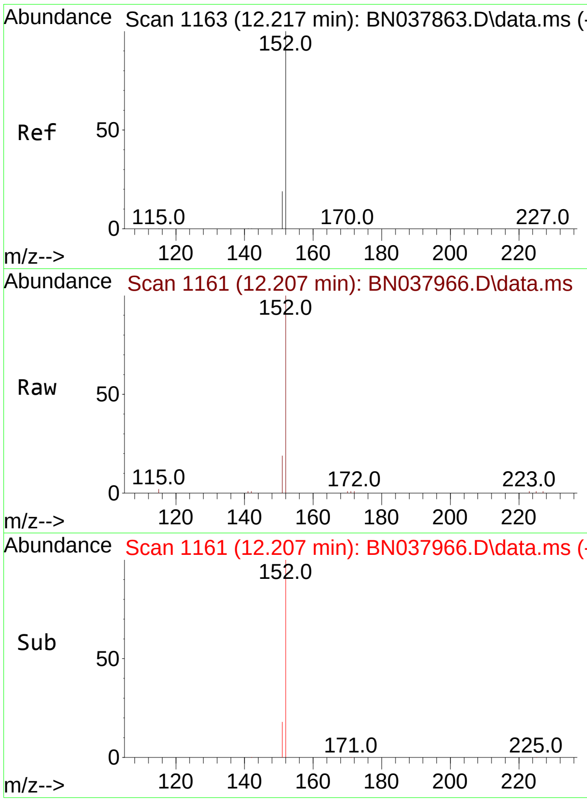
#8
Nitrobenzene-d5
Concen: 0.318 ng
RT: 8.961 min Scan# 785
Delta R.T. -0.011 min
Lab File: BN037966.D
Acq: 01 Oct 2025 04:12

Tgt Ion: 82 Resp: 5105

Ion	Ratio	Lower	Upper
82	100		
128	42.6	34.8	52.2
54	54.2	42.2	63.2

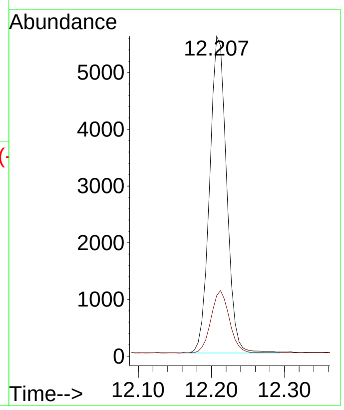


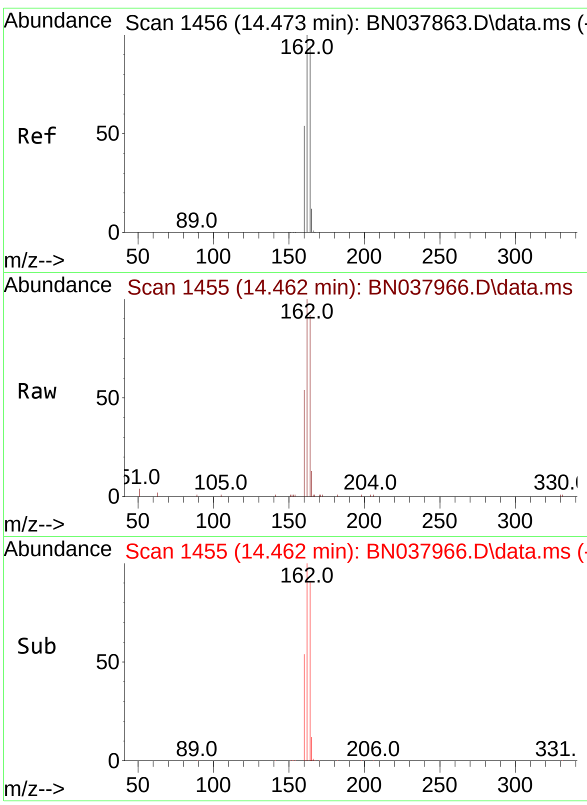
Instrument : BNA_N
ClientSampleId : DUP11-20250923




```
#11
2-Methylnaphthalene-d10
Concen:    0.308 ng
RT:  12.207 min  Scan# 1
Delta R.T.  -0.010 min
Lab File:   BN037966.D
Acq: 01 Oct 2025  04:12

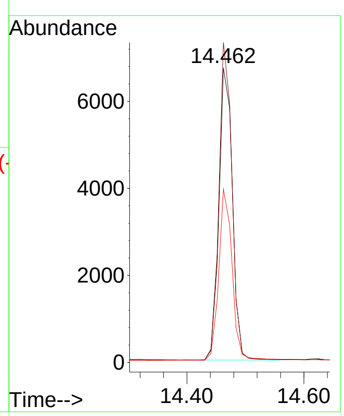
Tgt Ion:152 Resp:    8997
Ion  Ratio  Lower  Upper
152  100
151   21.3   17.4   26.2
```



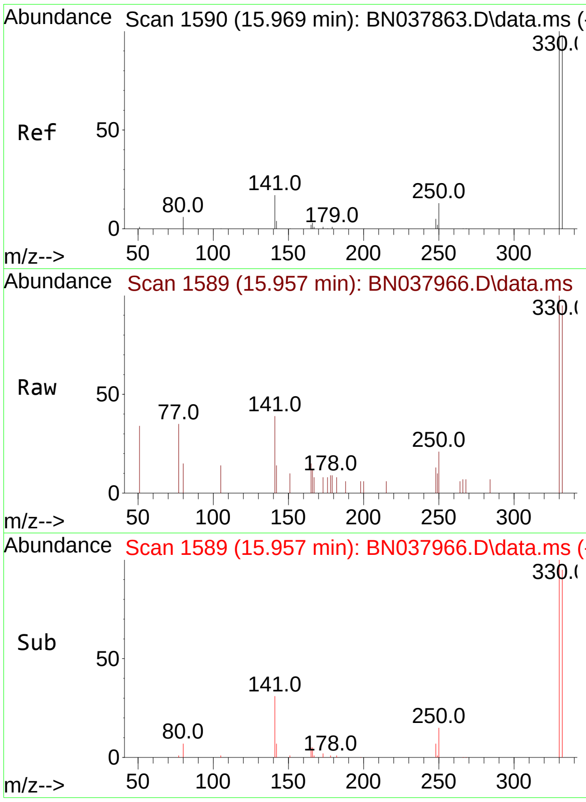



```
#13
Acenaphthene-d10
Concen:    0.400 ng
RT:  14.462 min  Scan# 1455
Delta R.T.  -0.011 min
Lab File:   BN037966.D
Acq: 01 Oct 2025  04:12

Tgt Ion:164 Resp:   10680
Ion  Ratio  Lower  Upper
164  100
162  108.6   84.8  127.2
160   58.8   46.1   69.1
```



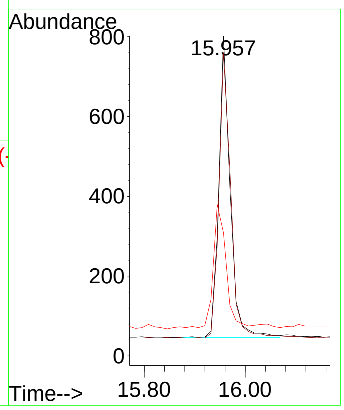
Instrument : BNA_N
ClientSampleId : DUP11-20250923

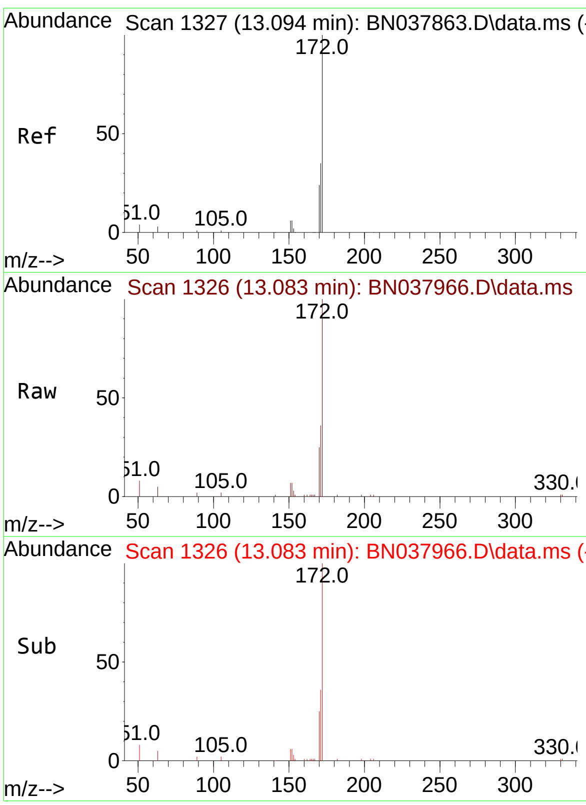


#14
2,4,6-Tribromophenol
Concen: 0.292 ng
RT: 15.957 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037966.D
Acq: 01 Oct 2025 04:12

Tgt Ion:330 Resp: 1182

Ion	Ratio	Lower	Upper
330	100		
332	98.3	77.2	115.8
141	45.8	37.2	55.8

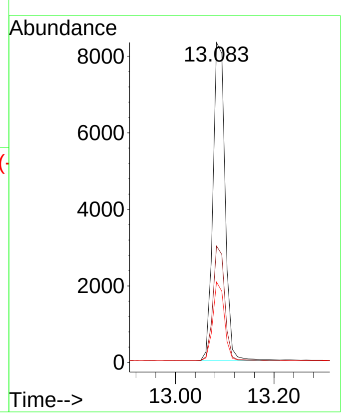




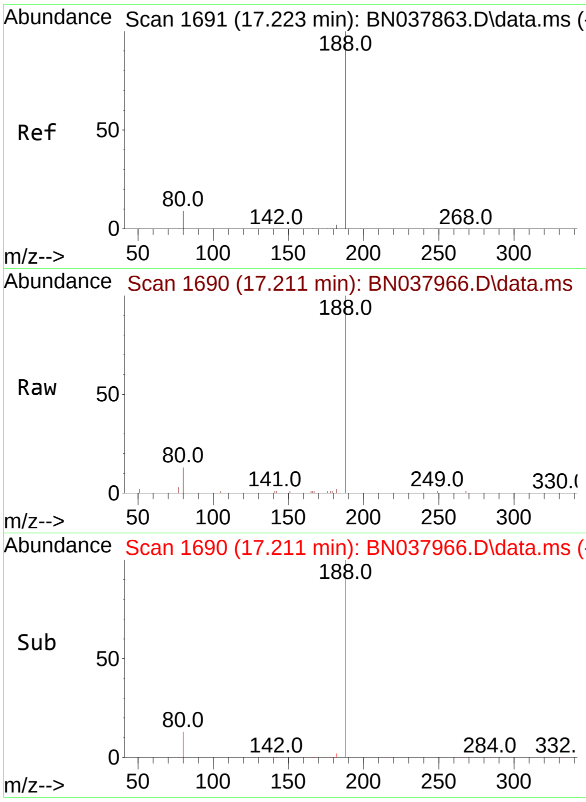
#15
2-Fluorobiphenyl
Concen: 0.326 ng
RT: 13.083 min Scan# 1326
Delta R.T. -0.011 min
Lab File: BN037966.D
Acq: 01 Oct 2025 04:12

Tgt Ion:172 Resp: 14270

Ion	Ratio	Lower	Upper
172	100		
171	36.4	28.6	43.0
170	25.1	19.7	29.5



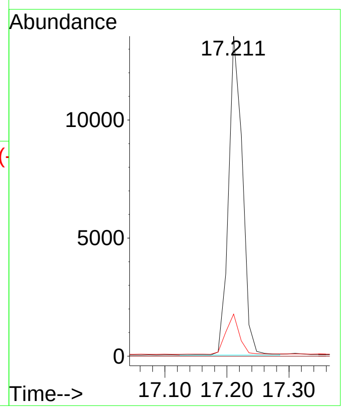
Instrument :
BNA_N
ClientSampleId :
DUP11-20250923

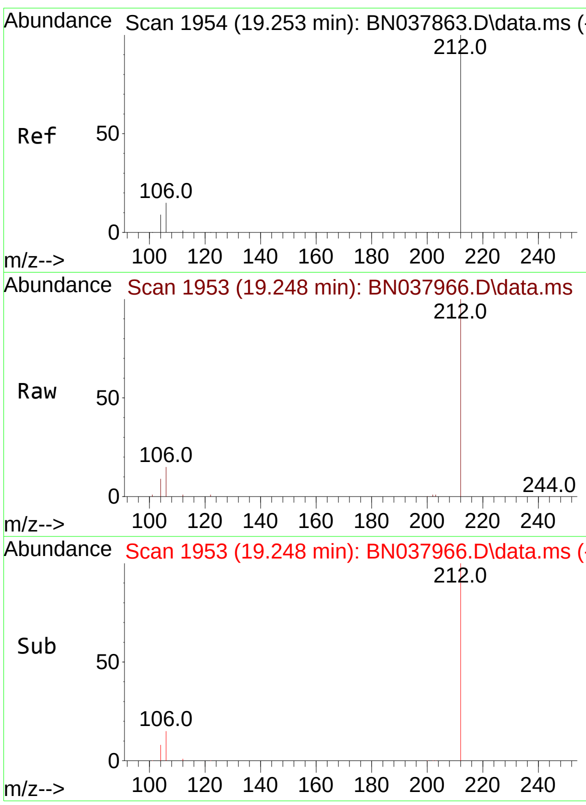


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.211 min Scan# 1(
Delta R.T. -0.012 min
Lab File: BN037966.D
Acq: 01 Oct 2025 04:12

Tgt Ion:188 Resp: 20869

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	13.2	7.6	11.4#

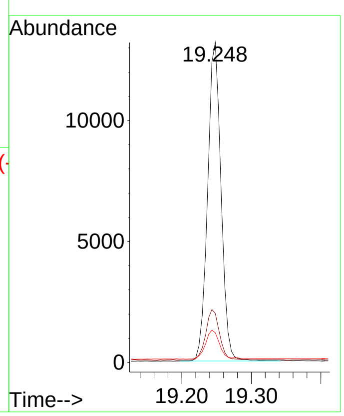




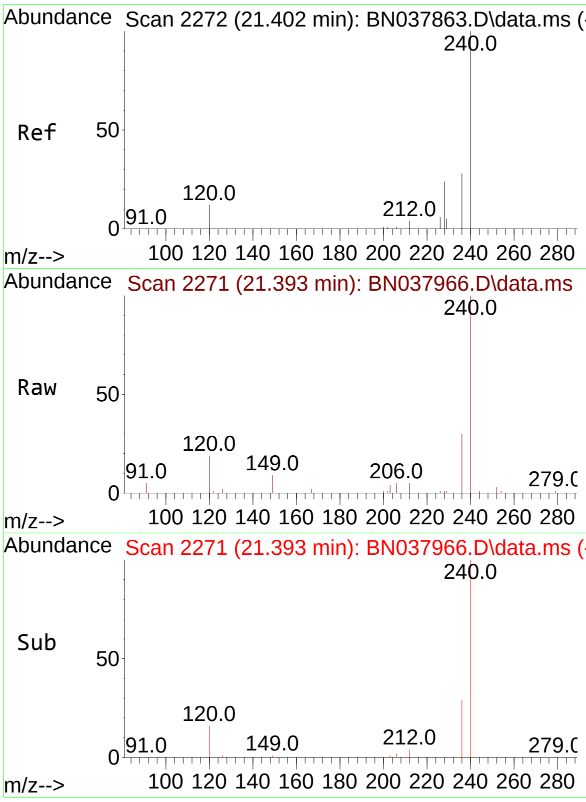
#27
Fluoranthene-d10
Concen: 0.336 ng
RT: 19.248 min Scan# 1953
Delta R.T. -0.005 min
Lab File: BN037966.D
Acq: 01 Oct 2025 04:12

Tgt Ion:212 Resp: 17653

Ion	Ratio	Lower	Upper
212	100		
106	16.2	12.6	19.0
104	9.6	7.4	11.0



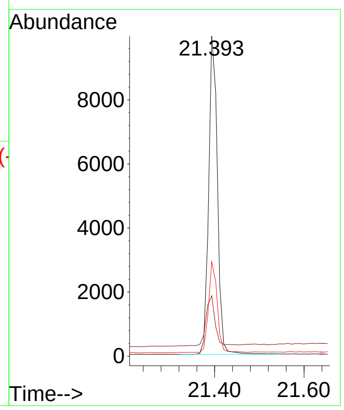
Instrument :
BNA_N
ClientSampleId :
DUP11-20250923

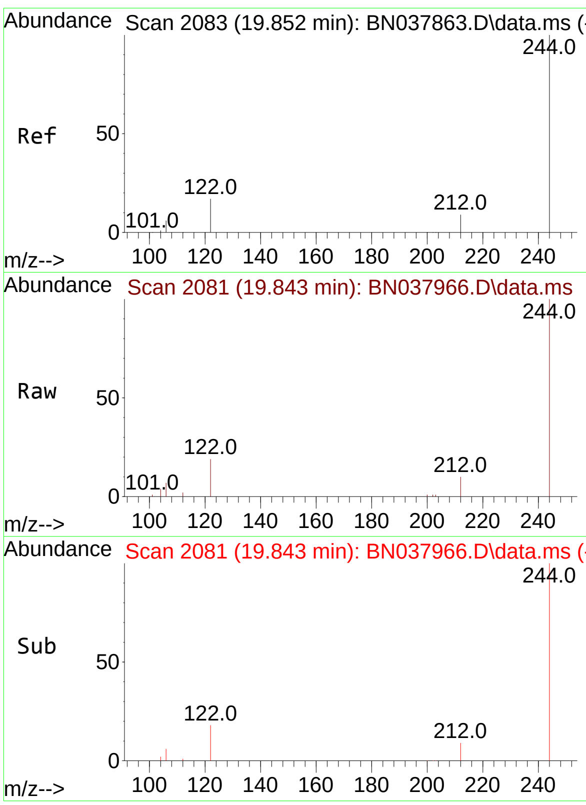


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.393 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037966.D
Acq: 01 Oct 2025 04:12

Tgt Ion:240 Resp: 13568

Ion	Ratio	Lower	Upper
240	100		
120	18.8	11.4	17.2#
236	29.5	23.0	34.6

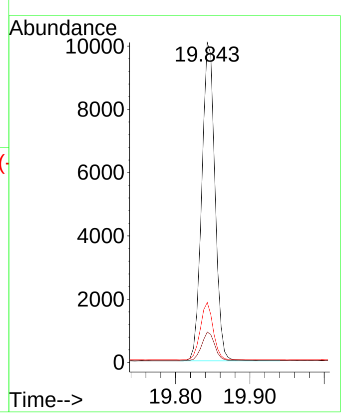




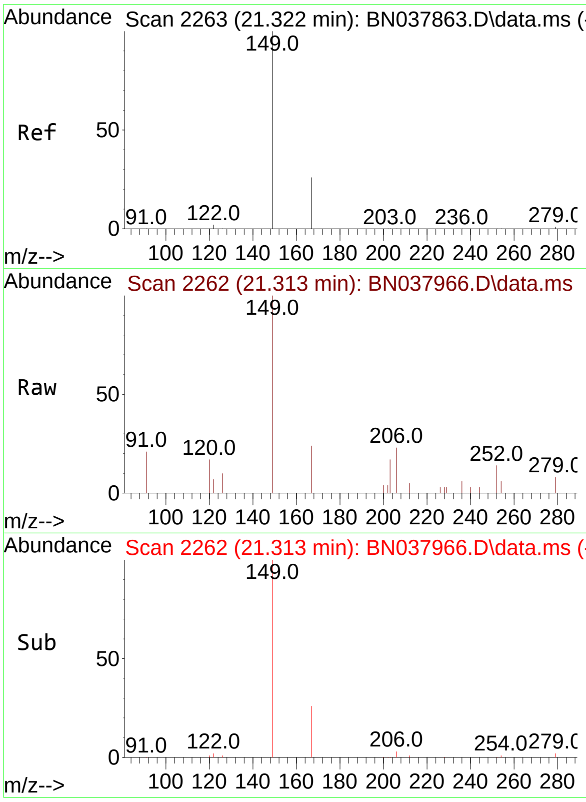
#31
Terphenyl-d14
Concen: 0.459 ng
RT: 19.843 min Scan# 2081
Delta R.T. -0.009 min
Lab File: BN037966.D
Acq: 01 Oct 2025 04:12

Tgt Ion:244 Resp: 12395

Ion	Ratio	Lower	Upper
244	100		
212	9.5	7.6	11.4
122	18.8	13.9	20.9



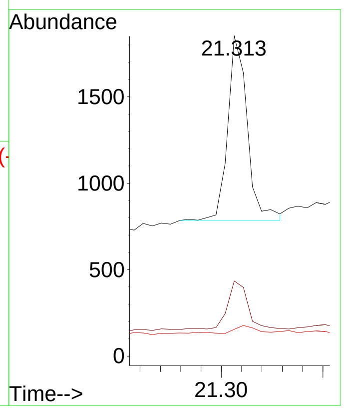
Instrument :
BNA_N
ClientSampleId :
DUP11-20250923

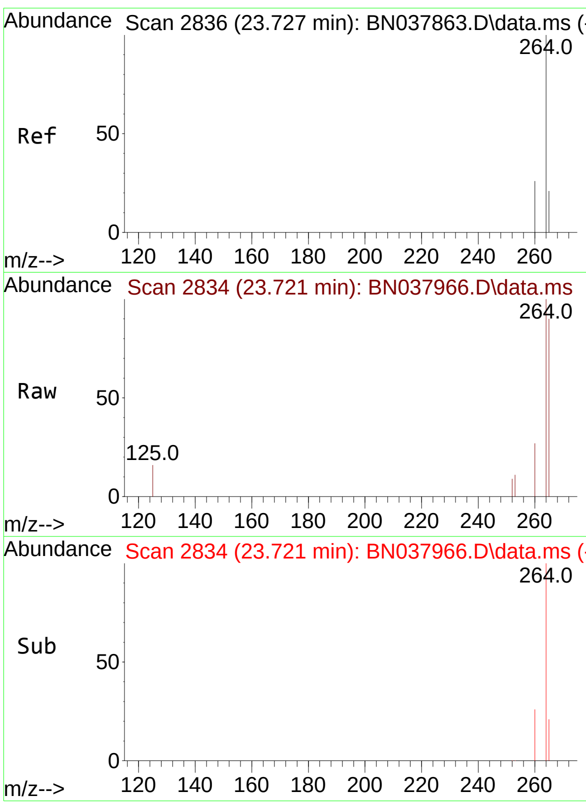


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.076 ng
RT: 21.313 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037966.D
Acq: 01 Oct 2025 04:12

Tgt Ion:149 Resp: 1426

Ion	Ratio	Lower	Upper
149	100		
167	27.6	20.4	30.6
279	4.5	2.4	3.6#

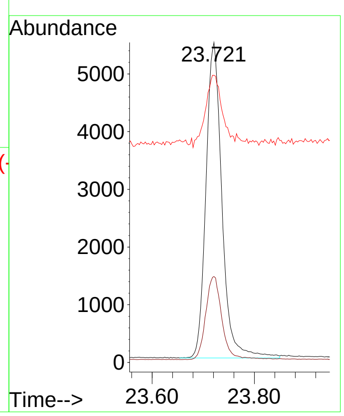




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.721 min Scan# 2834
Delta R.T. -0.006 min
Lab File: BN037966.D
Acq: 01 Oct 2025 04:12

Tgt Ion:264 Resp: 11917

Ion	Ratio	Lower	Upper
264	100		
260	26.9	21.5	32.3
265	89.7	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:	09/23/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25
Client Sample ID:	TT161S1-20250923		SDG No.:	Q3193
Lab Sample ID:	Q3193-16		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
BN037967.D	1	09/29/25 08:43	10/01/25 04:48	PB169886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.20	J	0.070	0.21	0.21	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.32		30 - 150		79%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.47		30 - 150		118%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.32		55 - 111		79%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.32		53 - 106		80%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.45		58 - 132		112%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7400	7.811				
1146-65-2	Naphthalene-d8	19700	10.616				
15067-26-2	Acenaphthene-d10	10800	14.462				
1517-22-2	Phenanthrene-d10	22800	17.211				
1719-03-5	Chrysene-d12	21700	21.393				
1520-96-3	Perylene-d12	18000	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

Sample Results: **BN037967.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN093025\
Data File : BN037967.D
Acq On : 01 Oct 2025 04:48
Operator : RC/JU
Sample : Q3193-16
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
TT161S1-20250923

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

Quant Time: Oct 01 05:26:03 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

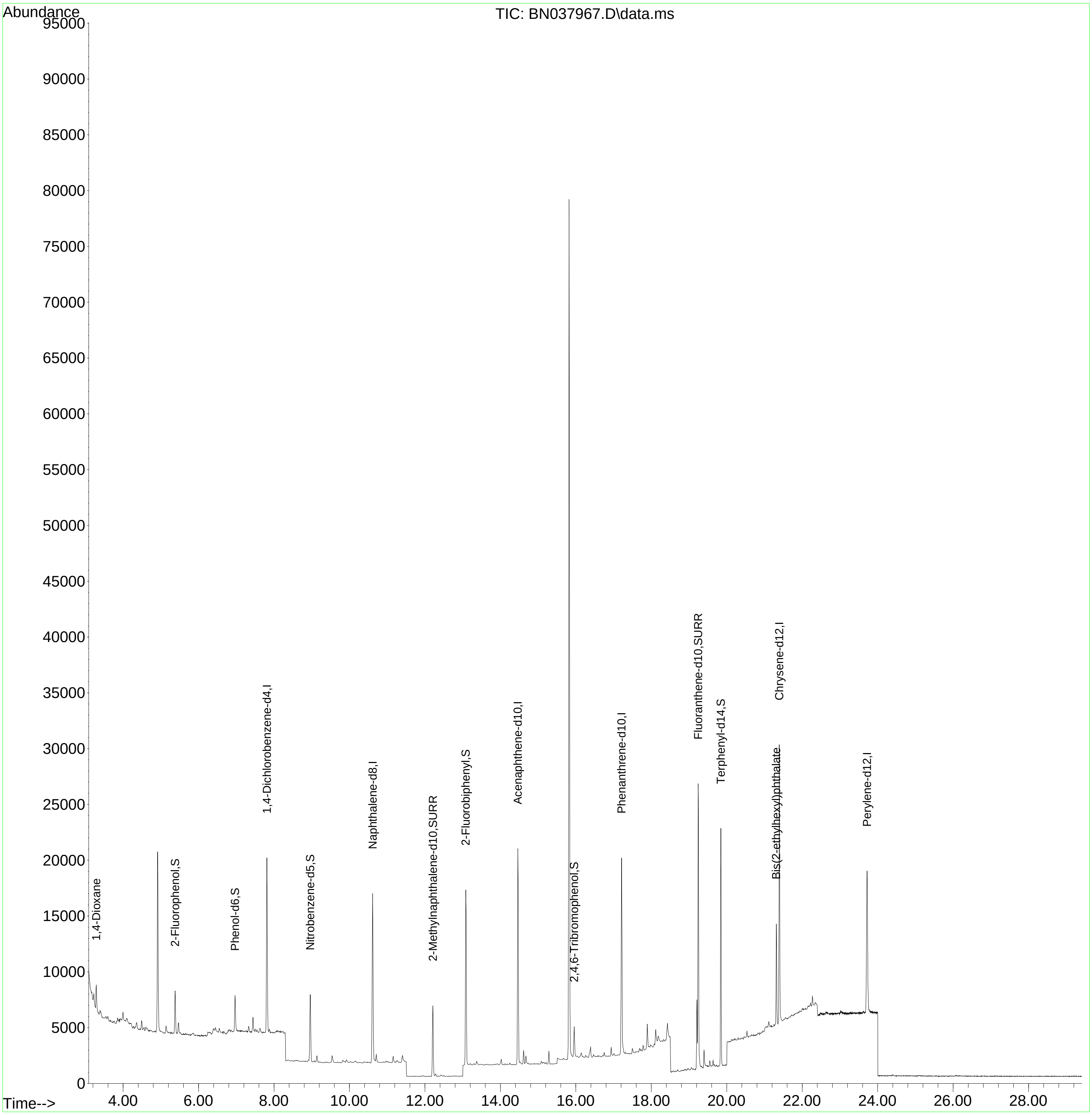
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	7.811	152	7403	0.400 ng	-0.01
7) Naphthalene-d8	10.616	136	19689	0.400 ng	-0.01
13) Acenaphthene-d10	14.462	164	10797	0.400 ng	-0.01
19) Phenanthrene-d10	17.211	188	22824	0.400 ng	#-0.01
29) Chrysene-d12	21.393	240	21668	0.400 ng	# 0.00
35) Perylene-d12	23.718	264	17961	0.400 ng	0.00
System Monitoring Compounds					
4) 2-Fluorophenol	5.377	112	3117	0.185 ng	0.00
5) Phenol-d6	6.966	99	3041	0.137 ng	0.00
8) Nitrobenzene-d5	8.961	82	4755	0.317 ng	-0.01
11) 2-Methylnaphthalene-d10	12.212	152	8672	0.317 ng	0.00
14) 2,4,6-Tribromophenol	15.957	330	1513	0.370 ng	-0.01
15) 2-Fluorobiphenyl	13.083	172	14113	0.319 ng	-0.01
27) Fluoranthene-d10	19.243	212	27087	0.472 ng	0.00
31) Terphenyl-d14	19.842	244	19246	0.446 ng	0.00
Target Compounds					Qvalue
2) 1,4-Dioxane	3.290	88	1435	0.191 ng	# 77
34) Bis(2-ethylhexyl)phtha...	21.313	149	8567	0.286 ng	# 99

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

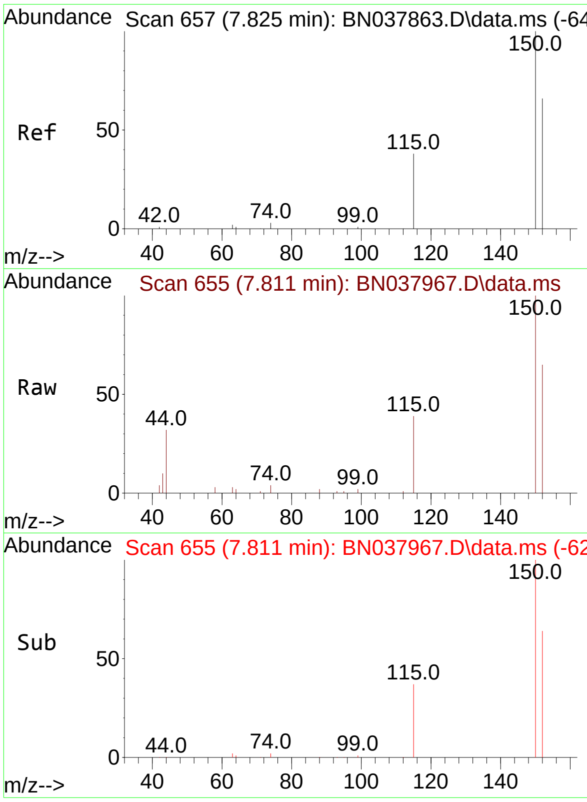
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN093025\
Data File : BN037967.D
Acq On : 01 Oct 2025 04:48
Operator : RC/JU
Sample : Q3193-16
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
TT161S1-20250923

Quant Time: Oct 01 05:26:03 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



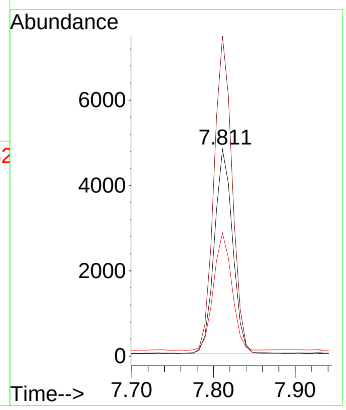
Instrument :
BNA_N
ClientSampleId :
TT161S1-20250923

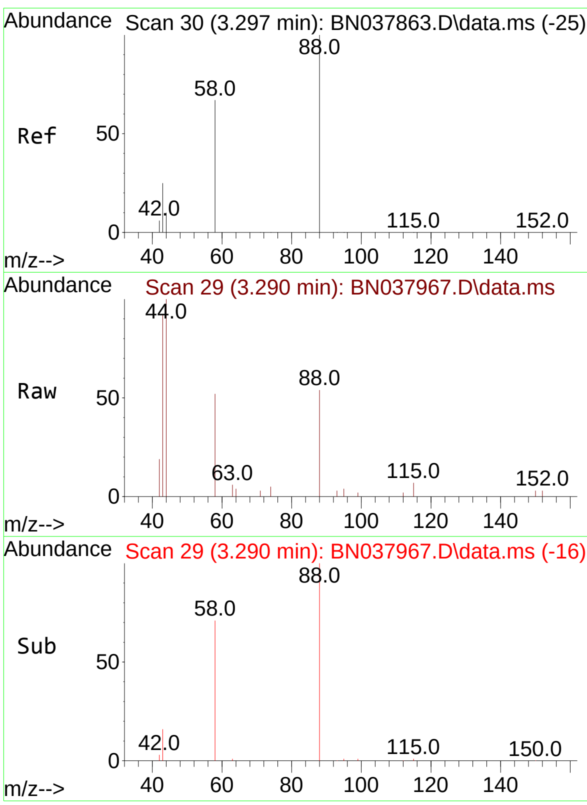


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.811 min Scan# 6
Delta R.T. -0.014 min
Lab File: BN037967.D
Acq: 01 Oct 2025 04:48

Tgt Ion:152 Resp: 7403

Ion	Ratio	Lower	Upper
152	100		
150	154.7	121.0	181.4
115	59.6	47.4	71.0

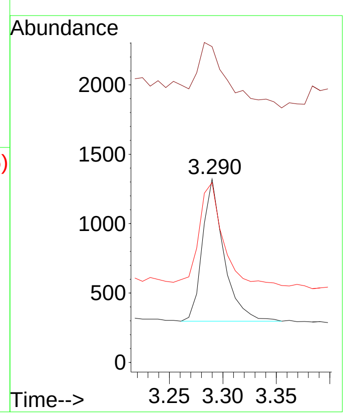




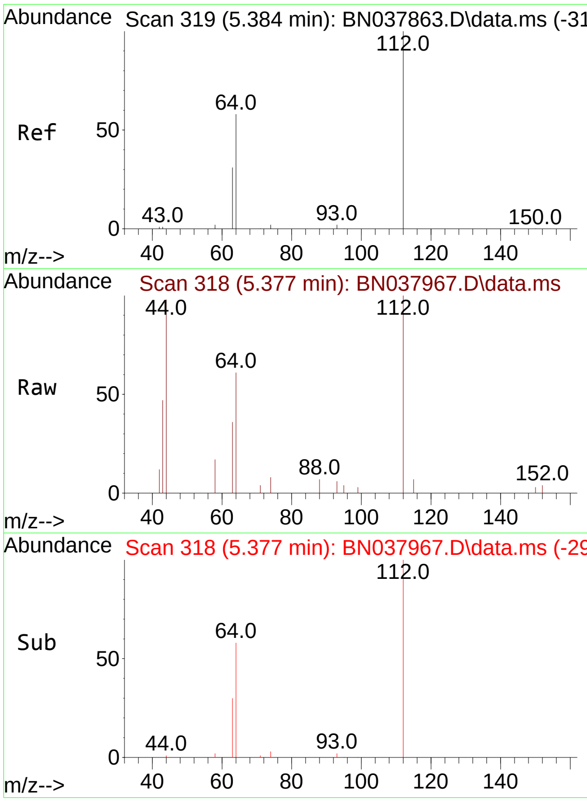
#2
1,4-Dioxane
Concen: 0.191 ng
RT: 3.290 min Scan# 29
Delta R.T. -0.007 min
Lab File: BN037967.D
Acq: 01 Oct 2025 04:48

Tgt Ion: 88 Resp: 1435

Ion	Ratio	Lower	Upper
88	100		
43	63.5	26.6	39.8#
58	82.0	58.9	88.3



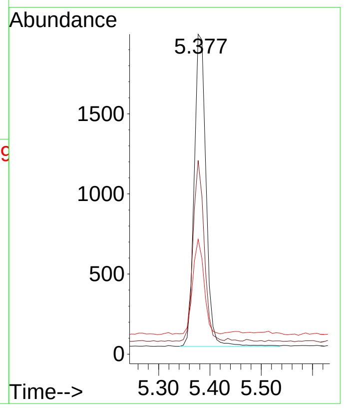
Instrument :
BNA_N
ClientSampleId :
TT161S1-20250923

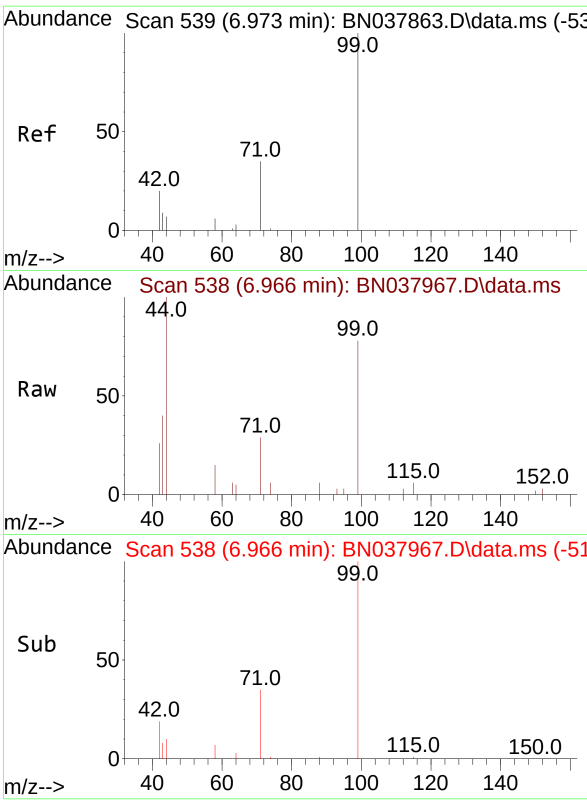


#4
2-Fluorophenol
Concen: 0.185 ng
RT: 5.377 min Scan# 31
Delta R.T. -0.007 min
Lab File: BN037967.D
Acq: 01 Oct 2025 04:48

Tgt Ion:112 Resp: 3117

Ion	Ratio	Lower	Upper
112	100		
64	54.6	44.6	66.8
63	28.5	24.9	37.3

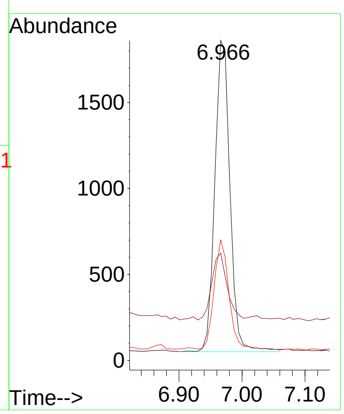




#5
Phenol-d6
Concen: 0.137 ng
RT: 6.966 min Scan# 538
Delta R.T. -0.007 min
Lab File: BN037967.D
Acq: 01 Oct 2025 04:48

Tgt Ion: 99 Resp: 3041

Ion	Ratio	Lower	Upper
99	100		
42	22.4	17.2	25.8
71	34.6	27.3	40.9



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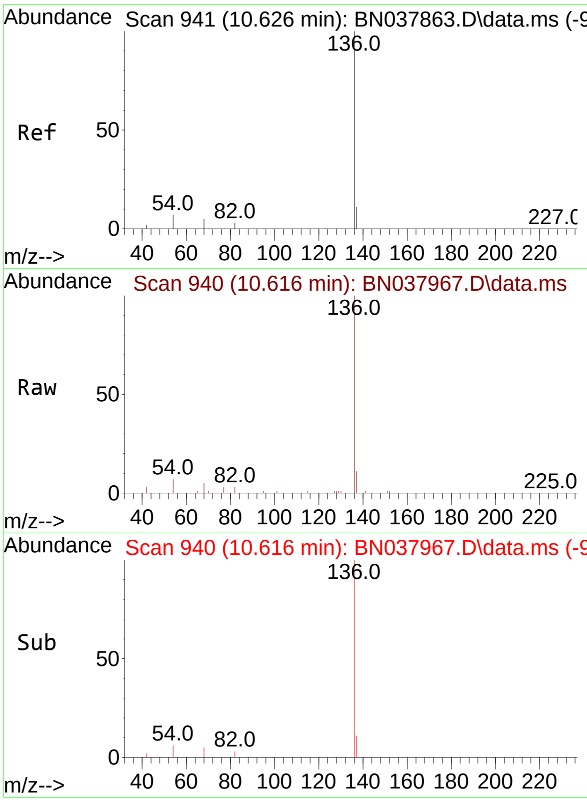
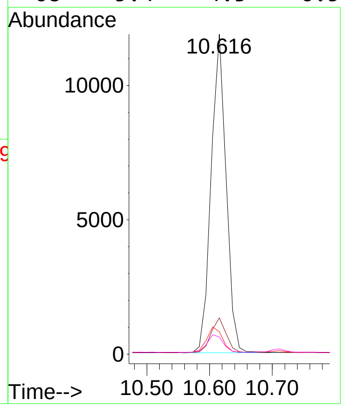
Instrument :
BNA_N
ClientSampleId :
TT161S1-20250923

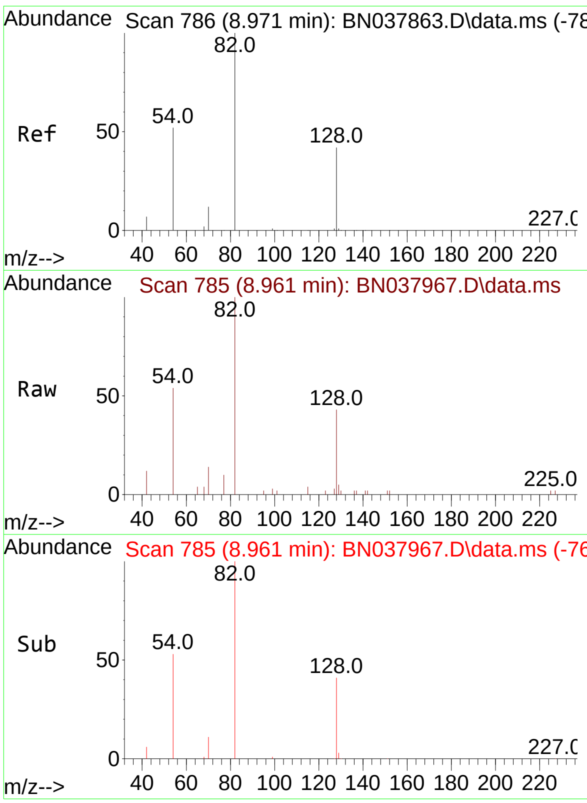


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.616 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037967.D
Acq: 01 Oct 2025 04:48

Tgt Ion:136 Resp: 19689

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.0	13.4
54	7.0	5.8	8.8
68	5.4	4.3	6.5

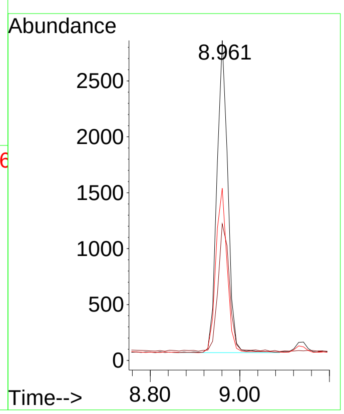




#8
Nitrobenzene-d5
Concen: 0.317 ng
RT: 8.961 min Scan# 785
Delta R.T. -0.011 min
Lab File: BN037967.D
Acq: 01 Oct 2025 04:48

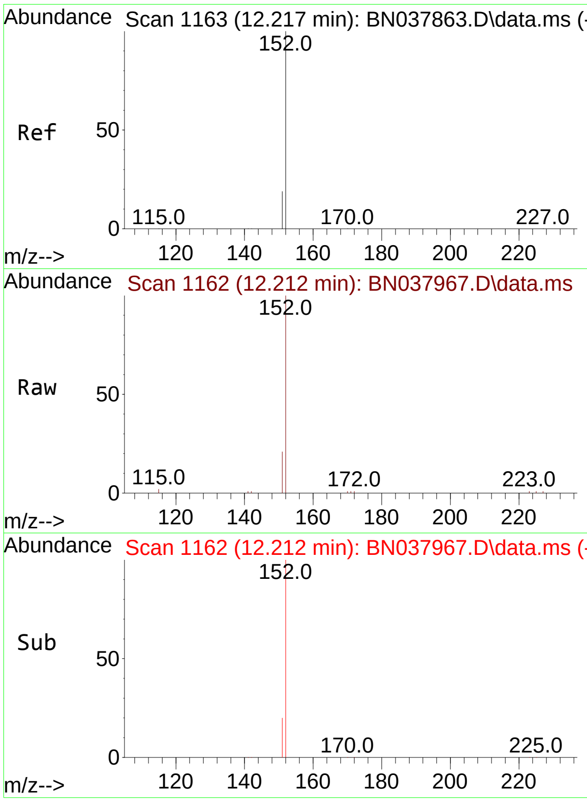
Tgt Ion: 82 Resp: 4755

Ion	Ratio	Lower	Upper
82	100		
128	42.7	34.8	52.2
54	53.8	42.2	63.2



Instrument :
BNA_N
ClientSampleId :
TT161S1-20250923

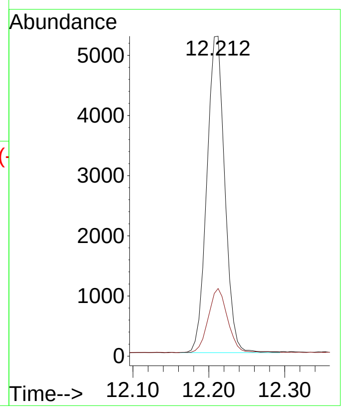
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

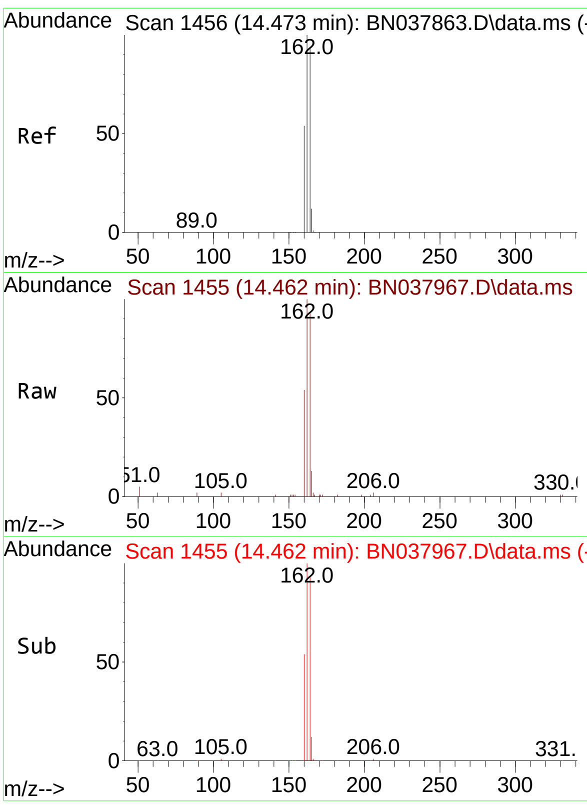


#11
2-Methylnaphthalene-d10
Concen: 0.317 ng
RT: 12.212 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN037967.D
Acq: 01 Oct 2025 04:48

Tgt Ion:152 Resp: 8672

Ion	Ratio	Lower	Upper
152	100		
151	21.8	17.4	26.2

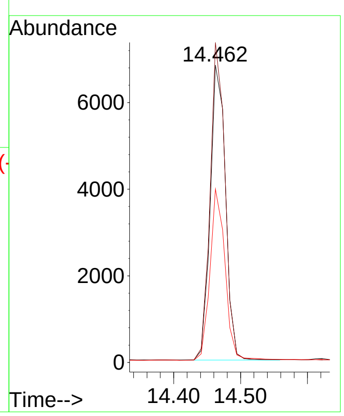




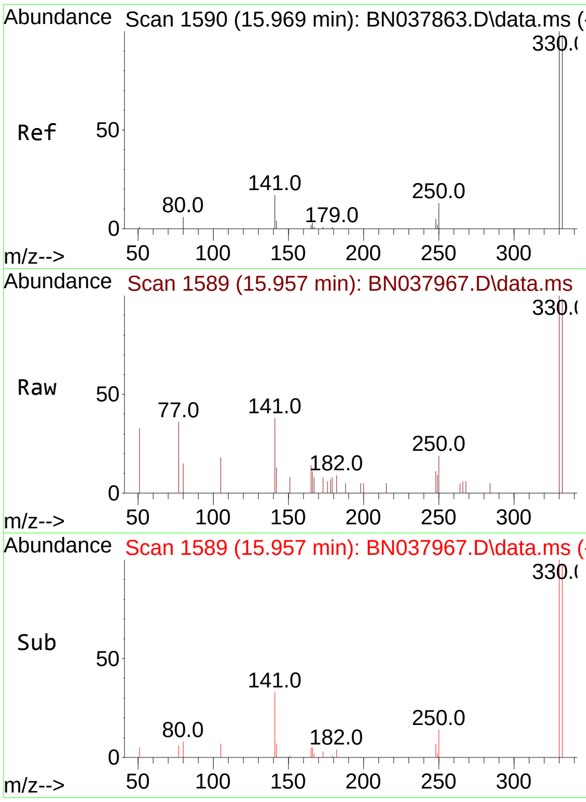
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.462 min Scan# 1455
Delta R.T. -0.011 min
Lab File: BN037967.D
Acq: 01 Oct 2025 04:48

Tgt Ion:164 Resp: 10797

Ion	Ratio	Lower	Upper
164	100		
162	107.6	84.8	127.2
160	58.3	46.1	69.1



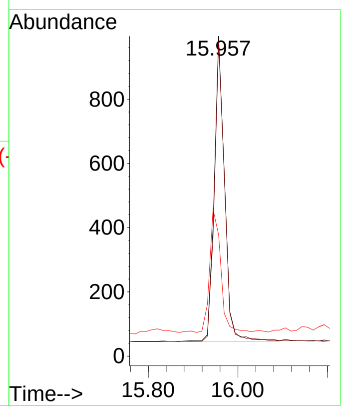
Instrument :
BNA_N
ClientSampleId :
TT161S1-20250923

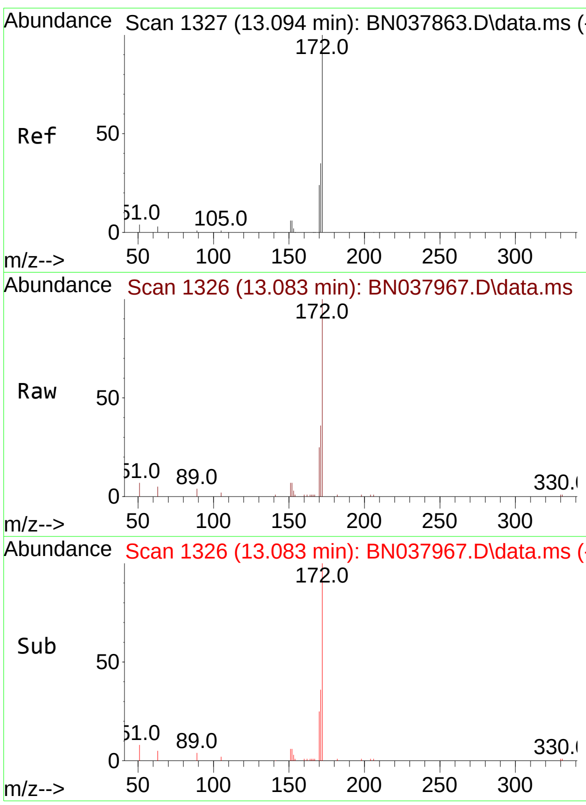


#14
2,4,6-Tribromophenol
Concen: 0.370 ng
RT: 15.957 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037967.D
Acq: 01 Oct 2025 04:48

Tgt Ion:330 Resp: 1513

Ion	Ratio	Lower	Upper
330	100		
332	97.7	77.2	115.8
141	43.6	37.2	55.8

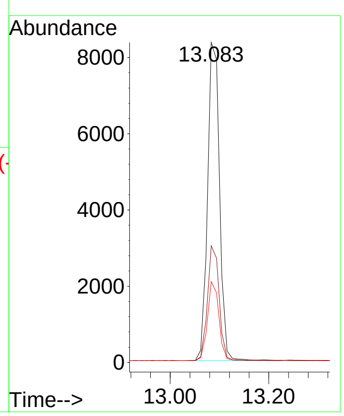




#15
2-Fluorobiphenyl
Concen: 0.319 ng
RT: 13.083 min Scan# 1326
Delta R.T. -0.011 min
Lab File: BN037967.D
Acq: 01 Oct 2025 04:48

Tgt Ion:172 Resp: 14113

Ion	Ratio	Lower	Upper
172	100		
171	36.5	28.6	43.0
170	25.2	19.7	29.5



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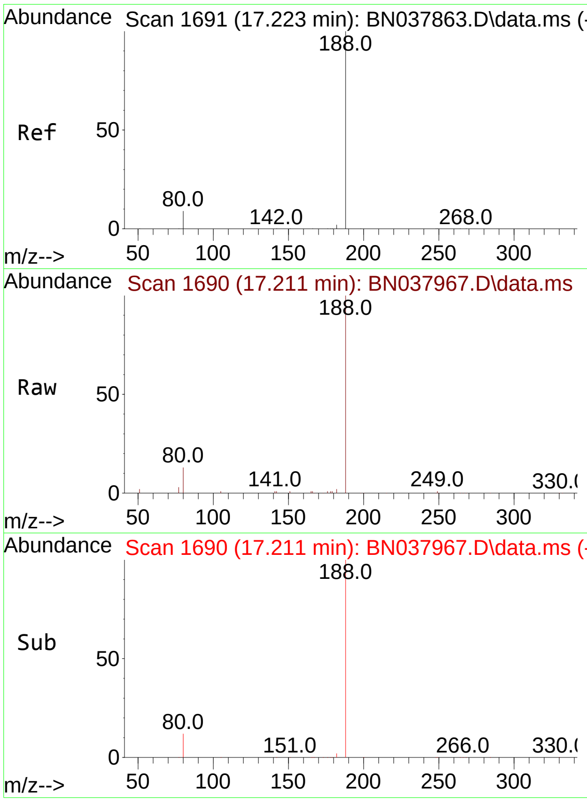
Instrument :
BNA_N
ClientSampleId :
TT161S1-20250923

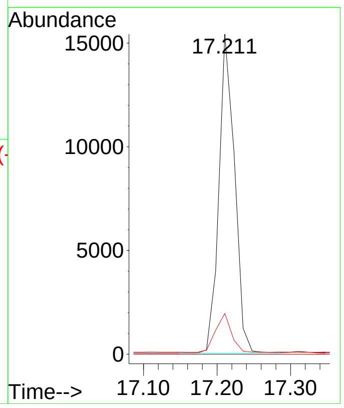
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

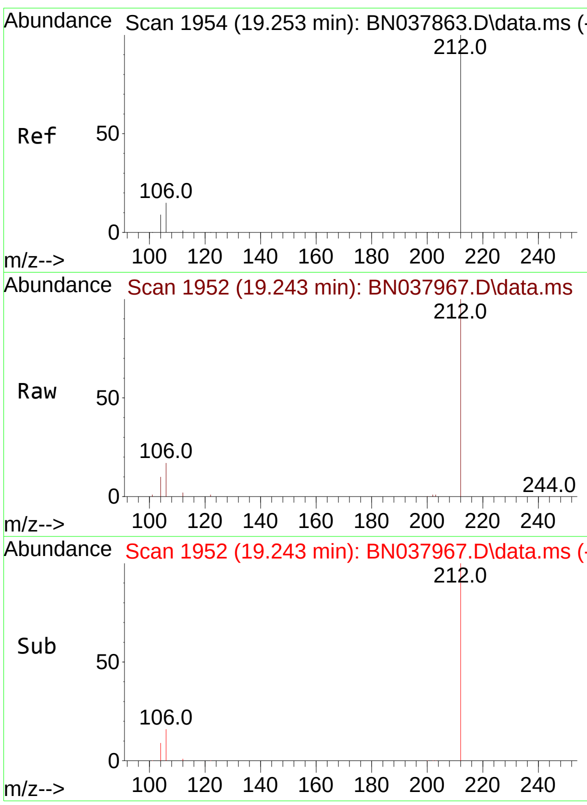


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.211 min Scan# 1(
Delta R.T. -0.012 min
Lab File: BN037967.D
Acq: 01 Oct 2025 04:48

Tgt Ion:188 Resp: 22824

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	12.8	7.6	11.4#

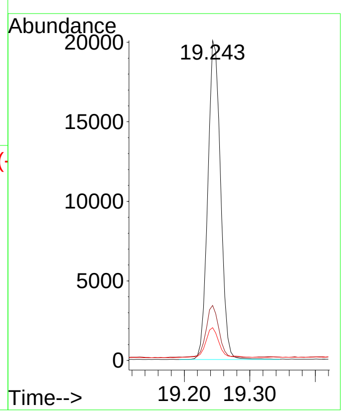




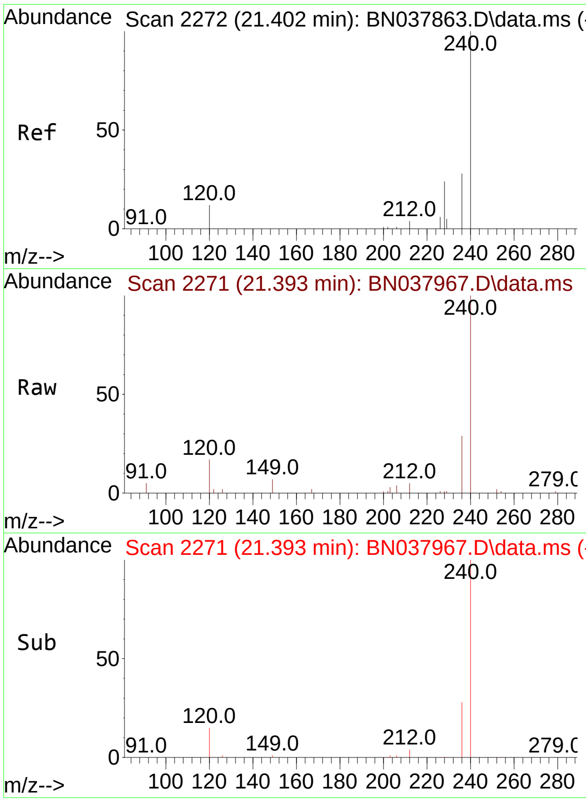
#27
Fluoranthene-d10
Concen: 0.472 ng
RT: 19.243 min Scan# 1952
Delta R.T. -0.009 min
Lab File: BN037967.D
Acq: 01 Oct 2025 04:48

Tgt Ion:212 Resp: 27087

Ion	Ratio	Lower	Upper
212	100		
106	17.0	12.6	19.0
104	9.6	7.4	11.0



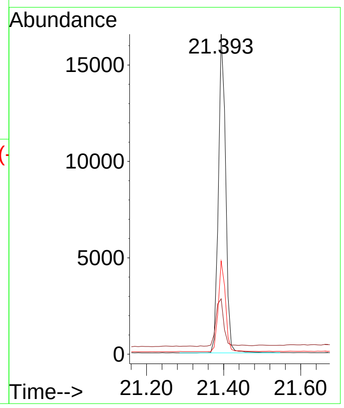
Instrument :
BNA_N
ClientSampleId :
TT161S1-20250923

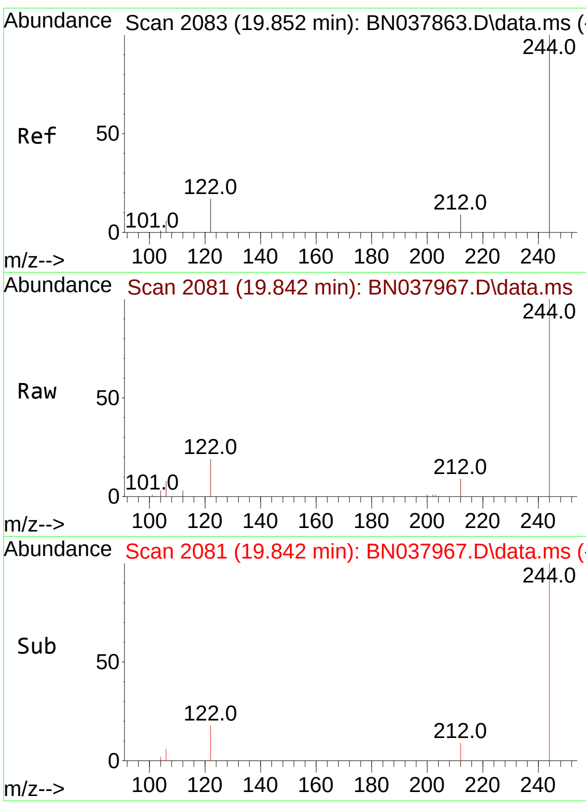


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.393 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037967.D
Acq: 01 Oct 2025 04:48

Tgt Ion:240 Resp: 21668

Ion	Ratio	Lower	Upper
240	100		
120	17.3	11.4	17.2#
236	29.1	23.0	34.6

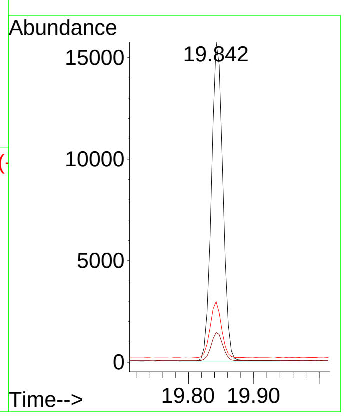




#31
Terphenyl-d14
Concen: 0.446 ng
RT: 19.842 min Scan# 2081
Delta R.T. -0.009 min
Lab File: BN037967.D
Acq: 01 Oct 2025 04:48

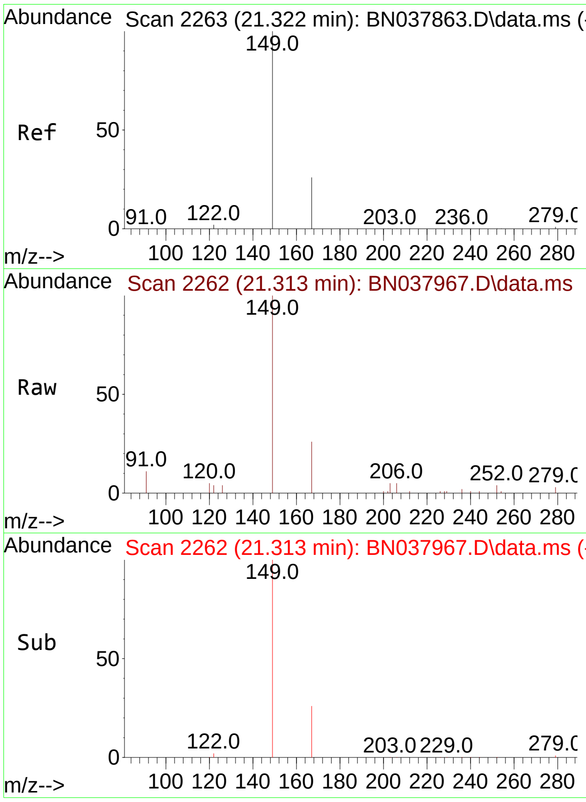
Tgt Ion:244 Resp: 19246

Ion	Ratio	Lower	Upper
244	100		
212	9.3	7.6	11.4
122	18.9	13.9	20.9



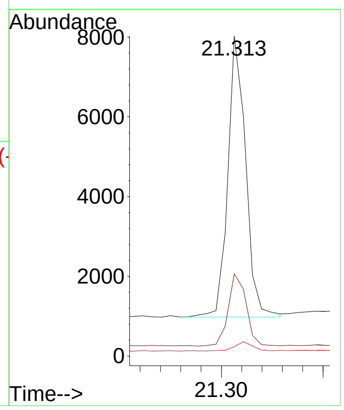
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

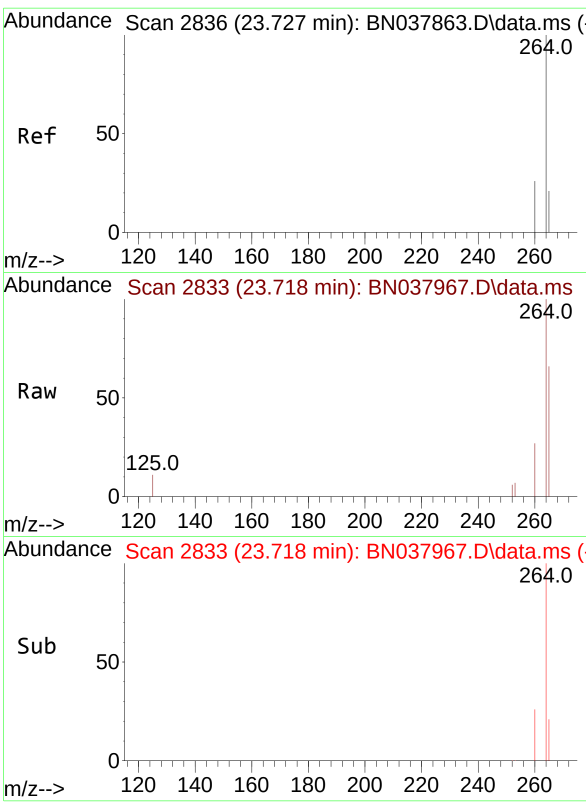
Instrument :
BNA_N
ClientSampleId :
TT161S1-20250923




```
#34
Bis(2-ethylhexyl)phthalate
Concen:    0.286 ng
RT:  21.313 min  Scan# 2
Delta R.T.  -0.009 min
Lab File:   BN037967.D
Acq: 01 Oct 2025  04:48

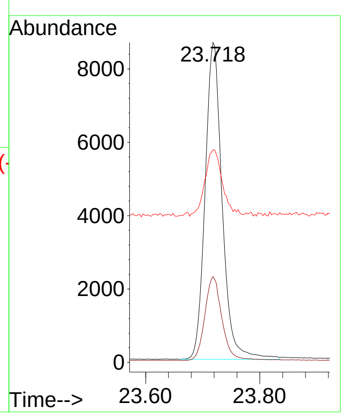
Tgt Ion:149 Resp:    8567
Ion  Ratio  Lower  Upper
149  100
167   26.1   20.4   30.6
279    3.8    2.4    3.6#
```






```
#35
Perylene-d12
Concen:    0.400 ng
RT:  23.718 min  Scan# 2833
Delta R.T.  -0.009 min
Lab File:   BN037967.D
Acq: 01 Oct 2025  04:48

Tgt Ion:264 Resp:   17961
Ion  Ratio  Lower  Upper
264  100
260   26.8   21.5   32.3
265   66.4   53.8   80.6
```



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:	09/23/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	RE103D1-20250923	SDG No.:	Q3193
Lab Sample ID:	Q3193-17	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
BN037968.D	1	09/29/25 08:43	10/01/25 05:24	PB169886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	4.90		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.35		30 - 150		88%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.39		30 - 150		98%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.36		55 - 111		90%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.39		53 - 106		97%	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	8940	7.811				
1146-65-2	Naphthalene-d8	25300	10.616				
15067-26-2	Acenaphthene-d10	13200	14.462				
1517-22-2	Phenanthrene-d10	24700	17.211				
1719-03-5	Chrysene-d12	18300	21.393				
1520-96-3	Perylene-d12	14300	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\BN093025\
Data File : BN037968.D
Acq On : 01 Oct 2025 05:24
Operator : RC/JU
Sample : Q3193-17
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE103D1-20250923

Quant Time: Oct 01 05:50:20 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	7.811	152	8935	0.400	ng	-0.01
7) Naphthalene-d8	10.616	136	25320	0.400	ng	-0.01
13) Acenaphthene-d10	14.462	164	13246	0.400	ng	-0.01
19) Phenanthrene-d10	17.211	188	24716	0.400	ng	#-0.01
29) Chrysene-d12	21.393	240	18326	0.400	ng	0.00
35) Perylene-d12	23.721	264	14296	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.384	112	5034	0.247	ng	0.00
5) Phenol-d6	6.966	99	4170	0.156	ng	0.00
8) Nitrobenzene-d5	8.961	82	6970	0.361	ng	-0.01
11) 2-Methylnaphthalene-d10	12.207	152	12462	0.354	ng	-0.01
14) 2,4,6-Tribromophenol	15.957	330	1649	0.328	ng	-0.01
15) 2-Fluorobiphenyl	13.083	172	21074	0.389	ng	-0.01
27) Fluoranthene-d10	19.243	212	24363	0.392	ng	0.00
31) Terphenyl-d14	19.843	244	18919	0.518	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.290	88	44699	4.928	ng	98
34) Bis(2-ethylhexyl)phtha...	21.313	149	2277	0.090	ng	100

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

```
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN093025\
Data File : BN037968.D
Acq On    : 01 Oct 2025  05:24
Operator  : RC/JU
Sample    : Q3193-17
Misc      :
ALS Vial  : 25   Sample Multiplier: 1

Quant Time: Oct 01 05:50:20 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
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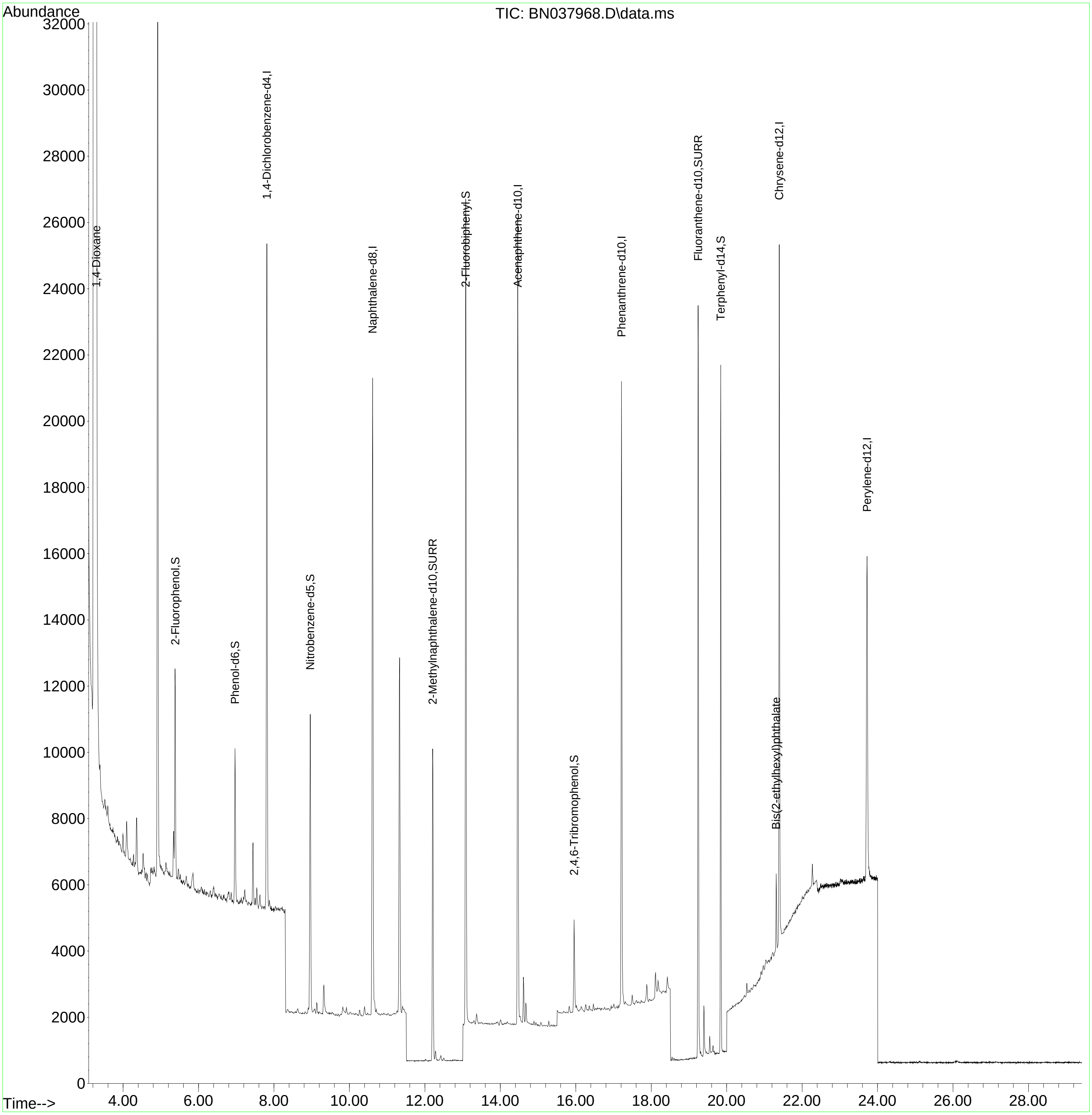
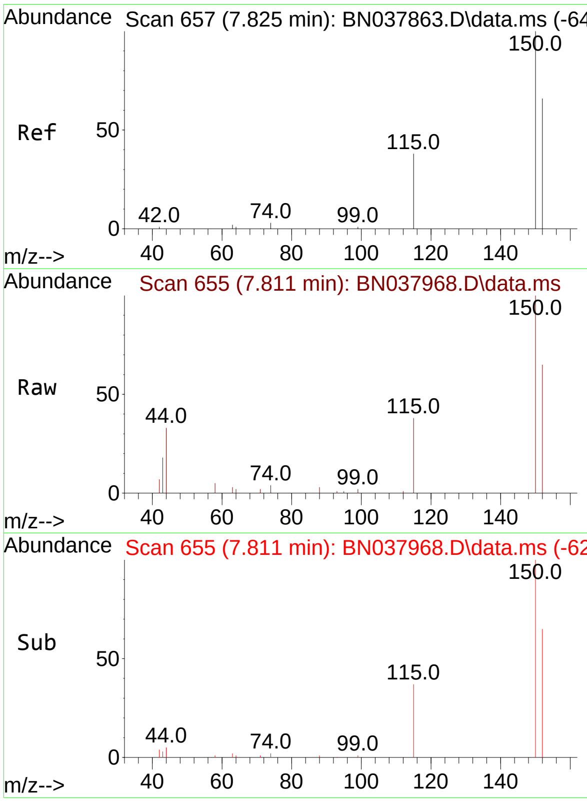
Instrument :
BNA_N
ClientSampleId :
RE103D1-20250923



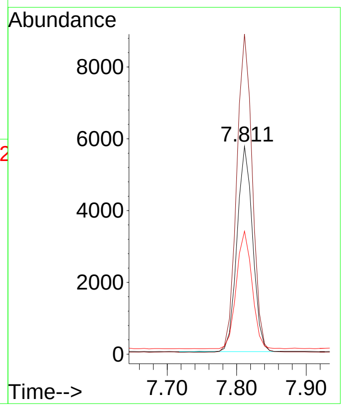
Instrument : BNA_N
ClientSampleId : RE103D1-20250923

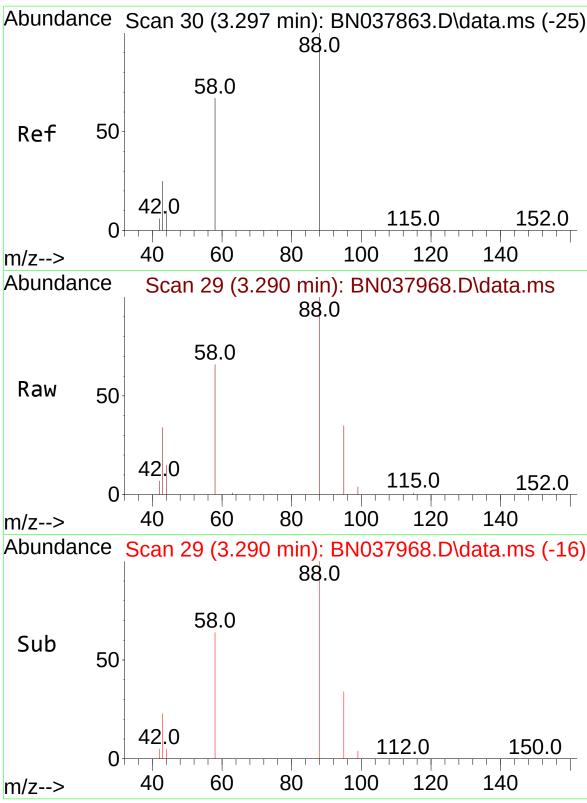


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.811 min Scan# 655
Delta R.T. -0.014 min
Lab File: BN037968.D
Acq: 01 Oct 2025 05:24

Tgt Ion:152 Resp: 8935

Ion	Ratio	Lower	Upper
152	100		
150	153.9	121.0	181.4
115	59.2	47.4	71.0

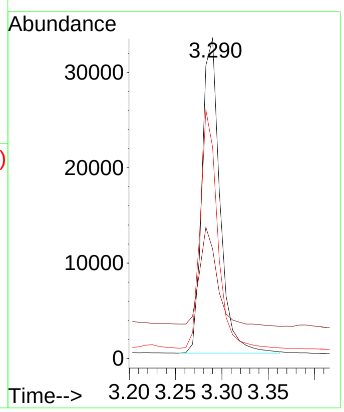




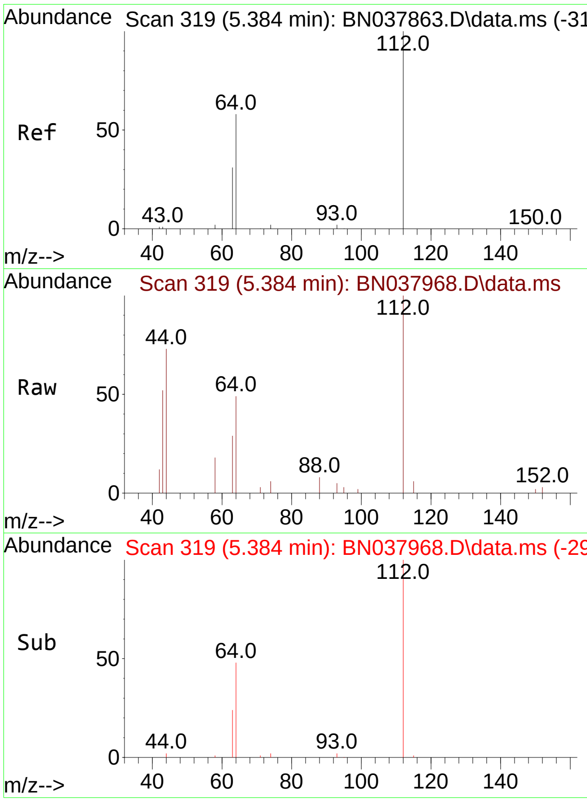
#2
1,4-Dioxane
Concen: 4.928 ng
RT: 3.290 min Scan# 29
Delta R.T. -0.007 min
Lab File: BN037968.D
Acq: 01 Oct 2025 05:24

Tgt Ion: 88 Resp: 44699

Ion	Ratio	Lower	Upper
88	100		
43	31.1	26.6	39.8
58	72.8	58.9	88.3



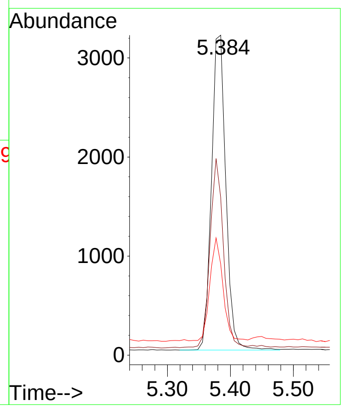
Instrument :
BNA_N
ClientSampleId :
RE103D1-20250923

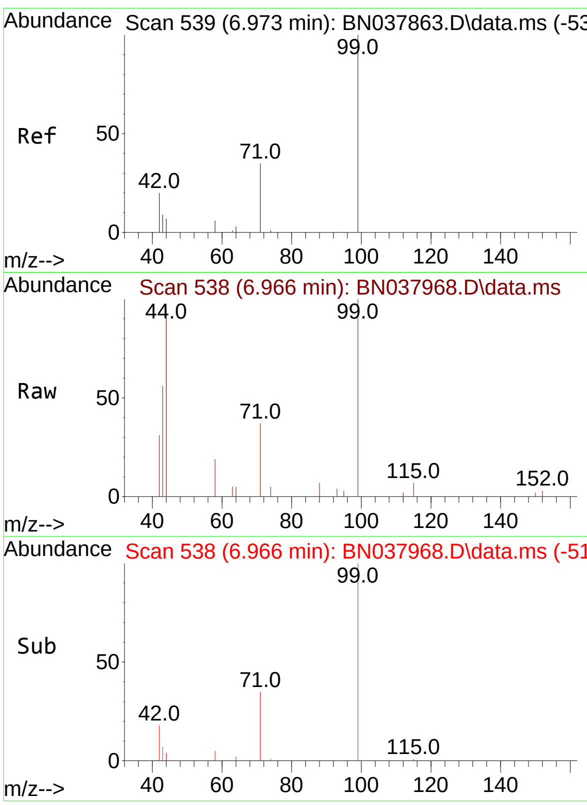


#4
2-Fluorophenol
Concen: 0.247 ng
RT: 5.384 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN037968.D
Acq: 01 Oct 2025 05:24

Tgt Ion:112 Resp: 5034

Ion	Ratio	Lower	Upper
112	100		
64	55.8	44.6	66.8
63	29.4	24.9	37.3

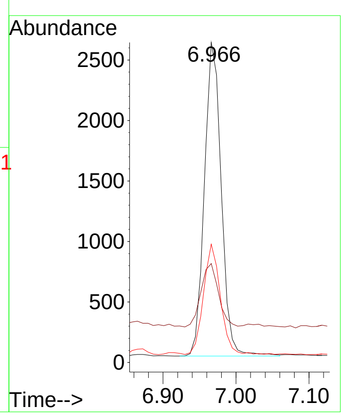




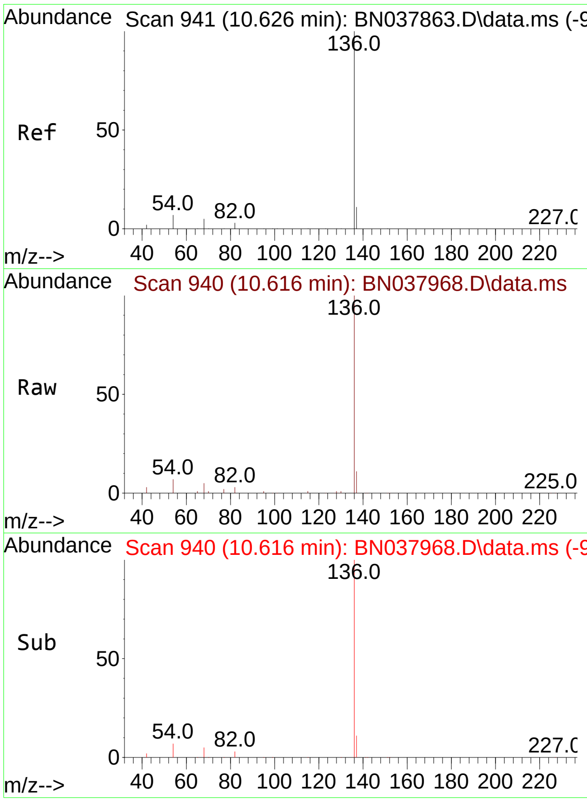
#5
Phenol-d6
Concen: 0.156 ng
RT: 6.966 min Scan# 538
Delta R.T. -0.007 min
Lab File: BN037968.D
Acq: 01 Oct 2025 05:24

Tgt Ion: 99 Resp: 4170

Ion	Ratio	Lower	Upper
99	100		
42	20.9	17.2	25.8
71	35.2	27.3	40.9



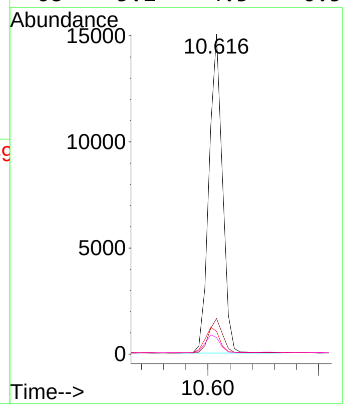
Instrument :
BNA_N
ClientSampleId :
RE103D1-20250923

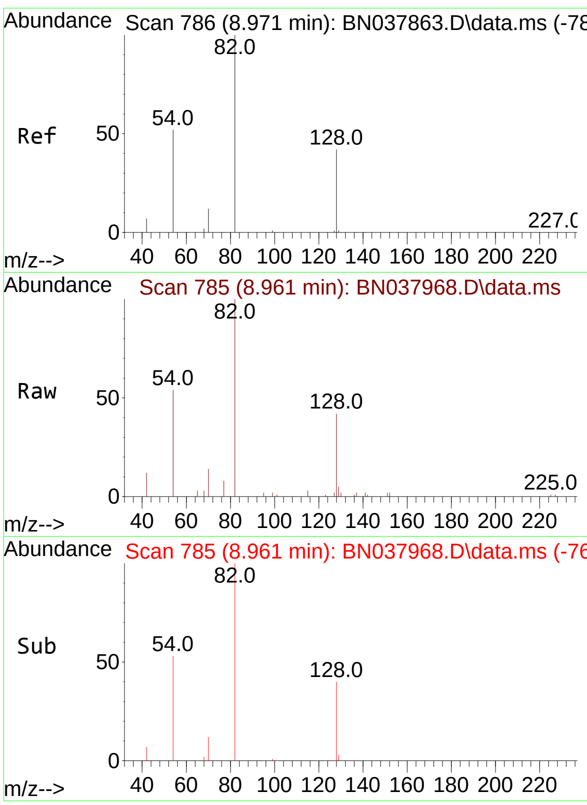


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.616 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037968.D
Acq: 01 Oct 2025 05:24

Tgt Ion:136 Resp: 25320

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	7.1	5.8	8.8
68	5.2	4.3	6.5

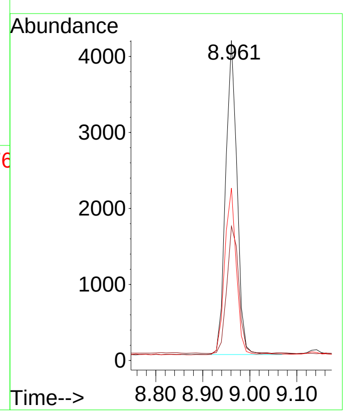




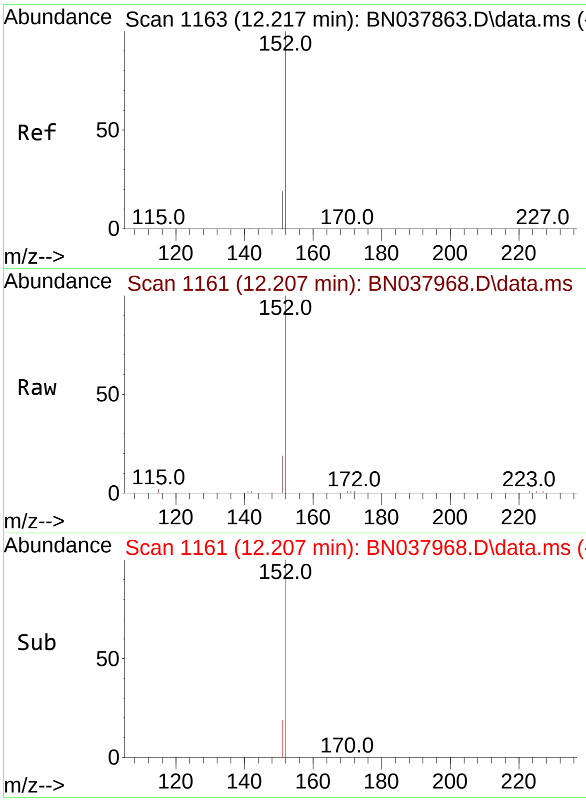
#8
Nitrobenzene-d5
Concen: 0.361 ng
RT: 8.961 min Scan# 785
Delta R.T. -0.011 min
Lab File: BN037968.D
Acq: 01 Oct 2025 05:24

Tgt Ion: 82 Resp: 6970

Ion	Ratio	Lower	Upper
82	100		
128	41.9	34.8	52.2
54	53.9	42.2	63.2



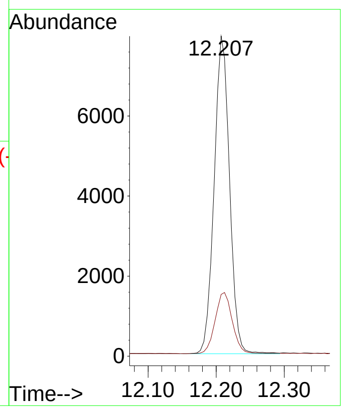
Instrument : BNA_N
ClientSampleId : RE103D1-20250923

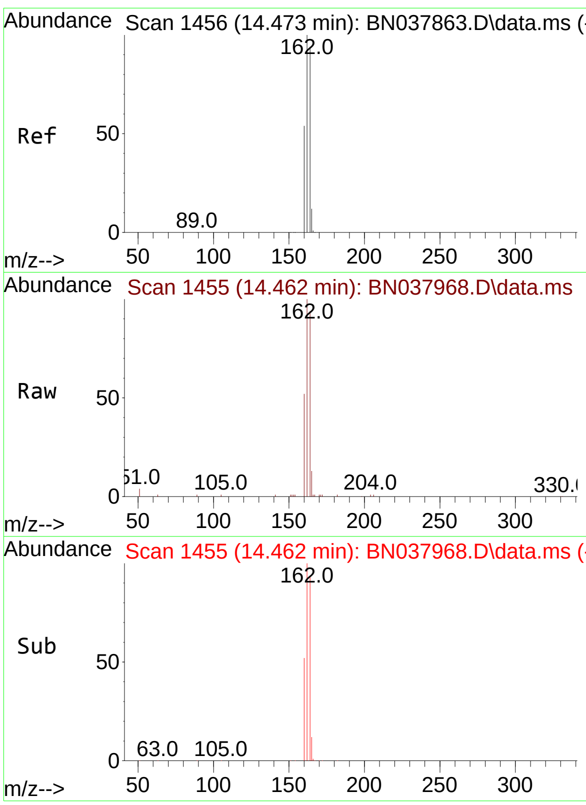


#11
2-Methylnaphthalene-d10
Concen: 0.354 ng
RT: 12.207 min Scan# 1161
Delta R.T. -0.010 min
Lab File: BN037968.D
Acq: 01 Oct 2025 05:24

Tgt Ion:152 Resp: 12462

Ion	Ratio	Lower	Upper
152	100		
151	21.6	17.4	26.2

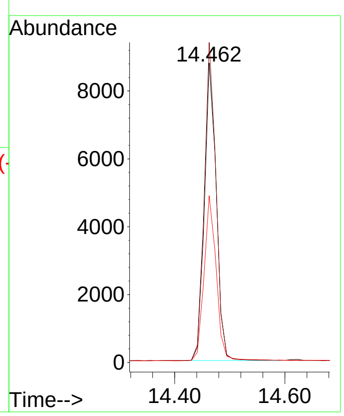




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.462 min Scan# 1455
Delta R.T. -0.011 min
Lab File: BN037968.D
Acq: 01 Oct 2025 05:24

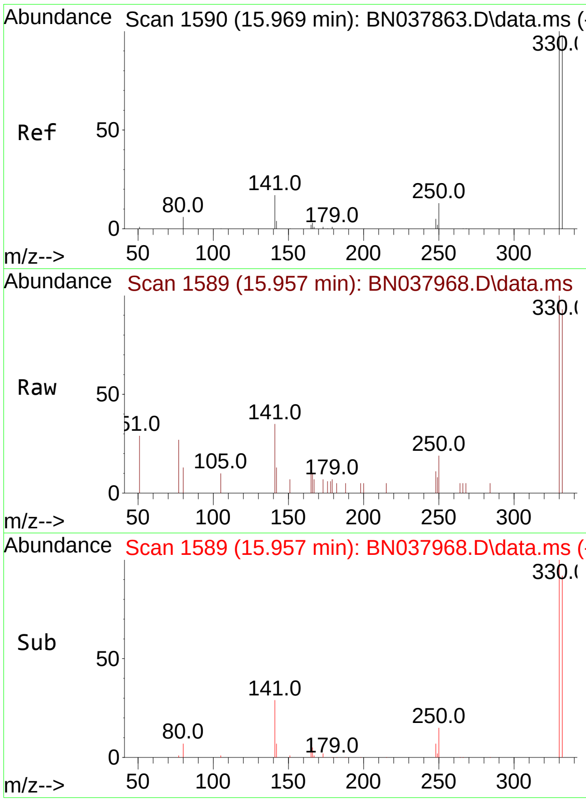
Tgt Ion:164 Resp: 13246

Ion	Ratio	Lower	Upper
164	100		
162	106.9	84.8	127.2
160	55.7	46.1	69.1



Instrument :
BNA_N
ClientSampleId :
RE103D1-20250923

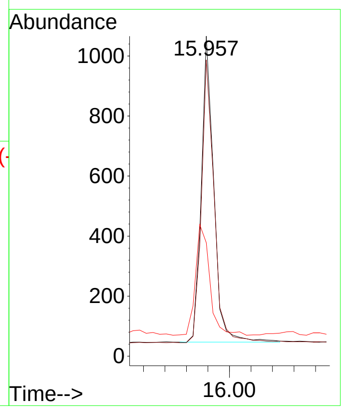
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

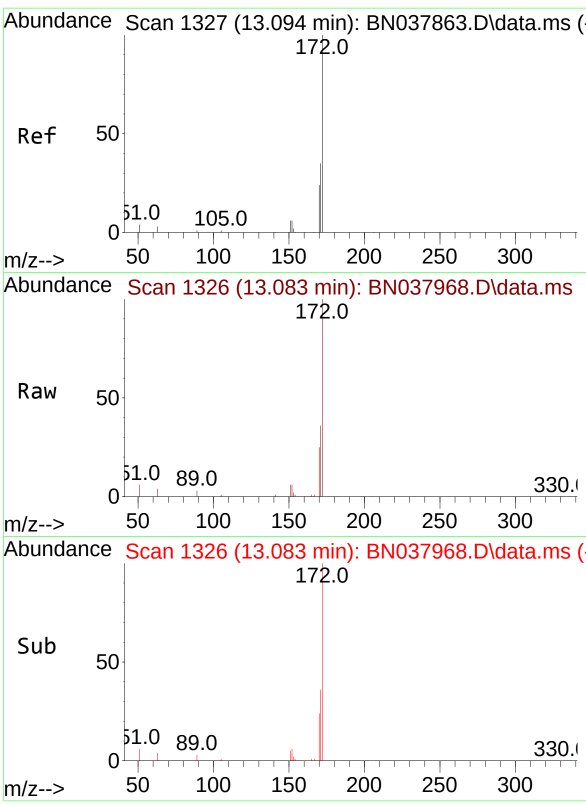


#14
2,4,6-Tribromophenol
Concen: 0.328 ng
RT: 15.957 min Scan# 1589
Delta R.T. -0.012 min
Lab File: BN037968.D
Acq: 01 Oct 2025 05:24

Tgt Ion:330 Resp: 1649

Ion	Ratio	Lower	Upper
330	100		
332	94.7	77.2	115.8
141	41.1	37.2	55.8

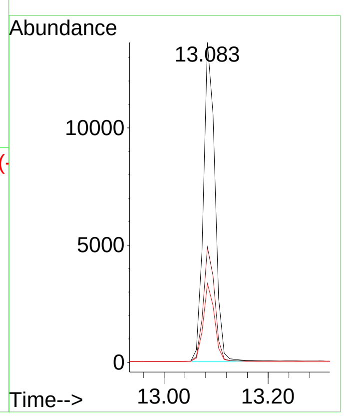




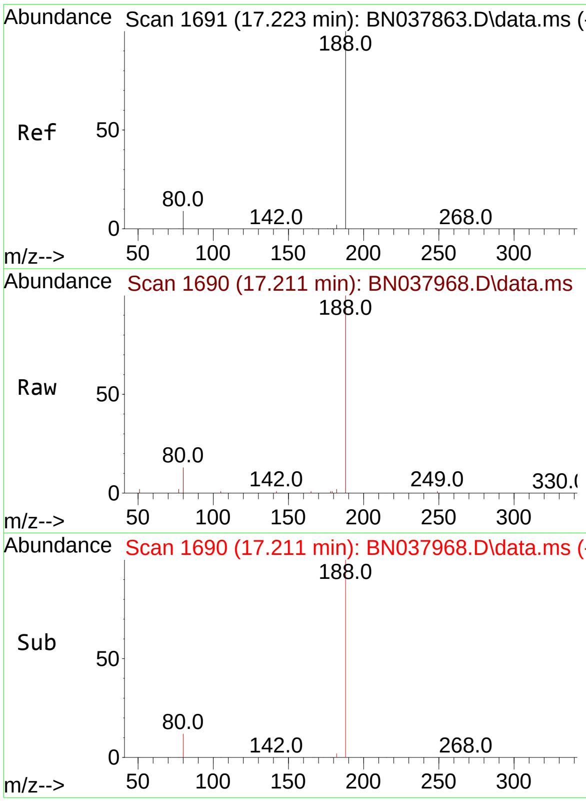
#15
2-Fluorobiphenyl
Concen: 0.389 ng
RT: 13.083 min Scan# 1326
Delta R.T. -0.011 min
Lab File: BN037968.D
Acq: 01 Oct 2025 05:24

Tgt Ion:172 Resp: 21074

Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.6	43.0
170	24.7	19.7	29.5



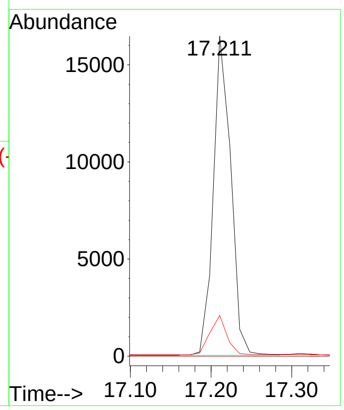
Instrument : BNA_N
ClientSampleId : RE103D1-20250923

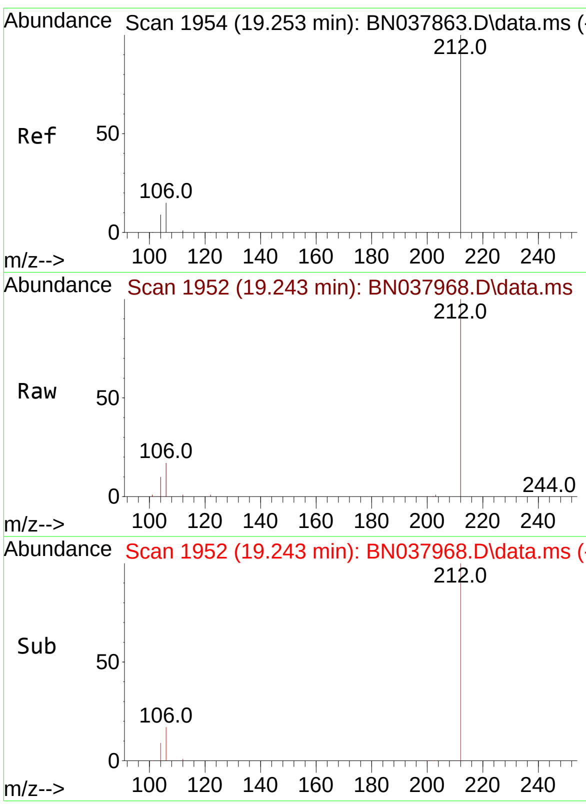


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.211 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037968.D
Acq: 01 Oct 2025 05:24

Tgt Ion:188 Resp: 24716

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	12.7	7.6	11.4#

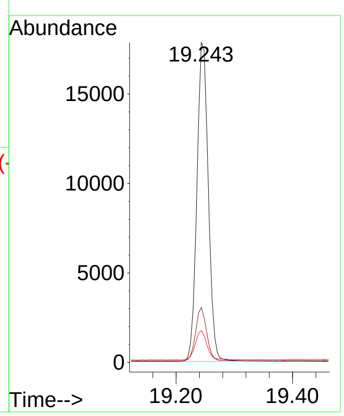




#27
Fluoranthene-d10
Concen: 0.392 ng
RT: 19.243 min Scan# 1952
Delta R.T. -0.009 min
Lab File: BN037968.D
Acq: 01 Oct 2025 05:24

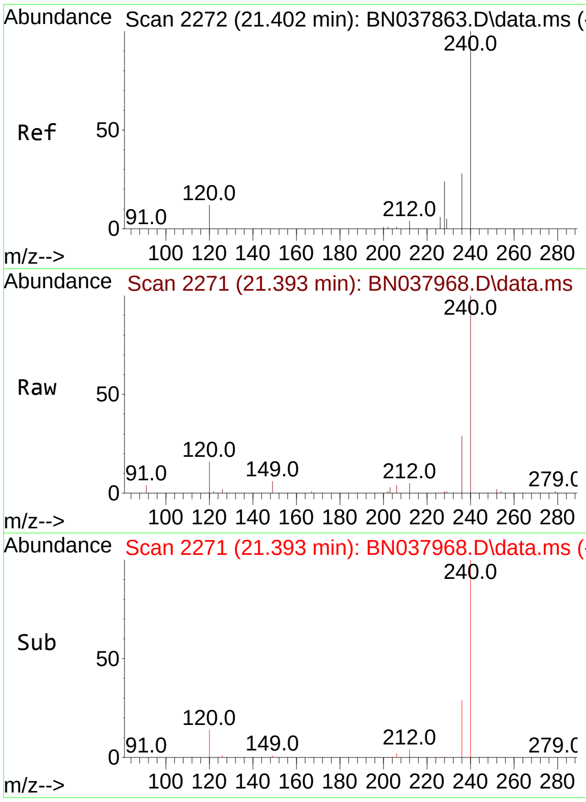
Tgt Ion:212 Resp: 24363

Ion	Ratio	Lower	Upper
212	100		
106	16.1	12.6	19.0
104	9.4	7.4	11.0



Instrument :
BNA_N
ClientSampleId :
RE103D1-20250923

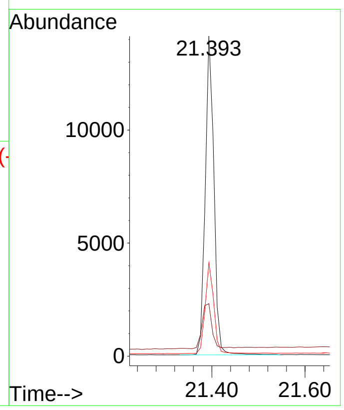
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

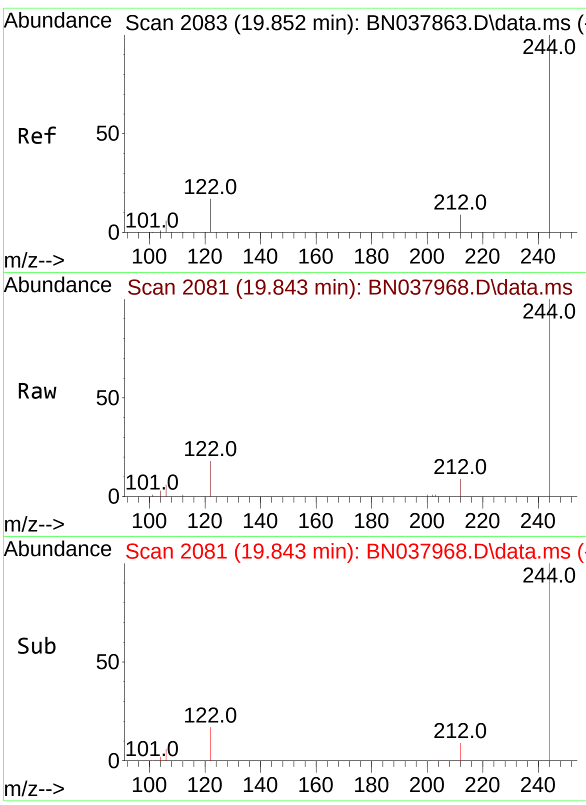


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.393 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037968.D
Acq: 01 Oct 2025 05:24

Tgt Ion:240 Resp: 18326

Ion	Ratio	Lower	Upper
240	100		
120	16.4	11.4	17.2
236	29.2	23.0	34.6

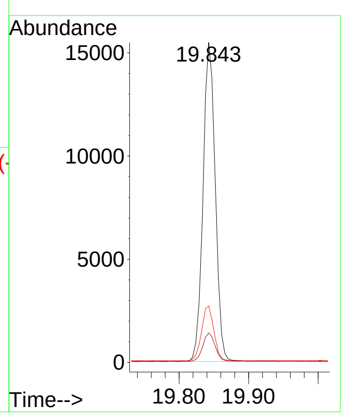




#31
Terphenyl-d14
Concen: 0.518 ng
RT: 19.843 min Scan# 2081
Delta R.T. -0.009 min
Lab File: BN037968.D
Acq: 01 Oct 2025 05:24

Tgt Ion:244 Resp: 18919

Ion	Ratio	Lower	Upper
244	100		
212	9.2	7.6	11.4
122	17.6	13.9	20.9



Instrument :
BNA_N
ClientSampleId :
RE103D1-20250923

1
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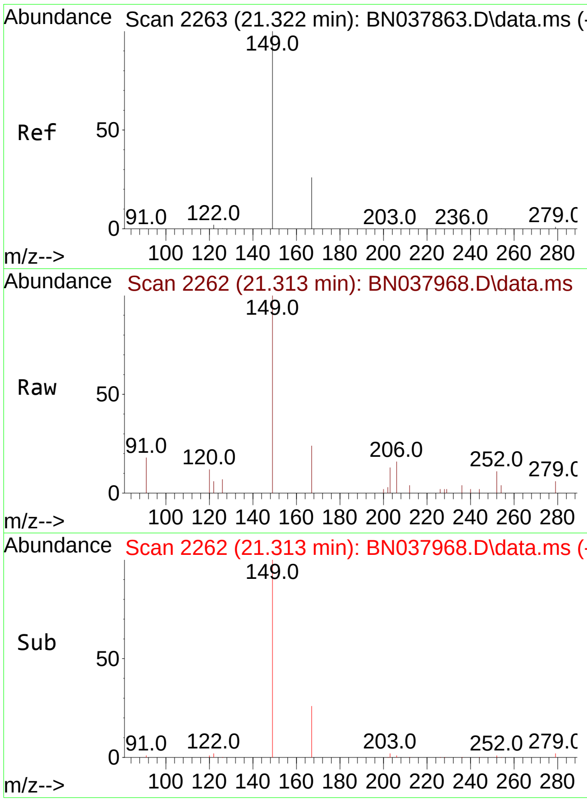
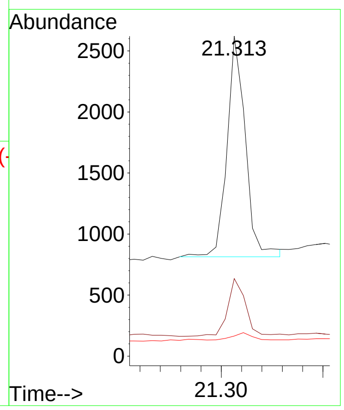
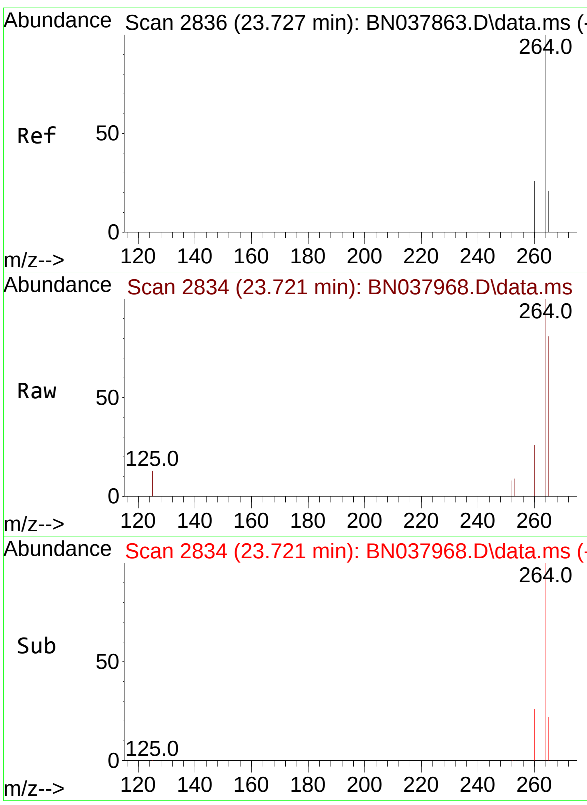
17




```
#34
Bis(2-ethylhexyl)phthalate
Concen:    0.090 ng
RT:  21.313 min  Scan# 2
Delta R.T.  -0.009 min
Lab File:   BN037968.D
Acq: 01 Oct 2025  05:24

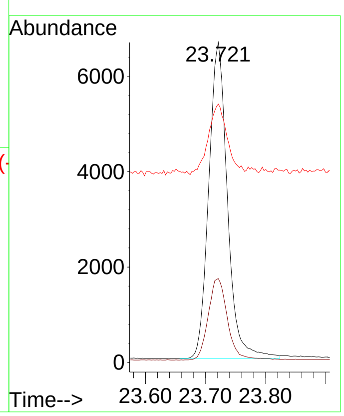
Tgt Ion:149 Resp:    2277
Ion  Ratio  Lower  Upper
149  100
167   25.3   20.4   30.6
279    3.4    2.4    3.6
```






```
#35
Perylene-d12
Concen:    0.400 ng
RT:  23.721 min  Scan# 2834
Delta R.T.  -0.006 min
Lab File:   BN037968.D
Acq: 01 Oct 2025  05:24

Tgt Ion:264 Resp:   14296
Ion  Ratio  Lower  Upper
264  100
260   26.2   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:	09/23/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258			Date Received:	09/24/25	
Client Sample ID:	MW203D-20250923			SDG No.:	Q3193	
Lab Sample ID:	Q3193-18			Matrix:	Water	
Analytical Method:	SW8270ESIM			% Solid:	0	
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000	uL
Soil Aliquot Vol:			uL	Test:	SVOC-SIMGroup1	
Extraction Type :		Decanted :	N	Level :	LOW	
Injection Volume :		GPC Factor :	1.0	GPC Cleanup :	N	PH :
Prep Method :						

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037969.D	1	09/29/25 08:43	10/01/25 06:00	PB169886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.15	J	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.28		30 - 150		69%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.36		30 - 150		90%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.28		55 - 111		70%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.32		53 - 106		80%	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	7660	7.811				
1146-65-2	Naphthalene-d8	23000	10.616				
15067-26-2	Acenaphthene-d10	11400	14.462				
1517-22-2	Phenanthrene-d10	23200	17.211				
1719-03-5	Chrysene-d12	17300	21.393				
1520-96-3	Perylene-d12	13500	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\BN093025\
Data File : BN037969.D
Acq On : 01 Oct 2025 06:00
Operator : RC/JU
Sample : Q3193-18
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW203D-20250923

Quant Time: Oct 01 10:35:19 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

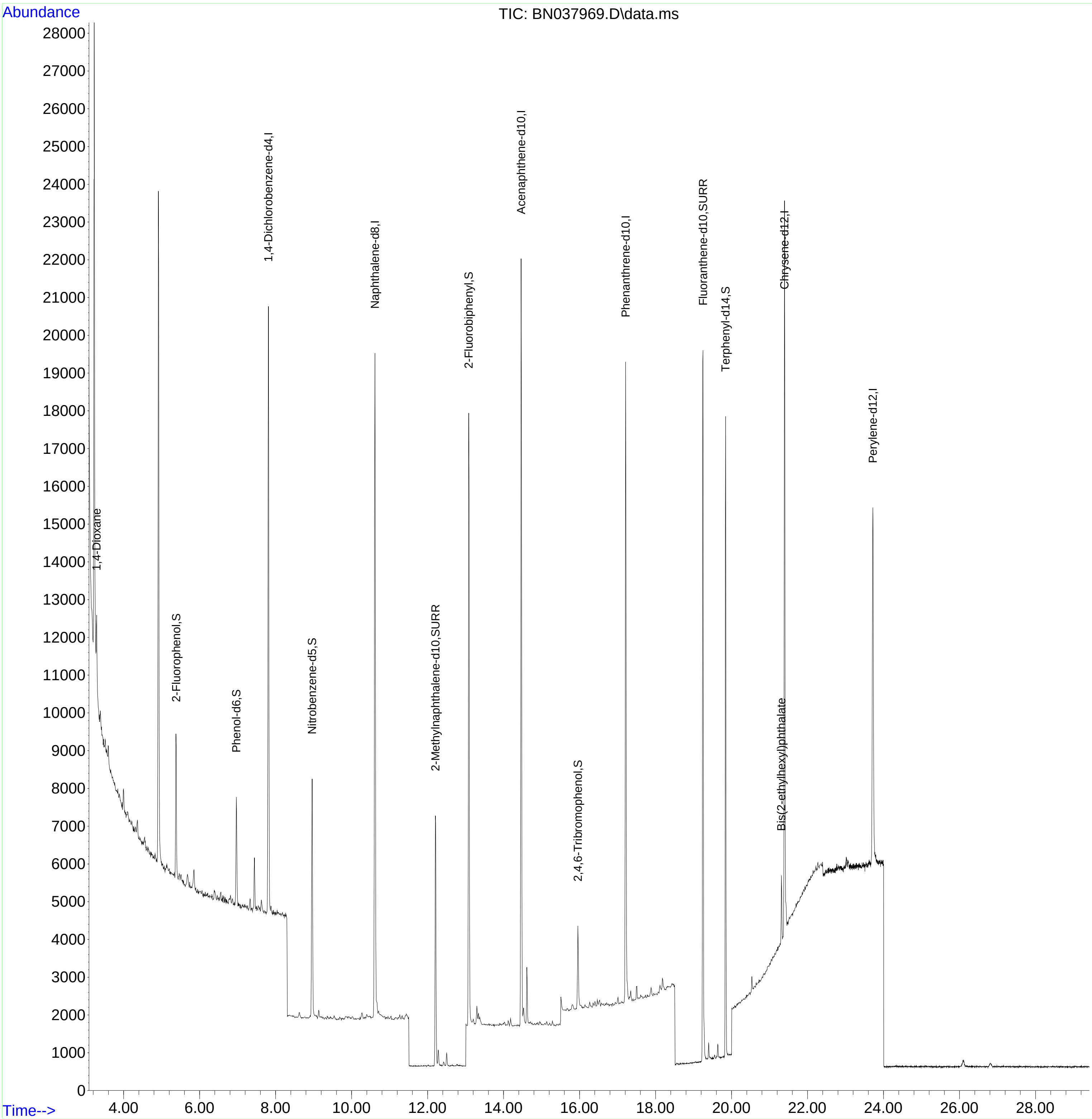
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.811	152	7655	0.400	ng	-0.01
7) Naphthalene-d8	10.616	136	22976	0.400	ng	-0.01
13) Acenaphthene-d10	14.462	164	11396	0.400	ng	-0.01
19) Phenanthrene-d10	17.211	188	23171	0.400	ng	#-0.01
29) Chrysene-d12	21.393	240	17327	0.400	ng	0.00
35) Perylene-d12	23.718	264	13520	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.384	112	3119	0.179	ng	0.00
5) Phenol-d6	6.966	99	2625	0.114	ng	0.00
8) Nitrobenzene-d5	8.961	82	4892	0.279	ng	-0.01
11) 2-Methylnaphthalene-d10	12.207	152	8822	0.276	ng	-0.01
14) 2,4,6-Tribromophenol	15.957	330	1344	0.311	ng	-0.01
15) 2-Fluorobiphenyl	13.083	172	14897	0.319	ng	-0.01
27) Fluoranthene-d10	19.248	212	21013	0.361	ng	0.00
31) Terphenyl-d14	19.843	244	15751	0.456	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.290	88	1200	0.154	ng	# 63
34) Bis(2-ethylhexyl)phtha...	21.313	149	1784	0.074	ng	# 98

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

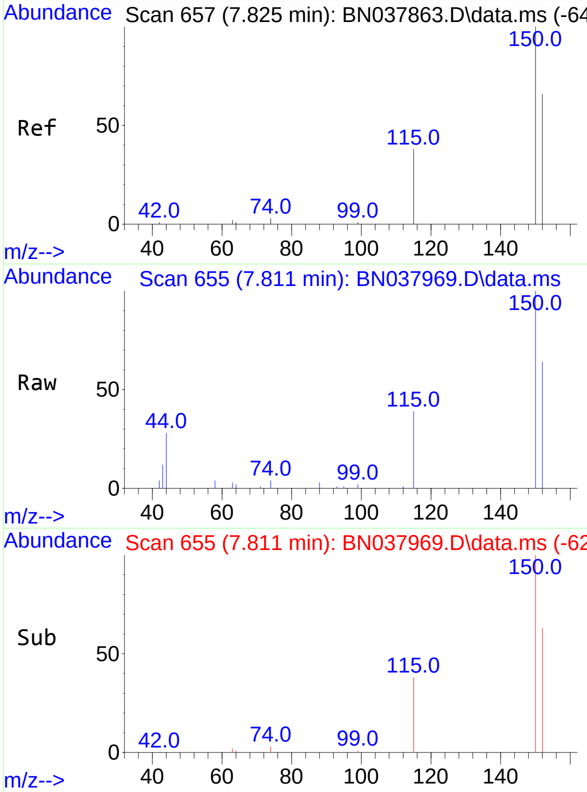
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN093025\
Data File : BN037969.D
Acq On : 01 Oct 2025 06:00
Operator : RC/JU
Sample : Q3193-18
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW203D-20250923

Quant Time: Oct 01 10:35:19 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



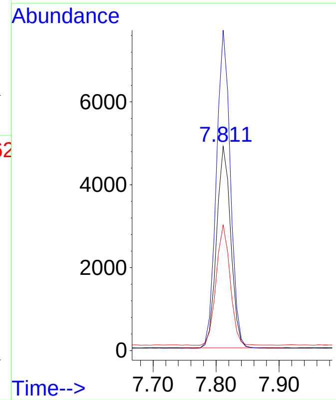
Instrument :
BNA_N
ClientSampleId :
MW203D-20250923

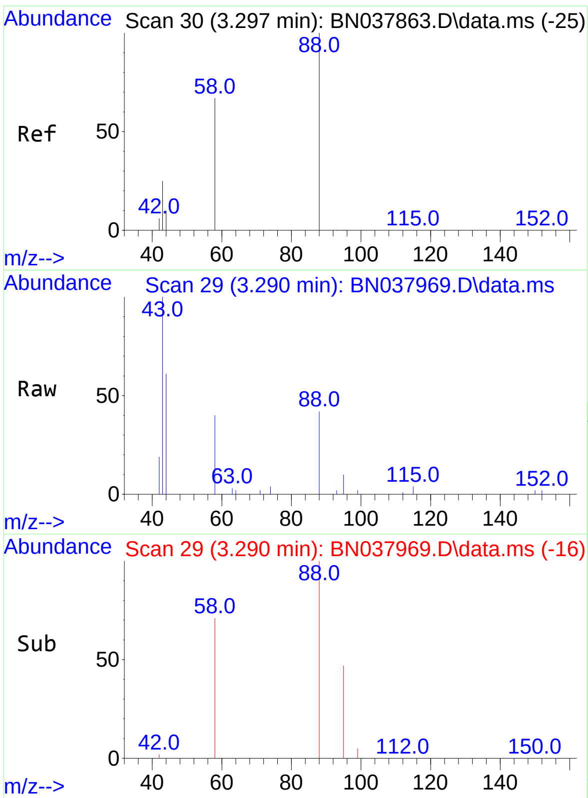


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.811 min Scan# 6
Delta R.T. -0.014 min
Lab File: BN037969.D
Acq: 01 Oct 2025 06:00

Tgt Ion:152 Resp: 7655

Ion	Ratio	Lower	Upper
152	100		
150	156.9	121.0	181.4
115	61.5	47.4	71.0

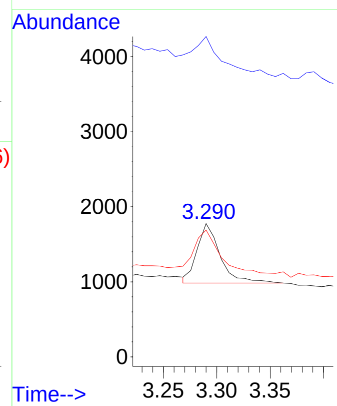




#2
1,4-Dioxane
Concen: 0.154 ng
RT: 3.290 min Scan# 29
Delta R.T. -0.007 min
Lab File: BN037969.D
Acq: 01 Oct 2025 06:00

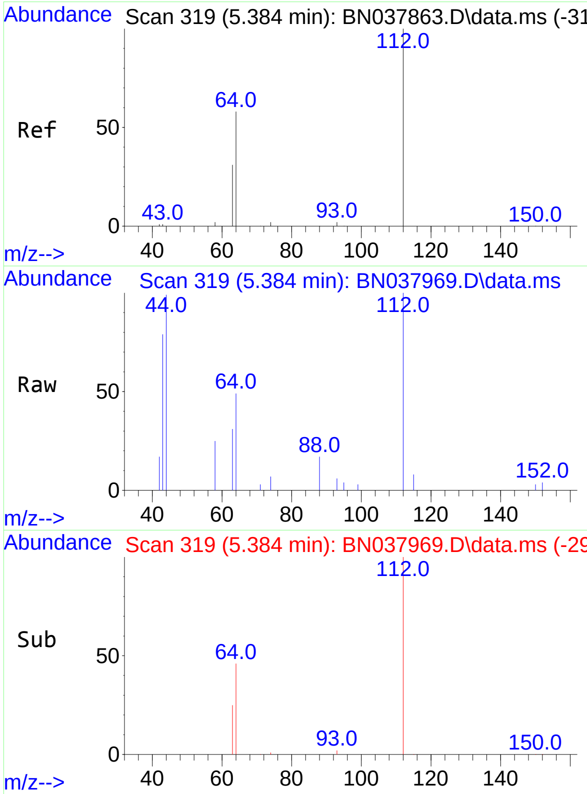
Tgt Ion: 88 Resp: 1200

Ion	Ratio	Lower	Upper
88	100		
43	85.5	26.6	39.8#
58	84.0	58.9	88.3



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

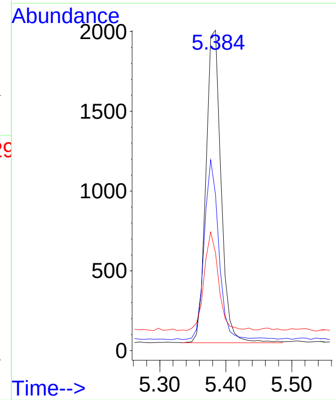
Instrument :
BNA_N
ClientSampleId :
MW203D-20250923

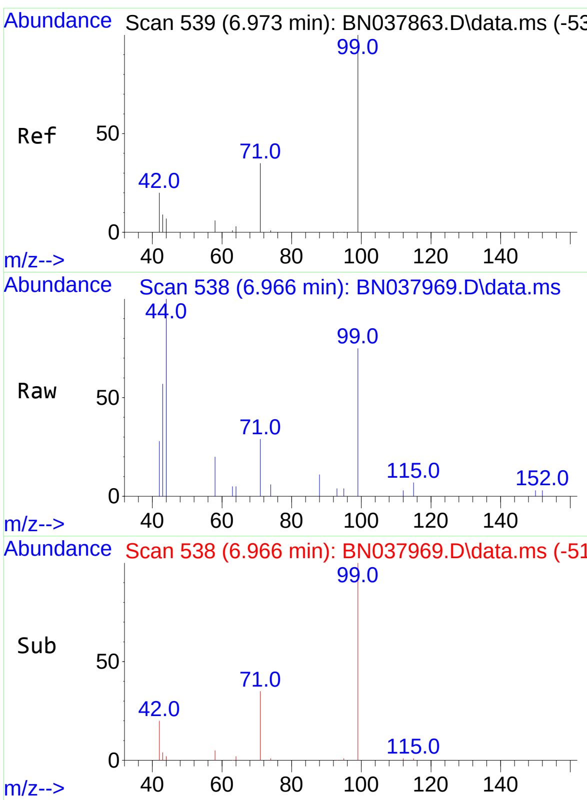


#4
2-Fluorophenol
Concen: 0.179 ng
RT: 5.384 min Scan# 31
Delta R.T. -0.000 min
Lab File: BN037969.D
Acq: 01 Oct 2025 06:00

Tgt Ion:112 Resp: 3119

Ion	Ratio	Lower	Upper
112	100		
64	54.9	44.6	66.8
63	29.8	24.9	37.3

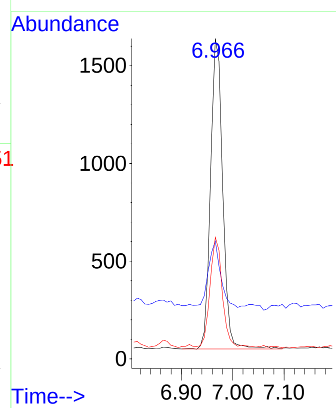




#5
Phenol-d6
Concen: 0.114 ng
RT: 6.966 min Scan# 538
Delta R.T. -0.007 min
Lab File: BN037969.D
Acq: 01 Oct 2025 06:00

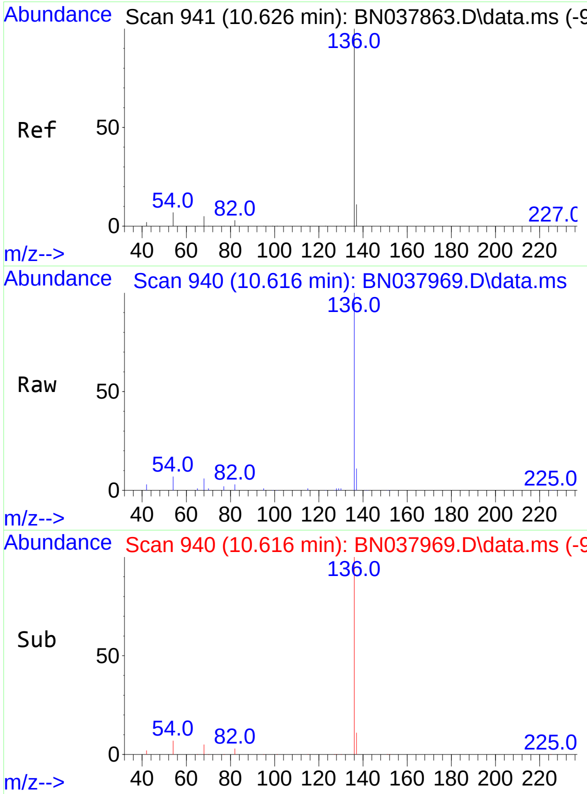
Tgt Ion: 99 Resp: 2625

Ion	Ratio	Lower	Upper
99	100		
42	21.4	17.2	25.8
71	35.0	27.3	40.9



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

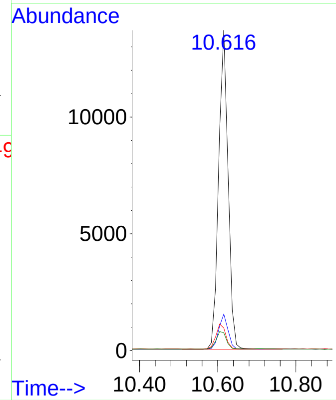
Instrument :
BNA_N
ClientSampleId :
MW203D-20250923

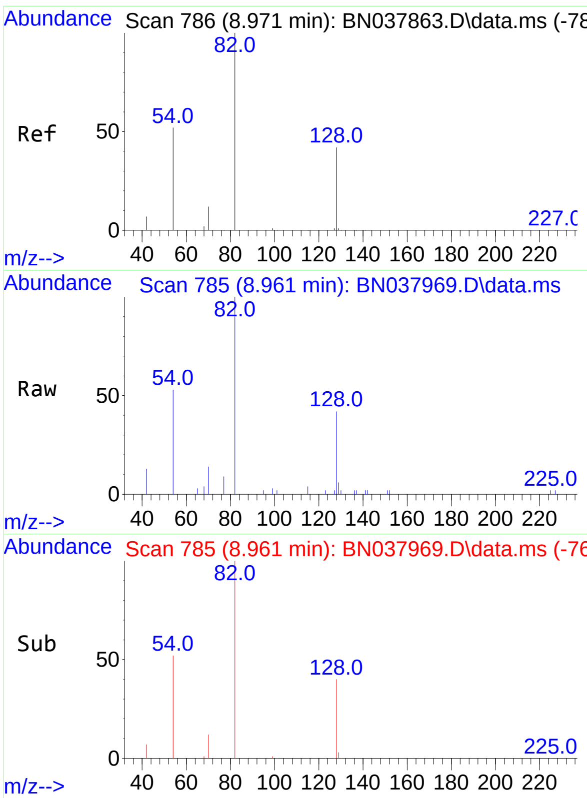


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.616 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037969.D
Acq: 01 Oct 2025 06:00

Tgt Ion:136 Resp: 22976

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.0	13.4
54	7.1	5.8	8.8
68	5.6	4.3	6.5

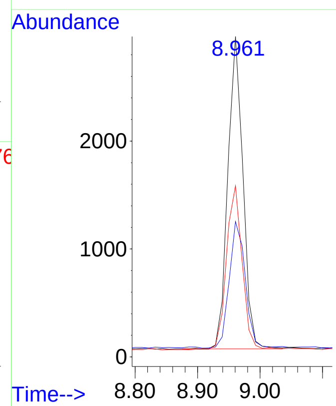




#8
Nitrobenzene-d5
Concen: 0.279 ng
RT: 8.961 min Scan# 785
Delta R.T. -0.011 min
Lab File: BN037969.D
Acq: 01 Oct 2025 06:00

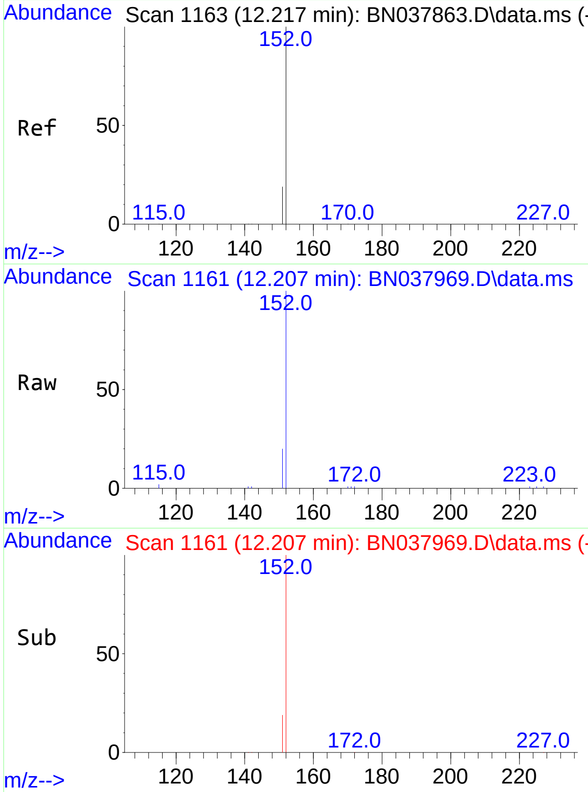
Tgt Ion: 82 Resp: 4892

Ion	Ratio	Lower	Upper
82	100		
128	42.2	34.8	52.2
54	53.4	42.2	63.2



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

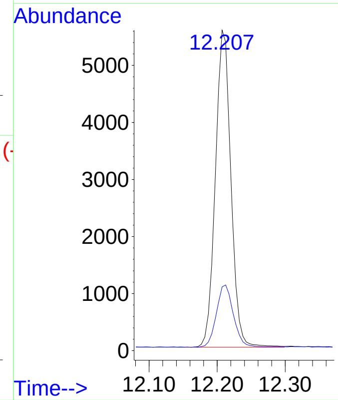
Instrument : BNA_N
ClientSampleId : MW203D-20250923

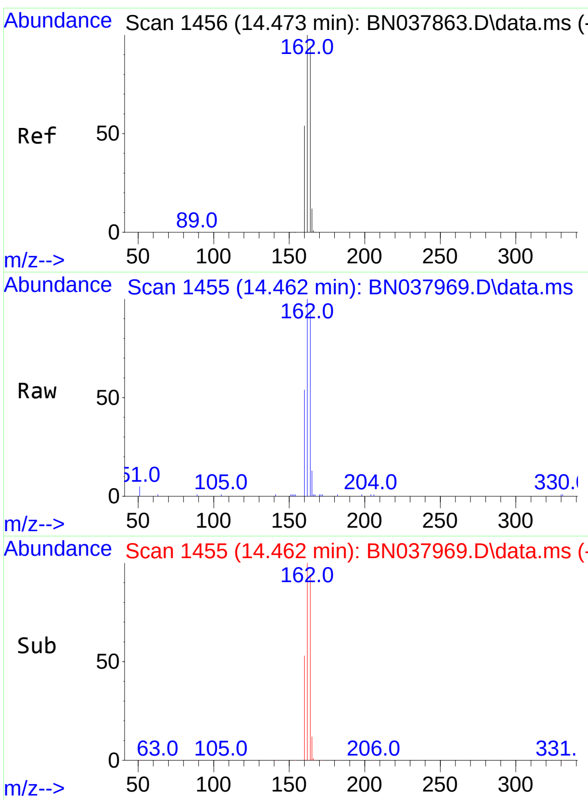


#11
2-Methylnaphthalene-d10
Concen: 0.276 ng
RT: 12.207 min Scan# 1
Delta R.T. -0.010 min
Lab File: BN037969.D
Acq: 01 Oct 2025 06:00

Tgt Ion:152 Resp: 8822

Ion	Ratio	Lower	Upper
152	100		
151	21.6	17.4	26.2

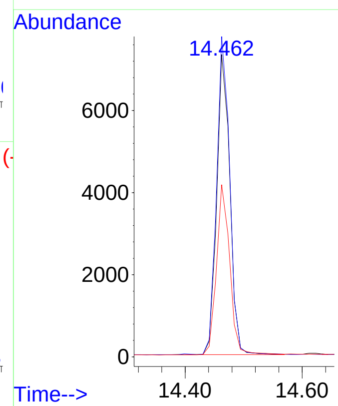




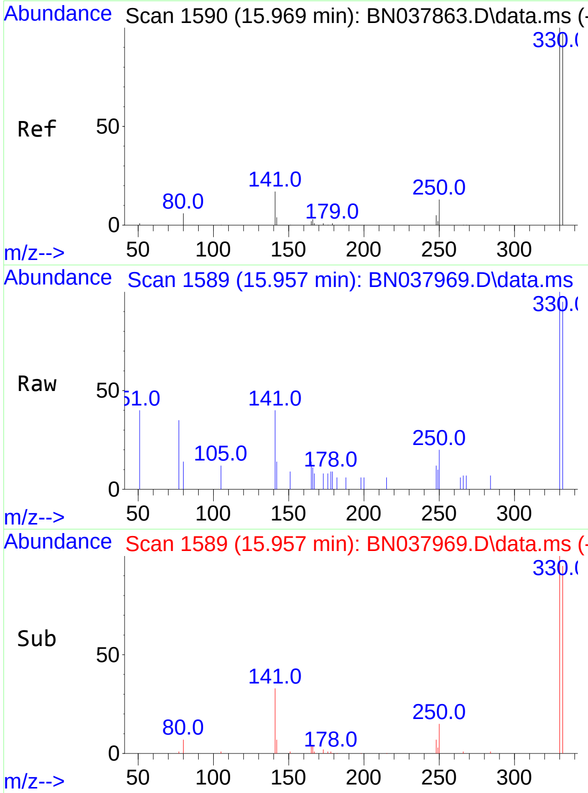
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.462 min Scan# 1455
Delta R.T. -0.011 min
Lab File: BN037969.D
Acq: 01 Oct 2025 06:00

Tgt Ion:164 Resp: 11396

Ion	Ratio	Lower	Upper
164	100		
162	105.9	84.8	127.2
160	56.9	46.1	69.1



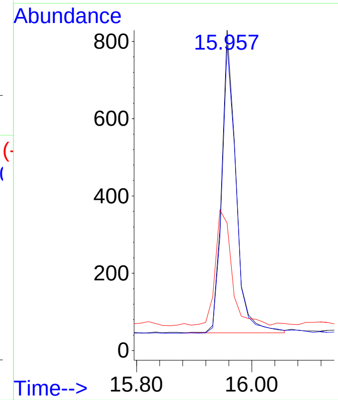
Instrument :
BNA_N
ClientSampleId :
MW203D-20250923

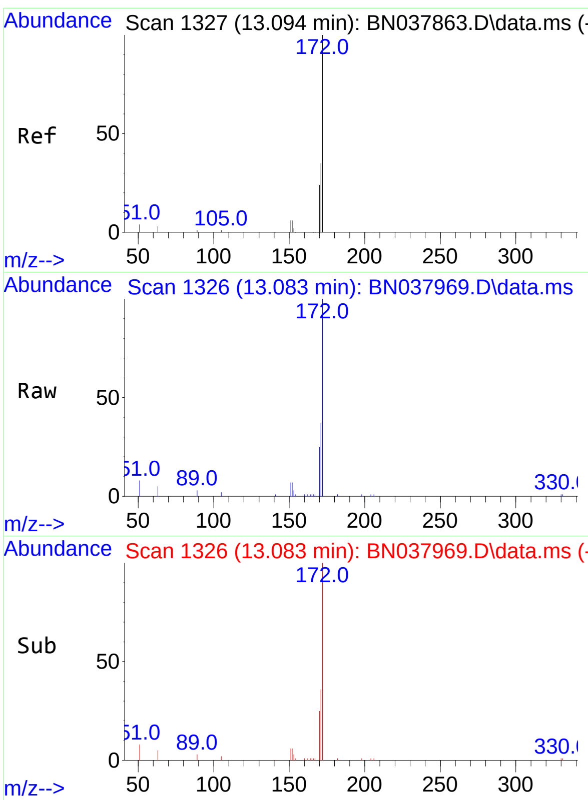


#14
2,4,6-Tribromophenol
Concen: 0.311 ng
RT: 15.957 min Scan# 1589
Delta R.T. -0.012 min
Lab File: BN037969.D
Acq: 01 Oct 2025 06:00

Tgt Ion:330 Resp: 1344

Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.2	115.8
141	45.0	37.2	55.8

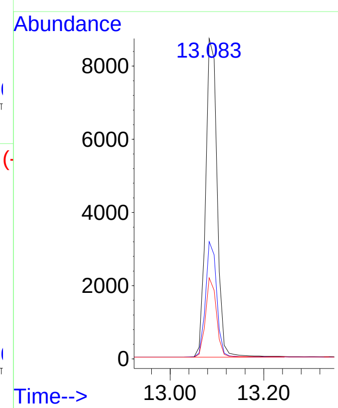




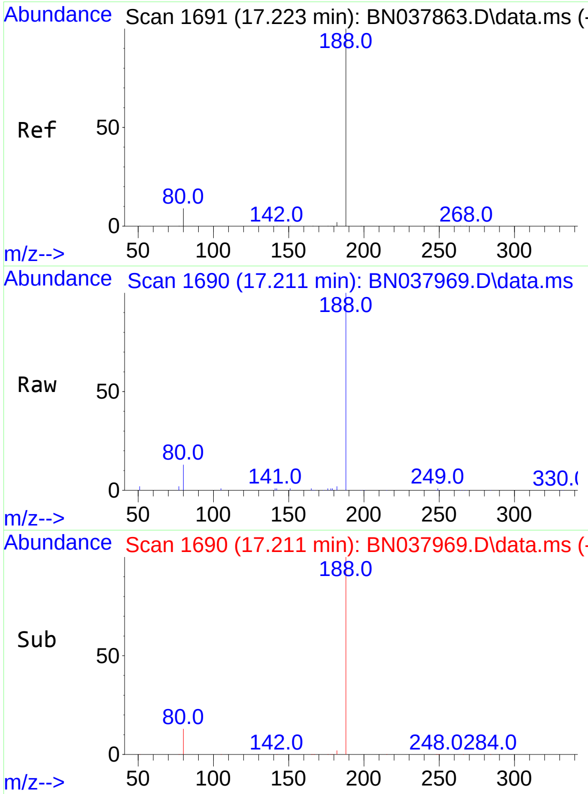
#15
2-Fluorobiphenyl
Concen: 0.319 ng
RT: 13.083 min Scan# 1326
Delta R.T. -0.011 min
Lab File: BN037969.D
Acq: 01 Oct 2025 06:00

Tgt Ion:172 Resp: 14897

Ion	Ratio	Lower	Upper
172	100		
171	36.6	28.6	43.0
170	25.3	19.7	29.5

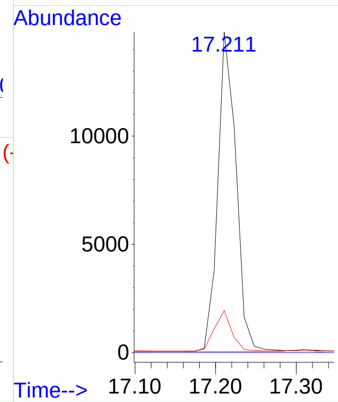


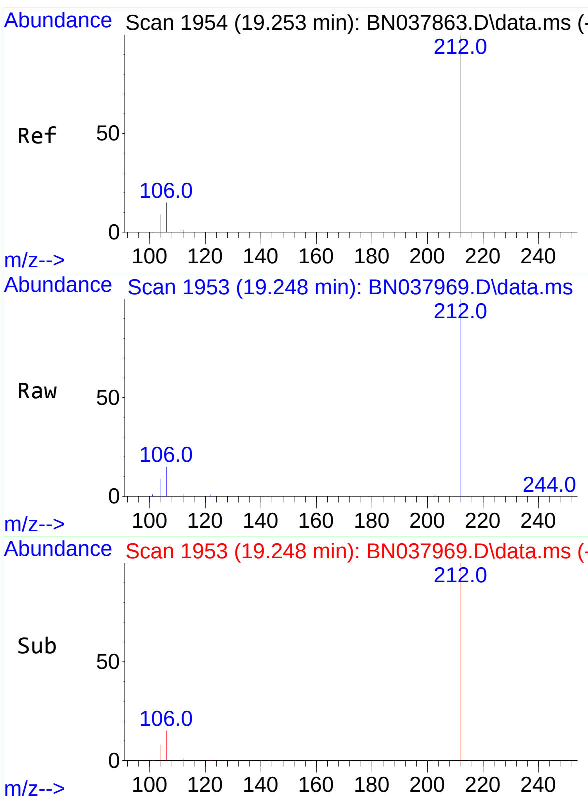
Instrument :
BNA_N
ClientSampleId :
MW203D-20250923




```
#19
Phenanthrene-d10
Concen:    0.400 ng
RT:  17.211 min  Scan# 1
Delta R.T.  -0.012 min
Lab File:   BN037969.D
Acq: 01 Oct 2025  06:00

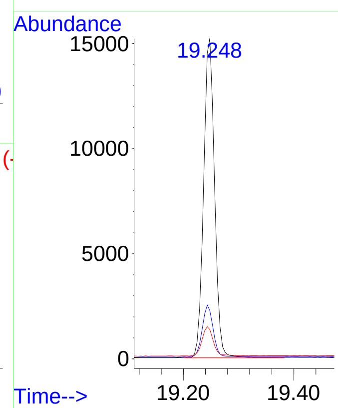
Tgt Ion:188 Resp:   23171
Ion  Ratio  Lower  Upper
188  100
 94    0.0    0.0    0.0
 80   13.0    7.6   11.4#
```





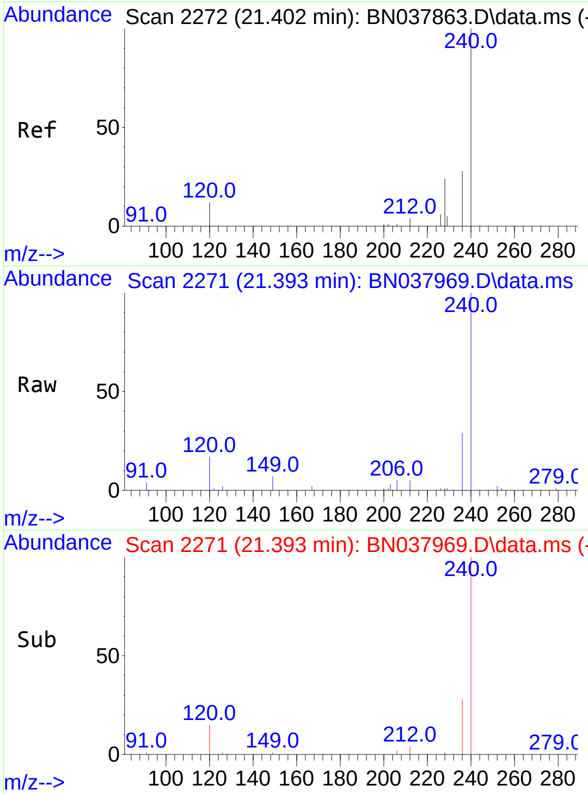

```
#27
Fluoranthene-d10
Concen:    0.361 ng
RT:  19.248 min  Scan# 1953
Delta R.T.  -0.005 min
Lab File:   BN037969.D
Acq: 01 Oct 2025  06:00

Tgt Ion:212 Resp:   21013
Ion  Ratio  Lower  Upper
212  100
106   16.3   12.6   19.0
104    9.4    7.4   11.0
```



Instrument : BNA_N
ClientSampleId : MW203D-20250923

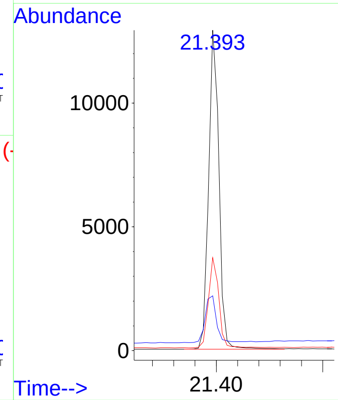
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

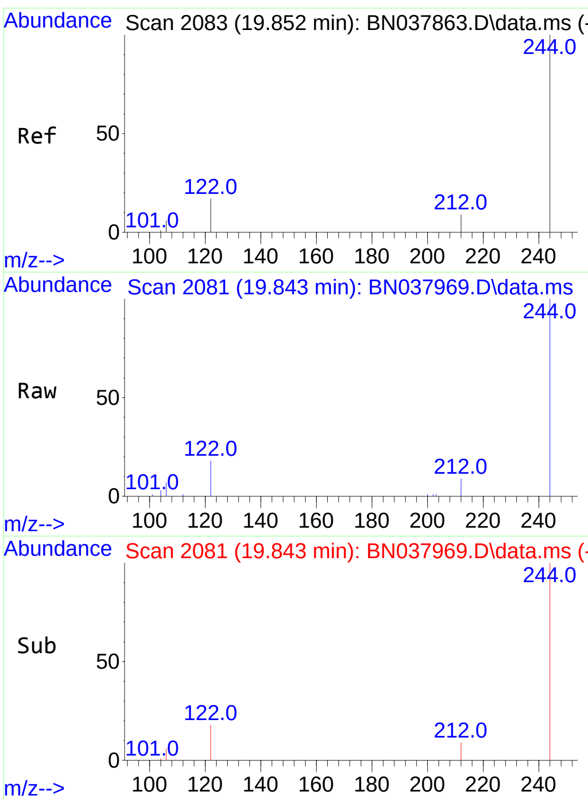


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.393 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037969.D
Acq: 01 Oct 2025 06:00

Tgt Ion:240 Resp: 17327

Ion	Ratio	Lower	Upper
240	100		
120	17.1	11.4	17.2
236	29.0	23.0	34.6

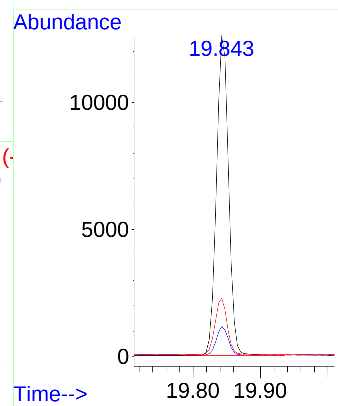




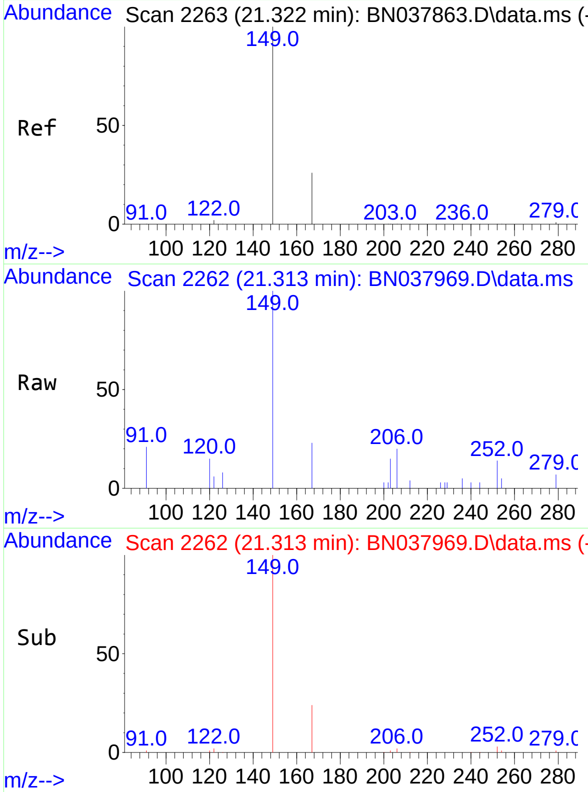
#31
Terphenyl-d14
Concen: 0.456 ng
RT: 19.843 min Scan# 2081
Delta R.T. -0.009 min
Lab File: BN037969.D
Acq: 01 Oct 2025 06:00

Tgt Ion:244 Resp: 15751

Ion	Ratio	Lower	Upper
244	100		
212	9.4	7.6	11.4
122	18.2	13.9	20.9



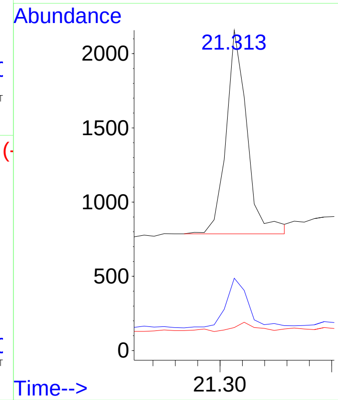
Instrument :
BNA_N
ClientSampleId :
MW203D-20250923

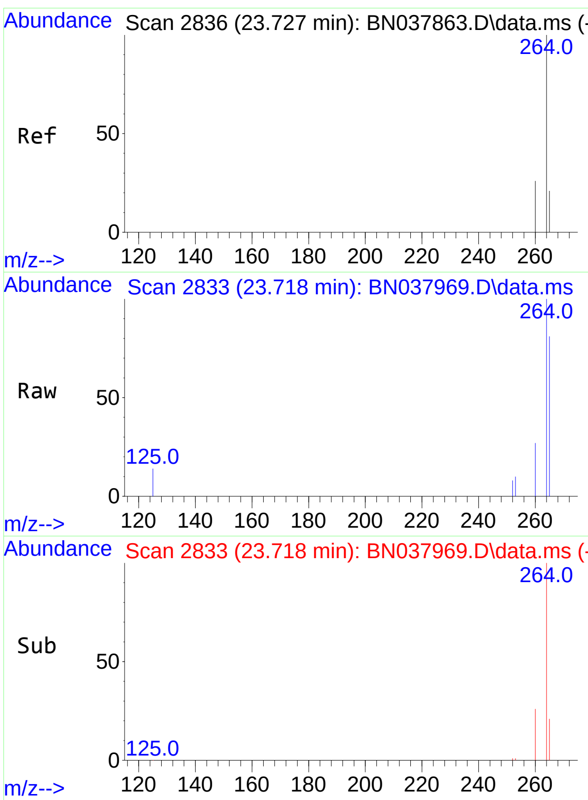


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.074 ng
RT: 21.313 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037969.D
Acq: 01 Oct 2025 06:00

Tgt Ion:149 Resp: 1784

Ion	Ratio	Lower	Upper
149	100		
167	26.5	20.4	30.6
279	4.8	2.4	3.6#

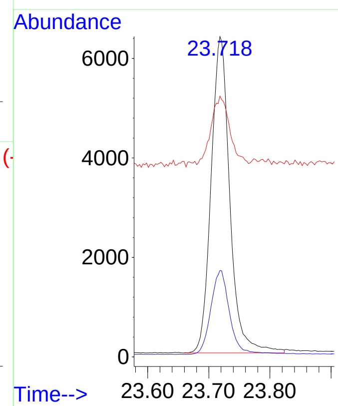




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.718 min Scan# 2833
Delta R.T. -0.009 min
Lab File: BN037969.D
Acq: 01 Oct 2025 06:00

Tgt Ion:264 Resp: 13520

Ion	Ratio	Lower	Upper
264	100		
260	27.0	21.5	32.3
265	81.4	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:	09/23/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	EB04-20250923	SDG No.:	Q3193
Lab Sample ID:	Q3193-19	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
BN037970.D	1	09/29/25 08:43	10/01/25 06:36	PB169886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.10	J	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.25		30 - 150		63%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.30		30 - 150		75%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.28		55 - 111		70%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.27		53 - 106		68%	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	7.811				
1146-65-2	Naphthalene-d8	20000	10.616				
15067-26-2	Acenaphthene-d10	10100	14.462				
1517-22-2	Phenanthrene-d10	18500	17.211				
1719-03-5	Chrysene-d12	12500	21.393				
1520-96-3	Perylene-d12	11300	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\BN093025\
Data File : BN037970.D
Acq On : 01 Oct 2025 06:36
Operator : RC/JU
Sample : Q3193-19
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
EB04-20250923

Quant Time: Oct 01 10:35:45 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

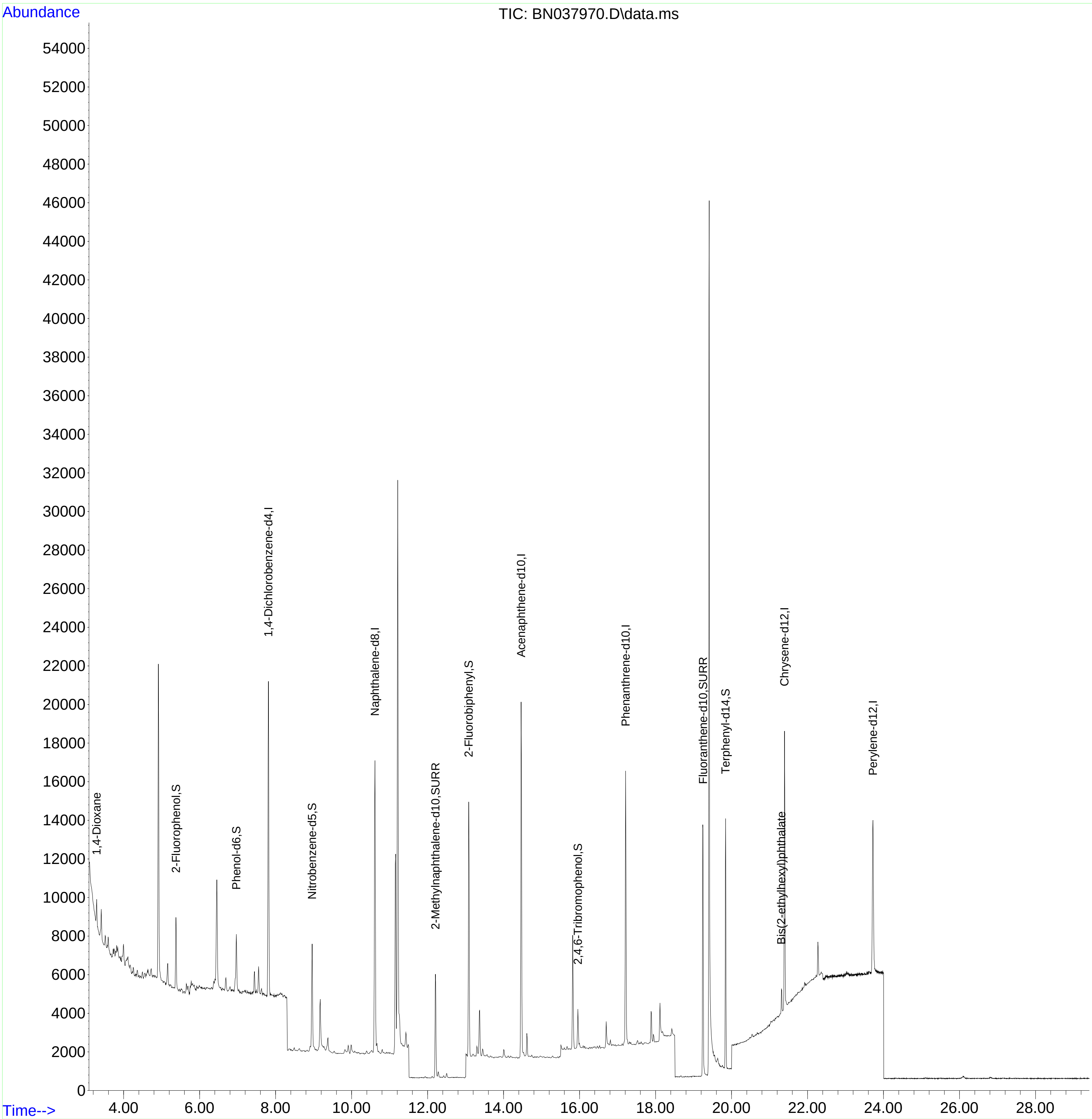
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.811	152	7743	0.400	ng	-0.01
7) Naphthalene-d8	10.616	136	20020	0.400	ng	-0.01
13) Acenaphthene-d10	14.462	164	10144	0.400	ng	-0.01
19) Phenanthrene-d10	17.211	188	18515	0.400	ng	#-0.01
29) Chrysene-d12	21.393	240	12540	0.400	ng	# 0.00
35) Perylene-d12	23.721	264	11301	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.377	112	2835	0.160	ng	0.00
5) Phenol-d6	6.966	99	2615	0.113	ng	0.00
8) Nitrobenzene-d5	8.961	82	4298	0.281	ng	-0.01
11) 2-Methylnaphthalene-d10	12.207	152	7052	0.254	ng	-0.01
14) 2,4,6-Tribromophenol	15.957	330	1101	0.286	ng	-0.01
15) 2-Fluorobiphenyl	13.083	172	11287	0.272	ng	-0.01
27) Fluoranthene-d10	19.248	212	14086	0.302	ng	0.00
31) Terphenyl-d14	19.843	244	11665	0.467	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.290	88	804	0.102	ng	# 22
34) Bis(2-ethylhexyl)phtha...	21.313	149	1426	0.082	ng	100

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN093025\
Data File : BN037970.D
Acq On : 01 Oct 2025 06:36
Operator : RC/JU
Sample : Q3193-19
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
EB04-20250923

Quant Time: Oct 01 10:35:45 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
2
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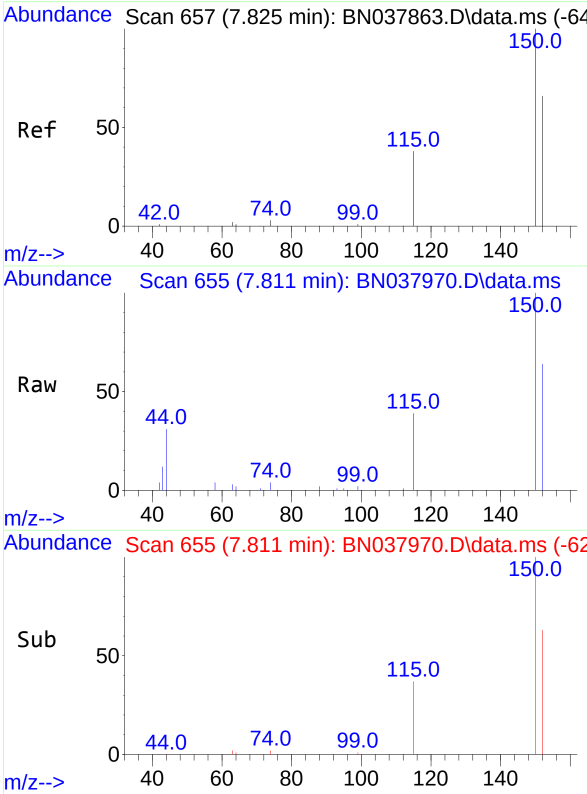
17

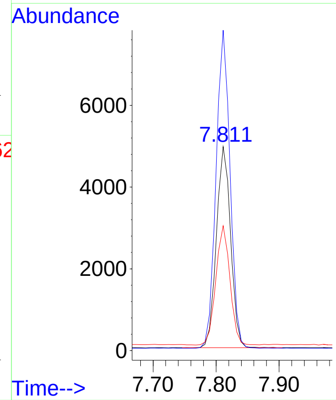
Instrument :
BNA_N
ClientSampleId :
EB04-20250923

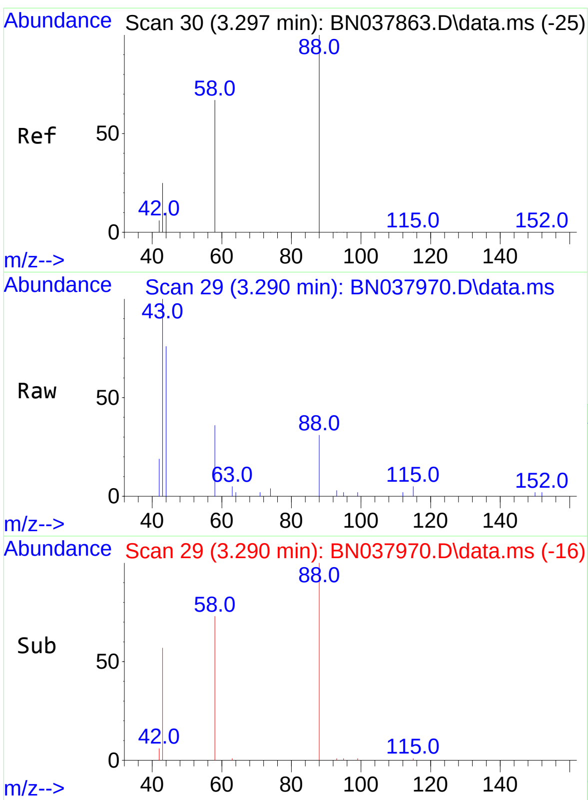


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.811 min Scan# 655
Delta R.T. -0.014 min
Lab File: BN037970.D
Acq: 01 Oct 2025 06:36

Tgt Ion:152 Resp: 7743

Ion	Ratio	Lower	Upper
152	100		
150	157.1	121.0	181.4
115	61.2	47.4	71.0

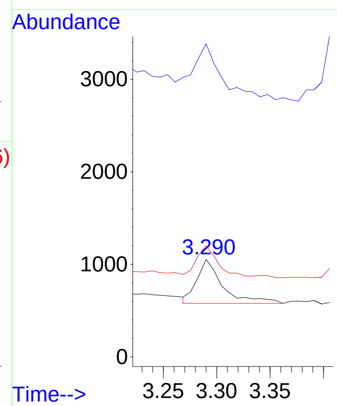




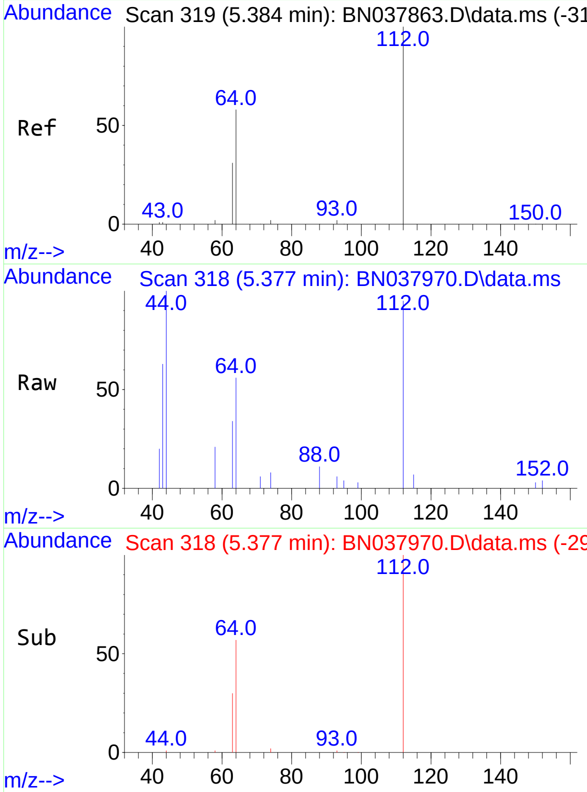
#2
1,4-Dioxane
Concen: 0.102 ng
RT: 3.290 min Scan# 29
Delta R.T. -0.007 min
Lab File: BN037970.D
Acq: 01 Oct 2025 06:36

Tgt Ion: 88 Resp: 804

Ion	Ratio	Lower	Upper
88	100		
43	145.4	26.6	39.8#
58	53.7	58.9	88.3#



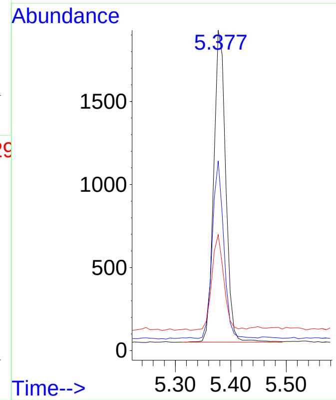
Instrument :
BNA_N
ClientSampleId :
EB04-20250923

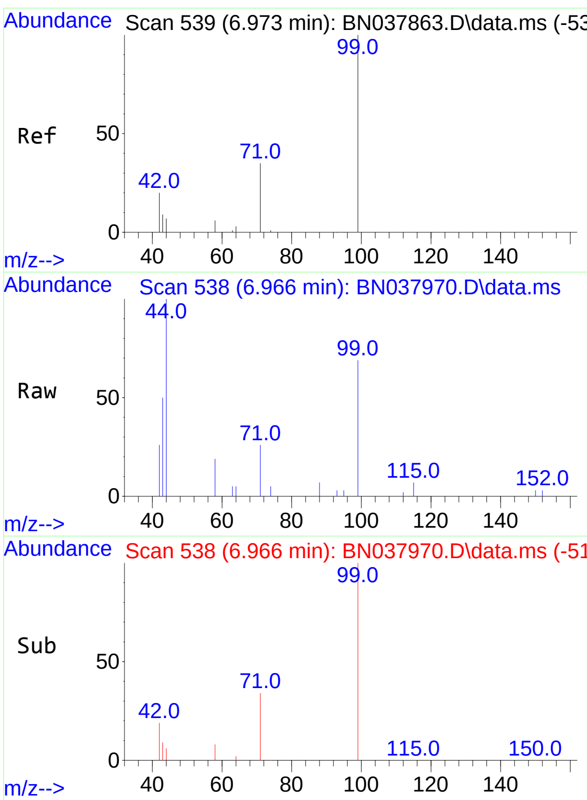


#4
2-Fluorophenol
Concen: 0.160 ng
RT: 5.377 min   Scan# 3
Delta R.T.   -0.007 min
Lab File: BN037970.D
Acq: 01 Oct 2025   06:36

Tgt Ion:112 Resp: 2835

Ion	Ratio	Lower	Upper
112	100		
64	54.8	44.6	66.8
63	30.9	24.9	37.3

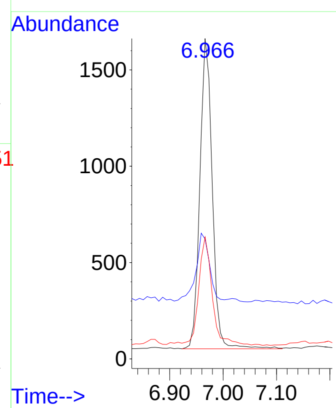




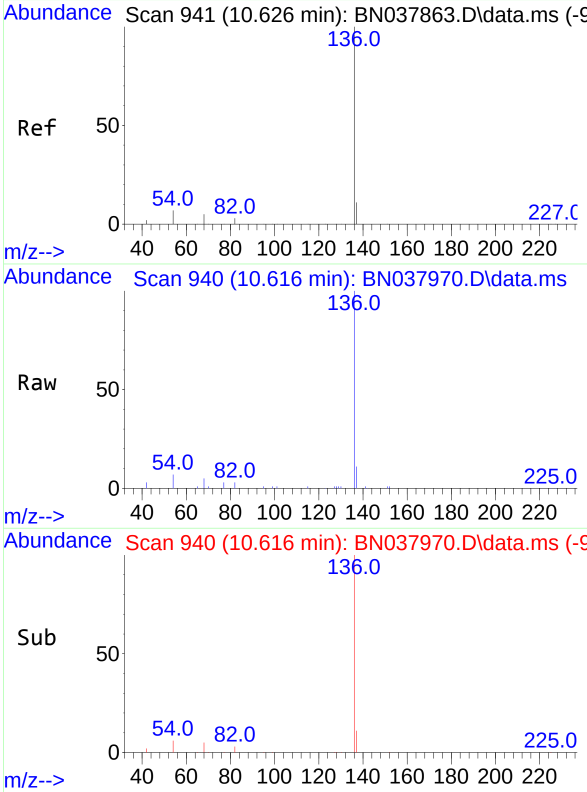
#5
Phenol-d6
Concen: 0.113 ng
RT: 6.966 min   Scan# 538
Delta R.T.   -0.007 min
Lab File: BN037970.D
Acq: 01 Oct 2025   06:36

Tgt Ion: 99 Resp: 2615

Ion	Ratio	Lower	Upper
99	100		
42	23.3	17.2	25.8
71	37.9	27.3	40.9



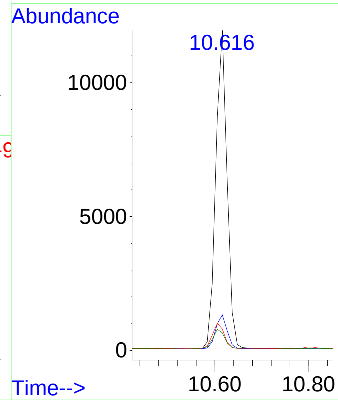
Instrument :
BNA_N
ClientSampleId :
EB04-20250923

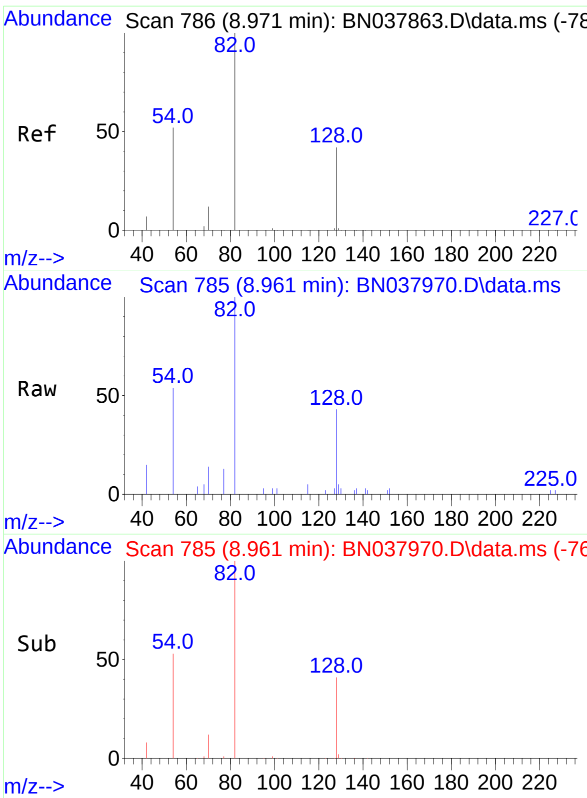


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.616 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037970.D
Acq: 01 Oct 2025 06:36

Tgt Ion:136 Resp: 20020

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	6.7	5.8	8.8
68	5.5	4.3	6.5

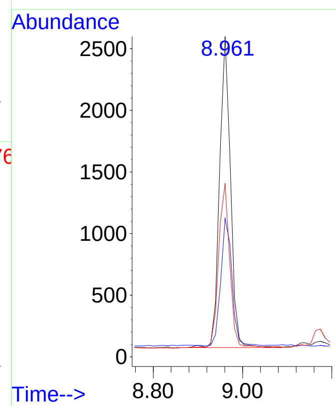




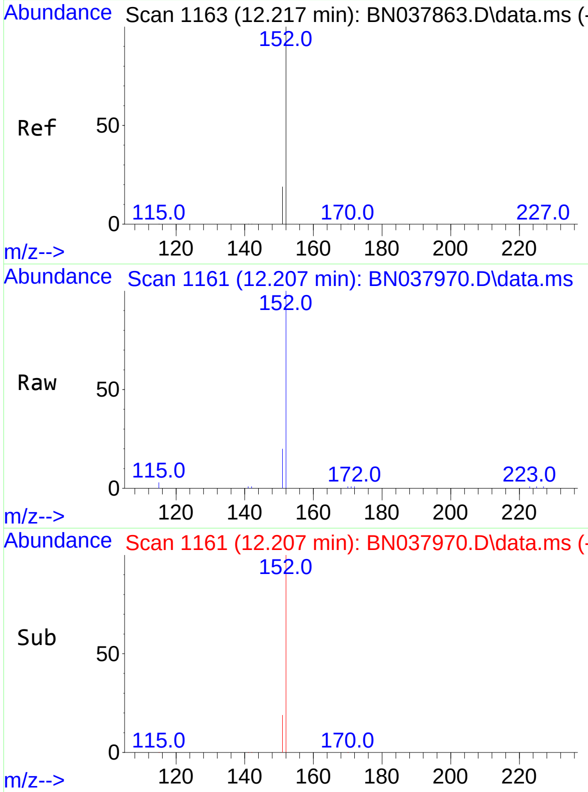
#8
Nitrobenzene-d5
Concen: 0.281 ng
RT: 8.961 min Scan# 785
Delta R.T. -0.011 min
Lab File: BN037970.D
Acq: 01 Oct 2025 06:36

Tgt Ion: 82 Resp: 4298

Ion	Ratio	Lower	Upper
82	100		
128	43.2	34.8	52.2
54	54.1	42.2	63.2



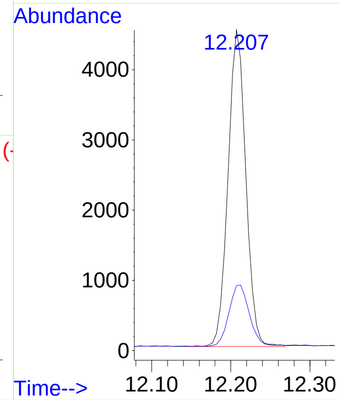
Instrument :
BNA_N
ClientSampleId :
EB04-20250923

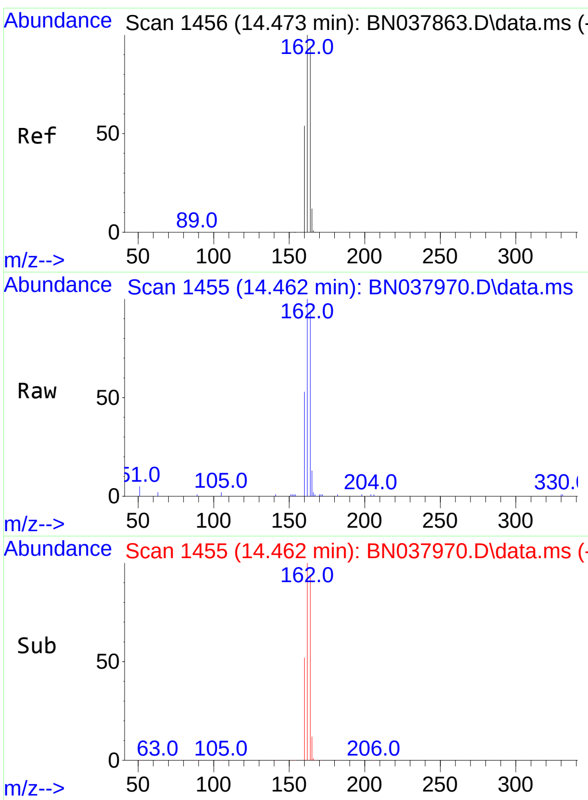


#11
2-Methylnaphthalene-d10
Concen: 0.254 ng
RT: 12.207 min Scan# 1
Delta R.T. -0.010 min
Lab File: BN037970.D
Acq: 01 Oct 2025 06:36

Tgt Ion:152 Resp: 7052

Ion	Ratio	Lower	Upper
152	100		
151	22.2	17.4	26.2

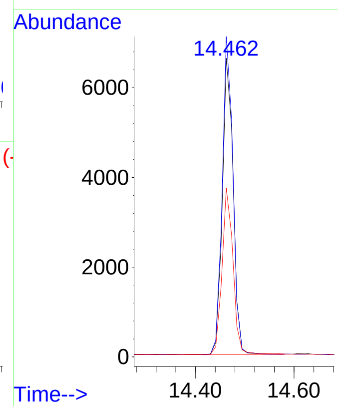




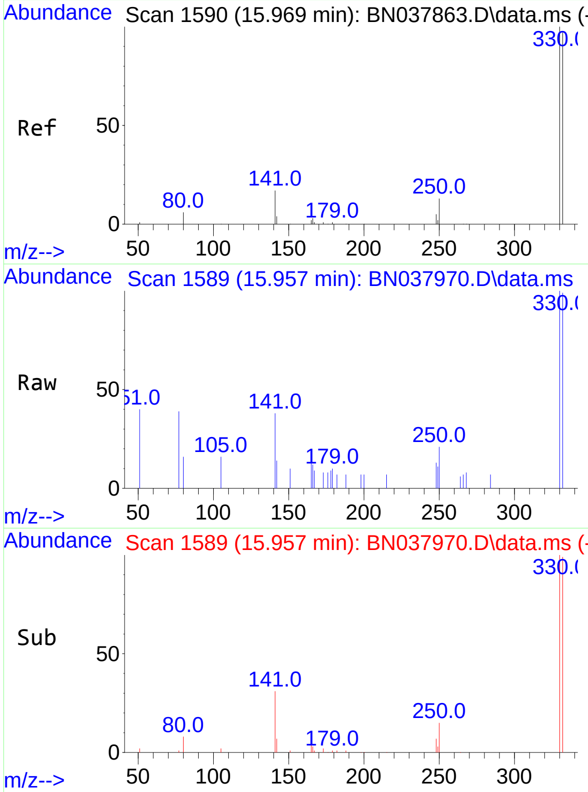
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.462 min Scan# 1455
Delta R.T. -0.011 min
Lab File: BN037970.D
Acq: 01 Oct 2025 06:36

Tgt Ion:164 Resp: 10144

Ion	Ratio	Lower	Upper
164	100		
162	107.3	84.8	127.2
160	56.5	46.1	69.1



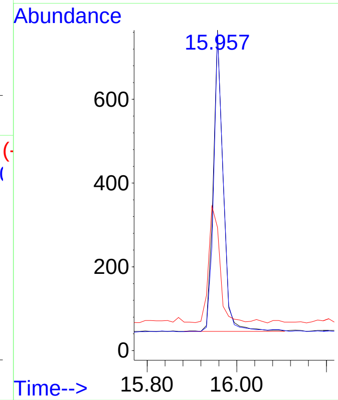
Instrument :
BNA_N
ClientSampleId :
EB04-20250923

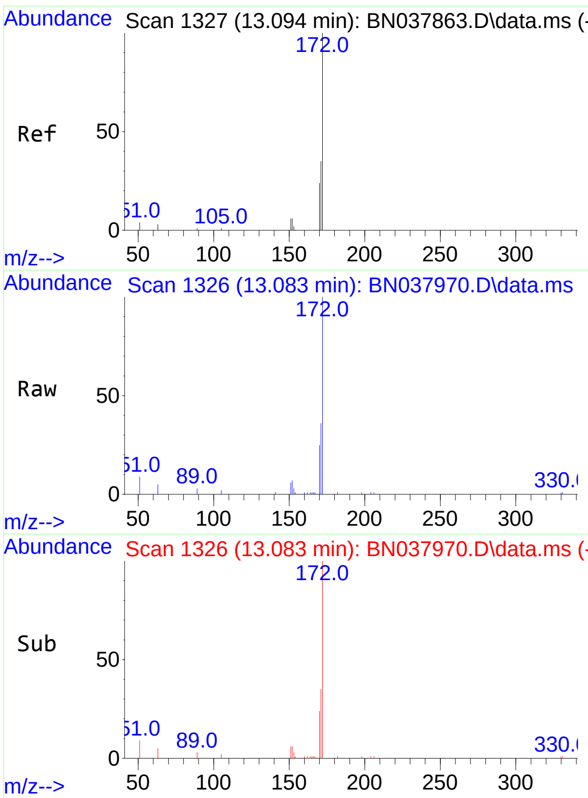


#14
2,4,6-Tribromophenol
Concen: 0.286 ng
RT: 15.957 min Scan# 1
Delta R.T.   -0.012 min
Lab File: BN037970.D
Acq: 01 Oct 2025 06:36

Tgt Ion:330 Resp: 1101

Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.2	115.8
141	43.5	37.2	55.8

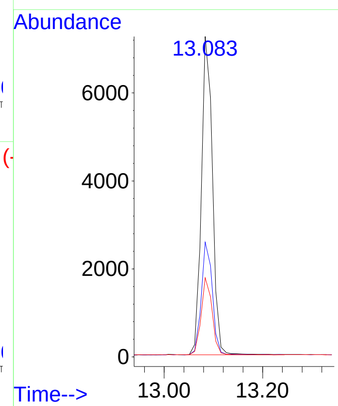




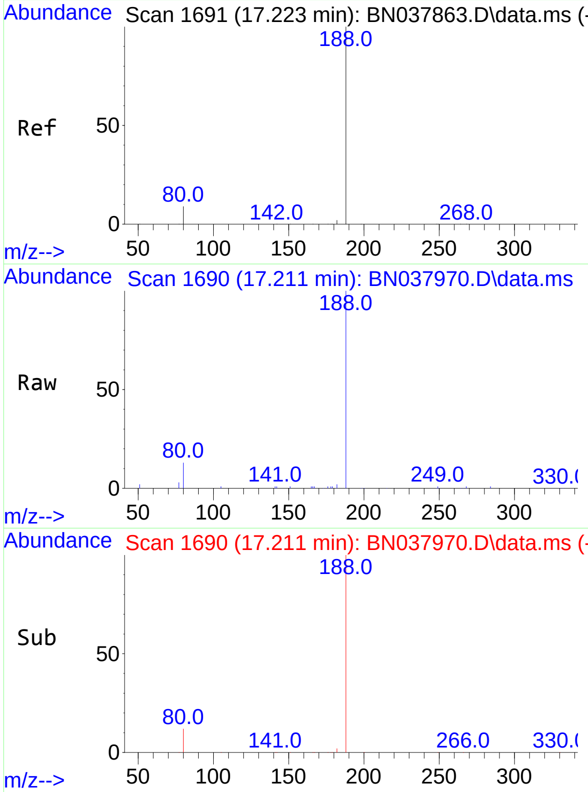
#15
2-Fluorobiphenyl
Concen: 0.272 ng
RT: 13.083 min Scan# 1326
Delta R.T.   -0.011 min
Lab File: BN037970.D
Acq: 01 Oct 2025 06:36

Tgt Ion:172 Resp: 11287

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.6	43.0
170	24.7	19.7	29.5



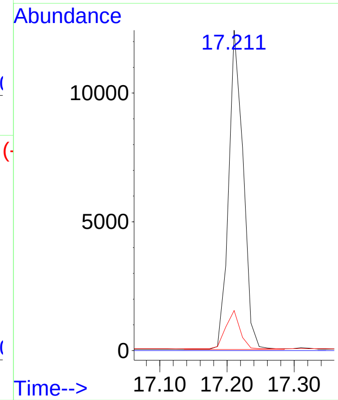
Instrument :
BNA_N
ClientSampleId :
EB04-20250923

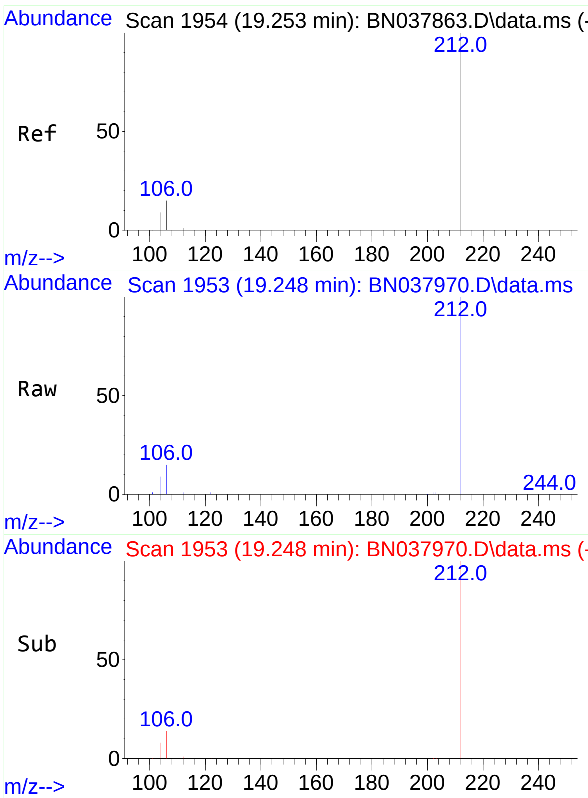


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.211 min Scan# 1
Delta R.T.   -0.012 min
Lab File: BN037970.D
Acq: 01 Oct 2025   06:36

Tgt Ion:188 Resp: 18515

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	12.5	7.6	11.4#

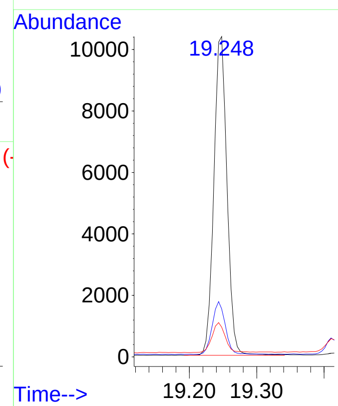




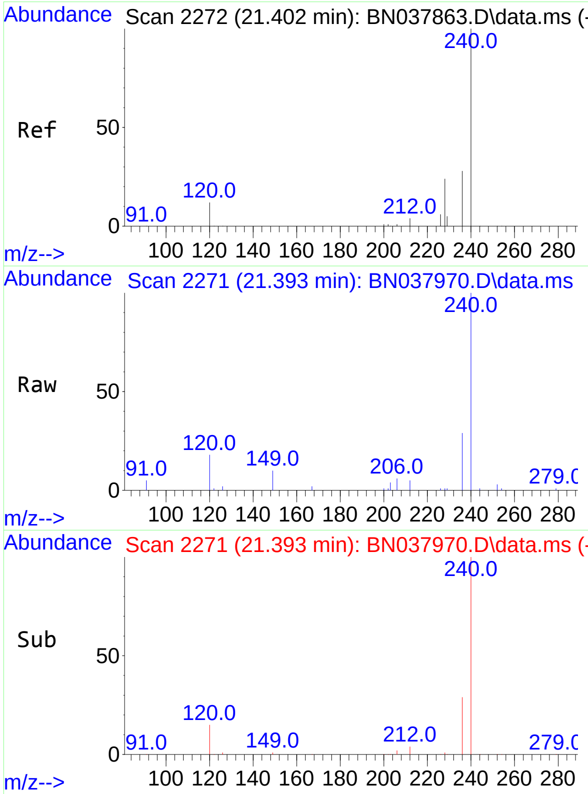
#27
Fluoranthene-d10
Concen: 0.302 ng
RT: 19.248 min Scan# 1953
Delta R.T.   -0.005 min
Lab File: BN037970.D
Acq: 01 Oct 2025   06:36

Tgt Ion:212 Resp: 14086

Ion	Ratio	Lower	Upper
212	100		
106	16.3	12.6	19.0
104	9.7	7.4	11.0



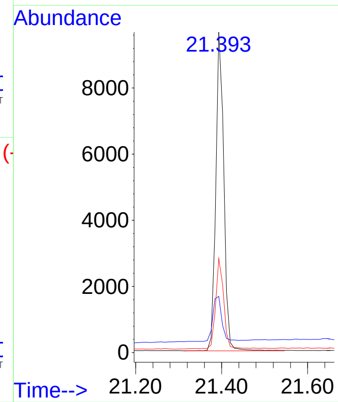
Instrument :
BNA_N
ClientSampleId :
EB04-20250923

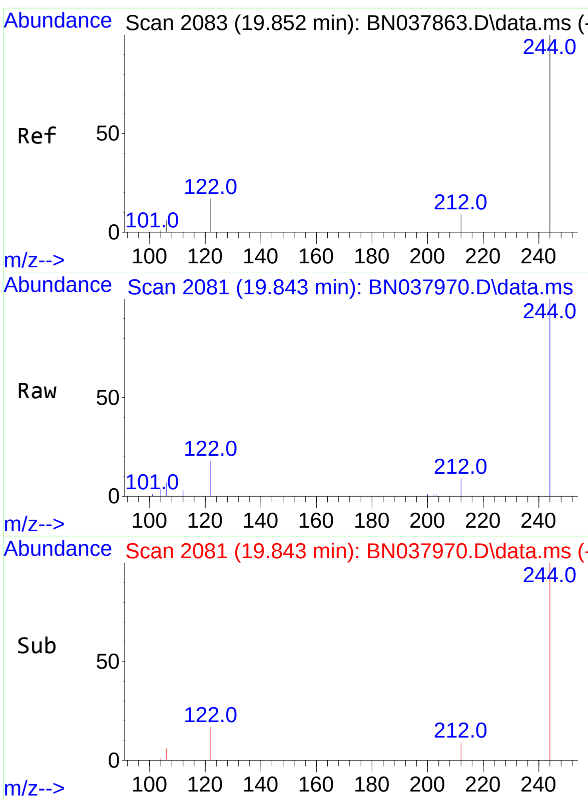


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.393 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037970.D
Acq: 01 Oct 2025 06:36

Tgt Ion:240 Resp: 12540

Ion	Ratio	Lower	Upper
240	100		
120	17.6	11.4	17.2#
236	29.4	23.0	34.6

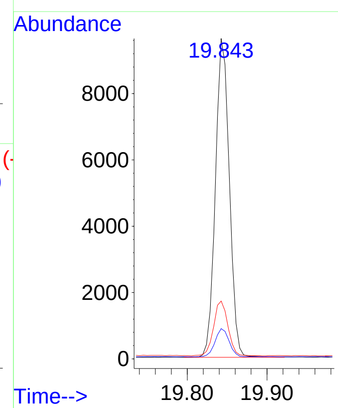




#31
Terphenyl-d14
Concen: 0.467 ng
RT: 19.843 min Scan# 2081
Delta R.T. -0.009 min
Lab File: BN037970.D
Acq: 01 Oct 2025 06:36

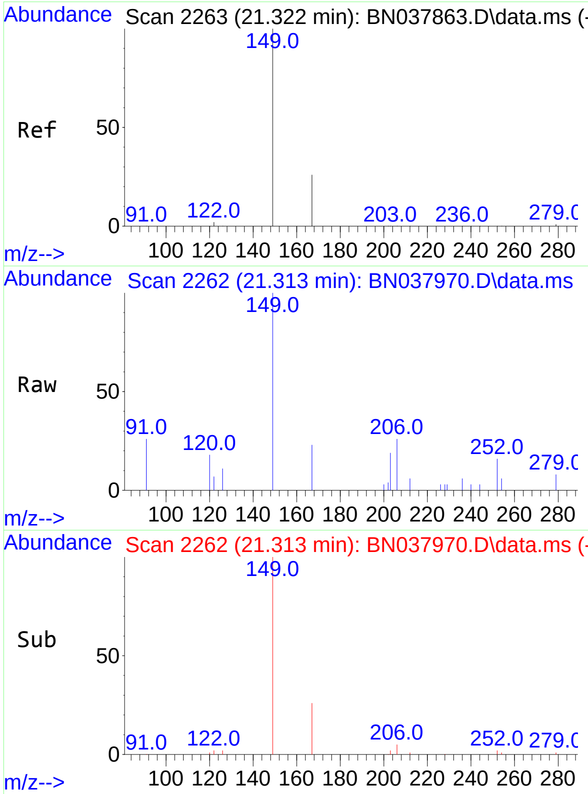
Tgt Ion:244 Resp: 11665

Ion	Ratio	Lower	Upper
244	100		
212	9.4	7.6	11.4
122	18.0	13.9	20.9



Instrument : BNA_N
ClientSampleId : EB04-20250923

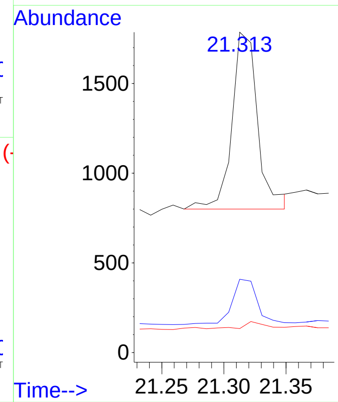
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

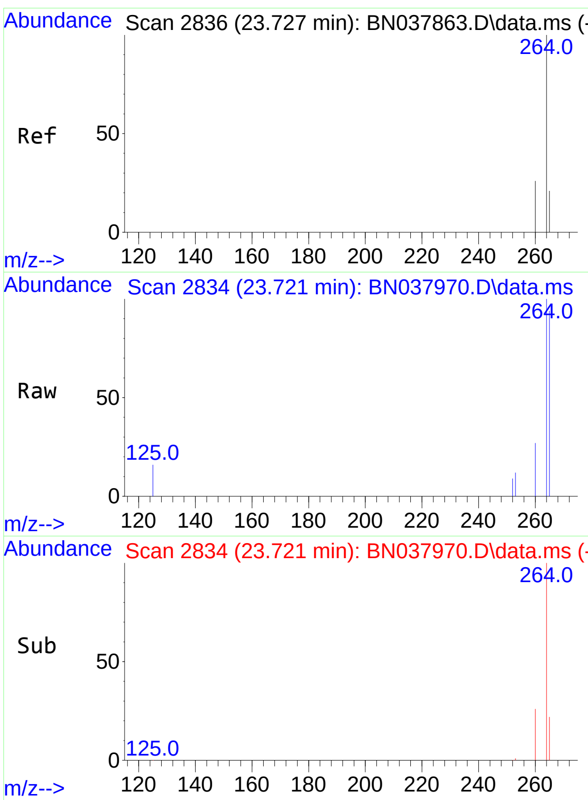


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.082 ng
RT: 21.313 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037970.D
Acq: 01 Oct 2025 06:36

Tgt Ion:149 Resp: 1426

Ion	Ratio	Lower	Upper
149	100		
167	25.7	20.4	30.6
279	3.2	2.4	3.6

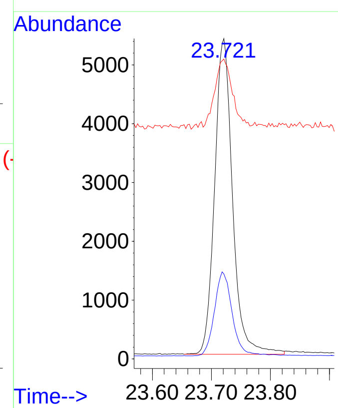




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.721 min Scan# 2834
Delta R.T. -0.006 min
Lab File: BN037970.D
Acq: 01 Oct 2025 06:36

Tgt Ion:264 Resp: 11301

Ion	Ratio	Lower	Upper
264	100		
260	26.5	21.5	32.3
265	93.6	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:	09/24/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	TT174I1-20250924	SDG No.:	Q3193
Lab Sample ID:	Q3193-20	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
BN037971.D	1	09/29/25 08:43	10/01/25 07:13	PB169886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.51		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.30		30 - 150		74%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.39		30 - 150		98%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.30		55 - 111		75%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.34		53 - 106		84%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.47		58 - 132		118%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7090	7.811				
1146-65-2	Naphthalene-d8	20600	10.616				
15067-26-2	Acenaphthene-d10	11000	14.463				
1517-22-2	Phenanthrene-d10	22500	17.211				
1719-03-5	Chrysene-d12	18100	21.393				
1520-96-3	Perylene-d12	15000	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\BN093025\
Data File : BN037971.D
Acq On : 01 Oct 2025 07:13
Operator : RC/JU
Sample : Q3193-20
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
TT174I1-20250924

Quant Time: Oct 01 10:36:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration

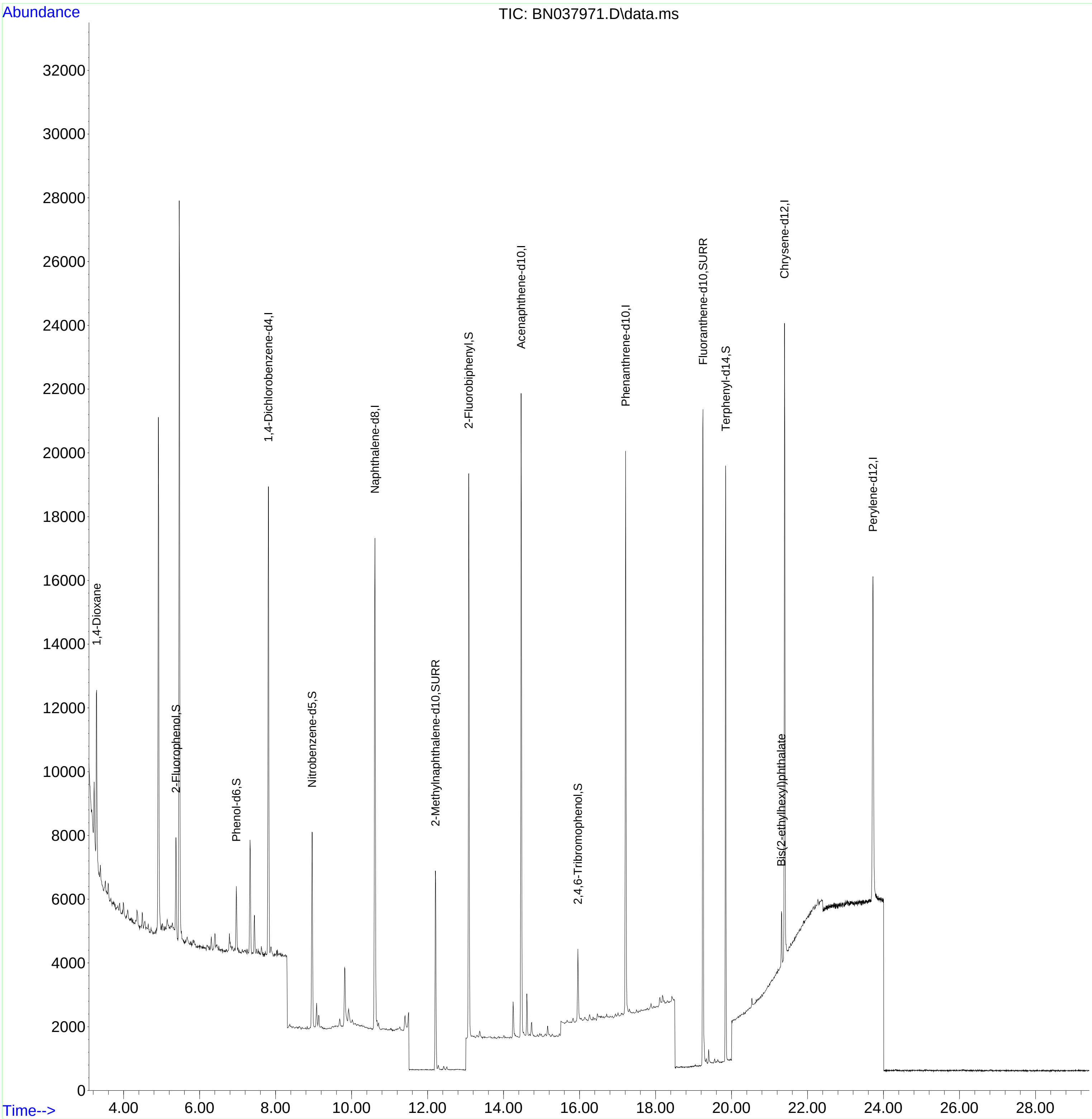
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	7.811	152	7086	0.400 ng	-0.01
7) Naphthalene-d8	10.616	136	20607	0.400 ng	-0.01
13) Acenaphthene-d10	14.463	164	11008	0.400 ng	-0.01
19) Phenanthrene-d10	17.211	188	22531	0.400 ng	#-0.01
29) Chrysene-d12	21.393	240	18077	0.400 ng	# 0.00
35) Perylene-d12	23.721	264	14968	0.400 ng	0.00
System Monitoring Compounds					
4) 2-Fluorophenol	5.377	112	2309	0.143 ng	0.00
5) Phenol-d6	6.966	99	1833	0.086 ng	0.00
8) Nitrobenzene-d5	8.961	82	4750	0.302 ng	-0.01
11) 2-Methylnaphthalene-d10	12.207	152	8479	0.296 ng	-0.01
14) 2,4,6-Tribromophenol	15.957	330	1288	0.309 ng	-0.01
15) 2-Fluorobiphenyl	13.083	172	15131	0.336 ng	-0.01
27) Fluoranthene-d10	19.248	212	22343	0.394 ng	0.00
31) Terphenyl-d14	19.847	244	16961	0.471 ng	0.00
Target Compounds					Qvalue
2) 1,4-Dioxane	3.290	88	3650	0.507 ng	# 95
34) Bis(2-ethylhexyl)phtha...	21.313	149	1966	0.079 ng	# 98

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

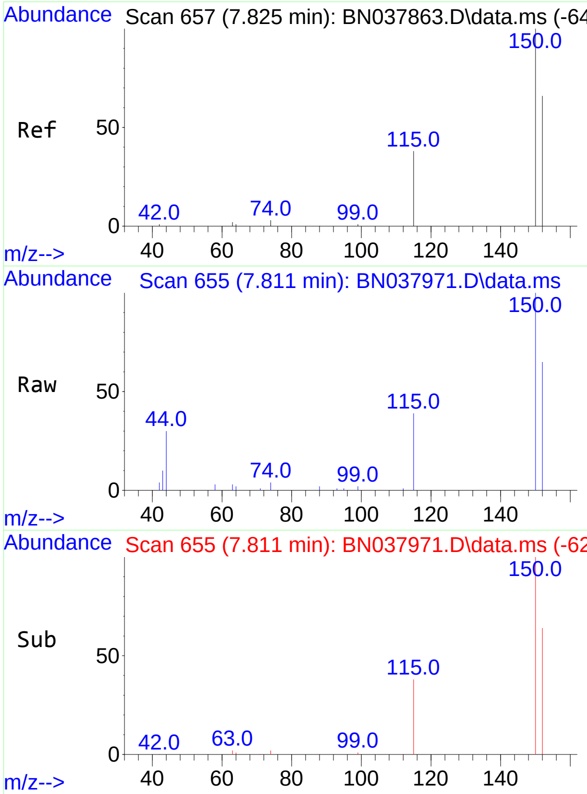
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN093025\
Data File : BN037971.D
Acq On : 01 Oct 2025 07:13
Operator : RC/JU
Sample : Q3193-20
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
TT174I1-20250924

Quant Time: Oct 01 10:36:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration



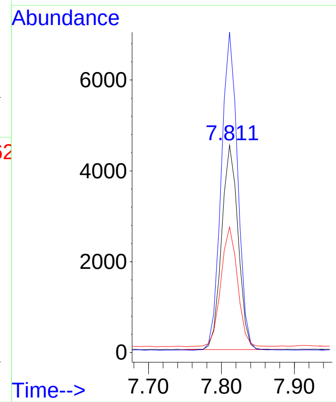
Instrument : BNA_N
ClientSampleId : TT174I1-20250924

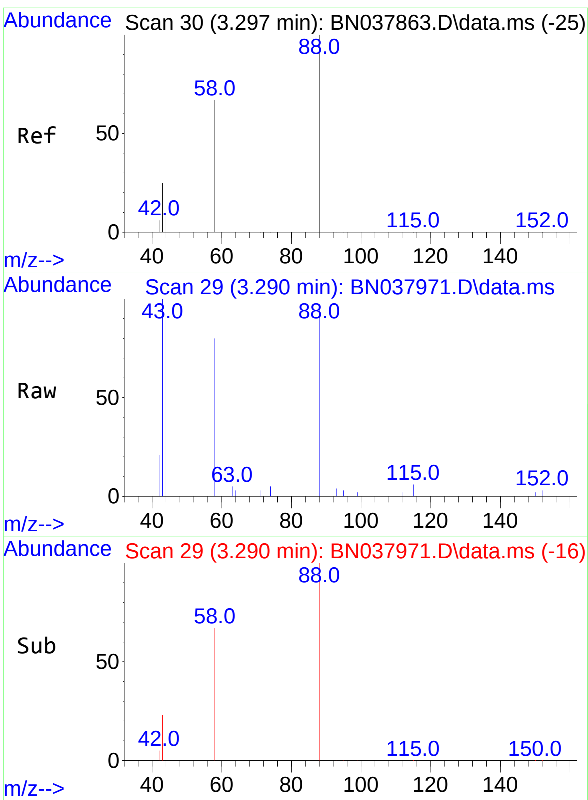


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.811 min Scan# 6
Delta R.T. -0.014 min
Lab File: BN037971.D
Acq: 01 Oct 2025 07:13

Tgt Ion:152 Resp: 7086

Ion	Ratio	Lower	Upper
152	100		
150	154.5	121.0	181.4
115	60.6	47.4	71.0

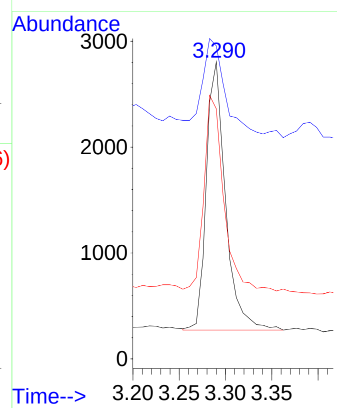




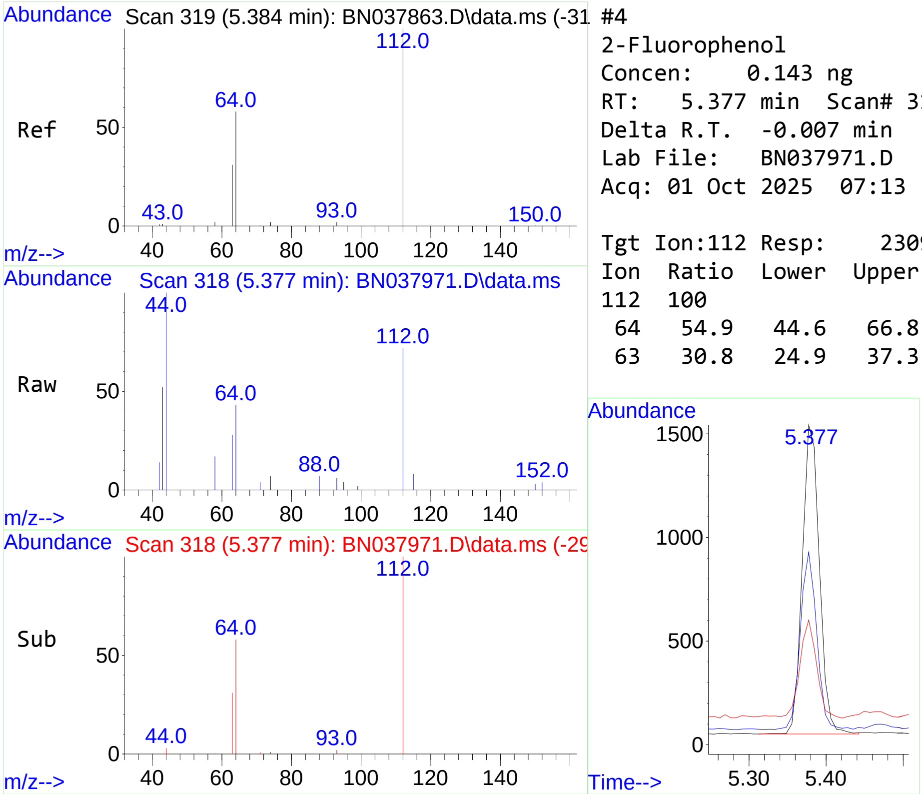
#2
1,4-Dioxane
Concen: 0.507 ng
RT: 3.290 min Scan# 29
Delta R.T. -0.007 min
Lab File: BN037971.D
Acq: 01 Oct 2025 07:13

Tgt Ion: 88 Resp: 3650

Ion	Ratio	Lower	Upper
88	100		
43	40.5	26.6	39.8#
58	74.5	58.9	88.3



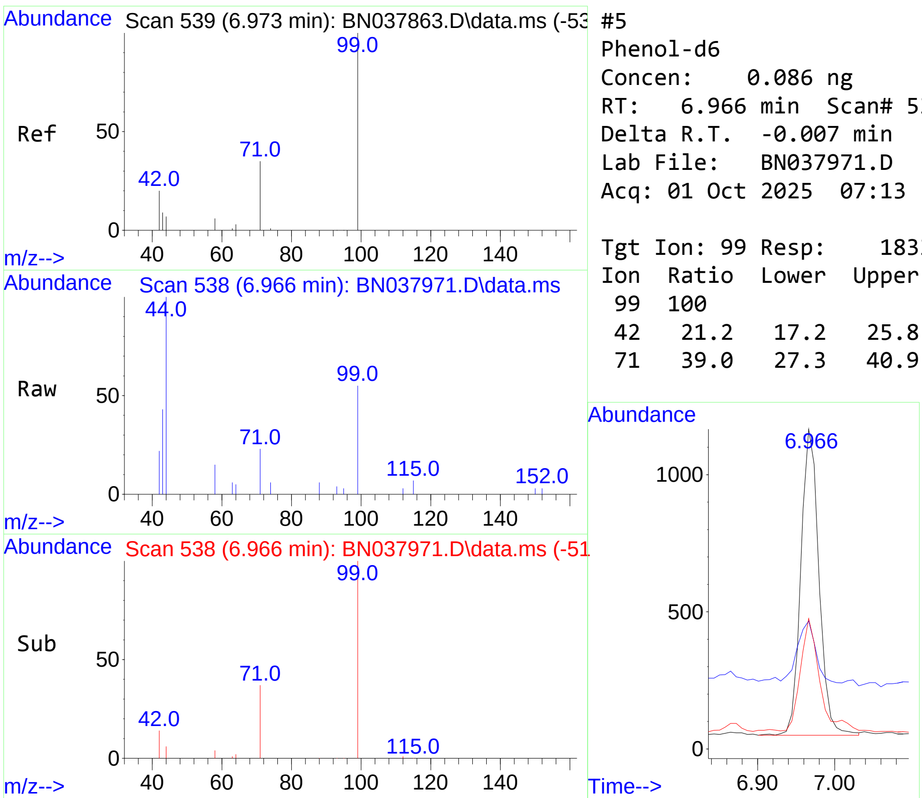
Instrument : BNA_N
ClientSampleId : TT174I1-20250924



#4
2-Fluorophenol
Concen: 0.143 ng
RT: 5.377 min   Scan# 3
Delta R.T.   -0.007 min
Lab File: BN037971.D
Acq: 01 Oct 2025   07:13

Tgt Ion:112 Resp: 2309

Ion	Ratio	Lower	Upper
112	100		
64	54.9	44.6	66.8
63	30.8	24.9	37.3

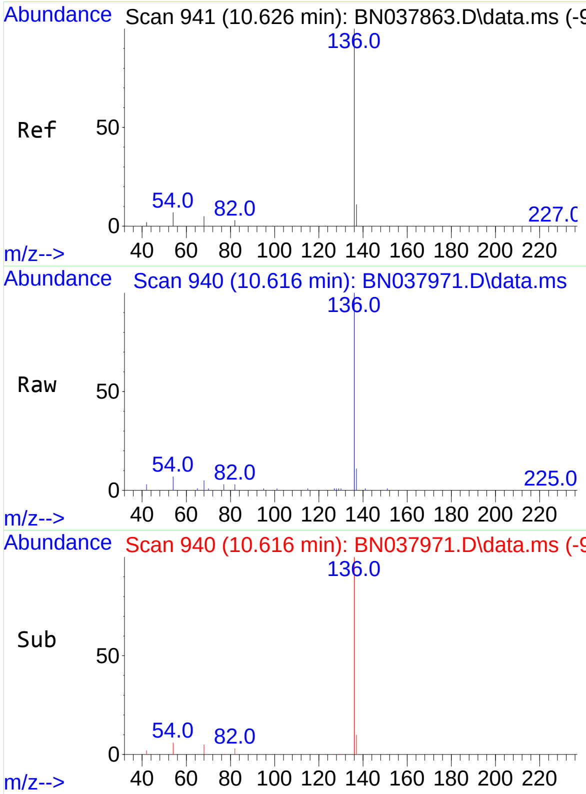


#5
Phenol-d6
Concen: 0.086 ng
RT: 6.966 min   Scan# 538
Delta R.T.   -0.007 min
Lab File: BN037971.D
Acq: 01 Oct 2025   07:13

Tgt Ion: 99 Resp: 1833

Ion	Ratio	Lower	Upper
99	100		
42	21.2	17.2	25.8
71	39.0	27.3	40.9

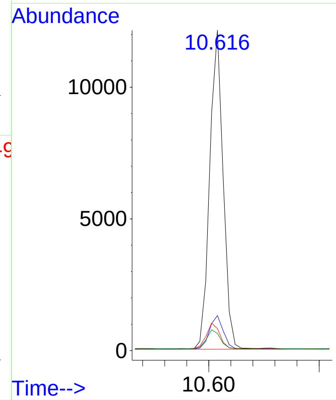
Instrument :
BNA_N
ClientSampleId :
TT174I1-20250924

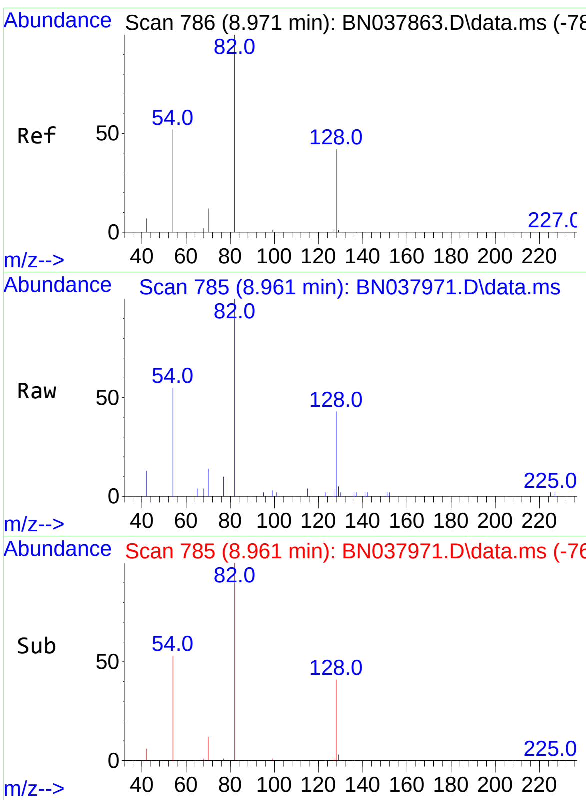


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.616 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037971.D
Acq: 01 Oct 2025 07:13

Tgt Ion:136 Resp: 20607

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.4
54	6.8	5.8	8.8
68	5.4	4.3	6.5

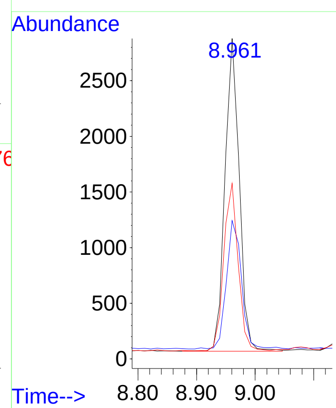




#8
Nitrobenzene-d5
Concen: 0.302 ng
RT: 8.961 min Scan# 785
Delta R.T. -0.011 min
Lab File: BN037971.D
Acq: 01 Oct 2025 07:13

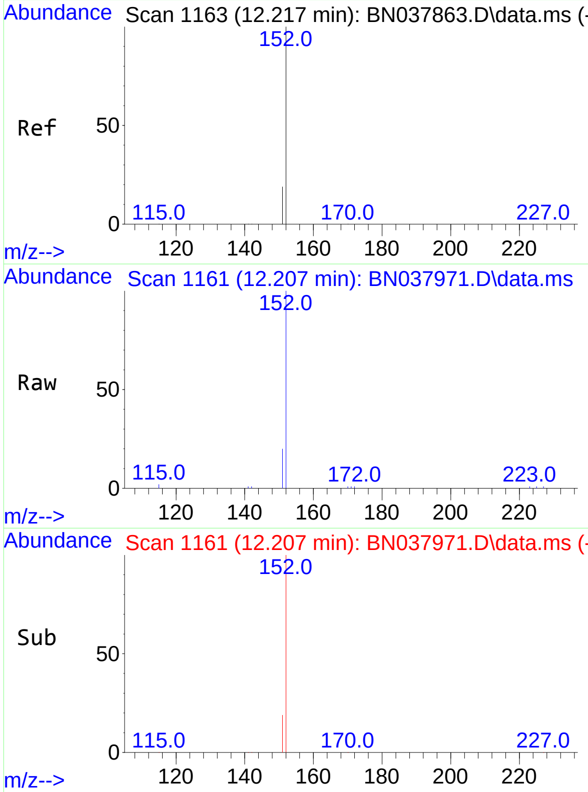
Tgt Ion: 82 Resp: 4750

Ion	Ratio	Lower	Upper
82	100		
128	43.1	34.8	52.2
54	54.7	42.2	63.2



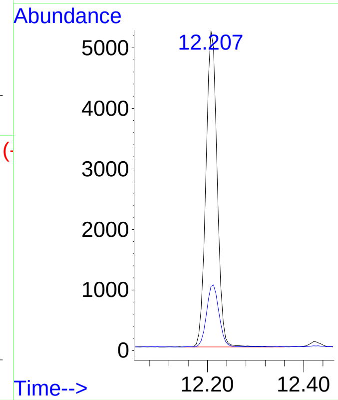
Instrument :
BNA_N
ClientSampleId :
TT174I1-20250924

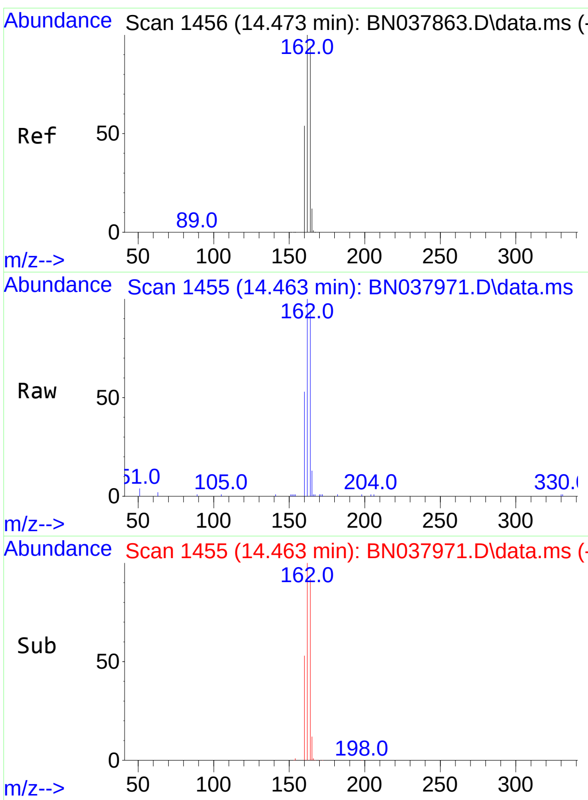
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17




```
#11
2-Methylnaphthalene-d10
Concen:     0.296 ng
RT:  12.207 min  Scan# 1
Delta R.T.   -0.010 min
Lab File:    BN037971.D
Acq: 01 Oct 2025   07:13

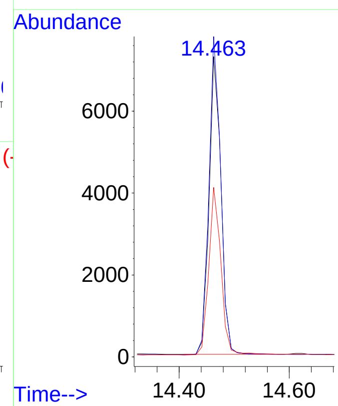
Tgt Ion:152 Resp:     8479
Ion   Ratio   Lower   Upper
152   100
151    21.5    17.4    26.2
```



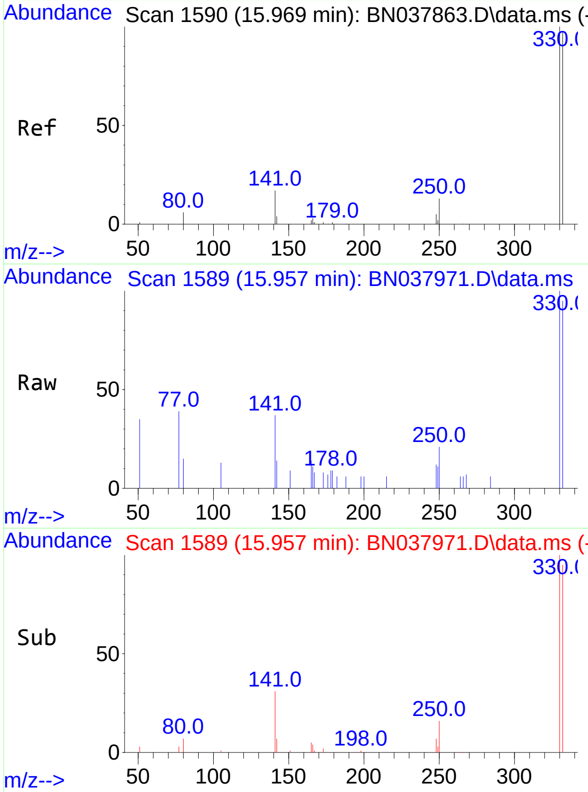



```
#13
Acenaphthene-d10
Concen:     0.400 ng
RT:  14.463 min  Scan# 1455
Delta R.T.   -0.011 min
Lab File:    BN037971.D
Acq: 01 Oct 2025   07:13

Tgt Ion:164 Resp:    11008
Ion   Ratio   Lower   Upper
164   100
162   106.7    84.8   127.2
160    56.4    46.1    69.1
```



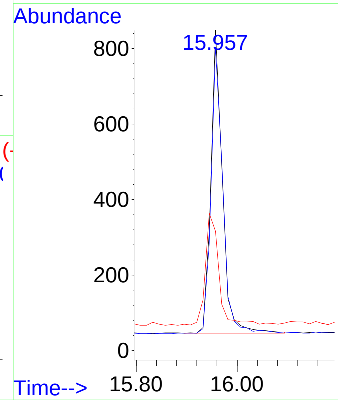
Instrument :
BNA_N
ClientSampleId :
TT174I1-20250924

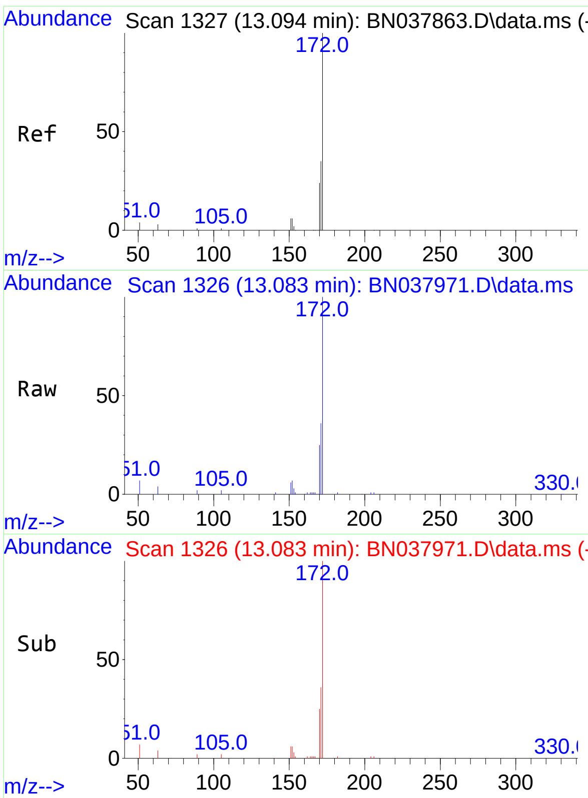


#14
2,4,6-Tribromophenol
Concen: 0.309 ng
RT: 15.957 min   Scan# 1589
Delta R.T.   -0.012 min
Lab File: BN037971.D
Acq: 01 Oct 2025   07:13

Tgt Ion:330 Resp: 1288

Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.2	115.8
141	43.6	37.2	55.8

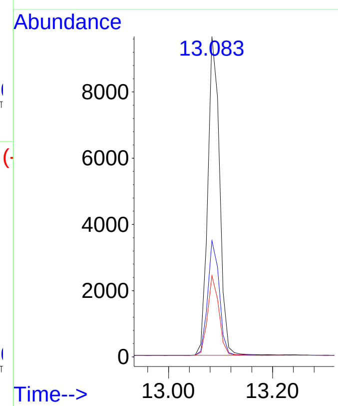




#15
2-Fluorobiphenyl
Concen: 0.336 ng
RT: 13.083 min   Scan# 1326
Delta R.T.   -0.011 min
Lab File: BN037971.D
Acq: 01 Oct 2025   07:13

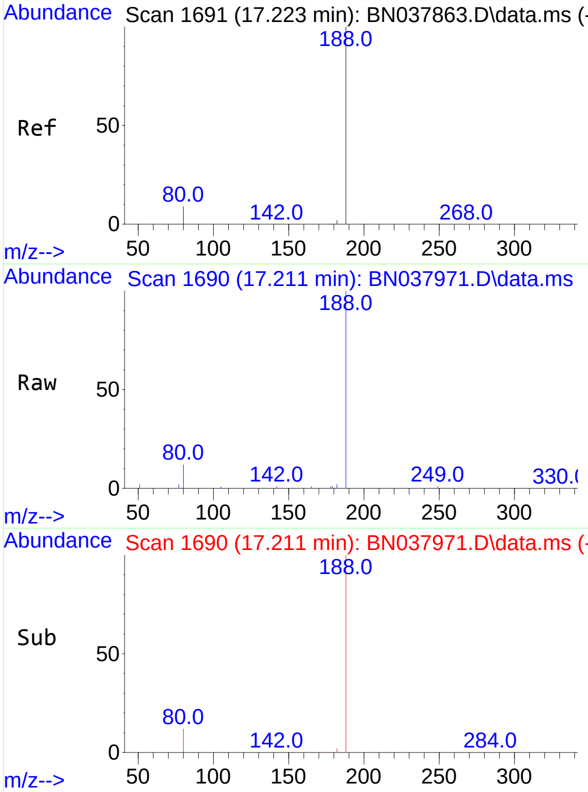
Tgt Ion:172 Resp: 15131

Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.6	43.0
170	25.4	19.7	29.5



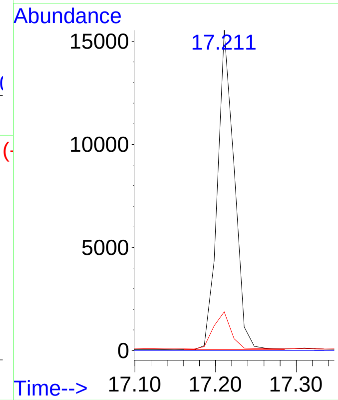
Instrument :
BNA_N
ClientSampleId :
TT174I1-20250924

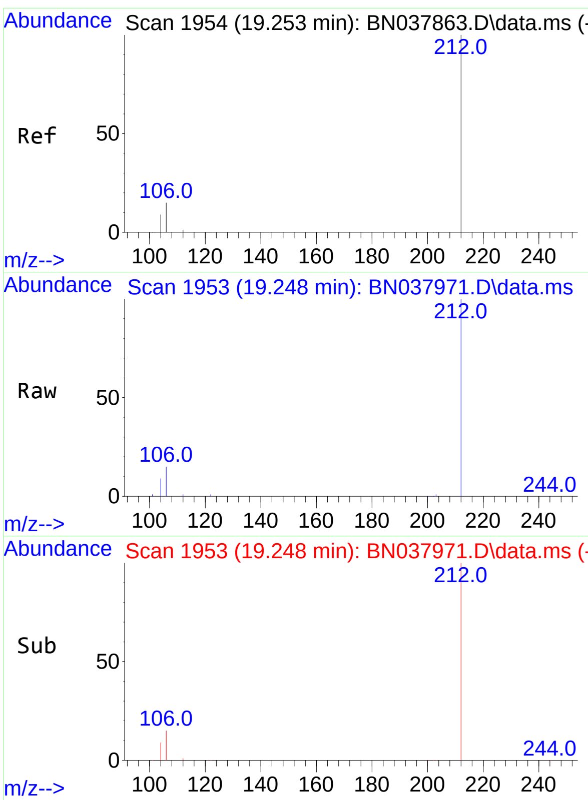
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17




```
#19
Phenanthrene-d10
Concen:    0.400 ng
RT:  17.211 min  Scan# 1(
Delta R.T.  -0.012 min
Lab File:   BN037971.D
Acq: 01 Oct 2025  07:13

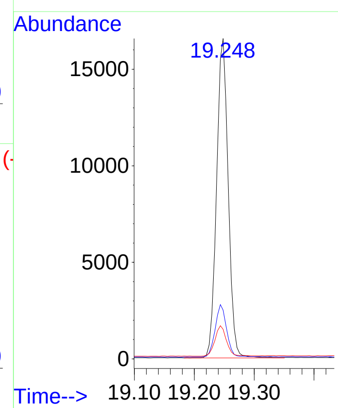
Tgt Ion:188 Resp:   22531
Ion  Ratio  Lower  Upper
188  100
 94    0.0    0.0    0.0
 80   12.1    7.6   11.4#
```



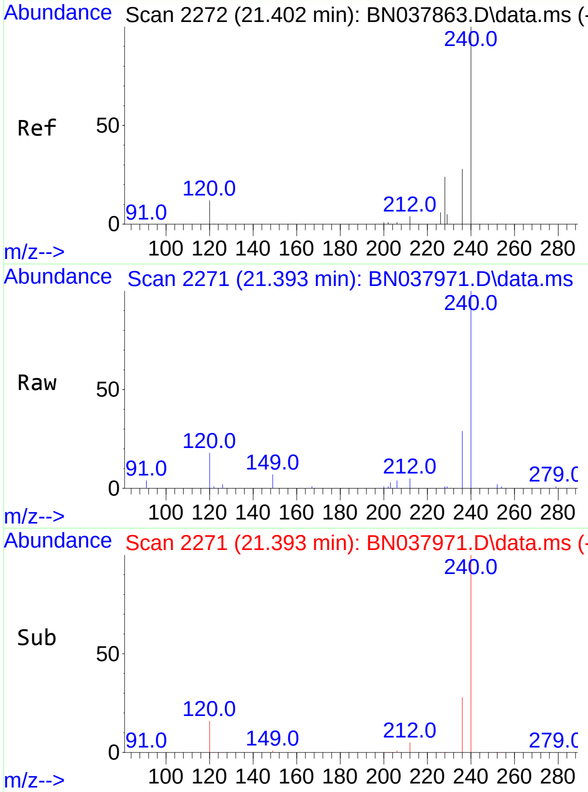



```
#27
Fluoranthene-d10
Concen:    0.394 ng
RT:  19.248 min  Scan# 1953
Delta R.T.  -0.005 min
Lab File:   BN037971.D
Acq: 01 Oct 2025  07:13

Tgt Ion:212 Resp:   22343
Ion  Ratio  Lower  Upper
212  100
106   16.2   12.6   19.0
104    9.5    7.4   11.0
```



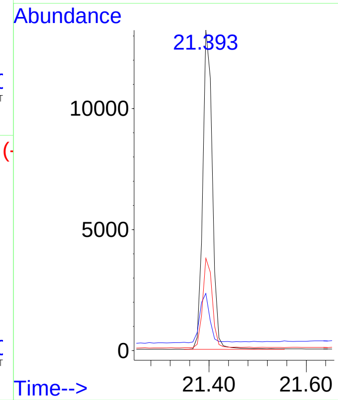
Instrument :
BNA_N
ClientSampleId :
TT174I1-20250924

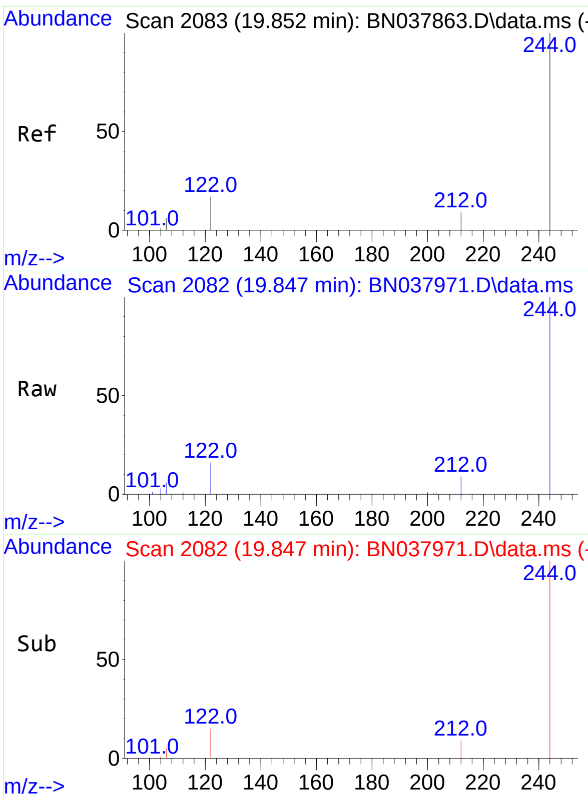


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.393 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037971.D
Acq: 01 Oct 2025 07:13

Tgt Ion:240 Resp: 18077

Ion	Ratio	Lower	Upper
240	100		
120	17.8	11.4	17.2#
236	28.9	23.0	34.6

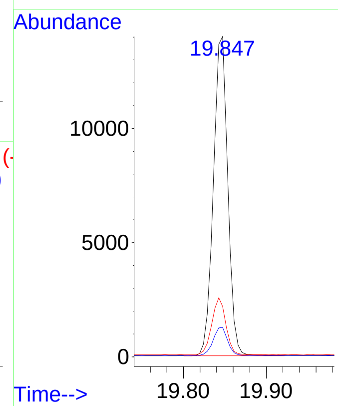




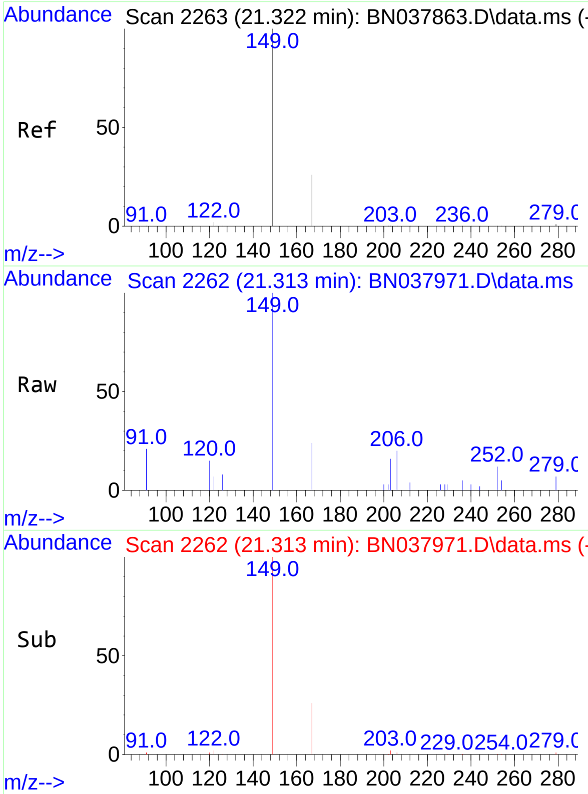
#31
Terphenyl-d14
Concen: 0.471 ng
RT: 19.847 min Scan# 2082
Delta R.T. -0.005 min
Lab File: BN037971.D
Acq: 01 Oct 2025 07:13

Tgt Ion:244 Resp: 16961

Ion	Ratio	Lower	Upper
244	100		
212	9.2	7.6	11.4
122	15.7	13.9	20.9



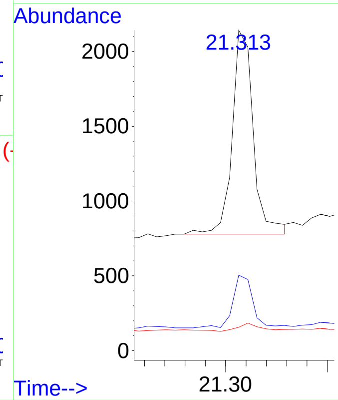
Instrument :
BNA_N
ClientSampleId :
TT174I1-20250924

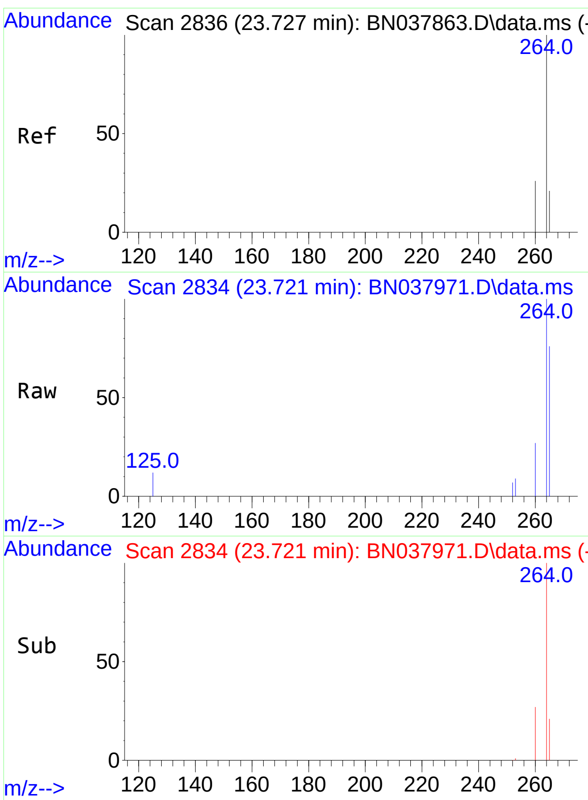


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.079 ng
RT: 21.313 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037971.D
Acq: 01 Oct 2025 07:13

Tgt Ion:149 Resp: 1966

Ion	Ratio	Lower	Upper
149	100		
167	24.8	20.4	30.6
279	4.2	2.4	3.6#

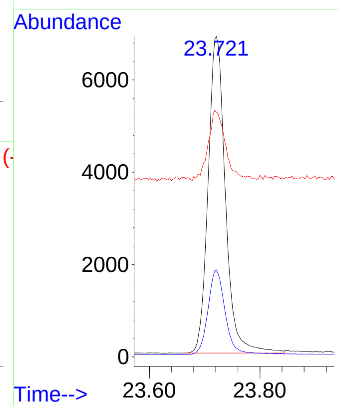




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.721 min Scan# 2834
Delta R.T. -0.006 min
Lab File: BN037971.D
Acq: 01 Oct 2025 07:13

Tgt Ion:264 Resp: 14968

Ion	Ratio	Lower	Upper
264	100		
260	27.2	21.5	32.3
265	76.3	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:	09/24/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	TT162S1-20250924	SDG No.:	Q3193
Lab Sample ID:	Q3193-21	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
BN037972.D	1	09/29/25 08:43	10/01/25 07:49	PB169886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.29		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	0.42		30 - 150		106%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.30		55 - 111		75%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.32		53 - 106		81%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.43		58 - 132		107%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7340	7.811				
1146-65-2	Naphthalene-d8	21400	10.615				
15067-26-2	Acenaphthene-d10	11400	14.462				
1517-22-2	Phenanthrene-d10	23700	17.21				
1719-03-5	Chrysene-d12	24500	21.393				
1520-96-3	Perylene-d12	21900	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\BN093025\
Data File : BN037972.D
Acq On : 01 Oct 2025 07:49
Operator : RC/JU
Sample : Q3193-21
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
TT162S1-20250924

Quant Time: Oct 01 10:36:24 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

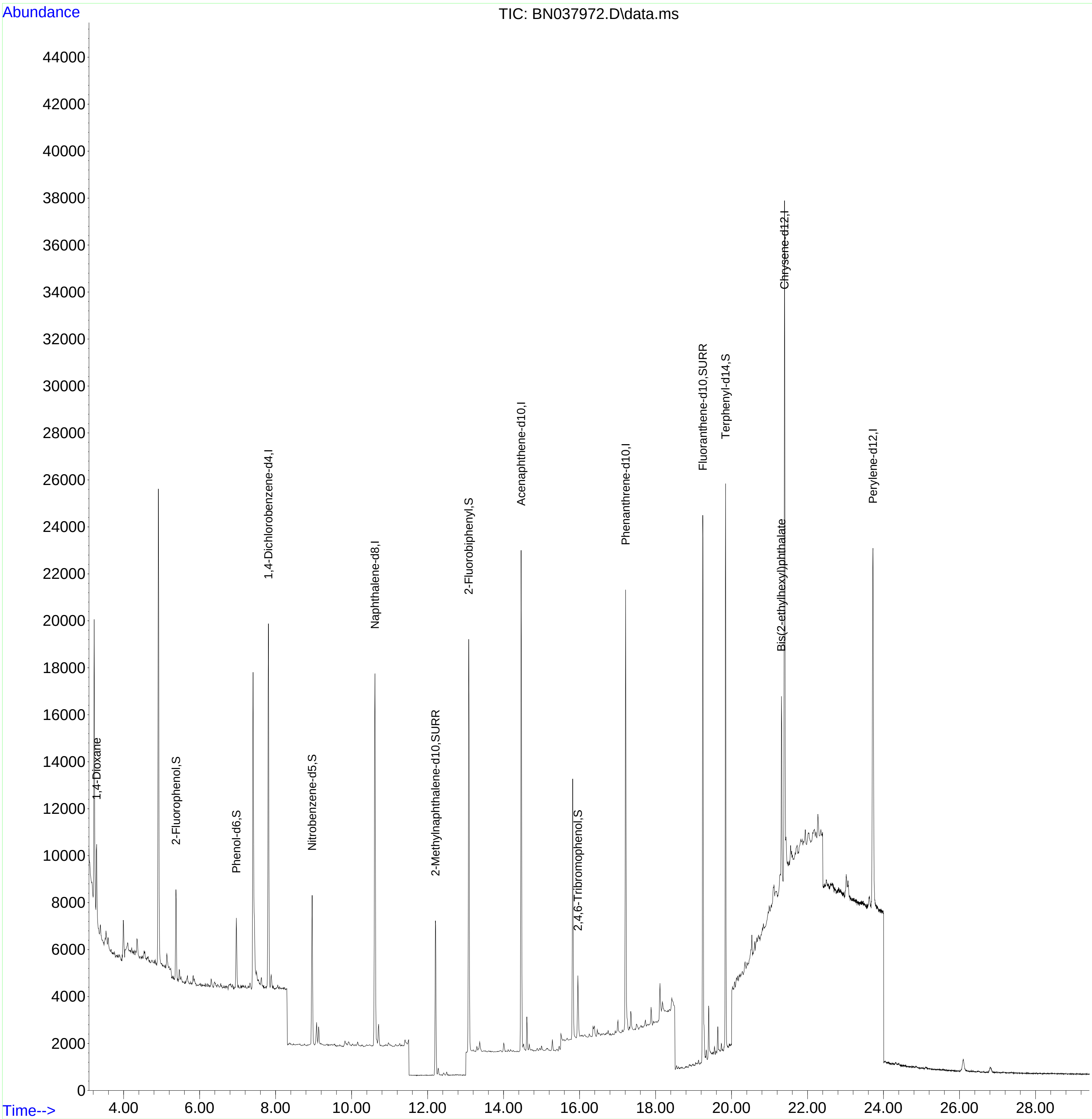
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.811	152	7339	0.400	ng	-0.01
7) Naphthalene-d8	10.615	136	21391	0.400	ng	-0.01
13) Acenaphthene-d10	14.462	164	11392	0.400	ng	-0.01
19) Phenanthrene-d10	17.210	188	23692	0.400	ng	#-0.01
29) Chrysene-d12	21.393	240	24495	0.400	ng	# 0.00
35) Perylene-d12	23.721	264	21866	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.377	112	3091	0.185	ng	0.00
5) Phenol-d6	6.966	99	2664	0.121	ng	0.00
8) Nitrobenzene-d5	8.960	82	4872	0.299	ng	-0.01
11) 2-Methylnaphthalene-d10	12.207	152	8857	0.298	ng	-0.01
14) 2,4,6-Tribromophenol	15.957	330	1498	0.347	ng	-0.01
15) 2-Fluorobiphenyl	13.083	172	15128	0.324	ng	-0.01
27) Fluoranthene-d10	19.243	212	25218	0.423	ng	0.00
31) Terphenyl-d14	19.842	244	20926	0.429	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.290	88	2091	0.281	ng	# 84
34) Bis(2-ethylhexyl)phtha...	21.312	149	7882	0.233	ng	# 97

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN093025\
Data File : BN037972.D
Acq On : 01 Oct 2025 07:49
Operator : RC/JU
Sample : Q3193-21
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
TT162S1-20250924

Quant Time: Oct 01 10:36:24 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



Instrument :
BNA_N
ClientSampleId :
TT162S1-20250924

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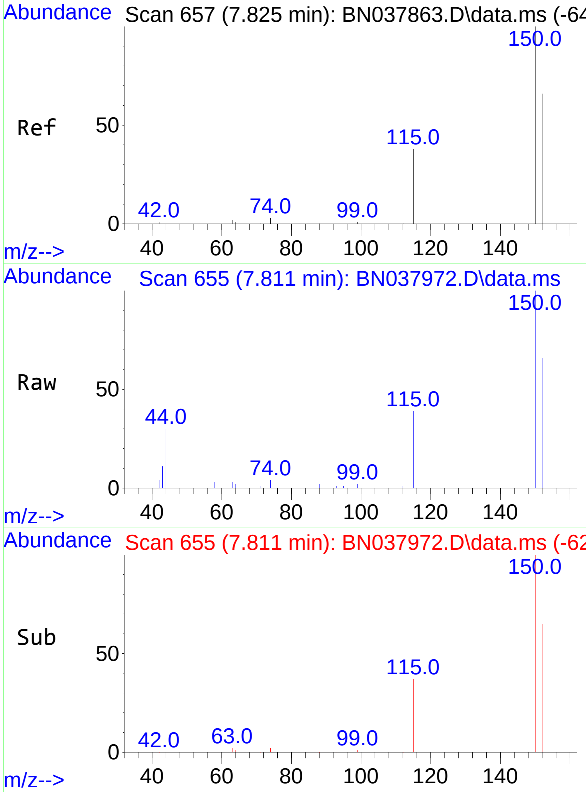
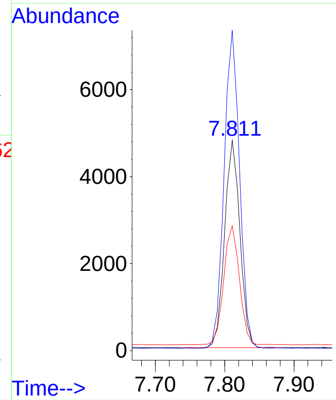
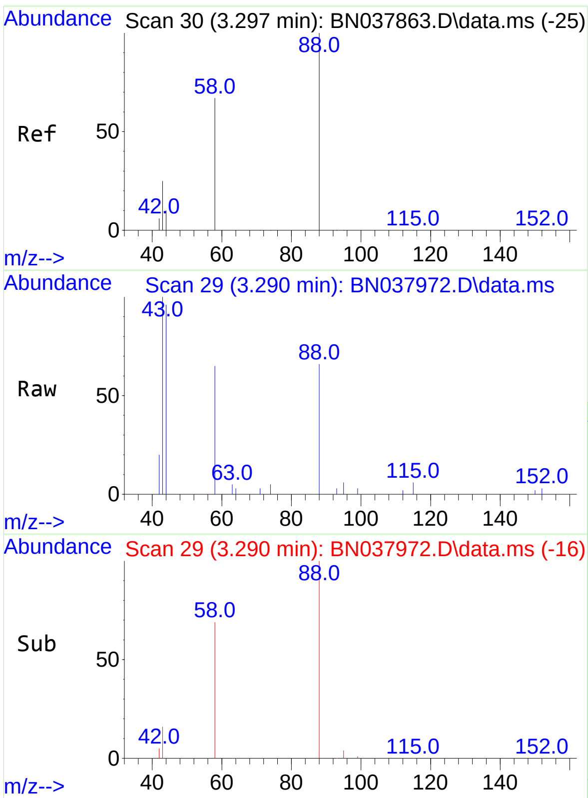


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.811 min Scan# 6
Delta R.T. -0.014 min
Lab File: BN037972.D
Acq: 01 Oct 2025 07:49

Tgt Ion:152 Resp: 7339

Ion	Ratio	Lower	Upper
152	100		
150	152.4	121.0	181.4
115	59.3	47.4	71.0

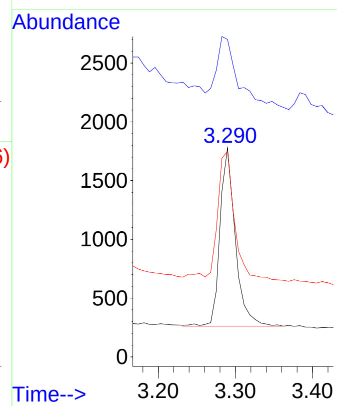




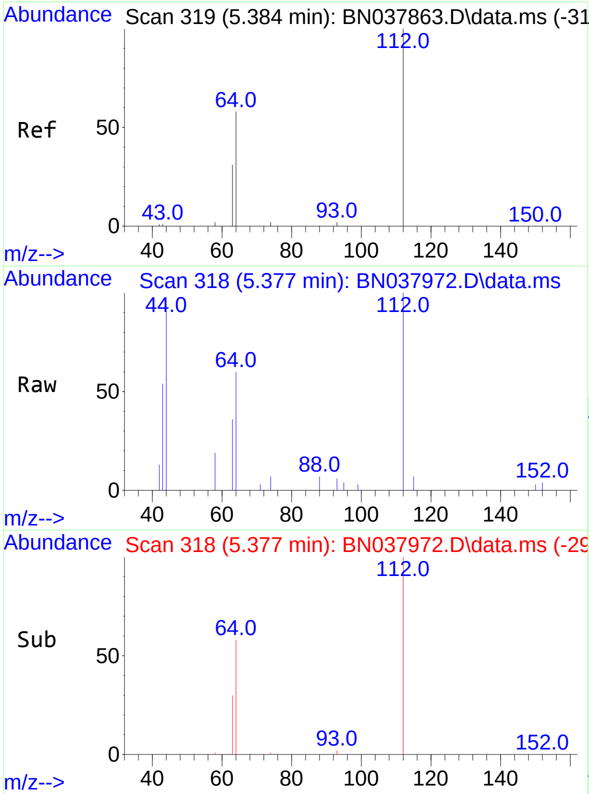
#2
1,4-Dioxane
Concen: 0.281 ng
RT: 3.290 min Scan# 29
Delta R.T. -0.008 min
Lab File: BN037972.D
Acq: 01 Oct 2025 07:49

Tgt Ion: 88 Resp: 2091

Ion	Ratio	Lower	Upper
88	100		
43	56.2	26.6	39.8#
58	77.8	58.9	88.3



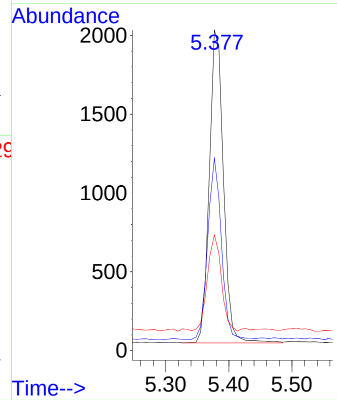
Instrument :
BNA_N
ClientSampleId :
TT162S1-20250924

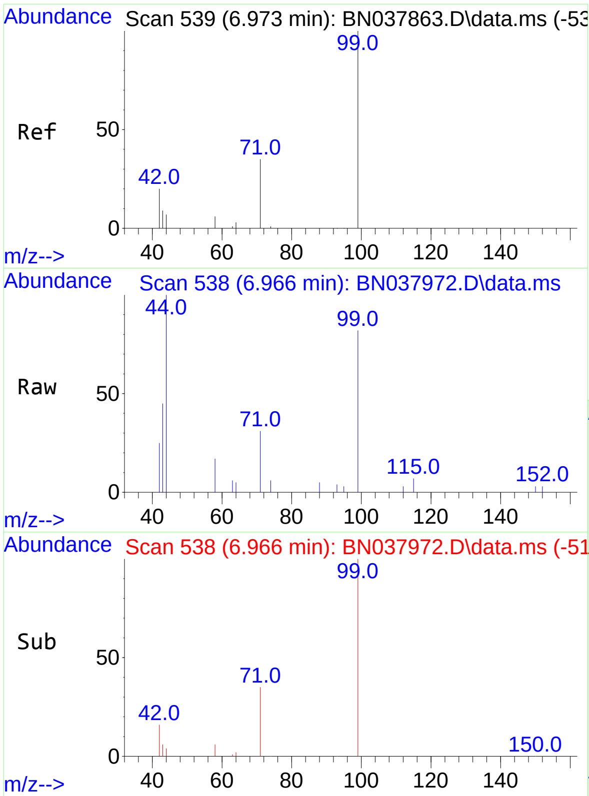


#4
2-Fluorophenol
Concen: 0.185 ng
RT: 5.377 min Scan# 31
Delta R.T. -0.008 min
Lab File: BN037972.D
Acq: 01 Oct 2025 07:49

Tgt Ion:112 Resp: 3091

Ion	Ratio	Lower	Upper
112	100		
64	55.8	44.6	66.8
63	30.6	24.9	37.3

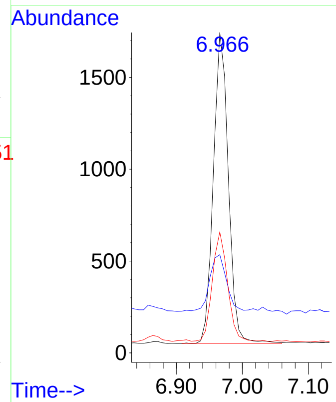




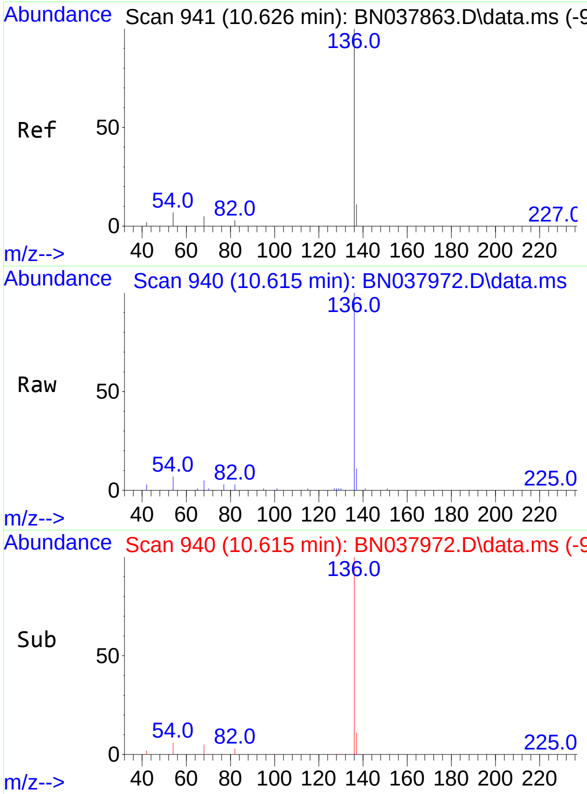
#5
Phenol-d6
Concen: 0.121 ng
RT: 6.966 min Scan# 538
Delta R.T. -0.008 min
Lab File: BN037972.D
Acq: 01 Oct 2025 07:49

Tgt Ion: 99 Resp: 2664

Ion	Ratio	Lower	Upper
99	100		
42	20.7	17.2	25.8
71	35.7	27.3	40.9



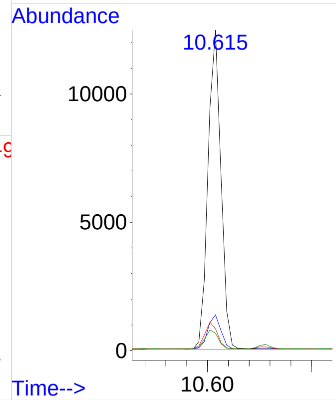
Instrument : BNA_N
ClientSampleId : TT162S1-20250924

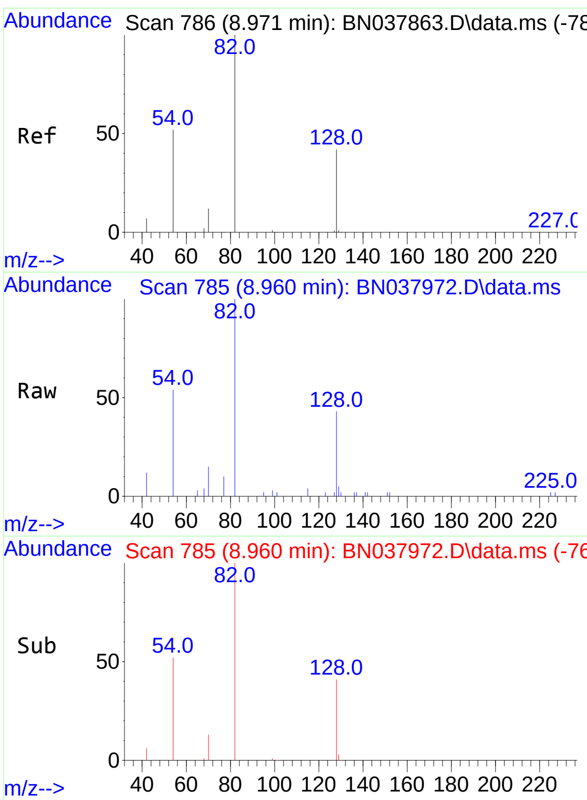


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.615 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037972.D
Acq: 01 Oct 2025 07:49

Tgt Ion:136 Resp: 21391

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	6.8	5.8	8.8
68	5.4	4.3	6.5

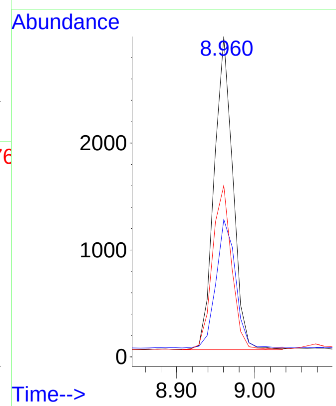




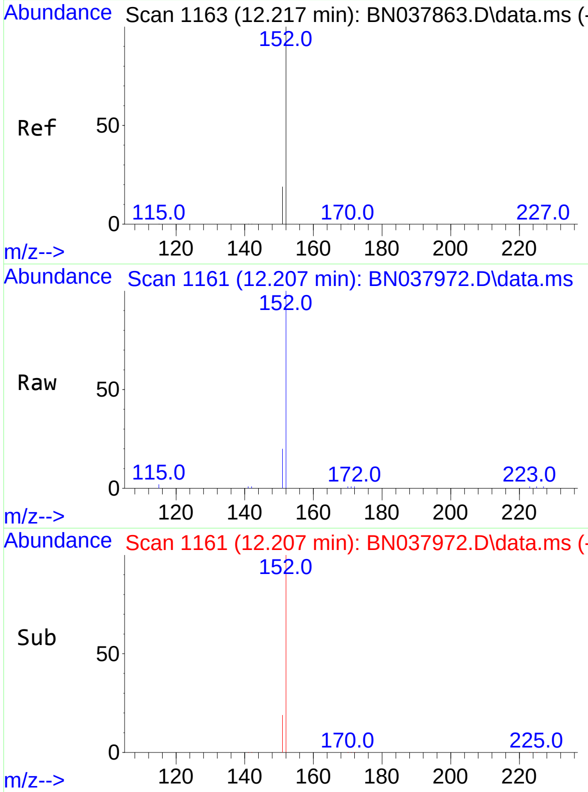
#8
Nitrobenzene-d5
Concen: 0.299 ng
RT: 8.960 min Scan# 785
Delta R.T. -0.011 min
Lab File: BN037972.D
Acq: 01 Oct 2025 07:49

Tgt Ion: 82 Resp: 4872

Ion	Ratio	Lower	Upper
82	100		
128	42.9	34.8	52.2
54	53.5	42.2	63.2



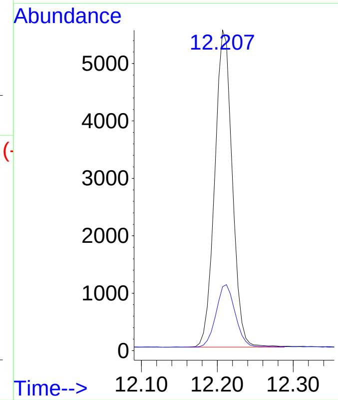
Instrument :
BNA_N
ClientSampleId :
TT162S1-20250924

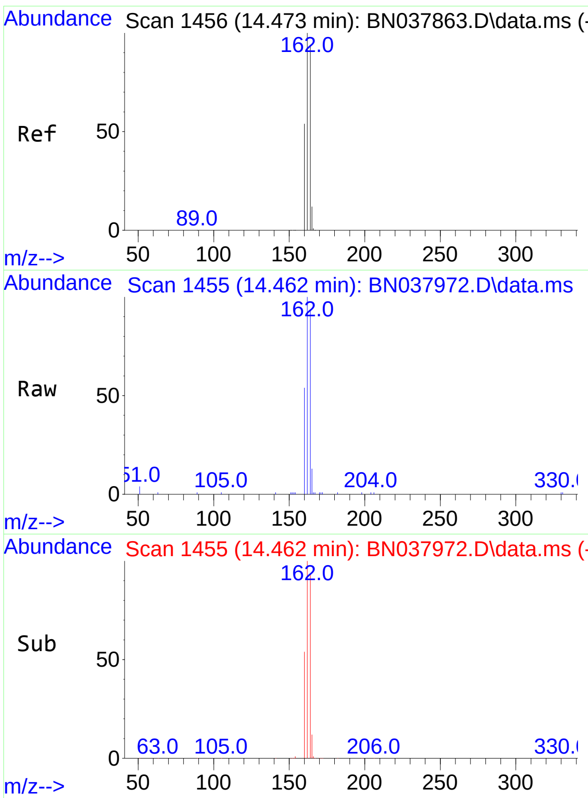


#11
2-Methylnaphthalene-d10
Concen: 0.298 ng
RT: 12.207 min Scan# 1
Delta R.T. -0.010 min
Lab File: BN037972.D
Acq: 01 Oct 2025 07:49

Tgt Ion:152 Resp: 8857

Ion	Ratio	Lower	Upper
152	100		
151	21.4	17.4	26.2

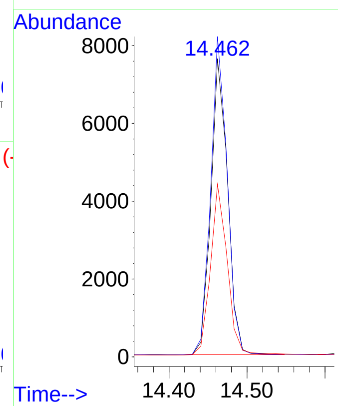




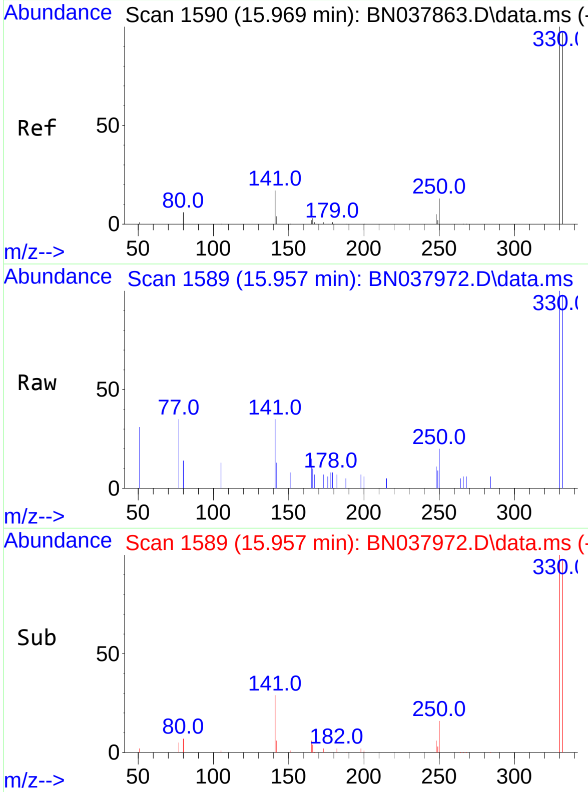
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.462 min Scan# 1455
Delta R.T. -0.011 min
Lab File: BN037972.D
Acq: 01 Oct 2025 07:49

Tgt Ion:164 Resp: 11392

Ion	Ratio	Lower	Upper
164	100		
162	107.5	84.8	127.2
160	57.8	46.1	69.1



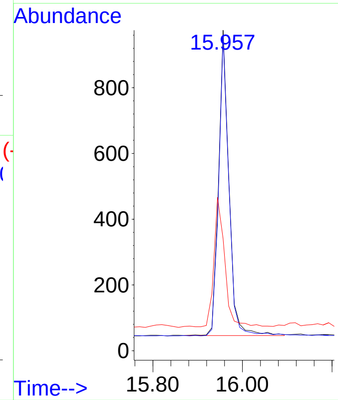
Instrument :
BNA_N
ClientSampleId :
TT162S1-20250924

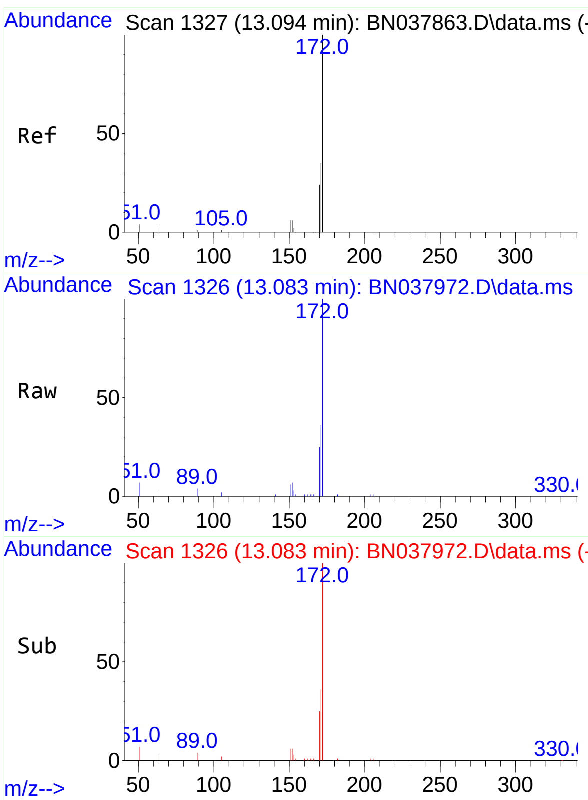


#14
2,4,6-Tribromophenol
Concen: 0.347 ng
RT: 15.957 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037972.D
Acq: 01 Oct 2025 07:49

Tgt Ion:330 Resp: 1498

Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.2	115.8
141	44.1	37.2	55.8

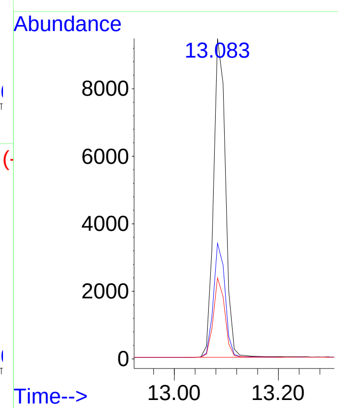




#15
2-Fluorobiphenyl
Concen: 0.324 ng
RT: 13.083 min Scan# 1326
Delta R.T. -0.011 min
Lab File: BN037972.D
Acq: 01 Oct 2025 07:49

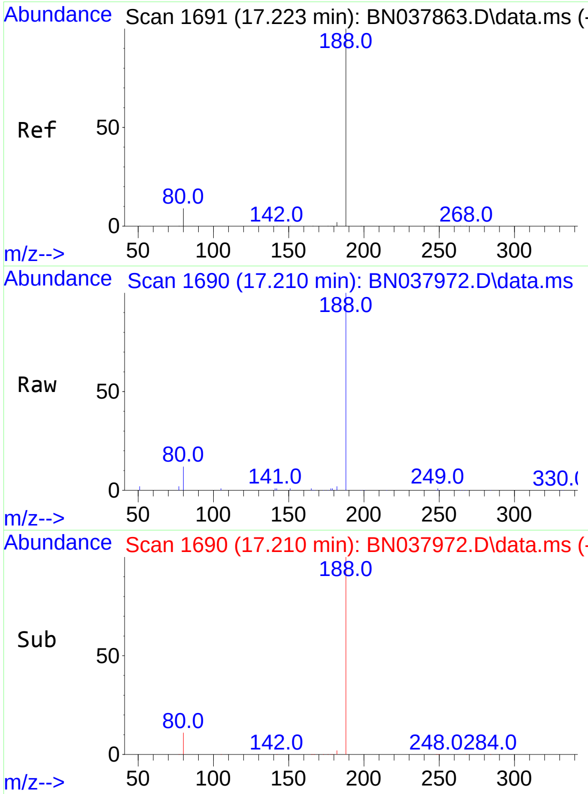
Tgt Ion:172 Resp: 15128

Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.6	43.0
170	25.3	19.7	29.5



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

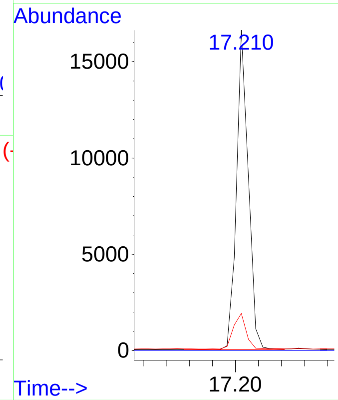
Instrument : BNA_N
ClientSampleId : TT162S1-20250924

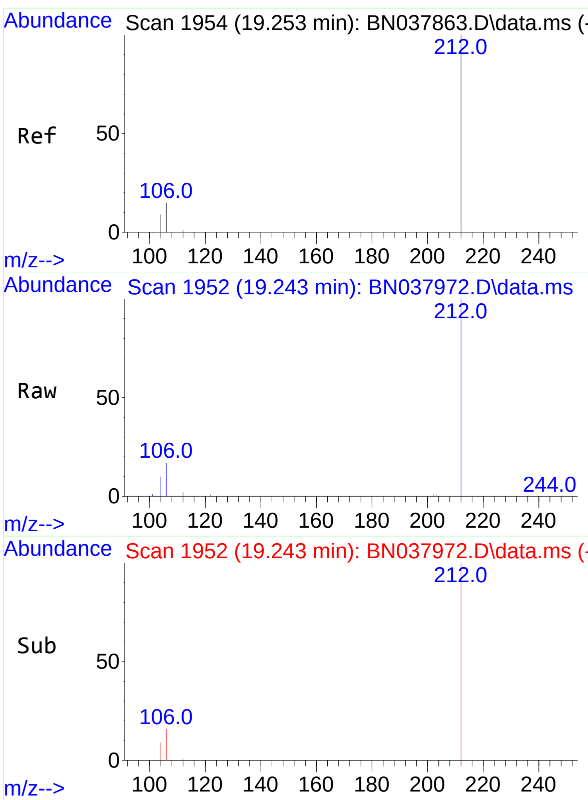


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.210 min Scan# 1(
Delta R.T. -0.013 min
Lab File: BN037972.D
Acq: 01 Oct 2025 07:49

Tgt Ion:188 Resp: 23692

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.6	7.6	11.4#

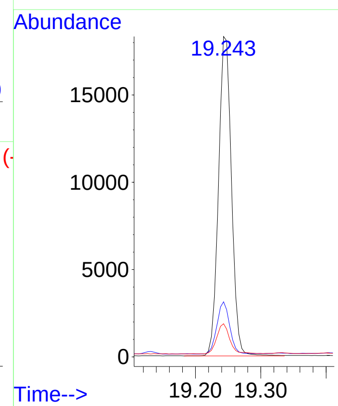




#27
Fluoranthene-d10
Concen: 0.423 ng
RT: 19.243 min Scan# 1952
Delta R.T. -0.010 min
Lab File: BN037972.D
Acq: 01 Oct 2025 07:49

Tgt Ion:212 Resp: 25218

Ion	Ratio	Lower	Upper
212	100		
106	16.3	12.6	19.0
104	9.5	7.4	11.0



Instrument :
BNA_N
ClientSampleId :
TT162S1-20250924

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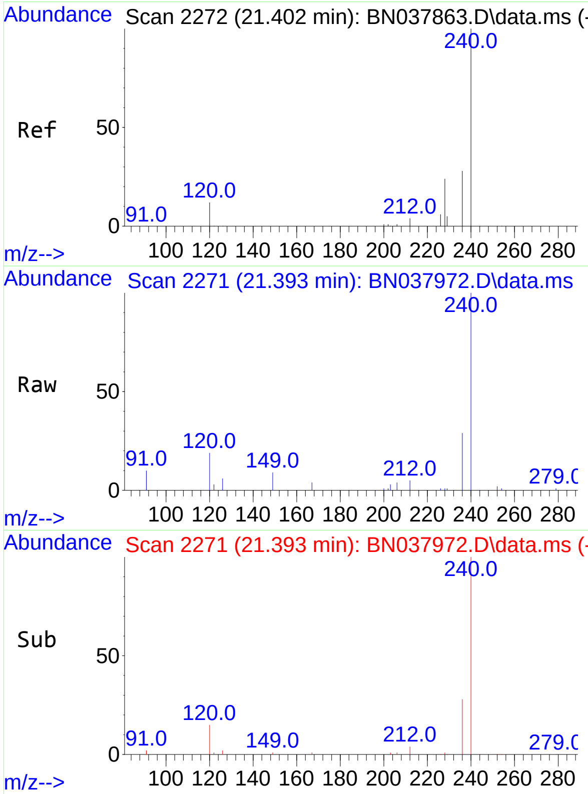
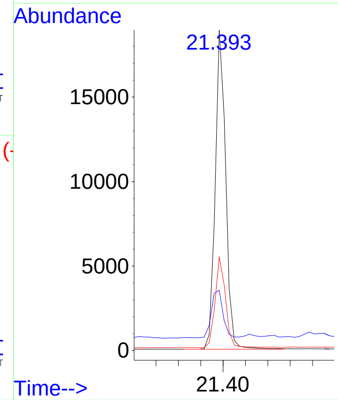
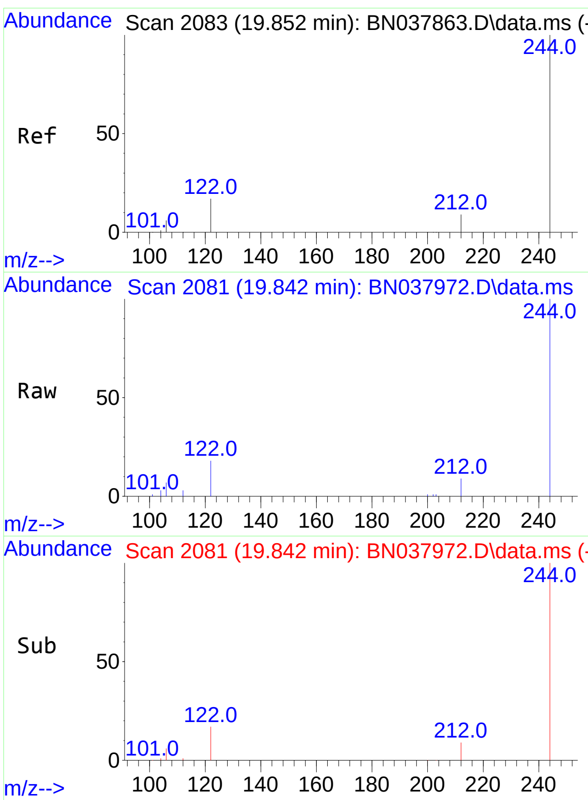


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.393 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037972.D
Acq: 01 Oct 2025 07:49

Tgt Ion:240 Resp: 24495

Ion	Ratio	Lower	Upper
240	100		
120	18.8	11.4	17.2#
236	29.1	23.0	34.6

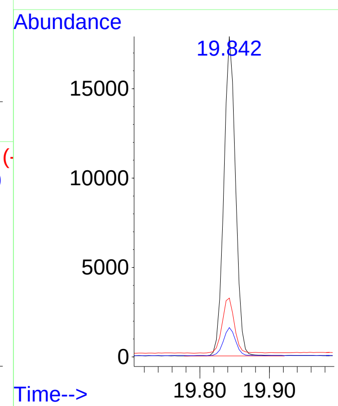




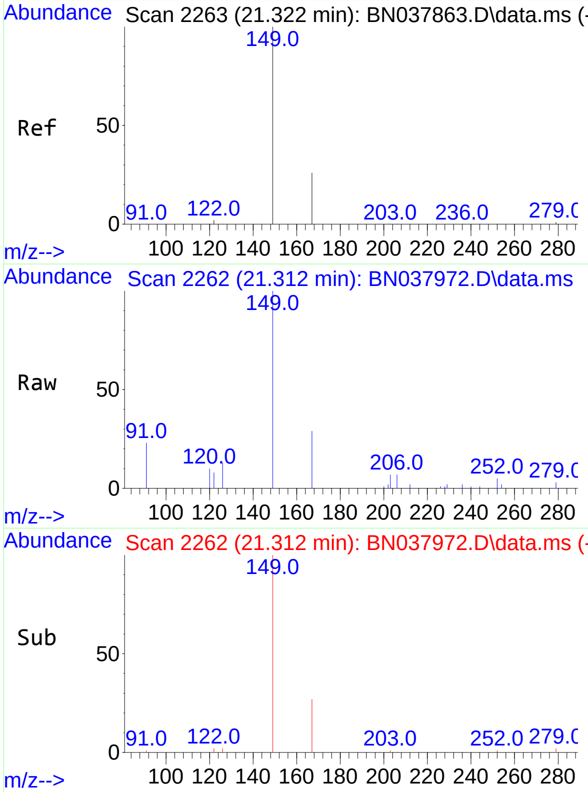
#31
Terphenyl-d14
Concen: 0.429 ng
RT: 19.842 min Scan# 2081
Delta R.T. -0.010 min
Lab File: BN037972.D
Acq: 01 Oct 2025 07:49

Tgt Ion:244 Resp: 20926

Ion	Ratio	Lower	Upper
244	100		
212	9.2	7.6	11.4
122	18.3	13.9	20.9



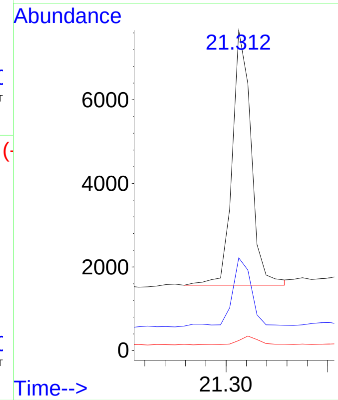
Instrument :
BNA_N
ClientSampleId :
TT162S1-20250924

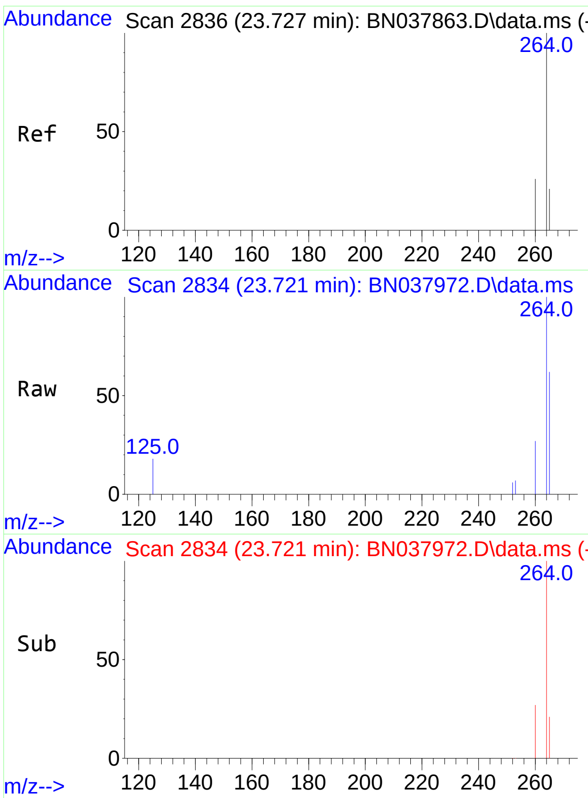


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.233 ng
RT: 21.312 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037972.D
Acq: 01 Oct 2025 07:49

Tgt Ion:149 Resp: 7882

Ion	Ratio	Lower	Upper
149	100		
167	26.8	20.4	30.6
279	3.9	2.4	3.6#

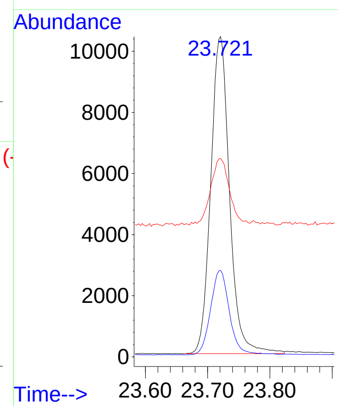




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.721 min Scan# 2834
Delta R.T. -0.006 min
Lab File: BN037972.D
Acq: 01 Oct 2025 07:49

Tgt Ion:264 Resp: 21866

Ion	Ratio	Lower	Upper
264	100		
260	27.0	21.5	32.3
265	61.9	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:	09/24/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258			Date Received:	09/24/25
Client Sample ID:	RE120D3-20250924			SDG No.:	Q3193
Lab Sample ID:	Q3193-22			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
BN037973.D	1	09/29/25 08:43	10/01/25 08:25	PB169886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.13	J	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.34		30 - 150		86%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.39		30 - 150		97%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.33		55 - 111		83%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.36		53 - 106		90%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.45		58 - 132		113%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	8840	7.811				
1146-65-2	Naphthalene-d8	23700	10.615				
15067-26-2	Acenaphthene-d10	13000	14.462				
1517-22-2	Phenanthrene-d10	27100	17.21				
1719-03-5	Chrysene-d12	22500	21.393				
1520-96-3	Perylene-d12	19200	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\BN093025\
Data File : BN037973.D
Acq On : 01 Oct 2025 08:25
Operator : RC/JU
Sample : Q3193-22
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE120D3-20250924

Quant Time: Oct 01 10:36:40 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	8836	0.400 ng	-0.01
7) Naphthalene-d8	10.615	136	23668	0.400 ng	-0.01
13) Acenaphthene-d10	14.462	164	13038	0.400 ng	-0.01
19) Phenanthrene-d10	17.210	188	27082	0.400 ng	#-0.01
29) Chrysene-d12	21.393	240	22508	0.400 ng	0.00
35) Perylene-d12	23.721	264	19220	0.400 ng	0.00
System Monitoring Compounds					
4) 2-Fluorophenol	5.377	112	4354	0.216 ng	0.00
5) Phenol-d6	6.966	99	4043	0.153 ng	0.00
8) Nitrobenzene-d5	8.961	82	5989	0.332 ng	-0.01
11) 2-Methylnaphthalene-d10	12.207	152	11249	0.342 ng	-0.01
14) 2,4,6-Tribromophenol	15.957	330	1661	0.336 ng	-0.01
15) 2-Fluorobiphenyl	13.083	172	19347	0.362 ng	-0.01
27) Fluoranthene-d10	19.248	212	26297	0.386 ng	0.00
31) Terphenyl-d14	19.842	244	20185	0.450 ng	0.00
Target Compounds					Qvalue
2) 1,4-Dioxane	3.290	88	1161	0.129 ng	# 49
34) Bis(2-ethylhexyl)phtha...	21.313	149	2910	0.094 ng	# 96

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

Sample Results: **BN037973.D**

```
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN093025\
Data File : BN037973.D
Acq On    : 01 Oct 2025  08:25
Operator  : RC/JU
Sample    : Q3193-22
Misc      :
ALS Vial  : 30   Sample Multiplier: 1

Quant Time: Oct 01 10:36:40 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
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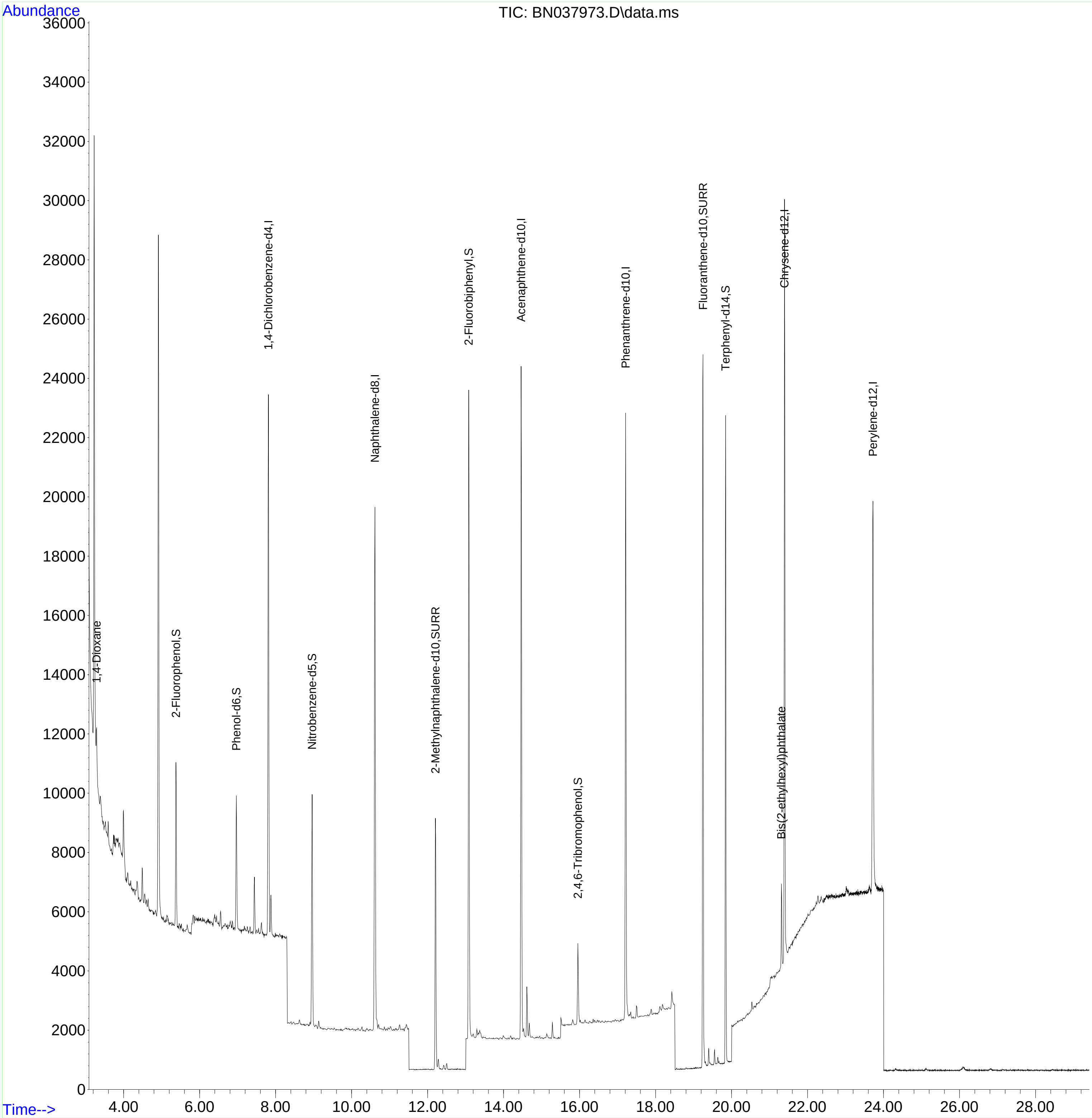
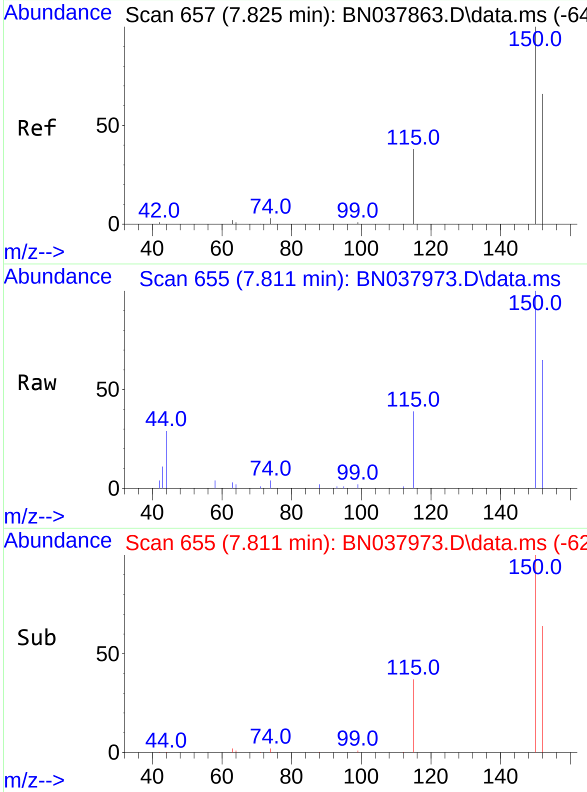
Instrument :
BNA_N
ClientSampleId :
RE120D3-20250924



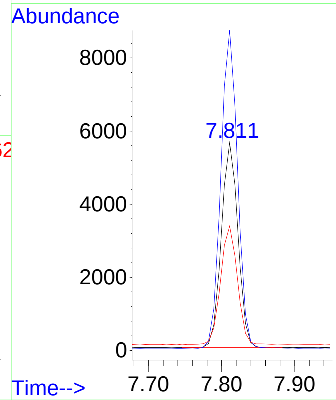
Instrument :
BNA_N
ClientSampleId :
RE120D3-20250924

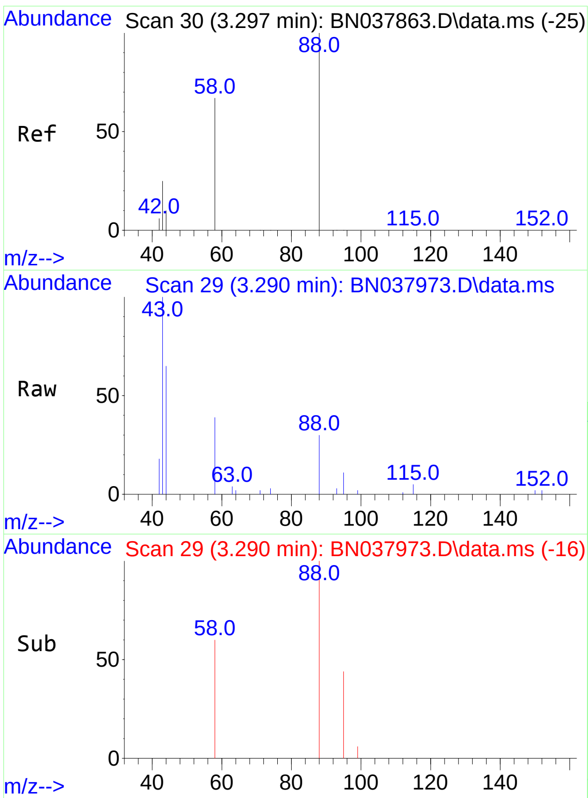


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.811 min Scan# 65
Delta R.T. -0.014 min
Lab File: BN037973.D
Acq: 01 Oct 2025 08:25

Tgt Ion:152 Resp: 8836

Ion	Ratio	Lower	Upper
152	100		
150	154.1	121.0	181.4
115	59.9	47.4	71.0

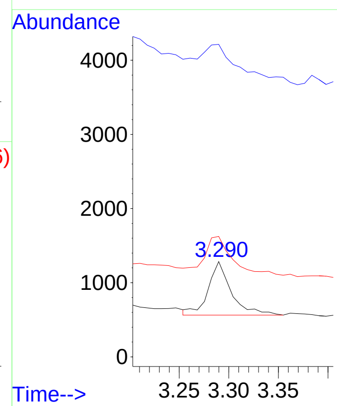


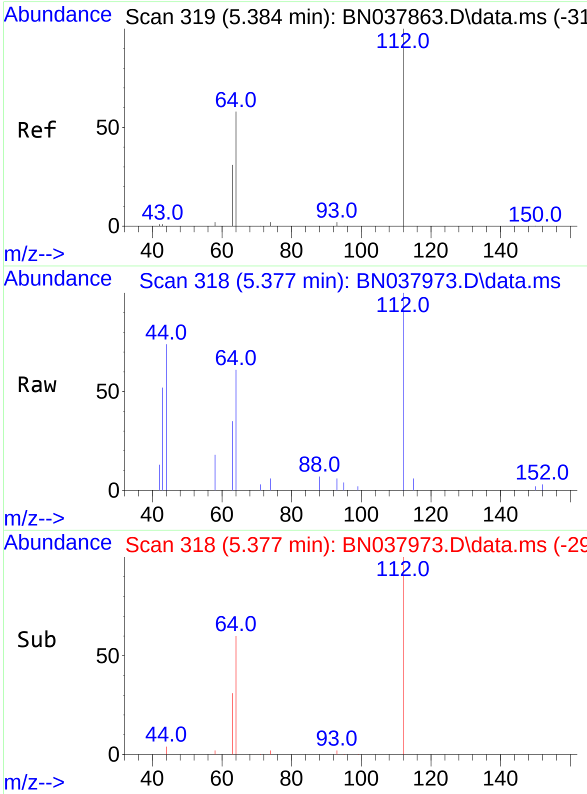


#2
1,4-Dioxane
Concen: 0.129 ng
RT: 3.290 min Scan# 29
Delta R.T. -0.007 min
Lab File: BN037973.D
Acq: 01 Oct 2025 08:25

Tgt Ion: 88 Resp: 1161

Ion	Ratio	Lower	Upper
88	100		
43	104.4	26.6	39.8#
58	88.1	58.9	88.3





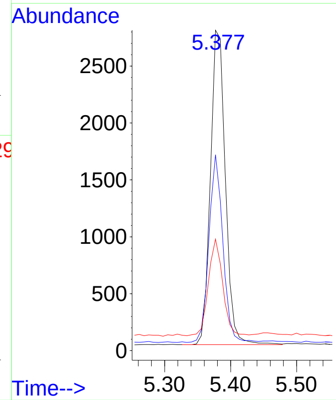
#4
2-Fluorophenol
Concen: 0.216 ng
RT: 5.377 min   Scan# 3

Instrument :
BNA_N
ClientSampleId :
RE120D3-20250924

Delta R.T.   -0.007 min
Lab File: BN037973.D
Acq: 01 Oct 2025   08:25

Tgt Ion:112 Resp: 4354

Ion	Ratio	Lower	Upper
112	100		
64	55.7	44.6	66.8
63	29.4	24.9	37.3



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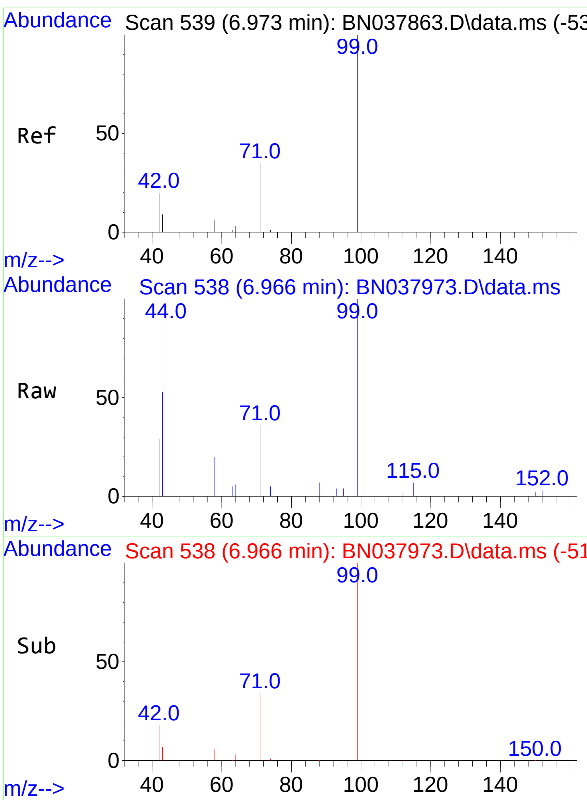
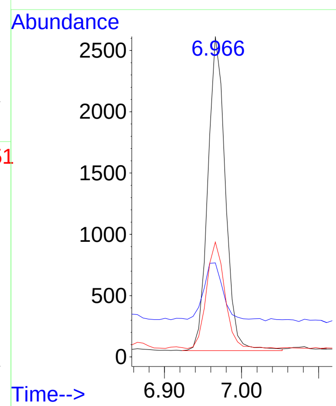


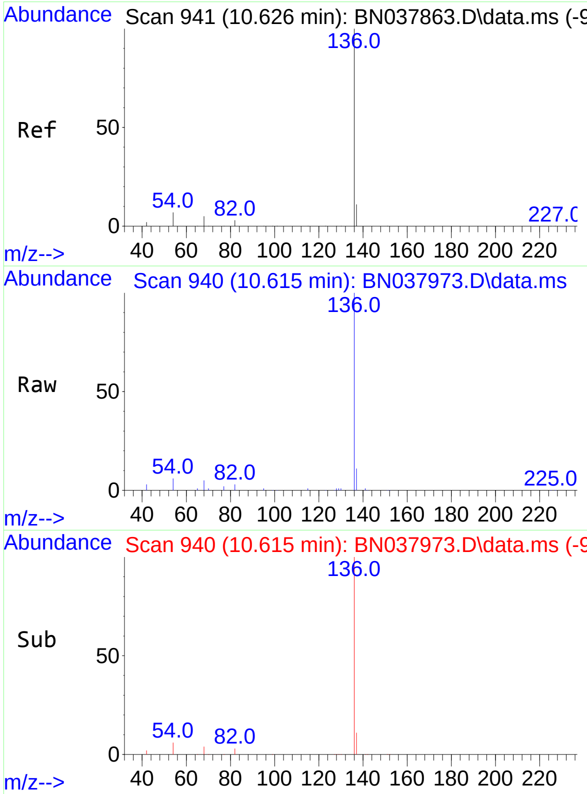
#5
Phenol-d6
Concen: 0.153 ng
RT: 6.966 min   Scan# 538
Delta R.T.   -0.007 min
Lab File: BN037973.D
Acq: 01 Oct 2025   08:25

Tgt Ion: 99 Resp: 4043

Ion	Ratio	Lower	Upper
99	100		
42	21.0	17.2	25.8
71	35.4	27.3	40.9

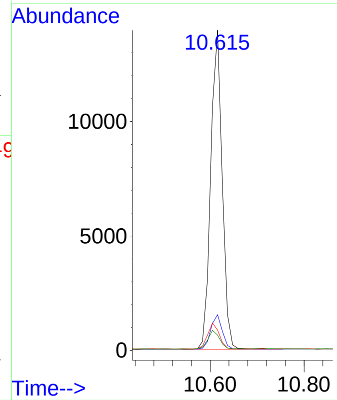


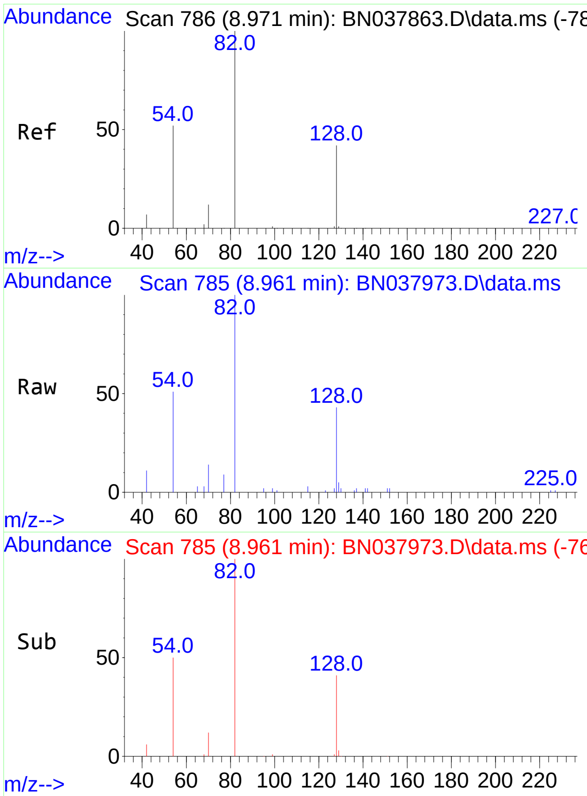
Instrument :
BNA_N
ClientSampleId :
RE120D3-20250924



```
#7
Naphthalene-d8
Concen:    0.400 ng
RT:  10.615 min  Scan# 94
Delta R.T.  -0.011 min
Lab File:   BN037973.D
Acq: 01 Oct 2025  08:25

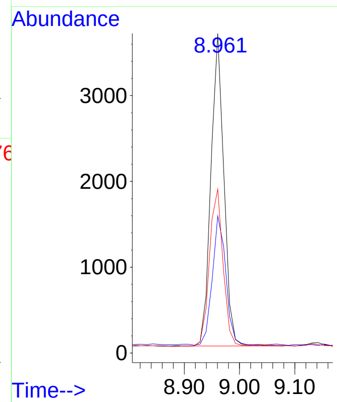
Tgt Ion:136 Resp:   23668
Ion  Ratio  Lower  Upper
136  100
137   11.2    9.0   13.4
 54    6.4    5.8    8.8
 68    4.9    4.3    6.5
```



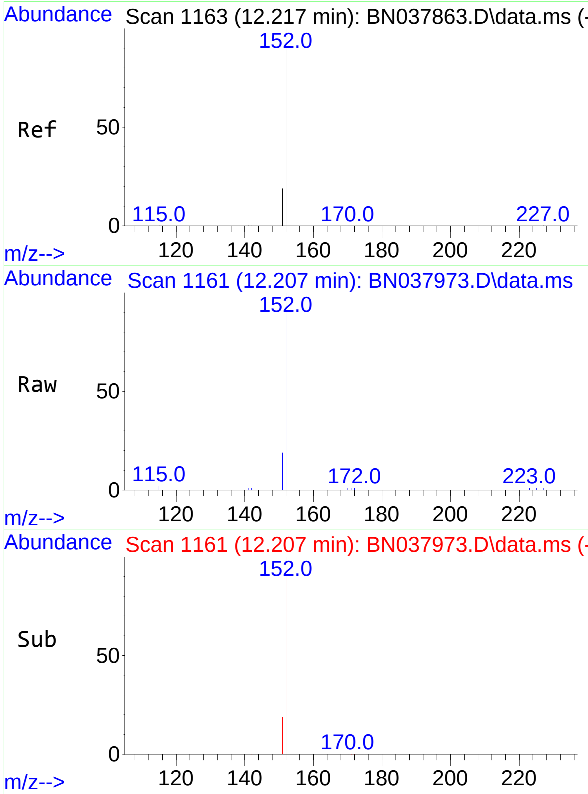


```
#8
Nitrobenzene-d5
Concen:    0.332 ng
RT:   8.961 min  Scan# 785
Delta R.T.  -0.011 min
Lab File:   BN037973.D
Acq: 01 Oct 2025  08:25

Tgt Ion: 82 Resp:    5989
Ion  Ratio  Lower  Upper
 82  100
128   42.9   34.8   52.2
 54   51.3   42.2   63.2
```



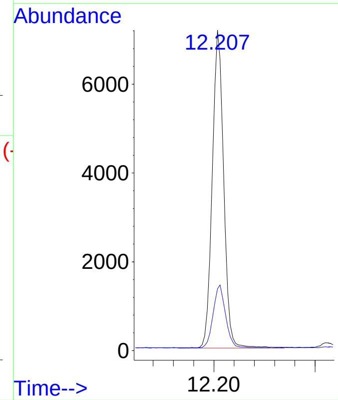
Instrument : BNA_N
ClientSampleId : RE120D3-20250924

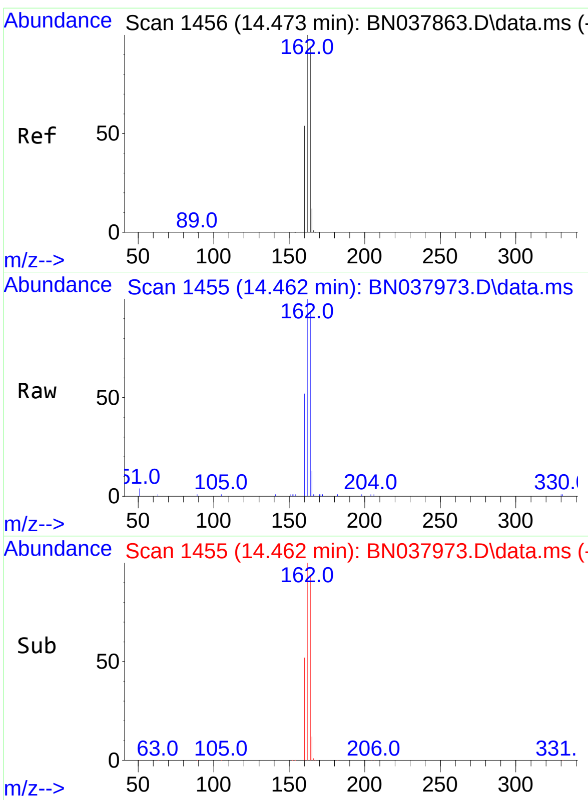


#11
2-Methylnaphthalene-d10
Concen: 0.342 ng
RT: 12.207 min Scan# 1
Delta R.T. -0.010 min
Lab File: BN037973.D
Acq: 01 Oct 2025 08:25

Tgt Ion:152 Resp: 11249

Ion	Ratio	Lower	Upper
152	100		
151	21.4	17.4	26.2

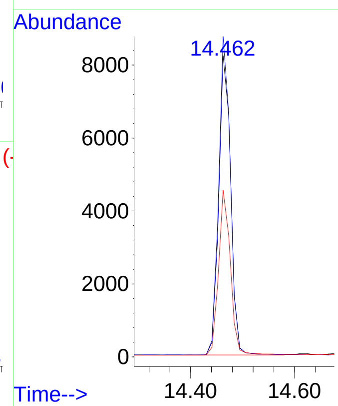




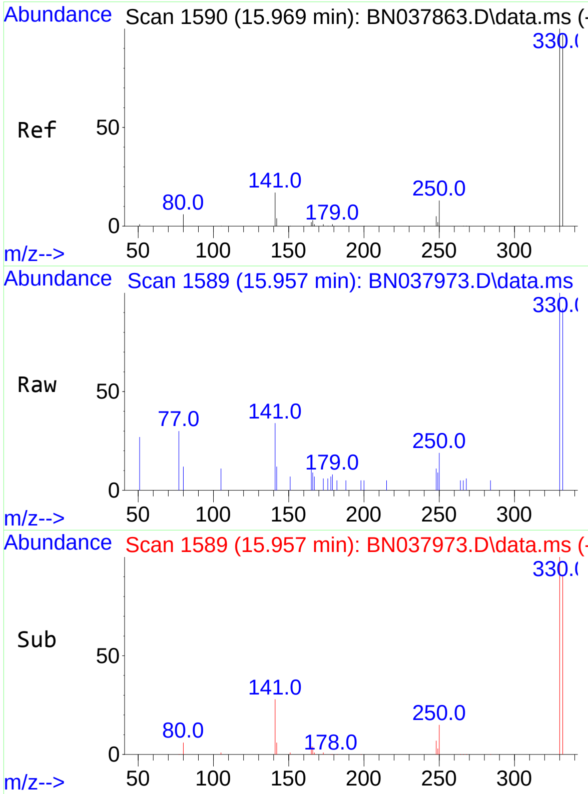
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.462 min Scan# 1455
Delta R.T. -0.011 min
Lab File: BN037973.D
Acq: 01 Oct 2025 08:25

Tgt Ion:164 Resp: 13038

Ion	Ratio	Lower	Upper
164	100		
162	106.3	84.8	127.2
160	55.3	46.1	69.1



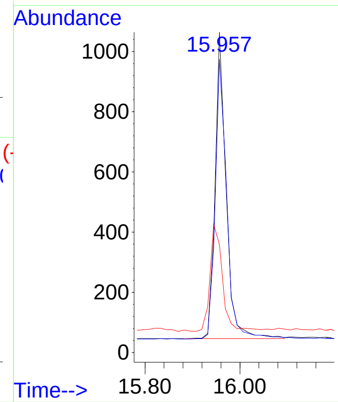
Instrument :
BNA_N
ClientSampleId :
RE120D3-20250924

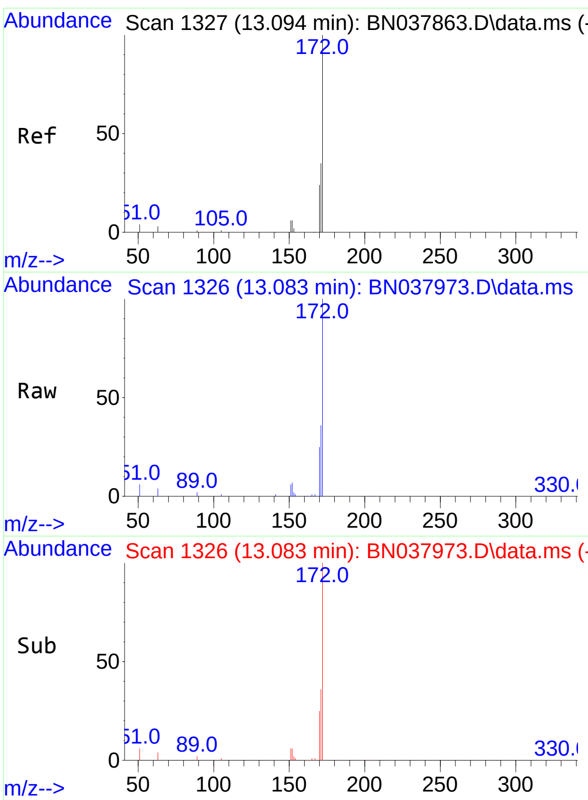


#14
2,4,6-Tribromophenol
Concen: 0.336 ng
RT: 15.957 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037973.D
Acq: 01 Oct 2025 08:25

Tgt Ion:330 Resp: 1661

Ion	Ratio	Lower	Upper
330	100		
332	94.9	77.2	115.8
141	39.5	37.2	55.8

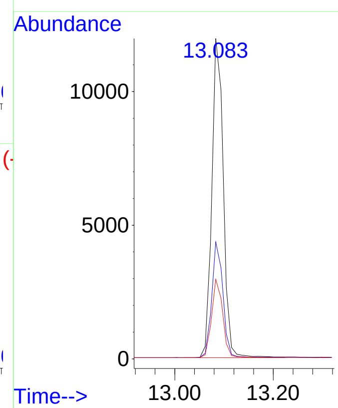




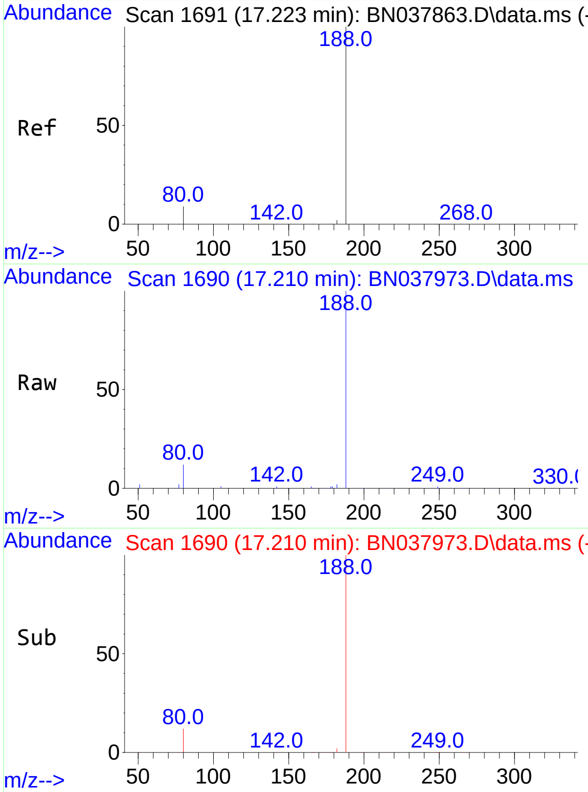
#15
2-Fluorobiphenyl
Concen: 0.362 ng
RT: 13.083 min Scan# 1326
Delta R.T. -0.011 min
Lab File: BN037973.D
Acq: 01 Oct 2025 08:25

Tgt Ion:172 Resp: 19347

Ion	Ratio	Lower	Upper
172	100		
171	36.5	28.6	43.0
170	24.8	19.7	29.5



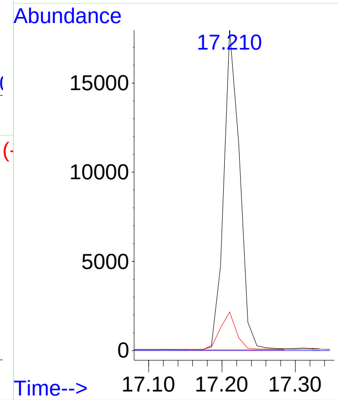
Instrument :
BNA_N
ClientSampleId :
RE120D3-20250924

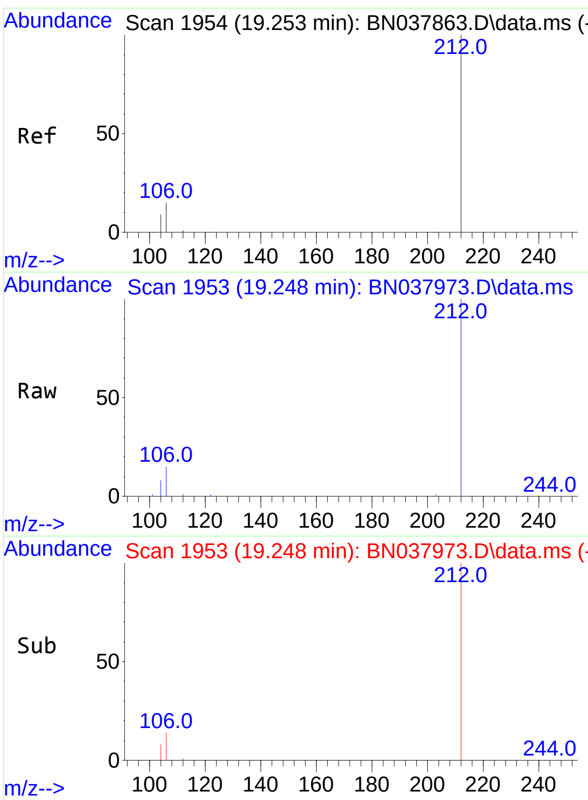


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.210 min Scan# 1(
Delta R.T. -0.013 min
Lab File: BN037973.D
Acq: 01 Oct 2025 08:25

Tgt Ion:188 Resp: 27082

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	12.0	7.6	11.4#

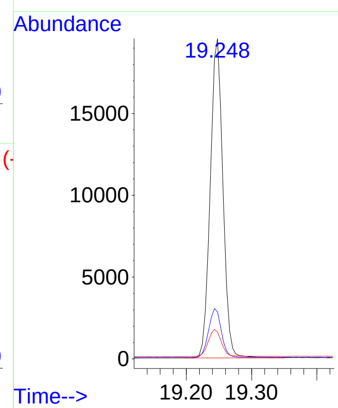




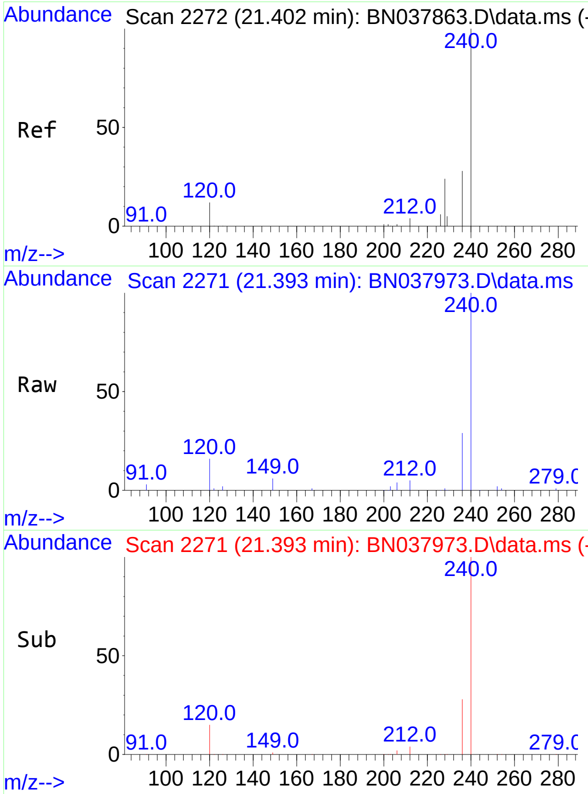
#27
Fluoranthene-d10
Concen: 0.386 ng
RT: 19.248 min Scan# 1953
Delta R.T. -0.005 min
Lab File: BN037973.D
Acq: 01 Oct 2025 08:25

Tgt Ion:212 Resp: 26297

Ion	Ratio	Lower	Upper
212	100		
106	15.5	12.6	19.0
104	8.9	7.4	11.0



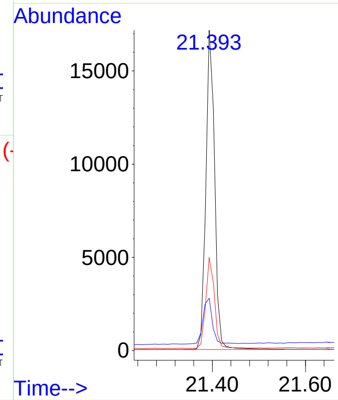
Instrument : BNA_N
ClientSampleId : RE120D3-20250924

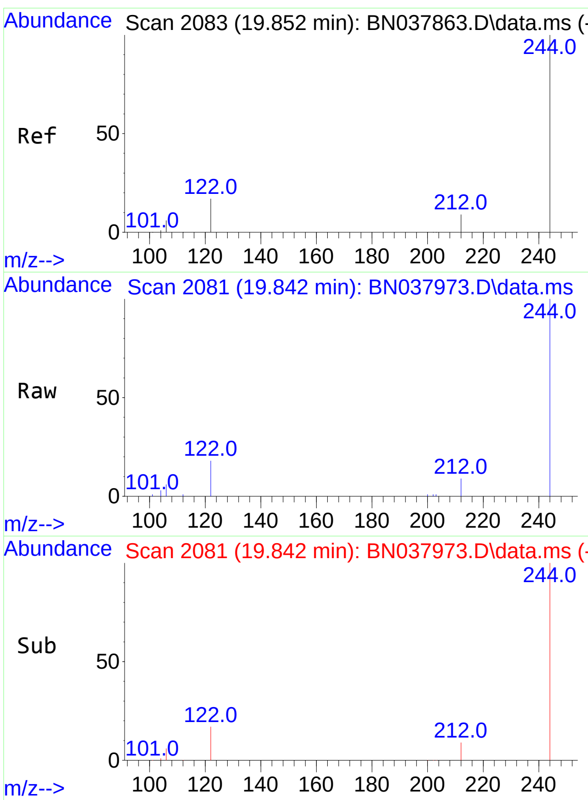


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.393 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037973.D
Acq: 01 Oct 2025 08:25

Tgt Ion:240 Resp: 22508

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

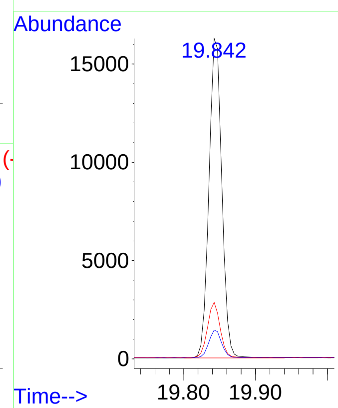




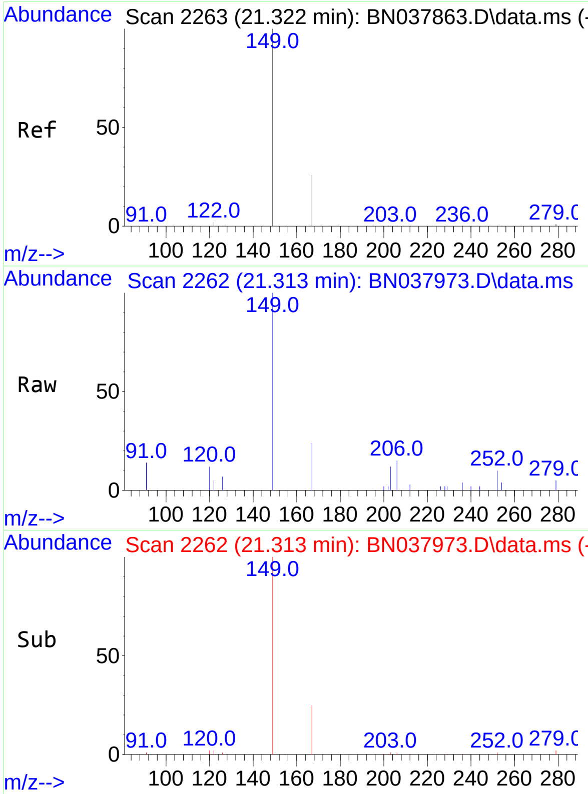
#31
Terphenyl-d14
Concen: 0.450 ng
RT: 19.842 min Scan# 2081
Delta R.T. -0.009 min
Lab File: BN037973.D
Acq: 01 Oct 2025 08:25

Tgt Ion:244 Resp: 20185

Ion	Ratio	Lower	Upper
244	100		
212	9.0	7.6	11.4
122	17.6	13.9	20.9



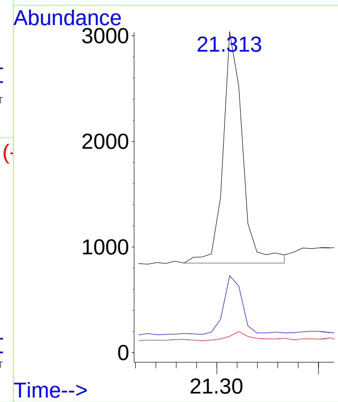
Instrument : BNA_N
ClientSampleId : RE120D3-20250924

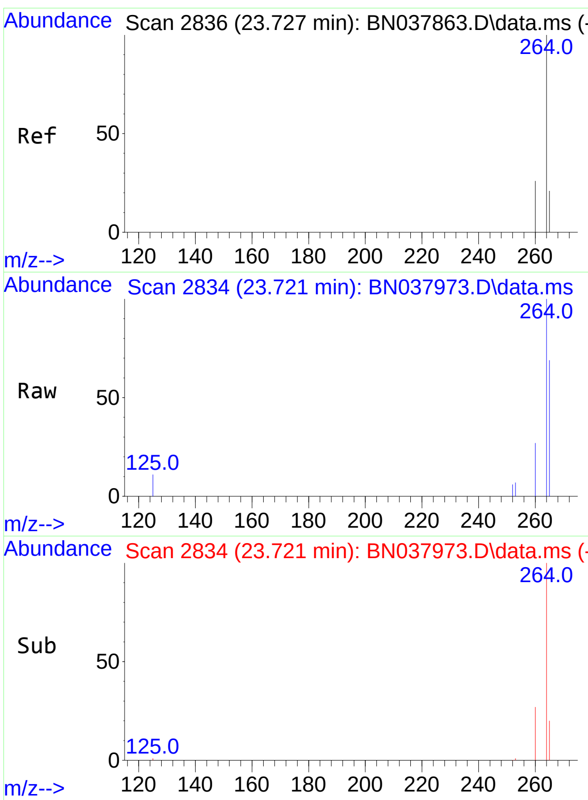


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.094 ng
RT: 21.313 min Scan# 2262
Delta R.T. -0.009 min
Lab File: BN037973.D
Acq: 01 Oct 2025 08:25

Tgt Ion:149 Resp: 2910

Ion	Ratio	Lower	Upper
149	100		
167	23.6	20.4	30.6
279	5.0	2.4	3.6#

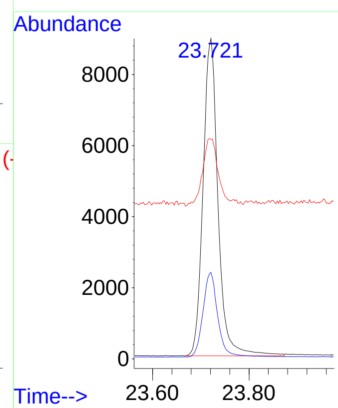




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.721 min Scan# 2834
Delta R.T. -0.006 min
Lab File: BN037973.D
Acq: 01 Oct 2025 08:25

Tgt Ion:264 Resp: 19220

Ion	Ratio	Lower	Upper
264	100		
260	27.0	21.5	32.3
265	68.6	53.8	80.6



CALIBRATION SUMMARY

1
2
3
4
5
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7
8
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16
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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

ICAL Form

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

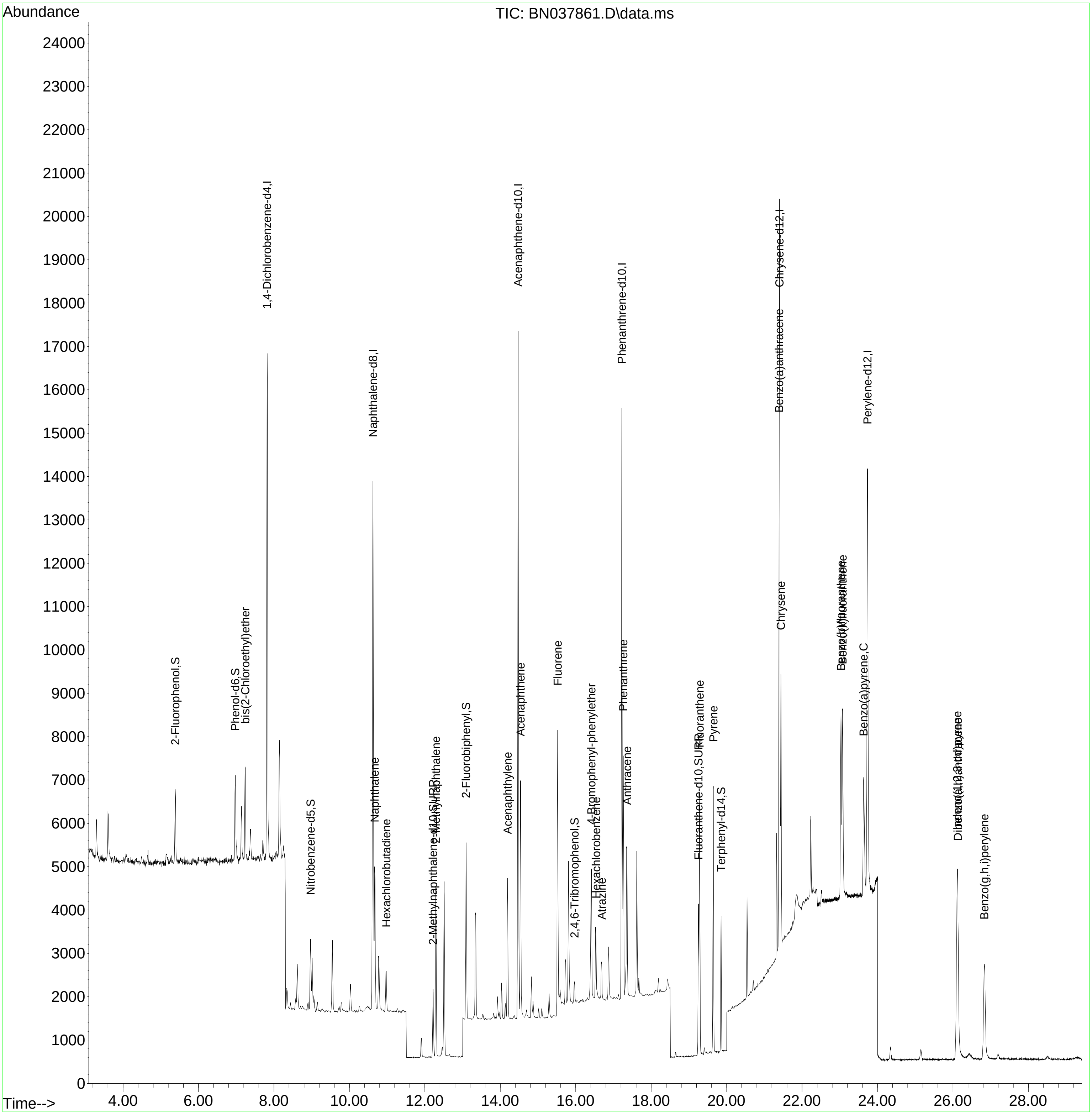
Quantitation Report (QT Reviewed)

ICAL Form

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

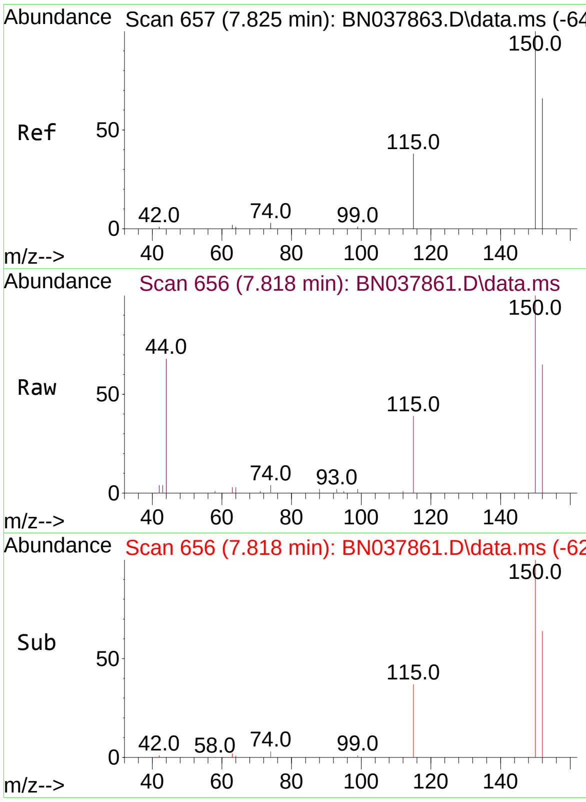
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

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



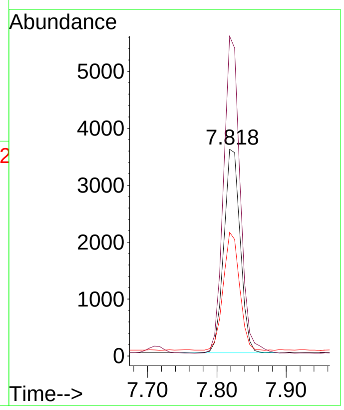
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

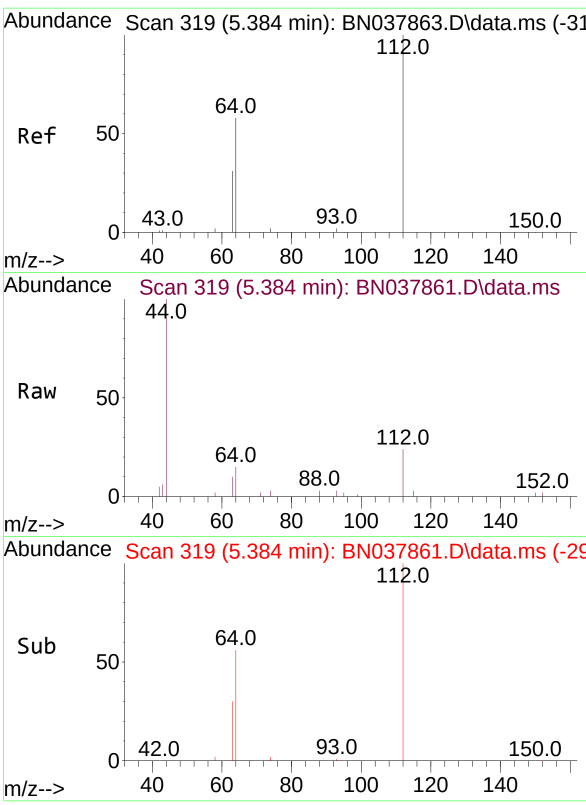
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17



#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.818 min Scan# 65
Delta R.T. -0.007 min
Lab File: BN037861.D
Acq: 23 Sep 2025 12:13

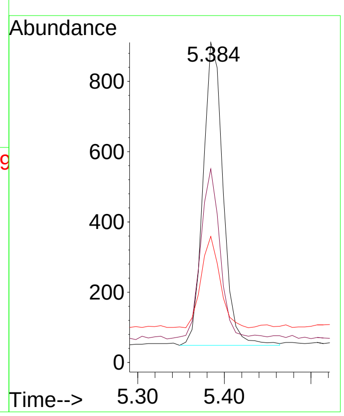
Tgt Ion:152	Resp:		5856
Ion	Ratio	Lower	Upper
152	100		
150	154.8	121.0	181.4
115	59.9	47.4	71.0





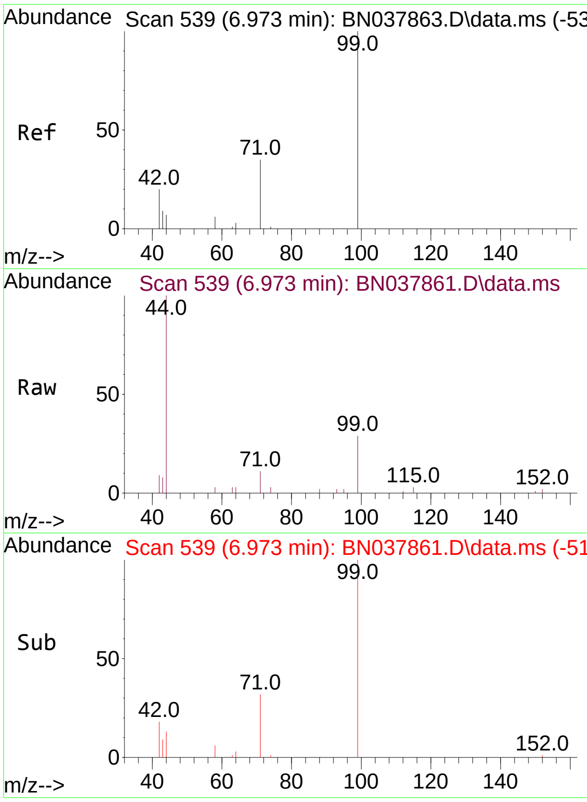
#4
2-Fluorophenol
Concen: 0.103 ng
RT: 5.384 min Scan# 319
Delta R.T. -0.000 min
Lab File: BN037861.D
Acq: 23 Sep 2025 12:13

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



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

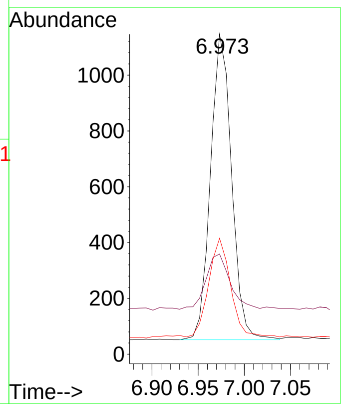
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

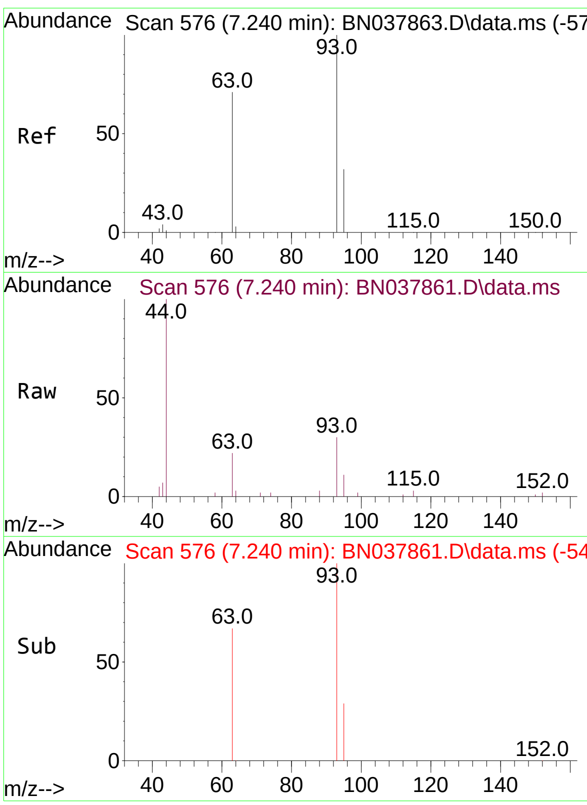


#5
Phenol-d6
Concen: 0.099 ng
RT: 6.973 min Scan# 539
Delta R.T. 0.000 min
Lab File: BN037861.D
Acq: 23 Sep 2025 12:13

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

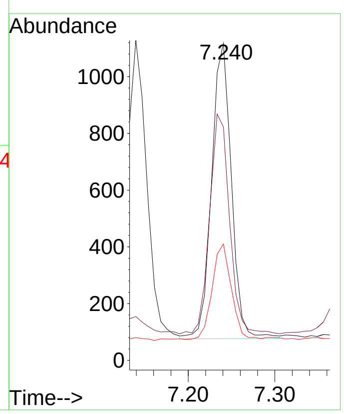




#6
bis(2-Chloroethyl)ether
Concen: 0.102 ng
RT: 7.240 min Scan# 576
Delta R.T. 0.000 min
Lab File: BN037861.D
Acq: 23 Sep 2025 12:13

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



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

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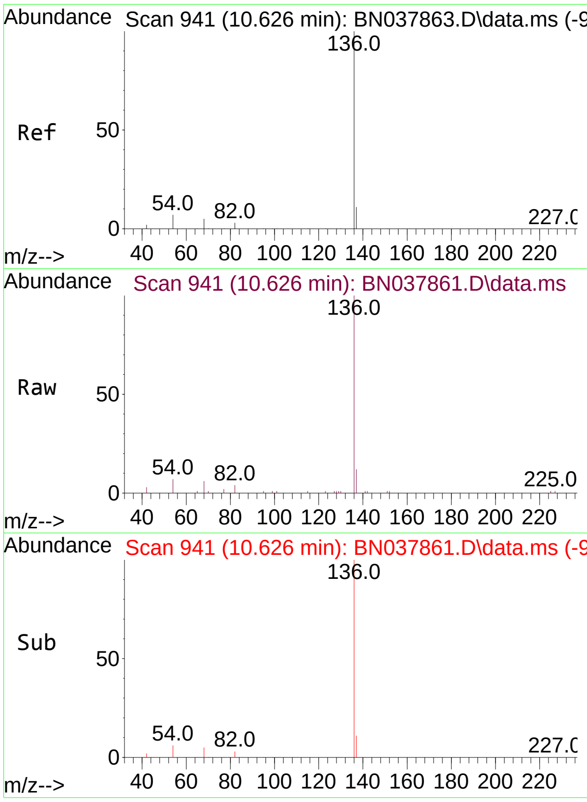
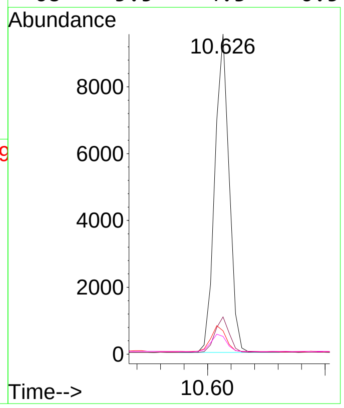
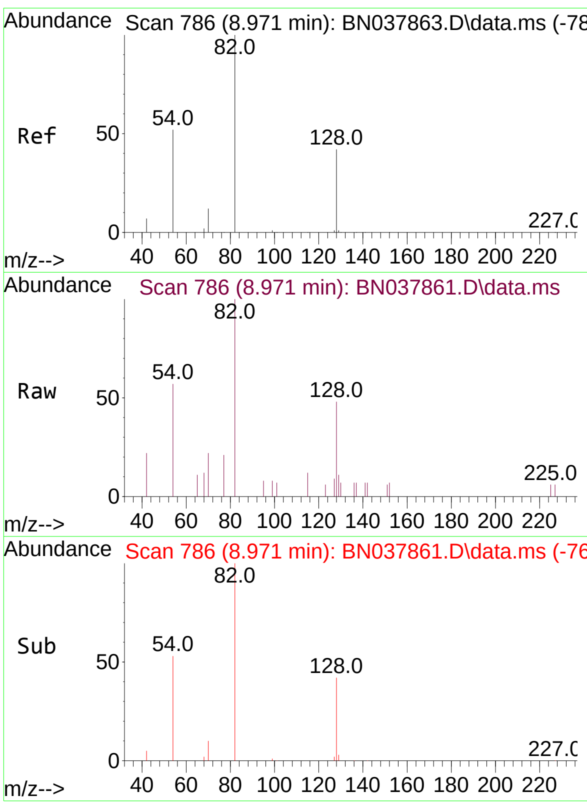


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.626 min   Scan# 94
Delta R.T.   0.000 min
Lab File: BN037861.D
Acq: 23 Sep 2025   12:13

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

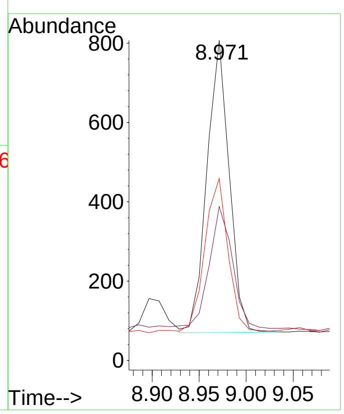




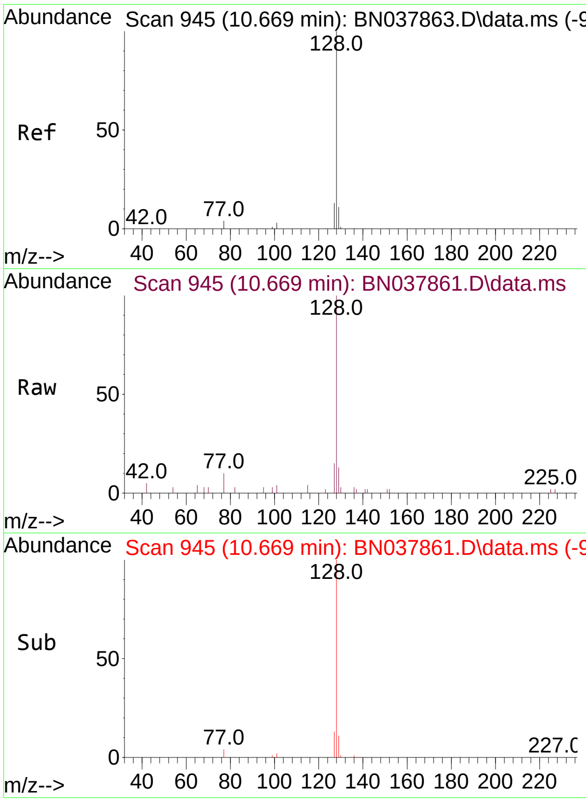
#8
Nitrobenzene-d5
Concen: 0.098 ng
RT: 8.971 min   Scan# 786
Delta R.T. -0.000 min
Lab File: BN037861.D
Acq: 23 Sep 2025   12:13

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



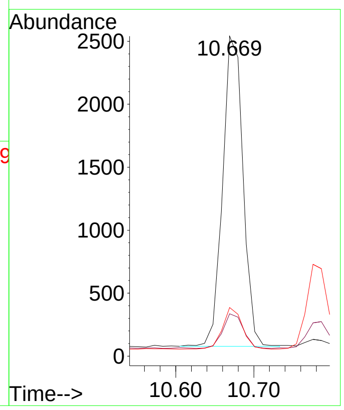
Instrument : BNA_N
ClientSampleId : SSTDICC0.1

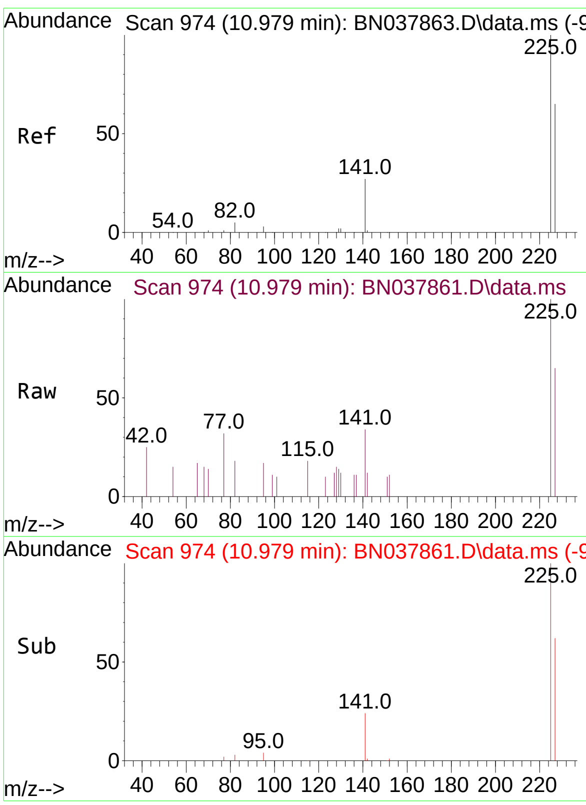


#9
Naphthalene
Concen: 0.100 ng
RT: 10.669 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN037861.D
Acq: 23 Sep 2025 12:13

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

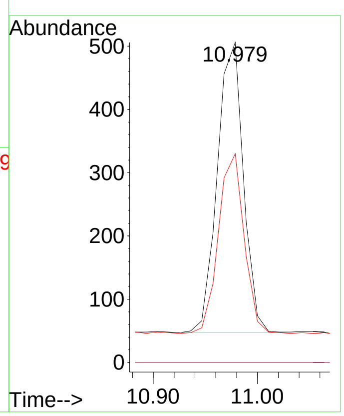




#10
Hexachlorobutadiene
Concen: 0.105 ng
RT: 10.979 min Scan# 974
Delta R.T. 0.000 min
Lab File: BN037861.D
Acq: 23 Sep 2025 12:13

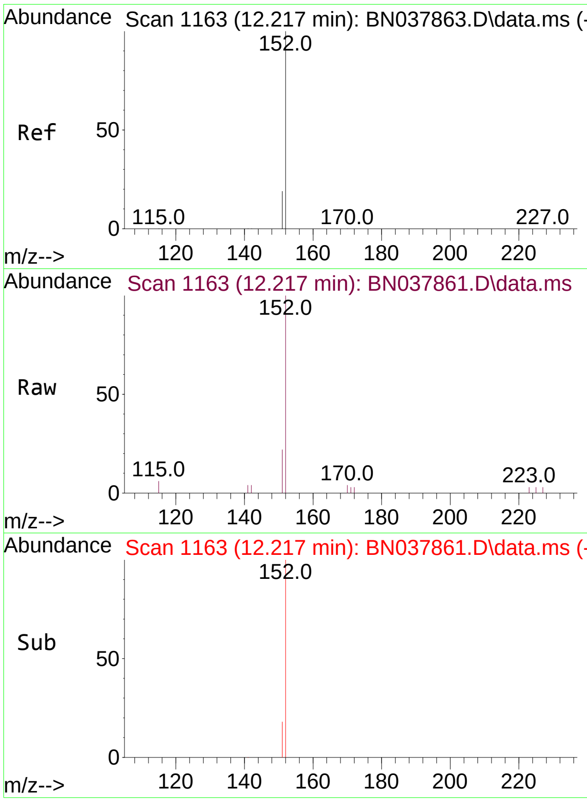
Tgt Ion:225 Resp: 802

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	60.8	51.4	77.2



ICAL Form

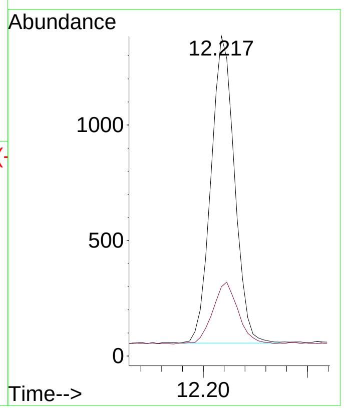
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

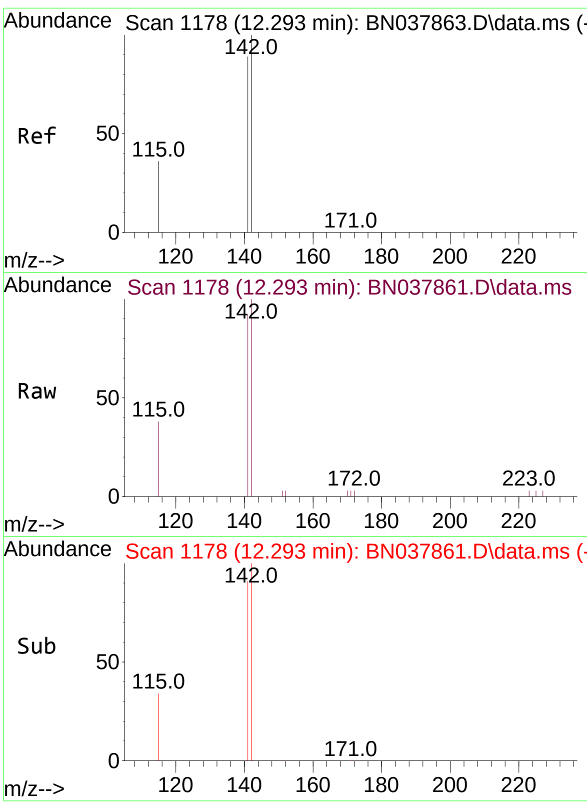


#11
2-Methylnaphthalene-d10
Concen: 0.093 ng
RT: 12.217 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN037861.D
Acq: 23 Sep 2025 12:13

Tgt Ion:152 Resp: 2089

Ion	Ratio	Lower	Upper
152	100		
151	22.0	17.4	26.2

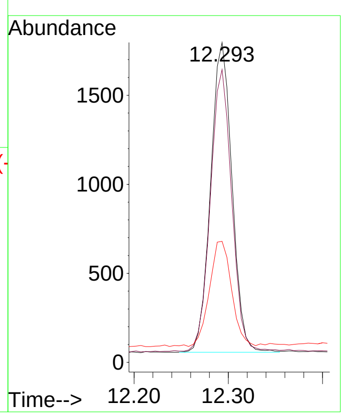




#12
2-Methylnaphthalene
Concen: 0.094 ng
RT: 12.293 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BN037861.D
Acq: 23 Sep 2025 12:13

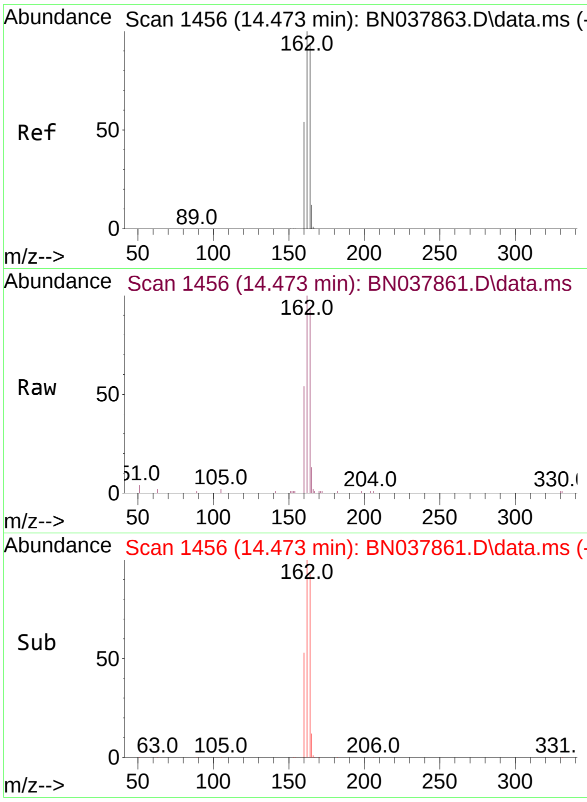
Tgt Ion:142 Resp: 2749

Ion	Ratio	Lower	Upper
142	100		
141	91.5	71.2	106.8
115	37.8	29.7	44.5



Instrument : BNA_N
ClientSampleId : SSTDICC0.1

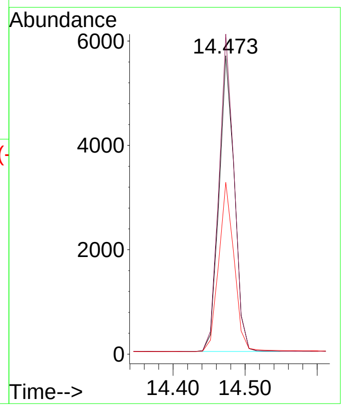
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

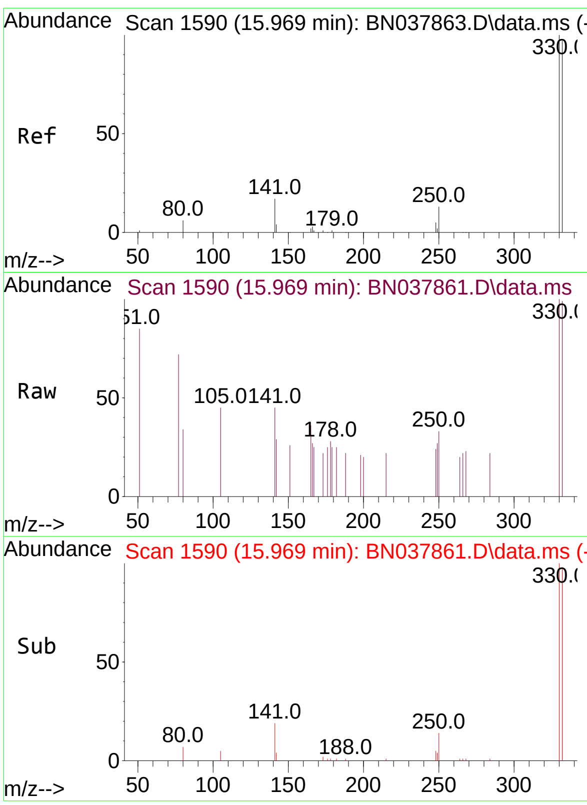


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.473 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN037861.D
Acq: 23 Sep 2025 12:13

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

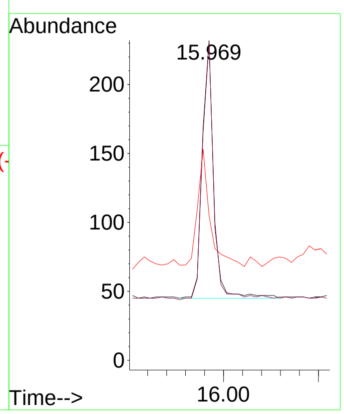




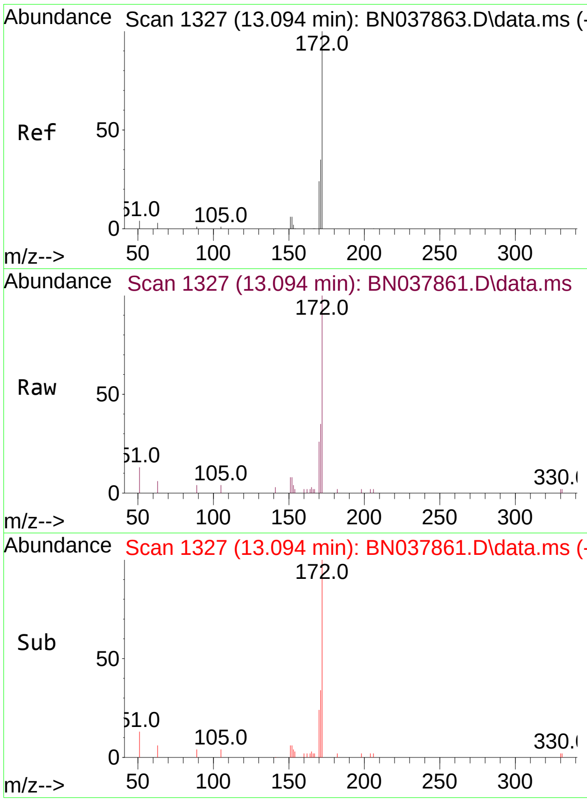
#14
2,4,6-Tribromophenol
Concen: 0.091 ng
RT: 15.969 min Scan# 1590
Delta R.T. 0.000 min
Lab File: BN037861.D
Acq: 23 Sep 2025 12:13

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

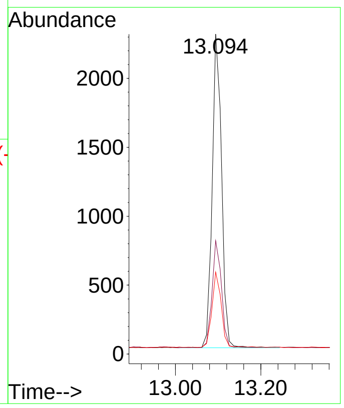


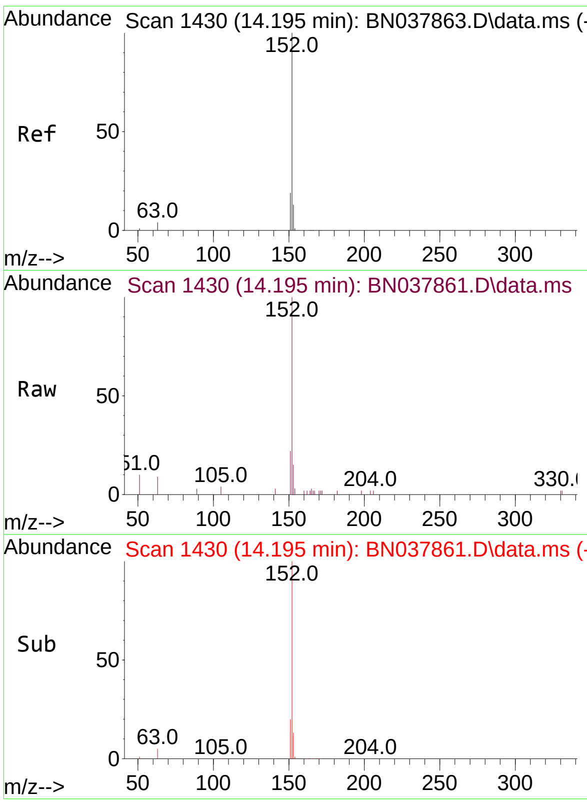
Instrument : BNA_N
ClientSampleId : SSTDICC0.1




```
#15
2-Fluorobiphenyl
Concen:     0.101 ng
RT:  13.094 min  Scan# 13
Delta R.T.  0.000 min
Lab File:   BN037861.D
Acq: 23 Sep 2025  12:13

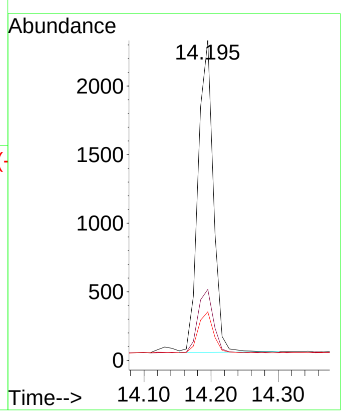
Tgt Ion:172 Resp:    3478
Ion   Ratio  Lower  Upper
172   100
171    35.4   28.6   43.0
170    25.6   19.7   29.5
```



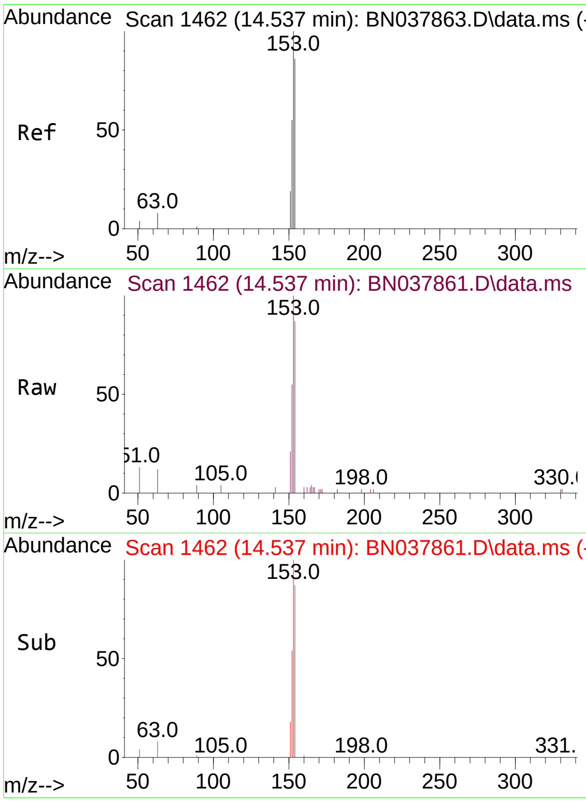



```
#16
Acenaphthylene
Concen:     0.093 ng
RT:  14.195 min  Scan# 1430
Delta R.T.  -0.000 min
Lab File:   BN037861.D
Acq: 23 Sep 2025  12:13

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
```



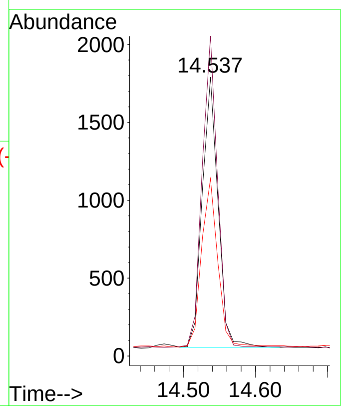
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

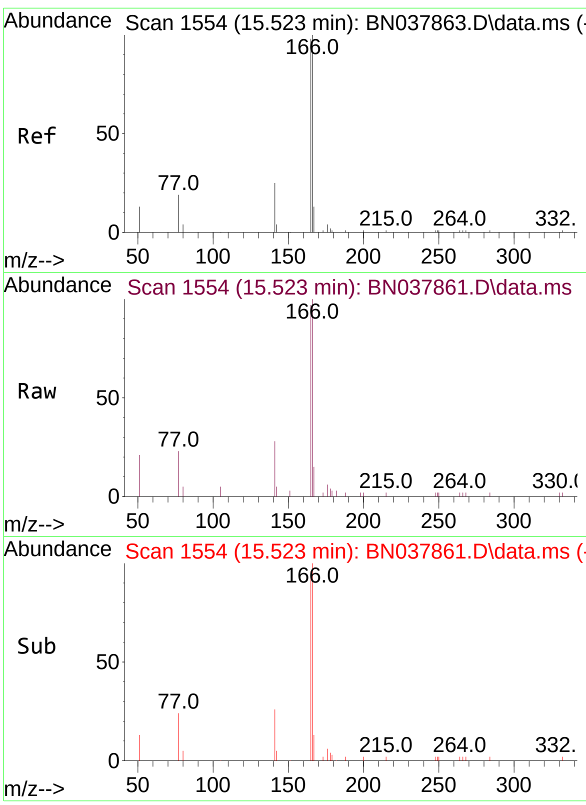


#17
Acenaphthene
Concen: 0.098 ng
RT: 14.537 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037861.D
Acq: 23 Sep 2025 12:13

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

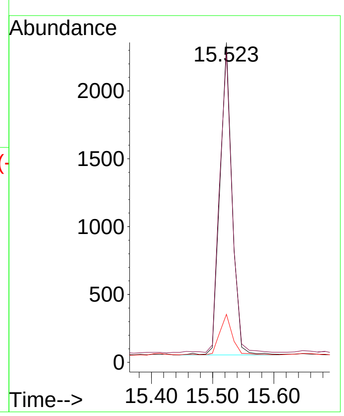




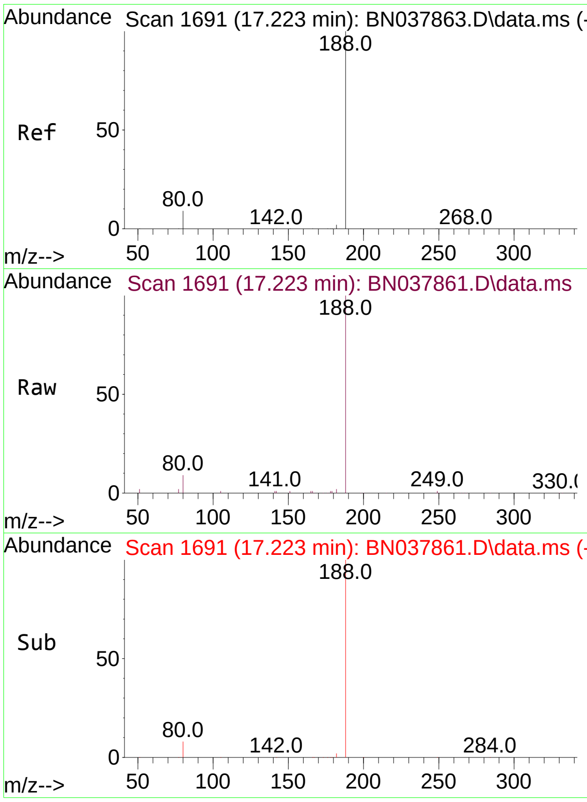
#18
Fluorene
Concen: 0.093 ng
RT: 15.523 min Scan# 1554
Delta R.T. -0.000 min
Lab File: BN037861.D
Acq: 23 Sep 2025 12:13

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



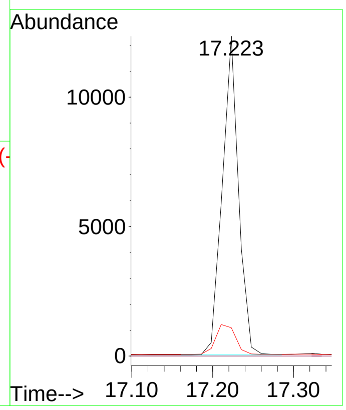
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

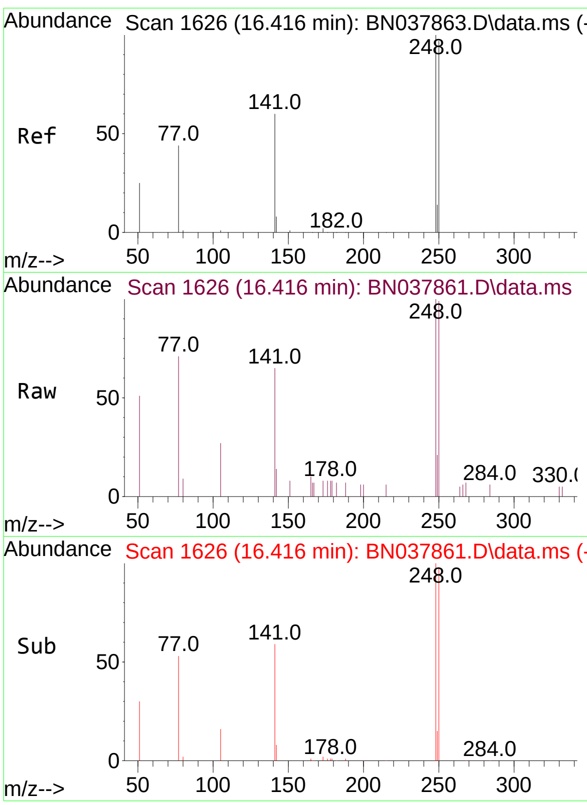


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.223 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037861.D
Acq: 23 Sep 2025 12:13

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

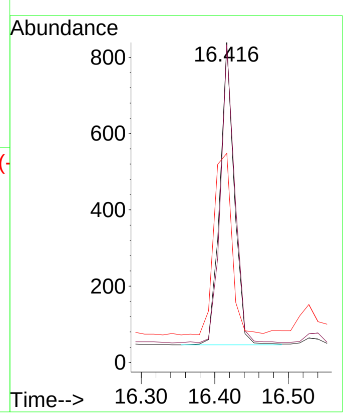




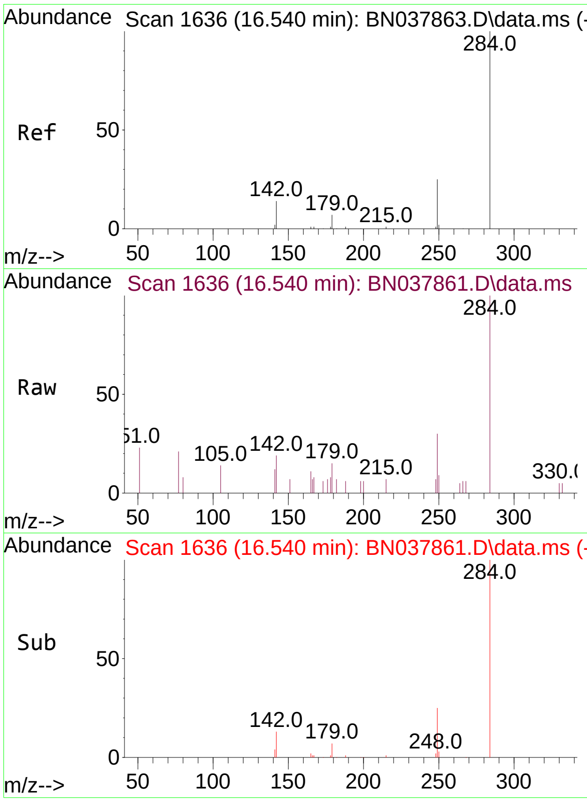
#21
4-Bromophenyl-phenylether
Concen: 0.097 ng
RT: 16.416 min Scan# 1626
Delta R.T. -0.000 min
Lab File: BN037861.D
Acq: 23 Sep 2025 12:13

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



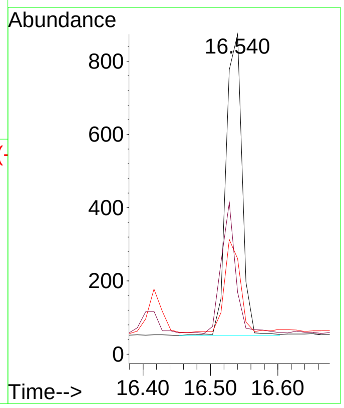
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

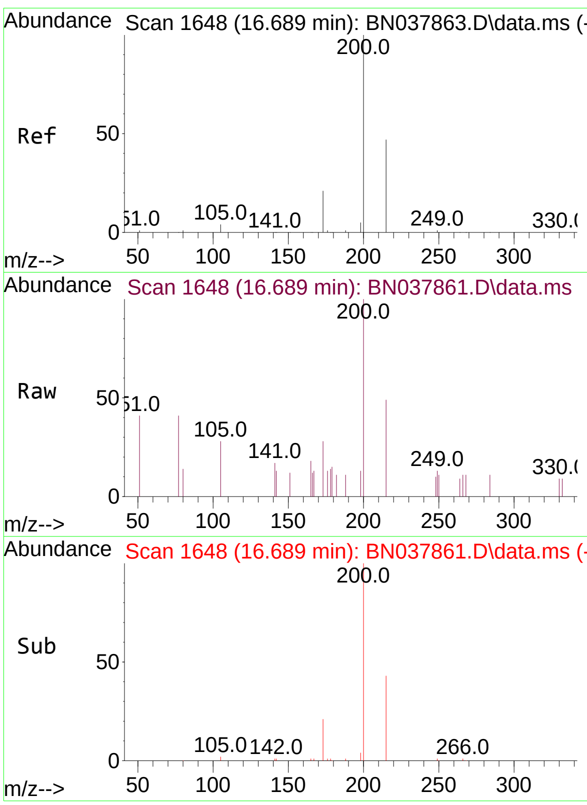


#22
Hexachlorobenzene
Concen: 0.100 ng
RT: 16.540 min Scan# 1636
Delta R.T. 0.000 min
Lab File: BN037861.D
Acq: 23 Sep 2025 12:13

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

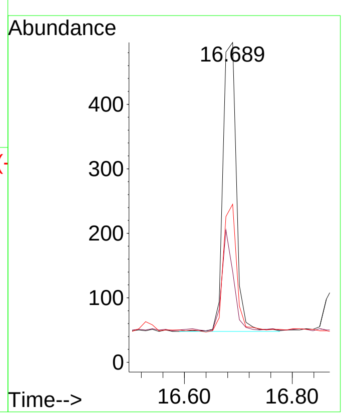


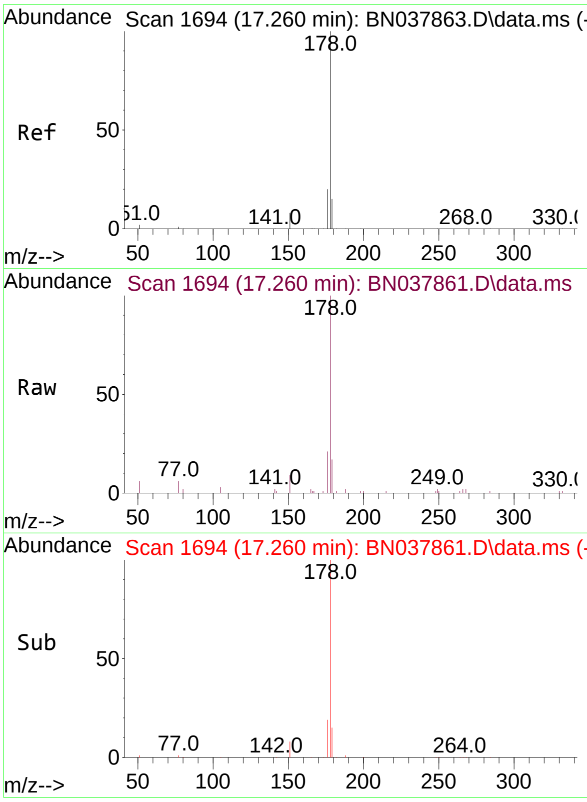


#23
Atrazine
Concen: 0.090 ng
RT: 16.689 min Scan# 1648
Delta R.T. 0.000 min
Lab File: BN037861.D
Acq: 23 Sep 2025 12:13

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



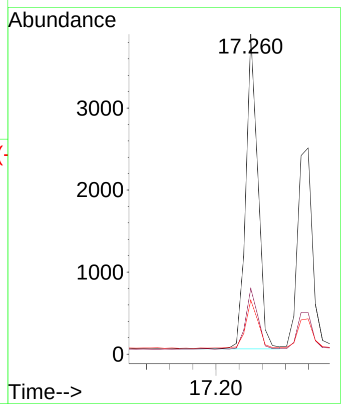


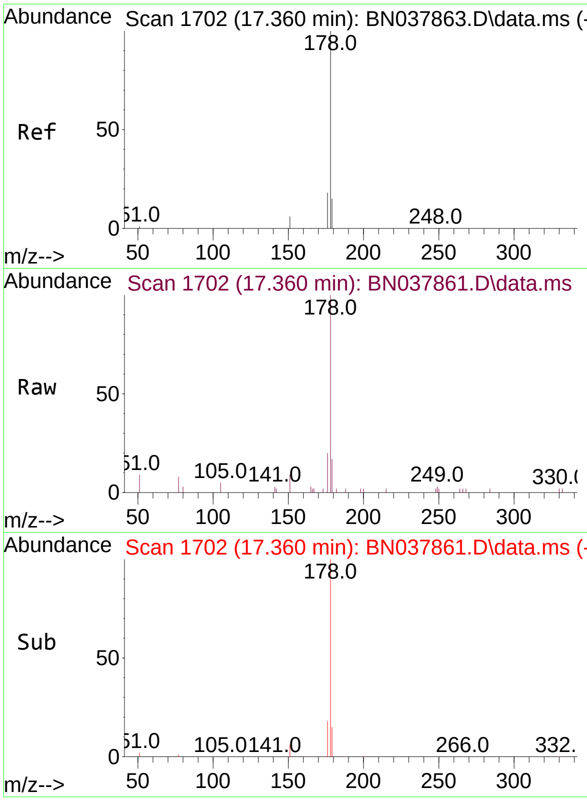
#25
Phenanthrene
Concen: 0.099 ng
RT: 17.260 min Scan# 16
Delta R.T. 0.000 min
Lab File: BN037861.D
Acq: 23 Sep 2025 12:13

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

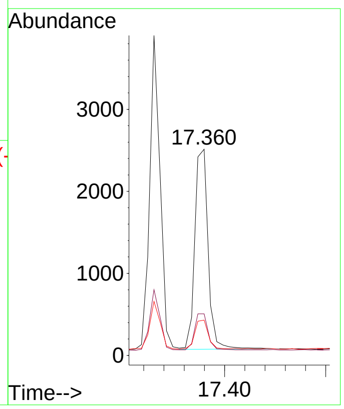




#26
Anthracene
Concen: 0.091 ng
RT: 17.360 min Scan# 1702
Delta R.T. 0.000 min
Lab File: BN037861.D
Acq: 23 Sep 2025 12:13

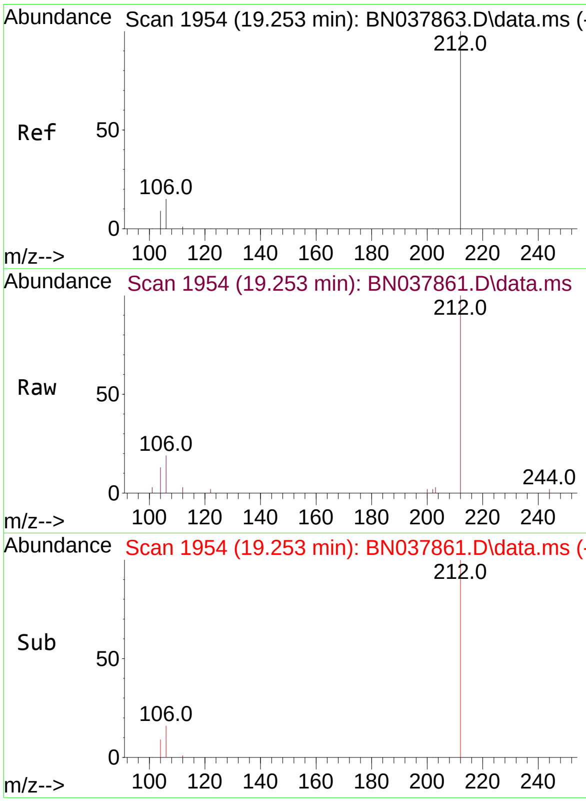
Tgt Ion:178 Resp: 4446

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.0	22.4
179	14.9	12.3	18.5



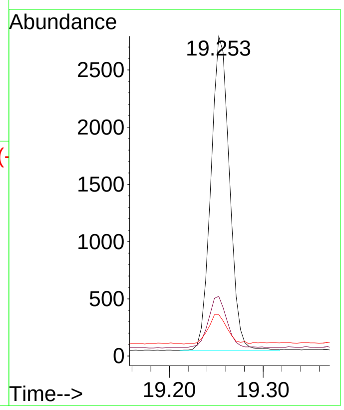
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

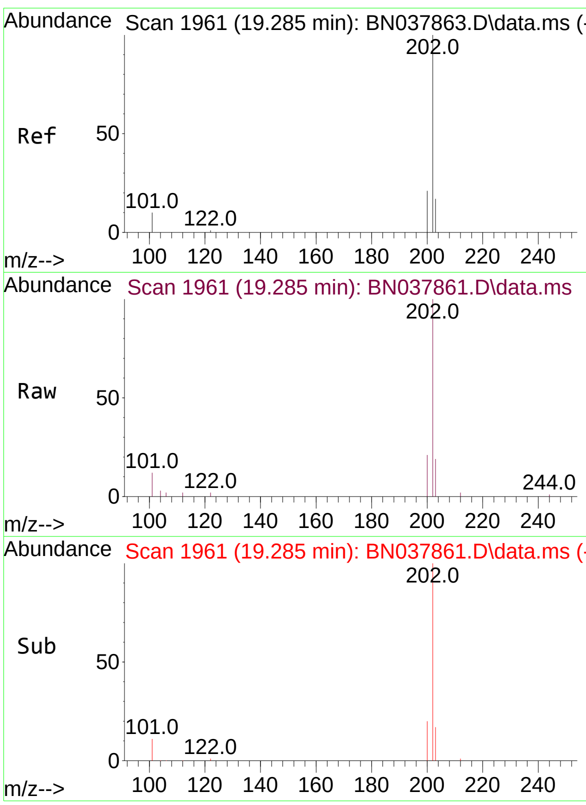
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1




```
#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

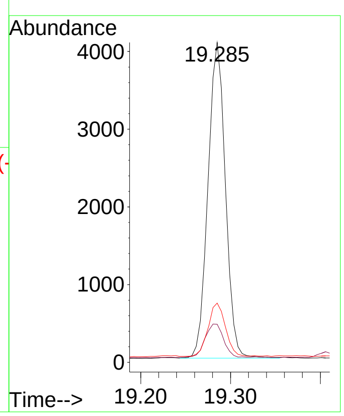
Tgt Ion:212 Resp:    3783
Ion  Ratio  Lower  Upper
212  100
106   16.8   12.6   19.0
104    9.7    7.4   11.0
```



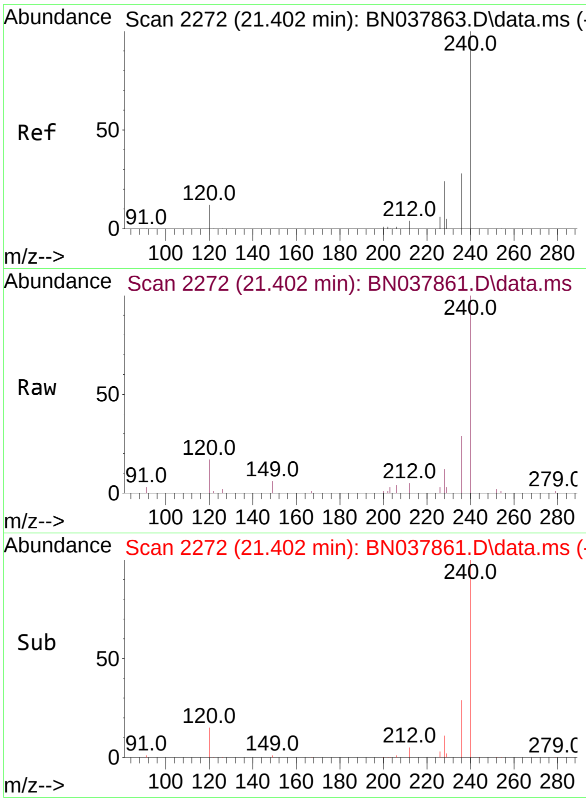



```
#28
Fluoranthene
Concen:    0.088 ng
RT:  19.285 min  Scan# 1961
Delta R.T.  -0.000 min
Lab File:   BN037861.D
Acq: 23 Sep 2025  12:13

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
```



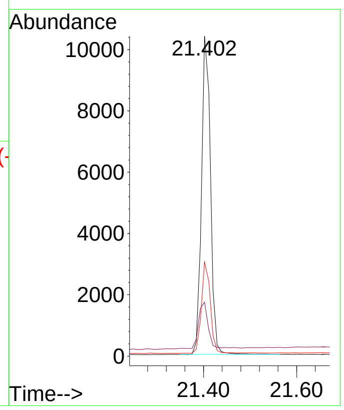
Instrument : BNA_N
ClientSampleId : SSTDICC0.1

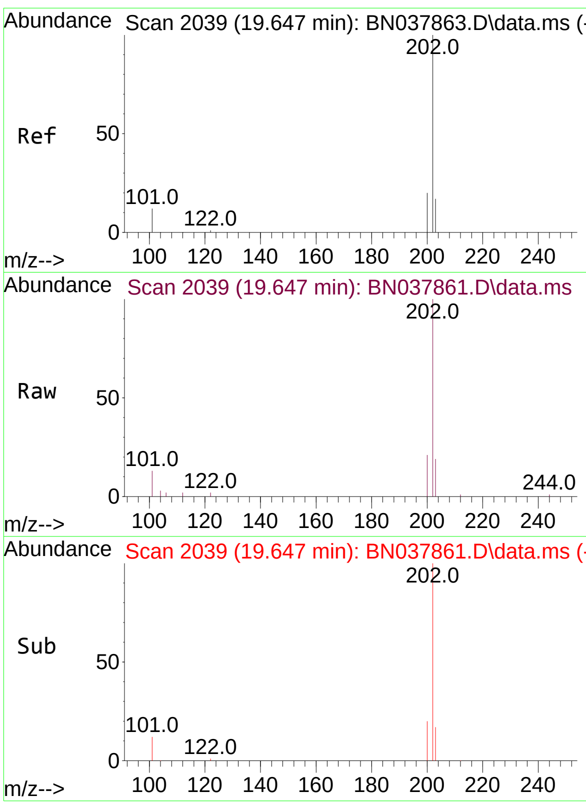


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.402 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037861.D
Acq: 23 Sep 2025 12:13

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

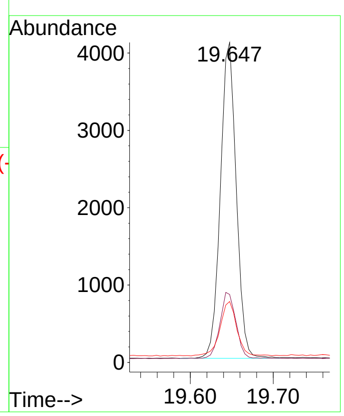




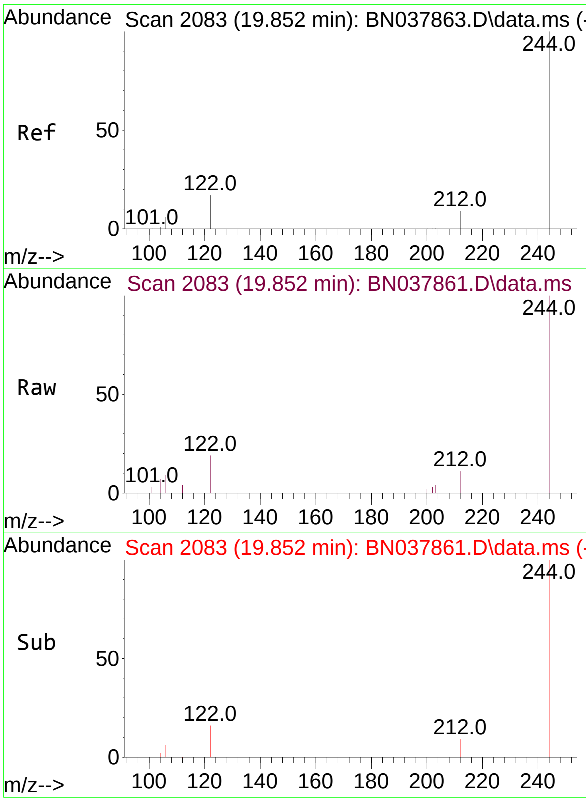
#30
Pyrene
Concen: 0.100 ng
RT: 19.647 min Scan# 2039
Delta R.T. 0.000 min
Lab File: BN037861.D
Acq: 23 Sep 2025 12:13

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



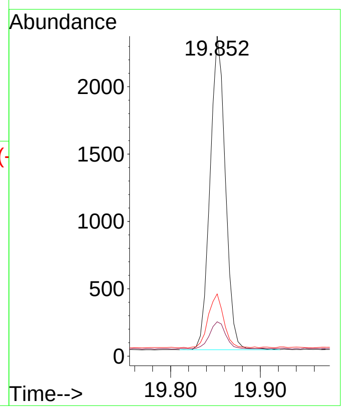
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

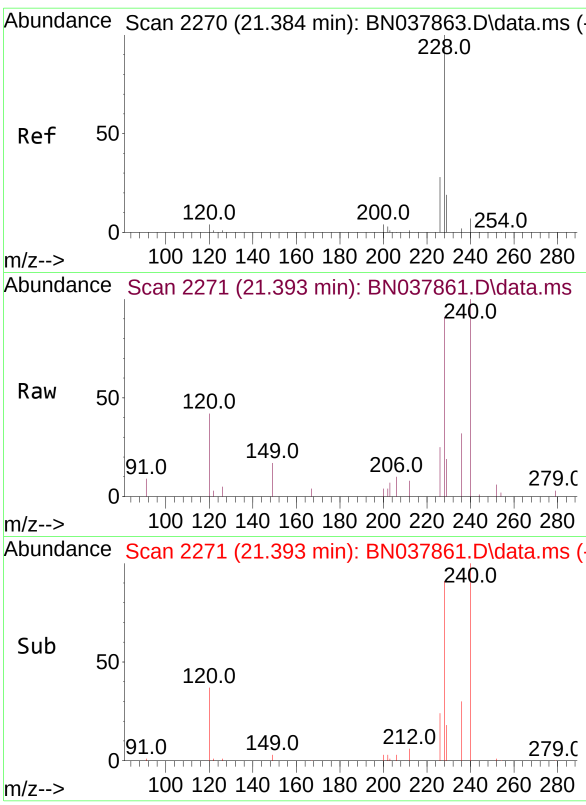


#31
Terphenyl-d14
Concen: 0.100 ng
RT: 19.852 min Scan# 20
Delta R.T. 0.000 min
Lab File: BN037861.D
Acq: 23 Sep 2025 12:13

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

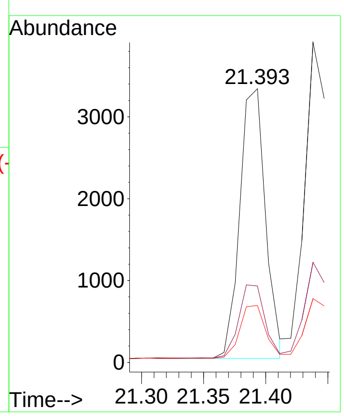




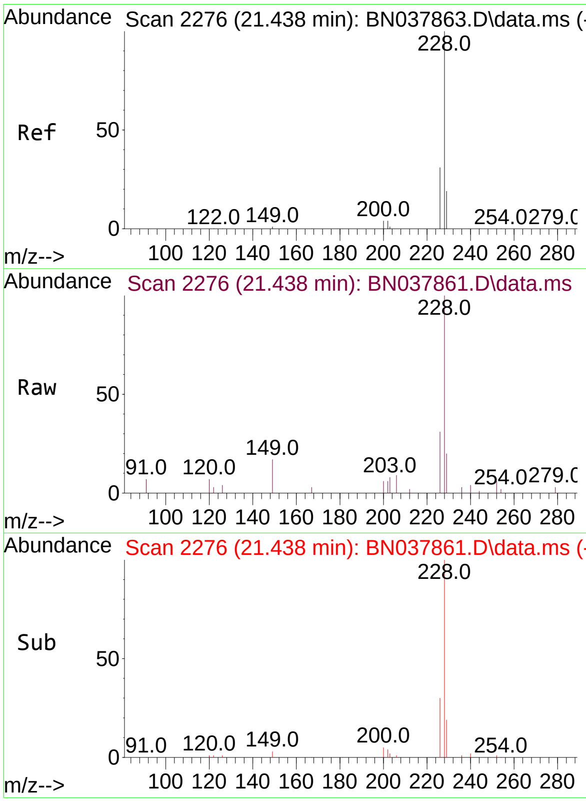
#32
Benzo(a)anthracene
Concen: 0.098 ng
RT: 21.393 min Scan# 2271
Delta R.T. 0.009 min
Lab File: BN037861.D
Acq: 23 Sep 2025 12:13

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

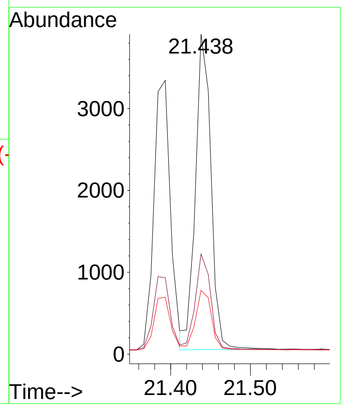


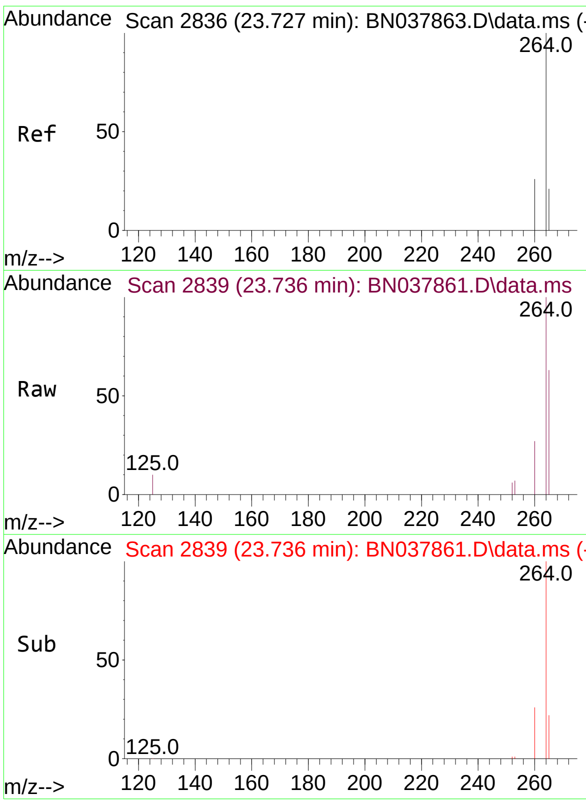
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1




```
#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

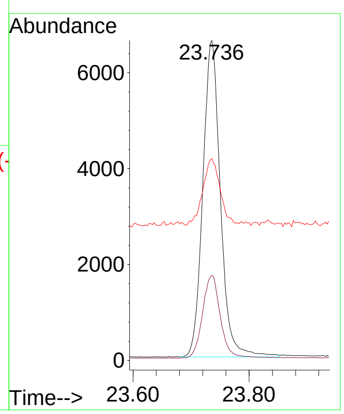
Tgt Ion:228 Resp:    5223
Ion  Ratio  Lower  Upper
228  100
226   31.3   24.6   37.0
229   19.9   15.6   23.4
```



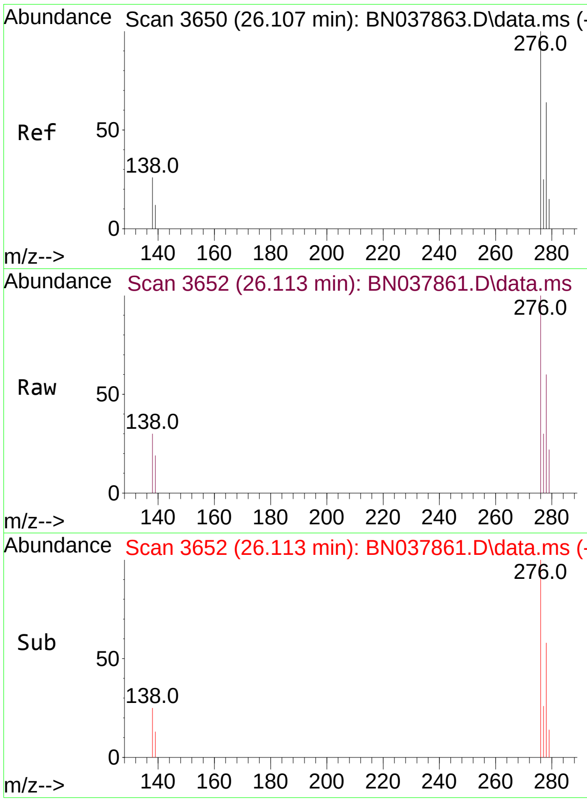



```
#35
Perylene-d12
Concen:    0.400 ng
RT:  23.736 min  Scan# 2839
Delta R.T.  0.009 min
Lab File:   BN037861.D
Acq: 23 Sep 2025  12:13

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
```



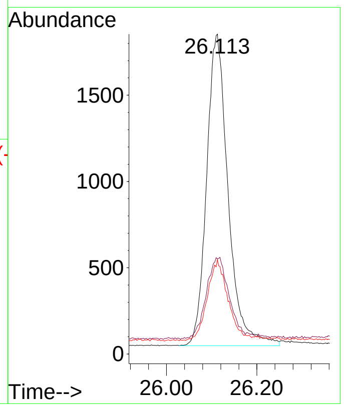
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

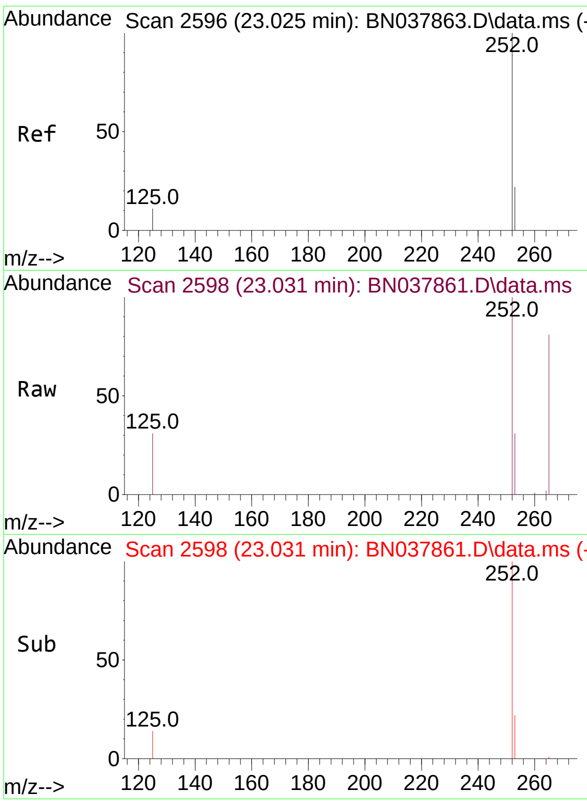


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.094 ng
RT: 26.113 min Scan# 3652
Delta R.T. 0.006 min
Lab File: BN037861.D
Acq: 23 Sep 2025 12:13

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

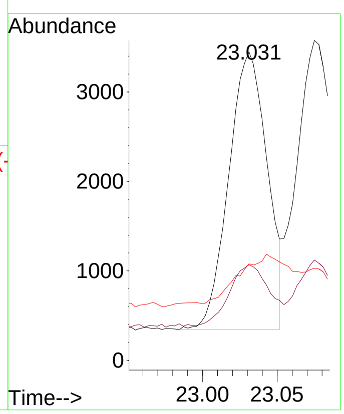




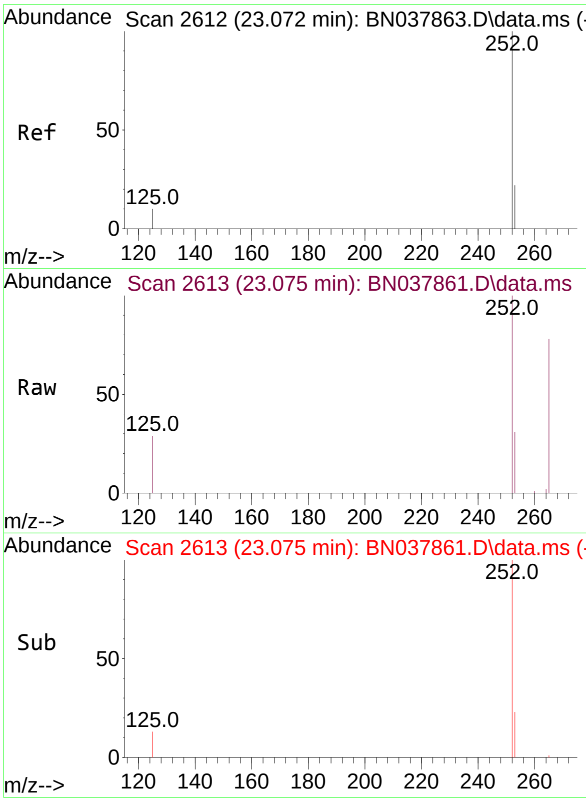
#37
Benzo(b)fluoranthene
Concen: 0.093 ng
RT: 23.031 min Scan# 2598
Delta R.T. 0.006 min
Lab File: BN037861.D
Acq: 23 Sep 2025 12:13

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#

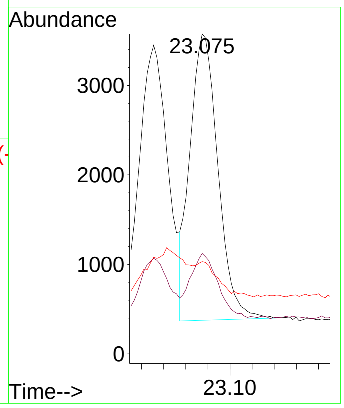


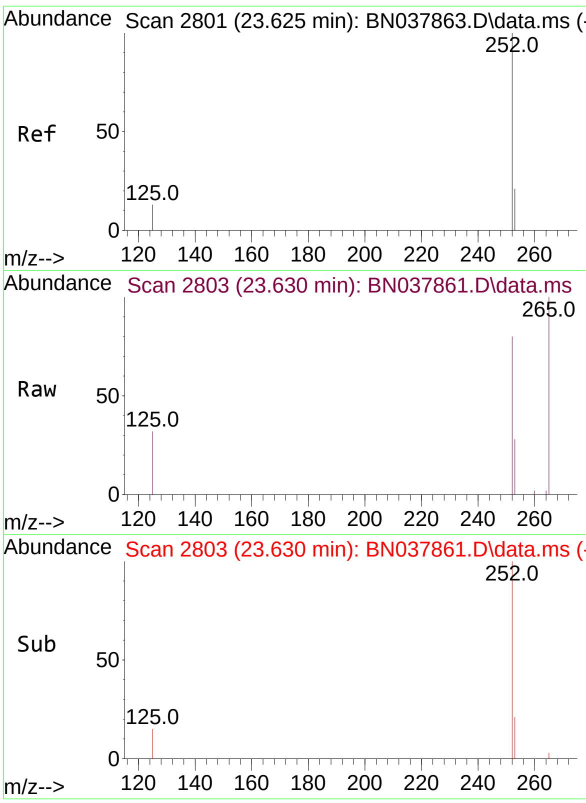
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1




```
#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

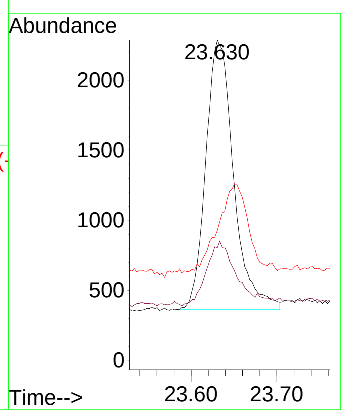
Tgt Ion:252 Resp:    5642
Ion  Ratio  Lower  Upper
252  100
253   31.4   19.5   29.3#
125   28.8   13.0   19.4#
```



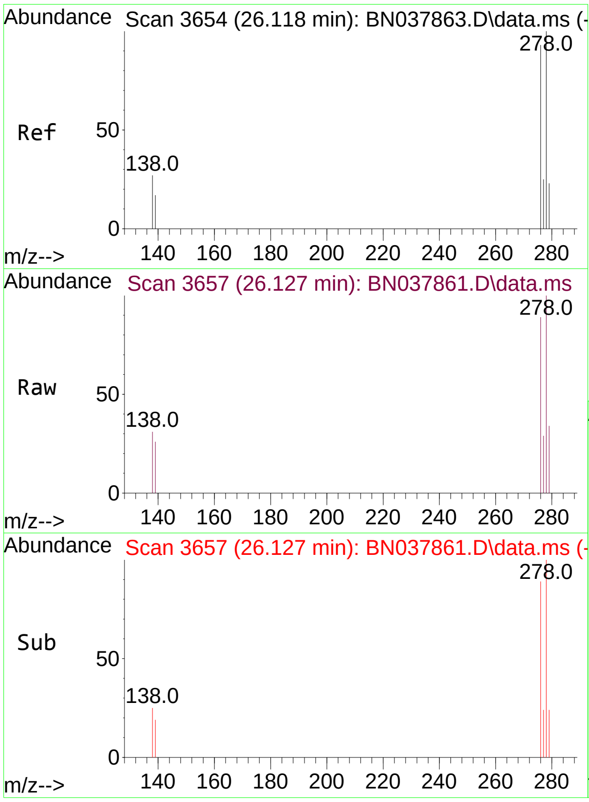



```
#39
Benzo(a)pyrene
Concen:    0.092 ng
RT:  23.630 min  Scan# 2803
Delta R.T.  0.006 min
Lab File:   BN037861.D
Acq: 23 Sep 2025  12:13

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#
```



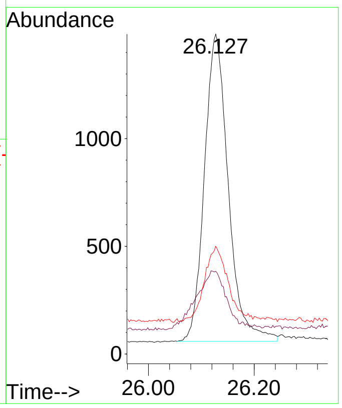
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

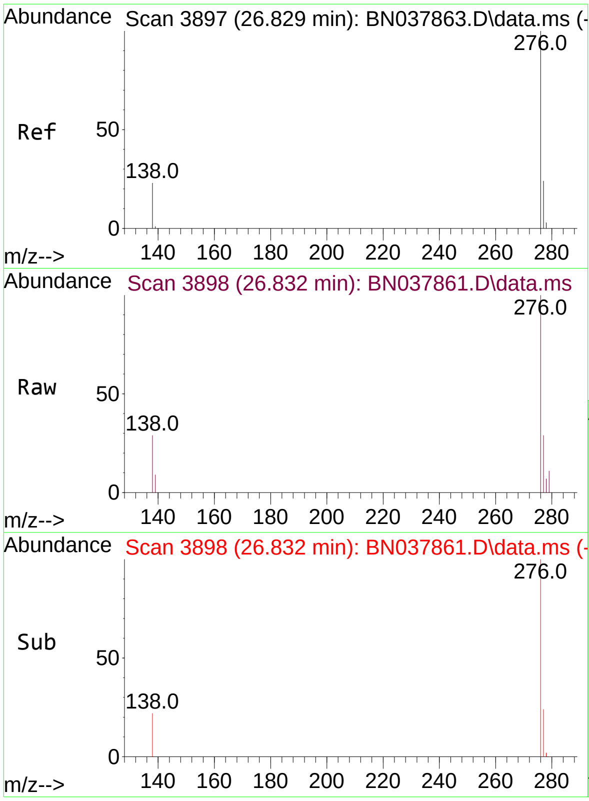


#40
Dibenzo(a,h)anthracene
Concen: 0.090 ng
RT: 26.127 min Scan# 36
Delta R.T. 0.009 min
Lab File: BN037861.D
Acq: 23 Sep 2025 12:13

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#

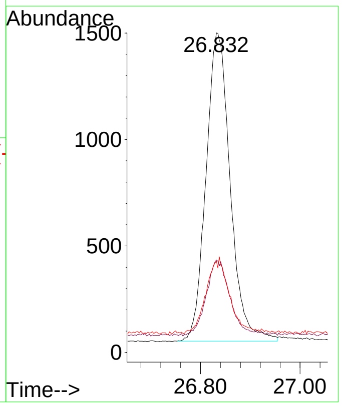




#41
Benzo(g,h,i)perylene
Concen: 0.094 ng
RT: 26.832 min Scan# 3898
Delta R.T. 0.003 min
Lab File: BN037861.D
Acq: 23 Sep 2025 12:13

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



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	R.T.	QIon	Response	Conc	Units		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

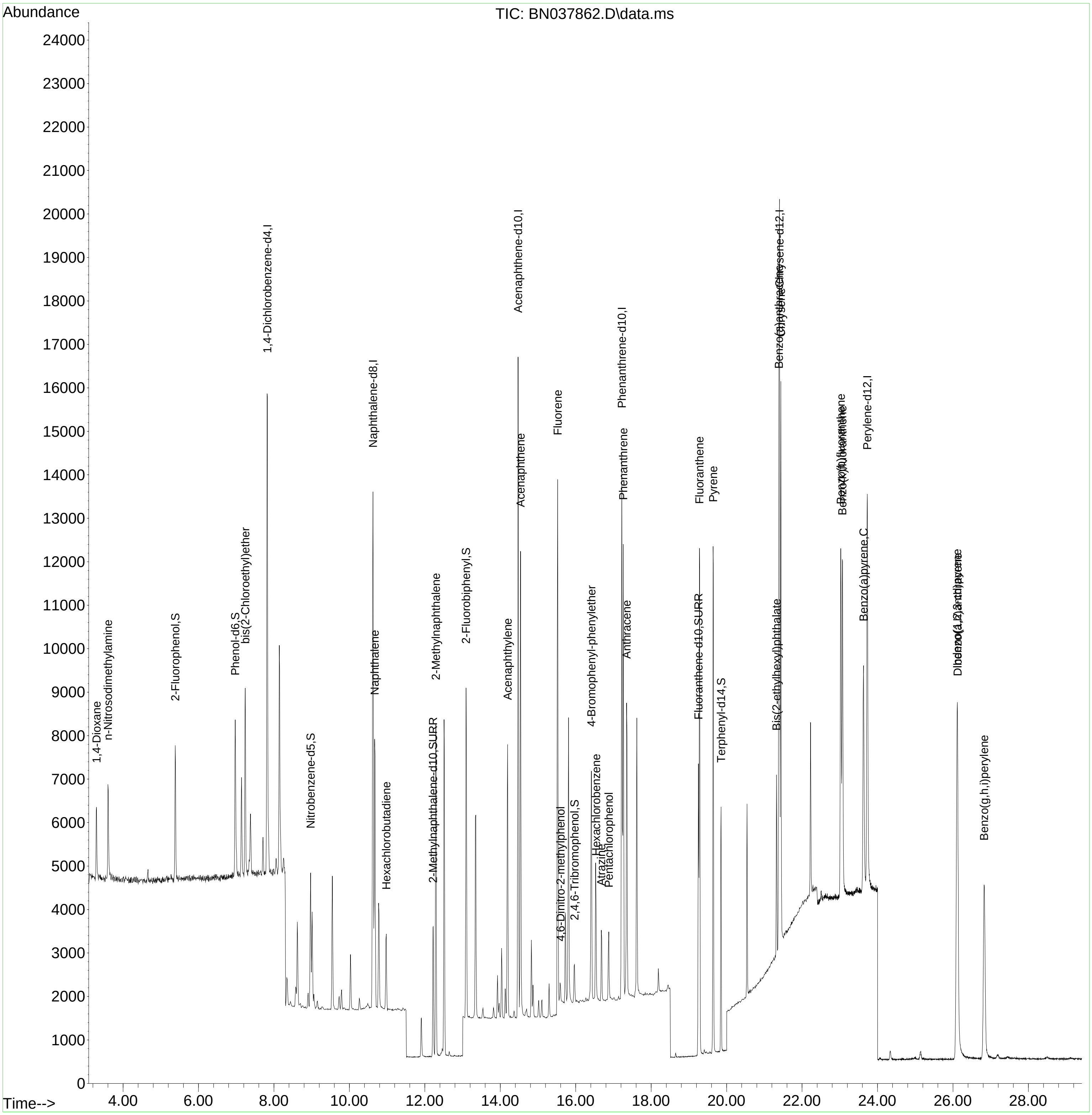
Quantitation Report (QT Reviewed)

ICAL Form

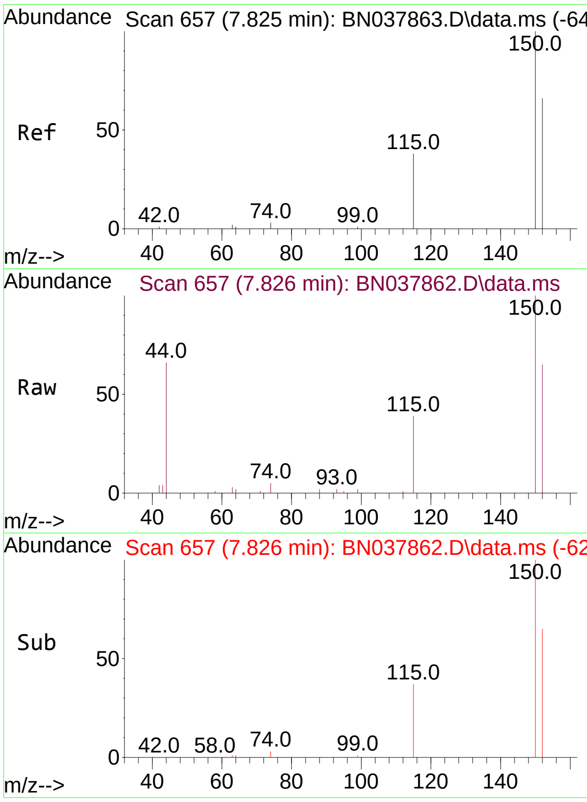
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092325\
Data File : BN037862.D
Acq On : 23 Sep 2025 12:49
Operator : RC/JU
Sample : SSTDICC0.2
Misc :
ALS Vial : 3 Sample Multiplier: 1

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



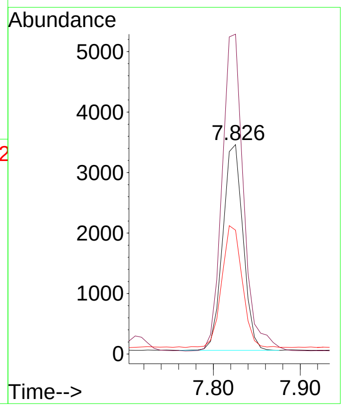
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

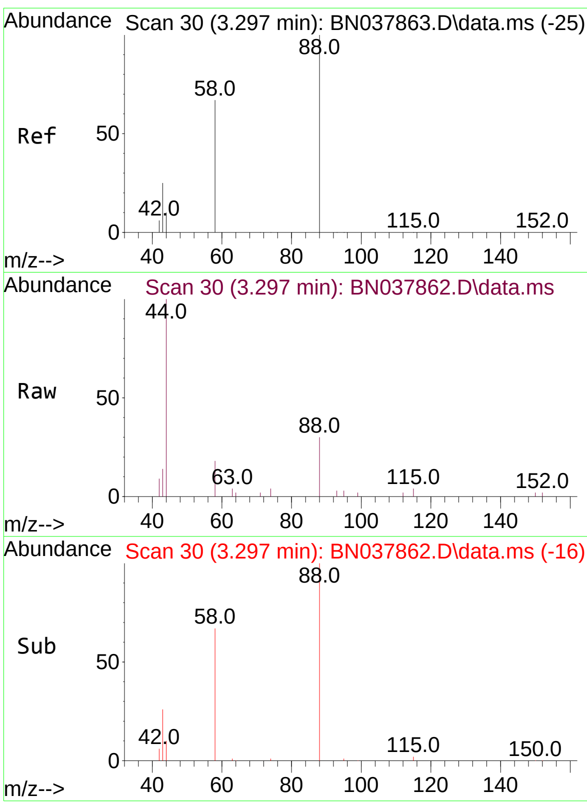


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.826 min Scan# 65
Delta R.T. 0.001 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

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

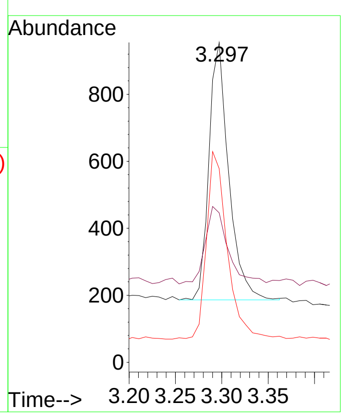




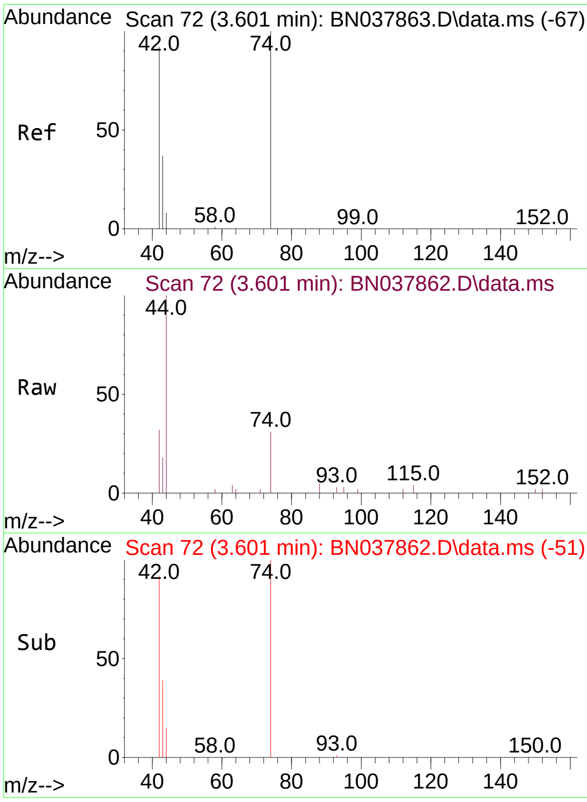
#2
1,4-Dioxane
Concen: 0.203 ng
RT: 3.297 min Scan# 30
Delta R.T. 0.000 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

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



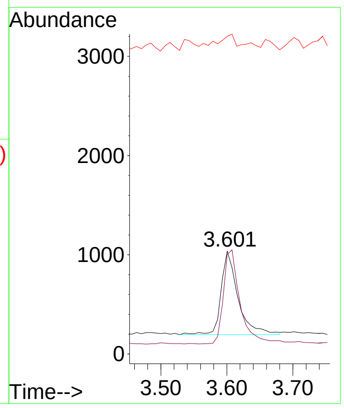
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

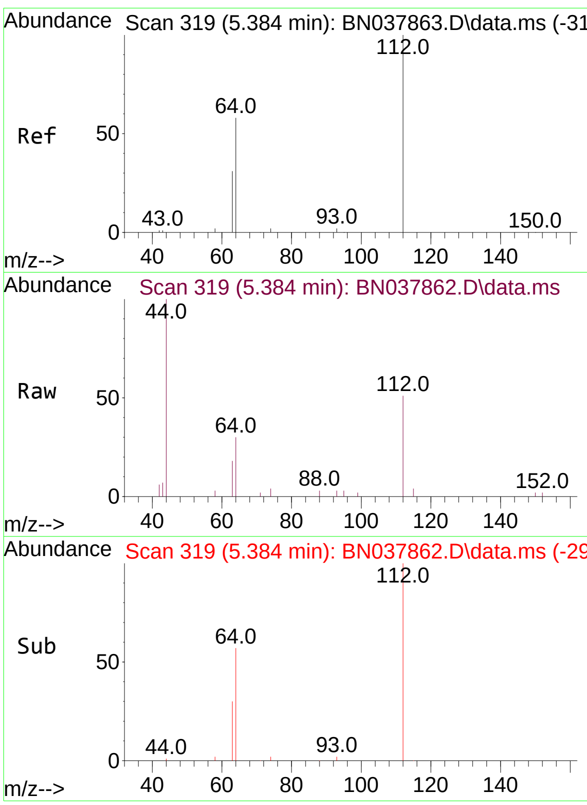


#3
n-Nitrosodimethylamine
Concen: 0.200 ng
RT: 3.601 min   Scan# 72
Delta R.T. 0.000 min
Lab File: BN037862.D
Acq: 23 Sep 2025   12:49

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#

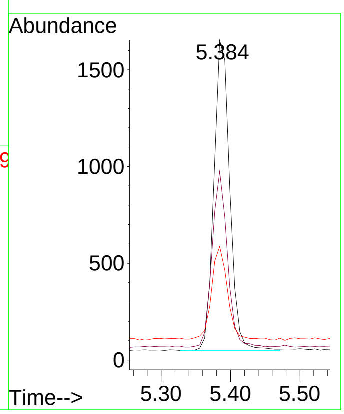




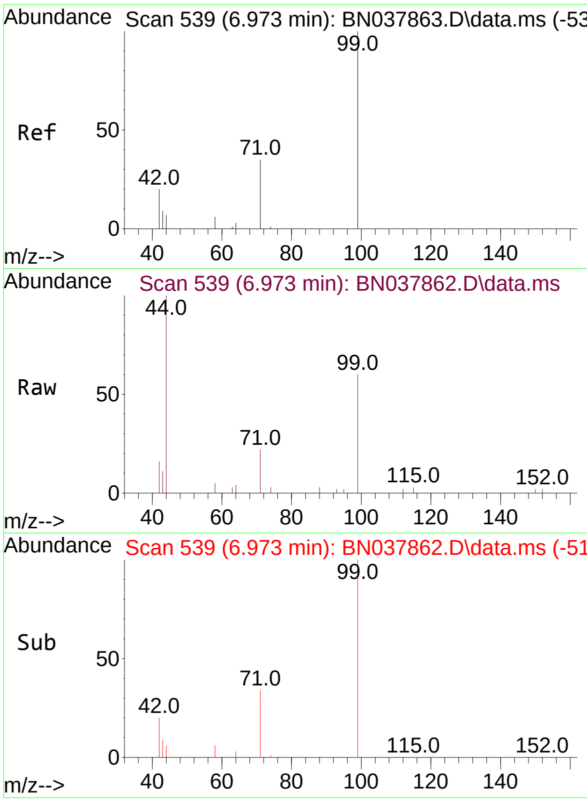
#4
2-Fluorophenol
Concen: 0.202 ng
RT: 5.384 min   Scan# 319
Delta R.T. 0.000 min
Lab File: BN037862.D
Acq: 23 Sep 2025   12:49

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



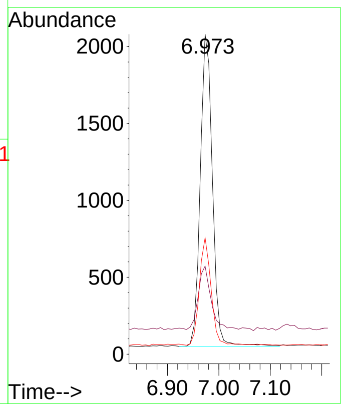
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

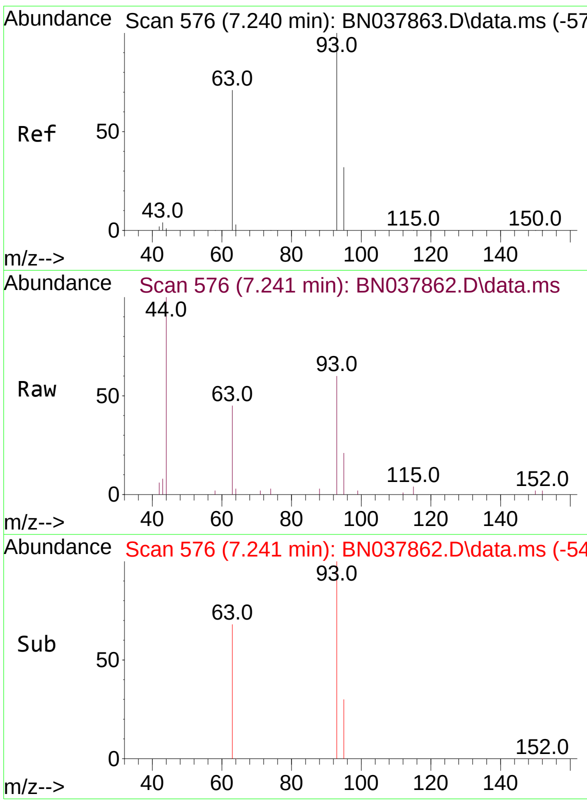


#5
Phenol-d6
Concen: 0.200 ng
RT: 6.973 min   Scan# 53
Delta R.T.   0.000 min
Lab File: BN037862.D
Acq: 23 Sep 2025   12:49

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

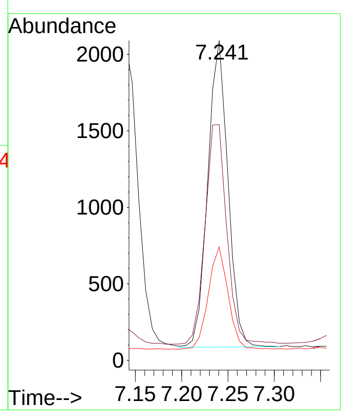




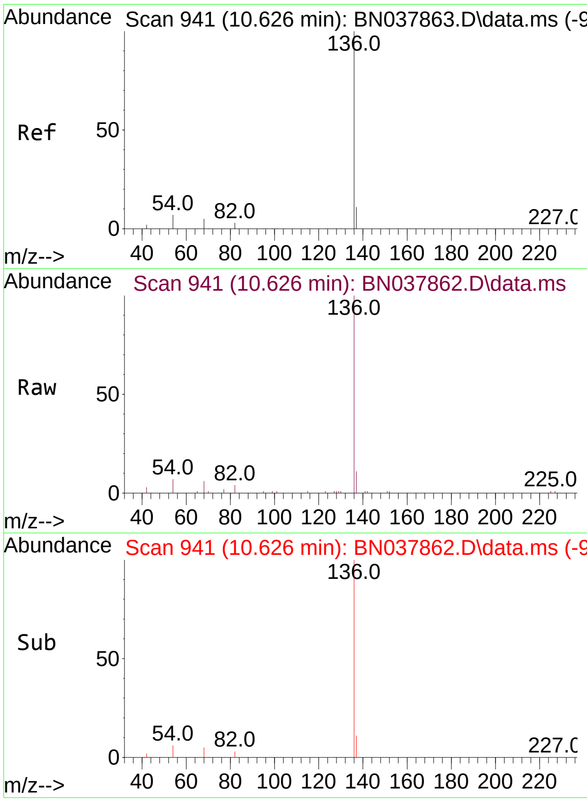
#6
bis(2-Chloroethyl)ether
Concen: 0.197 ng
RT: 7.241 min   Scan# 576
Delta R.T.   0.000 min
Lab File: BN037862.D
Acq: 23 Sep 2025   12:49

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



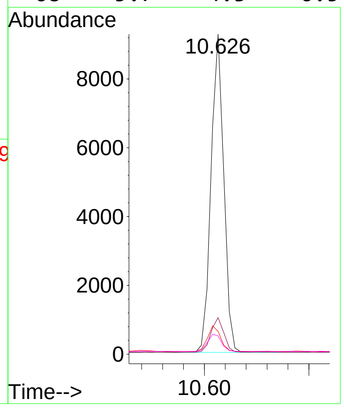
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

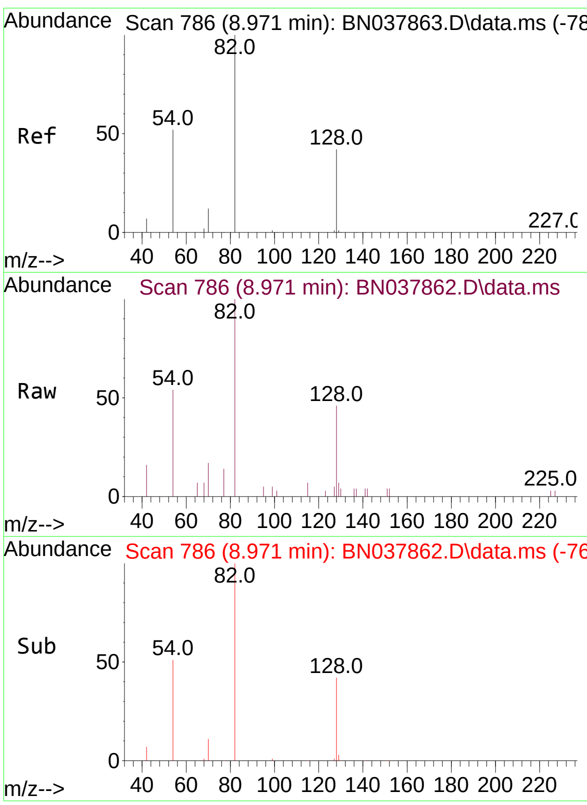


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.626 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

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

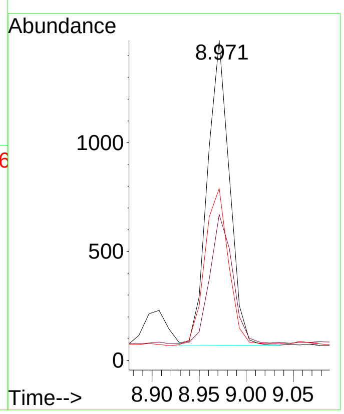




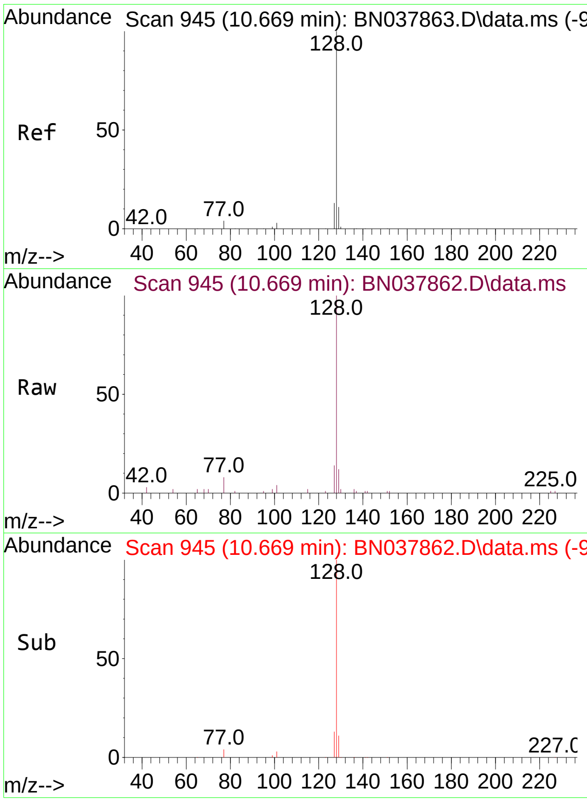
#8
Nitrobenzene-d5
Concen: 0.190 ng
RT: 8.971 min Scan# 786
Delta R.T. 0.000 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

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



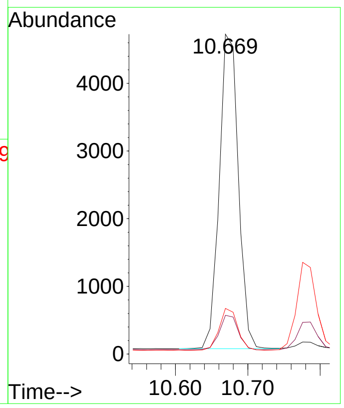
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

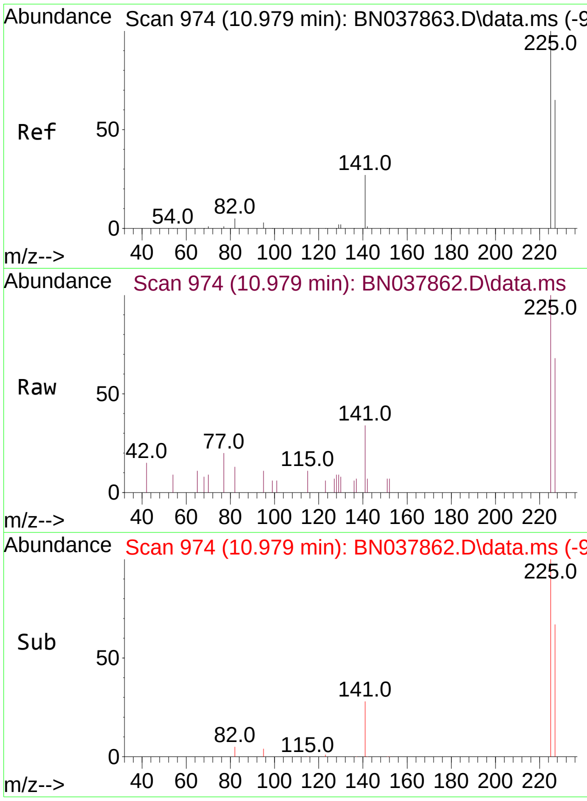


#9
Naphthalene
Concen: 0.198 ng
RT: 10.669 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

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

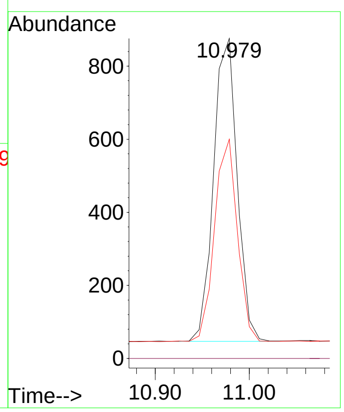




#10
Hexachlorobutadiene
Concen: 0.196 ng
RT: 10.979 min Scan# 974
Delta R.T. 0.000 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

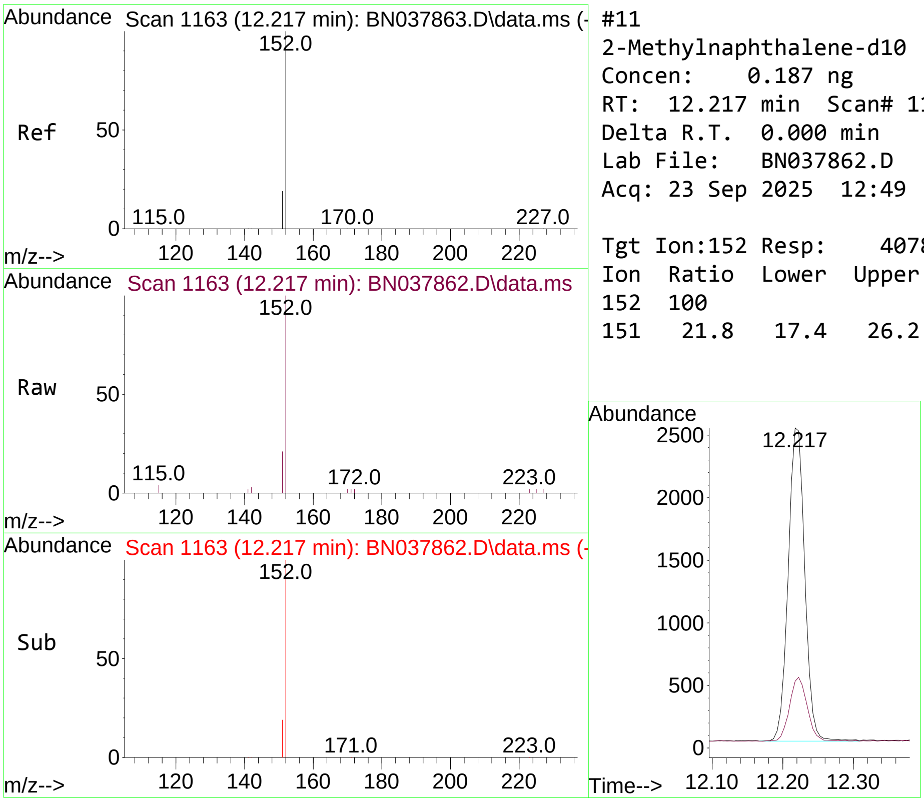
Tgt Ion:225 Resp: 1450

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	65.0	51.4	77.2



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

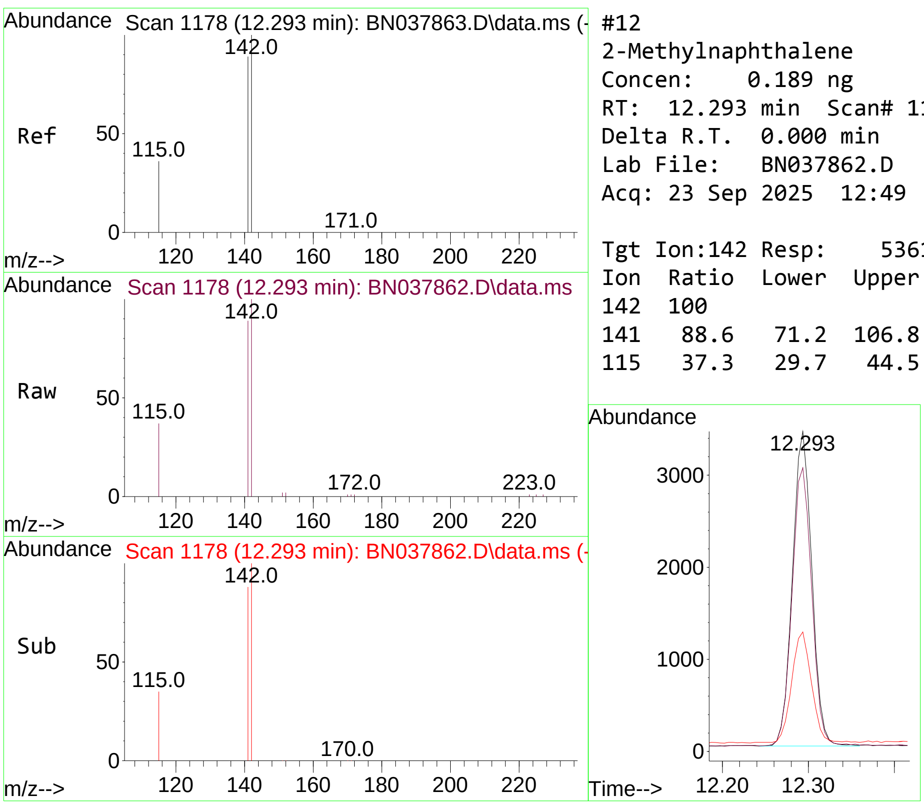
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2



#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

Tgt Ion:152 Resp: 4078

Ion	Ratio	Lower	Upper
152	100		
151	21.8	17.4	26.2

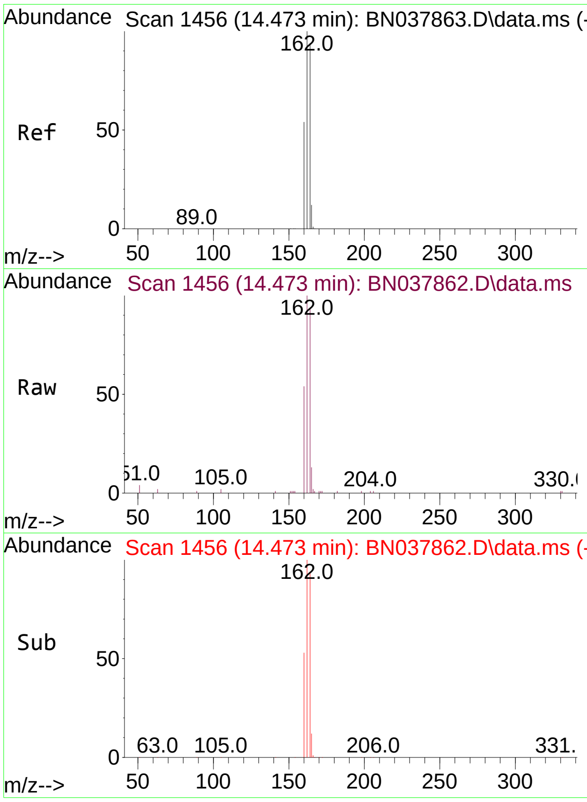


#12
2-Methylnaphthalene
Concen: 0.189 ng
RT: 12.293 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

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

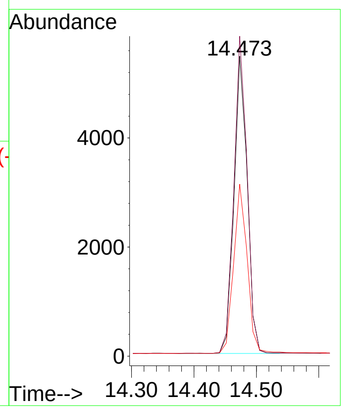
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

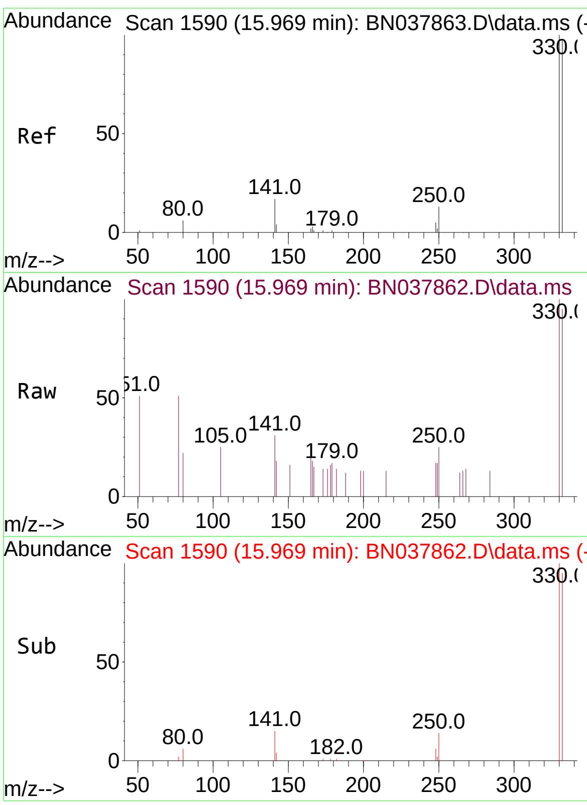


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.473 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

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

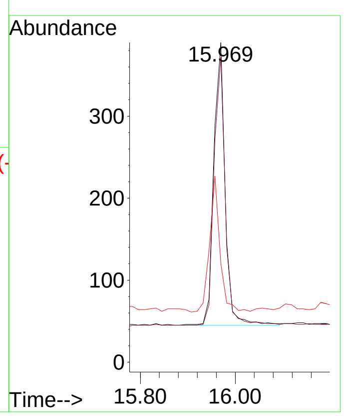




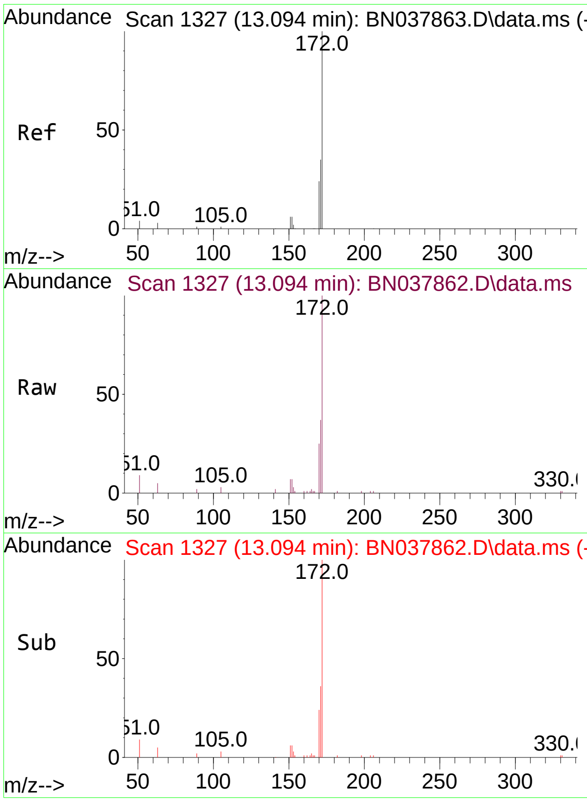
#14
2,4,6-Tribromophenol
Concen: 0.176 ng
RT: 15.969 min Scan# 1590
Delta R.T. 0.000 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

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



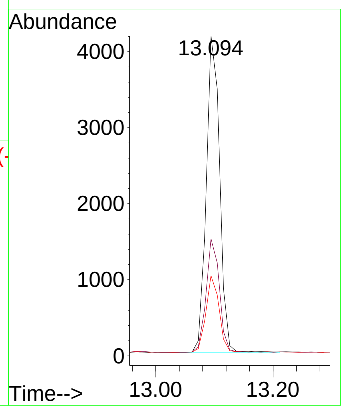
Instrument : BNA_N
ClientSampleId : SSTDICC0.2

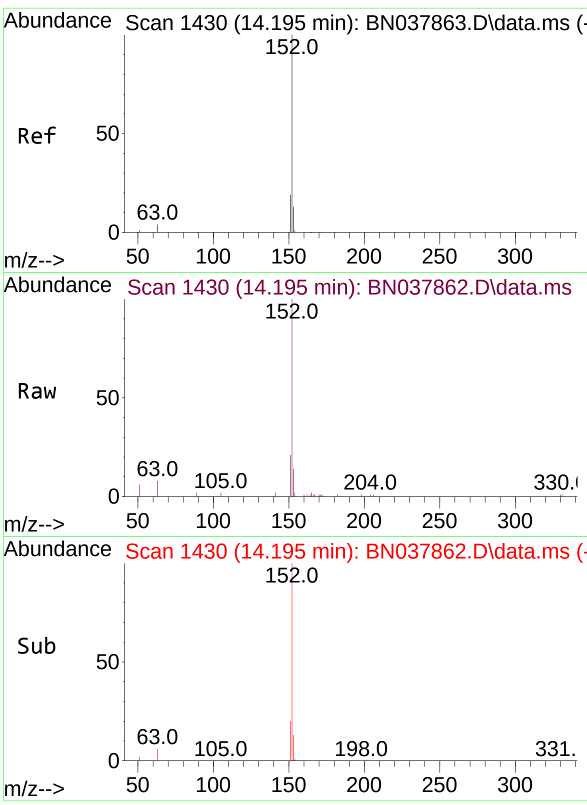


#15
2-Fluorobiphenyl
Concen: 0.199 ng
RT: 13.094 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

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

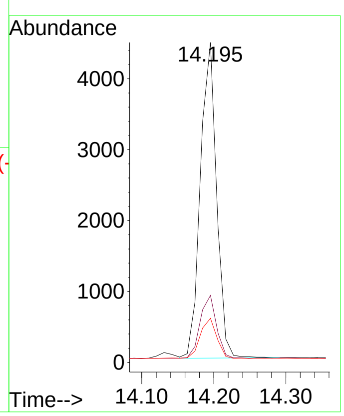




#16
Acenaphthylene
Concen: 0.190 ng
RT: 14.195 min Scan# 1430
Delta R.T. 0.000 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

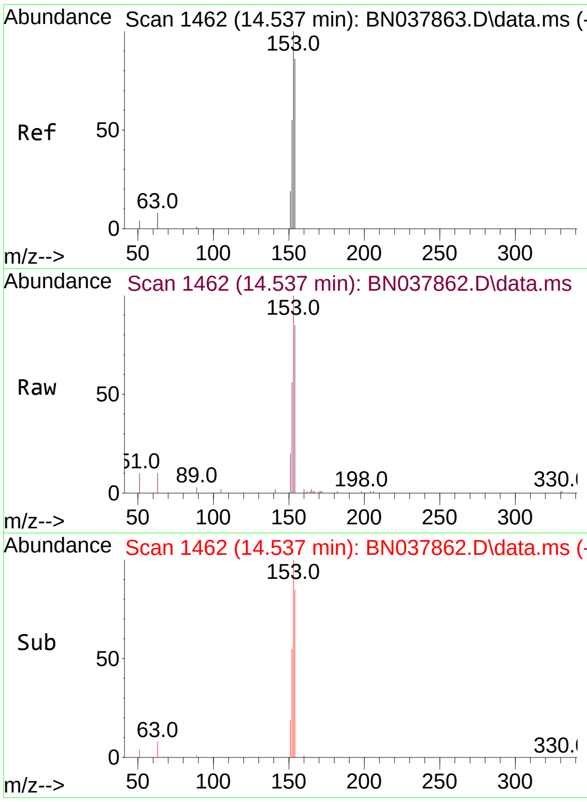
Tgt Ion:152 Resp: 6943

Ion	Ratio	Lower	Upper
152	100		
151	20.4	15.8	23.8
153	13.1	10.5	15.7



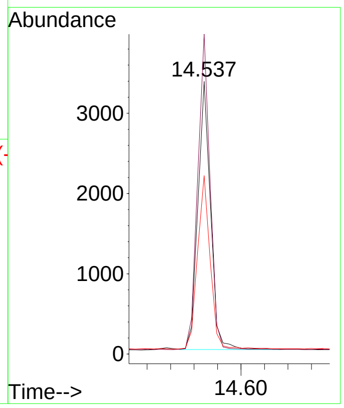
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

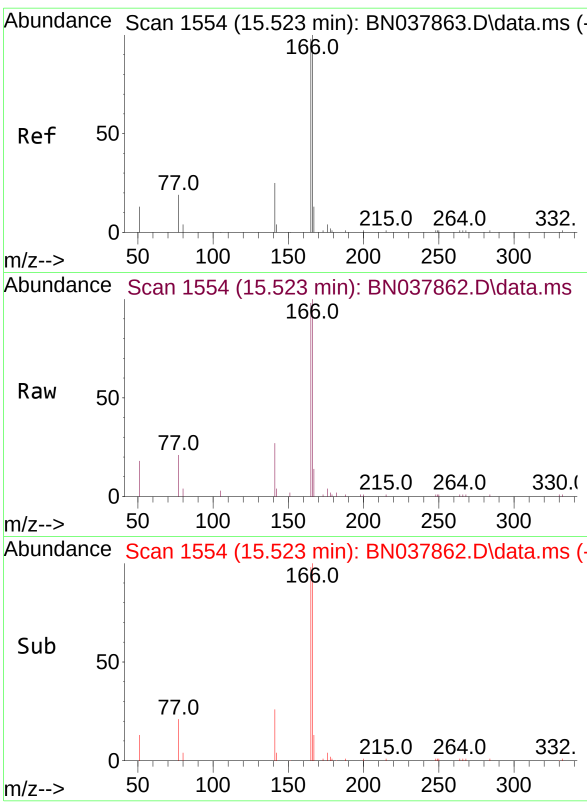
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2




```
#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

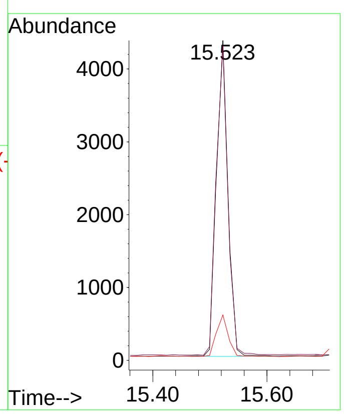
Tgt Ion:154 Resp:    4963
Ion  Ratio  Lower  Upper
154  100
153  115.4   90.5  135.7
152   65.5   51.8   77.8
```



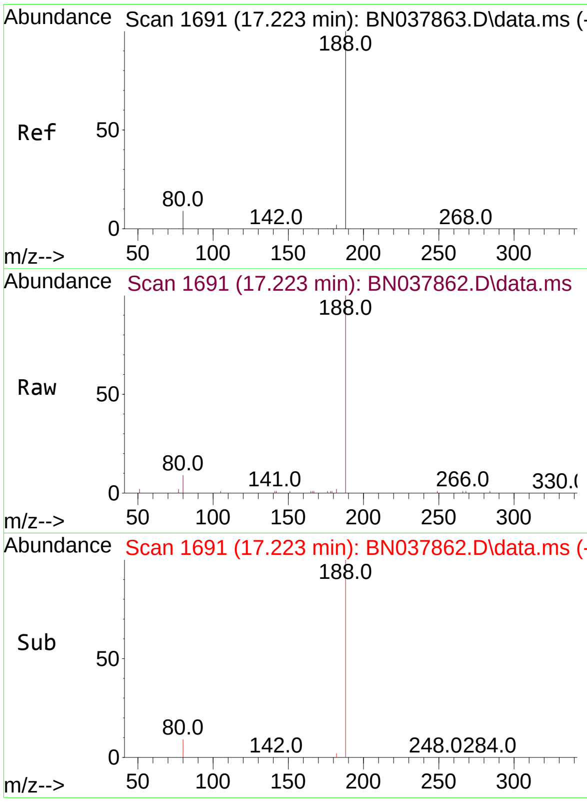



```
#18
Fluorene
Concen:    0.186 ng
RT:  15.523 min  Scan# 1554
Delta R.T.  0.000 min
Lab File:   BN037862.D
Acq: 23 Sep 2025  12:49

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
```

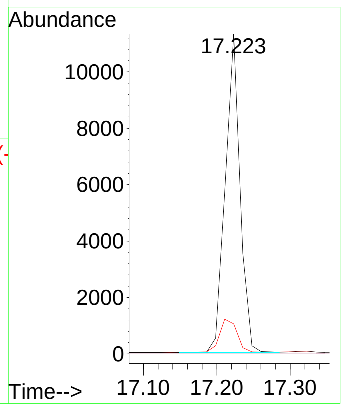


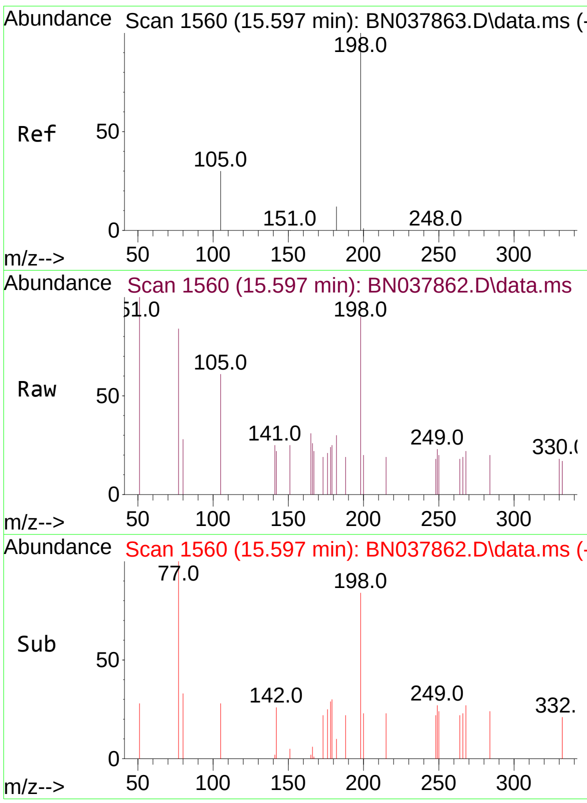
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.223 min Scan# 16
Delta R.T. 0.000 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

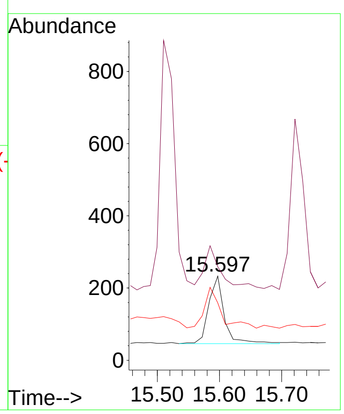
Tgt Ion:188	Resp:		15912
Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.4	7.6	11.4



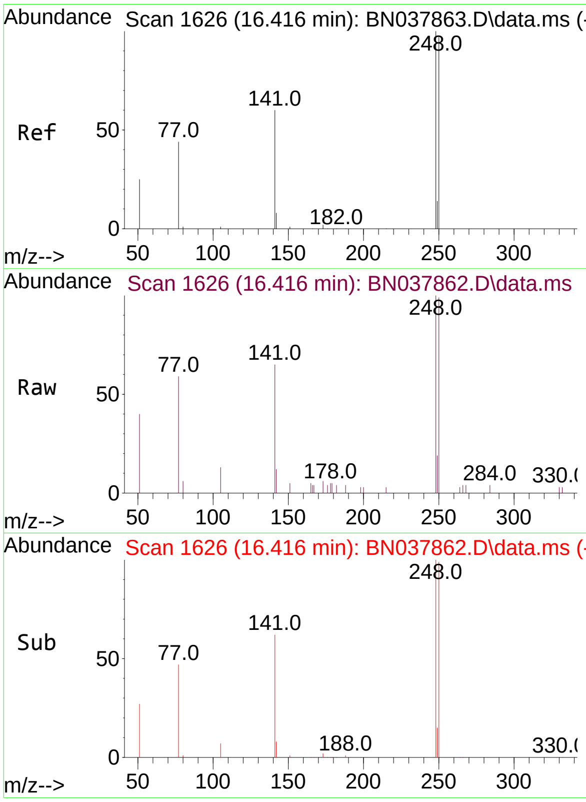


#20
4,6-Dinitro-2-methylphenol
Concen: 0.230 ng
RT: 15.597 min Scan# 1560
Delta R.T. 0.000 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

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#



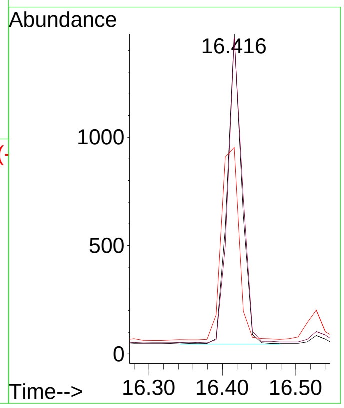
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

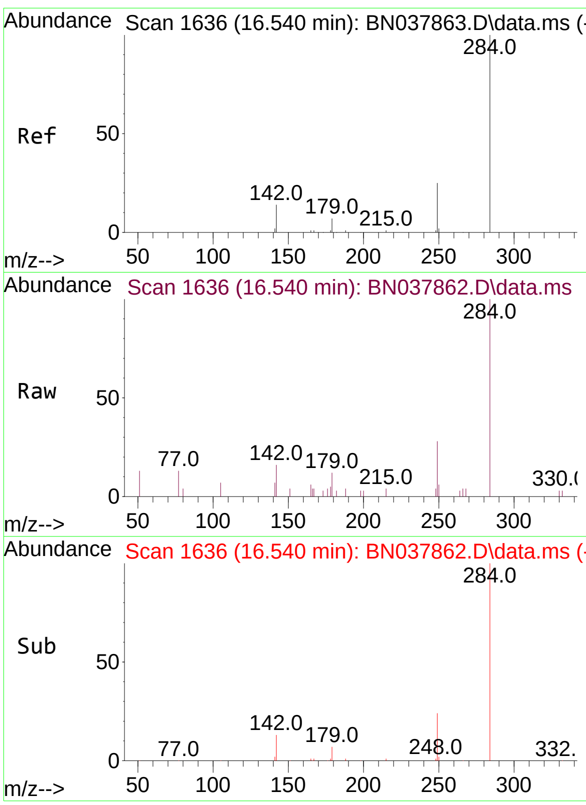


#21
4-Bromophenyl-phenylether
Concen: 0.190 ng
RT: 16.416 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

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

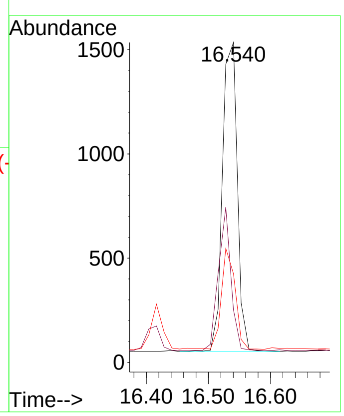




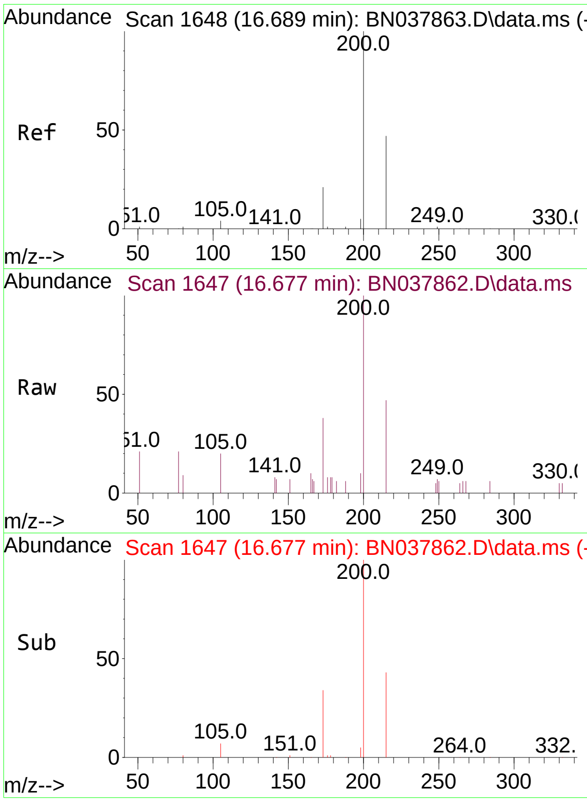
#22
Hexachlorobenzene
Concen: 0.198 ng
RT: 16.540 min Scan# 1636
Delta R.T. 0.000 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

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



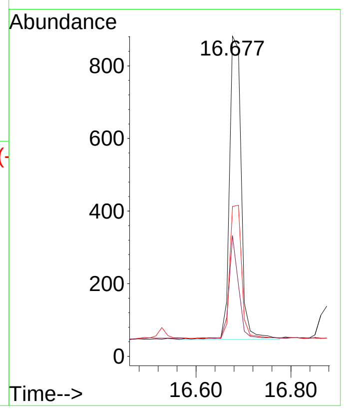
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

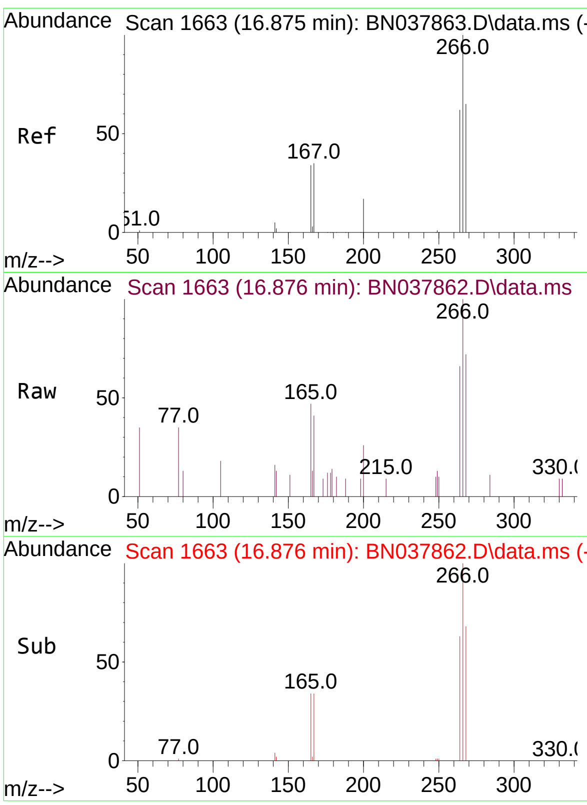


#23
Atrazine
Concen: 0.183 ng
RT: 16.677 min Scan# 16
Delta R.T. -0.012 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

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

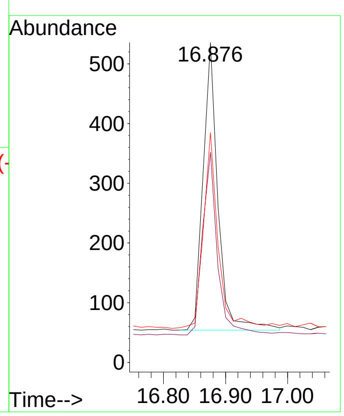


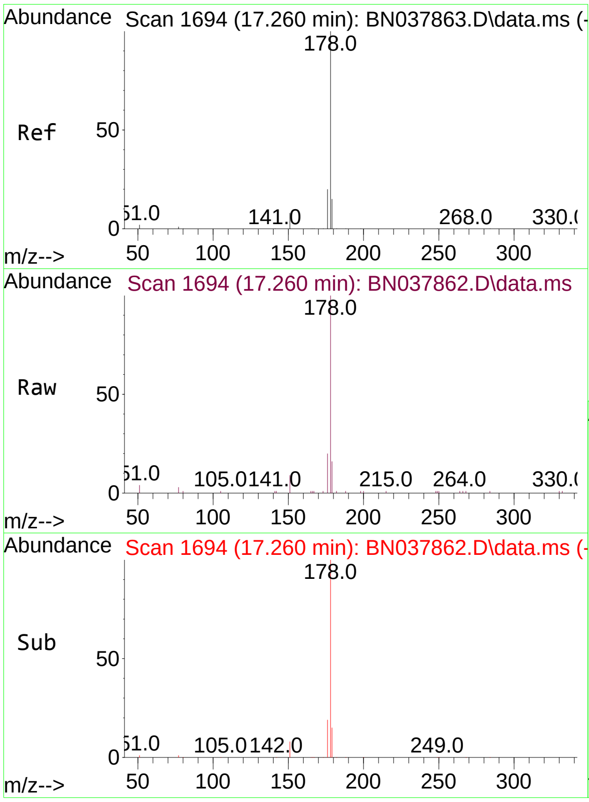


#24
Pentachlorophenol
Concen: 0.186 ng
RT: 16.876 min Scan# 1663
Delta R.T. 0.001 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

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



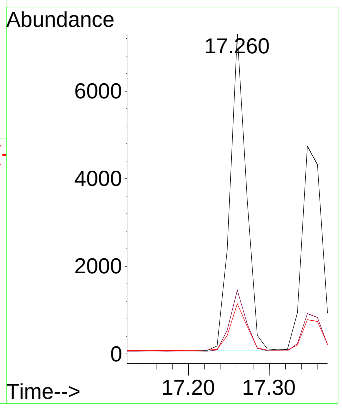


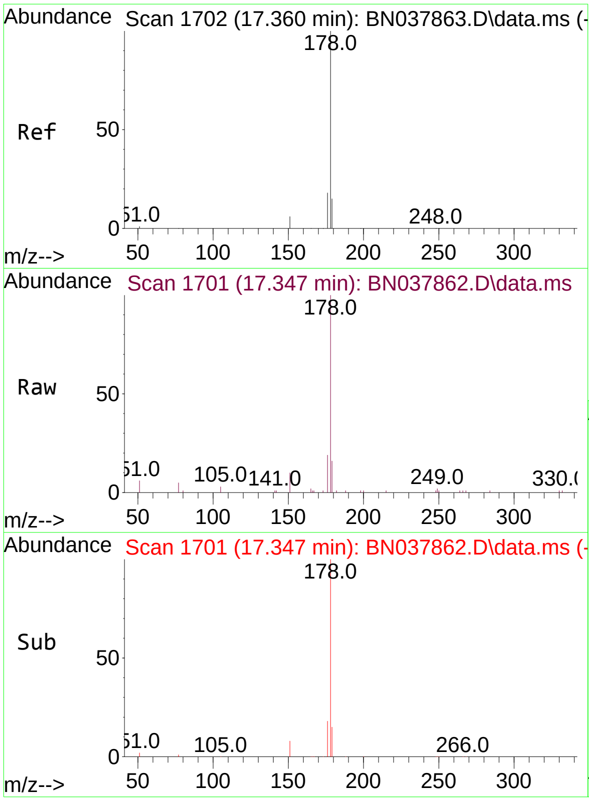
#25
Phenanthrene
Concen: 0.193 ng
RT: 17.260 min Scan# 16
Delta R.T. 0.000 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

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

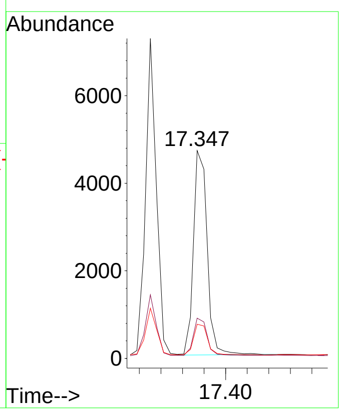




#26
Anthracene
Concen: 0.181 ng
RT: 17.347 min Scan# 1701
Delta R.T. -0.012 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

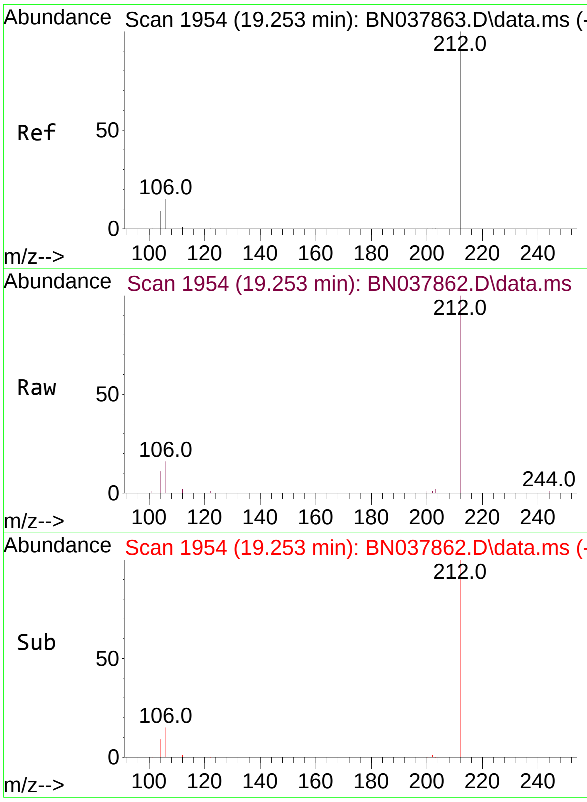
Tgt Ion:178 Resp: 8235

Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.0	22.4
179	15.7	12.3	18.5



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

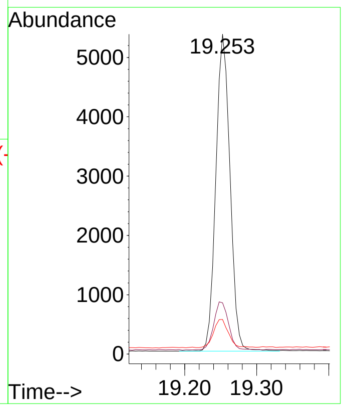
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

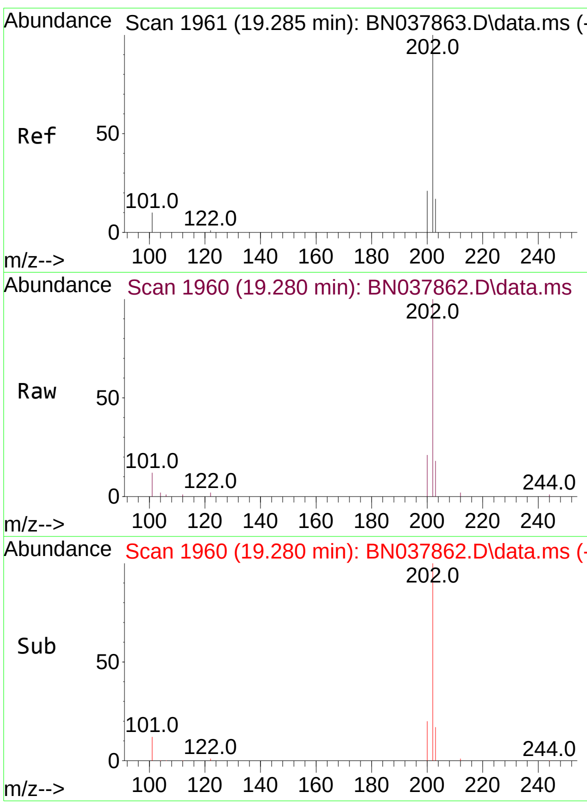


#27
Fluoranthene-d10
Concen: 0.182 ng
RT: 19.253 min Scan# 19
Delta R.T. 0.000 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

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

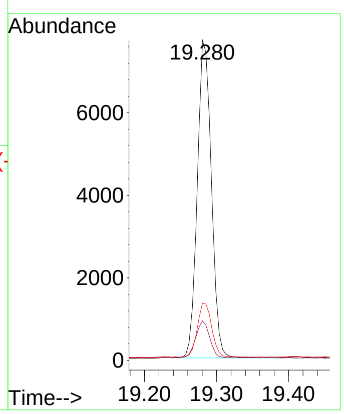




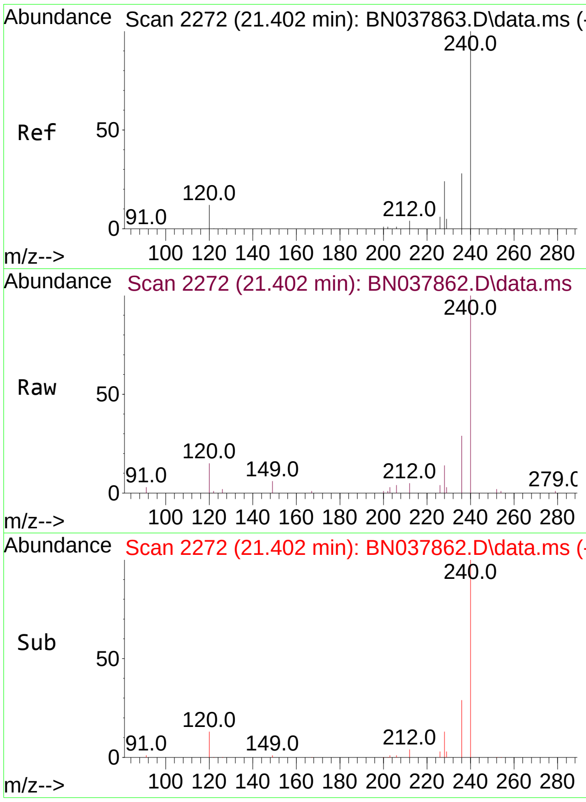
#28
Fluoranthene
Concen: 0.181 ng
RT: 19.280 min Scan# 1960
Delta R.T. -0.005 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

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



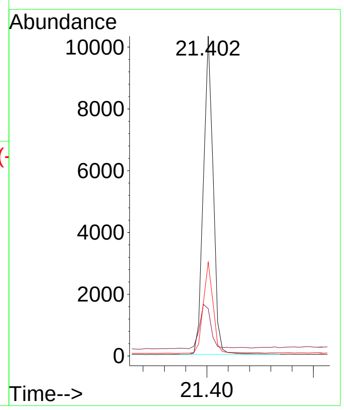
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

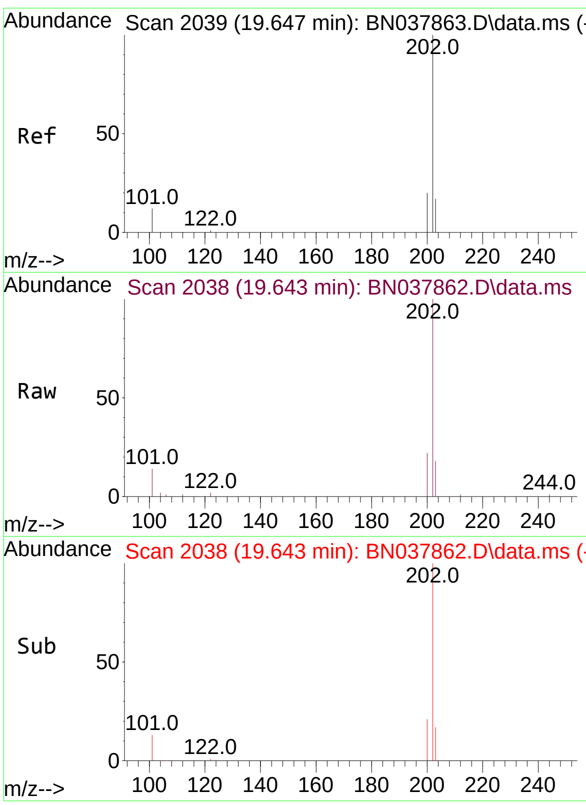


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.402 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

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

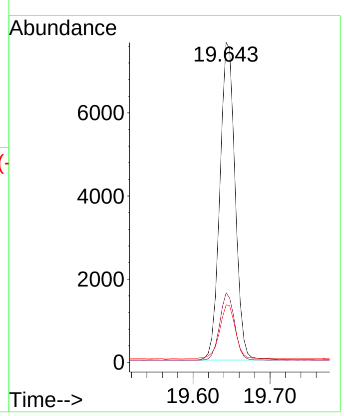




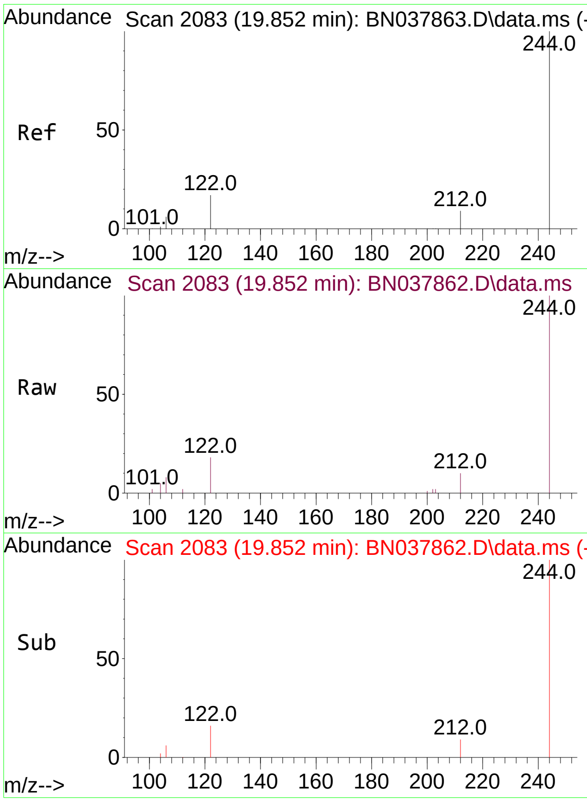
#30
Pyrene
Concen: 0.203 ng
RT: 19.643 min Scan# 2038
Delta R.T. -0.005 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

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



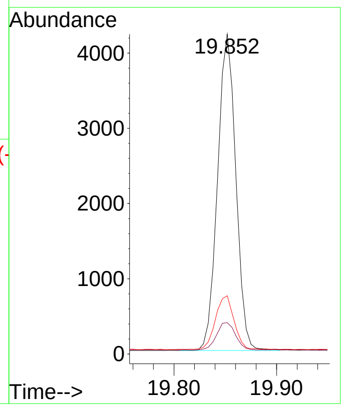
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

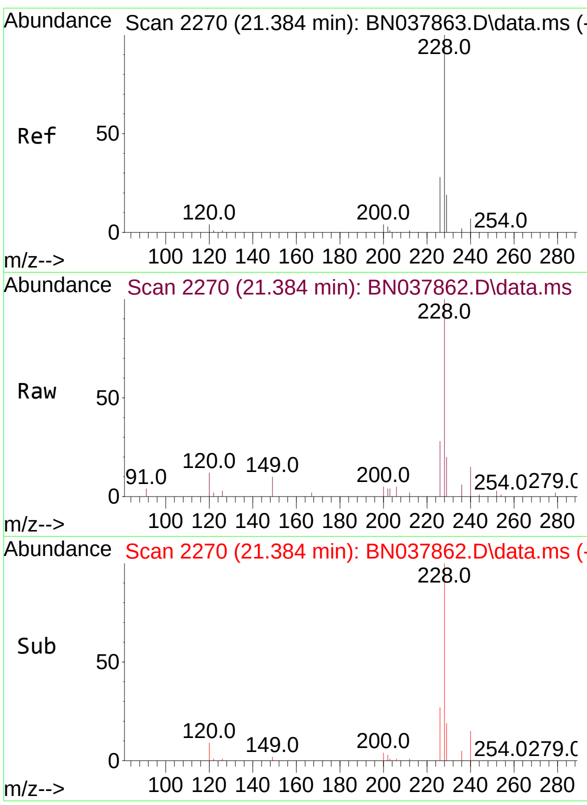


#31
Terphenyl-d14
Concen: 0.198 ng
RT: 19.852 min Scan# 20
Delta R.T. 0.000 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

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

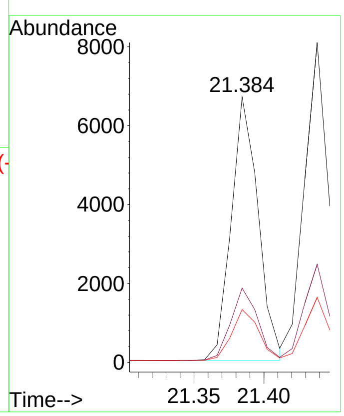




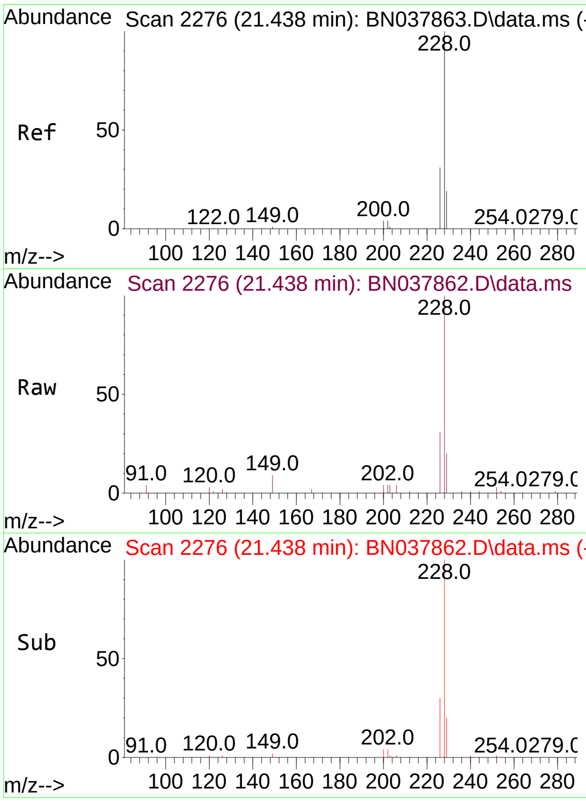
#32
Benzo(a)anthracene
Concen: 0.194 ng
RT: 21.384 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

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



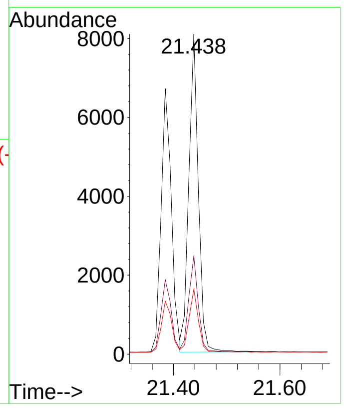
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

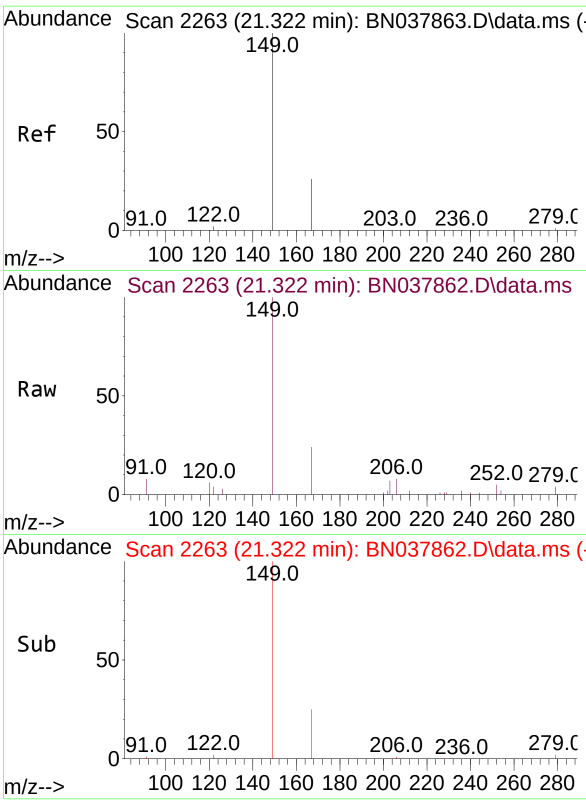


#33
Chrysene
Concen: 0.202 ng
RT: 21.438 min Scan# 2276
Delta R.T. 0.000 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

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

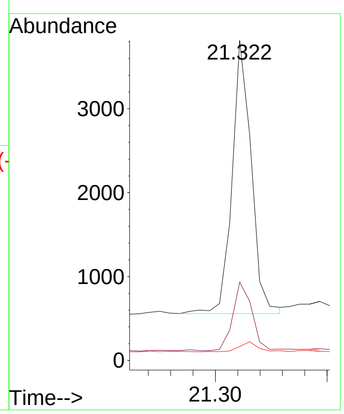




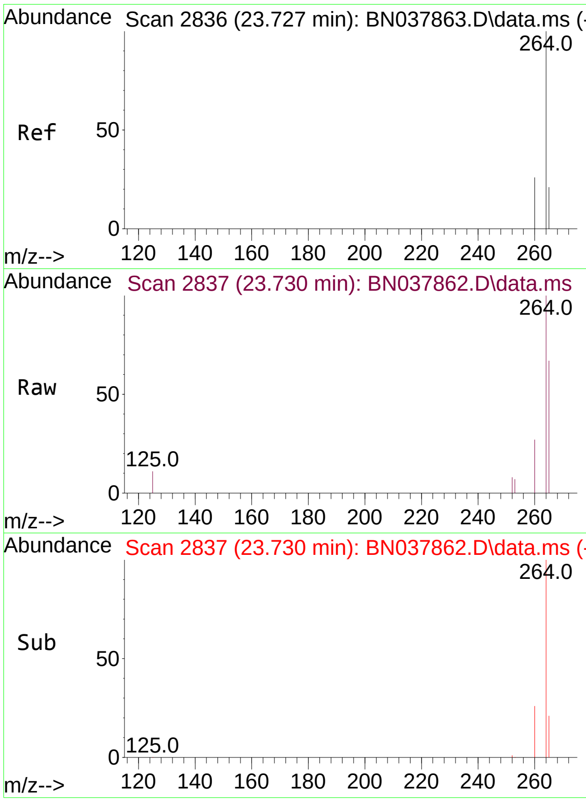
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.214 ng
RT: 21.322 min Scan# 2263
Delta R.T. 0.000 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

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#



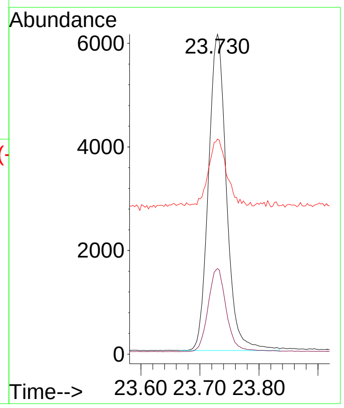
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

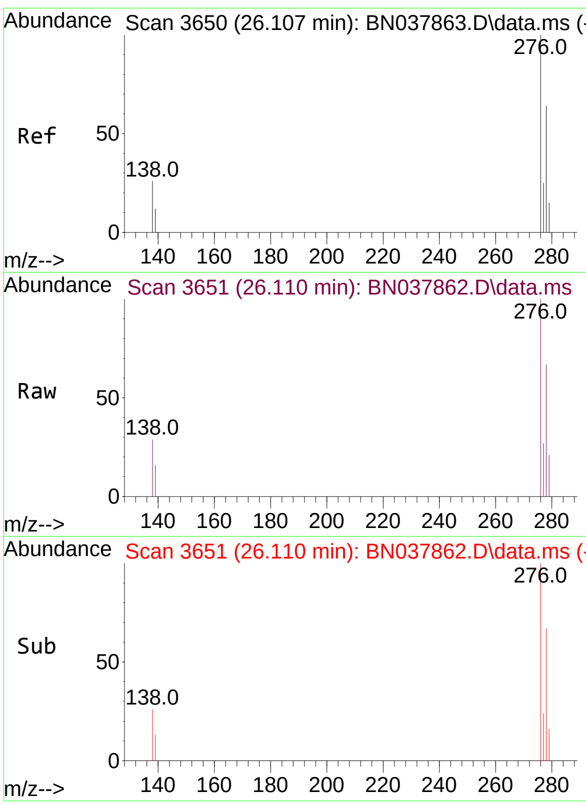


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.730 min Scan# 28
Delta R.T. 0.003 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

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

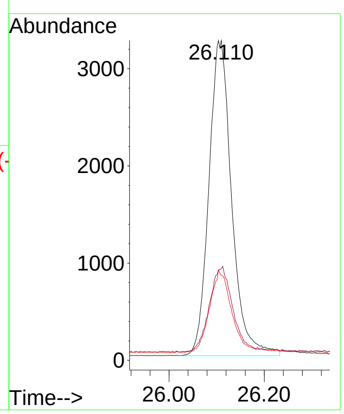




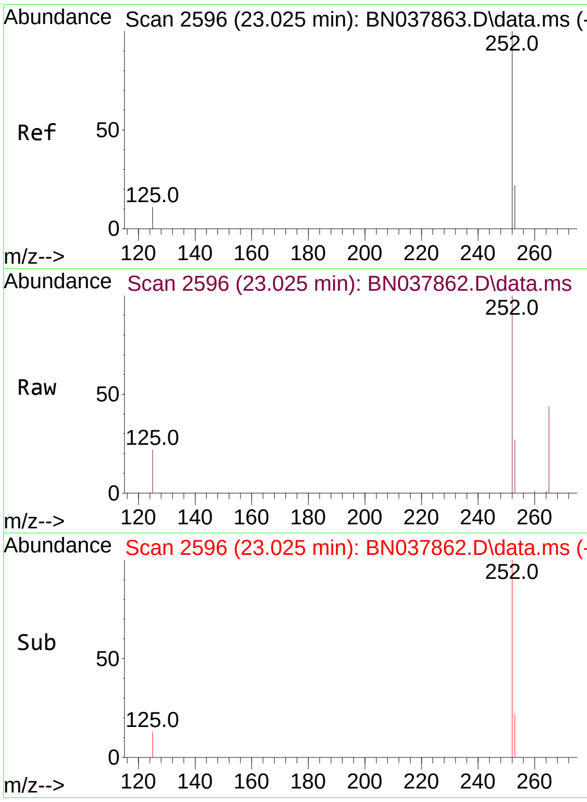
#36
Indeno(1,2,3-cd)pyrene
Concen: 0.183 ng
RT: 26.110 min Scan# 3651
Delta R.T. 0.003 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

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



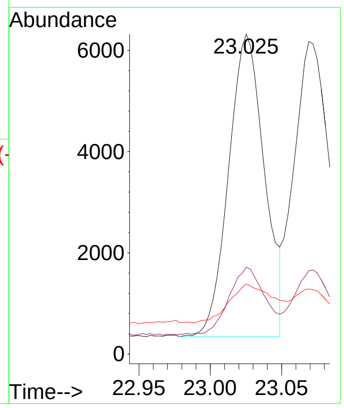
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

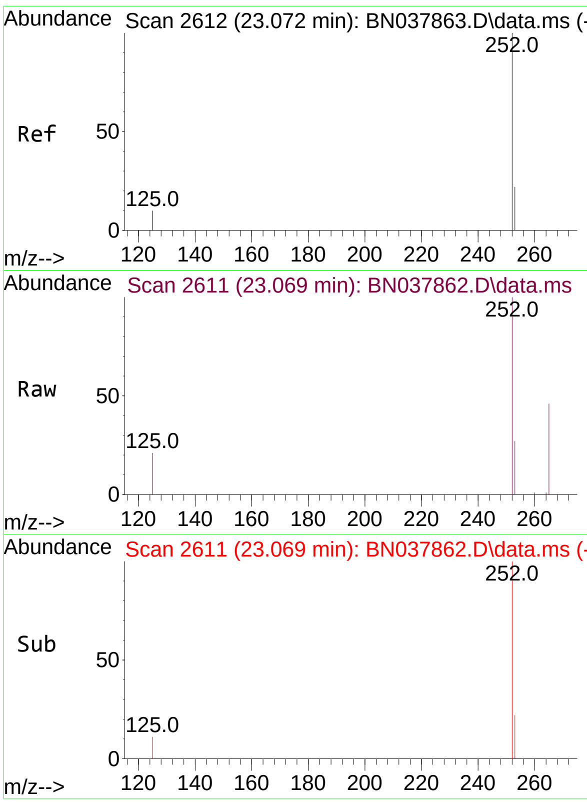


#37
Benzo(b)fluoranthene
Concen: 0.186 ng
RT: 23.025 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

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#

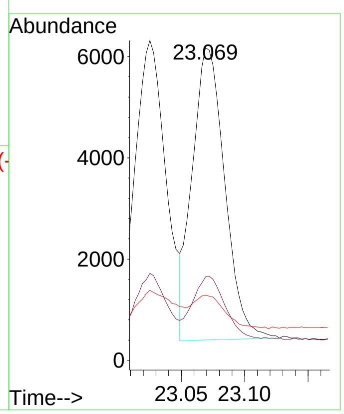




#38
Benzo(k)fluoranthene
Concen: 0.183 ng
RT: 23.069 min Scan# 2611
Delta R.T. -0.003 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

Tgt Ion:252 Resp: 10290

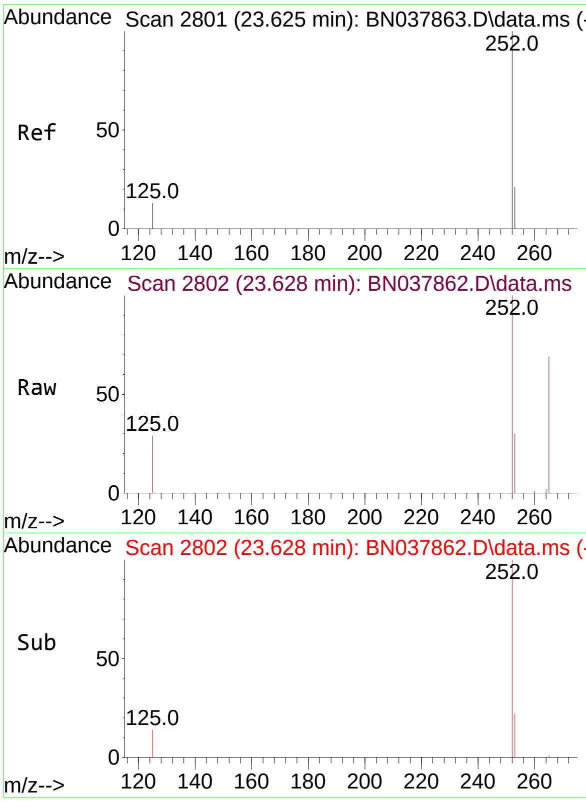
Ion	Ratio	Lower	Upper
252	100		
253	26.7	19.5	29.3
125	20.9	13.0	19.4#



ICAL Form

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

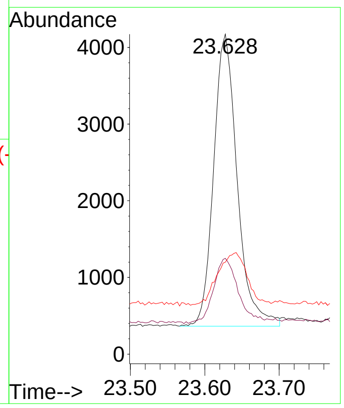
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

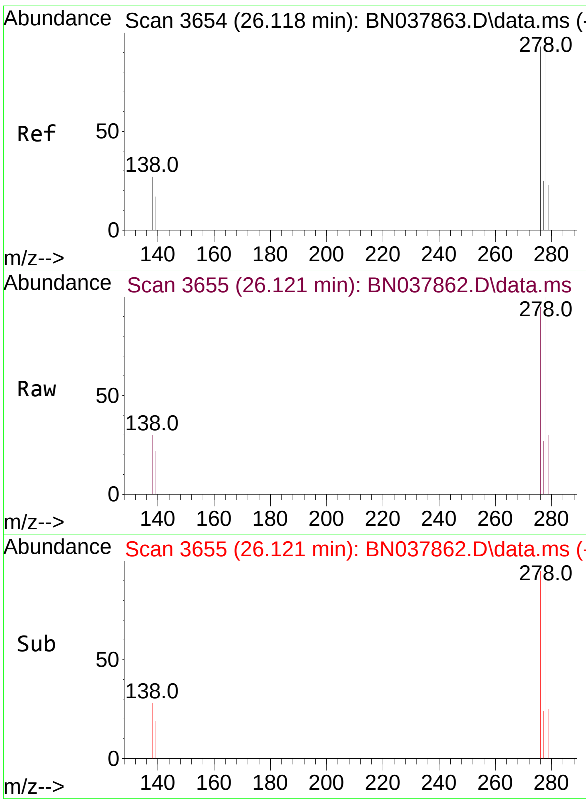


#39
Benzo(a)pyrene
Concen: 0.190 ng
RT: 23.628 min Scan# 28
Delta R.T. 0.003 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

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#

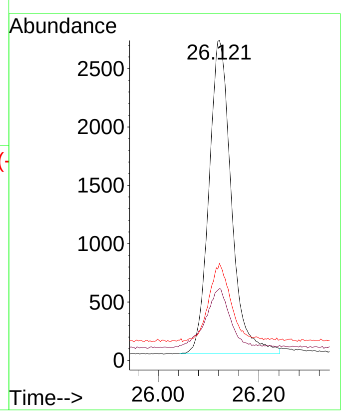


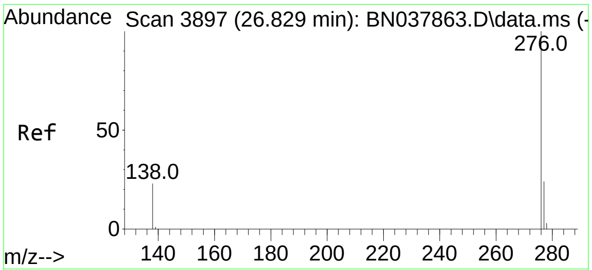


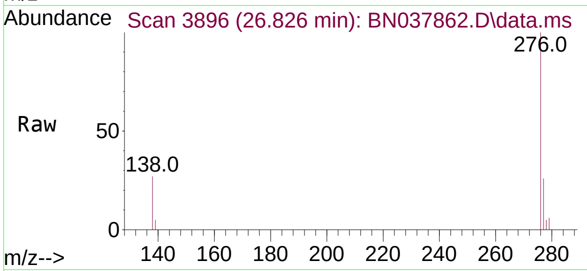
#40
Dibenzo(a,h)anthracene
Concen: 0.180 ng
RT: 26.121 min Scan# 3655
Delta R.T. 0.003 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

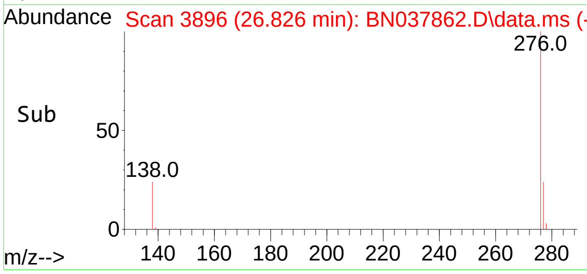
Tgt Ion:278 Resp: 8321

Ion	Ratio	Lower	Upper
278	100		
139	22.4	15.4	23.2
279	30.3	20.8	31.2







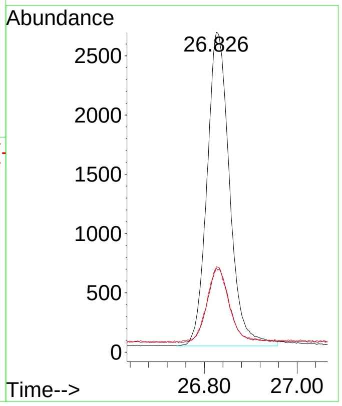


#41
Benzo(g,h,i)perylene
Concen: 0.184 ng
RT: 26.826 min Scan# 38
Delta R.T. -0.003 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

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



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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

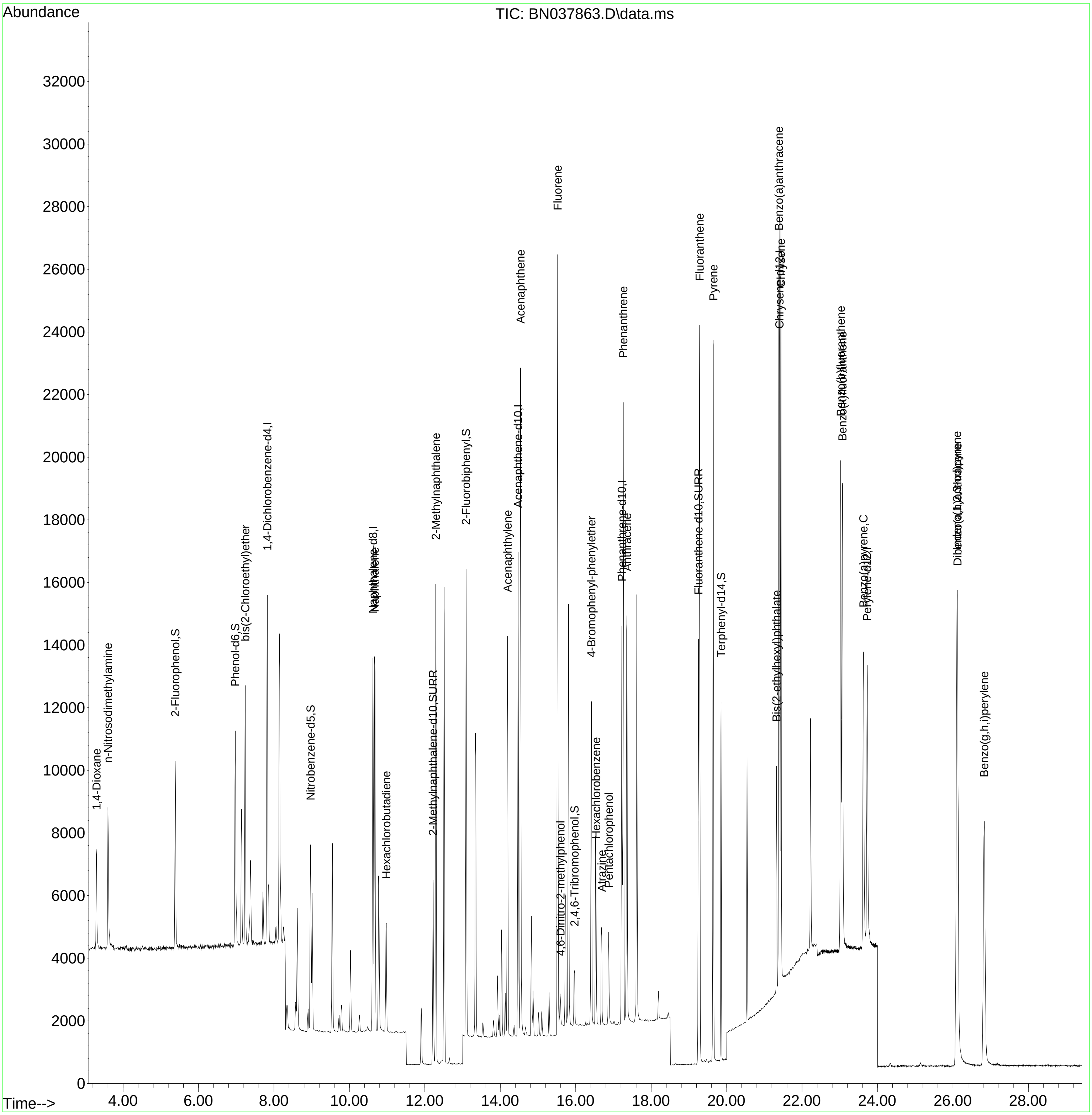
(#) = qualifier out of range (m) = manual integration (+) = signals summed

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

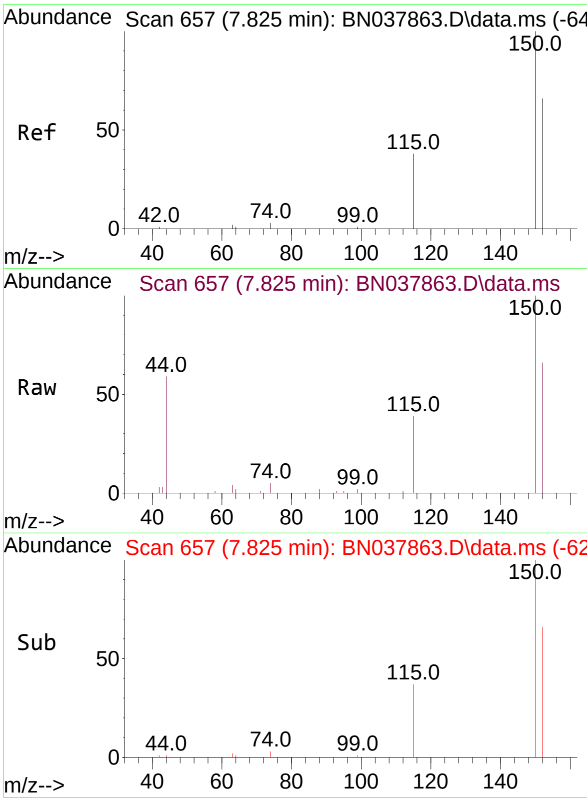
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092325\
Data File : BN037863.D
Acq On : 23 Sep 2025 13:25
Operator : RC/JU
Sample : SSTDICCC0.4
Misc :
ALS Vial : 4 Sample Multiplier: 1

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



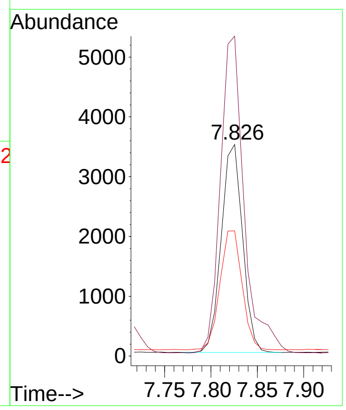
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

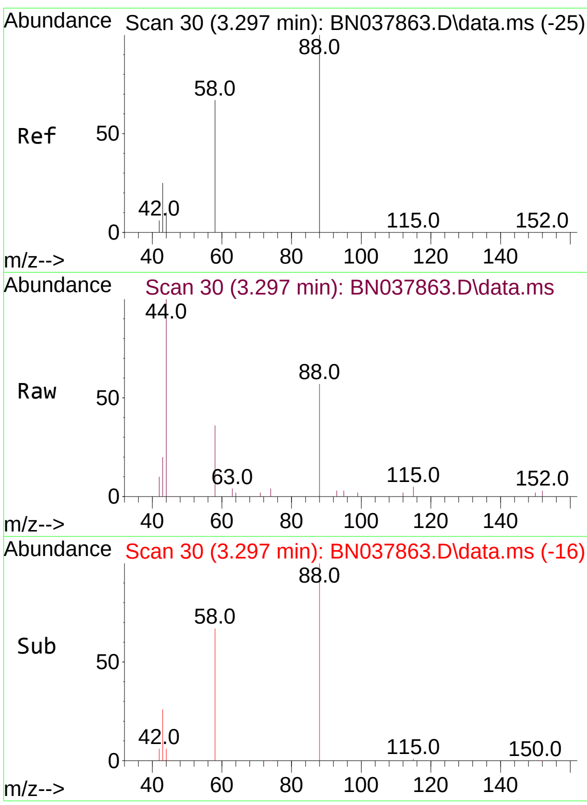


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.825 min Scan# 65
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

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

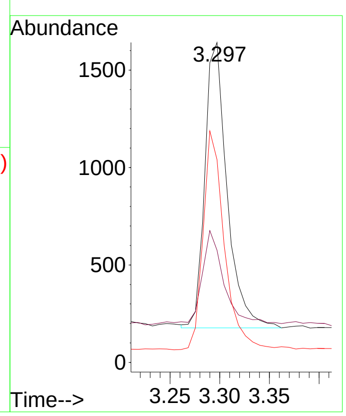




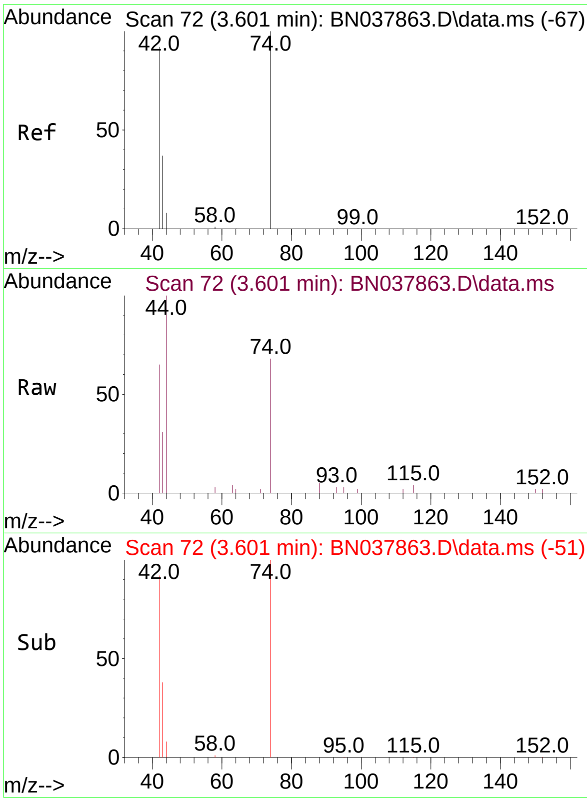
#2
1,4-Dioxane
Concen: 0.404 ng
RT: 3.297 min Scan# 30
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

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



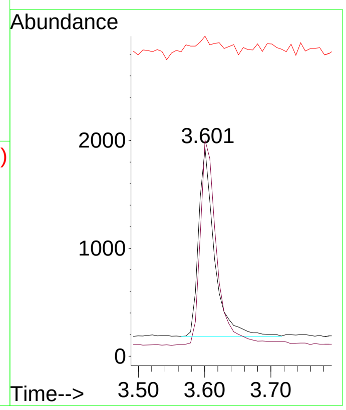
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

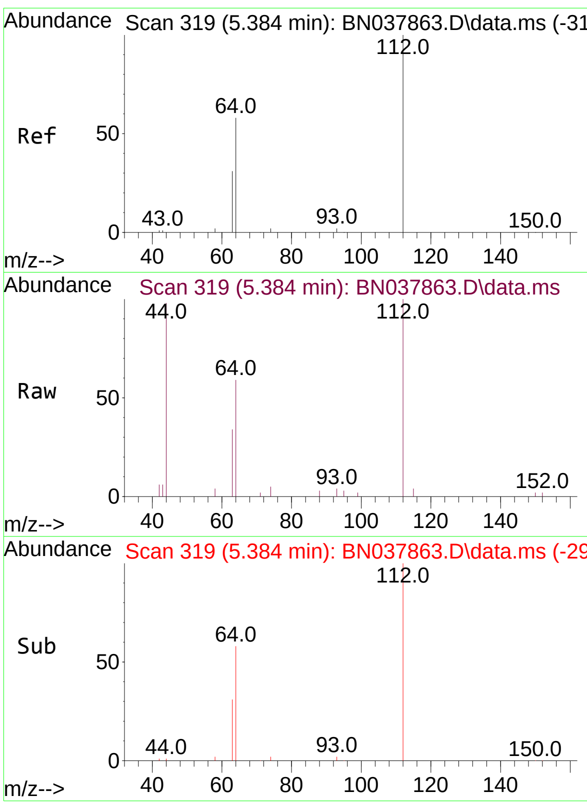


#3
n-Nitrosodimethylamine
Concen: 0.383 ng
RT: 3.601 min   Scan# 7
Delta R.T.   0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025   13:25

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

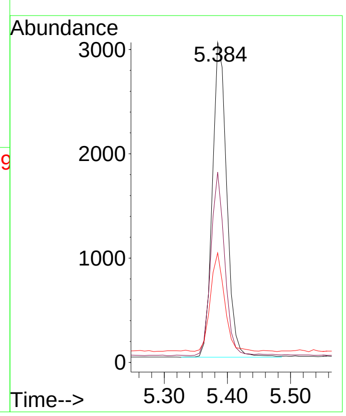




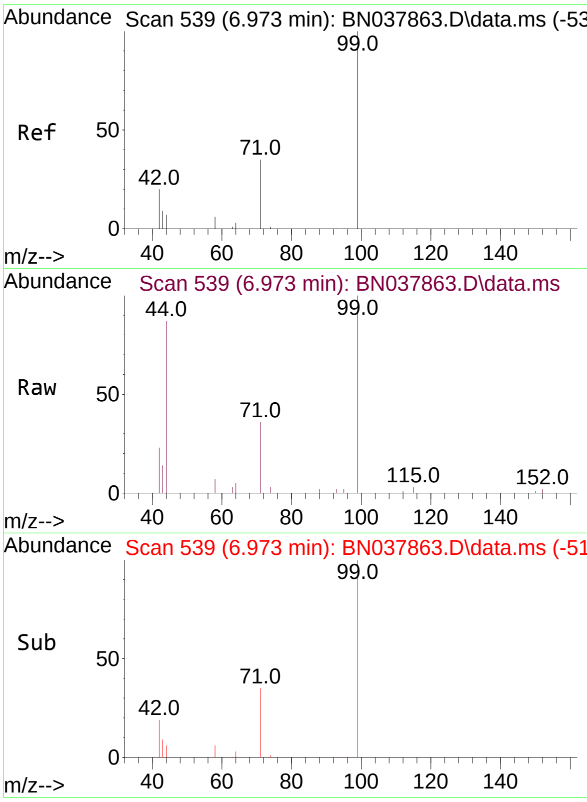
#4
2-Fluorophenol
Concen: 0.375 ng
RT: 5.384 min   Scan# 319
Delta R.T.   0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025   13:25

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



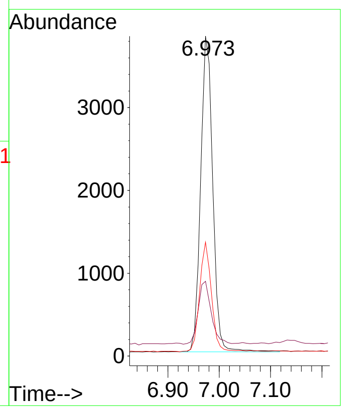
Instrument : BNA_N
ClientSampleId : SSTDICCC0.4

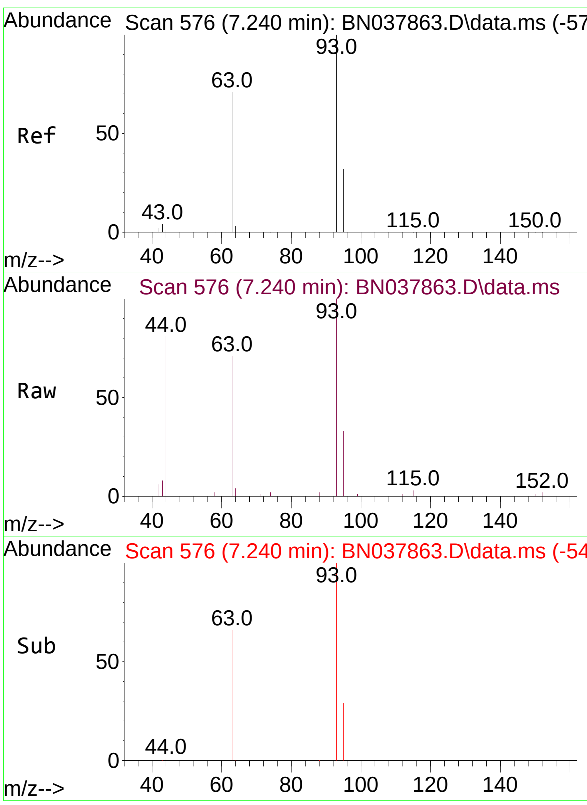


#5
Phenol-d6
Concen: 0.373 ng
RT: 6.973 min Scan# 539
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

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

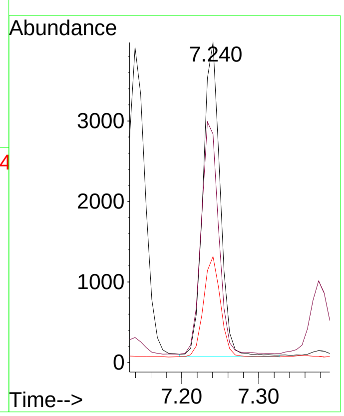




#6
bis(2-Chloroethyl)ether
Concen: 0.389 ng
RT: 7.240 min Scan# 576
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

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



Instrument :
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ClientSampleId :
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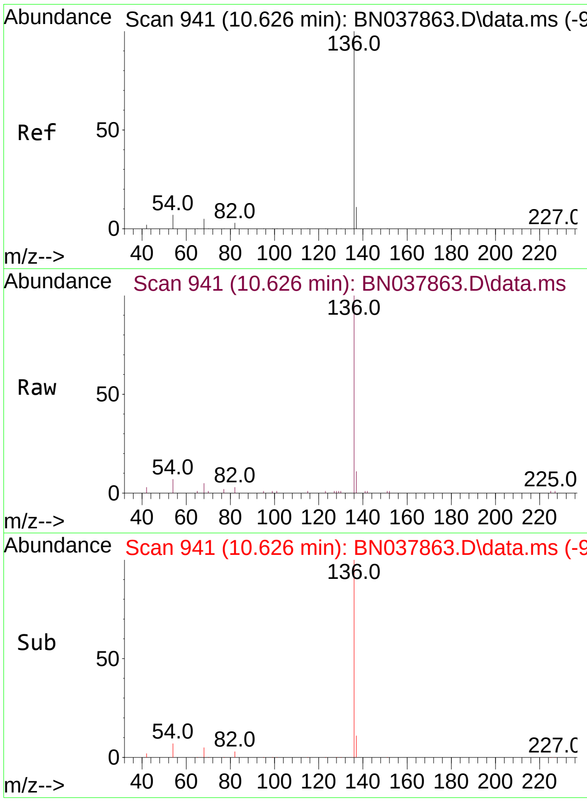
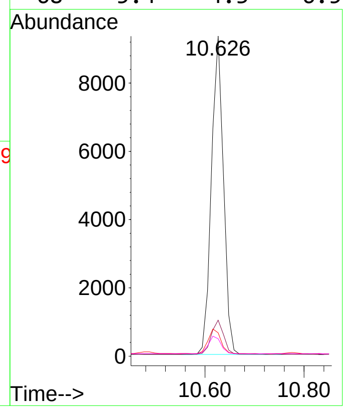
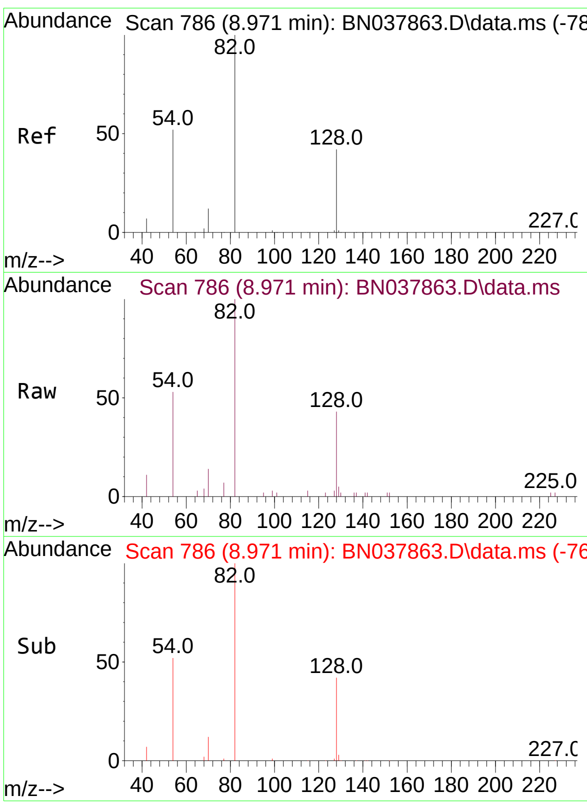



```
#7
Naphthalene-d8
Concen:    0.400 ng
RT:  10.626 min  Scan# 94
Delta R.T.  0.000 min
Lab File:   BN037863.D
Acq: 23 Sep 2025  13:25

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
```



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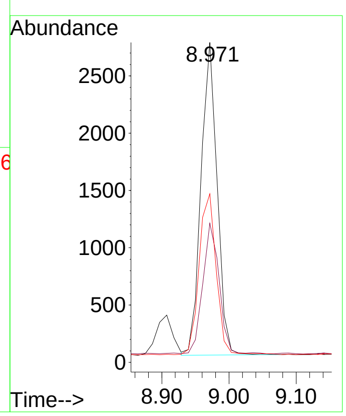
#8
Nitrobenzene-d5
Concen:    0.379 ng
RT:   8.971 min  Scan# 786
Delta R.T.  0.000 min
Lab File:   BN037863.D
Acq: 23 Sep 2025  13:25

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
```



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Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

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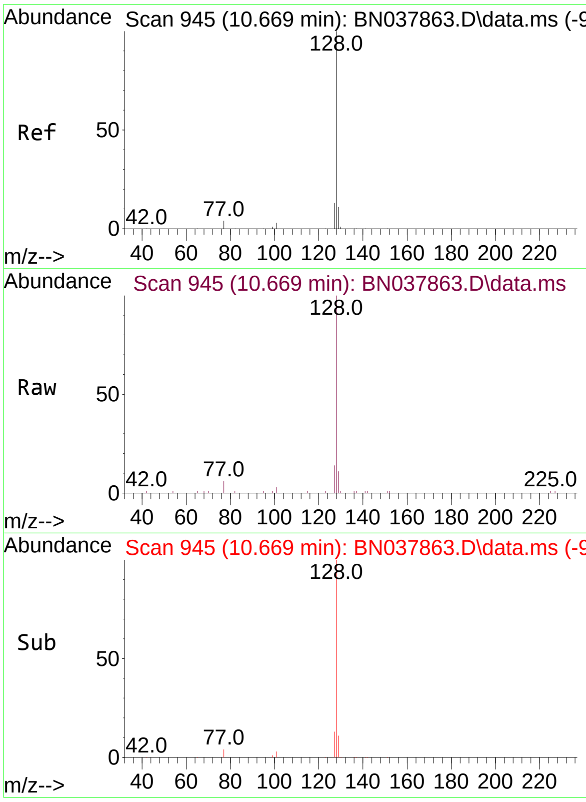
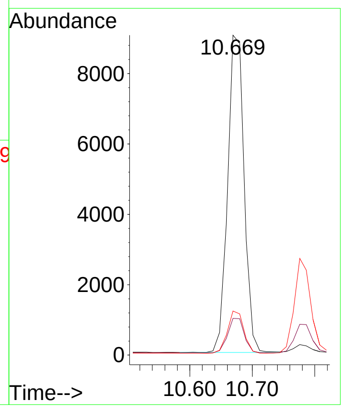
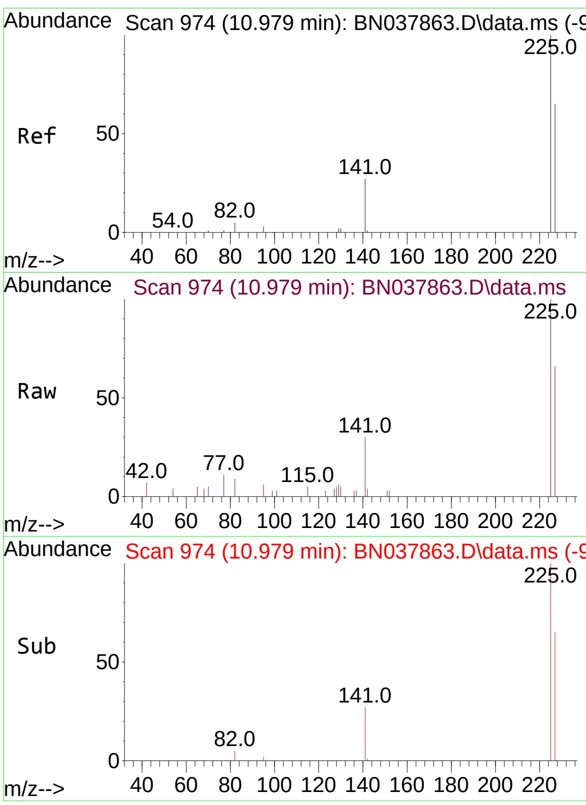


#9
Naphthalene
Concen: 0.380 ng
RT: 10.669 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

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

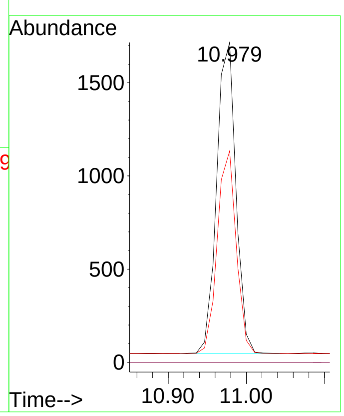




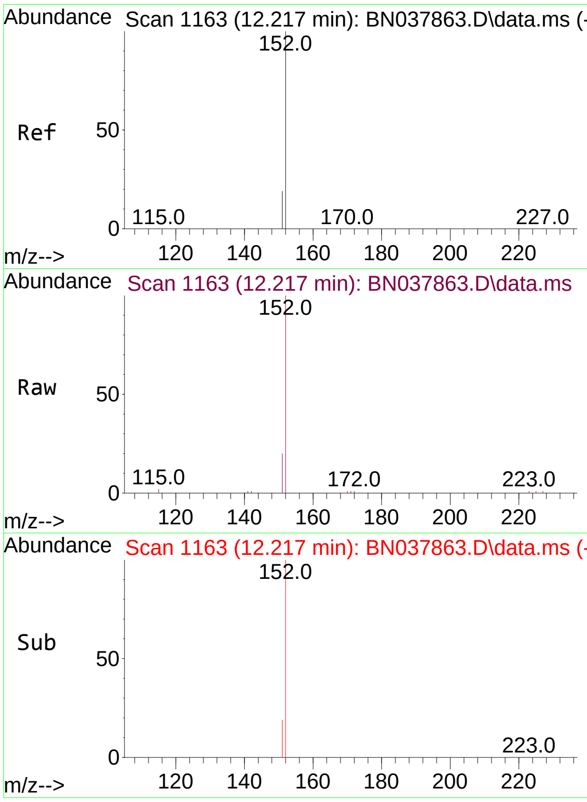
#10
Hexachlorobutadiene
Concen: 0.387 ng
RT: 10.979 min Scan# 974
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

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



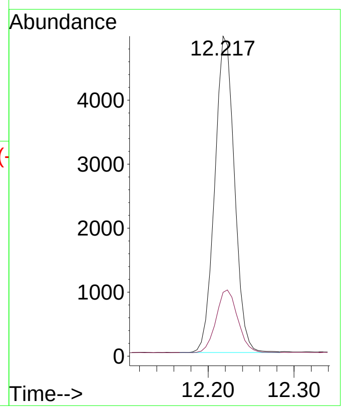
Instrument : BNA_N
ClientSampleId : SSTDICCC0.4

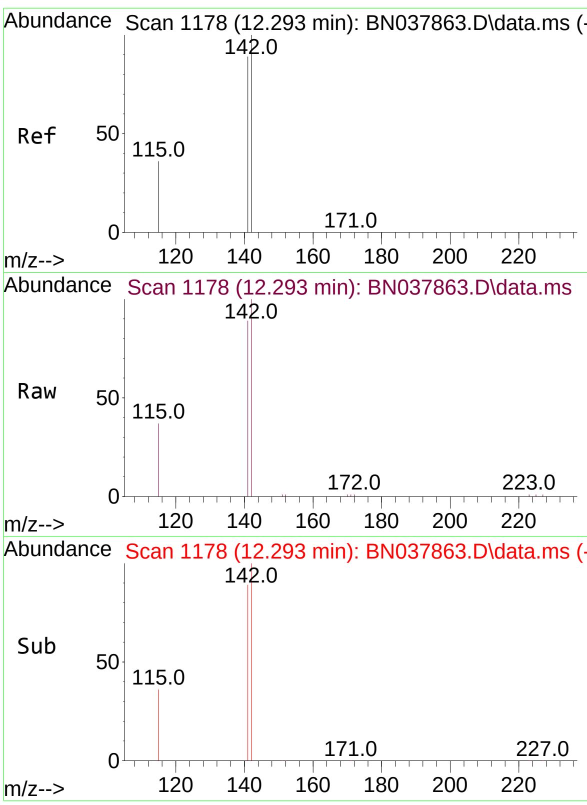


#11
2-Methylnaphthalene-d10
Concen: 0.359 ng
RT: 12.217 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

Tgt Ion:152 Resp: 7877

Ion	Ratio	Lower	Upper
152	100		
151	21.8	17.4	26.2

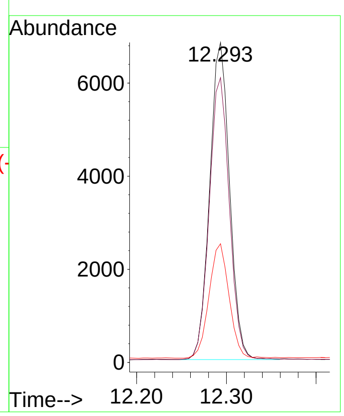




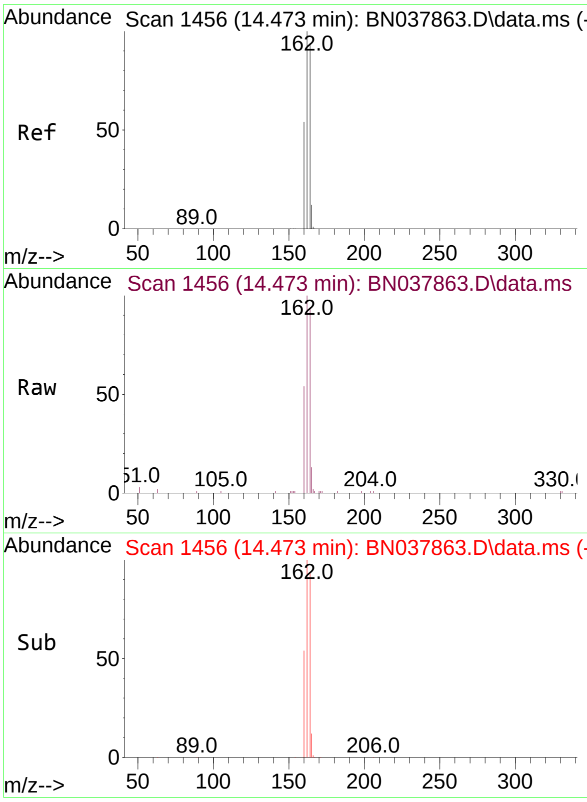
#12
2-Methylnaphthalene
Concen: 0.371 ng
RT: 12.293 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

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

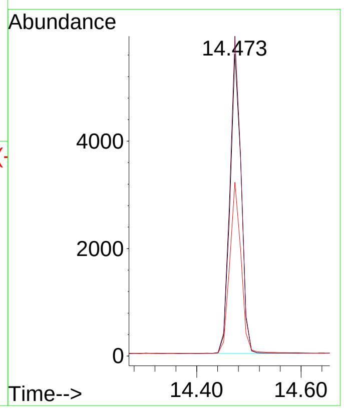


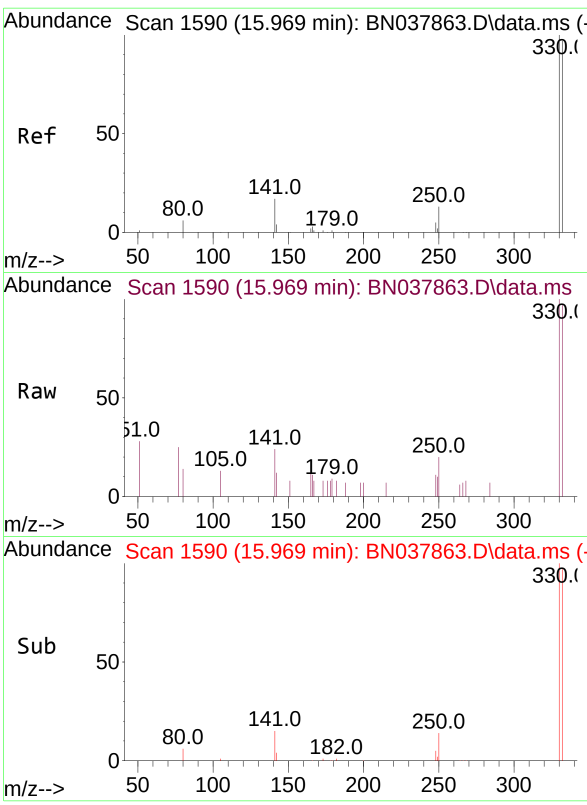
Instrument : BNA_N
ClientSampleId : SSTDICCC0.4




```
#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

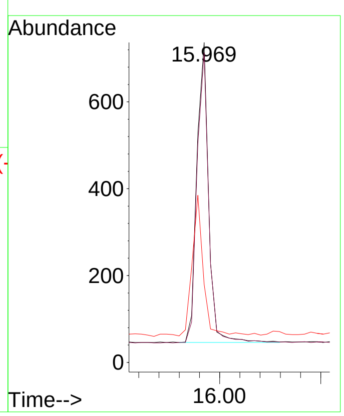
Tgt Ion:164 Resp:    8247
Ion  Ratio  Lower  Upper
164  100
162  106.0   84.8  127.2
160   57.6   46.1   69.1
```



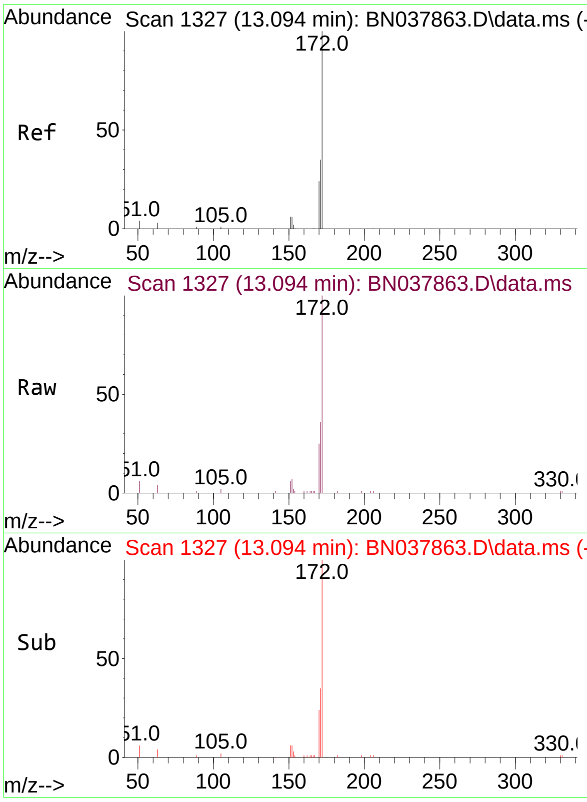



```
#14
2,4,6-Tribromophenol
Concen:    0.336 ng
RT:  15.969 min  Scan# 1590
Delta R.T.  0.000 min
Lab File:   BN037863.D
Acq: 23 Sep 2025  13:25

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
```



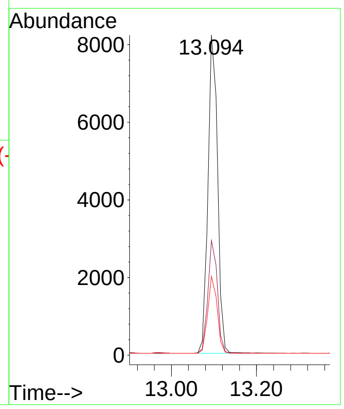
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

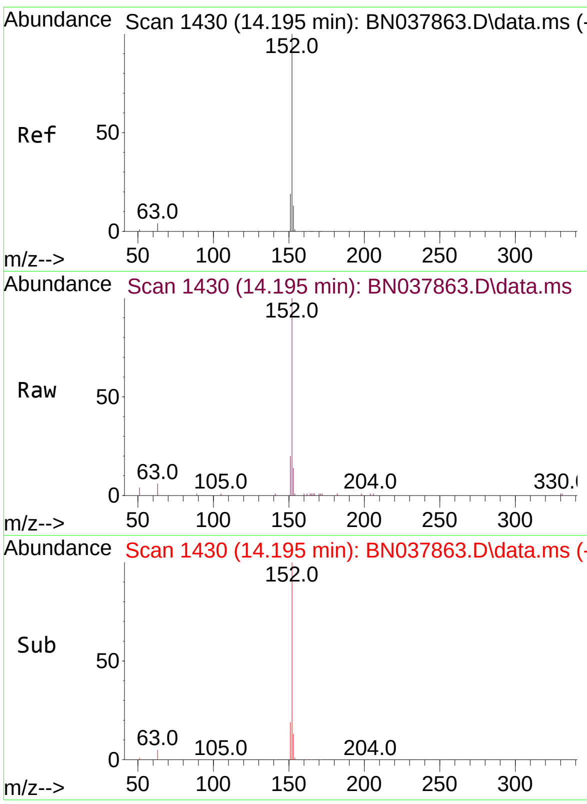


#15
2-Fluorobiphenyl
Concen: 0.381 ng
RT: 13.094 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

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

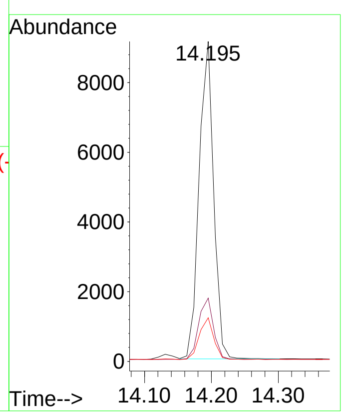




#16
Acenaphthylene
Concen: 0.366 ng
RT: 14.195 min Scan# 1430
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

Tgt Ion:152 Resp: 13712

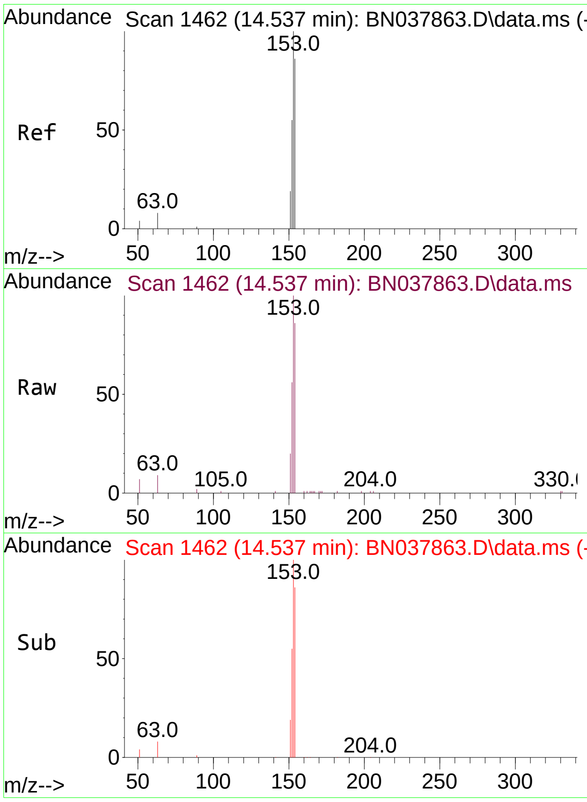
Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.8
153	13.1	10.5	15.7



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

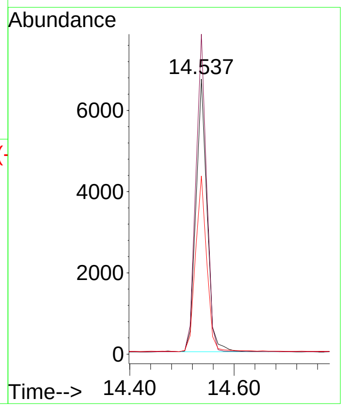
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

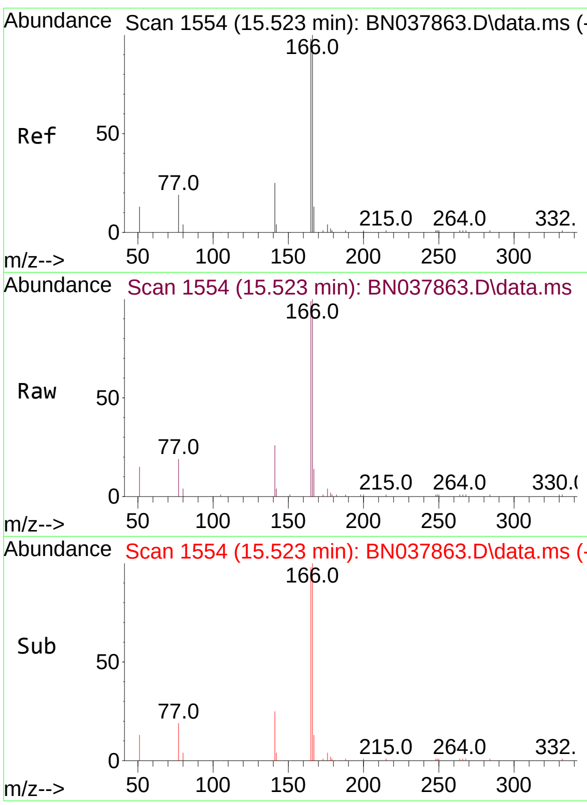


#17
Acenaphthene
Concen: 0.370 ng
RT: 14.537 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

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

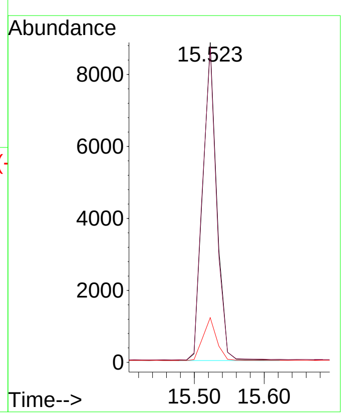




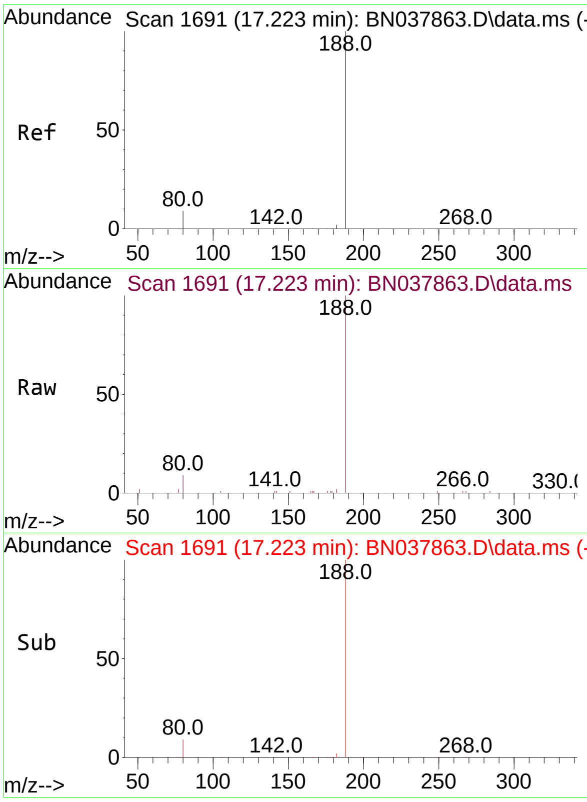
#18
Fluorene
Concen: 0.371 ng
RT: 15.523 min Scan# 1554
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

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



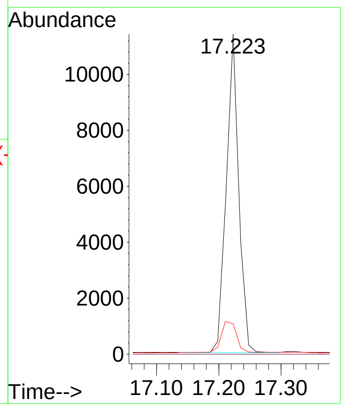
Instrument : BNA_N
ClientSampleId : SSTDICCC0.4

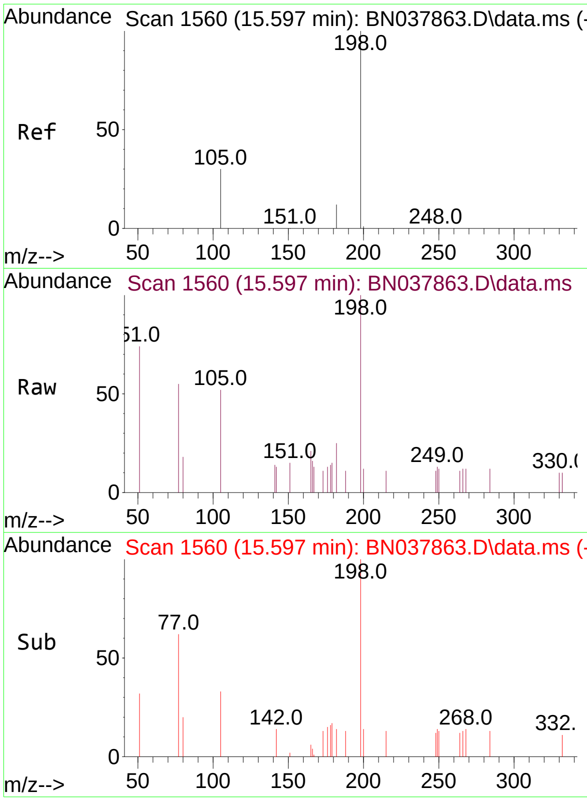


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.223 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

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

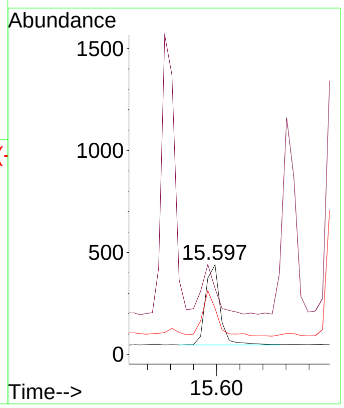




#20
4,6-Dinitro-2-methylphenol
Concen: 0.406 ng
RT: 15.597 min Scan# 1560
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

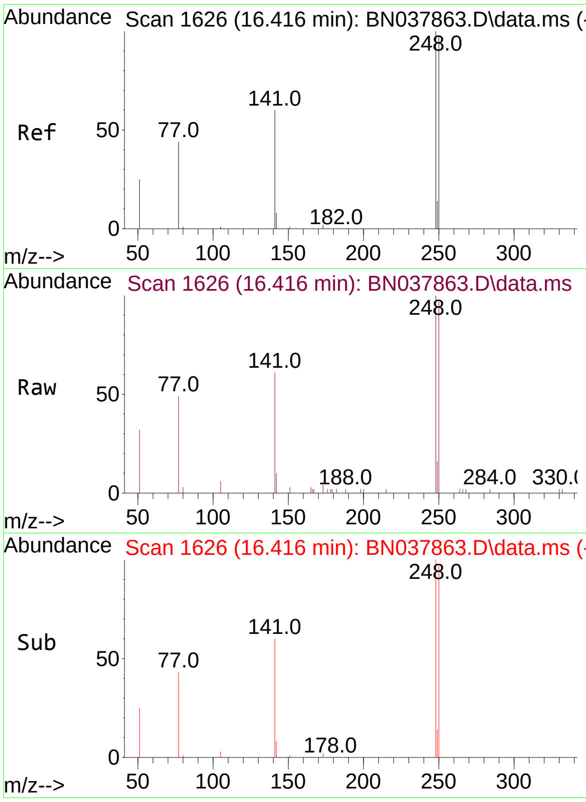
Tgt Ion:198 Resp: 696

Ion	Ratio	Lower	Upper
198	100		
51	73.9	59.1	88.7
105	51.6	41.3	61.9



Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

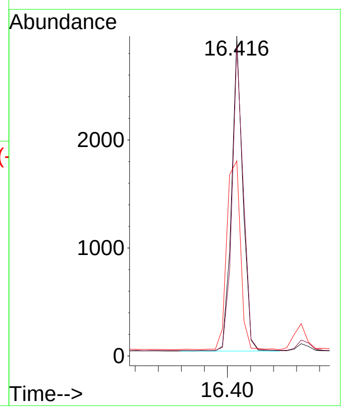
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

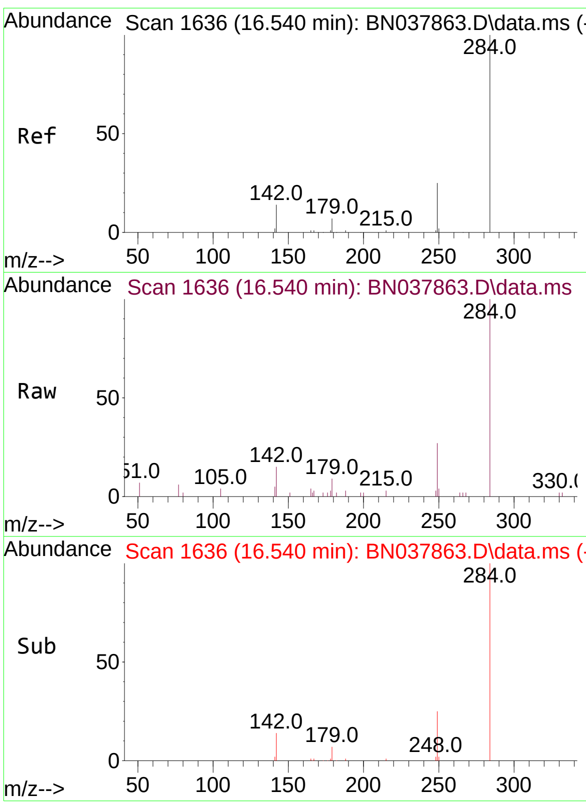


#21
4-Bromophenyl-phenylether
Concen: 0.375 ng
RT: 16.416 min Scan# 1626
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

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

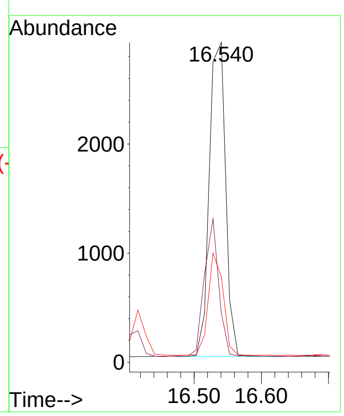




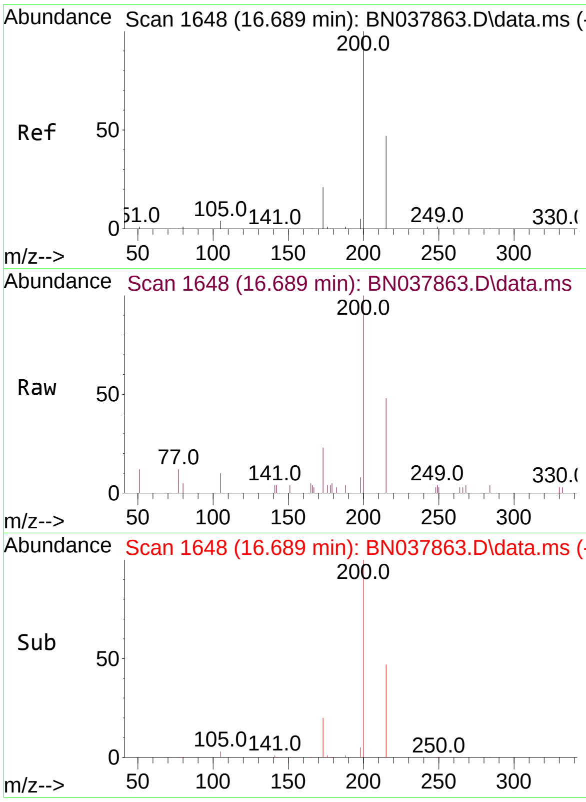
#22
Hexachlorobenzene
Concen: 0.385 ng
RT: 16.540 min Scan# 1636
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

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



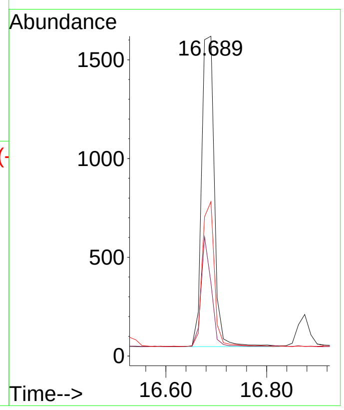
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

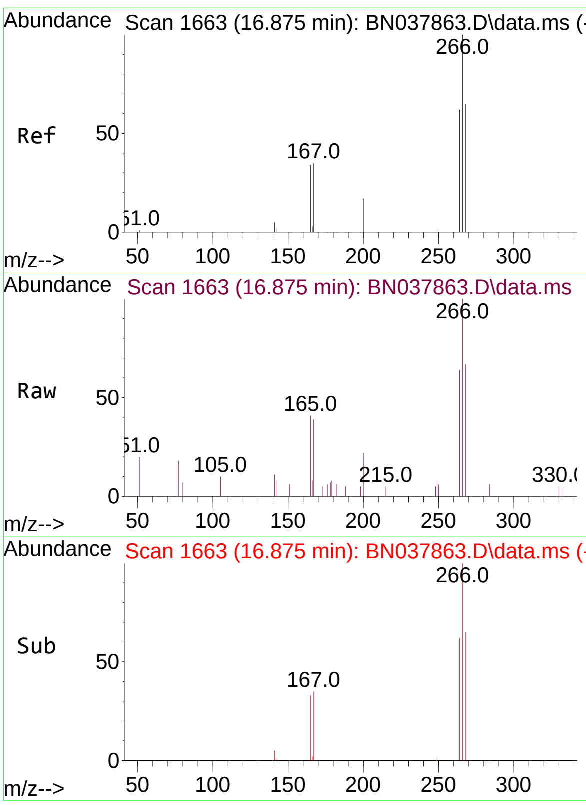


#23
Atrazine
Concen: 0.346 ng
RT: 16.689 min Scan# 16
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

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

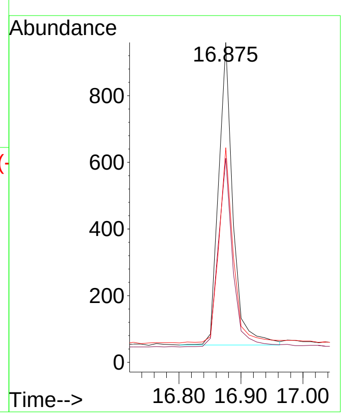




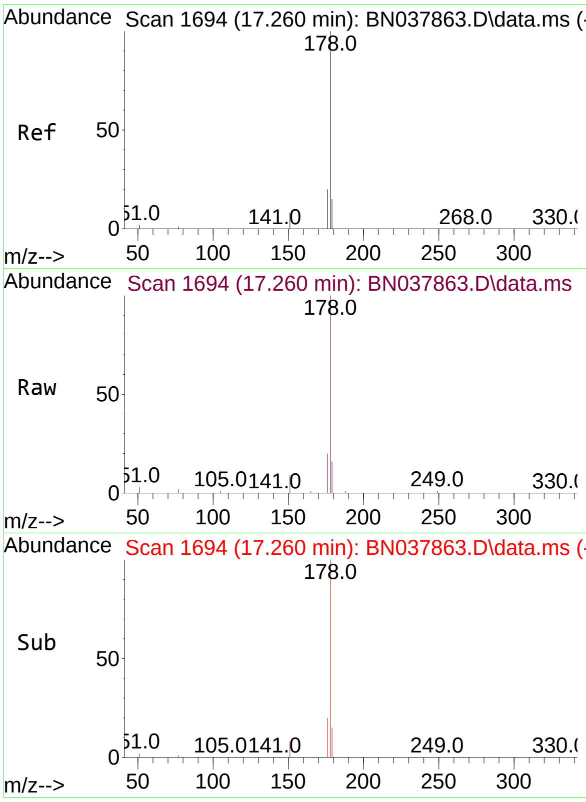
#24
Pentachlorophenol
Concen: 0.339 ng
RT: 16.875 min Scan# 1663
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

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



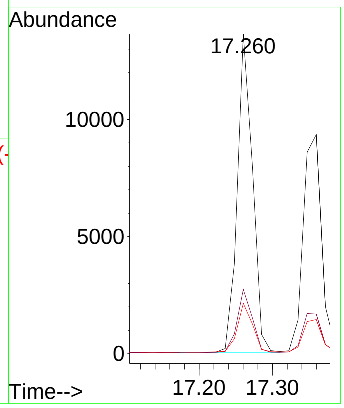
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

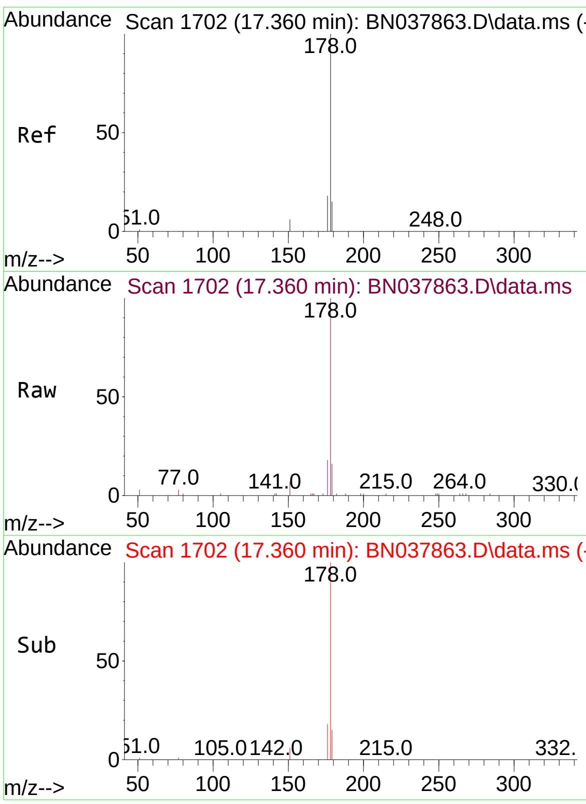


#25
Phenanthrene
Concen: 0.374 ng
RT: 17.260 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

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

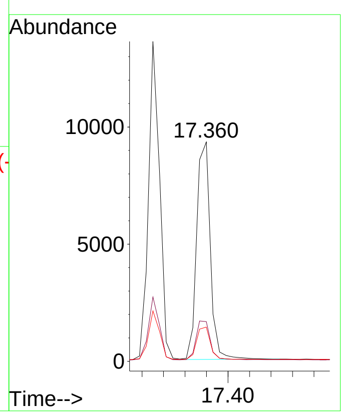




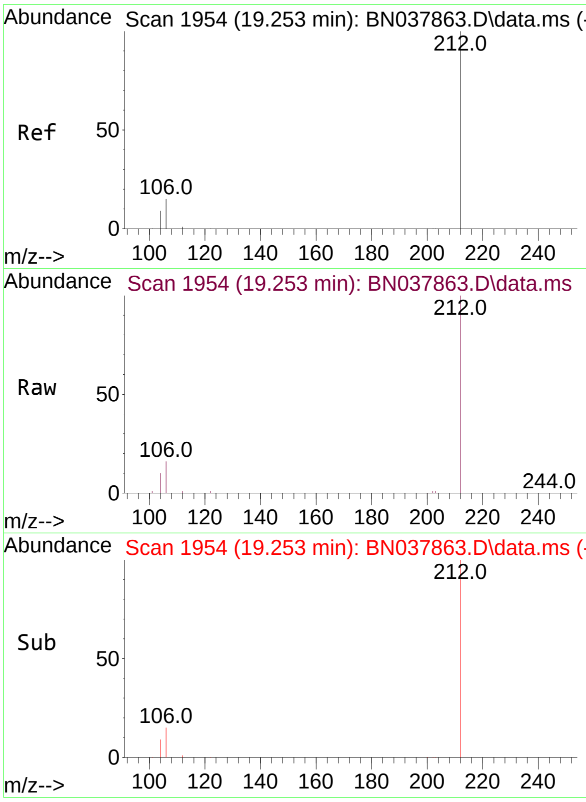
#26
Anthracene
Concen: 0.358 ng
RT: 17.360 min Scan# 1702
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

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



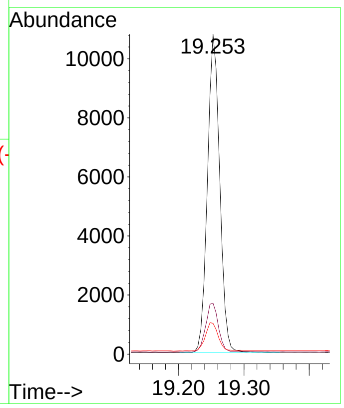
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

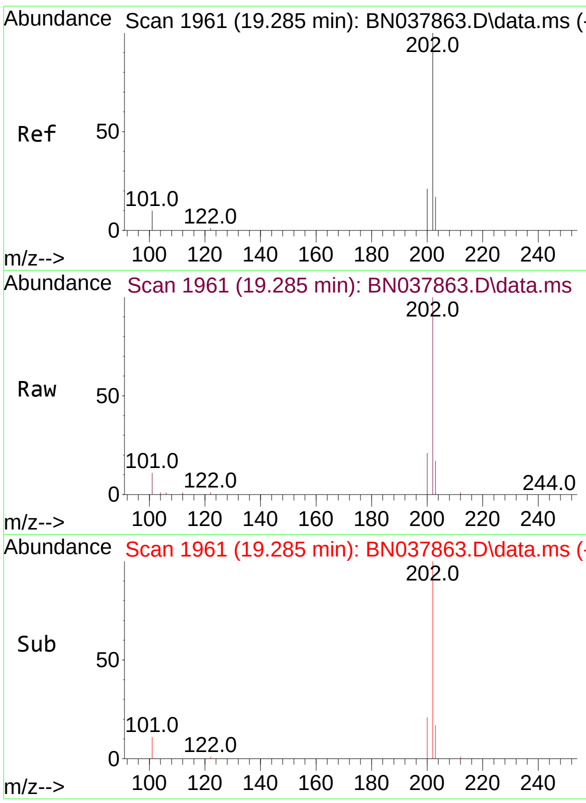


#27
Fluoranthene-d10
Concen: 0.352 ng
RT: 19.253 min Scan# 19
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

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

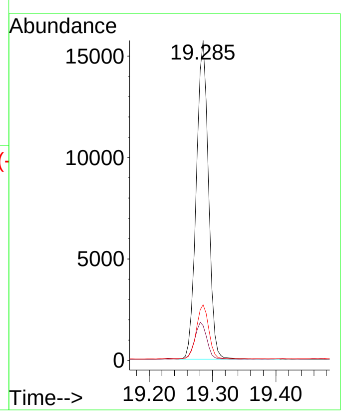




#28
Fluoranthene
Concen: 0.362 ng
RT: 19.285 min Scan# 1961
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

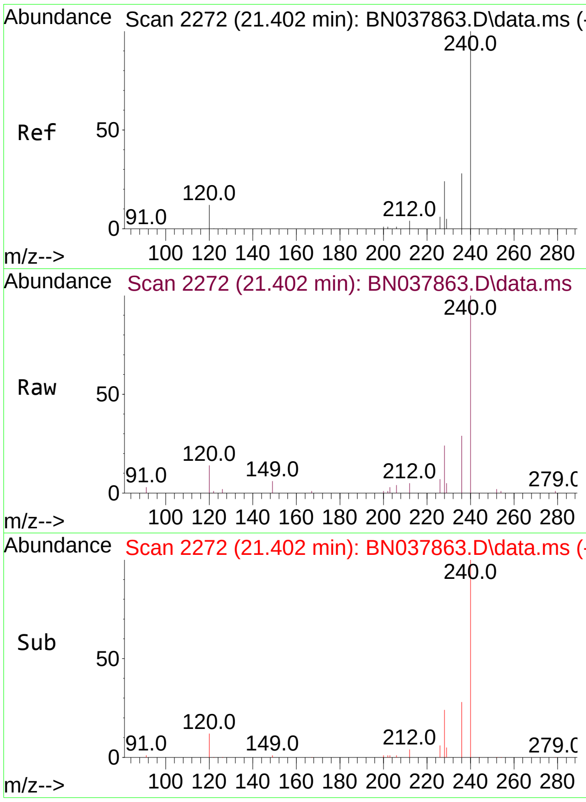
Tgt Ion:202 Resp: 20902

Ion	Ratio	Lower	Upper
202	100		
101	11.6	9.3	13.9
203	17.0	13.6	20.4



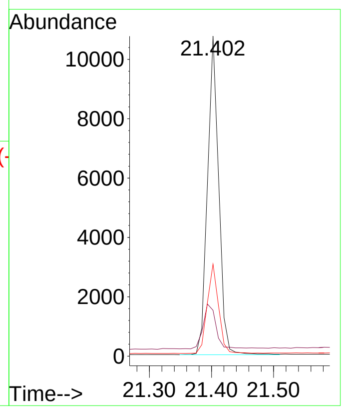
Instrument : BNA_N

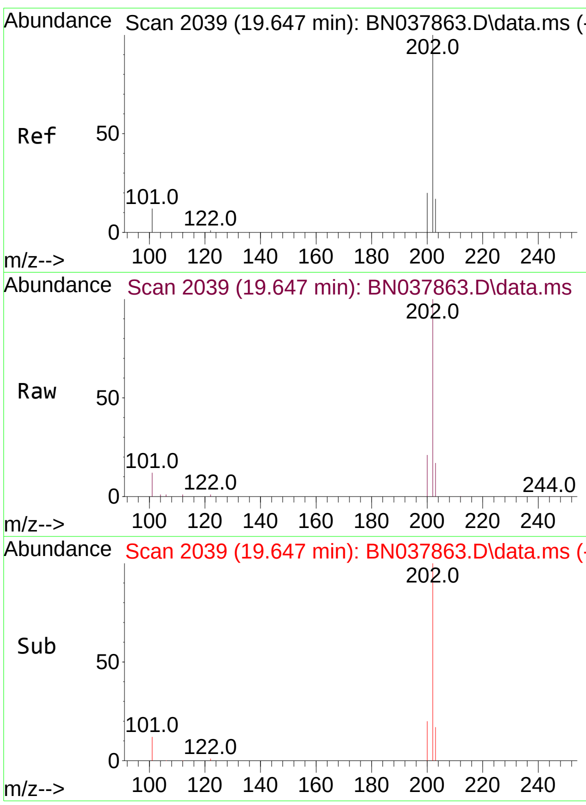
ClientSampleId : SSTDICCC0.4




```
#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

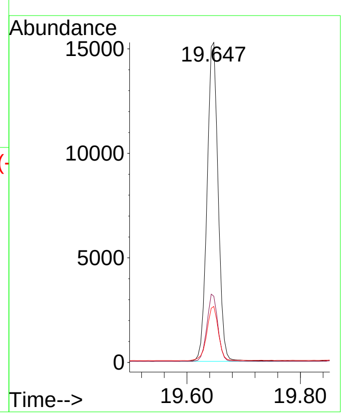
Tgt Ion:240 Resp:   13579
Ion  Ratio  Lower  Upper
240  100
120   14.3   11.4   17.2
236   28.8   23.0   34.6
```



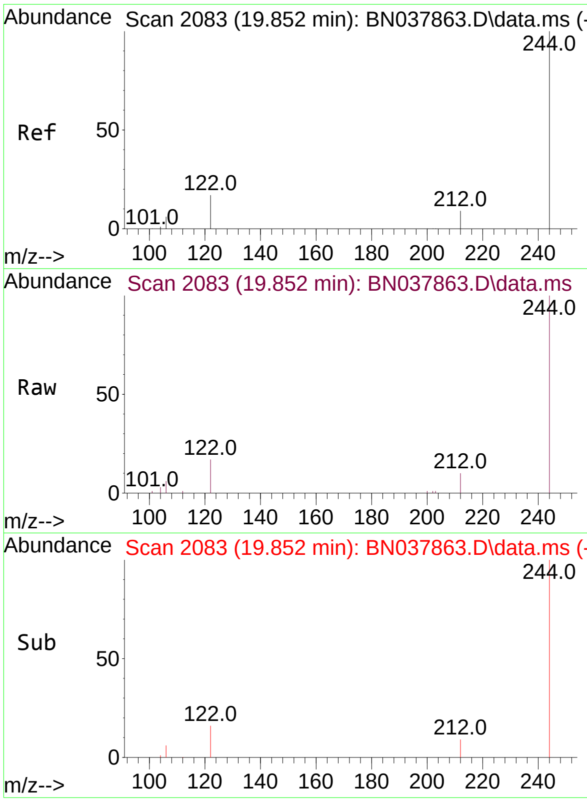



```
#30
Pyrene
Concen:    0.385 ng
RT:  19.647 min  Scan# 2039
Delta R.T.  0.000 min
Lab File:   BN037863.D
Acq: 23 Sep 2025  13:25

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
```



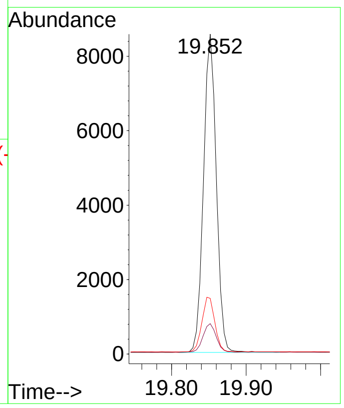
Instrument : BNA_N
ClientSampleId : SSTDICCC0.4

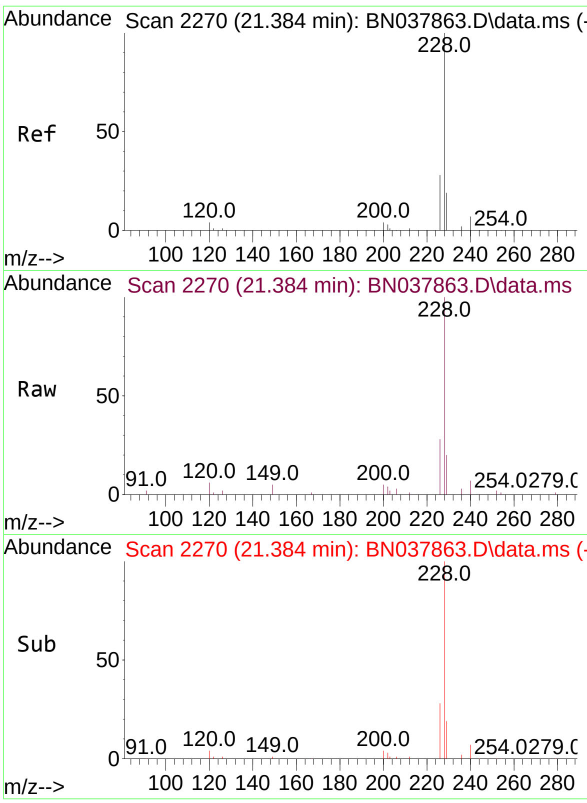


#31
Terphenyl-d14
Concen: 0.378 ng
RT: 19.852 min Scan# 20
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

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

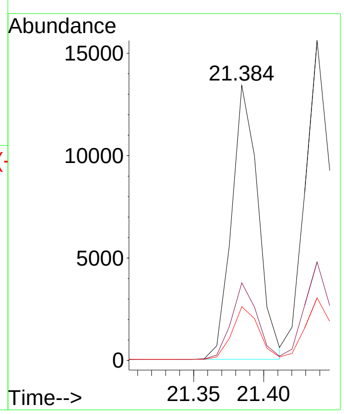




#32
Benzo(a)anthracene
Concen: 0.370 ng
RT: 21.384 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

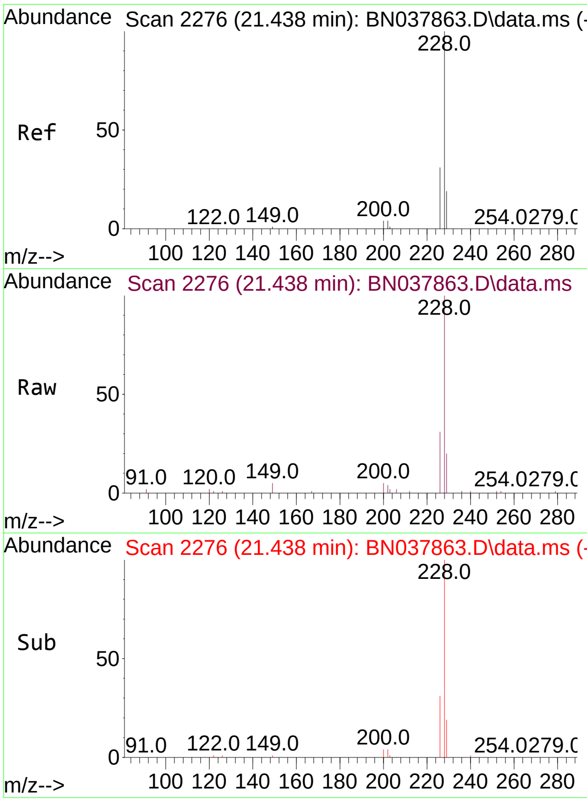
Tgt Ion:228 Resp: 17571

Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.6	33.8
229	19.5	15.6	23.4



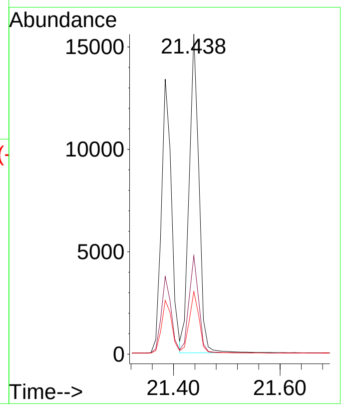
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

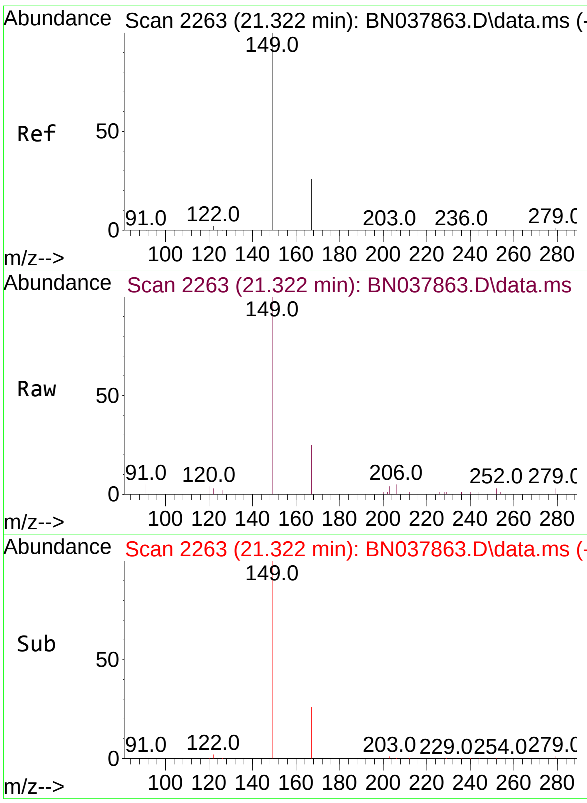
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4




```
#33
Chrysene
Concen:    0.387 ng
RT:  21.438 min  Scan# 22
Delta R.T.  0.000 min
Lab File:   BN037863.D
Acq: 23 Sep 2025  13:25

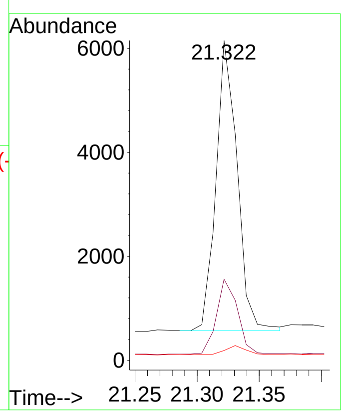
Tgt Ion:228 Resp:    19852
Ion  Ratio  Lower  Upper
228  100
226   30.8   24.6   37.0
229   19.5   15.6   23.4
```



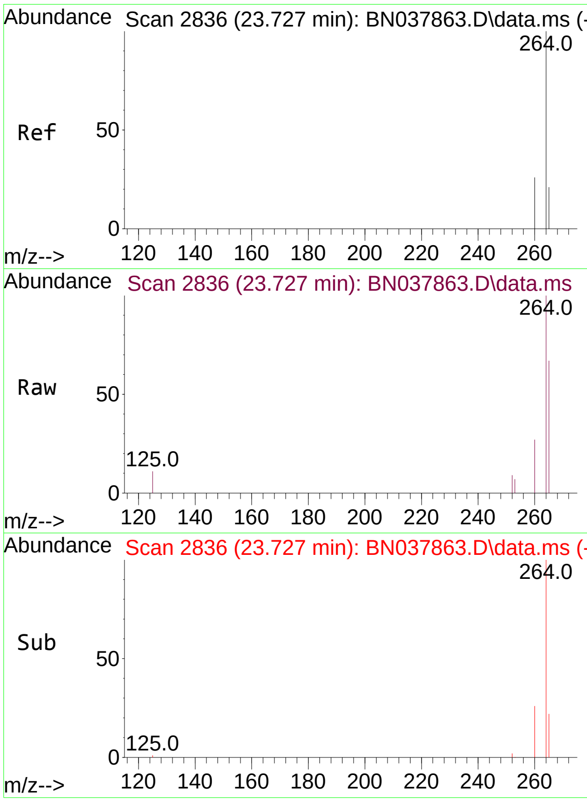



```
#34
Bis(2-ethylhexyl)phthalate
Concen:    0.352 ng
RT:  21.322 min  Scan# 2263
Delta R.T.  0.000 min
Lab File:   BN037863.D
Acq: 23 Sep 2025  13:25

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
```



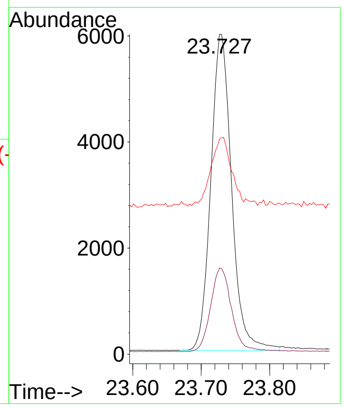
Instrument : BNA_N
ClientSampleId : SSTDICCC0.4

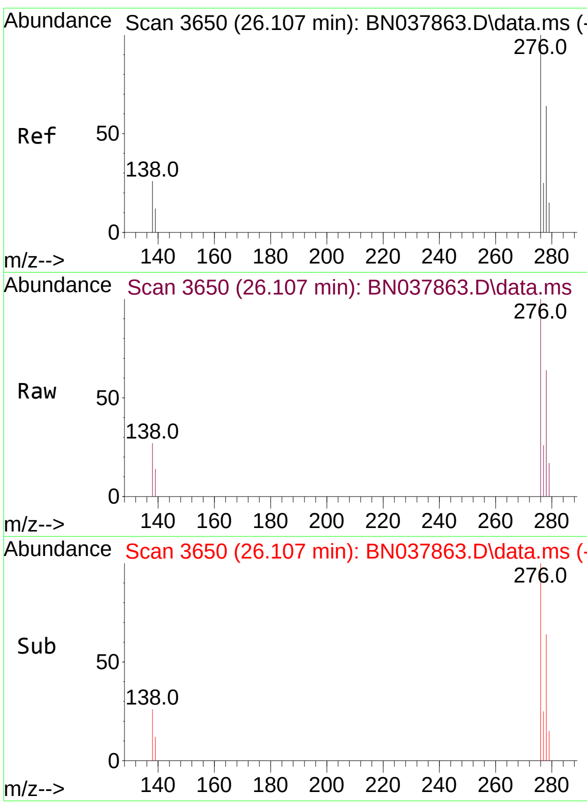


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.727 min Scan# 28
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

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

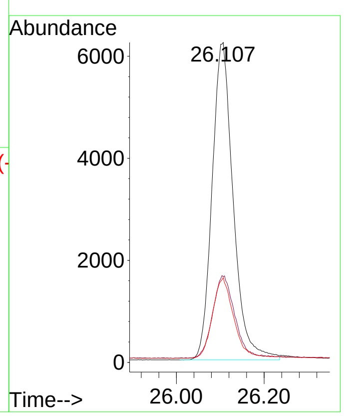




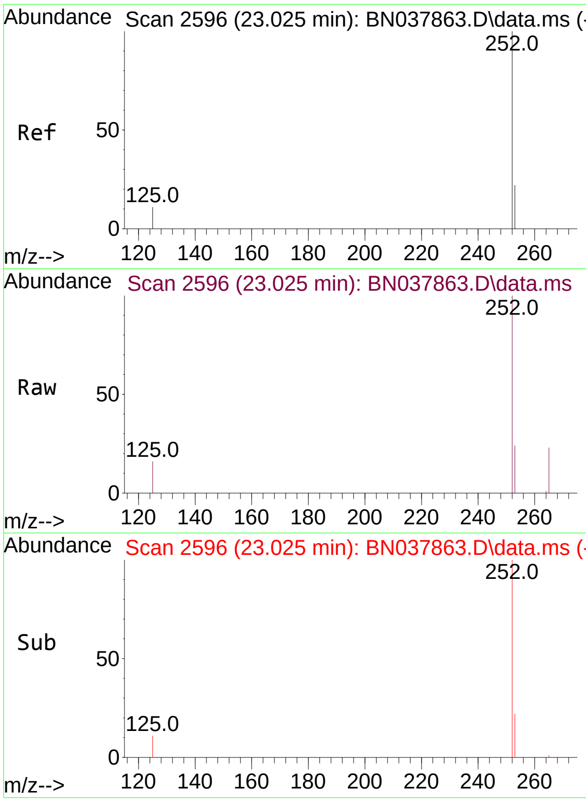
#36
Indeno(1,2,3-cd)pyrene
Concen: 0.363 ng
RT: 26.107 min Scan# 3650
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

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



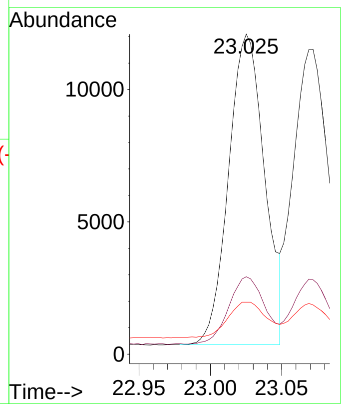
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

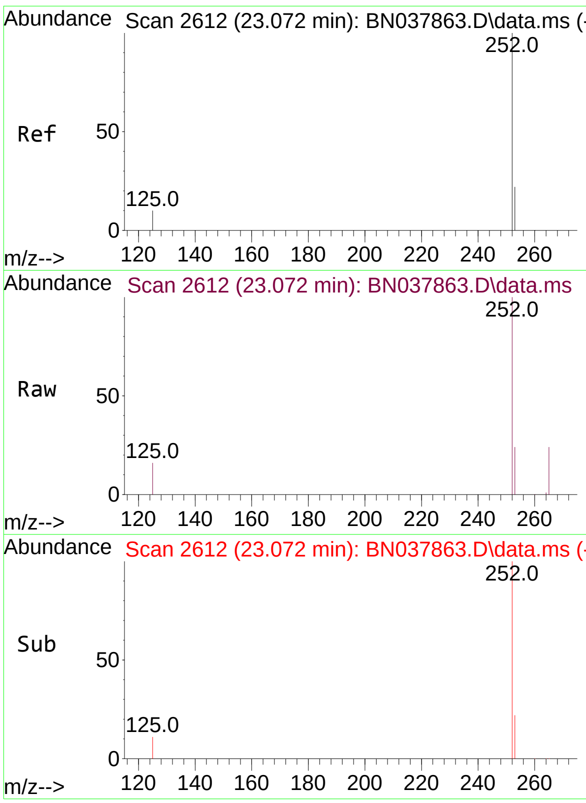


#37
Benzo(b)fluoranthene
Concen: 0.380 ng
RT: 23.025 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

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

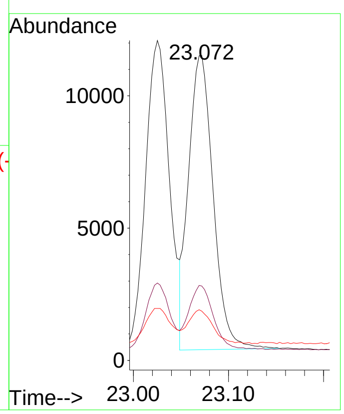




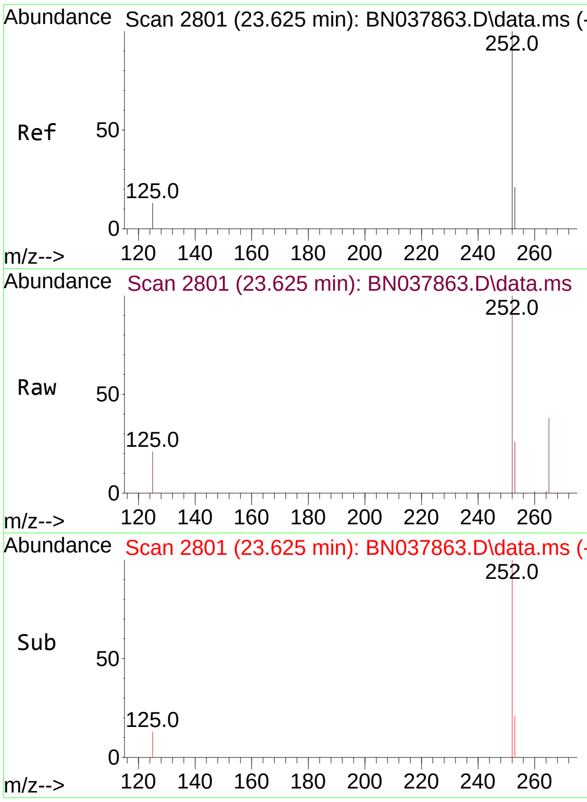
#38
Benzo(k)fluoranthene
Concen: 0.368 ng
RT: 23.072 min Scan# 2612
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

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

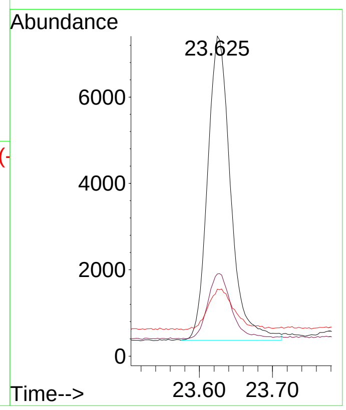


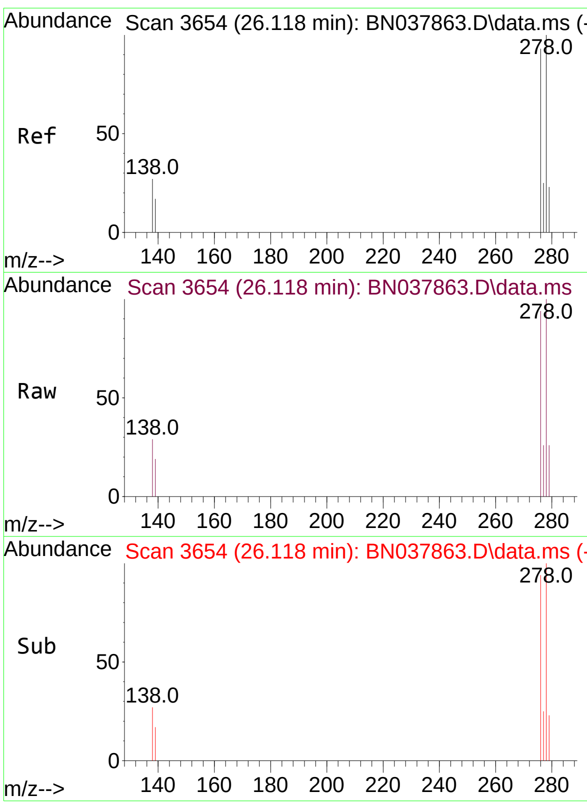
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4




```
#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

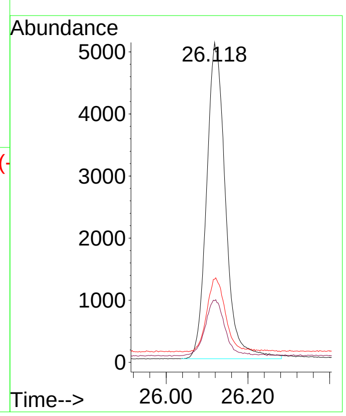
Tgt Ion:252 Resp:   15479
Ion  Ratio  Lower  Upper
252  100
253   25.7   20.6   30.8
125   20.9   16.7   25.1
```

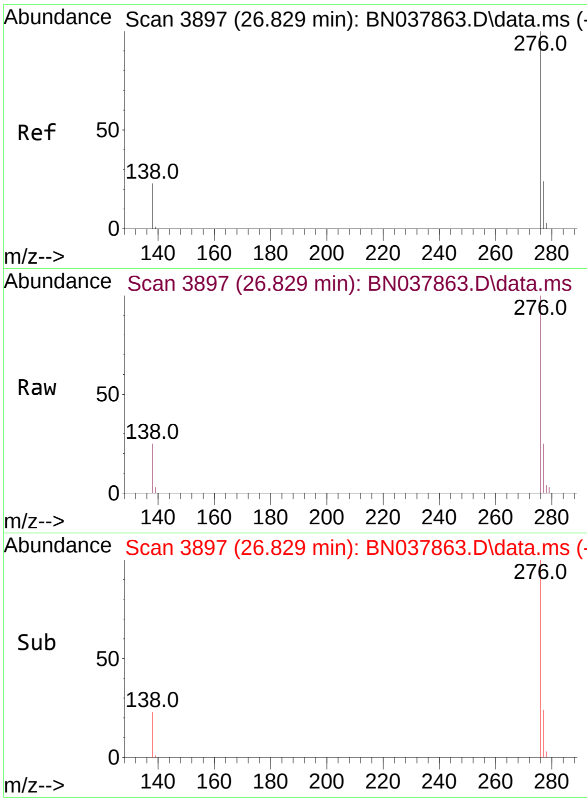





```
#40
Dibenzo(a,h)anthracene
Concen:    0.365 ng
RT:  26.118 min  Scan# 3654
Delta R.T.  0.000 min
Lab File:   BN037863.D
Acq: 23 Sep 2025  13:25

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
```



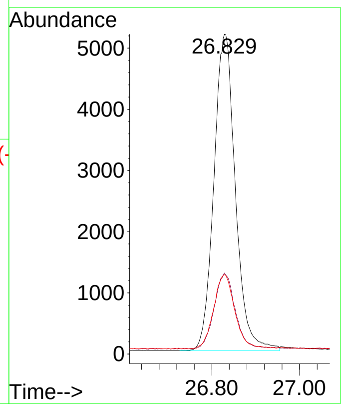


#41
Benzo(g,h,i)perylene
Concen: 0.374 ng
RT: 26.829 min Scan# 38
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

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



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

Quantitation Report   (QT Reviewed)

ICAL Form

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

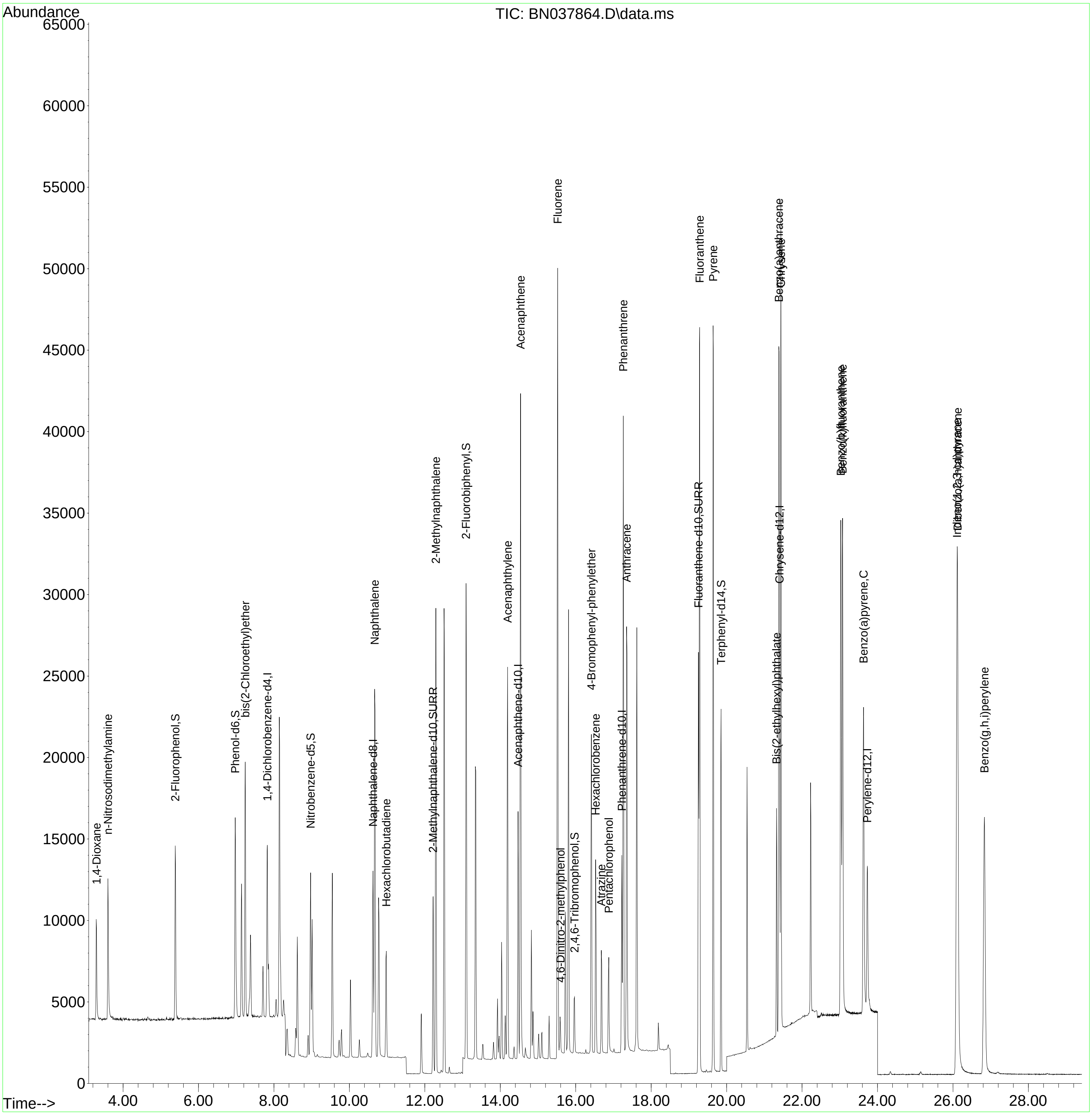
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

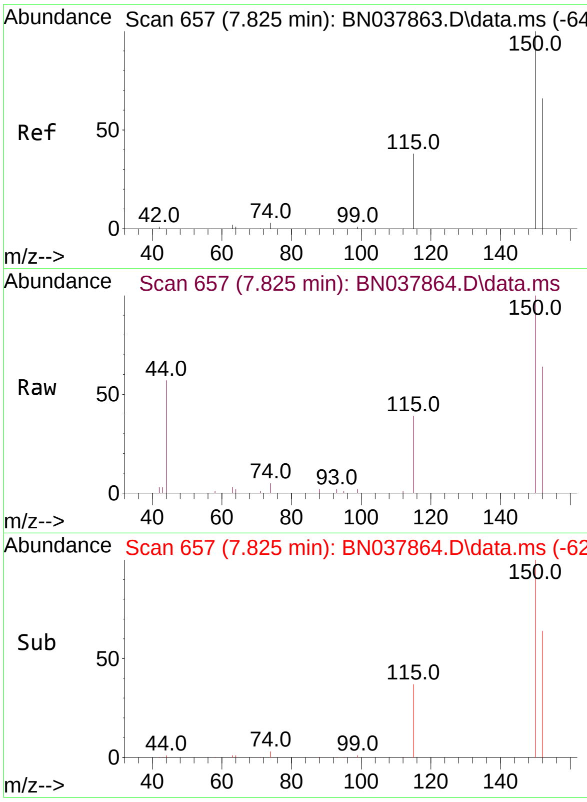
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092325\
Data File : BN037864.D
Acq On : 23 Sep 2025 14:02
Operator : RC/JU
Sample : SSTDICC0.8
Misc :
ALS Vial : 5 Sample Multiplier: 1

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



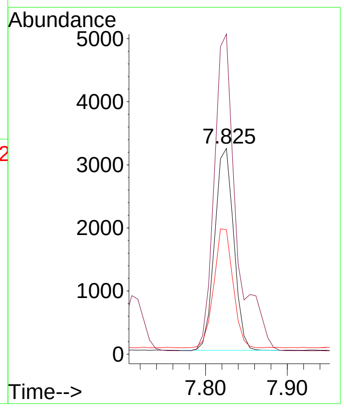
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

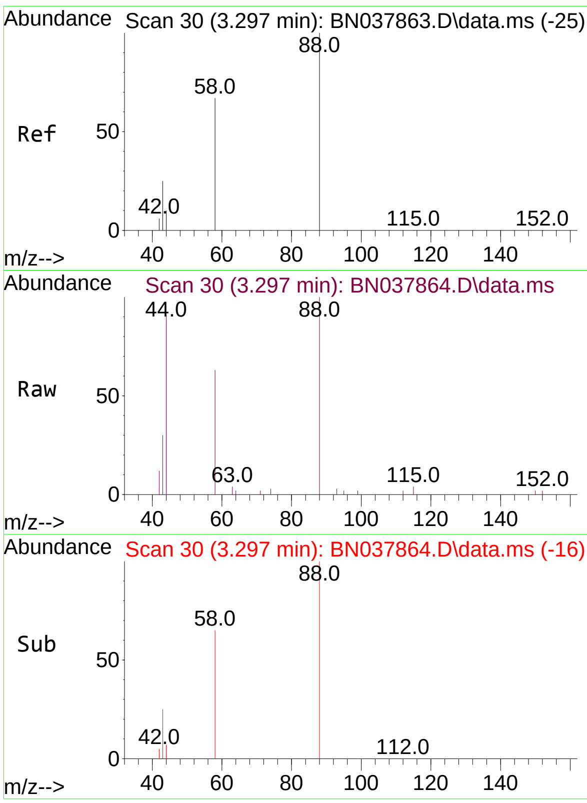


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.825 min Scan# 65
Delta R.T. 0.000 min
Lab File: BN037864.D
Acq: 23 Sep 2025 14:02

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

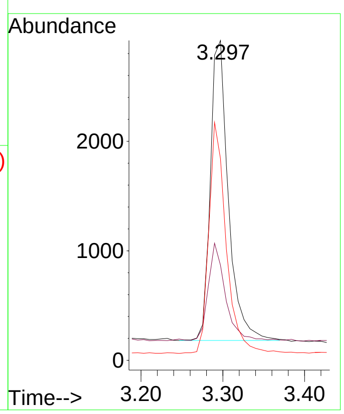




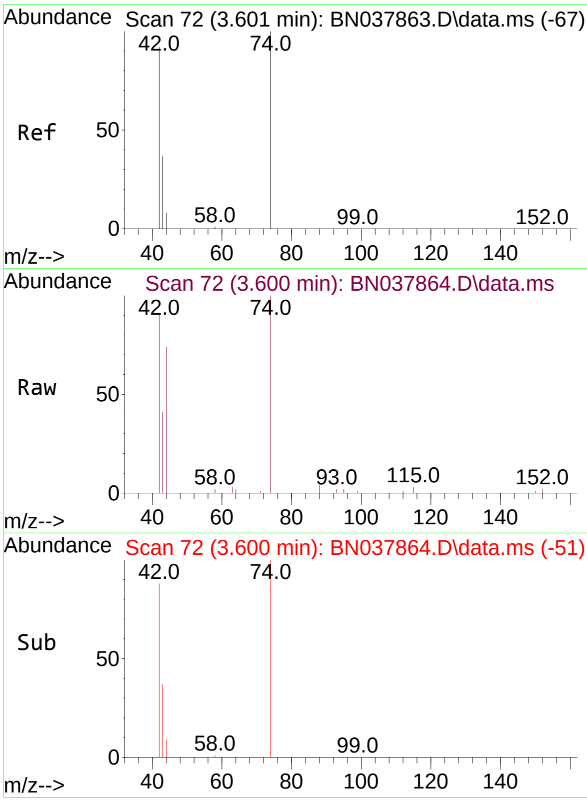
#2
1,4-Dioxane
Concen: 0.793 ng
RT: 3.297 min Scan# 30
Delta R.T. -0.000 min
Lab File: BN037864.D
Acq: 23 Sep 2025 14:02

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



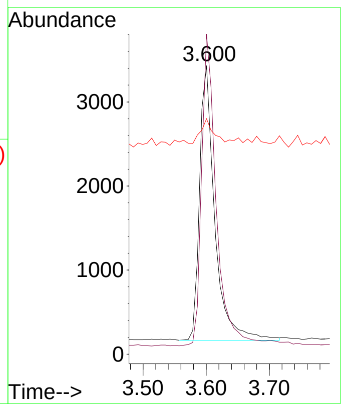
Instrument : BNA_N
ClientSampleId : SSTDICC0.8

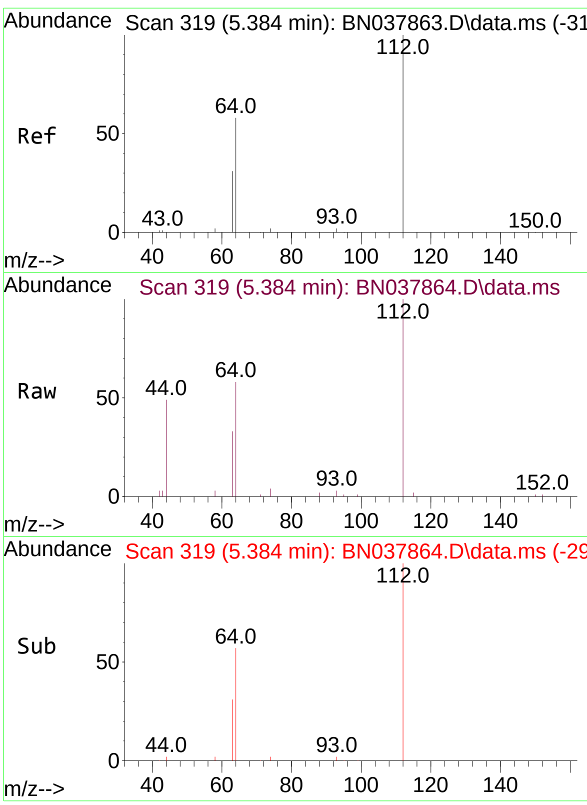


#3
n-Nitrosodimethylamine
Concen: 0.779 ng
RT: 3.600 min Scan# 72
Delta R.T. -0.000 min
Lab File: BN037864.D
Acq: 23 Sep 2025 14:02

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#

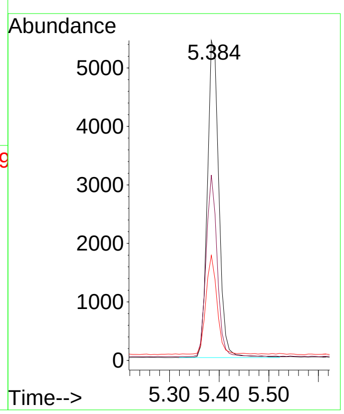




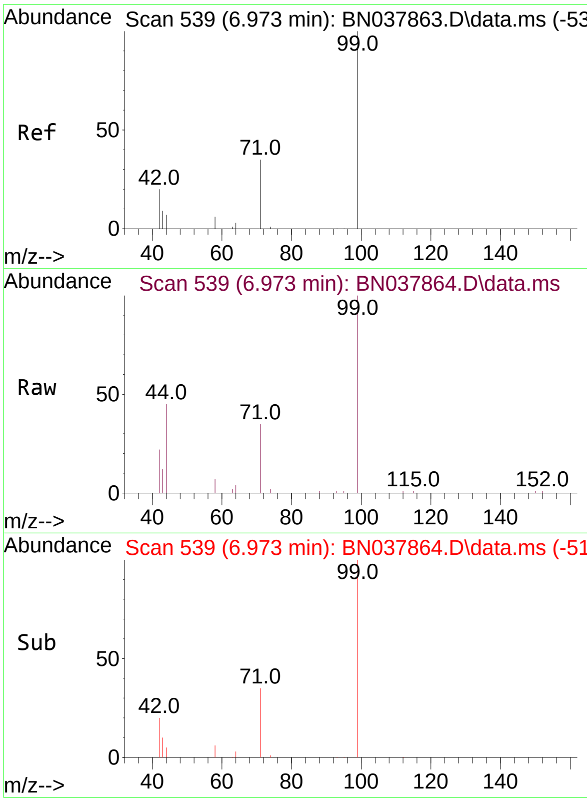
#4
2-Fluorophenol
Concen: 0.736 ng
RT: 5.384 min Scan# 319
Delta R.T. -0.000 min
Lab File: BN037864.D
Acq: 23 Sep 2025 14:02

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



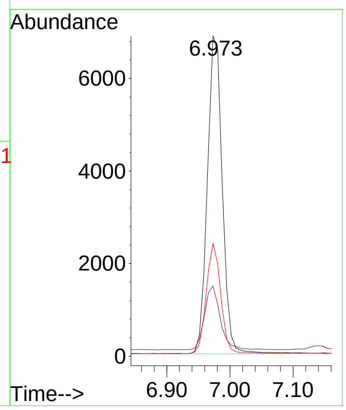
Instrument : BNA_N
ClientSampleId : SSTDICC0.8

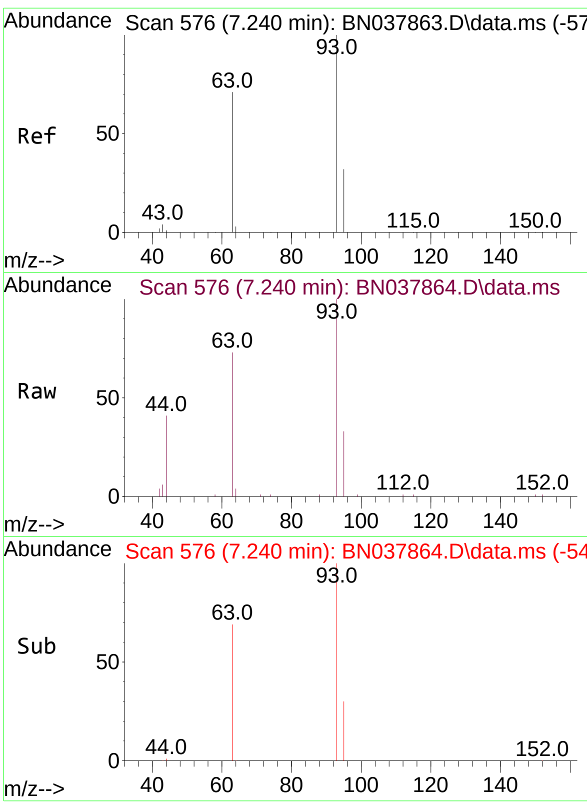


#5
Phenol-d6
Concen: 0.725 ng
RT: 6.973 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN037864.D
Acq: 23 Sep 2025 14:02

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

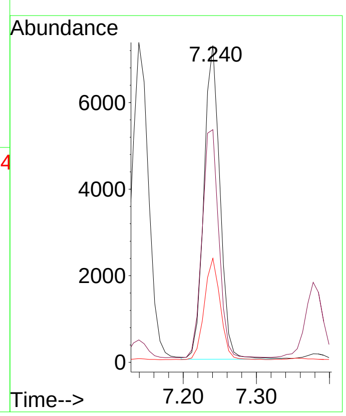




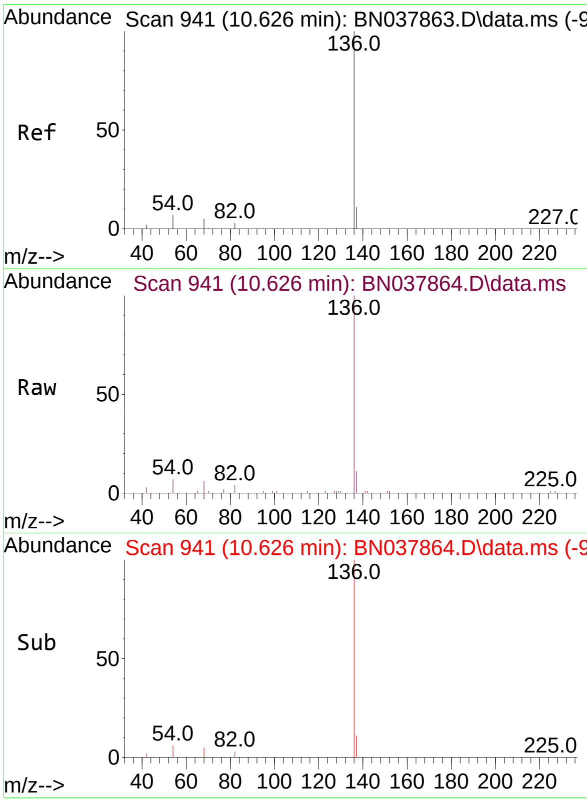
#6
bis(2-Chloroethyl)ether
Concen: 0.766 ng
RT: 7.240 min Scan# 576
Delta R.T. -0.000 min
Lab File: BN037864.D
Acq: 23 Sep 2025 14:02

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



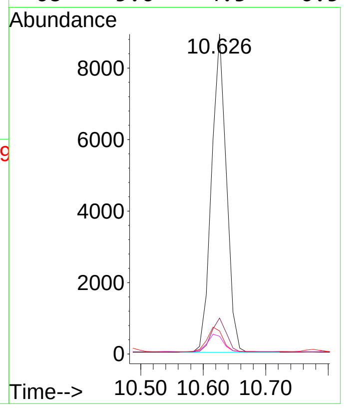
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

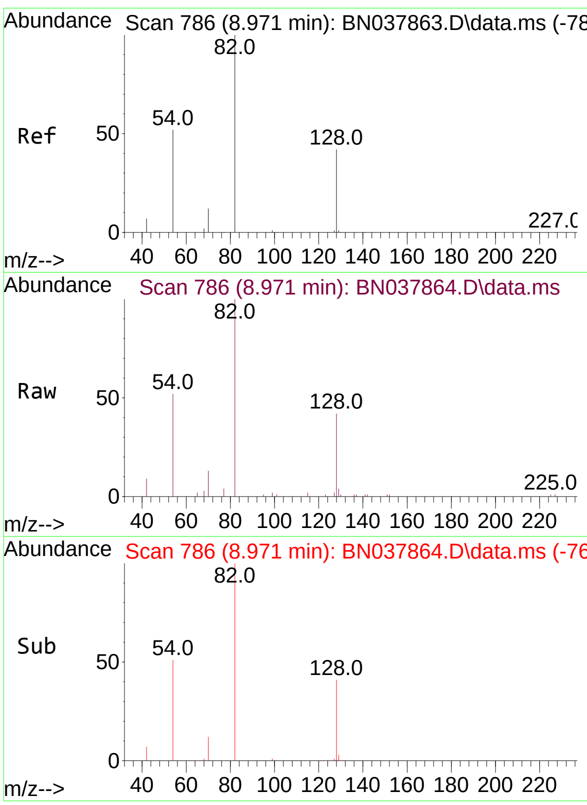


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.626 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN037864.D
Acq: 23 Sep 2025 14:02

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

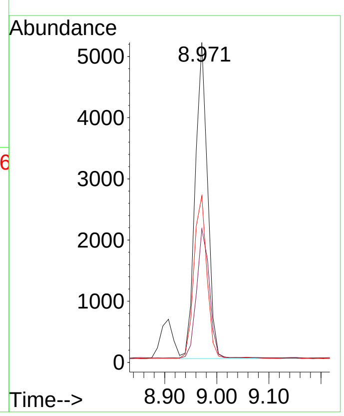




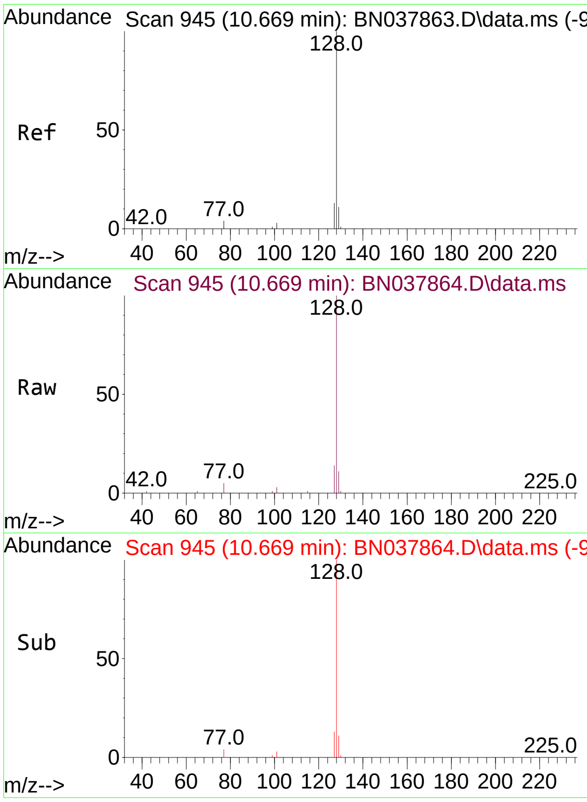
#8
Nitrobenzene-d5
Concen: 0.761 ng
RT: 8.971 min Scan# 786
Delta R.T. -0.000 min
Lab File: BN037864.D
Acq: 23 Sep 2025 14:02

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



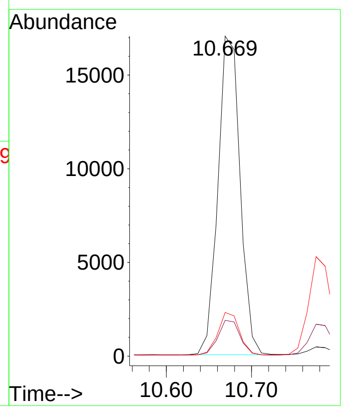
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

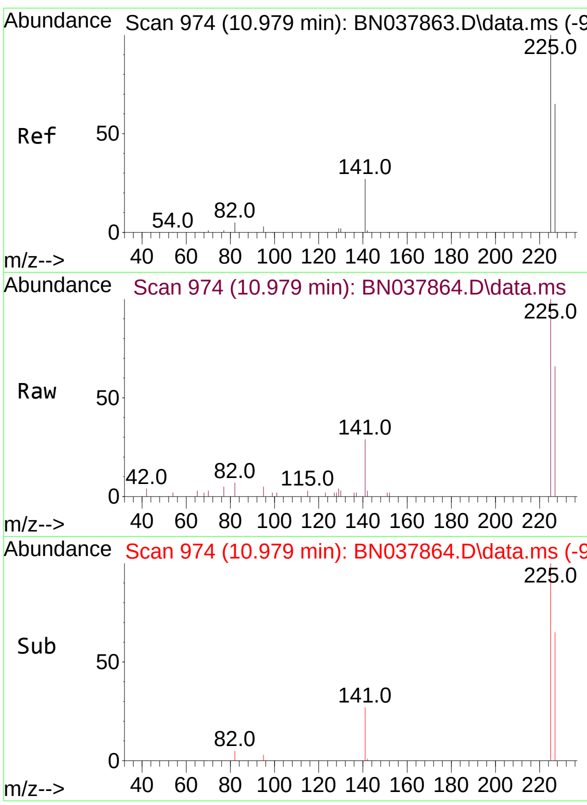


#9
Naphthalene
Concen: 0.763 ng
RT: 10.669 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN037864.D
Acq: 23 Sep 2025 14:02

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

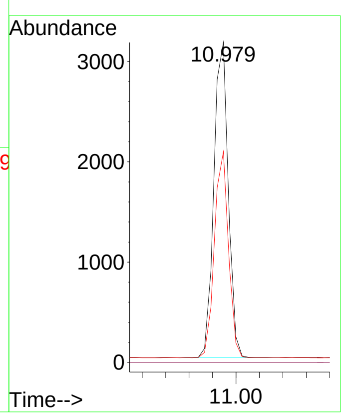




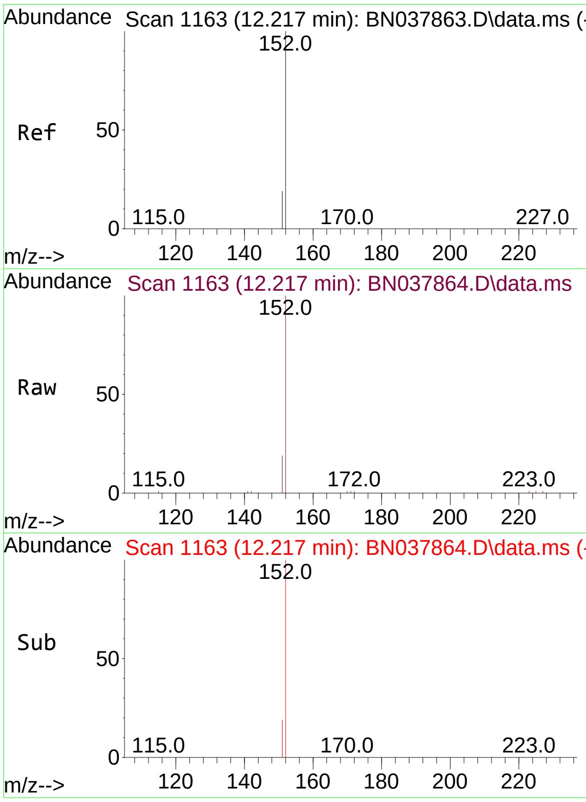
#10
Hexachlorobutadiene
Concen: 0.780 ng
RT: 10.979 min Scan# 974
Delta R.T. -0.000 min
Lab File: BN037864.D
Acq: 23 Sep 2025 14:02

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



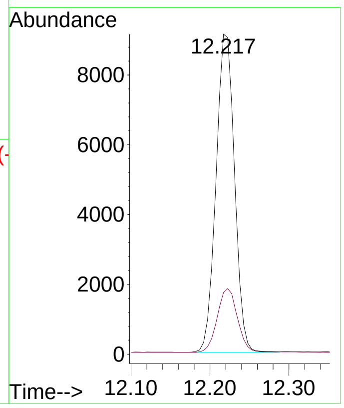
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

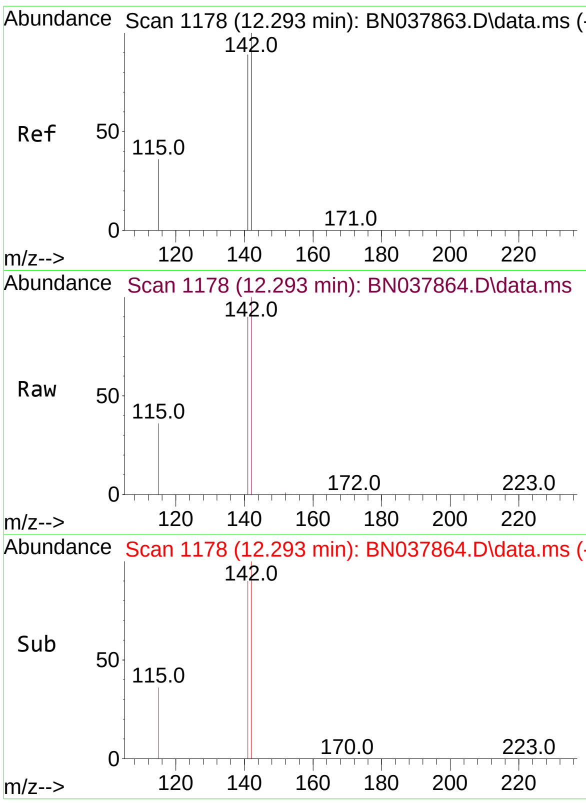


#11
2-Methylnaphthalene-d10
Concen: 0.725 ng
RT: 12.217 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN037864.D
Acq: 23 Sep 2025 14:02

Tgt Ion:152 Resp: 14822

Ion	Ratio	Lower	Upper
152	100		
151	21.7	17.4	26.2

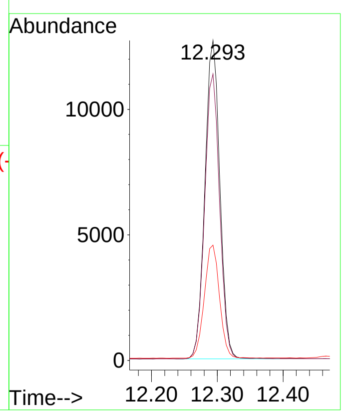




#12
2-Methylnaphthalene
Concen: 0.758 ng
RT: 12.293 min Scan# 1178
Delta R.T. -0.000 min
Lab File: BN037864.D
Acq: 23 Sep 2025 14:02

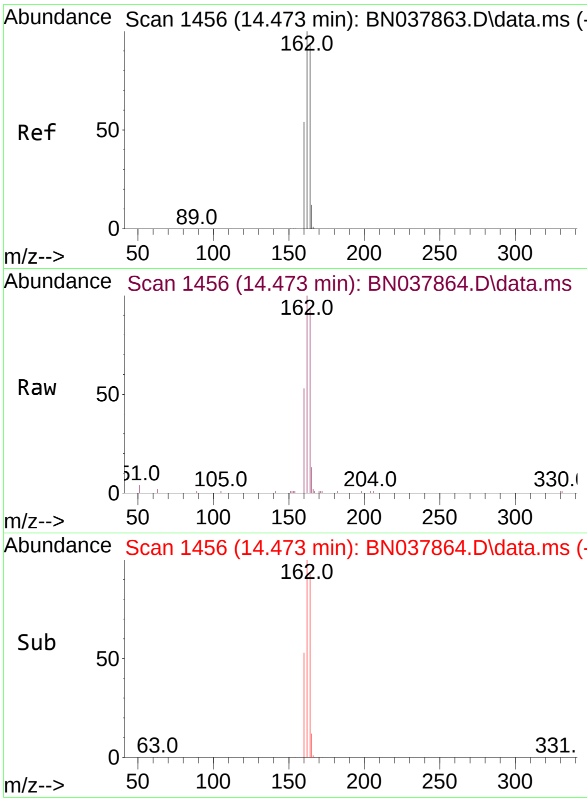
Tgt Ion:142 Resp: 20065

Ion	Ratio	Lower	Upper
142	100		
141	89.5	71.2	106.8
115	36.0	29.7	44.5



Instrument : BNA_N
ClientSampleId : SSTDICC0.8

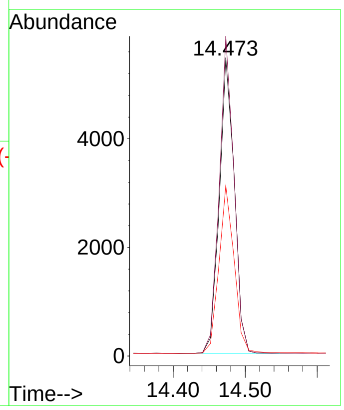
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

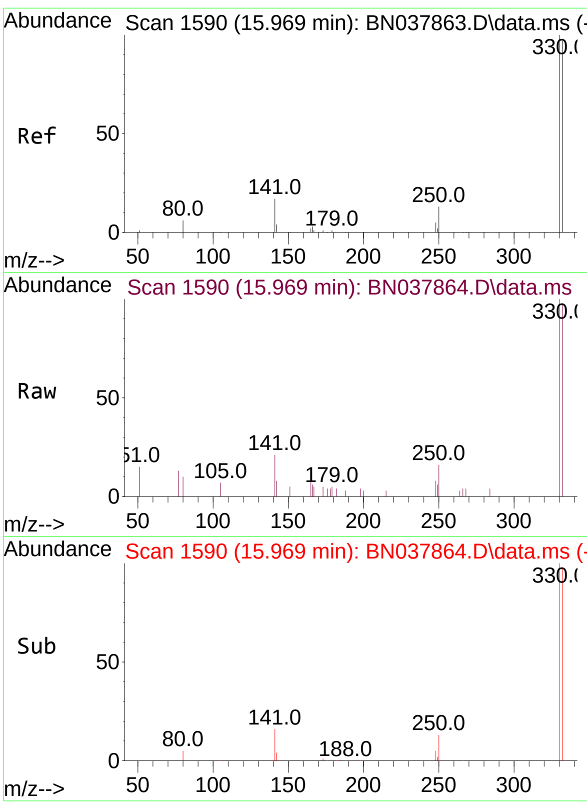


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.473 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN037864.D
Acq: 23 Sep 2025 14:02

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

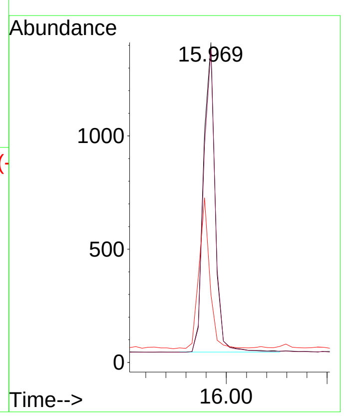




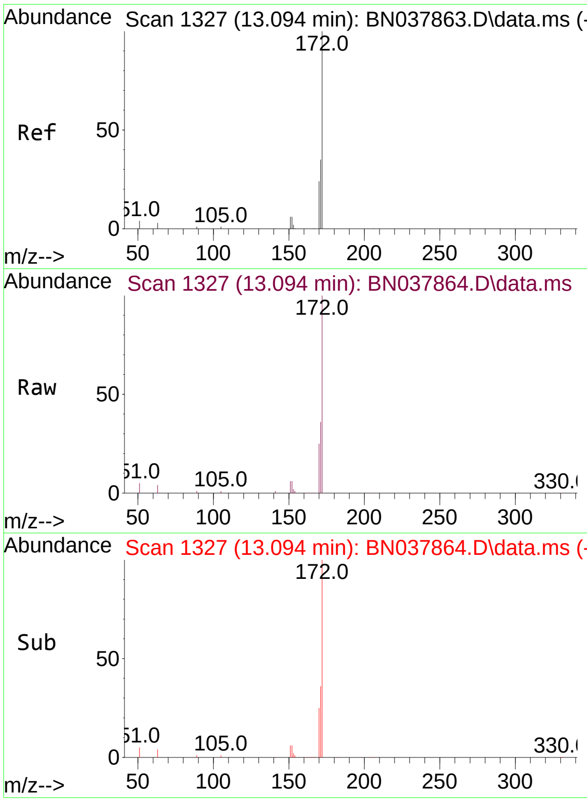
#14
2,4,6-Tribromophenol
Concen: 0.687 ng
RT: 15.969 min Scan# 1590
Delta R.T. -0.000 min
Lab File: BN037864.D
Acq: 23 Sep 2025 14:02

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



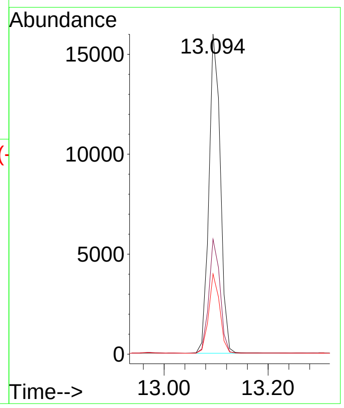
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

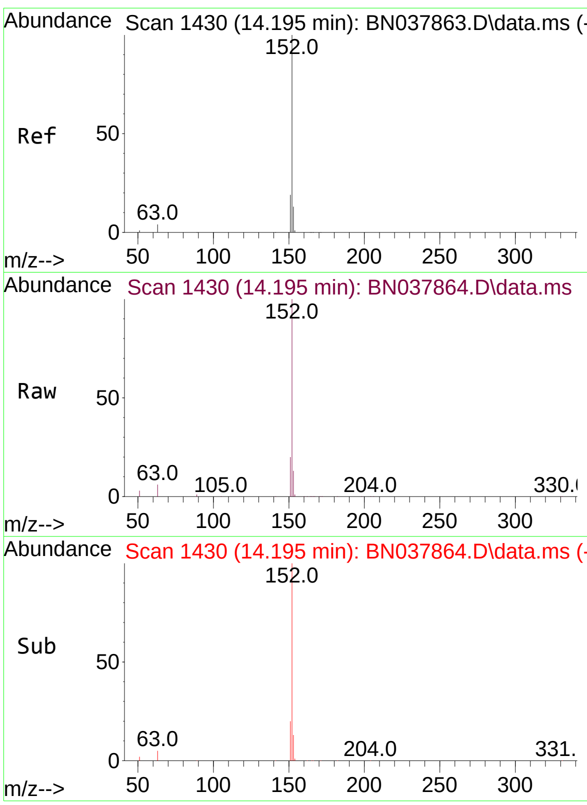


#15
2-Fluorobiphenyl
Concen: 0.756 ng
RT: 13.094 min Scan# 13
Delta R.T. -0.000 min
Lab File: BN037864.D
Acq: 23 Sep 2025 14:02

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

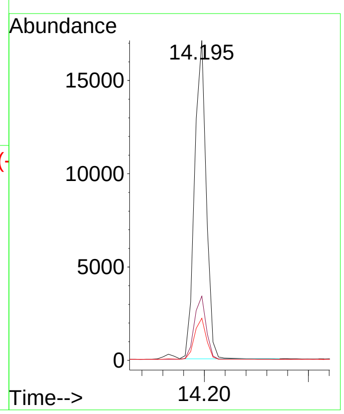




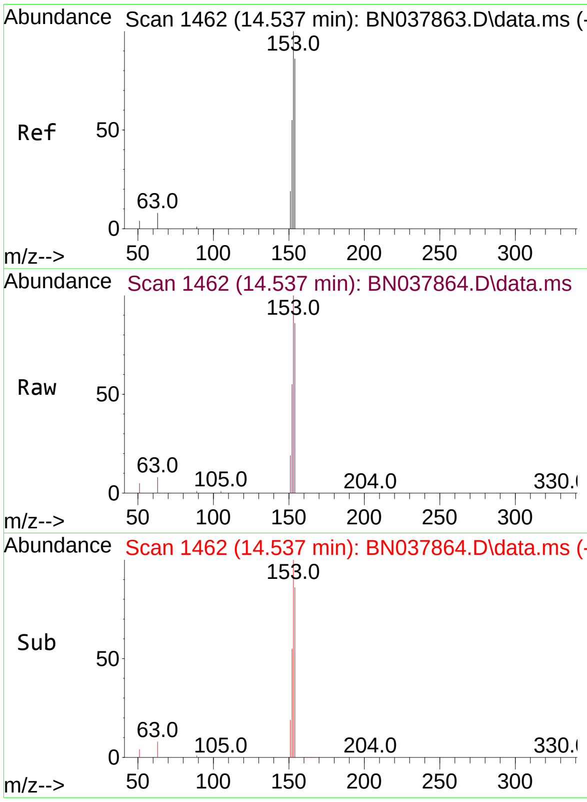
#16
Acenaphthylene
Concen: 0.740 ng
RT: 14.195 min Scan# 1430
Delta R.T. -0.000 min
Lab File: BN037864.D
Acq: 23 Sep 2025 14:02

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

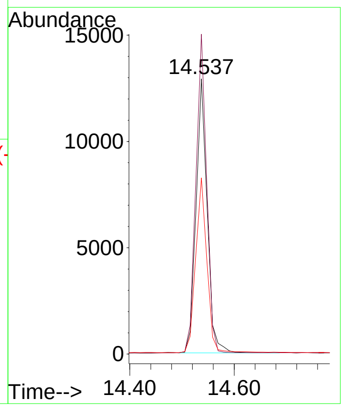


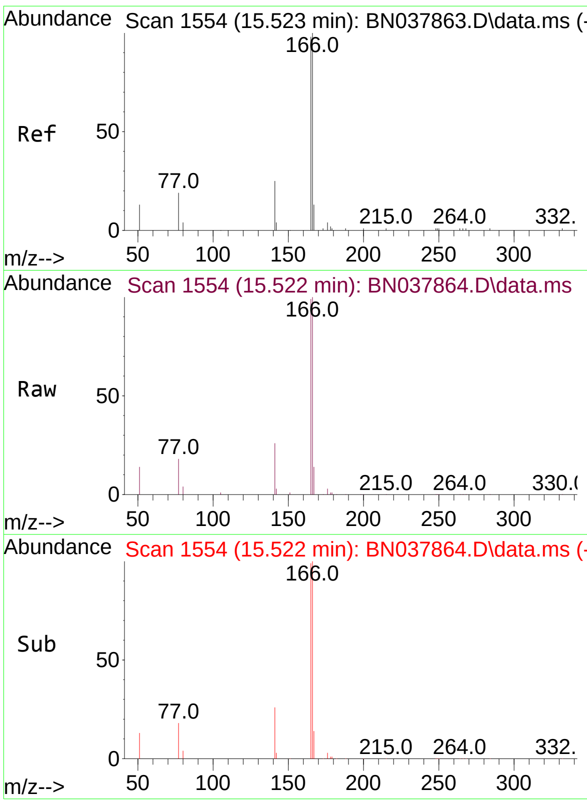
Instrument : BNA_N
ClientSampleId : SSTDICC0.8




```
#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

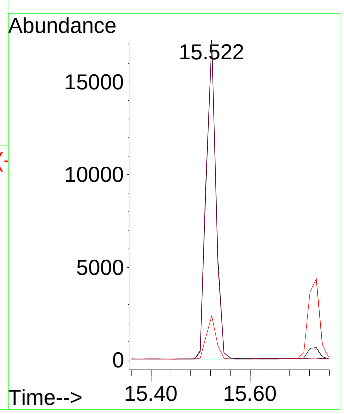
Tgt Ion:154 Resp:   19057
Ion  Ratio  Lower  Upper
154  100
153  112.9   90.5  135.7
152   64.2   51.8   77.8
```



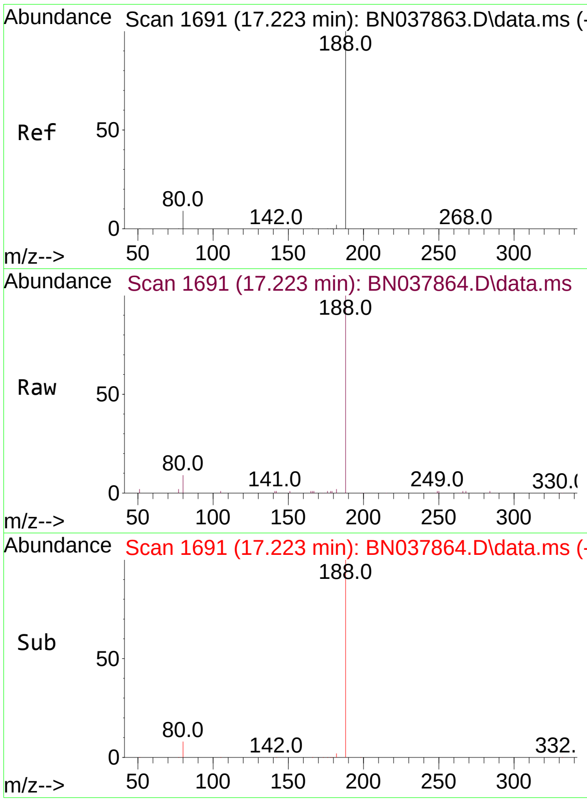



```
#18
Fluorene
Concen:    0.749 ng
RT:  15.522 min  Scan# 1554
Delta R.T.  -0.000 min
Lab File:   BN037864.D
Acq: 23 Sep 2025  14:02

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
```



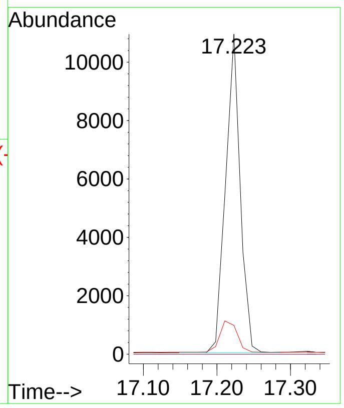
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

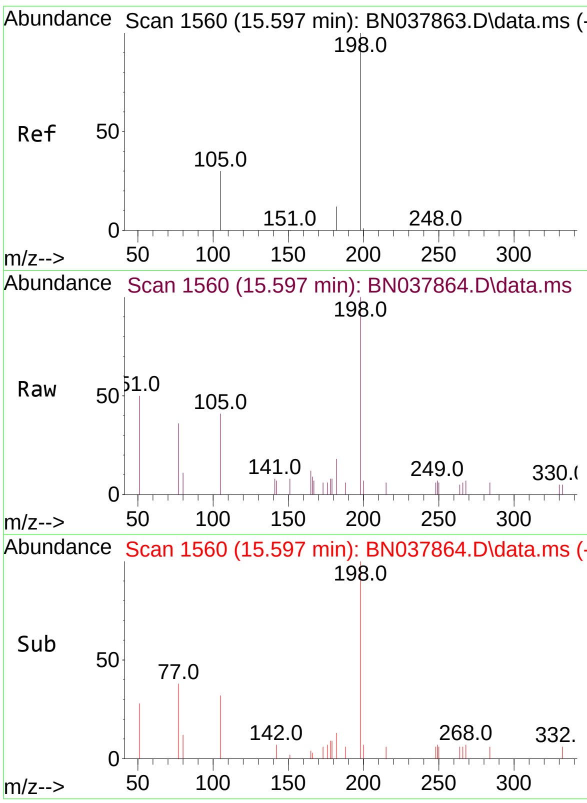


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.223 min Scan# 16
Delta R.T. -0.000 min
Lab File: BN037864.D
Acq: 23 Sep 2025 14:02

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

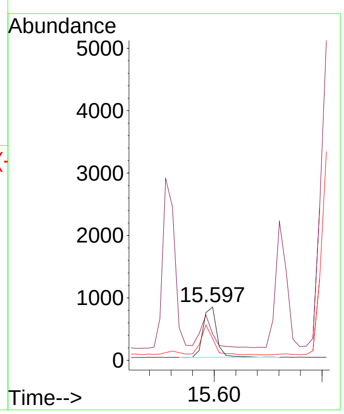




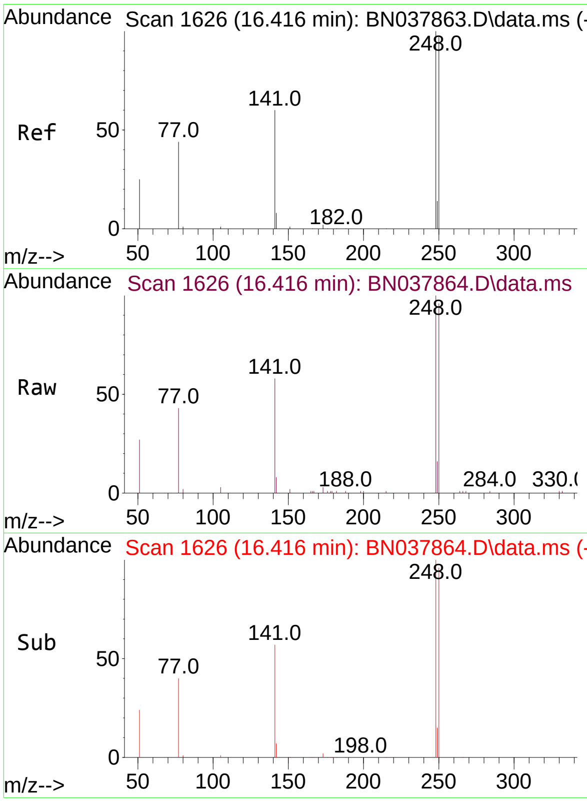
#20
4,6-Dinitro-2-methylphenol
Concen: 0.755 ng
RT: 15.597 min Scan# 1560
Delta R.T. -0.000 min
Lab File: BN037864.D
Acq: 23 Sep 2025 14:02

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#



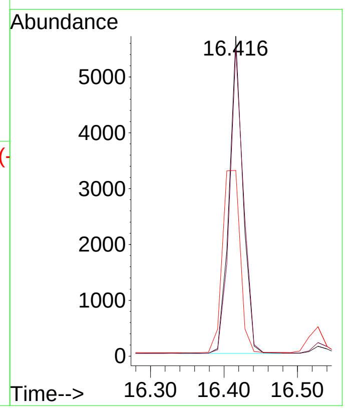
Instrument : BNA_N
ClientSampleId : SSTDICC0.8

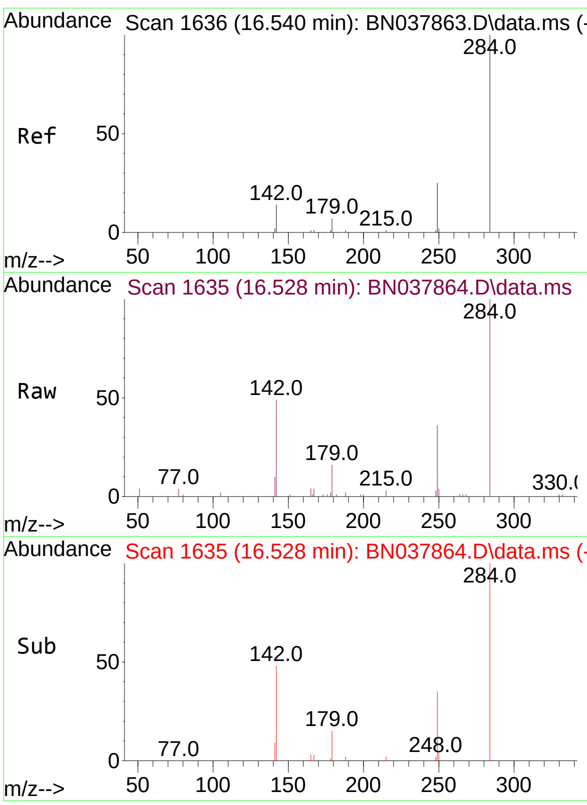


#21
4-Bromophenyl-phenylether
Concen: 0.748 ng
RT: 16.416 min Scan# 16
Delta R.T. -0.000 min
Lab File: BN037864.D
Acq: 23 Sep 2025 14:02

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

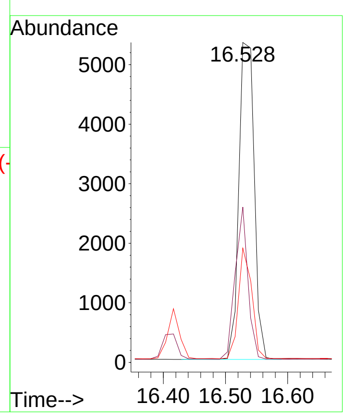




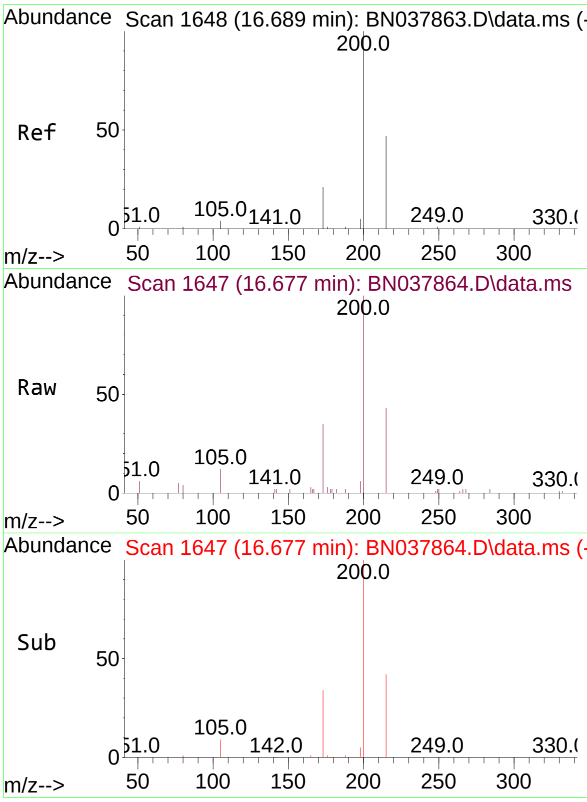
#22
Hexachlorobenzene
Concen: 0.761 ng
RT: 16.528 min Scan# 1635
Delta R.T. -0.012 min
Lab File: BN037864.D
Acq: 23 Sep 2025 14:02

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



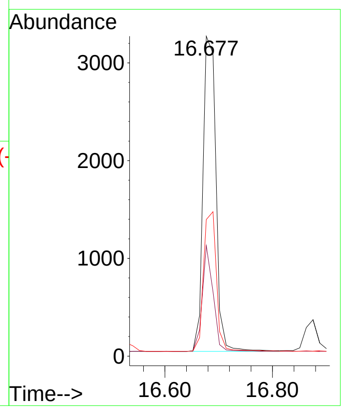
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

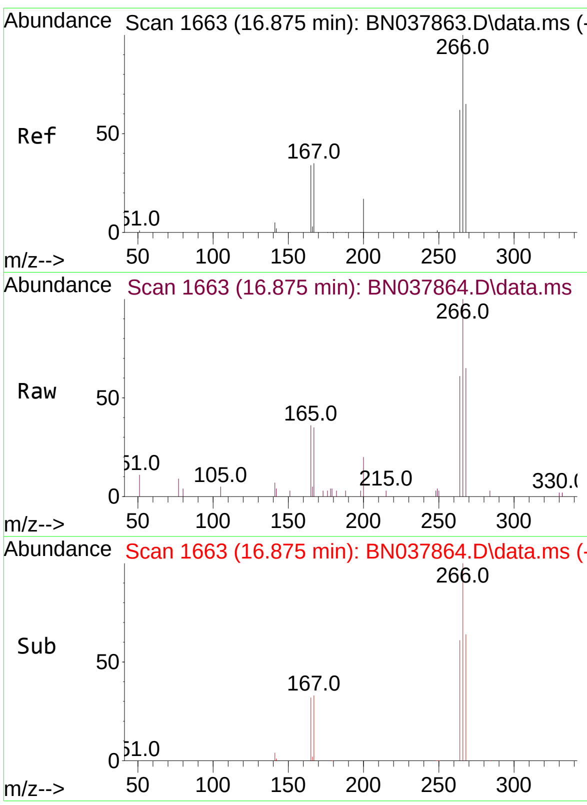


#23
Atrazine
Concen: 0.716 ng
RT: 16.677 min Scan# 16
Delta R.T. -0.012 min
Lab File: BN037864.D
Acq: 23 Sep 2025 14:02

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

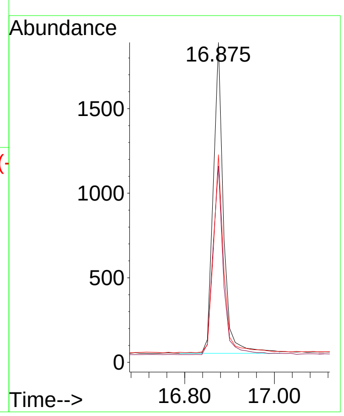




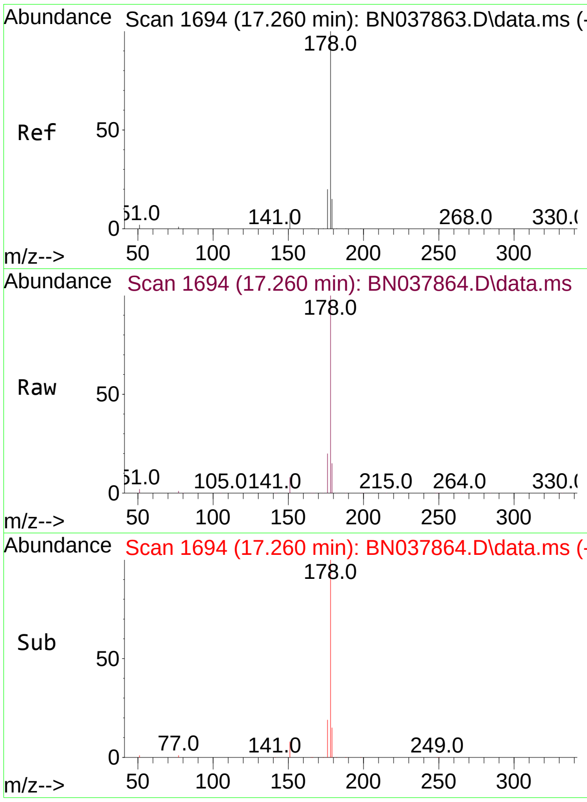
#24
Pentachlorophenol
Concen: 0.714 ng
RT: 16.875 min Scan# 1663
Delta R.T. 0.000 min
Lab File: BN037864.D
Acq: 23 Sep 2025 14:02

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



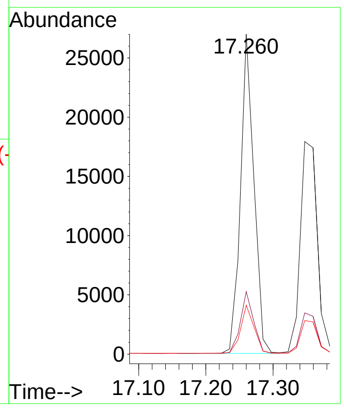
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

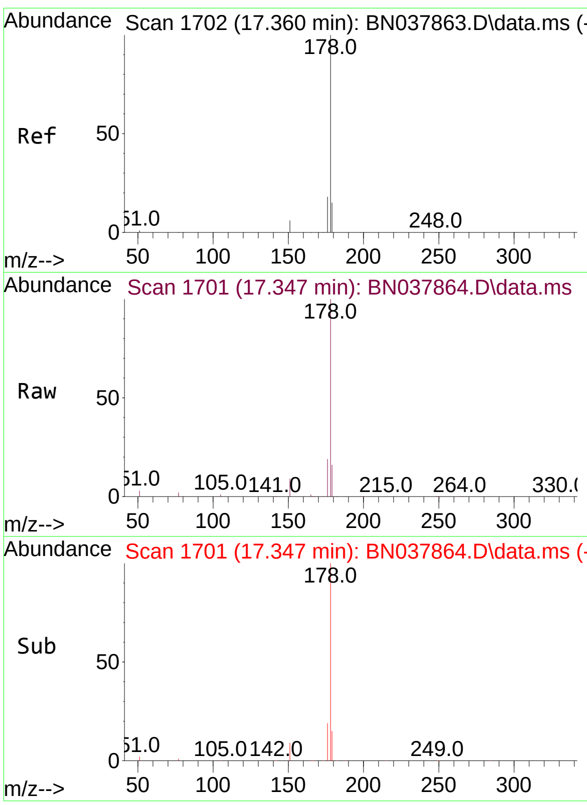


#25
Phenanthrene
Concen: 0.744 ng
RT: 17.260 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037864.D
Acq: 23 Sep 2025 14:02

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

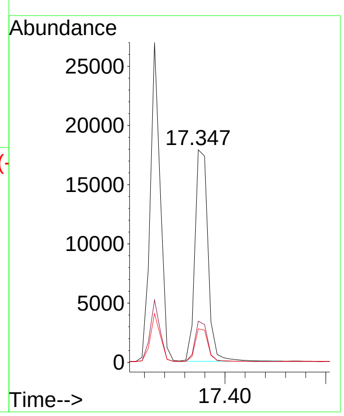




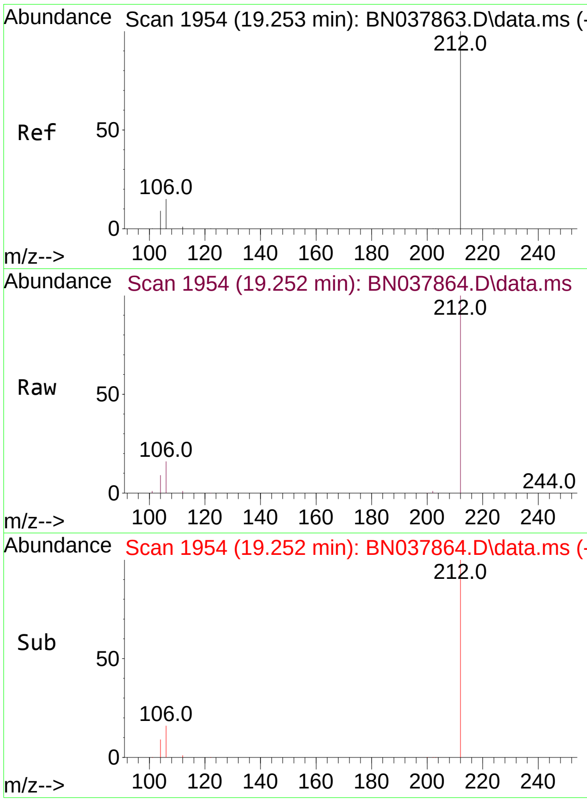
#26
Anthracene
Concen: 0.740 ng
RT: 17.347 min Scan# 1701
Delta R.T. -0.012 min
Lab File: BN037864.D
Acq: 23 Sep 2025 14:02

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



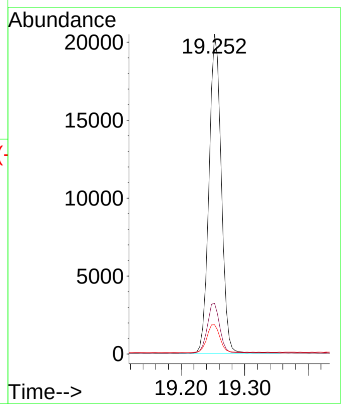
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

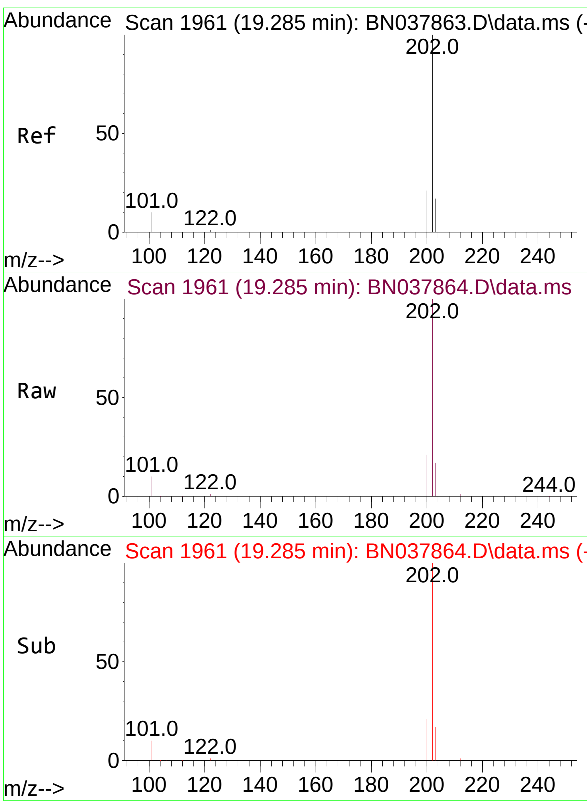


#27
Fluoranthene-d10
Concen: 0.715 ng
RT: 19.252 min Scan# 19
Delta R.T. -0.000 min
Lab File: BN037864.D
Acq: 23 Sep 2025 14:02

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

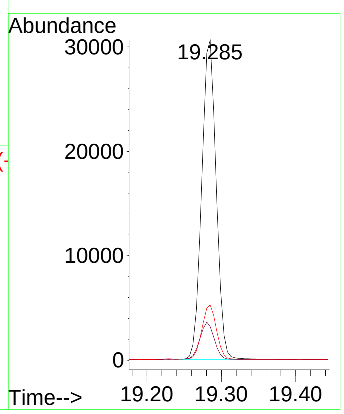




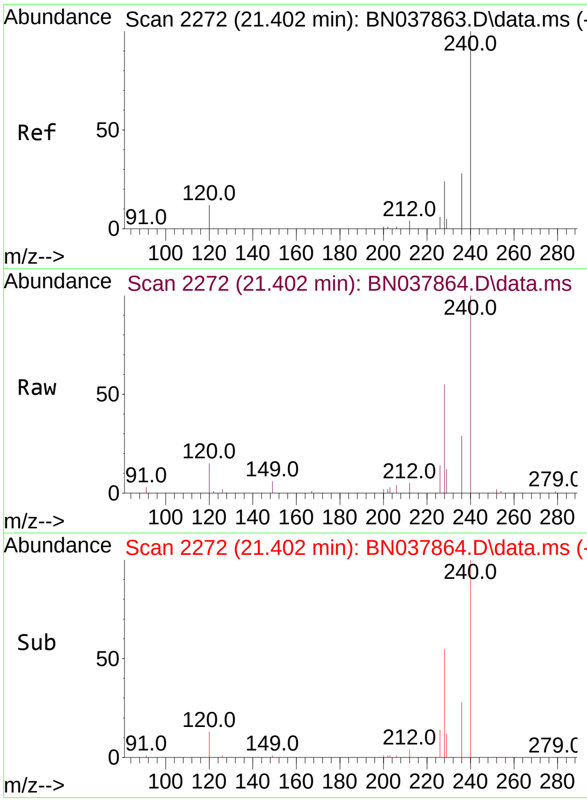
#28
Fluoranthene
Concen: 0.749 ng
RT: 19.285 min Scan# 1961
Delta R.T. -0.000 min
Lab File: BN037864.D
Acq: 23 Sep 2025 14:02

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



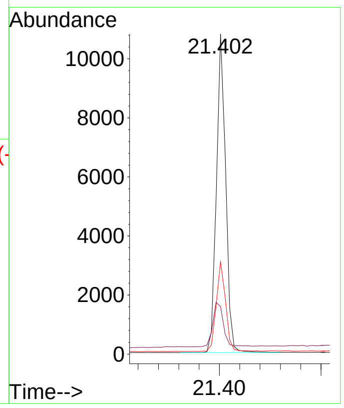
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

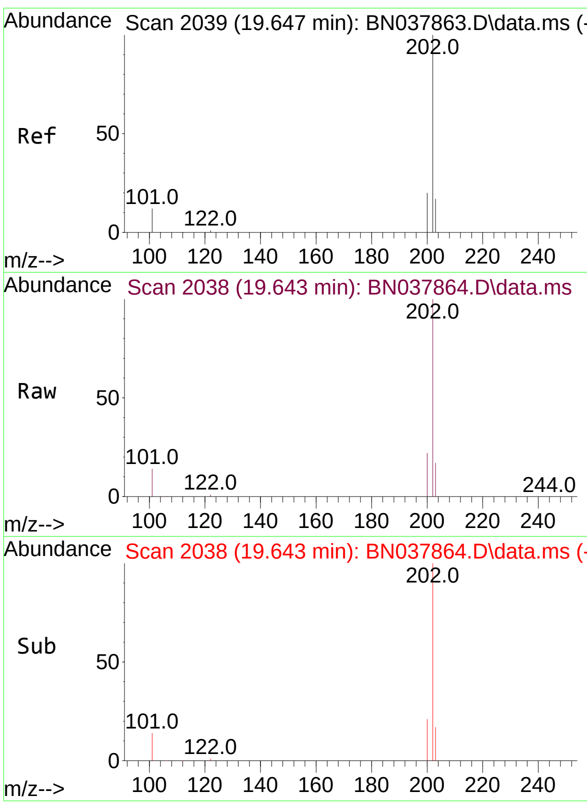


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.402 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037864.D
Acq: 23 Sep 2025 14:02

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

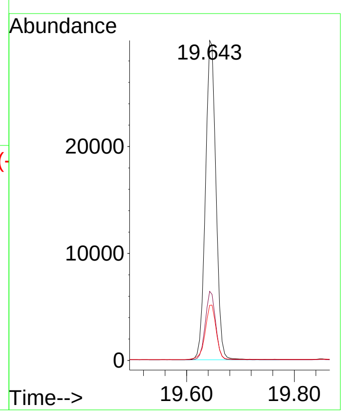




#30
Pyrene
Concen: 0.748 ng
RT: 19.643 min Scan# 2038
Delta R.T. -0.005 min
Lab File: BN037864.D
Acq: 23 Sep 2025 14:02

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



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

1
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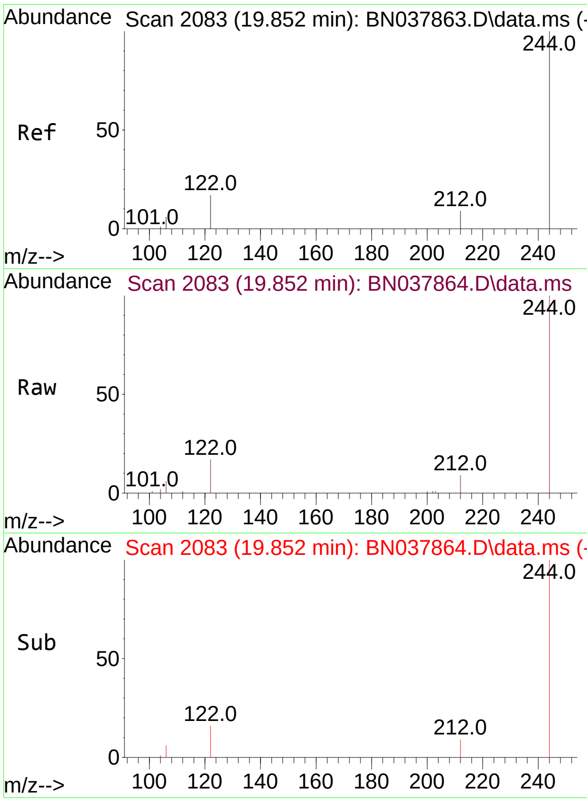
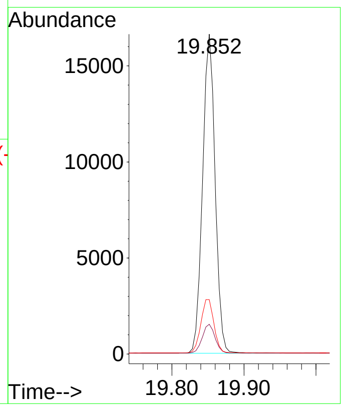
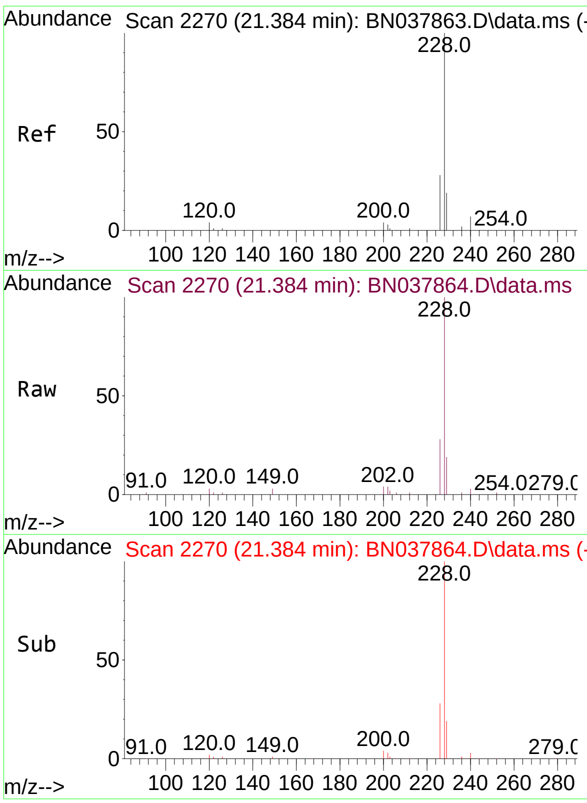


#31
Terphenyl-d14
Concen: 0.738 ng
RT: 19.852 min Scan# 20
Delta R.T. -0.000 min
Lab File: BN037864.D
Acq: 23 Sep 2025 14:02

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

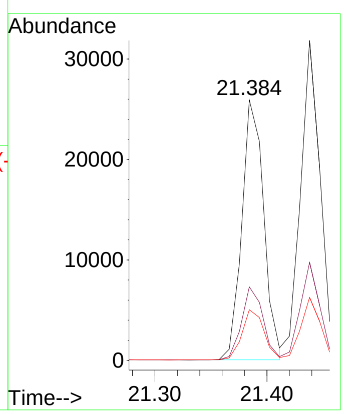




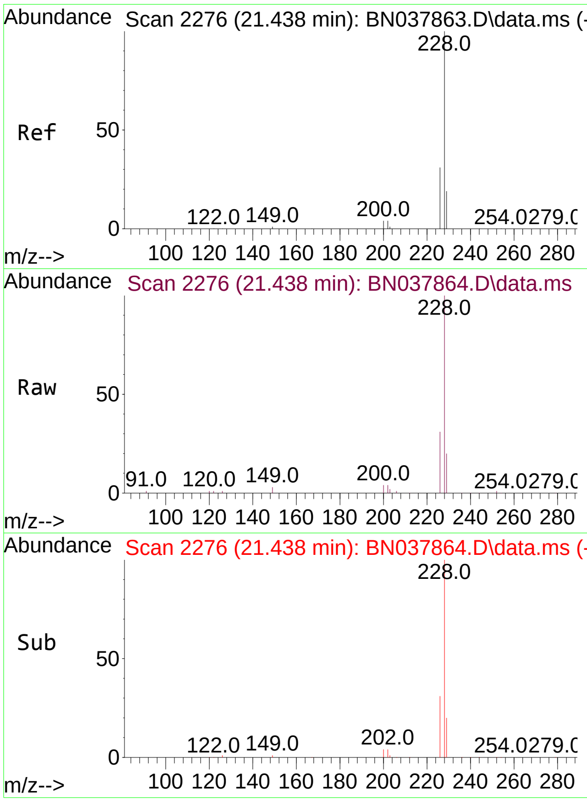
#32
Benzo(a)anthracene
Concen: 0.735 ng
RT: 21.384 min Scan# 2270
Delta R.T. -0.000 min
Lab File: BN037864.D
Acq: 23 Sep 2025 14:02

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



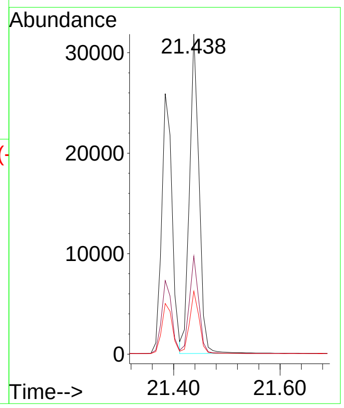
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

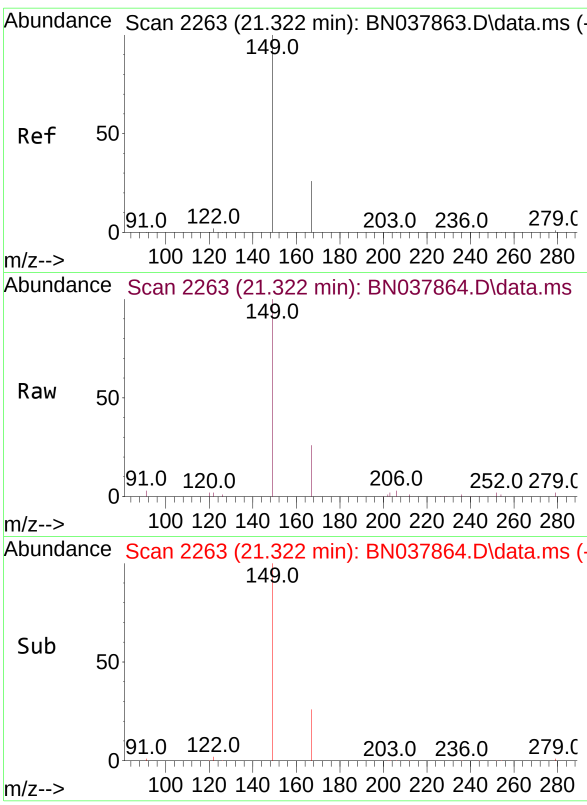


#33
Chrysene
Concen: 0.765 ng
RT: 21.438 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037864.D
Acq: 23 Sep 2025 14:02

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

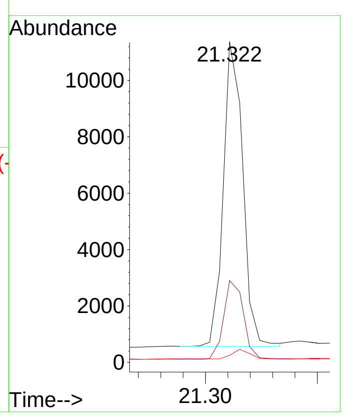




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.689 ng
RT: 21.322 min Scan# 2263
Delta R.T. -0.000 min
Lab File: BN037864.D
Acq: 23 Sep 2025 14:02

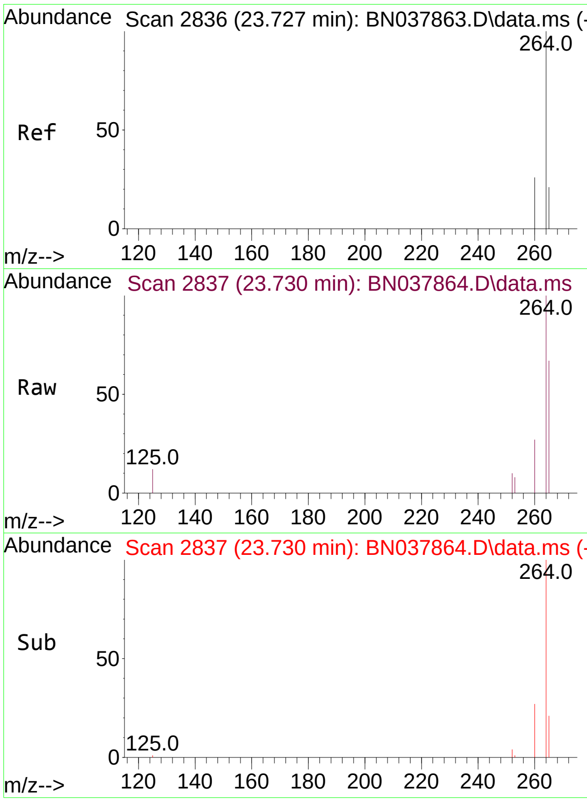
Tgt Ion:149 Resp: 13026

Ion	Ratio	Lower	Upper
149	100		
167	26.1	20.4	30.6
279	3.2	2.4	3.6



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

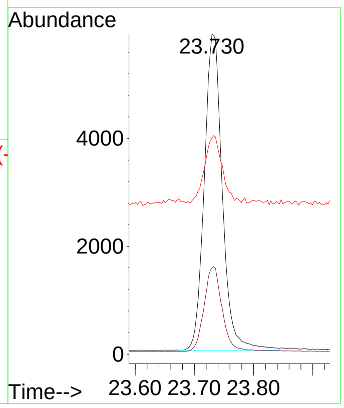
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

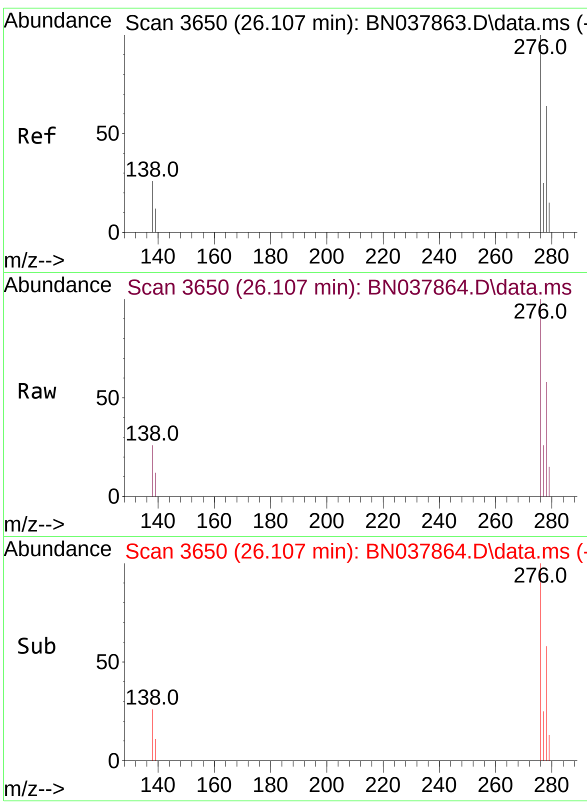


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.730 min Scan# 28
Delta R.T. 0.003 min
Lab File: BN037864.D
Acq: 23 Sep 2025 14:02

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

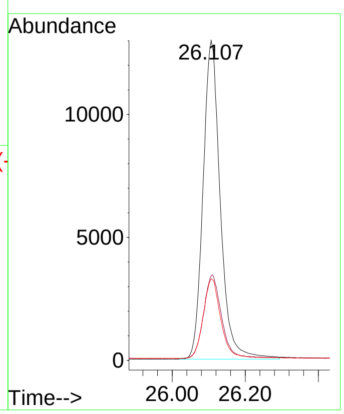




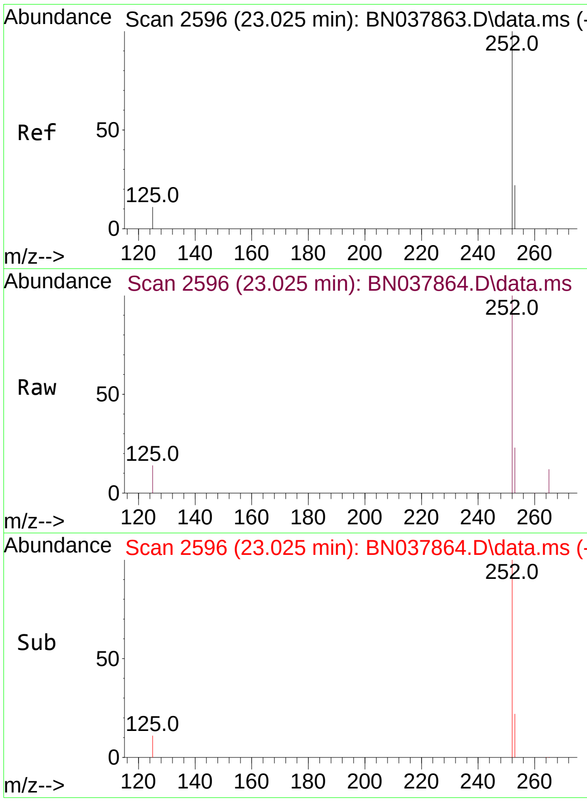
#36
Indeno(1,2,3-cd)pyrene
Concen: 0.747 ng
RT: 26.107 min Scan# 3650
Delta R.T. -0.000 min
Lab File: BN037864.D
Acq: 23 Sep 2025 14:02

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

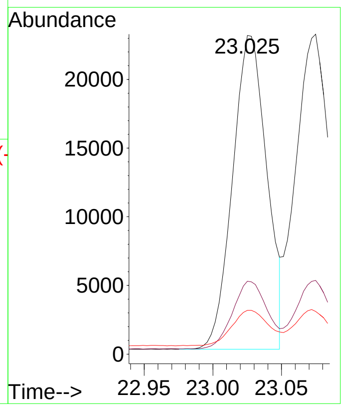


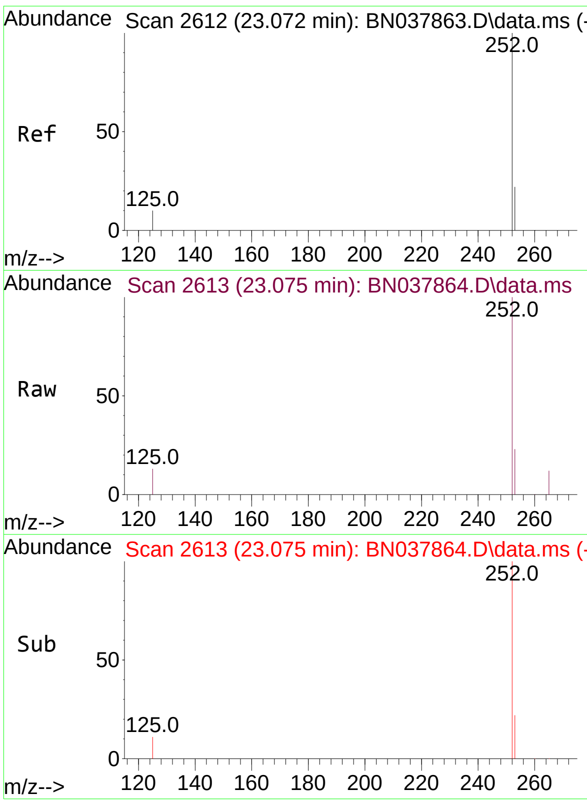
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8



#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

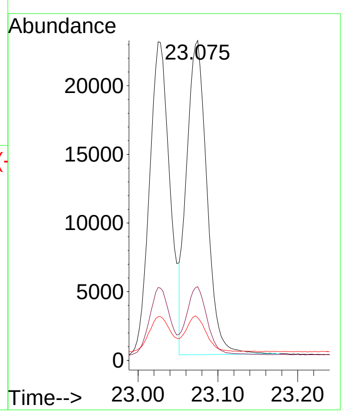
Tgt Ion:252	Resp:		39646
Ion	Ratio	Lower	Upper
252	100		
253	22.9	19.4	29.0
125	13.7	13.0	19.4

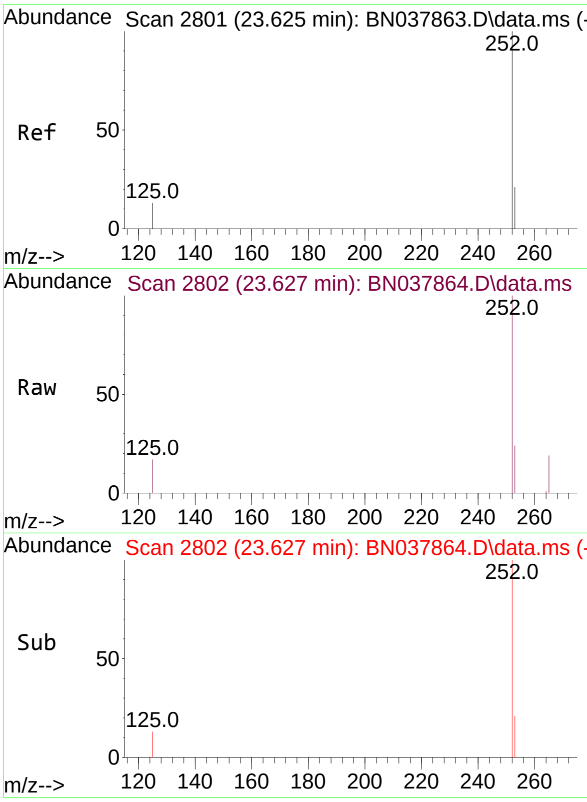




#38
Benzo(k)fluoranthene
Concen: 0.750 ng
RT: 23.075 min Scan# 2613
Delta R.T. 0.003 min
Lab File: BN037864.D
Acq: 23 Sep 2025 14:02

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



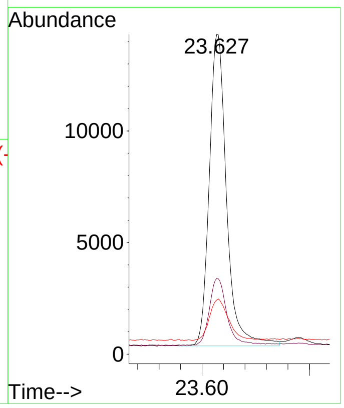


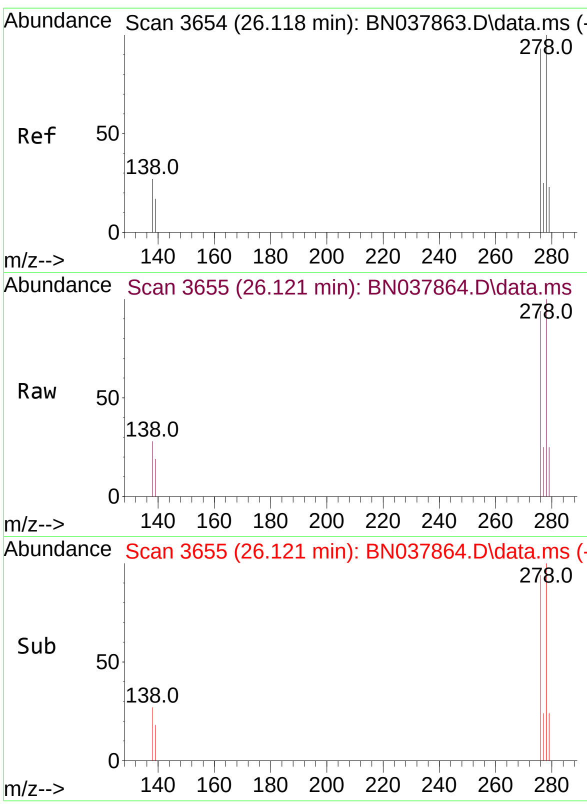
#39
Benzo(a)pyrene
Concen: 0.735 ng
RT: 23.627 min Scan# 28
Delta R.T. 0.003 min
Lab File: BN037864.D
Acq: 23 Sep 2025 14:02

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

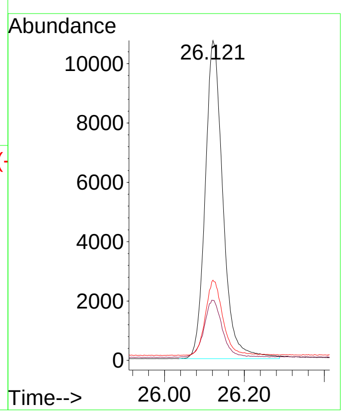


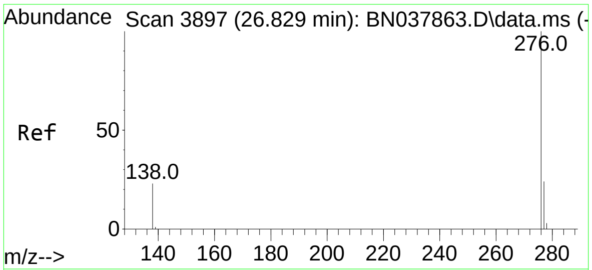


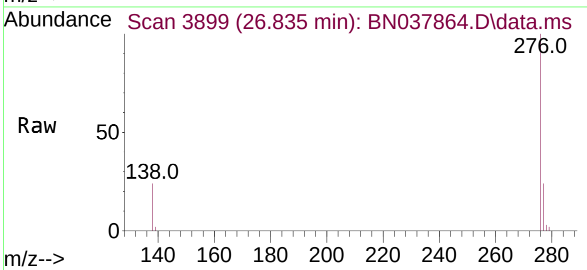
#40
Dibenzo(a,h)anthracene
Concen: 0.747 ng
RT: 26.121 min Scan# 3655
Delta R.T. 0.003 min
Lab File: BN037864.D
Acq: 23 Sep 2025 14:02

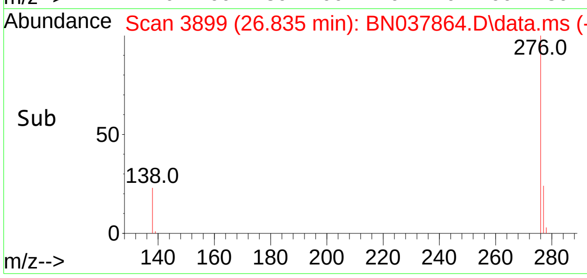
Tgt Ion:278 Resp: 33235

Ion	Ratio	Lower	Upper
278	100		
139	18.7	15.4	23.2
279	25.1	20.8	31.2







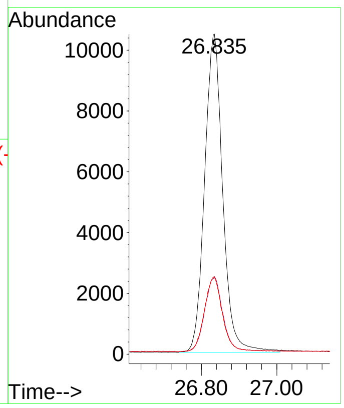


#41
Benzo(g,h,i)perylene
Concen: 0.745 ng
RT: 26.835 min Scan# 38
Delta R.T. 0.006 min
Lab File: BN037864.D
Acq: 23 Sep 2025 14:02

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



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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

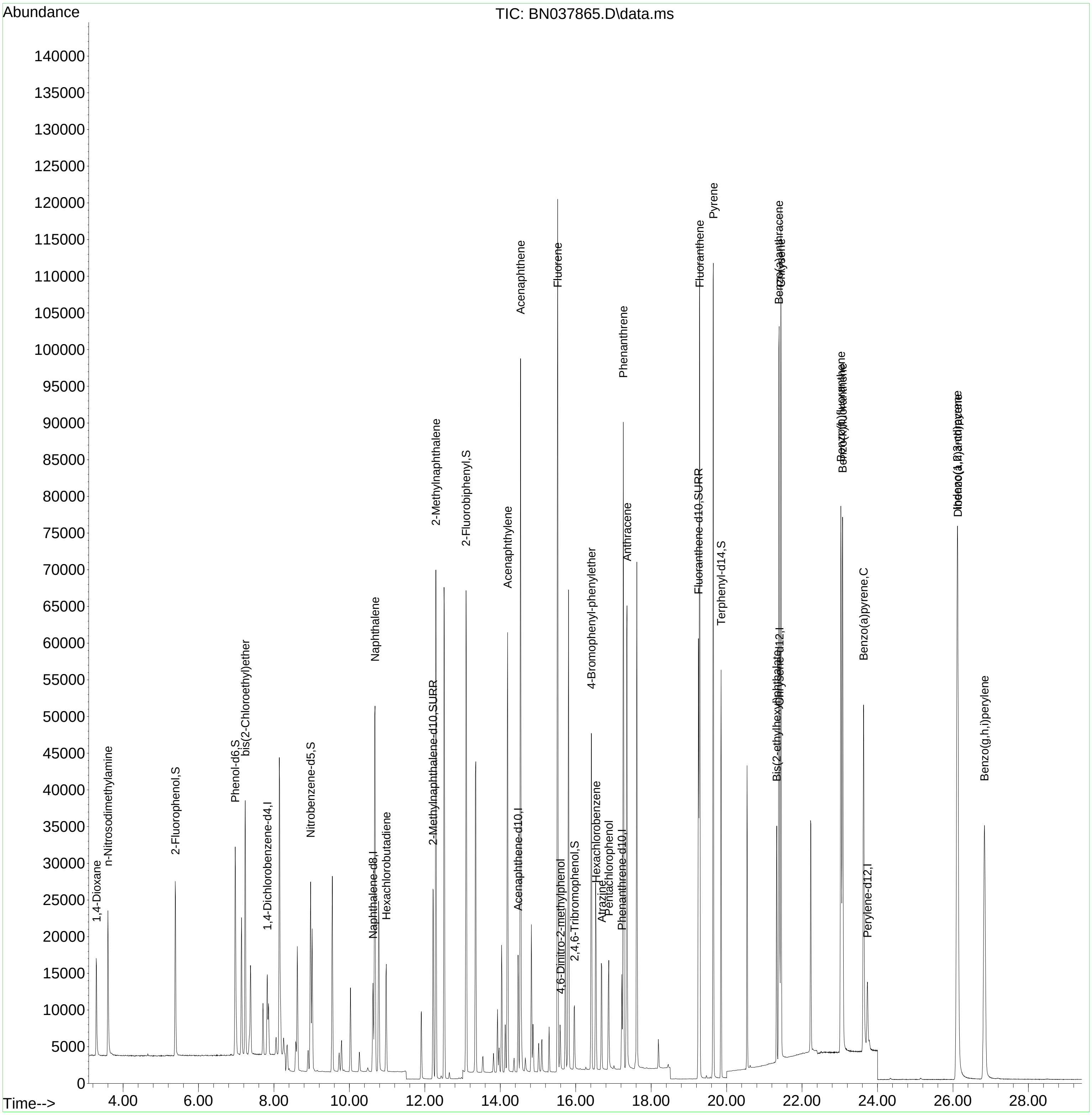
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.825	152	5367	0.400	ng		0.00
7) Naphthalene-d8	10.626	136	15494	0.400	ng		0.00
13) Acenaphthene-d10	14.473	164	8404	0.400	ng		0.00
19) Phenanthrene-d10	17.223	188	15875	0.400	ng		0.00
29) Chrysene-d12	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

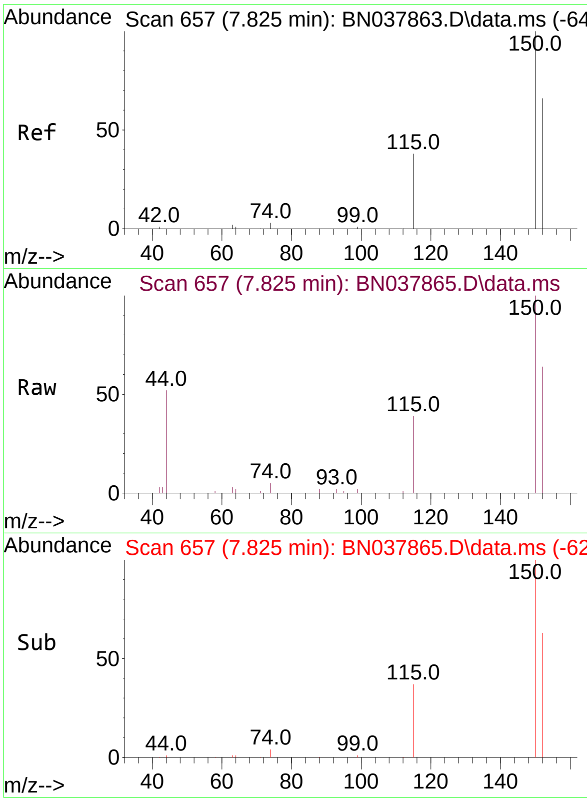
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092325\
Data File : BN037865.D
Acq On : 23 Sep 2025 14:38
Operator : RC/JU
Sample : SSTDICC1.6
Misc :
ALS Vial : 6 Sample Multiplier: 1

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



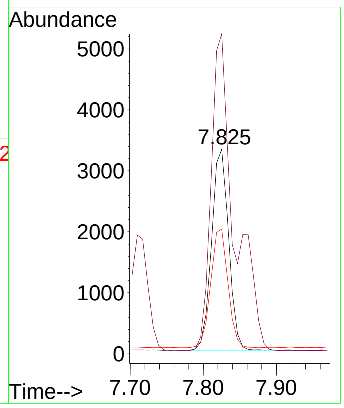
Instrument : BNA_N
ClientSampleId : SSTDICC1.6

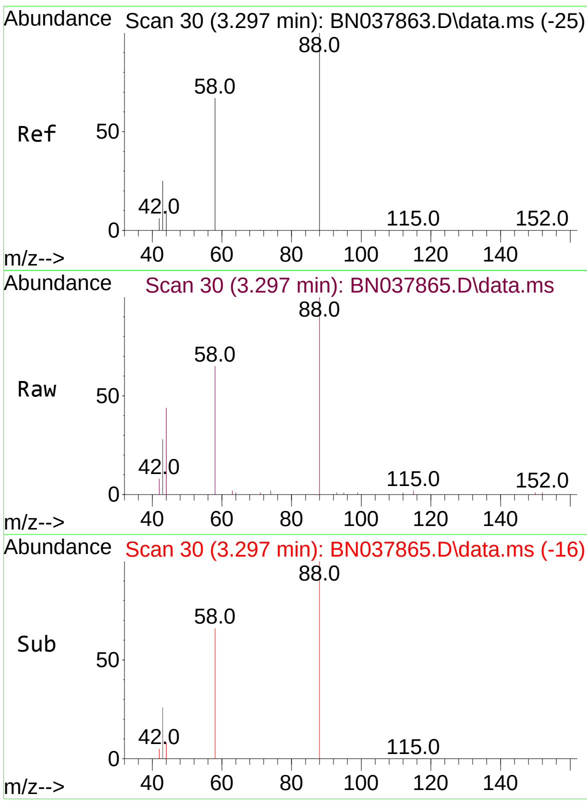


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.825 min Scan# 65
Delta R.T. 0.000 min
Lab File: BN037865.D
Acq: 23 Sep 2025 14:38

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

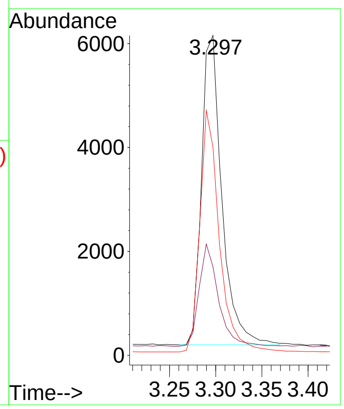




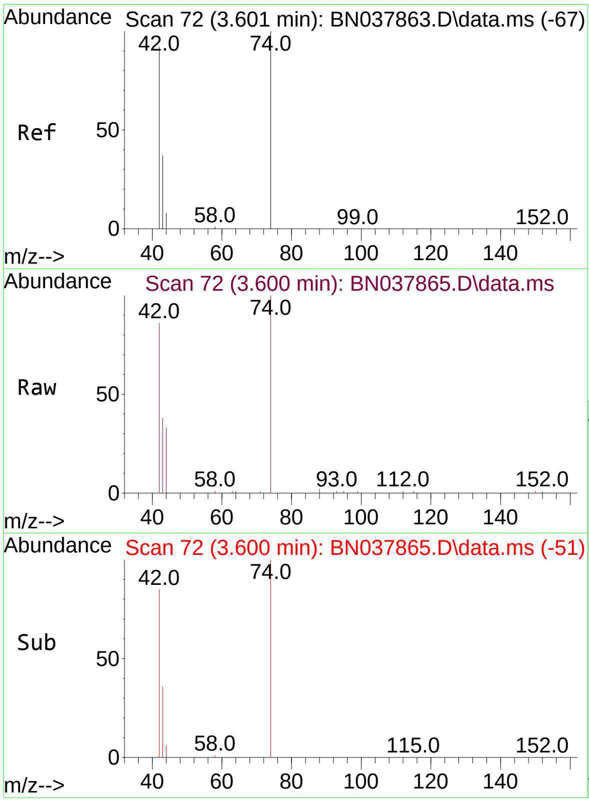
#2
1,4-Dioxane
Concen: 1.674 ng
RT: 3.297 min Scan# 30
Delta R.T. -0.000 min
Lab File: BN037865.D
Acq: 23 Sep 2025 14:38

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

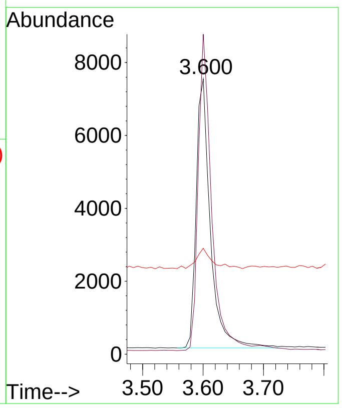


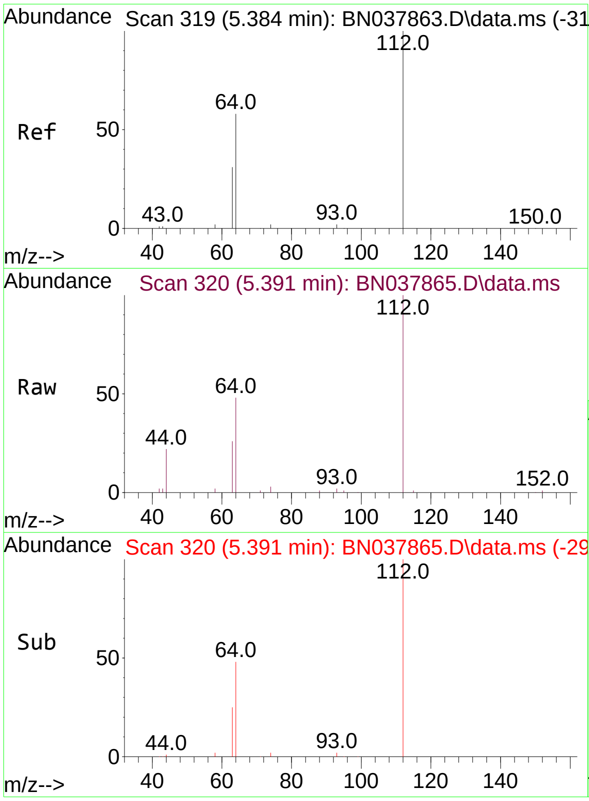
Instrument : BNA_N
ClientSampleId : SSTDICC1.6




```
#3
n-Nitrosodimethylamine
Concen:     1.662 ng
RT:    3.600 min   Scan# 72
Delta R.T.   -0.000 min
Lab File:    BN037865.D
Acq: 23 Sep 2025   14:38

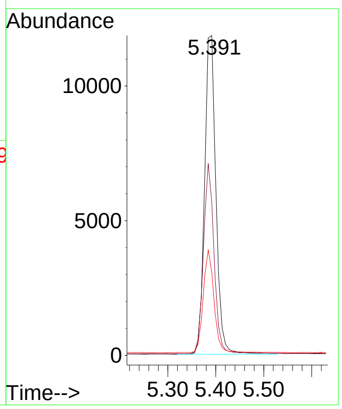
Tgt Ion: 42 Resp:    12048
Ion   Ratio   Lower   Upper
 42   100
 74   110.9    93.4   140.0
 44     8.4    22.2    33.4#
```



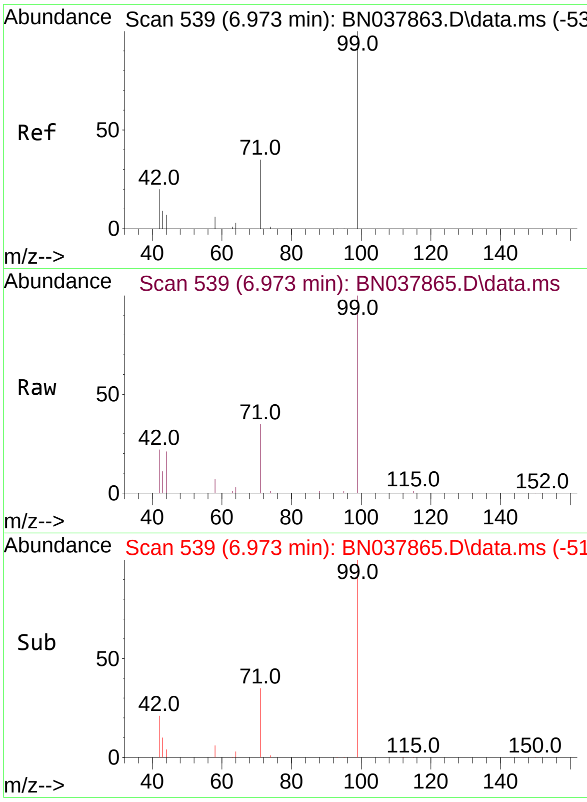



```
#4
2-Fluorophenol
Concen:     1.592 ng
RT:    5.391 min   Scan# 320
Delta R.T.   0.007 min
Lab File:    BN037865.D
Acq: 23 Sep 2025   14:38

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
```



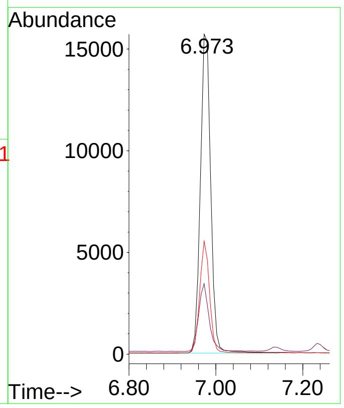
Instrument : BNA_N
ClientSampleId : SSTDICC1.6

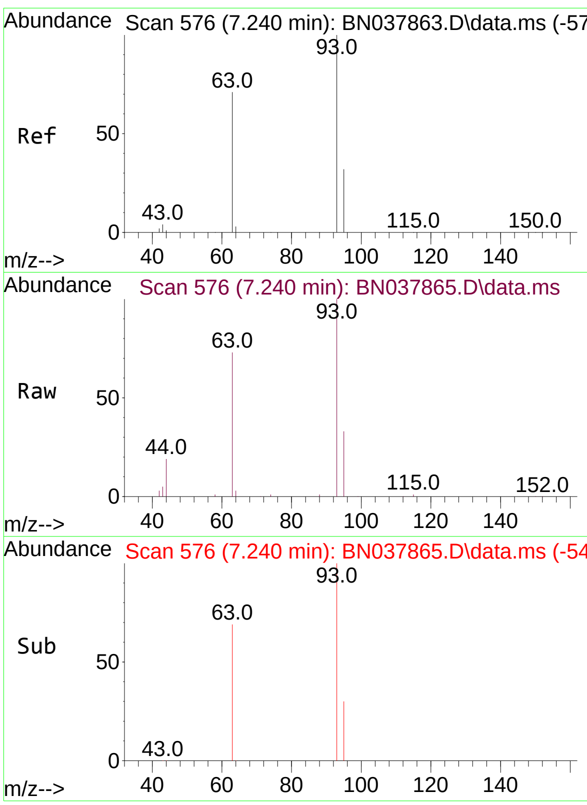


#5
Phenol-d6
Concen: 1.616 ng
RT: 6.973 min Scan# 539
Delta R.T. -0.000 min
Lab File: BN037865.D
Acq: 23 Sep 2025 14:38

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

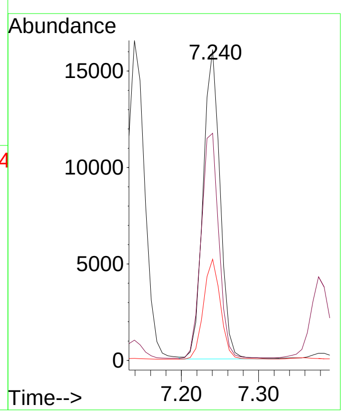




#6
bis(2-Chloroethyl)ether
Concen: 1.653 ng
RT: 7.240 min Scan# 576
Delta R.T. -0.000 min
Lab File: BN037865.D
Acq: 23 Sep 2025 14:38

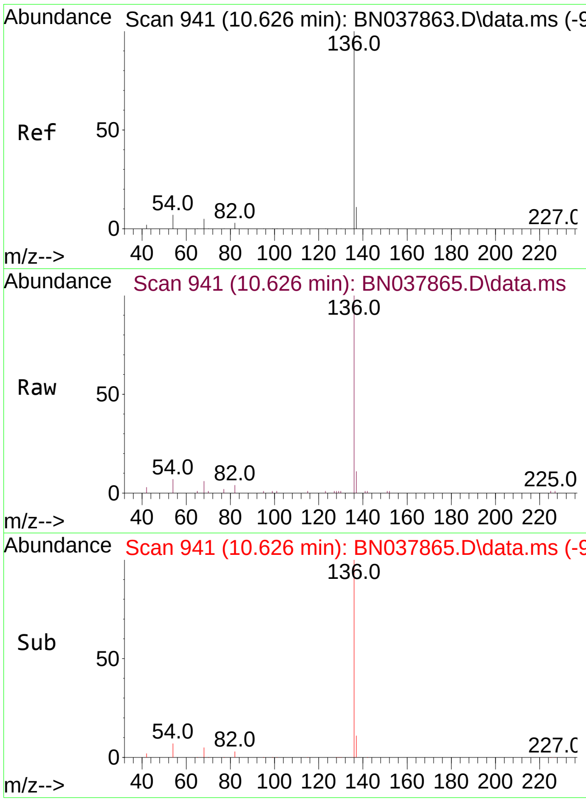
Tgt Ion: 93 Resp: 24687

Ion	Ratio	Lower	Upper
93	100		
63	75.4	60.1	90.1
95	32.1	25.4	38.2



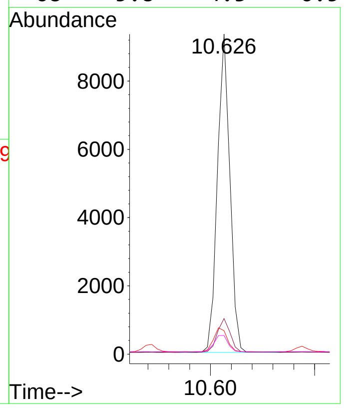
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

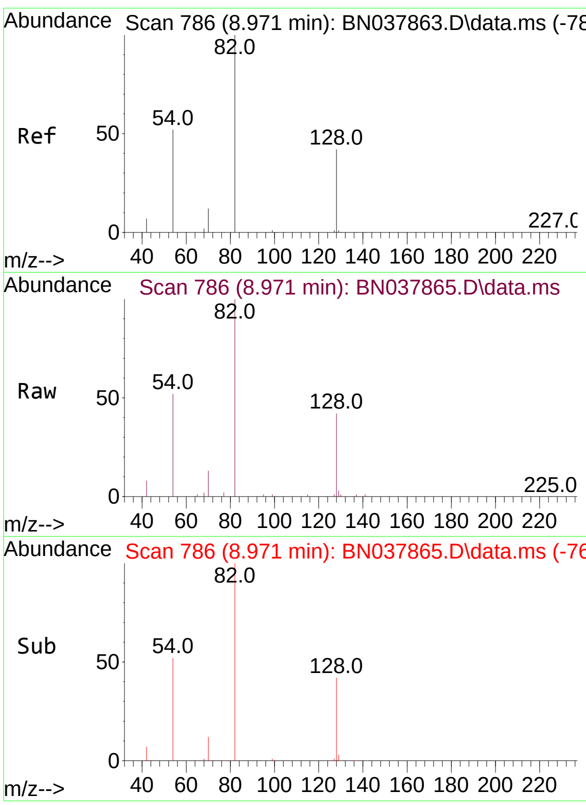
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6




```
#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

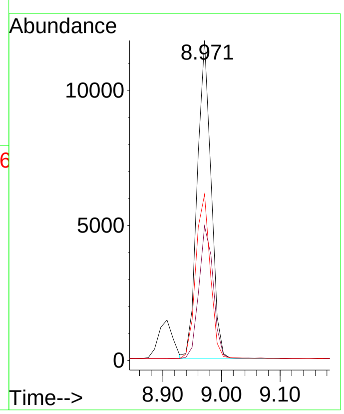
Tgt Ion:136 Resp:   15494
Ion  Ratio  Lower  Upper
136  100
137   11.1    9.0   13.4
 54    7.3    5.8    8.8
 68    5.8    4.3    6.5
```



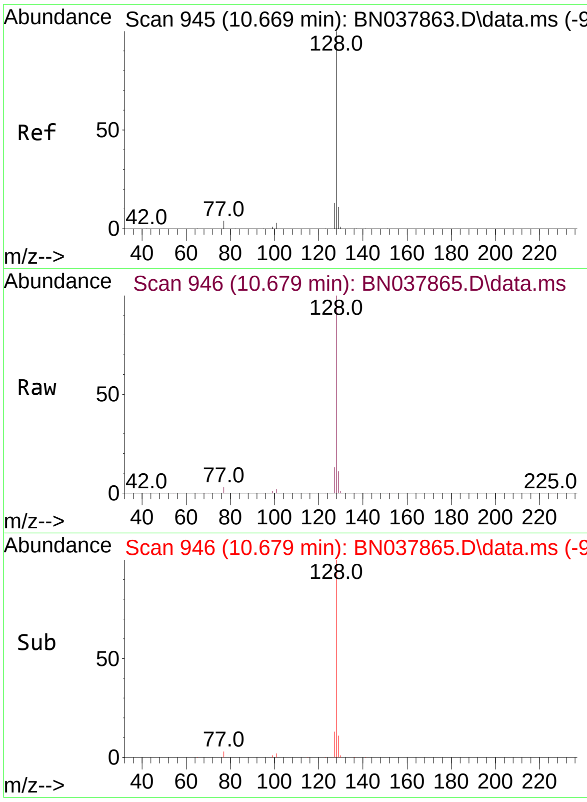



```
#8
Nitrobenzene-d5
Concen:    1.627 ng
RT:   8.971 min  Scan# 786
Delta R.T.  -0.000 min
Lab File:   BN037865.D
Acq: 23 Sep 2025  14:38

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
```



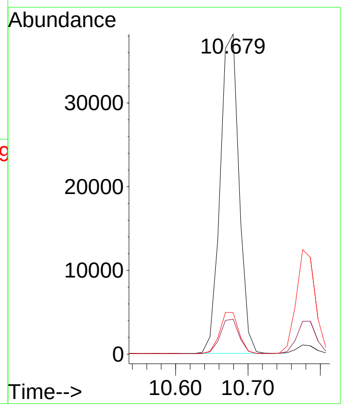
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

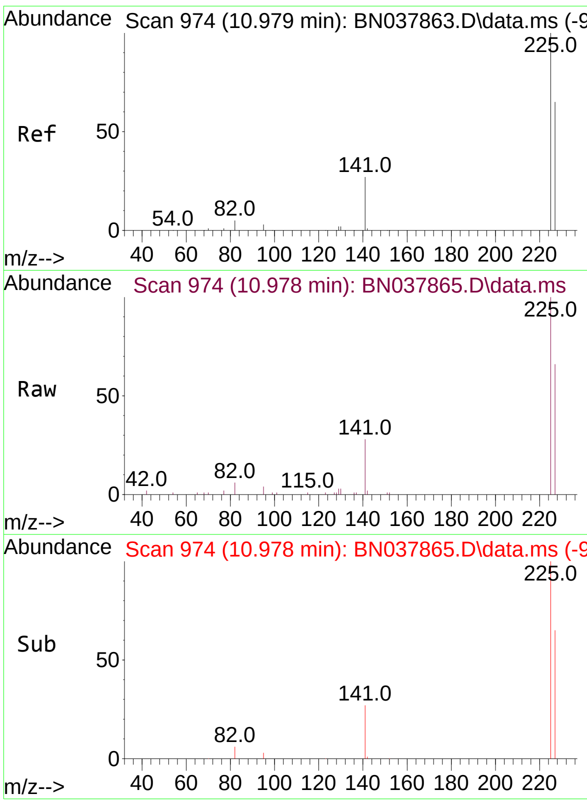


#9
Naphthalene
Concen: 1.631 ng
RT: 10.679 min Scan# 94
Delta R.T. 0.010 min
Lab File: BN037865.D
Acq: 23 Sep 2025 14:38

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

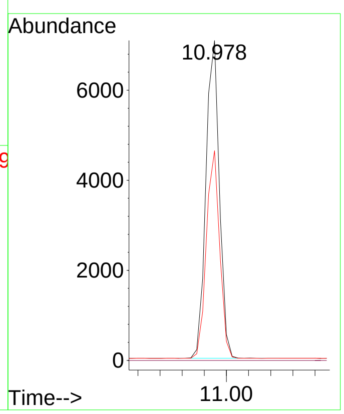




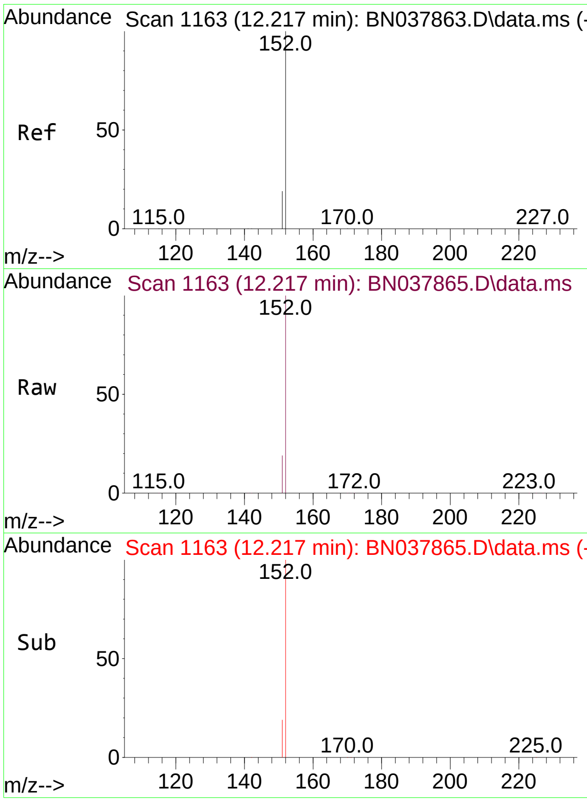
#10
Hexachlorobutadiene
Concen: 1.634 ng
RT: 10.978 min Scan# 974
Delta R.T. -0.000 min
Lab File: BN037865.D
Acq: 23 Sep 2025 14:38

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



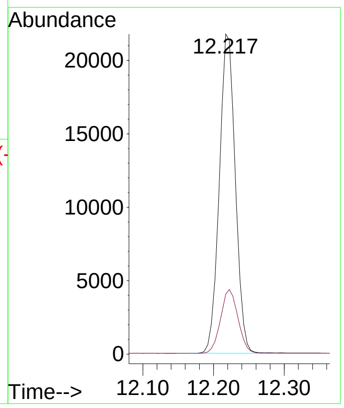
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

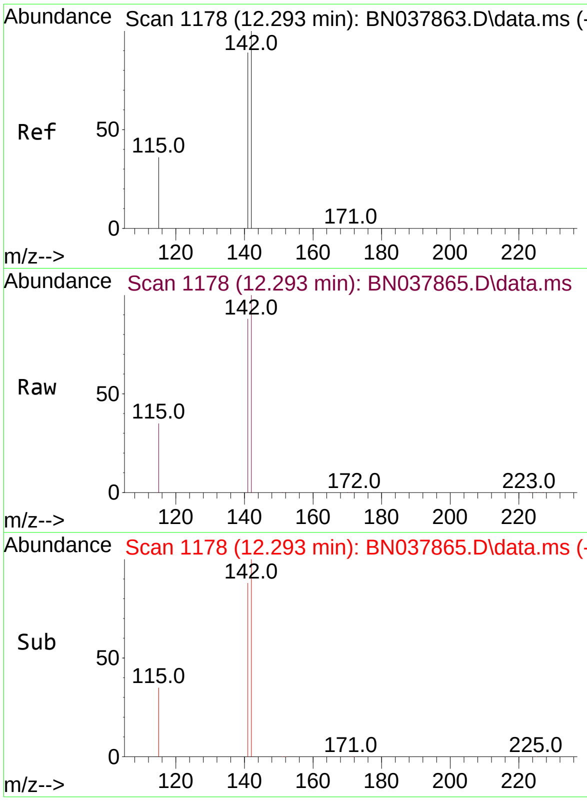


#11
2-Methylnaphthalene-d10
Concen: 1.592 ng
RT: 12.217 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN037865.D
Acq: 23 Sep 2025 14:38

Tgt Ion:152 Resp: 34256

Ion	Ratio	Lower	Upper
152	100		
151	21.7	17.4	26.2

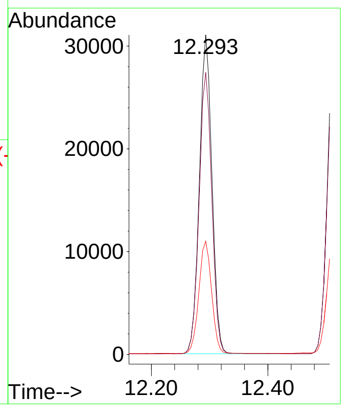




#12
2-Methylnaphthalene
Concen: 1.675 ng
RT: 12.293 min Scan# 1178
Delta R.T. -0.000 min
Lab File: BN037865.D
Acq: 23 Sep 2025 14:38

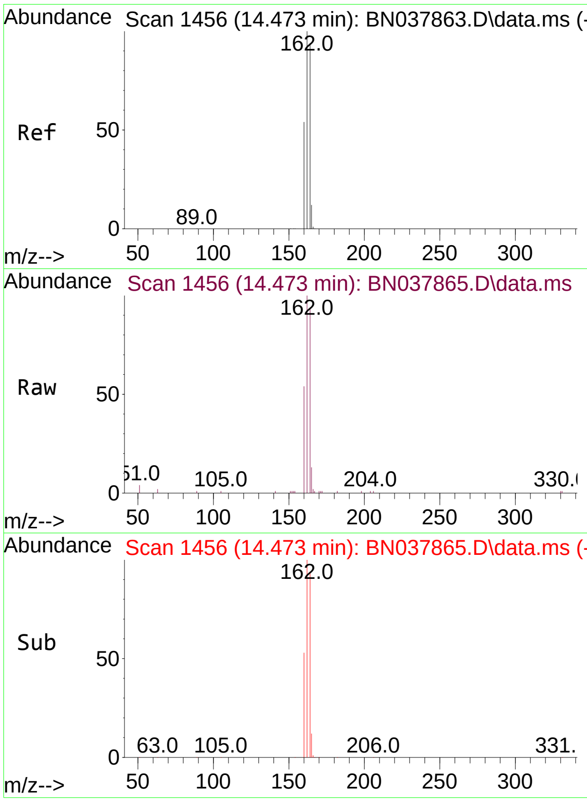
Tgt Ion:142 Resp: 46704

Ion	Ratio	Lower	Upper
142	100		
141	88.2	71.2	106.8
115	35.4	29.7	44.5



Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

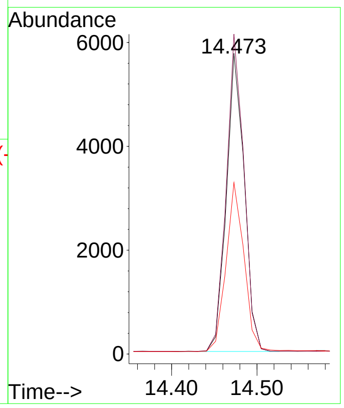
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

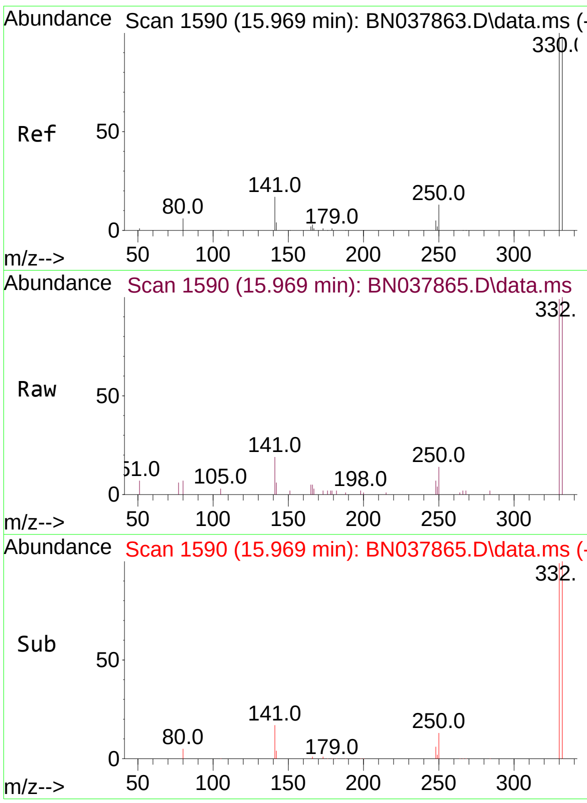


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.473 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN037865.D
Acq: 23 Sep 2025 14:38

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

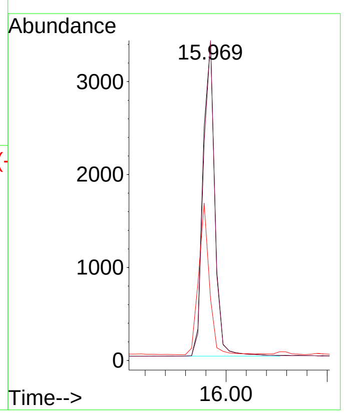




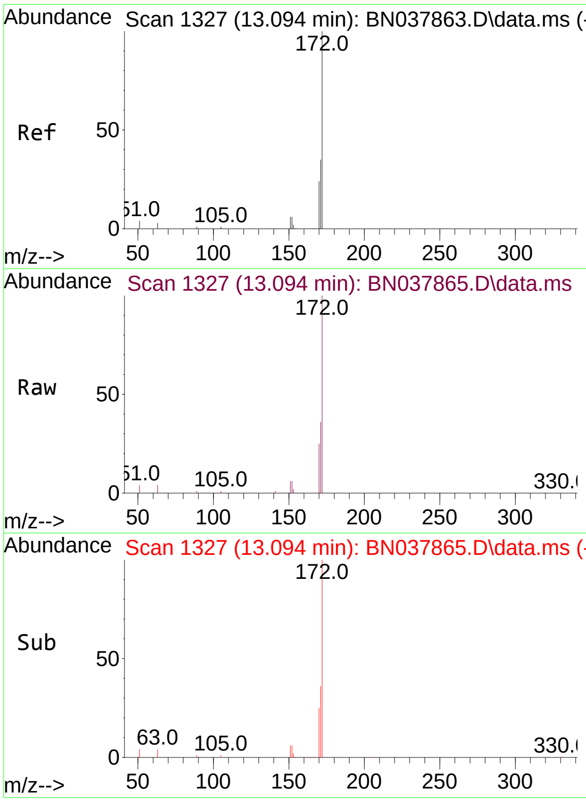
#14
2,4,6-Tribromophenol
Concen: 1.613 ng
RT: 15.969 min Scan# 1590
Delta R.T. -0.000 min
Lab File: BN037865.D
Acq: 23 Sep 2025 14:38

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



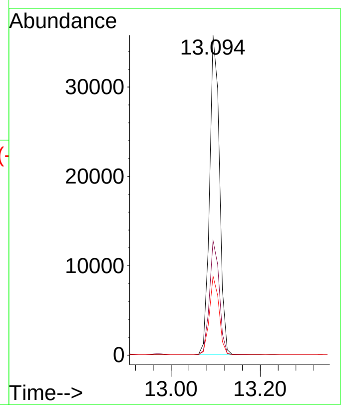
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

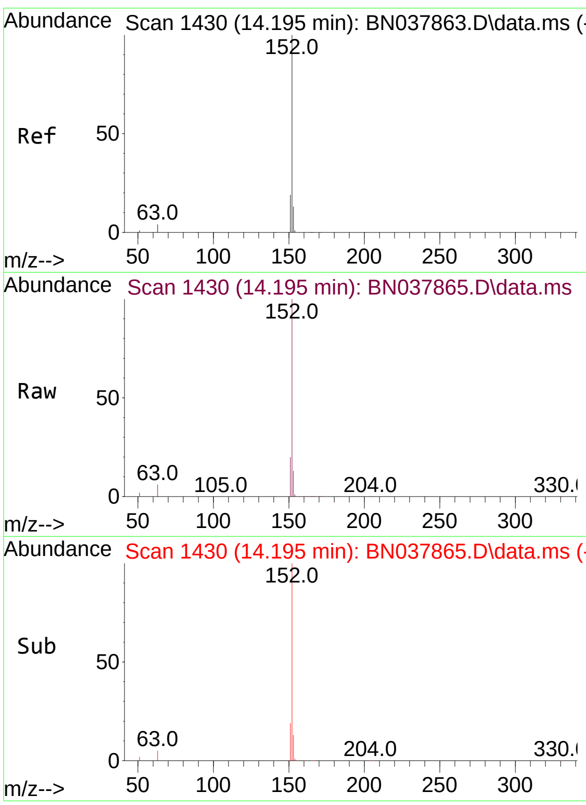


#15
2-Fluorobiphenyl
Concen: 1.616 ng
RT: 13.094 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BN037865.D
Acq: 23 Sep 2025 14:38

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

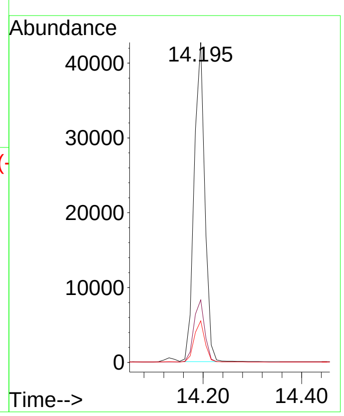




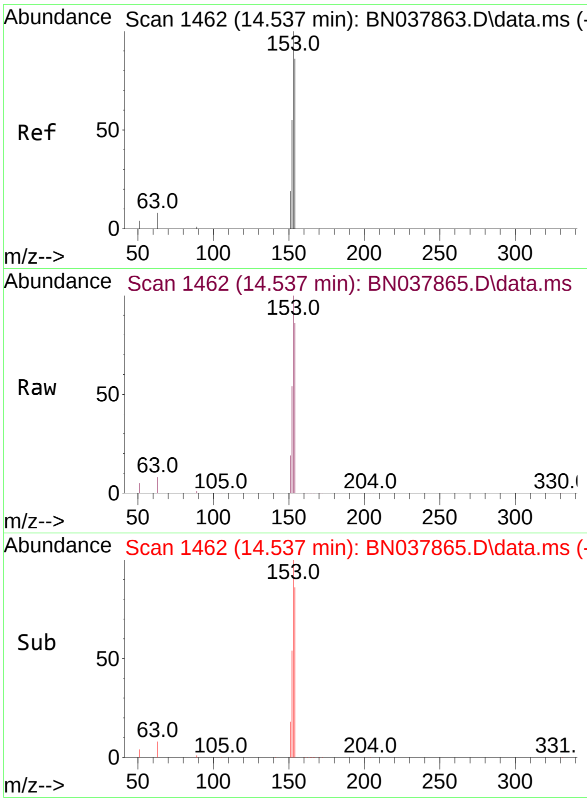
#16
Acenaphthylene
Concen: 1.680 ng
RT: 14.195 min Scan# 1430
Delta R.T. -0.000 min
Lab File: BN037865.D
Acq: 23 Sep 2025 14:38

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



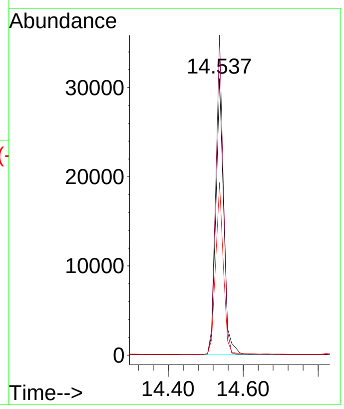
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

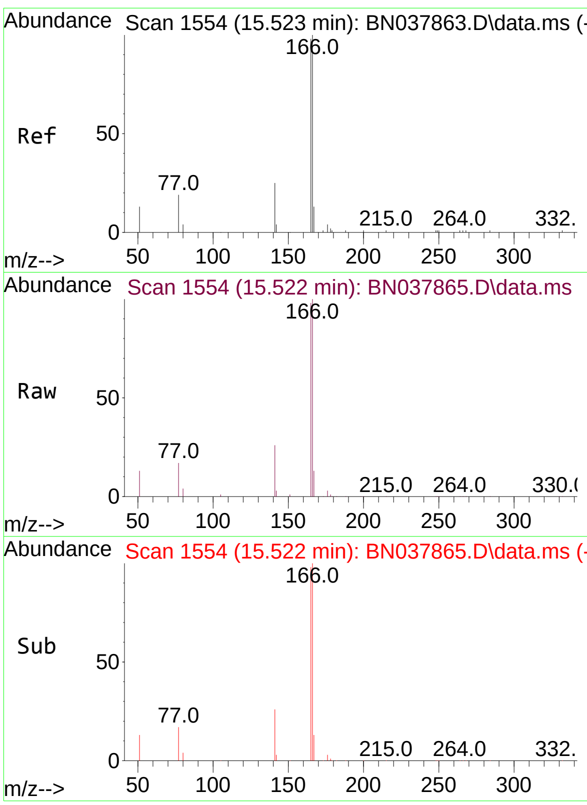


#17
Acenaphthene
Concen: 1.670 ng
RT: 14.537 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN037865.D
Acq: 23 Sep 2025 14:38

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

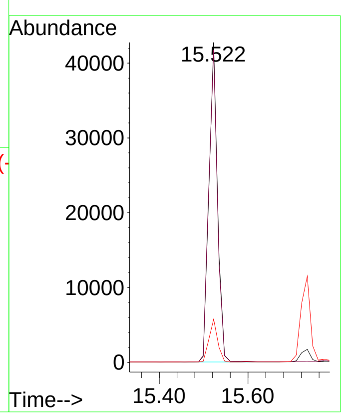


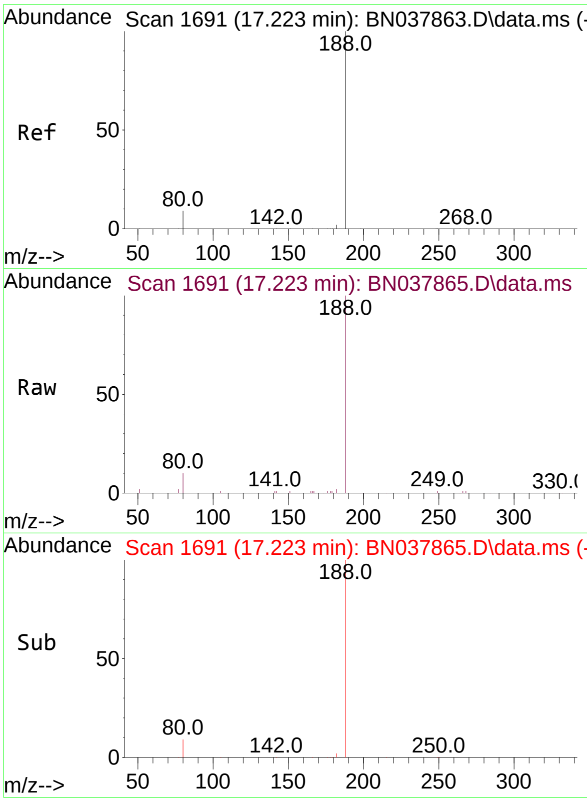


#18
Fluorene
Concen: 1.701 ng
RT: 15.522 min Scan# 1554
Delta R.T. -0.000 min
Lab File: BN037865.D
Acq: 23 Sep 2025 14:38

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



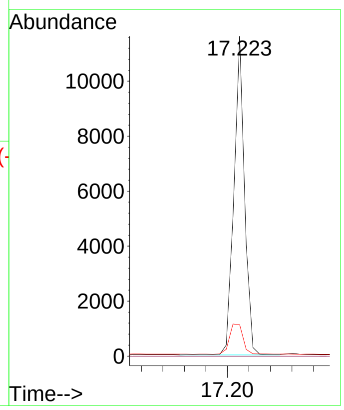


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.223 min Scan# 16
Delta R.T. -0.000 min
Lab File: BN037865.D
Acq: 23 Sep 2025 14:38

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



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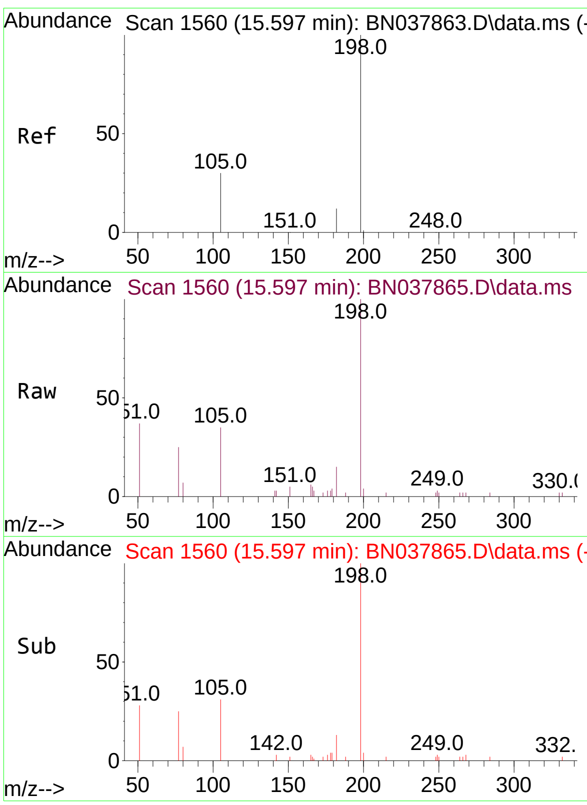
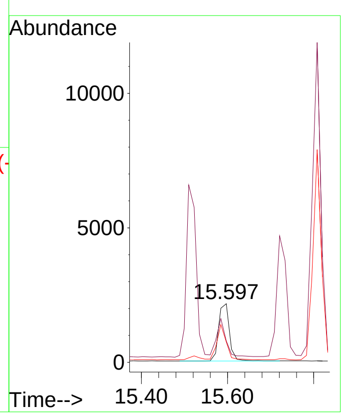


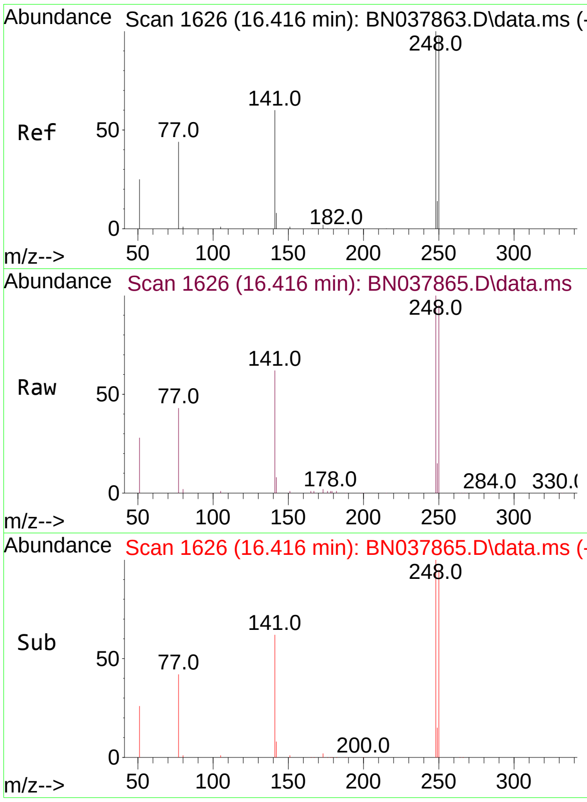
#20
4,6-Dinitro-2-methylphenol
Concen: 1.602 ng
RT: 15.597 min Scan# 1560
Delta R.T. -0.000 min
Lab File: BN037865.D
Acq: 23 Sep 2025 14:38

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#



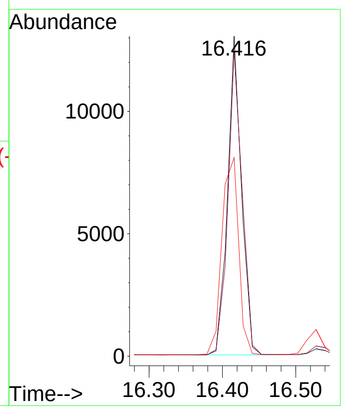
Instrument : BNA_N
ClientSampleId : SSTDICC1.6

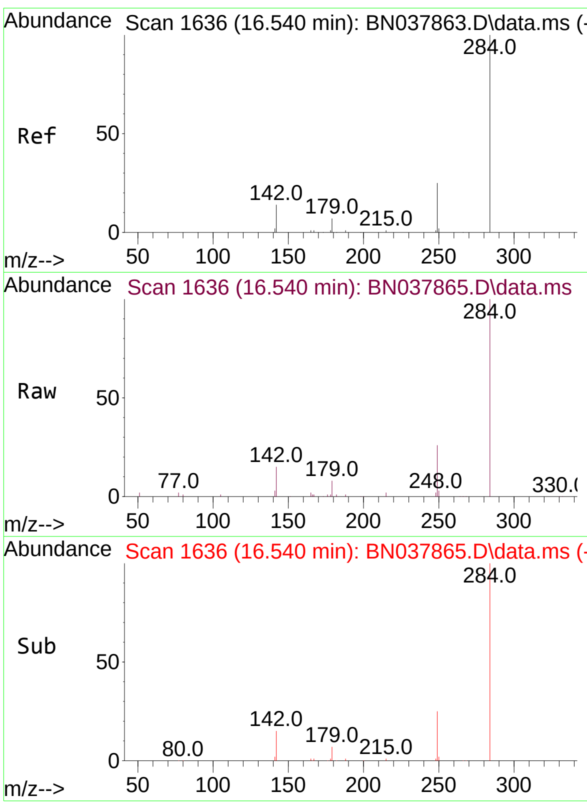


#21
4-Bromophenyl-phenylether
Concen: 1.670 ng
RT: 16.416 min Scan# 16
Delta R.T. -0.000 min
Lab File: BN037865.D
Acq: 23 Sep 2025 14:38

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

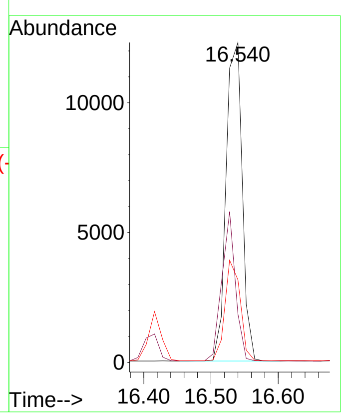




#22
Hexachlorobenzene
Concen: 1.638 ng
RT: 16.540 min Scan# 1636
Delta R.T. -0.000 min
Lab File: BN037865.D
Acq: 23 Sep 2025 14:38

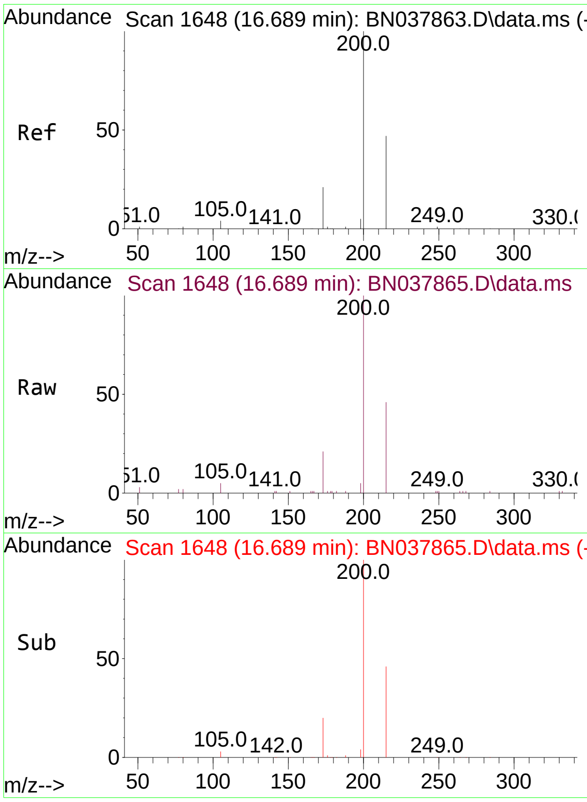
Tgt Ion:284 Resp: 20548

Ion	Ratio	Lower	Upper
284	100		
142	39.6	30.9	46.3
249	29.9	23.9	35.9



Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

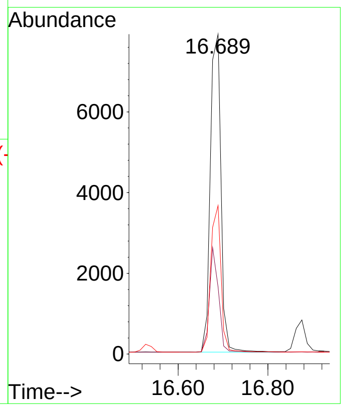
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

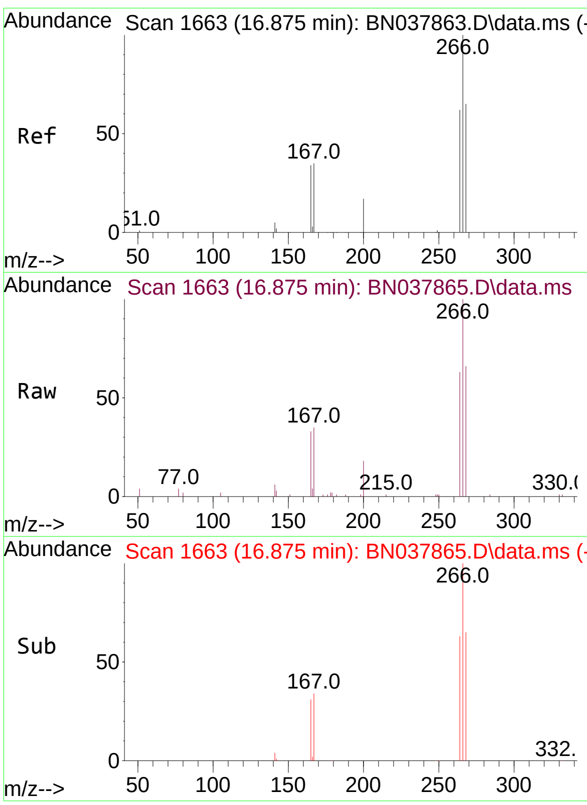


#23
Atrazine
Concen: 1.656 ng
RT: 16.689 min Scan# 16
Delta R.T. -0.000 min
Lab File: BN037865.D
Acq: 23 Sep 2025 14:38

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

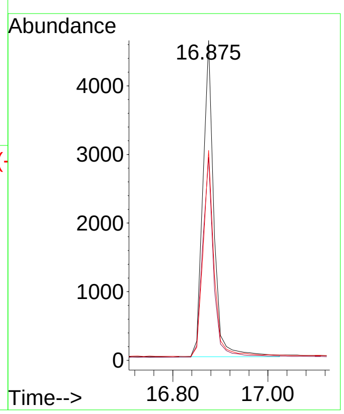




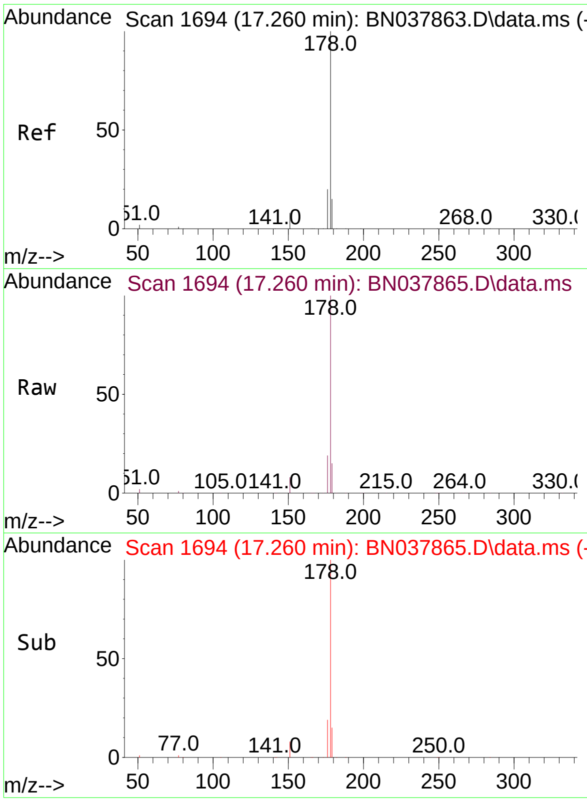
#24
Pentachlorophenol
Concen: 1.718 ng
RT: 16.875 min Scan# 1663
Delta R.T. 0.000 min
Lab File: BN037865.D
Acq: 23 Sep 2025 14:38

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



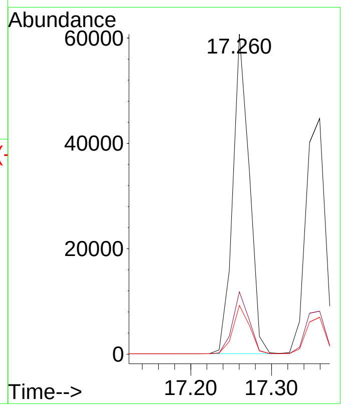
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

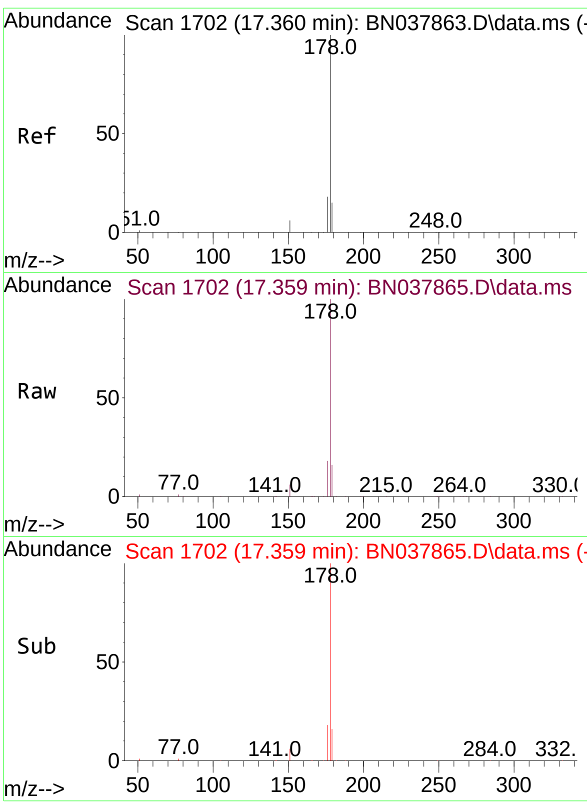


#25
Phenanthrene
Concen: 1.650 ng
RT: 17.260 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037865.D
Acq: 23 Sep 2025 14:38

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

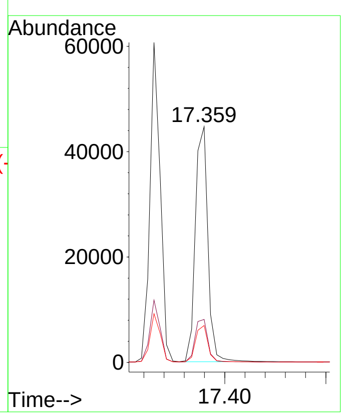




#26
Anthracene
Concen: 1.693 ng
RT: 17.359 min Scan# 1702
Delta R.T. -0.000 min
Lab File: BN037865.D
Acq: 23 Sep 2025 14:38

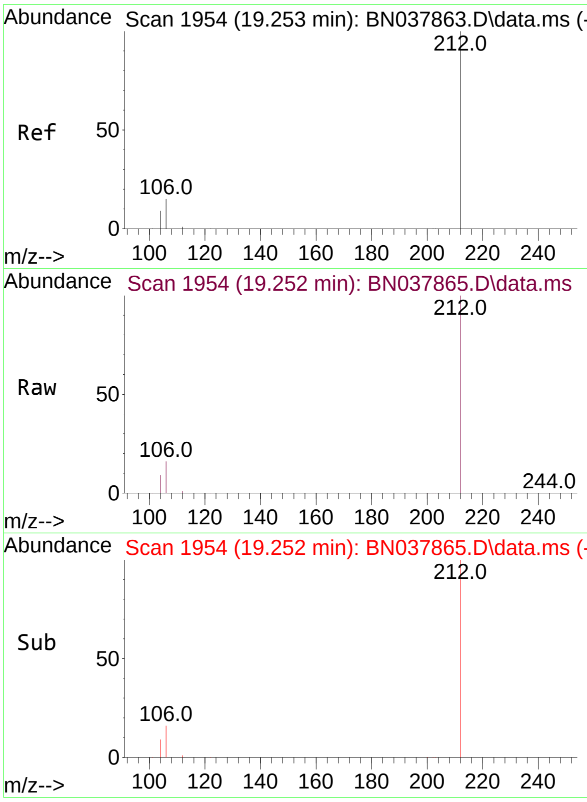
Tgt Ion:178 Resp: 76744

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.0	22.4
179	15.3	12.3	18.5



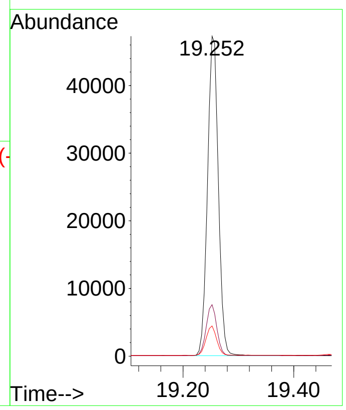
Instrument : BNA_N
ClientSampleId : SSTDICC1.6

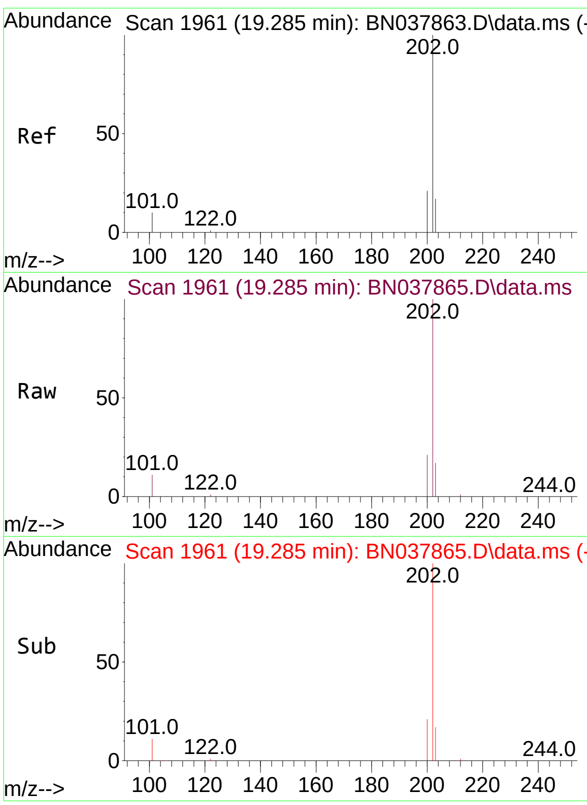
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17




```
#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

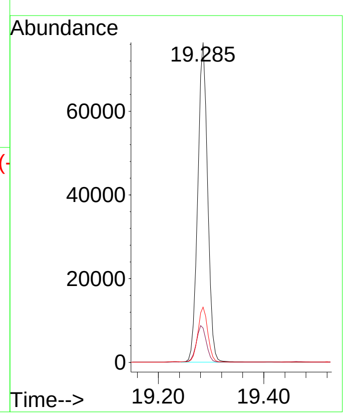
Tgt Ion:212 Resp:   63771
Ion  Ratio  Lower  Upper
212  100
106   15.8   12.6   19.0
104    9.1    7.4   11.0
```



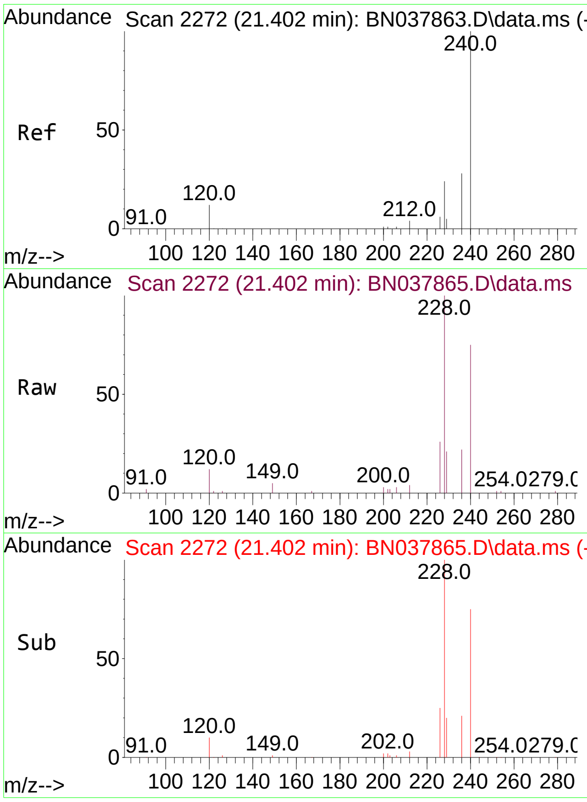



```
#28
Fluoranthene
Concen:    1.717 ng
RT:  19.285 min  Scan# 1961
Delta R.T.  -0.000 min
Lab File:   BN037865.D
Acq: 23 Sep 2025  14:38

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
```



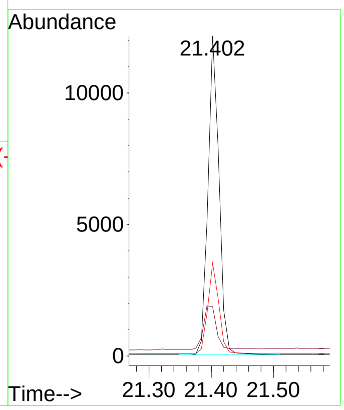
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

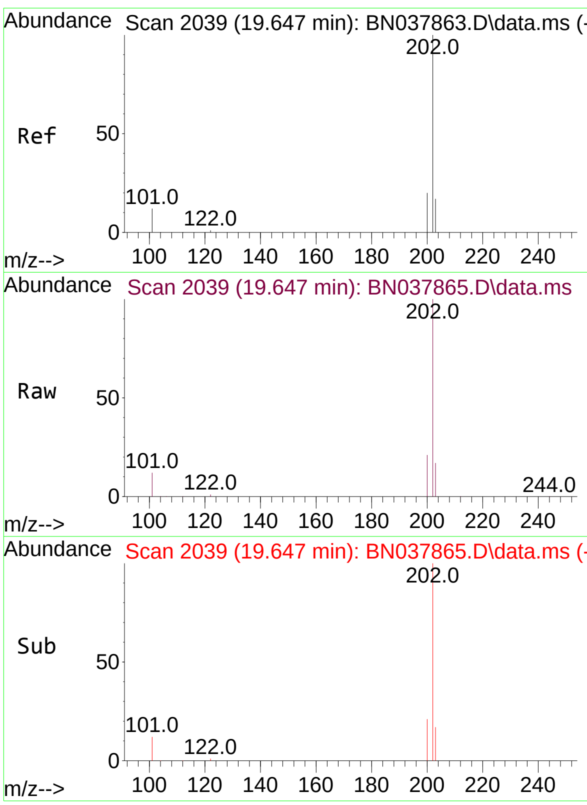


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.402 min Scan# 2
Delta R.T.   -0.000 min
Lab File: BN037865.D
Acq: 23 Sep 2025   14:38

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

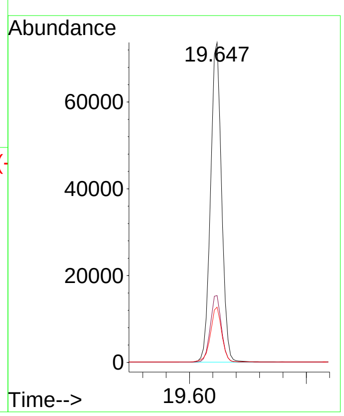




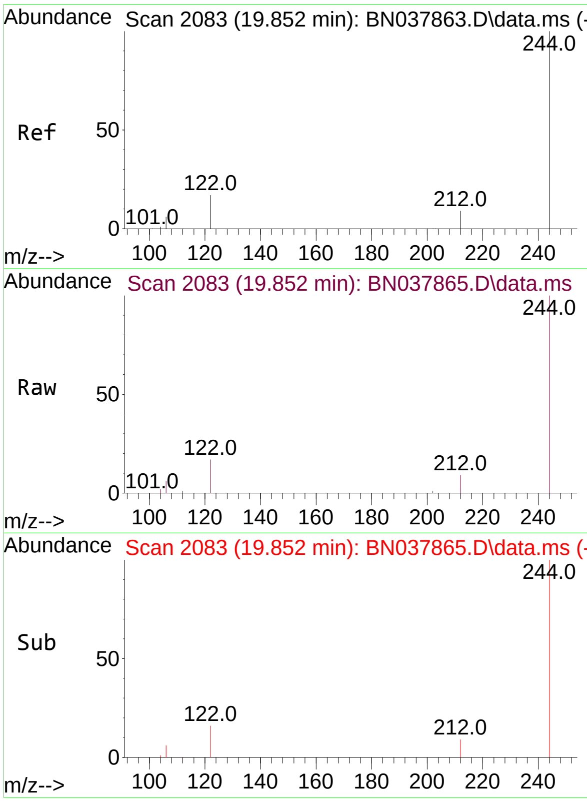
#30
Pyrene
Concen: 1.628 ng
RT: 19.647 min Scan# 2039
Delta R.T.   -0.000 min
Lab File: BN037865.D
Acq: 23 Sep 2025   14:38

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



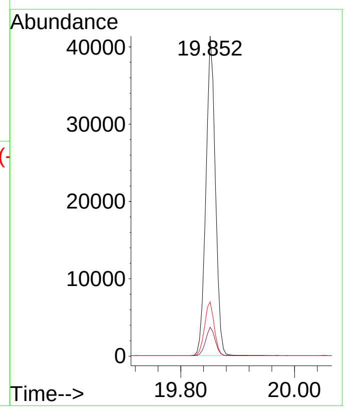
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

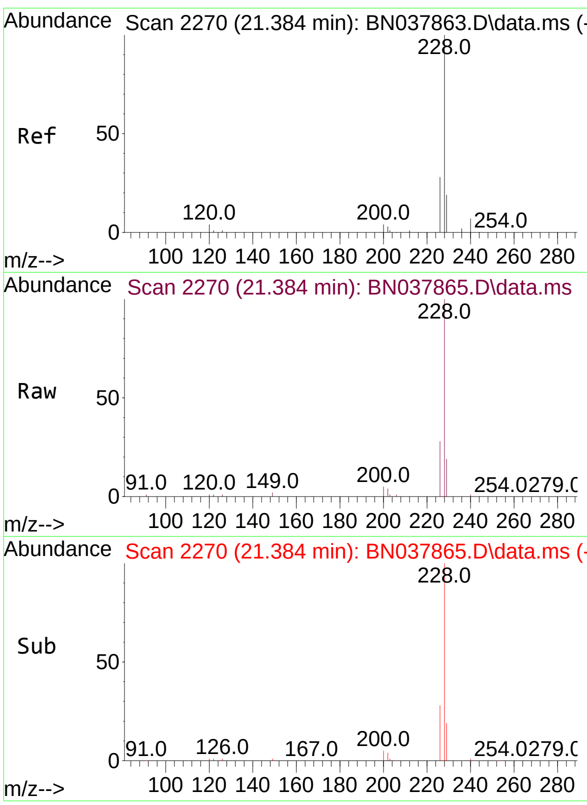


#31
Terphenyl-d14
Concen: 1.603 ng
RT: 19.852 min Scan# 20
Delta R.T. -0.000 min
Lab File: BN037865.D
Acq: 23 Sep 2025 14:38

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

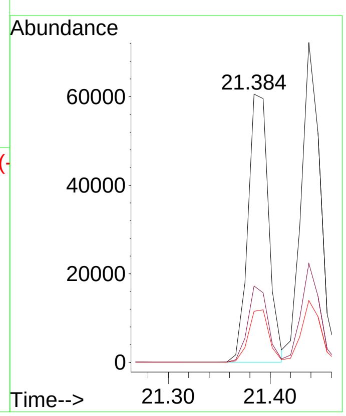




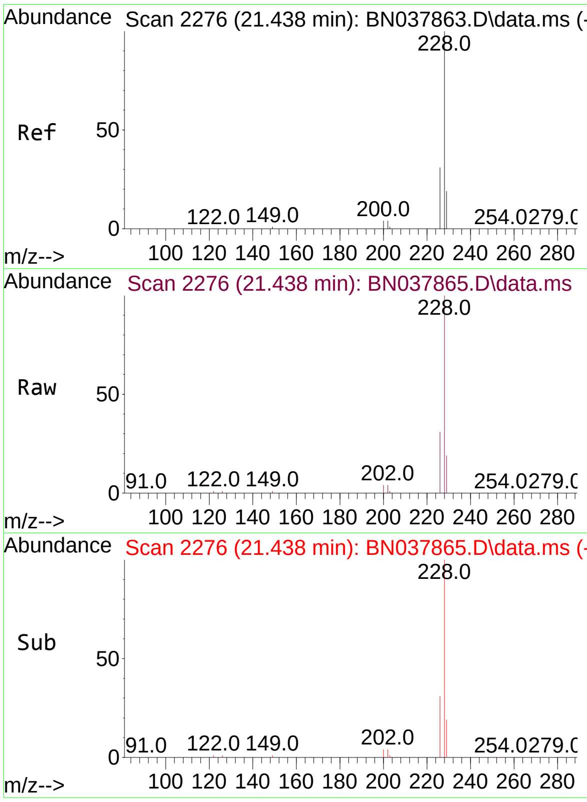
#32
Benzo(a)anthracene
Concen: 1.628 ng
RT: 21.384 min Scan# 2270
Delta R.T. -0.000 min
Lab File: BN037865.D
Acq: 23 Sep 2025 14:38

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

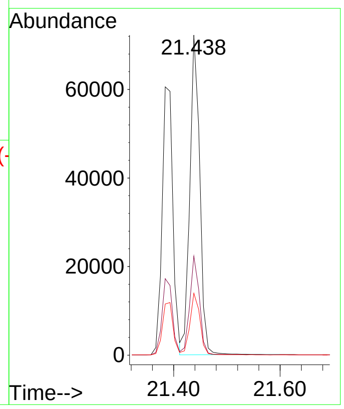


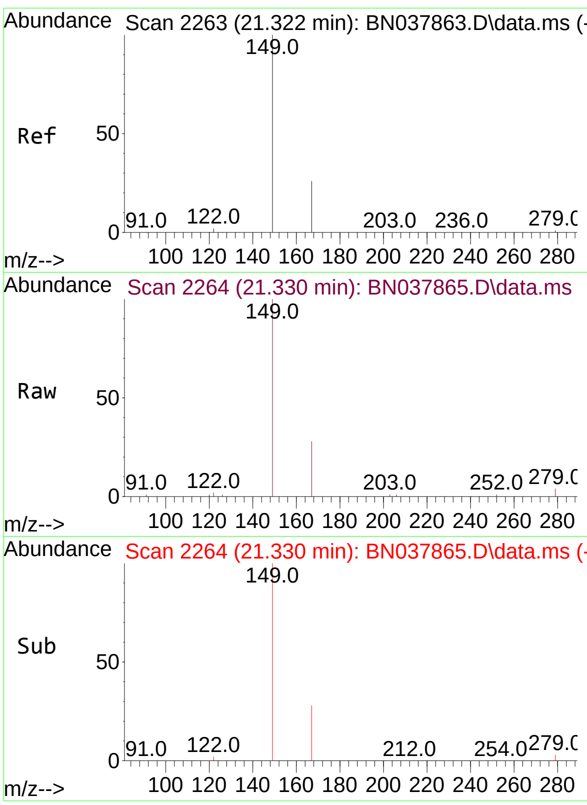
Instrument : BNA_N
ClientSampleId : SSTDICC1.6




```
#33
Chrysene
Concen:    1.650 ng
RT:  21.438 min  Scan# 2276
Delta R.T.  -0.000 min
Lab File:   BN037865.D
Acq: 23 Sep 2025  14:38

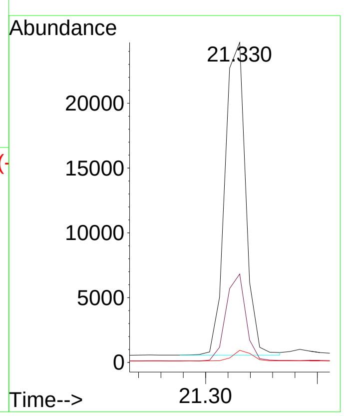
Tgt Ion:228 Resp:   93309
Ion  Ratio  Lower  Upper
228  100
226   30.9   24.6   37.0
229   19.3   15.6   23.4
```



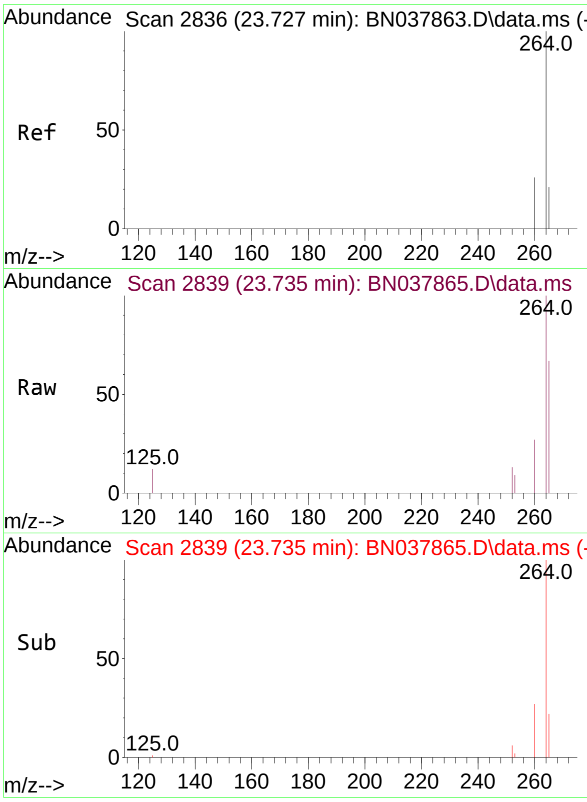



```
#34
Bis(2-ethylhexyl)phthalate
Concen:    1.500 ng
RT:  21.330 min  Scan# 2264
Delta R.T.  0.009 min
Lab File:   BN037865.D
Acq: 23 Sep 2025  14:38

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
```



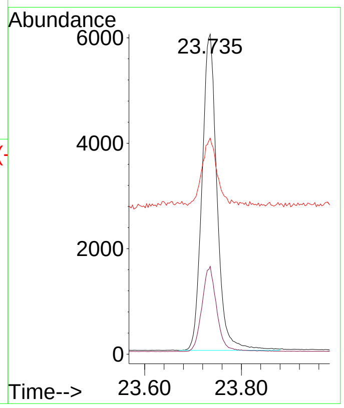
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

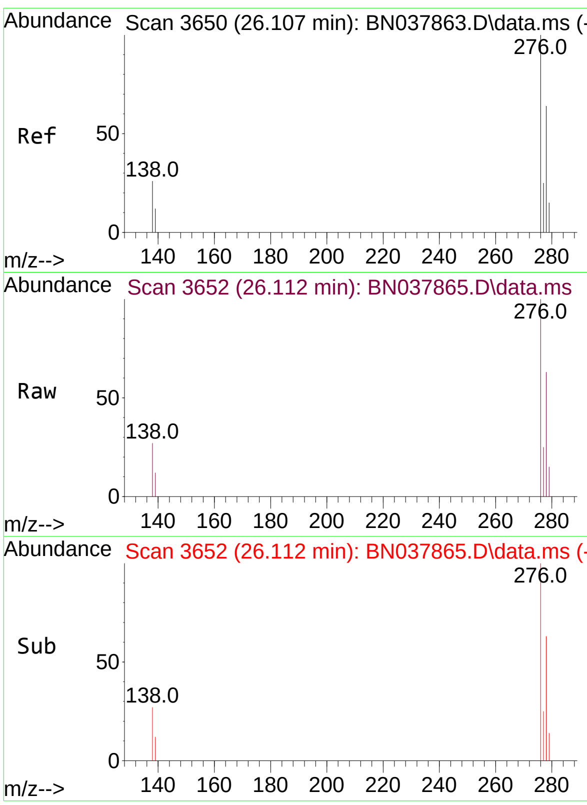


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.735 min Scan# 28
Delta R.T. 0.009 min
Lab File: BN037865.D
Acq: 23 Sep 2025 14:38

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

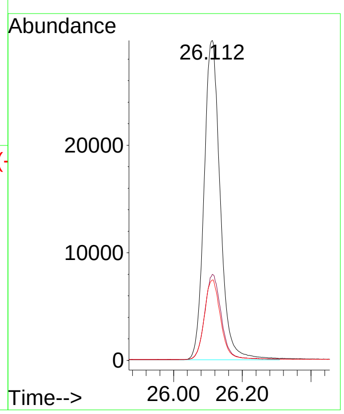




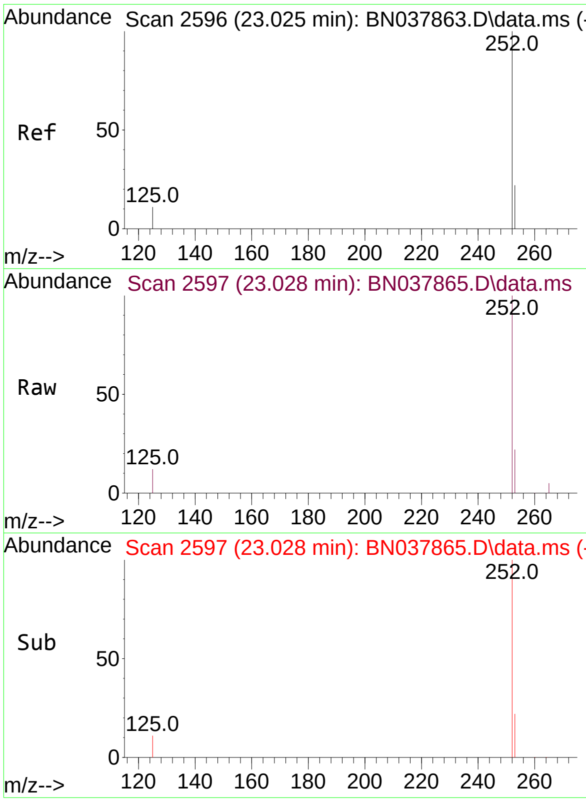
#36
Indeno(1,2,3-cd)pyrene
Concen: 1.652 ng
RT: 26.112 min Scan# 3652
Delta R.T. 0.006 min
Lab File: BN037865.D
Acq: 23 Sep 2025 14:38

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



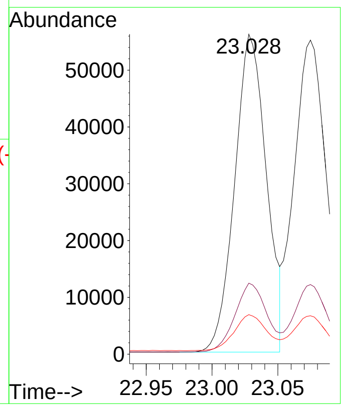
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

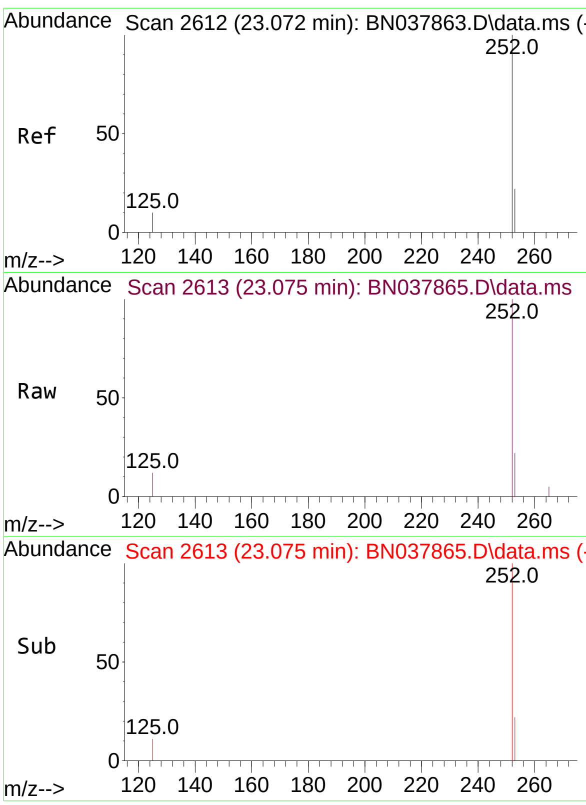


#37
Benzo(b)fluoranthene
Concen: 1.679 ng
RT: 23.028 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN037865.D
Acq: 23 Sep 2025 14:38

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#

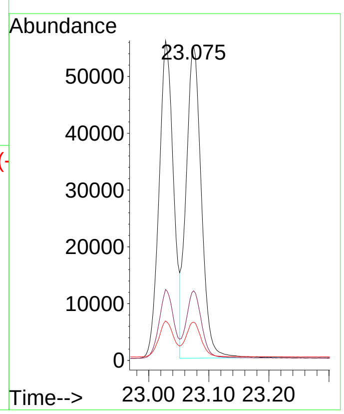




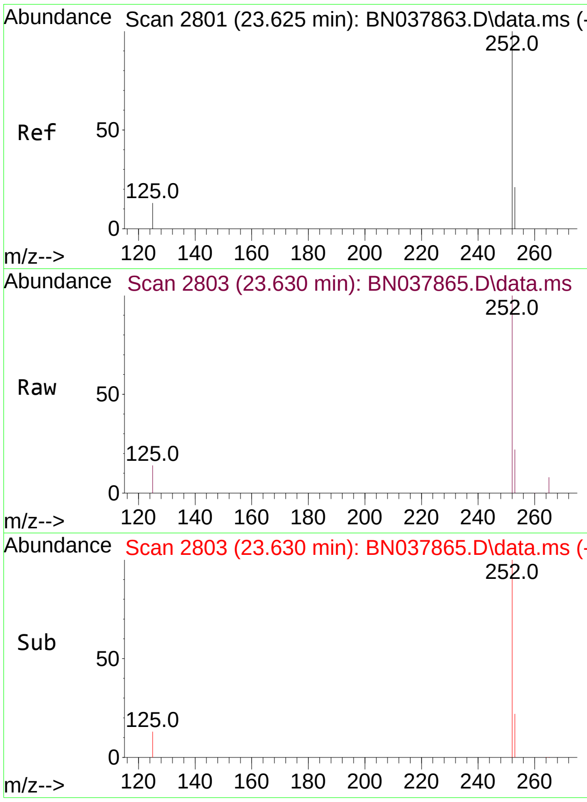
#38
Benzo(k)fluoranthene
Concen: 1.728 ng
RT: 23.075 min Scan# 2613
Delta R.T. 0.003 min
Lab File: BN037865.D
Acq: 23 Sep 2025 14:38

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#

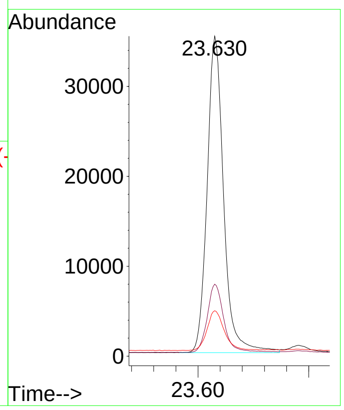


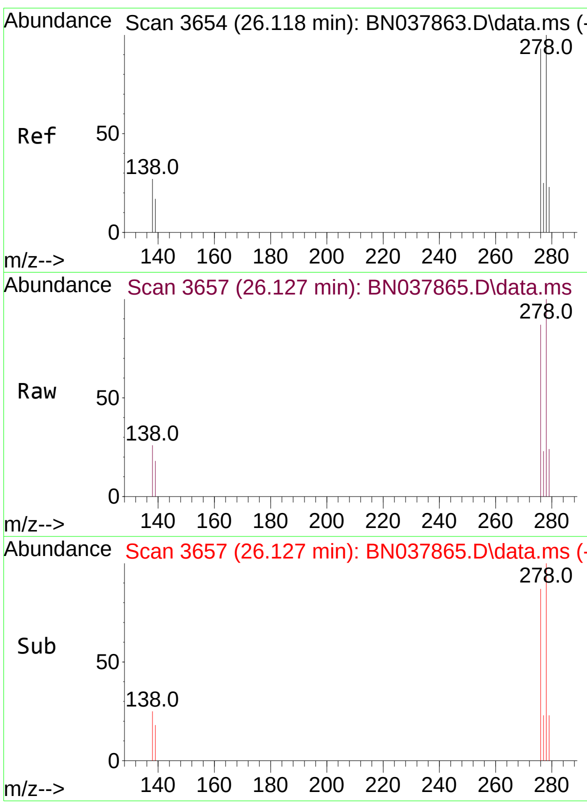
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6




```
#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

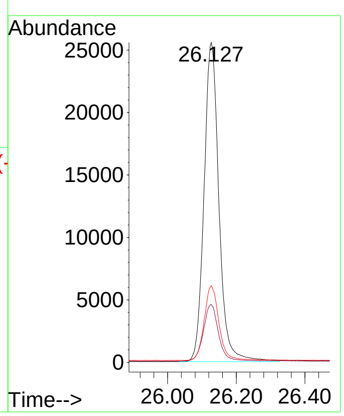
Tgt Ion:252 Resp:   73009
Ion  Ratio  Lower  Upper
252  100
253   22.5   20.6   30.8
125   14.2   16.7   25.1#
```

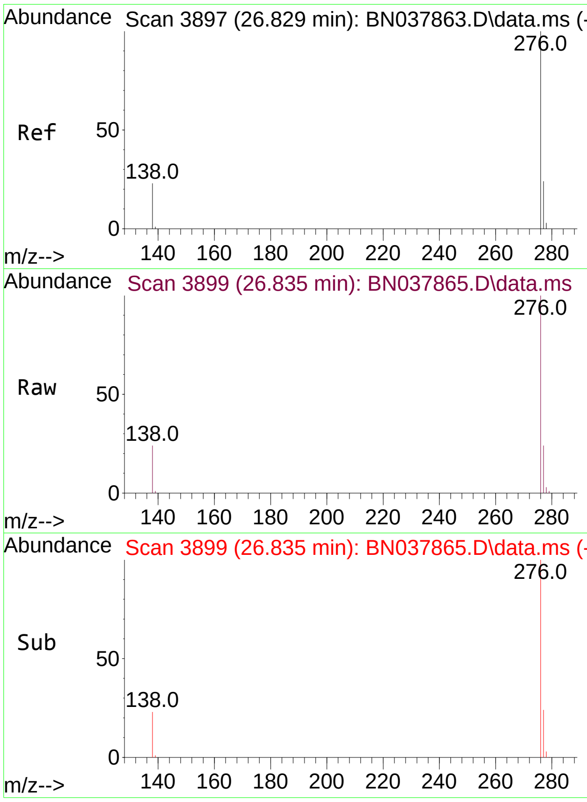





```
#40
Dibenzo(a,h)anthracene
Concen:    1.676 ng
RT:  26.127 min  Scan# 3657
Delta R.T.  0.009 min
Lab File:   BN037865.D
Acq: 23 Sep 2025  14:38

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
```



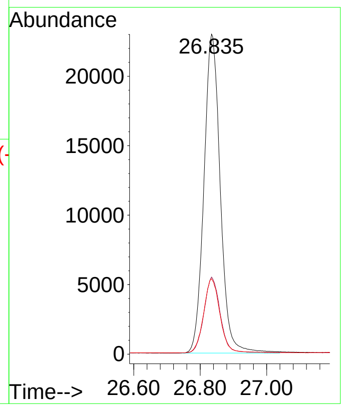


#41
Benzo(g,h,i)perylene
Concen: 1.623 ng
RT: 26.835 min Scan# 38
Delta R.T. 0.006 min
Lab File: BN037865.D
Acq: 23 Sep 2025 14:38

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



ICAL Form

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

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

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

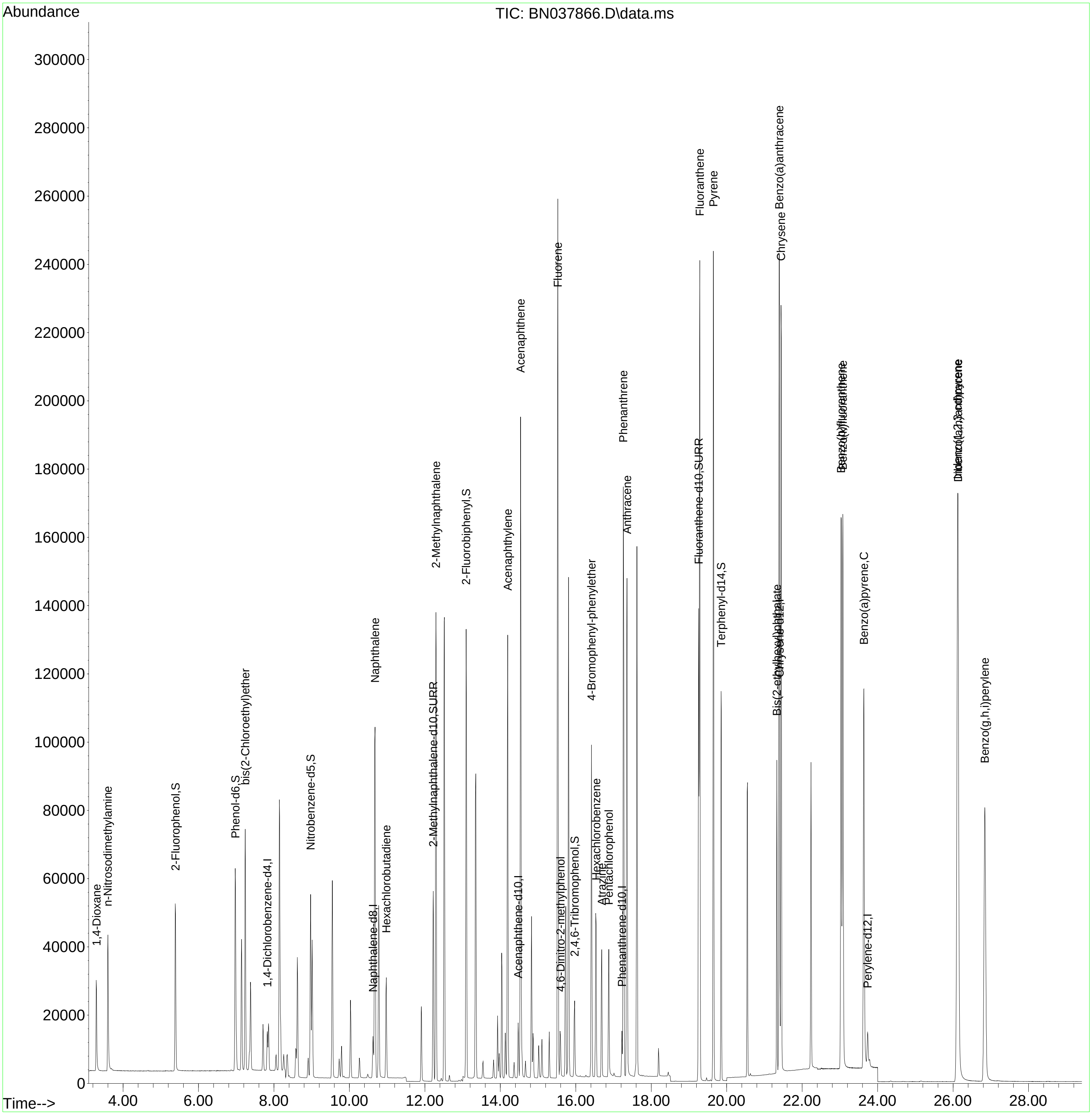
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

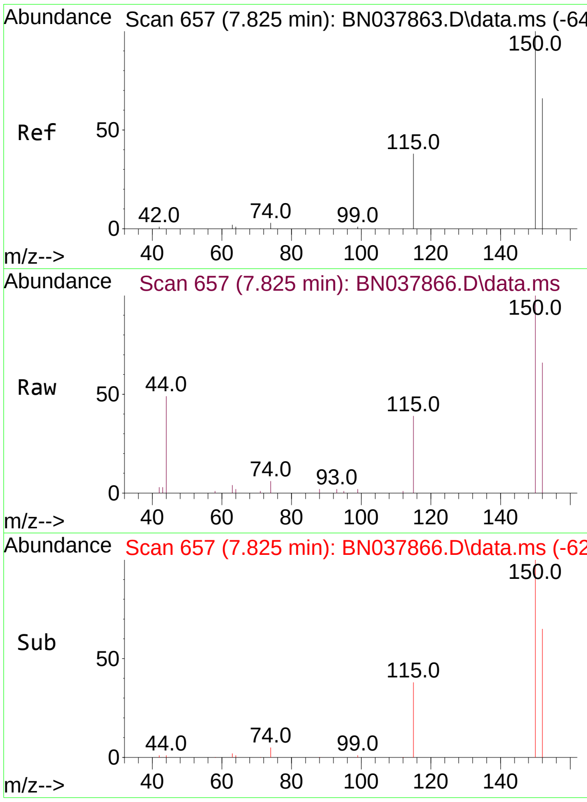
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092325\
Data File : BN037866.D
Acq On   : 23 Sep 2025 15:15
Operator : RC/JU
Sample   : SSTDICC3.2
Misc   :
ALS Vial : 7   Sample Multiplier: 1

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



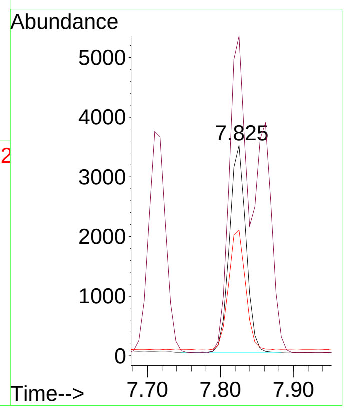
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

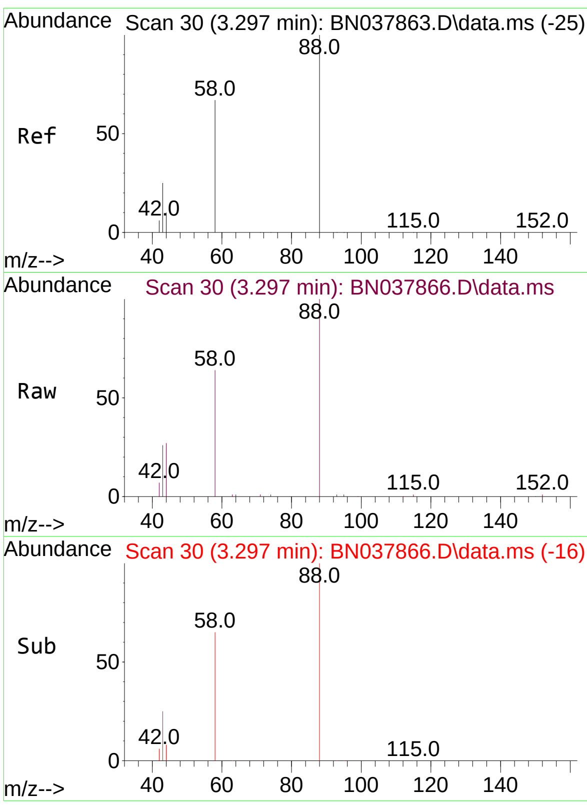


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.825 min Scan# 6
Delta R.T. 0.000 min
Lab File: BN037866.D
Acq: 23 Sep 2025 15:15

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

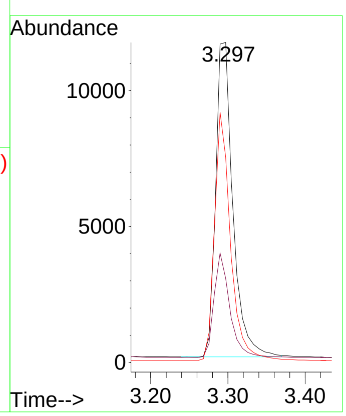




#2
1,4-Dioxane
Concen: 3.234 ng
RT: 3.297 min Scan# 30
Delta R.T. -0.000 min
Lab File: BN037866.D
Acq: 23 Sep 2025 15:15

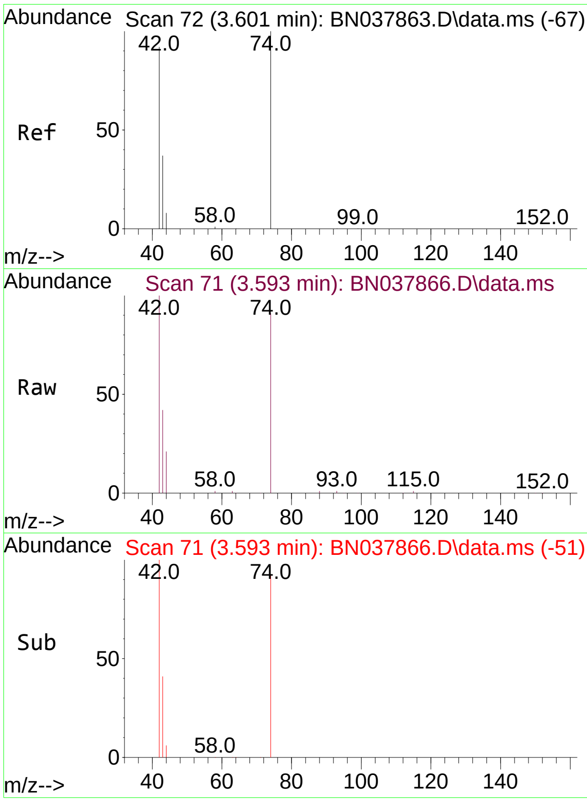
Tgt Ion: 88 Resp: 18009

Ion	Ratio	Lower	Upper
88	100		
43	30.7	26.6	39.8
58	73.6	58.9	88.3



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

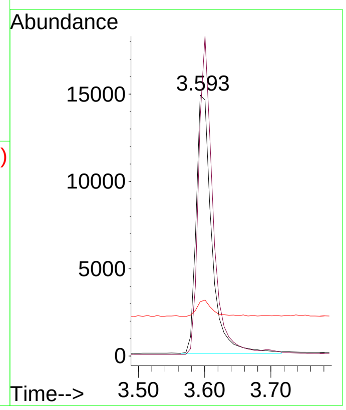
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

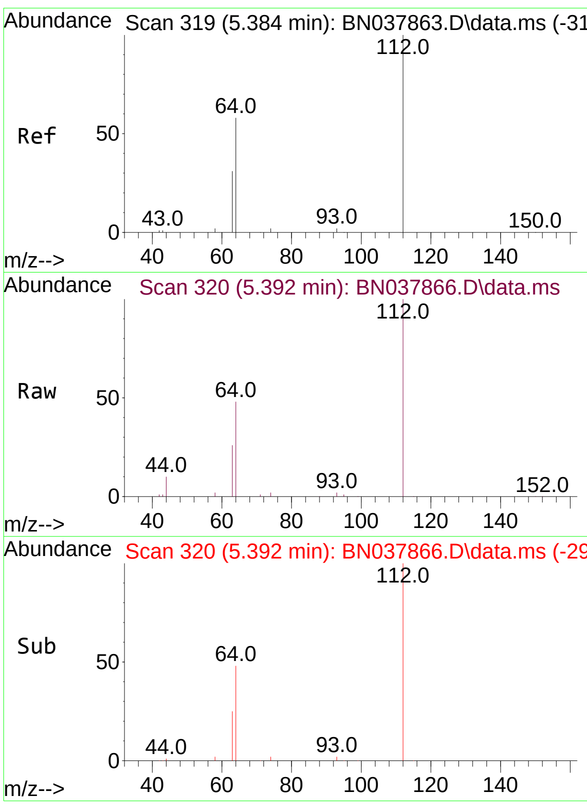


#3
n-Nitrosodimethylamine
Concen: 3.255 ng
RT: 3.593 min   Scan# 71
Delta R.T.   -0.007 min
Lab File: BN037866.D
Acq: 23 Sep 2025   15:15

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#

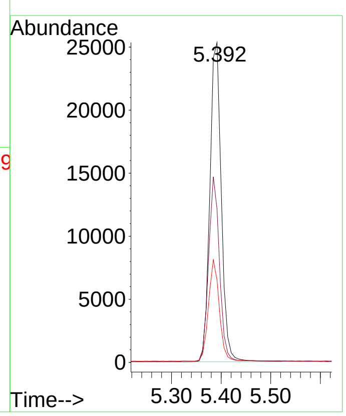




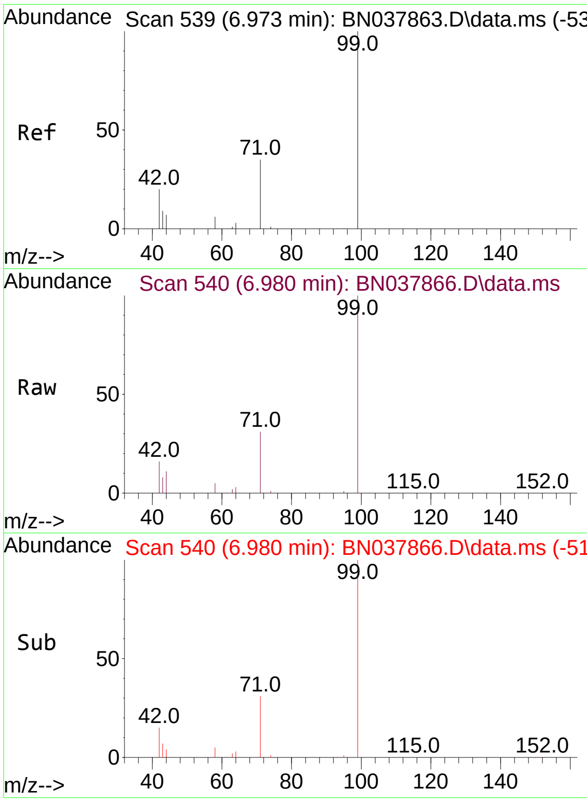
#4
2-Fluorophenol
Concen: 3.237 ng
RT: 5.392 min   Scan# 320
Delta R.T.   0.007 min
Lab File: BN037866.D
Acq: 23 Sep 2025   15:15

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



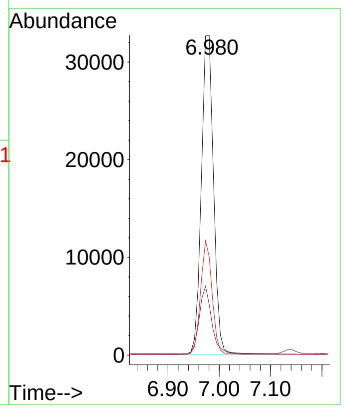
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

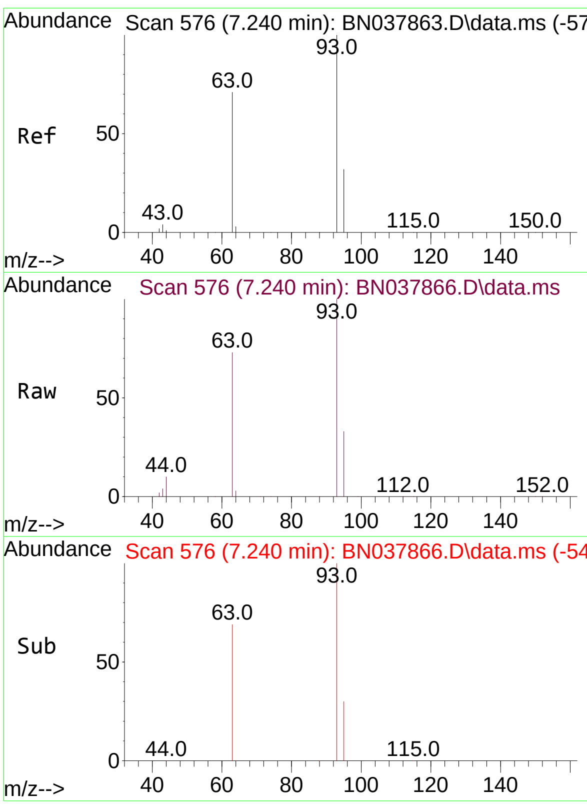


#5
Phenol-d6
Concen: 3.297 ng
RT: 6.980 min   Scan# 54
Delta R.T.   0.007 min
Lab File: BN037866.D
Acq: 23 Sep 2025   15:15

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

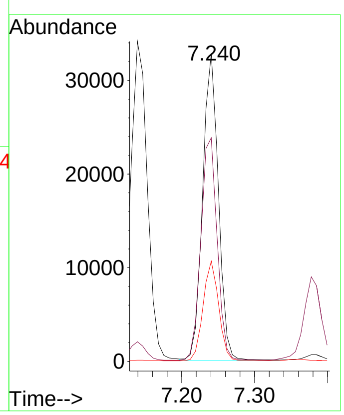




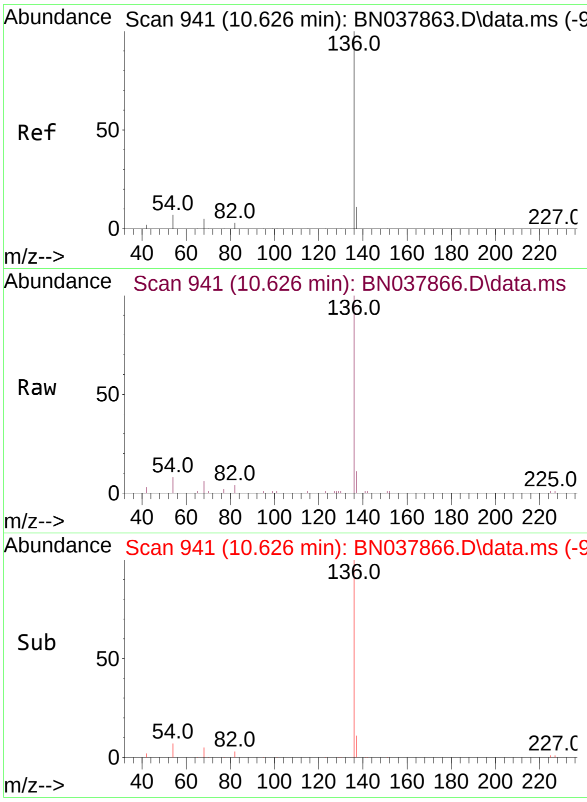
#6
bis(2-Chloroethyl)ether
Concen: 3.230 ng
RT: 7.240 min   Scan# 576
Delta R.T.   -0.000 min
Lab File: BN037866.D
Acq: 23 Sep 2025   15:15

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



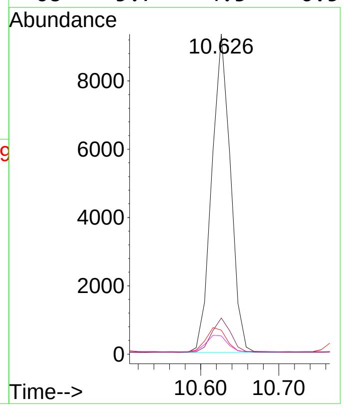
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

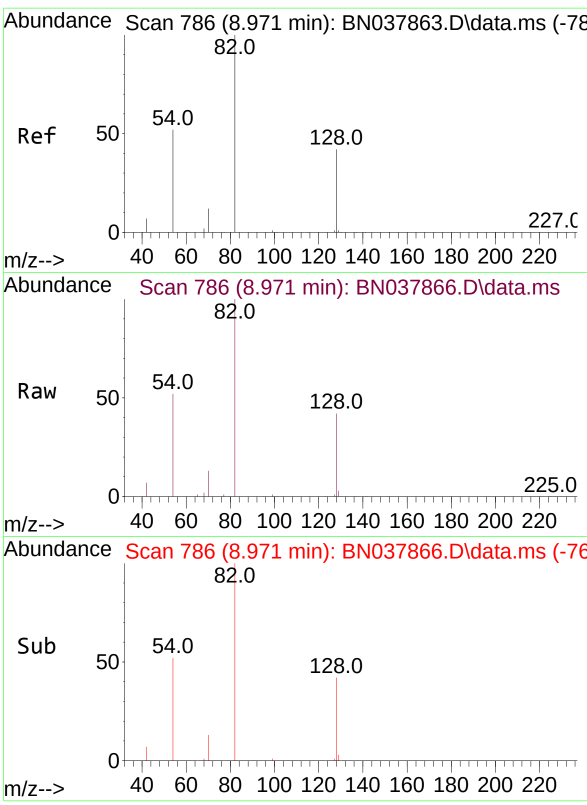


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.626 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN037866.D
Acq: 23 Sep 2025 15:15

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

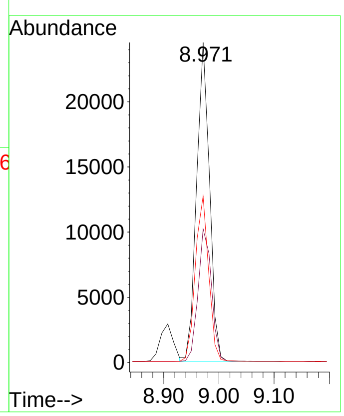




#8
Nitrobenzene-d5
Concen: 3.353 ng
RT: 8.971 min Scan# 786
Delta R.T. -0.000 min
Lab File: BN037866.D
Acq: 23 Sep 2025 15:15

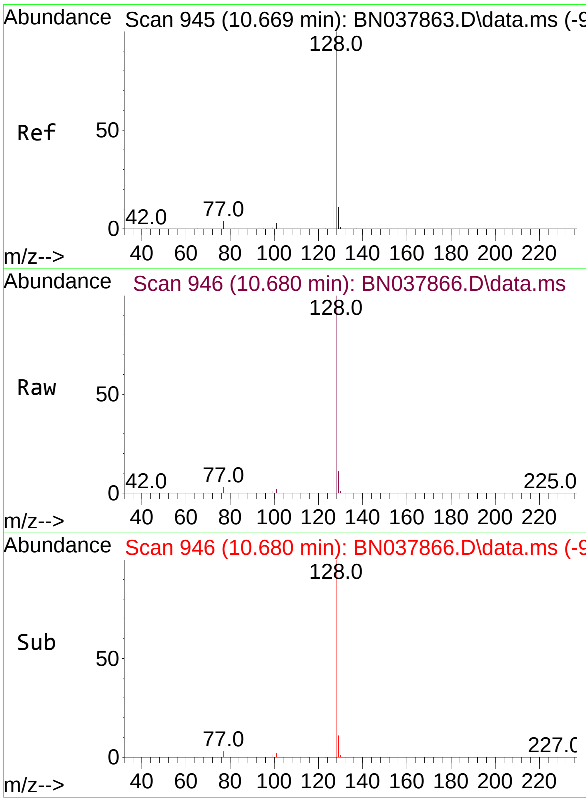
Tgt Ion: 82 Resp: 39859

Ion	Ratio	Lower	Upper
82	100		
128	41.7	34.8	52.2
54	52.0	42.2	63.2



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

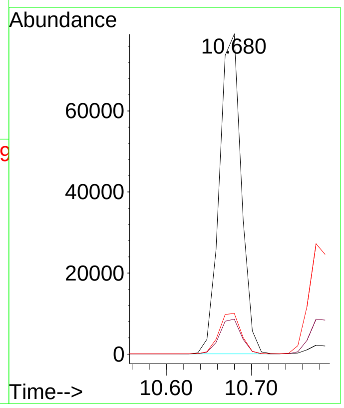
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

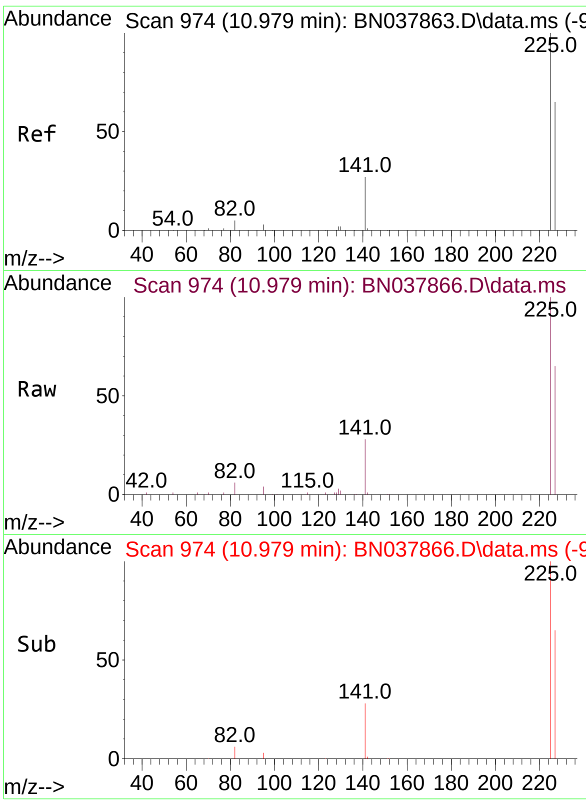


#9
Naphthalene
Concen: 3.301 ng
RT: 10.680 min Scan# 94
Delta R.T. 0.011 min
Lab File: BN037866.D
Acq: 23 Sep 2025 15:15

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

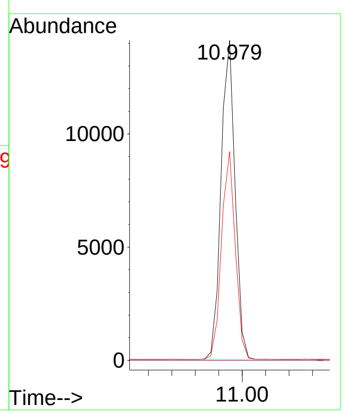




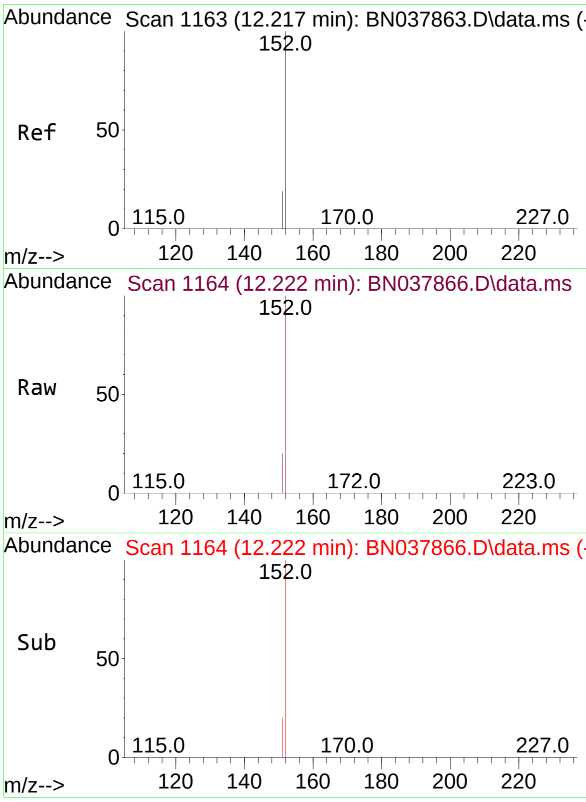
#10
Hexachlorobutadiene
Concen: 3.208 ng
RT: 10.979 min Scan# 974
Delta R.T. -0.000 min
Lab File: BN037866.D
Acq: 23 Sep 2025 15:15

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



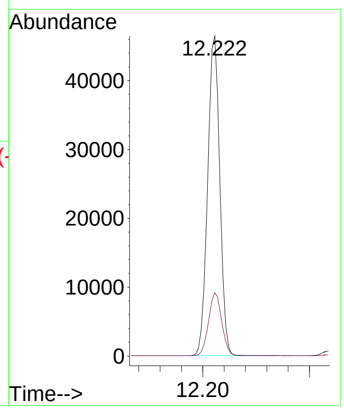
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

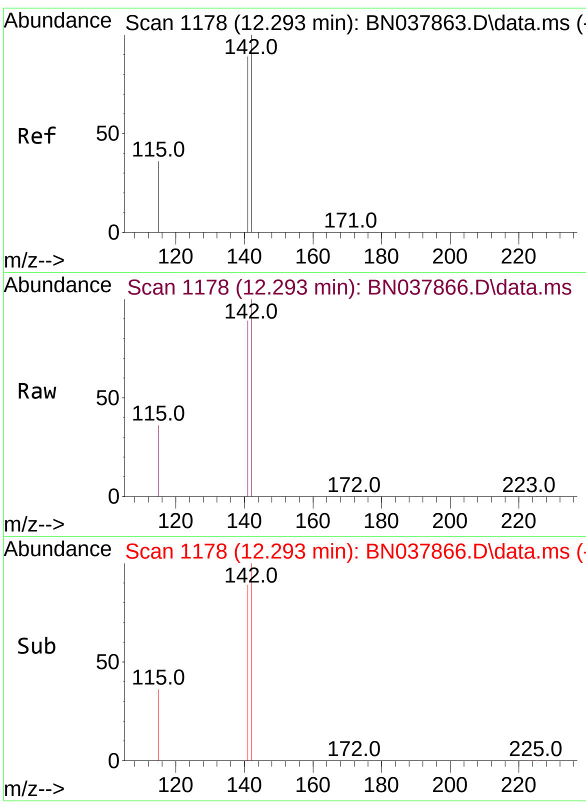


#11
2-Methylnaphthalene-d10
Concen: 3.382 ng
RT: 12.222 min Scan# 11
Delta R.T. 0.005 min
Lab File: BN037866.D
Acq: 23 Sep 2025 15:15

Tgt Ion:152 Resp: 73211

Ion	Ratio	Lower	Upper
152	100		
151	21.3	17.4	26.2

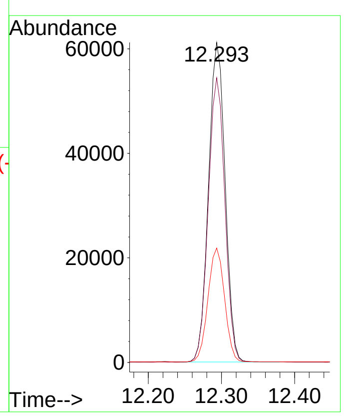




#12
2-Methylnaphthalene
Concen: 3.447 ng
RT: 12.293 min Scan# 1178
Delta R.T. -0.000 min
Lab File: BN037866.D
Acq: 23 Sep 2025 15:15

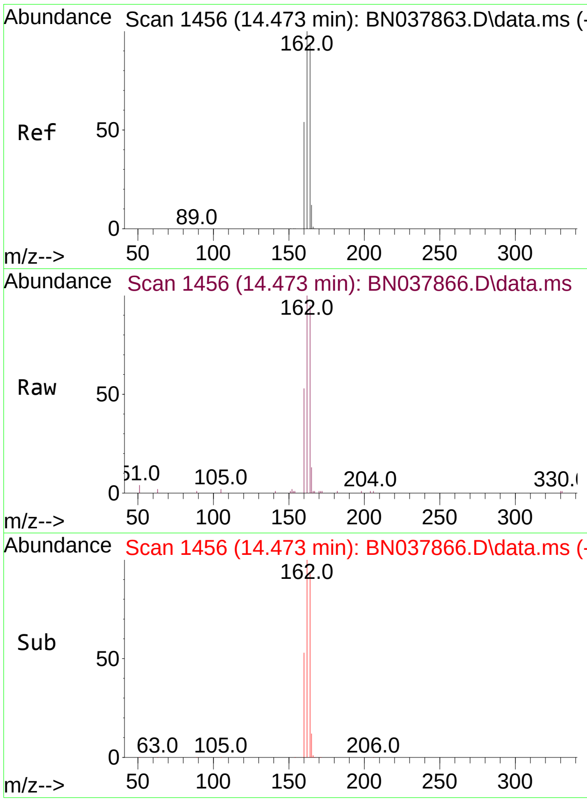
Tgt Ion:142 Resp: 96667

Ion	Ratio	Lower	Upper
142	100		
141	88.9	71.2	106.8
115	35.7	29.7	44.5



Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

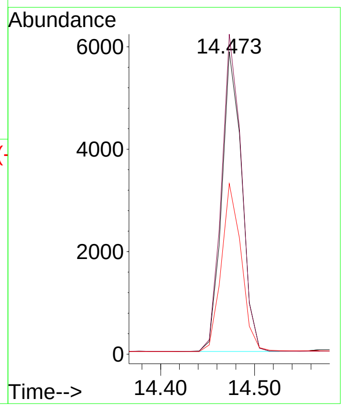
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

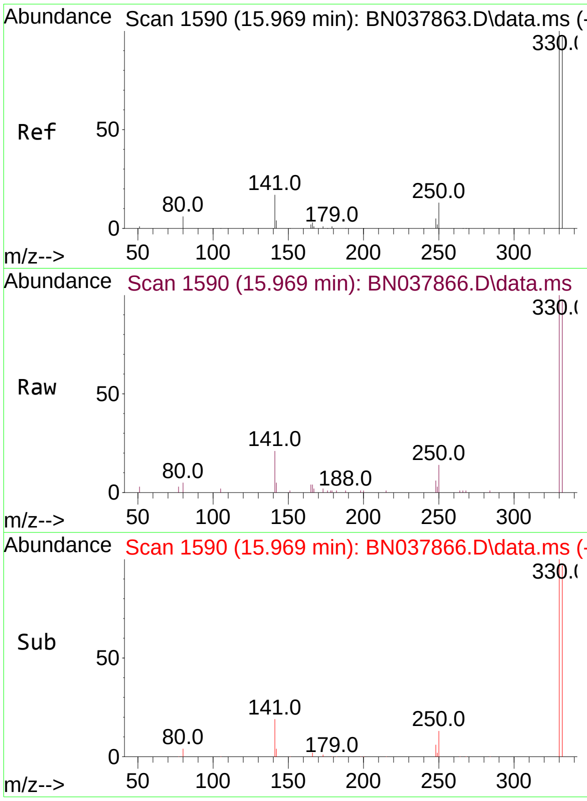


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.473 min Scan# 1456
Delta R.T. -0.000 min
Lab File: BN037866.D
Acq: 23 Sep 2025 15:15

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

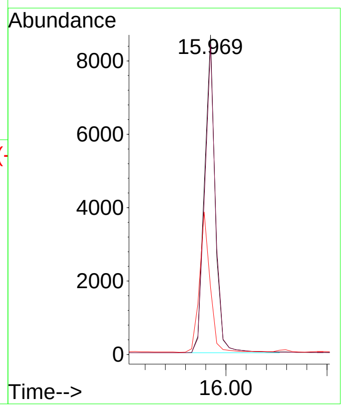




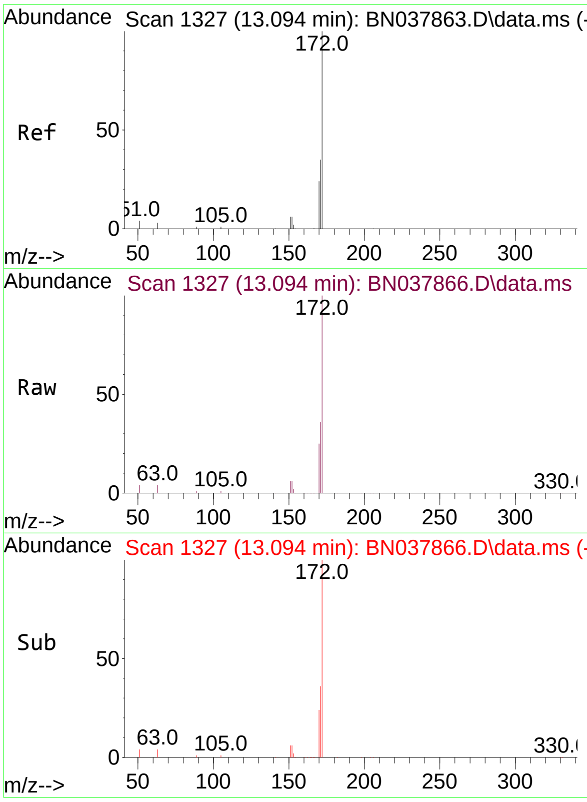
#14
2,4,6-Tribromophenol
Concen: 3.642 ng
RT: 15.969 min Scan# 1590
Delta R.T. -0.000 min
Lab File: BN037866.D
Acq: 23 Sep 2025 15:15

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



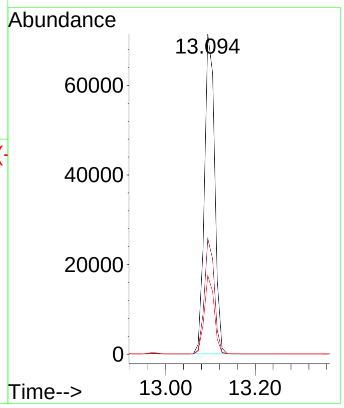
Instrument : BNA_N
ClientSampleId : SSTDICC3.2

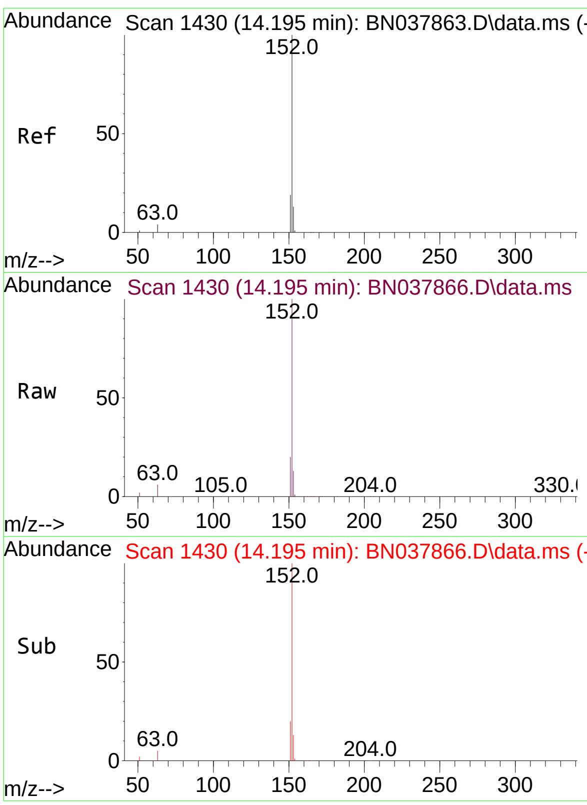


#15
2-Fluorobiphenyl
Concen: 3.223 ng
RT: 13.094 min Scan# 13
Delta R.T. -0.000 min
Lab File: BN037866.D
Acq: 23 Sep 2025 15:15

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

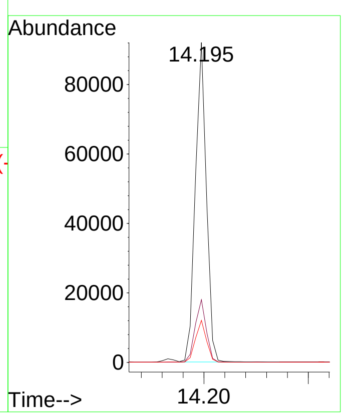




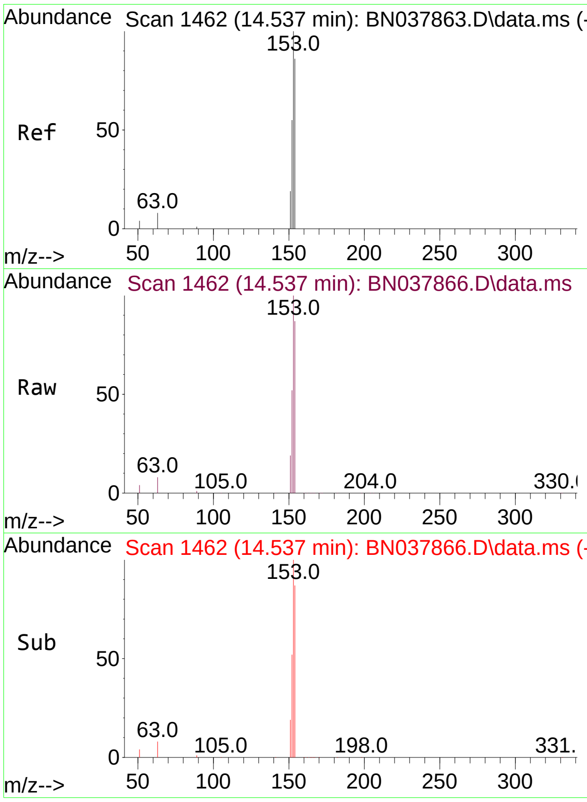
#16
Acenaphthylene
Concen: 3.437 ng
RT: 14.195 min Scan# 1430
Delta R.T. -0.000 min
Lab File: BN037866.D
Acq: 23 Sep 2025 15:15

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



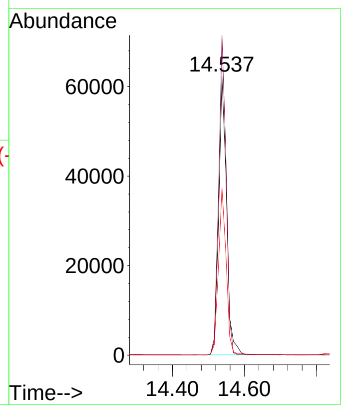
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

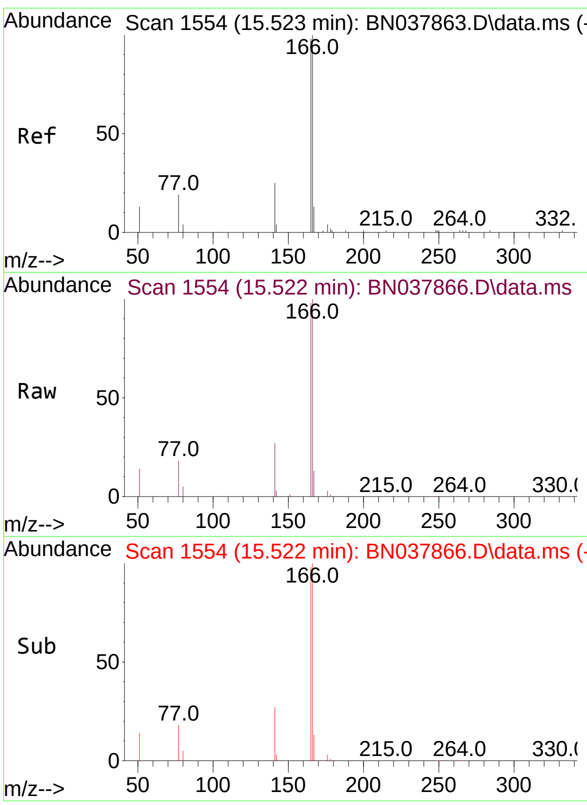


#17
Acenaphthene
Concen: 3.392 ng
RT: 14.537 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN037866.D
Acq: 23 Sep 2025 15:15

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

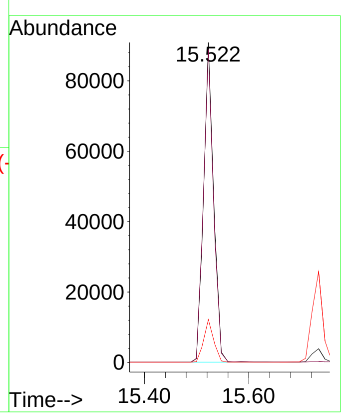




#18
Fluorene
Concen: 3.511 ng
RT: 15.522 min Scan# 1554
Delta R.T. -0.000 min
Lab File: BN037866.D
Acq: 23 Sep 2025 15:15

Tgt Ion:166 Resp: 118468

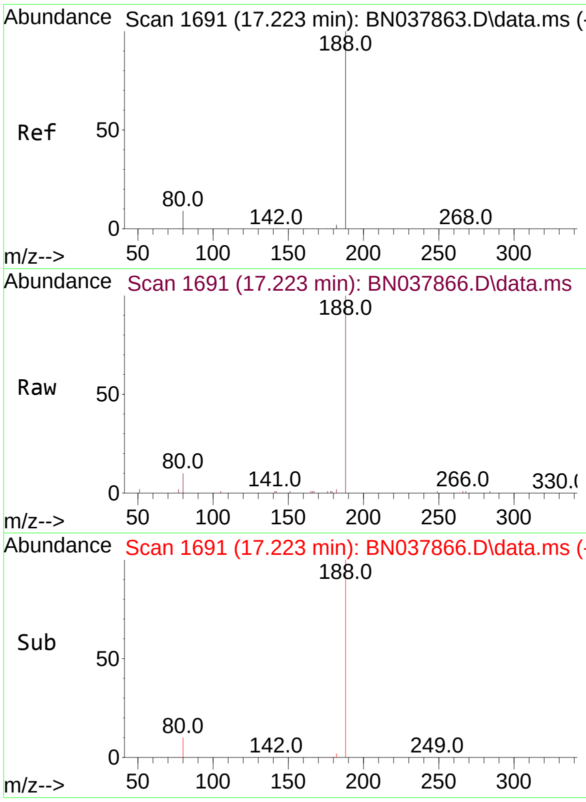
Ion	Ratio	Lower	Upper
166	100		
165	98.2	79.0	118.4
167	13.1	10.6	16.0



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

Instrument : BNA_N
ClientSampleId : SSTDICC3.2

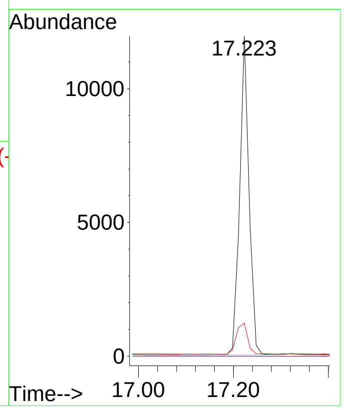
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

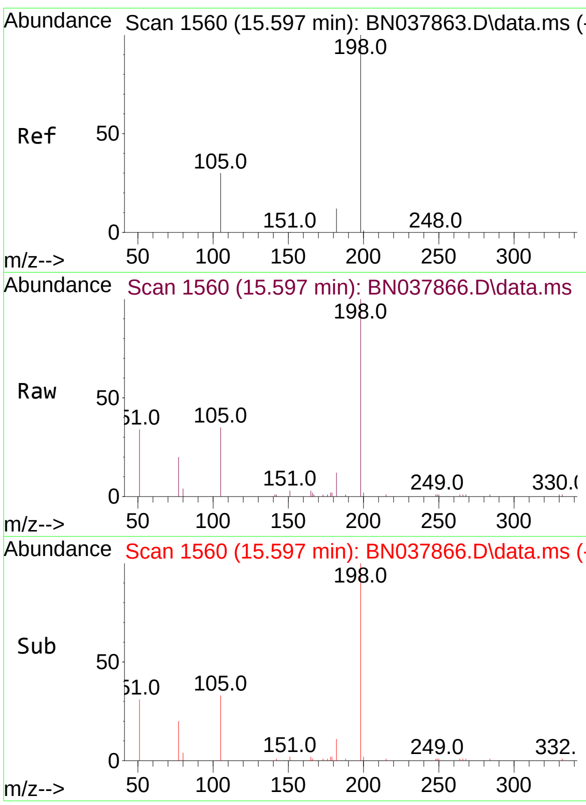


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.223 min Scan# 16
Delta R.T. -0.000 min
Lab File: BN037866.D
Acq: 23 Sep 2025 15:15

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

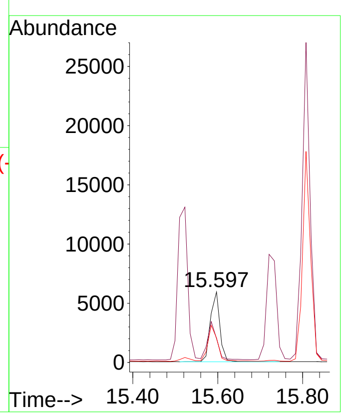




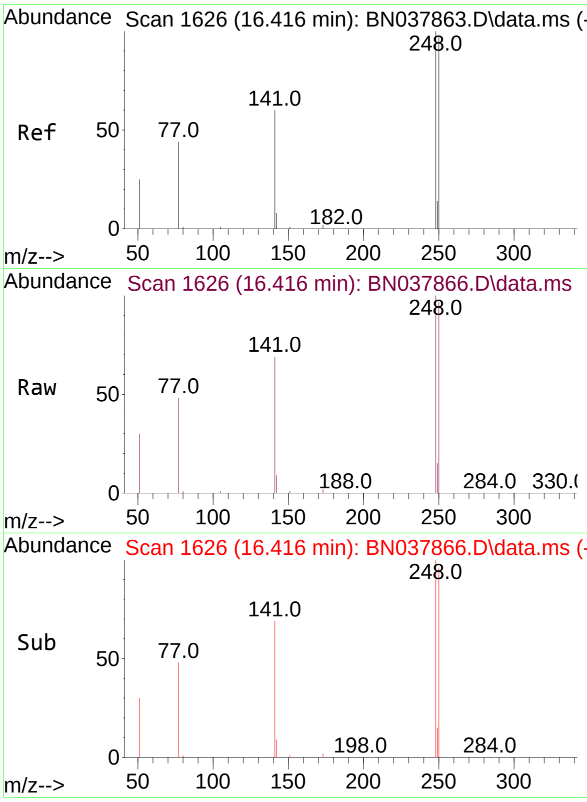
#20
4,6-Dinitro-2-methylphenol
Concen: 3.211 ng
RT: 15.597 min Scan# 1560
Delta R.T. -0.000 min
Lab File: BN037866.D
Acq: 23 Sep 2025 15:15

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#



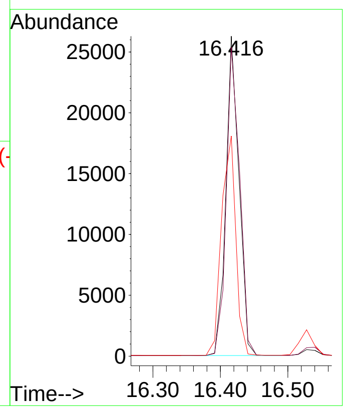
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

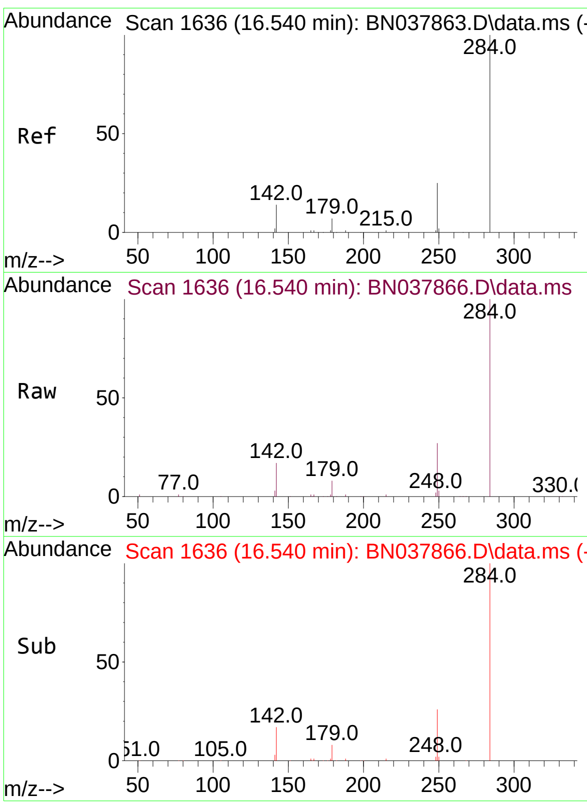


#21
4-Bromophenyl-phenylether
Concen: 3.370 ng
RT: 16.416 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037866.D
Acq: 23 Sep 2025 15:15

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

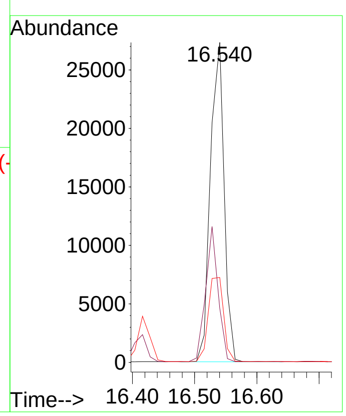




#22
Hexachlorobenzene
Concen: 3.269 ng
RT: 16.540 min Scan# 1636
Delta R.T. -0.000 min
Lab File: BN037866.D
Acq: 23 Sep 2025 15:15

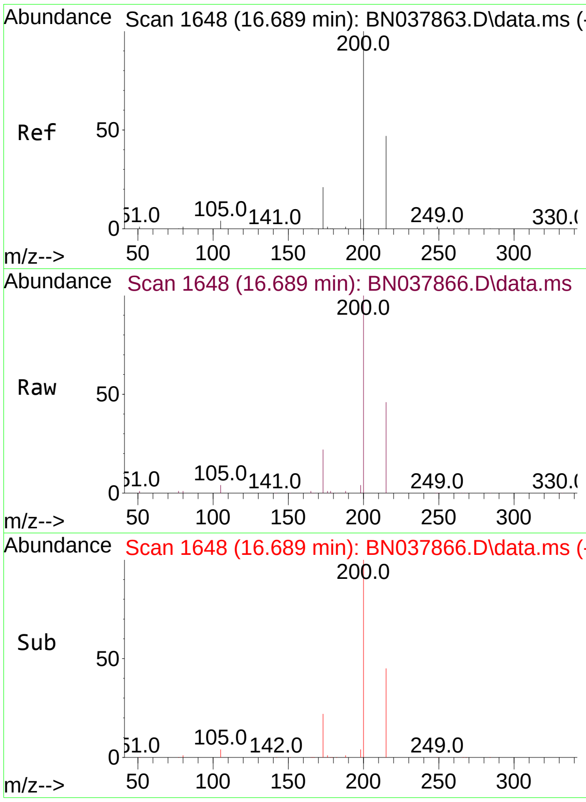
Tgt Ion:284 Resp: 41902

Ion	Ratio	Lower	Upper
284	100		
142	38.5	30.9	46.3
249	29.5	23.9	35.9



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

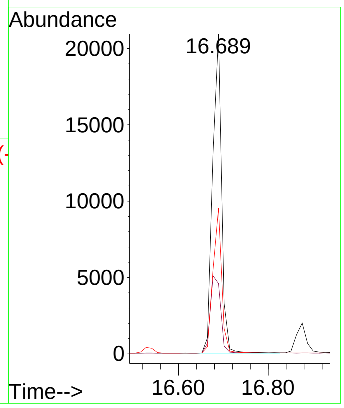
Instrument : BNA_N
ClientSampleId : SSTDICC3.2

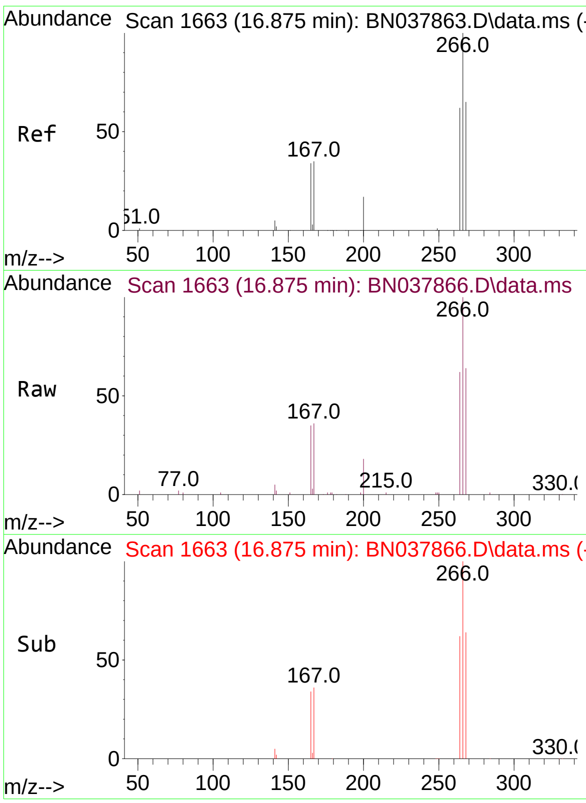


#23
Atrazine
Concen: 3.616 ng
RT: 16.689 min Scan# 1648
Delta R.T. -0.000 min
Lab File: BN037866.D
Acq: 23 Sep 2025 15:15

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

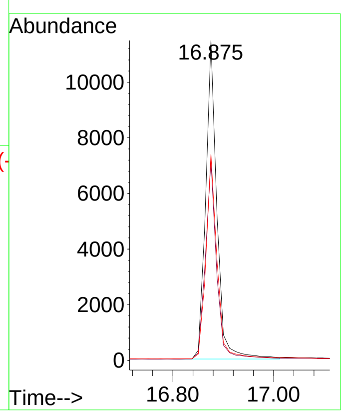




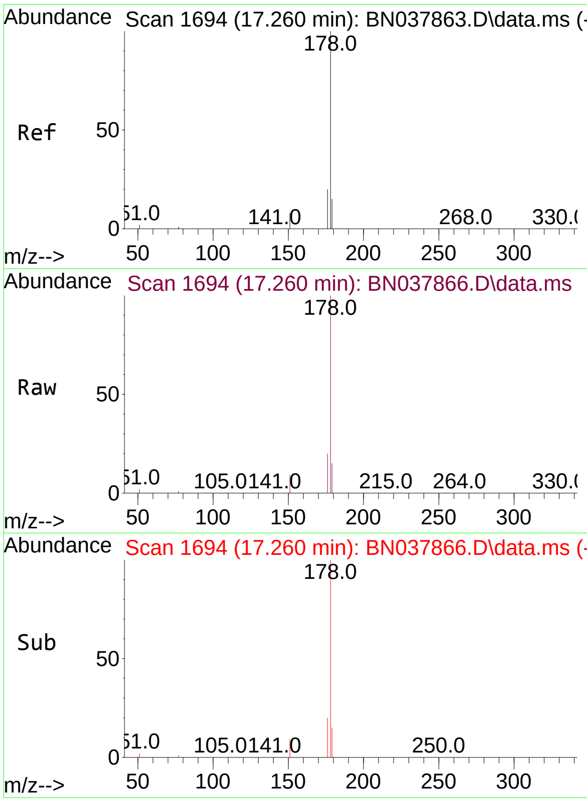
#24
Pentachlorophenol
Concen: 4.011 ng
RT: 16.875 min Scan# 1663
Delta R.T. 0.000 min
Lab File: BN037866.D
Acq: 23 Sep 2025 15:15

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



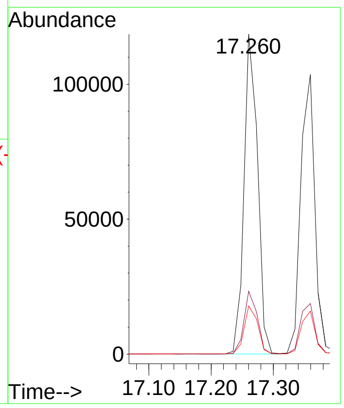
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

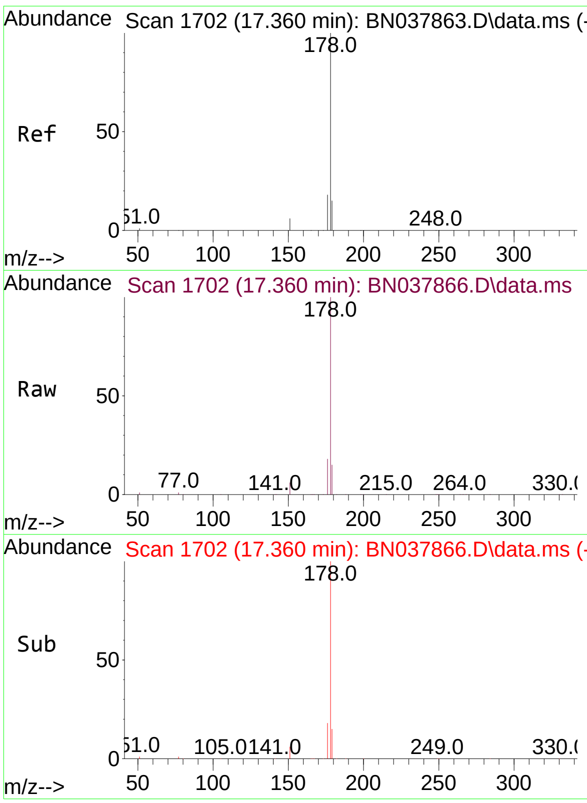


#25
Phenanthrene
Concen: 3.352 ng
RT: 17.260 min Scan# 16
Delta R.T. -0.000 min
Lab File: BN037866.D
Acq: 23 Sep 2025 15:15

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

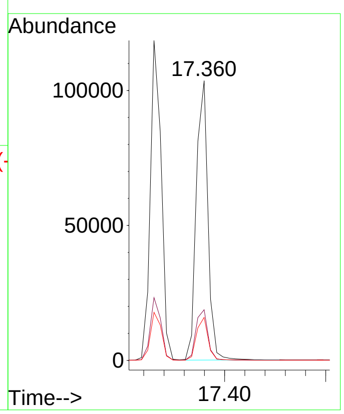




#26
Anthracene
Concen: 3.573 ng
RT: 17.360 min Scan# 1702
Delta R.T. -0.000 min
Lab File: BN037866.D
Acq: 23 Sep 2025 15:15

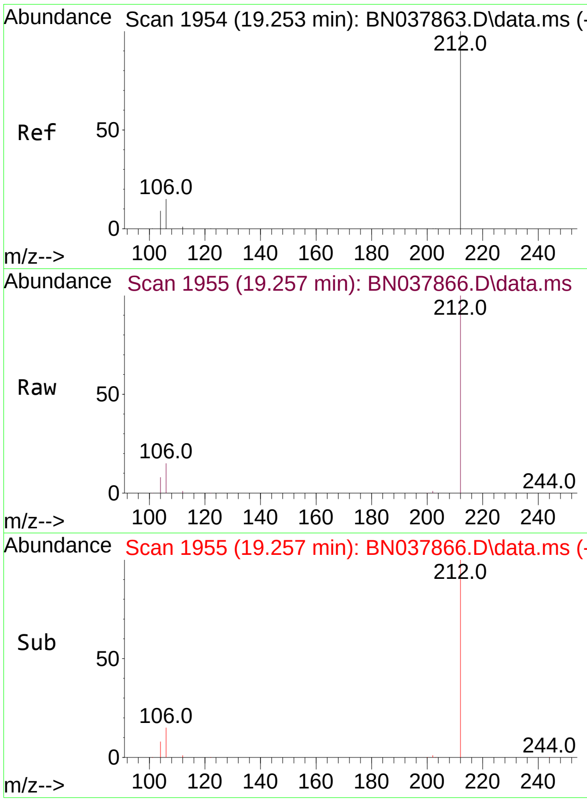
Tgt Ion:178 Resp: 165527

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.0	22.4
179	15.2	12.3	18.5



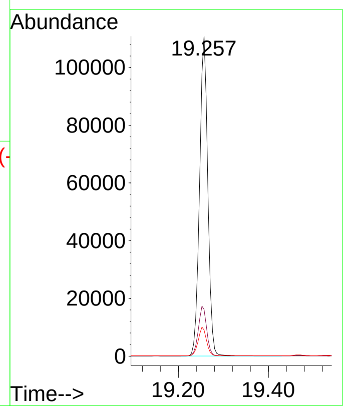
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

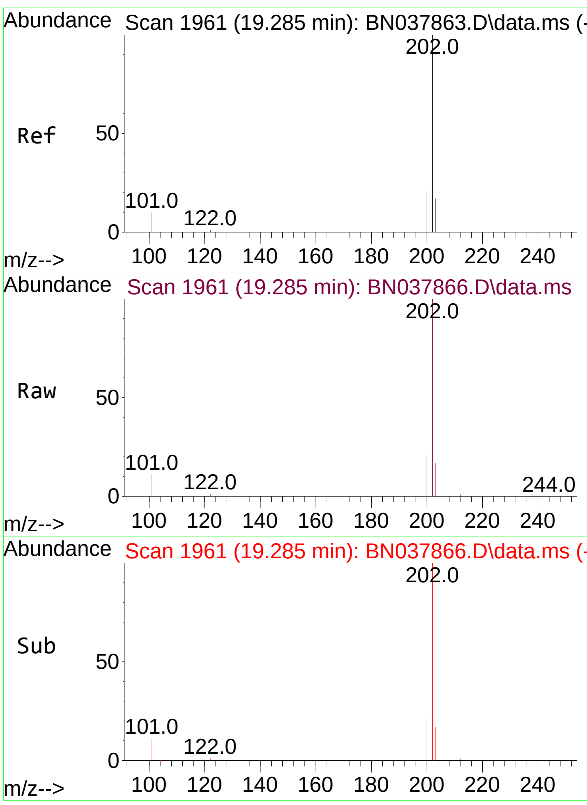
Instrument : BNA_N
ClientSampleId : SSTDICC3.2




```
#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

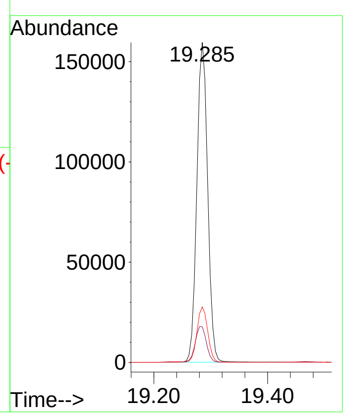
Tgt Ion:212 Resp:  140845
Ion  Ratio  Lower  Upper
212  100
106   15.7   12.6   19.0
104    9.0    7.4   11.0
```



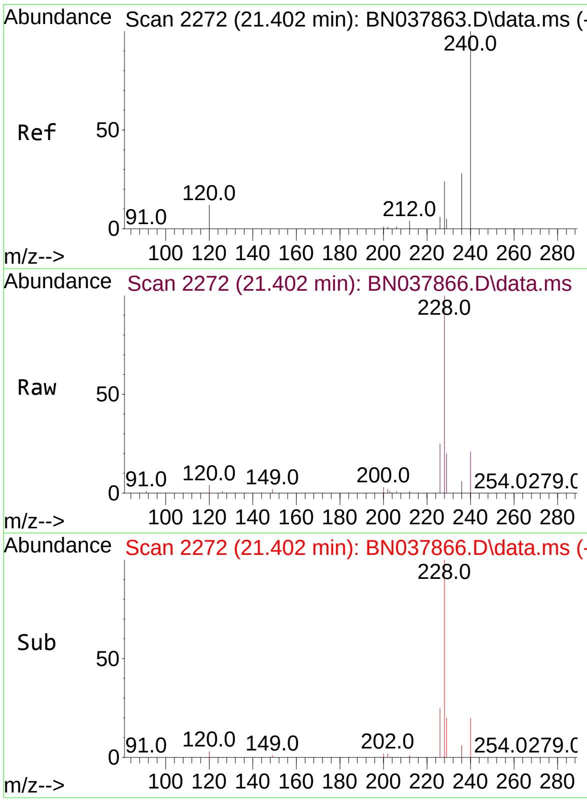



```
#28
Fluoranthene
Concen:    3.570 ng
RT:  19.285 min  Scan# 1961
Delta R.T.  -0.000 min
Lab File:   BN037866.D
Acq: 23 Sep 2025  15:15

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
```



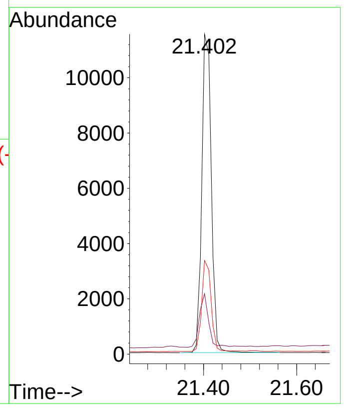
Instrument : BNA_N
ClientSampleId : SSTDICC3.2

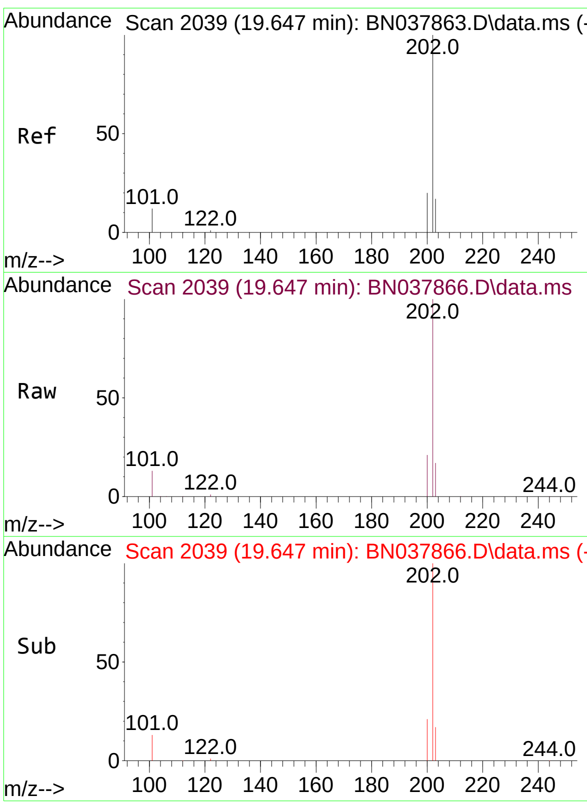


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.402 min Scan# 22
Delta R.T. -0.000 min
Lab File: BN037866.D
Acq: 23 Sep 2025 15:15

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

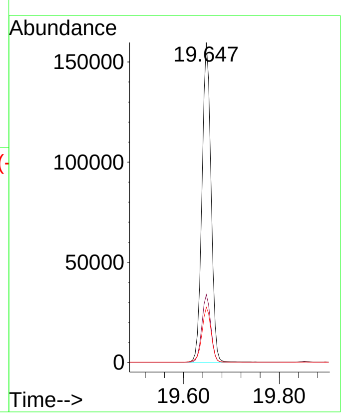




#30
Pyrene
Concen: 3.232 ng
RT: 19.647 min Scan# 2039
Delta R.T. -0.000 min
Lab File: BN037866.D
Acq: 23 Sep 2025 15:15

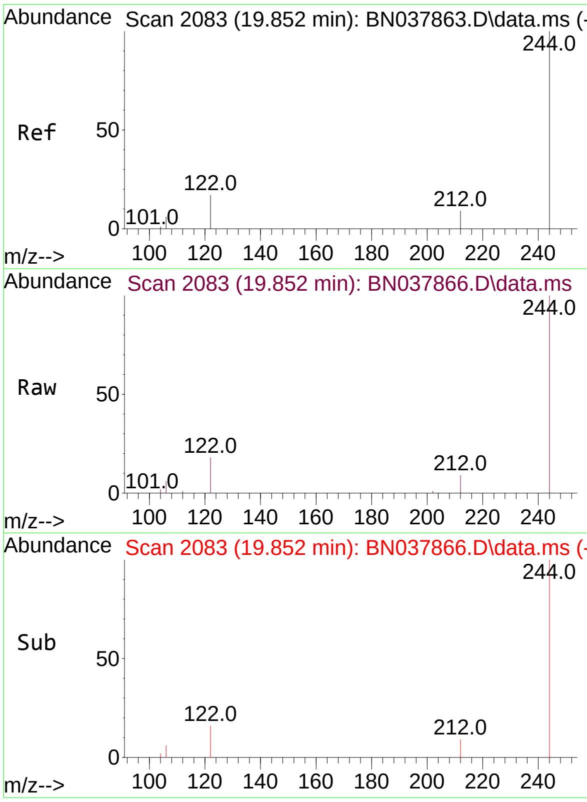
Tgt Ion:202 Resp: 208135

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.7	25.1
203	17.7	14.2	21.4



Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

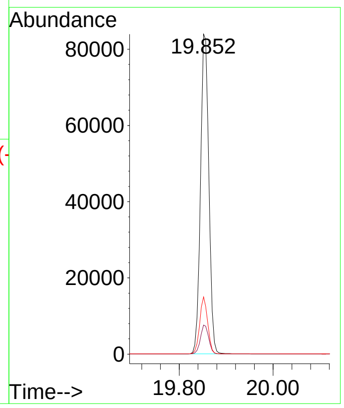
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

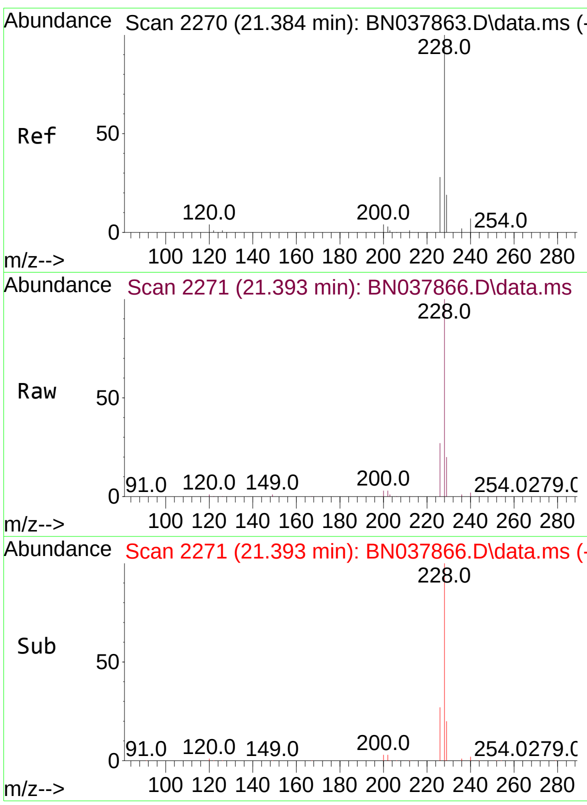


#31
Terphenyl-d14
Concen: 3.250 ng
RT: 19.852 min Scan# 20
Delta R.T. -0.000 min
Lab File: BN037866.D
Acq: 23 Sep 2025 15:15

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

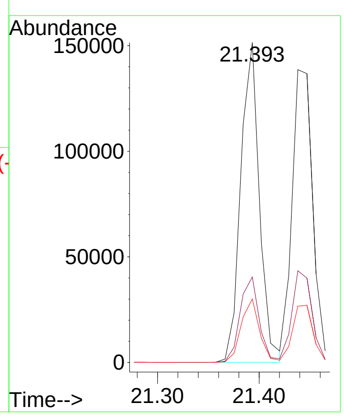




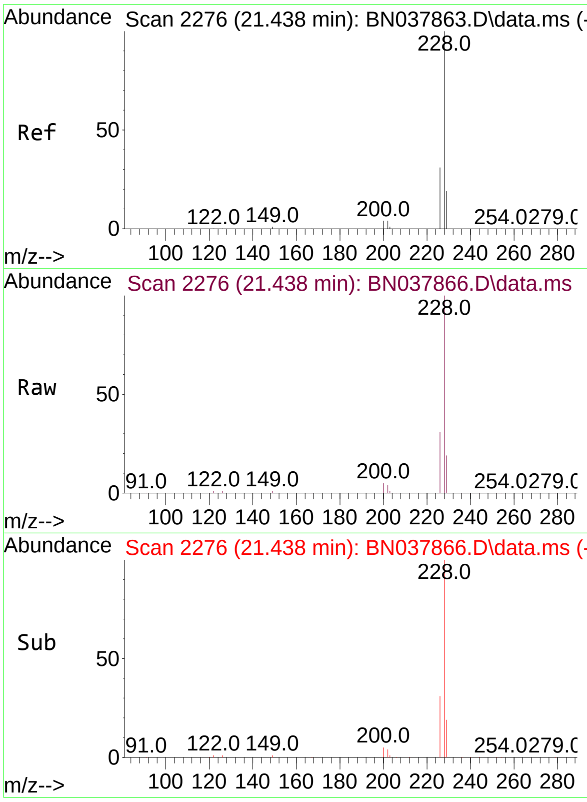
#32
Benzo(a)anthracene
Concen: 3.394 ng
RT: 21.393 min Scan# 2271
Delta R.T. 0.009 min
Lab File: BN037866.D
Acq: 23 Sep 2025 15:15

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



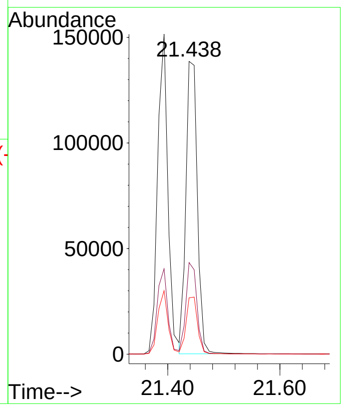
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

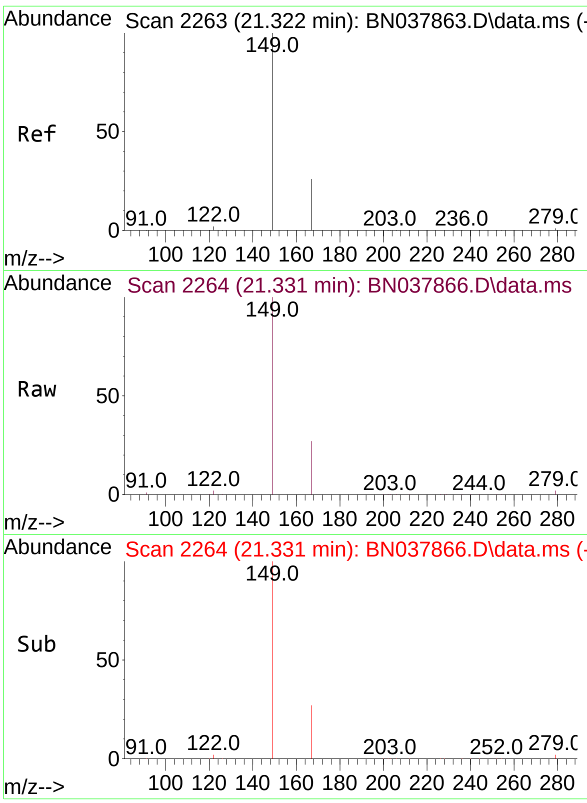


#33
Chrysene
Concen: 3.201 ng
RT: 21.438 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN037866.D
Acq: 23 Sep 2025 15:15

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

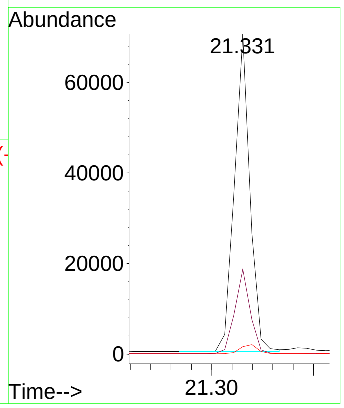




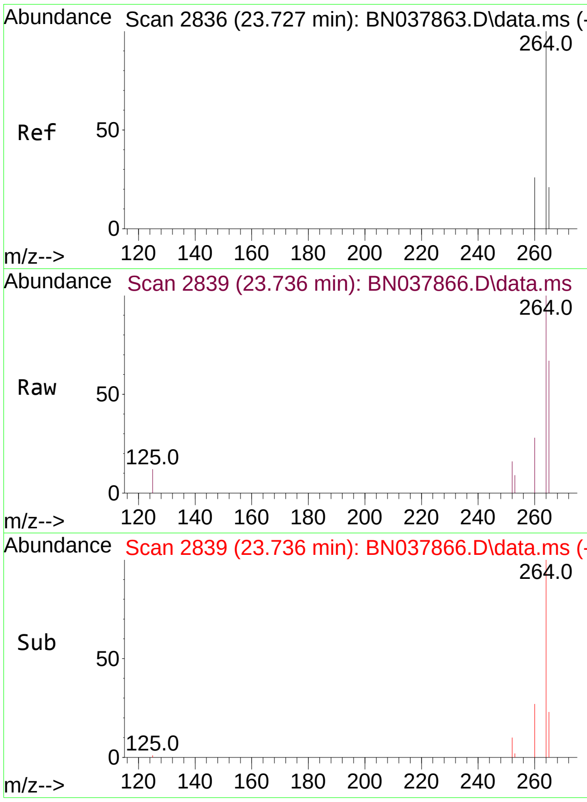
#34
Bis(2-ethylhexyl)phthalate
Concen: 3.291 ng
RT: 21.331 min Scan# 2264
Delta R.T. 0.009 min
Lab File: BN037866.D
Acq: 23 Sep 2025 15:15

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

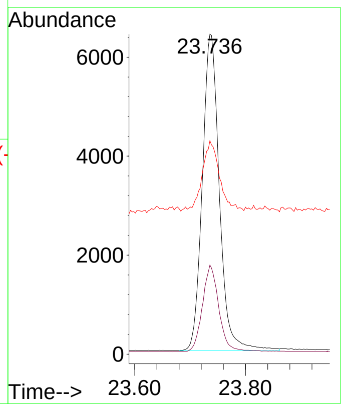


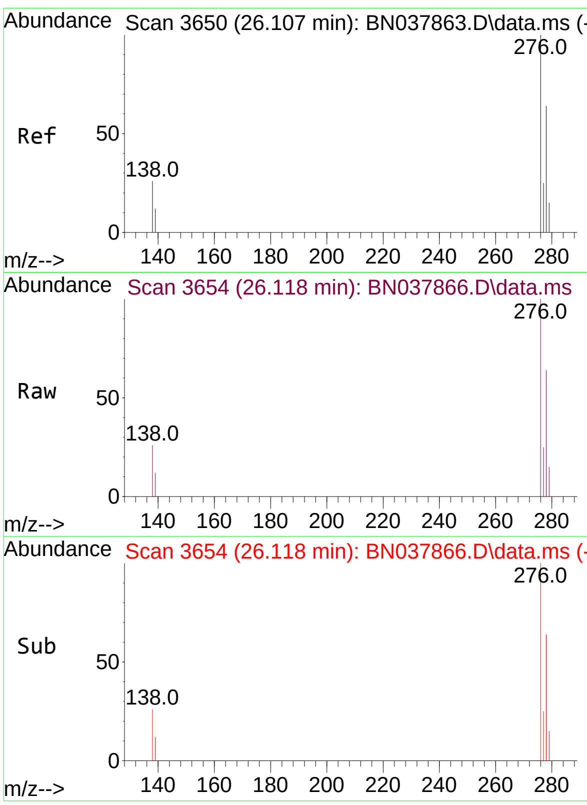
Instrument : BNA_N
ClientSampleId : SSTDICC3.2




```
#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

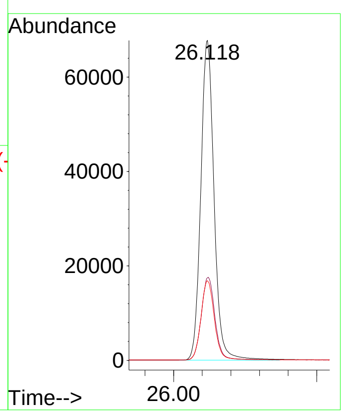
Tgt Ion:264 Resp:   13684
Ion  Ratio  Lower  Upper
264  100
260   27.8   21.5   32.3
265   66.7   53.8   80.6
```



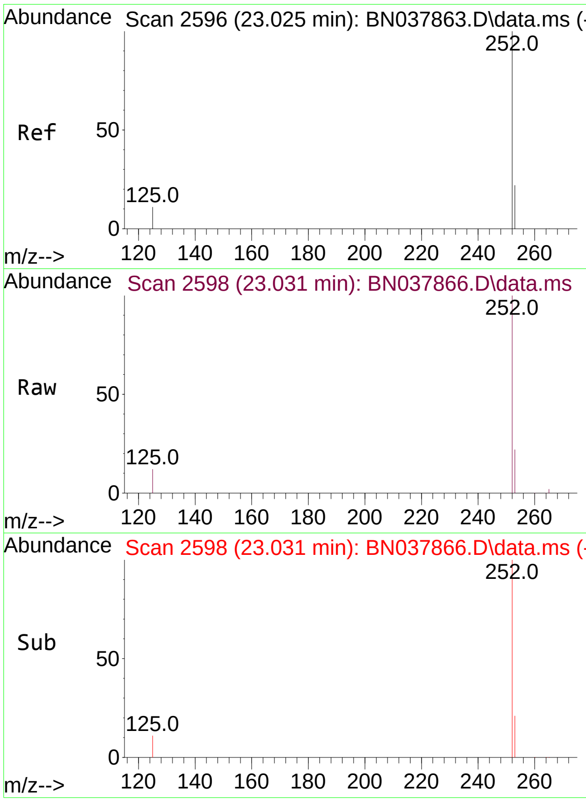



```
#36
Indeno(1,2,3-cd)pyrene
Concen:    3.494 ng
RT:  26.118 min  Scan# 3654
Delta R.T.  0.012 min
Lab File:   BN037866.D
Acq: 23 Sep 2025  15:15

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
```

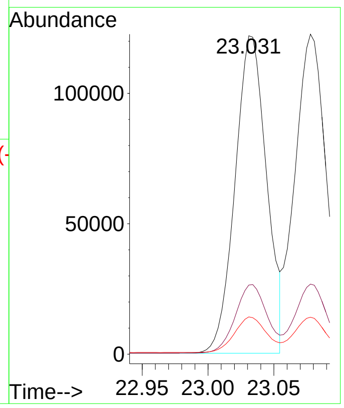


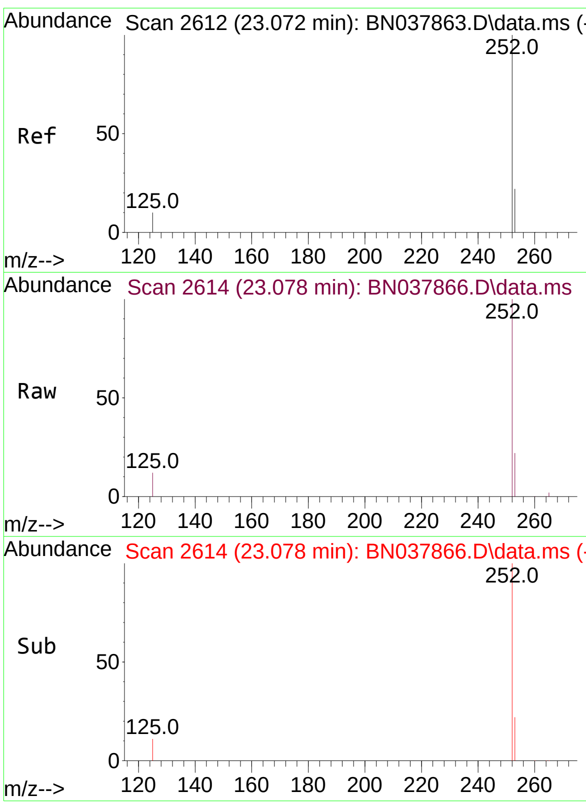
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2




```
#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

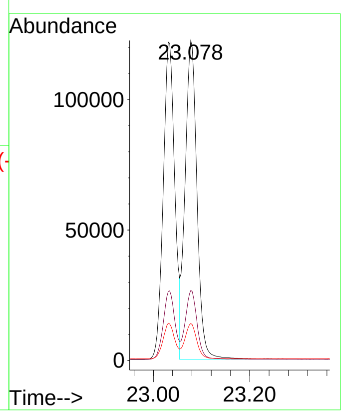
Tgt Ion:252 Resp:  202282
Ion  Ratio  Lower  Upper
252  100
253   21.7   19.4   29.0
125   11.7   13.0   19.4#
```





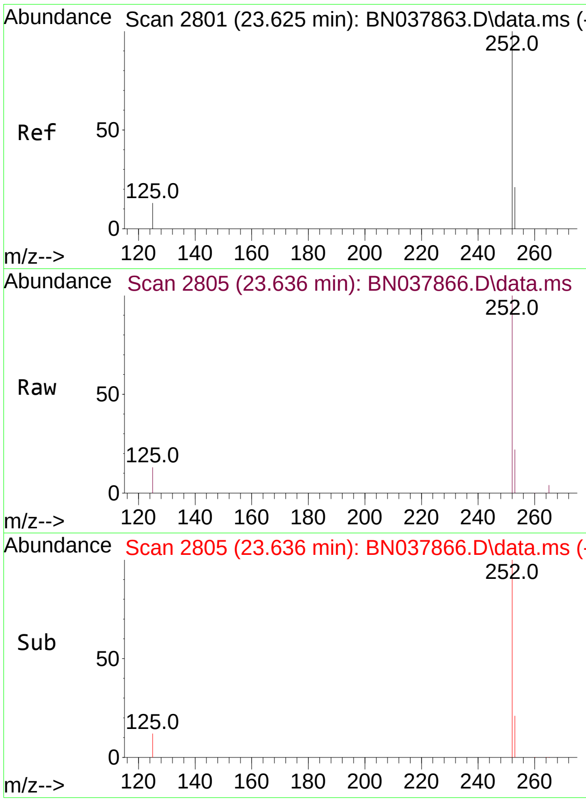

```
#38
Benzo(k)fluoranthene
Concen:    3.534 ng
RT:  23.078 min  Scan# 2614
Delta R.T.  0.006 min
Lab File:   BN037866.D
Acq: 23 Sep 2025  15:15

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#
```



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

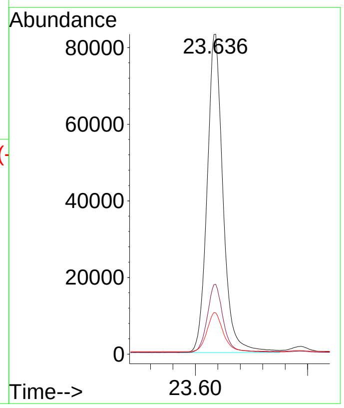
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

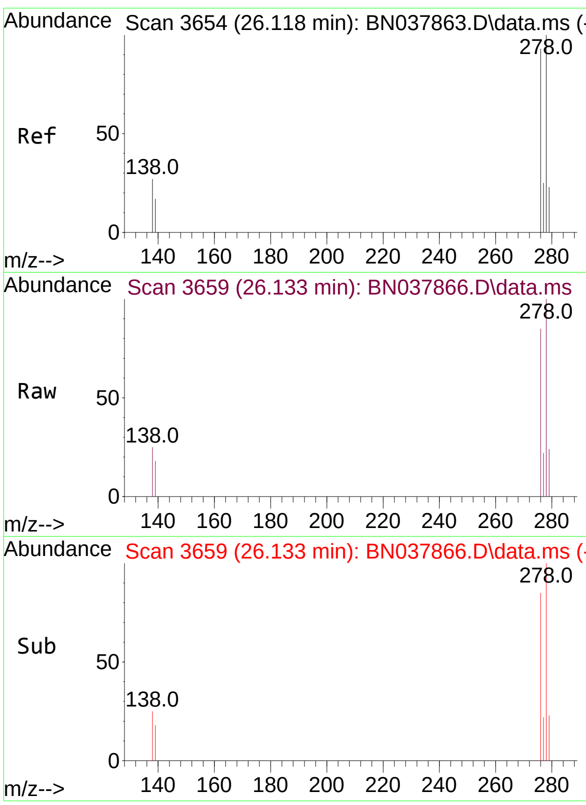


#39
Benzo(a)pyrene
Concen: 3.499 ng
RT: 23.636 min Scan# 28
Delta R.T. 0.012 min
Lab File: BN037866.D
Acq: 23 Sep 2025 15:15

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#

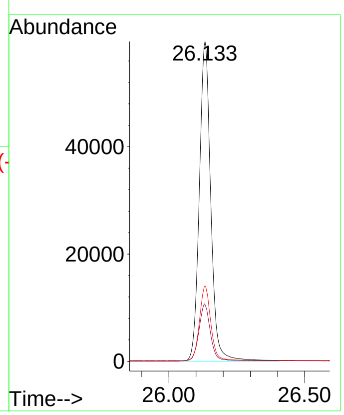




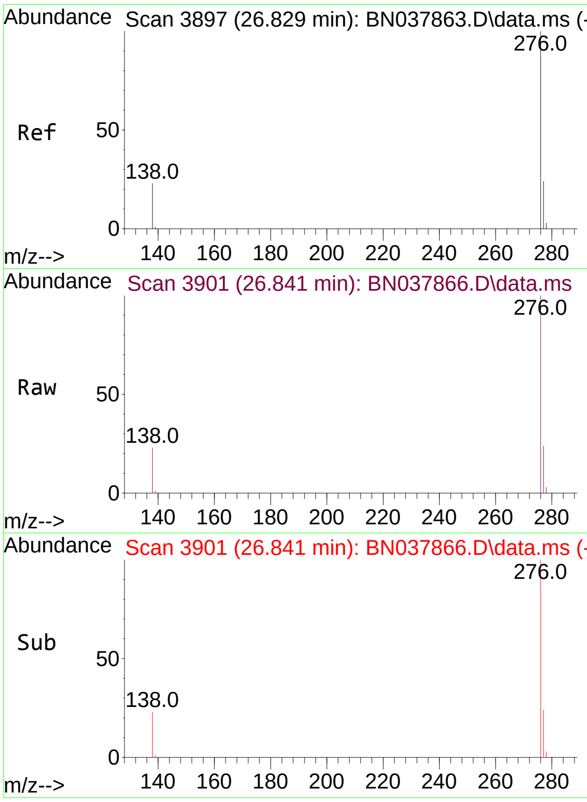
#40
Dibenzo(a,h)anthracene
Concen: 3.558 ng
RT: 26.133 min Scan# 3659
Delta R.T. 0.015 min
Lab File: BN037866.D
Acq: 23 Sep 2025 15:15

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



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

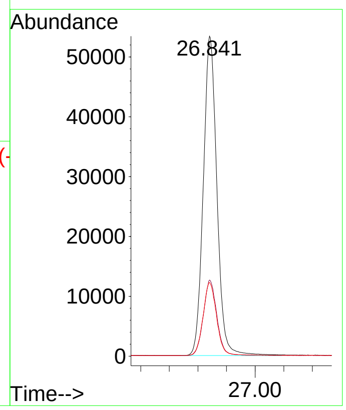


#41
Benzo(g,h,i)perylene
Concen: 3.443 ng
RT: 26.841 min Scan# 39
Delta R.T. 0.012 min
Lab File: BN037866.D
Acq: 23 Sep 2025 15:15

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



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

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

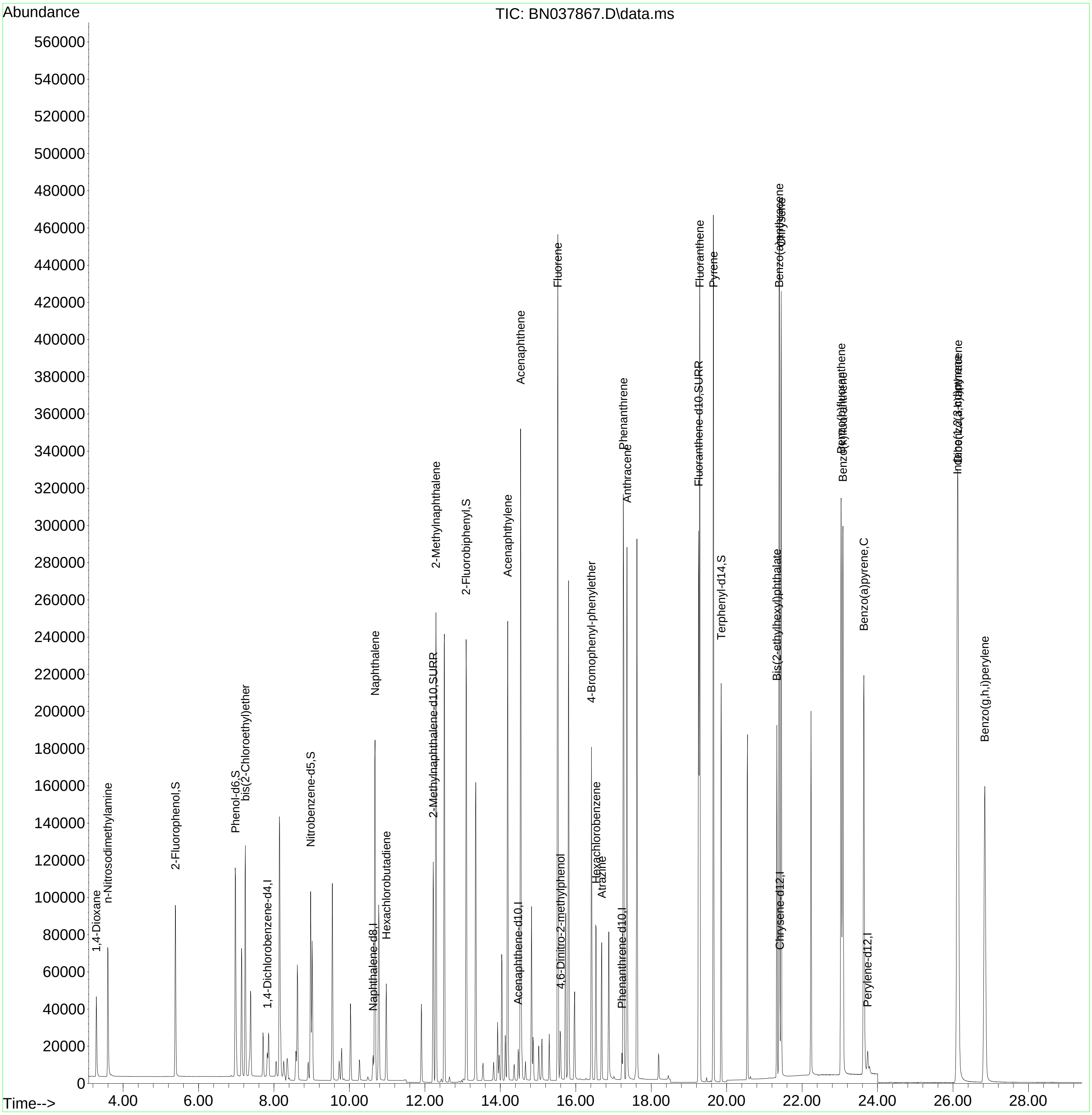
Quantitation Report   (QT Reviewed)

ICAL Form

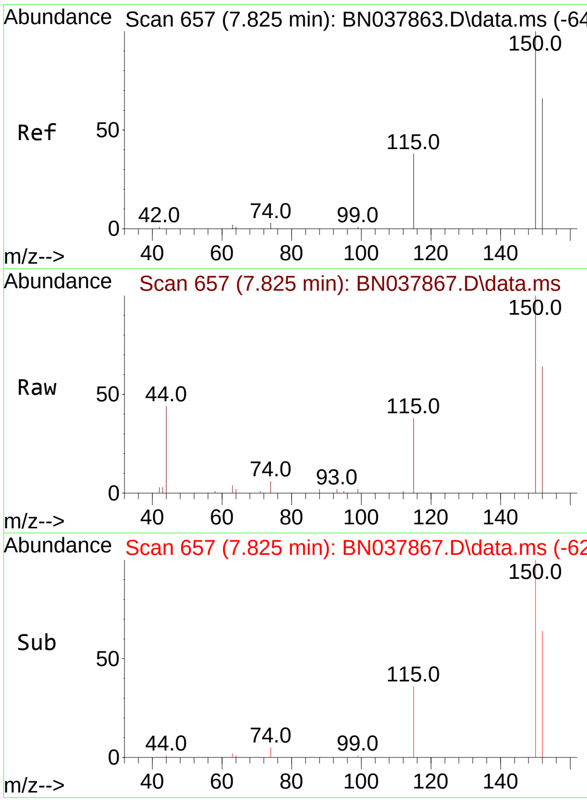
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092325\
Data File : BN037867.D
Acq On   : 23 Sep 2025 15:51
Operator : RC/JU
Sample   : SSTDICC5.0
Misc   :
ALS Vial : 8   Sample Multiplier: 1

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



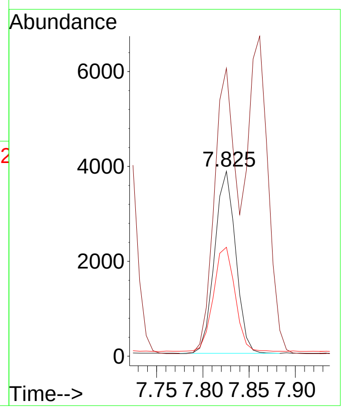
Instrument : BNA_N
ClientSampleId : SSTDICC5.0

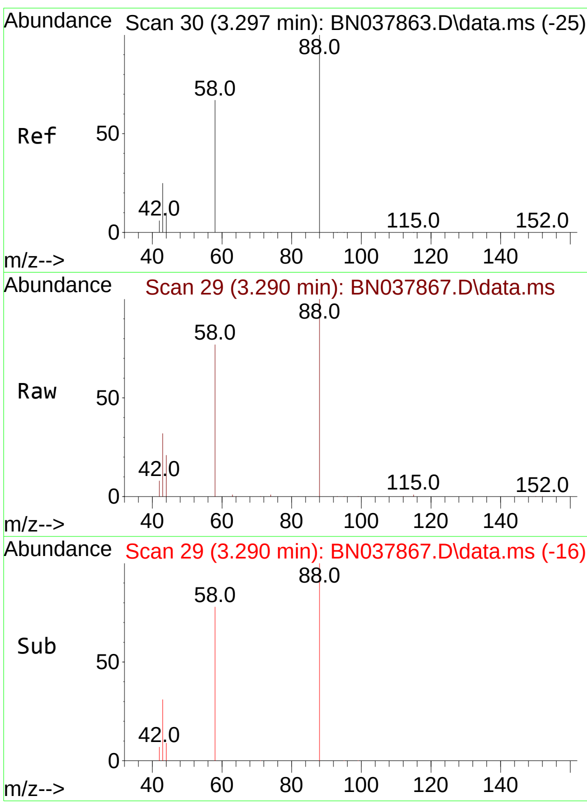


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.825 min Scan# 6
Delta R.T. 0.000 min
Lab File: BN037867.D
Acq: 23 Sep 2025 15:51

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

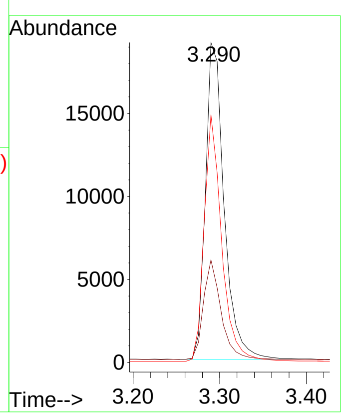




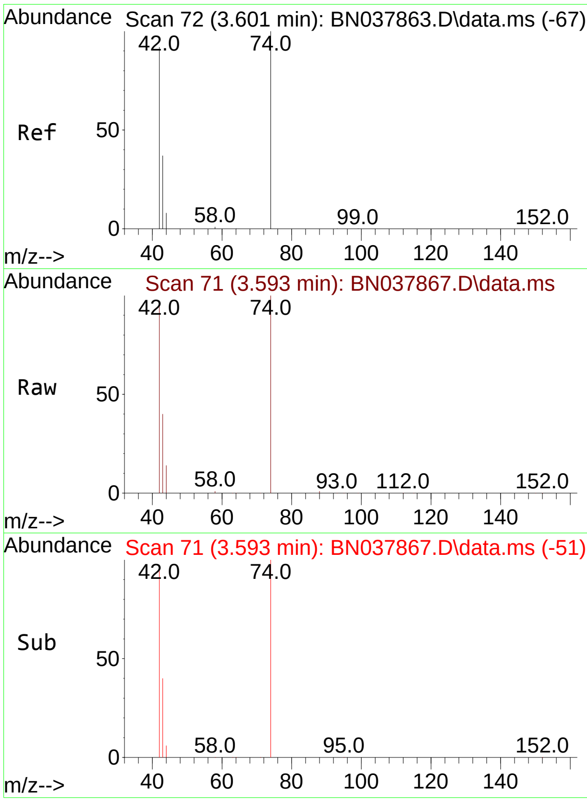
#2
1,4-Dioxane
Concen: 4.630 ng
RT: 3.290 min Scan# 29
Delta R.T. -0.007 min
Lab File: BN037867.D
Acq: 23 Sep 2025 15:51

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



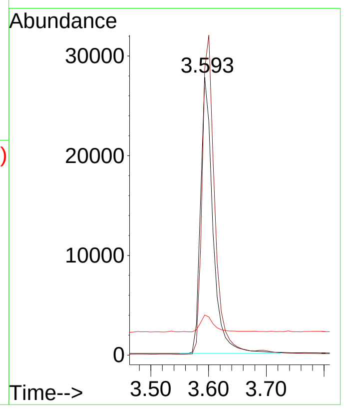
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

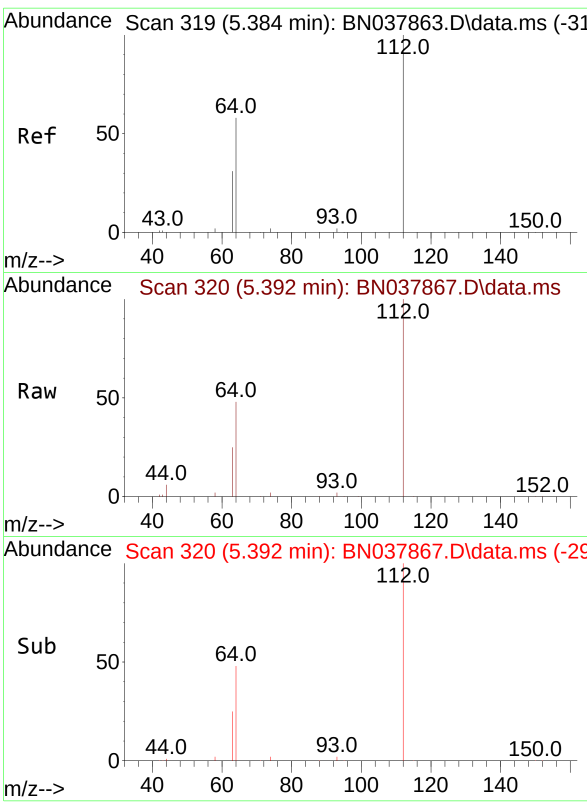


#3
n-Nitrosodimethylamine
Concen: 5.063 ng
RT: 3.593 min Scan# 71
Delta R.T. -0.007 min
Lab File: BN037867.D
Acq: 23 Sep 2025 15:51

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#

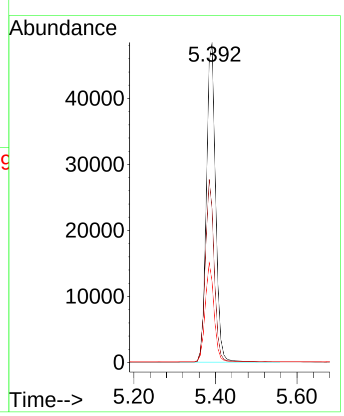




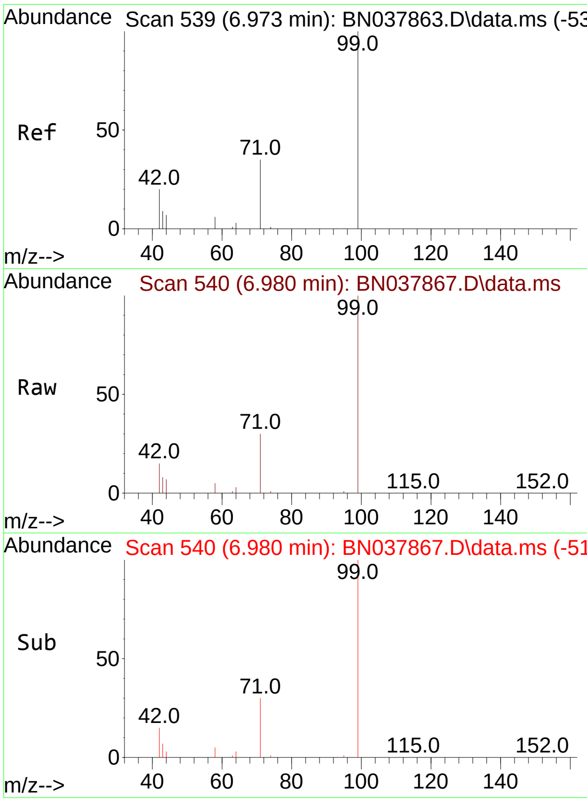
#4
2-Fluorophenol
Concen: 5.467 ng
RT: 5.392 min Scan# 320
Delta R.T. 0.007 min
Lab File: BN037867.D
Acq: 23 Sep 2025 15:51

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



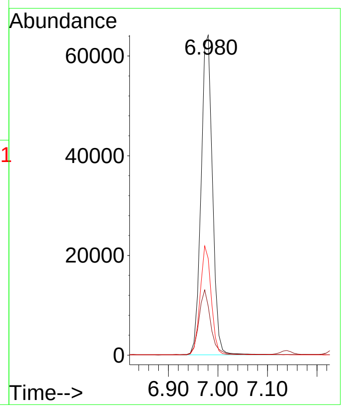
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

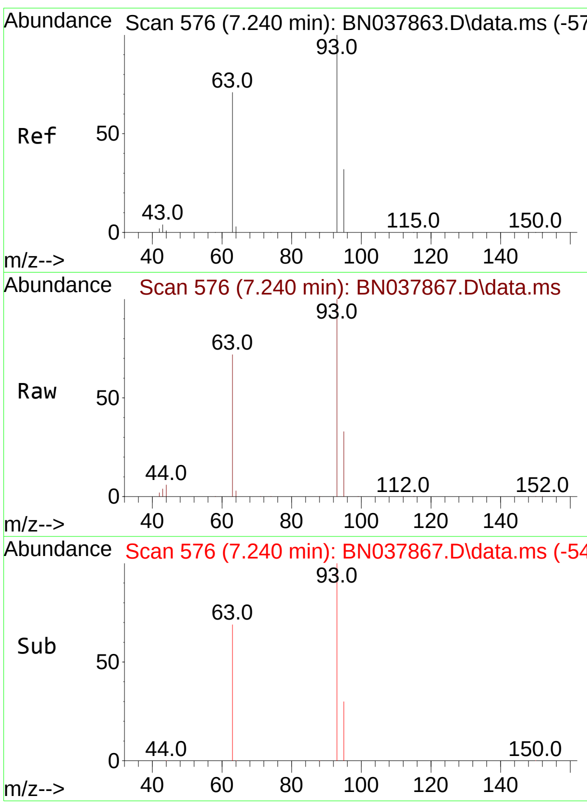


#5
Phenol-d6
Concen: 5.639 ng
RT: 6.980 min Scan# 54
Delta R.T. 0.007 min
Lab File: BN037867.D
Acq: 23 Sep 2025 15:51

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

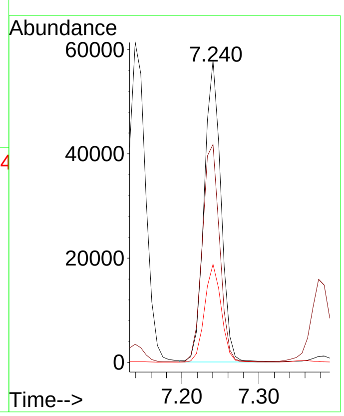




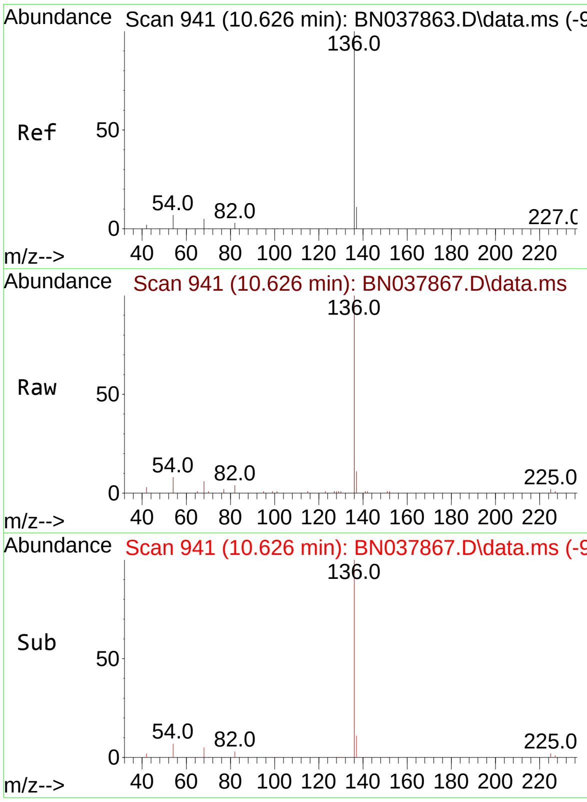
#6
bis(2-Chloroethyl)ether
Concen: 5.134 ng
RT: 7.240 min Scan# 576
Delta R.T. -0.000 min
Lab File: BN037867.D
Acq: 23 Sep 2025 15:51

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



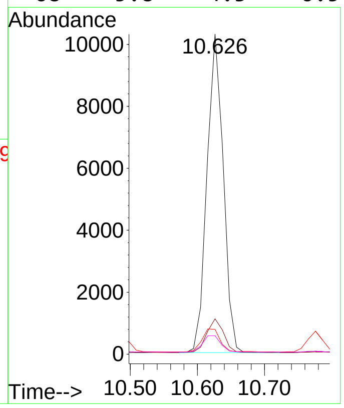
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

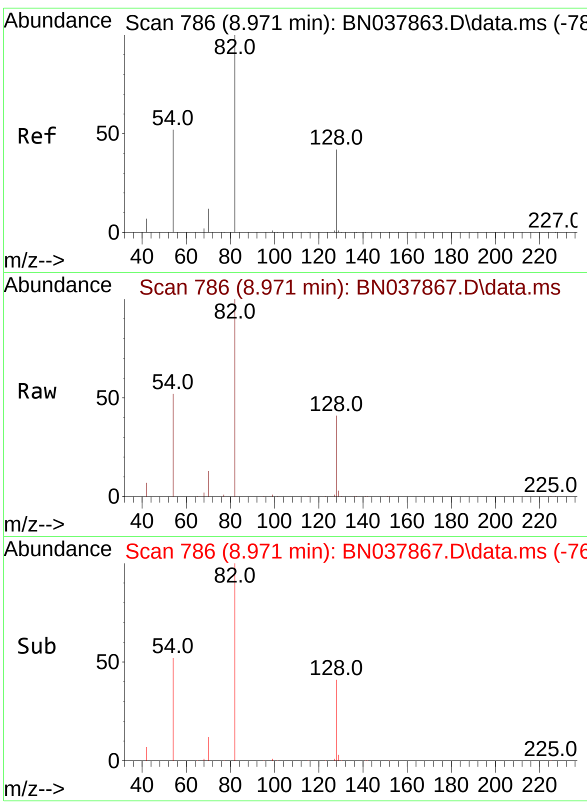


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.626 min Scan# 941
Delta R.T. -0.000 min
Lab File: BN037867.D
Acq: 23 Sep 2025 15:51

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

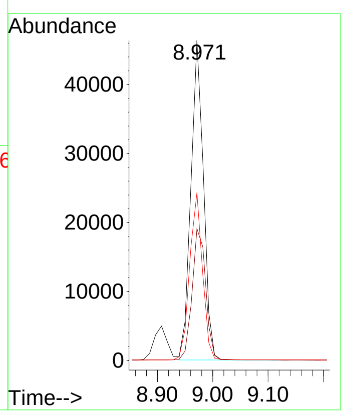




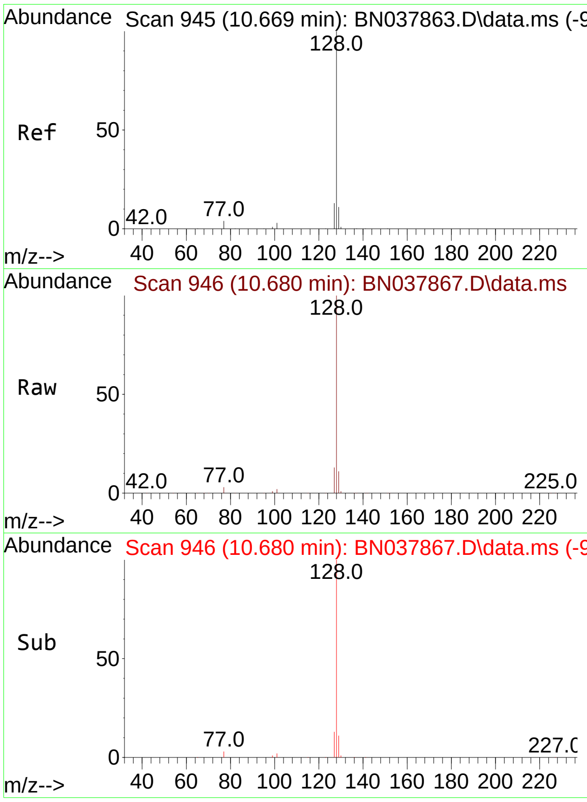
#8
Nitrobenzene-d5
Concen: 5.543 ng
RT: 8.971 min Scan# 786
Delta R.T. -0.000 min
Lab File: BN037867.D
Acq: 23 Sep 2025 15:51

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



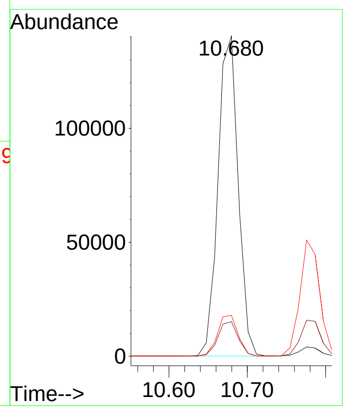
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

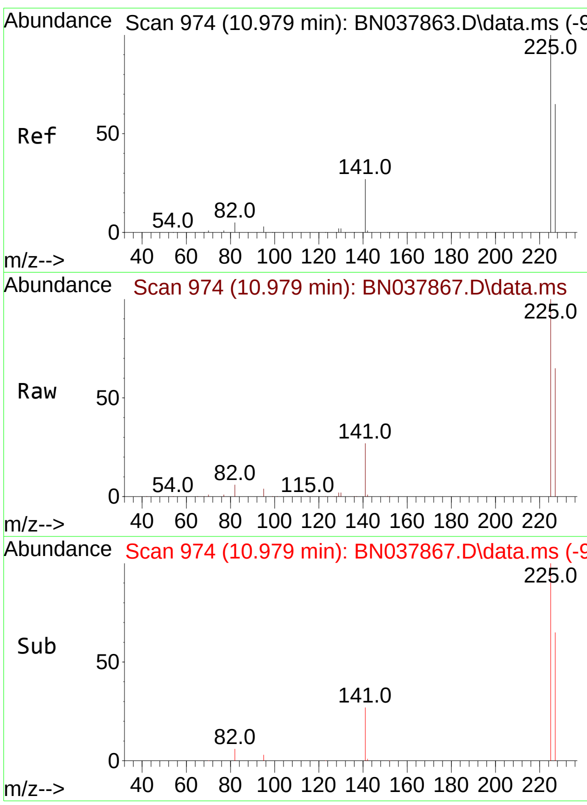


#9
Naphthalene
Concen: 5.264 ng
RT: 10.680 min   Scan# 94
Delta R.T. 0.011 min
Lab File: BN037867.D
Acq: 23 Sep 2025   15:51

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

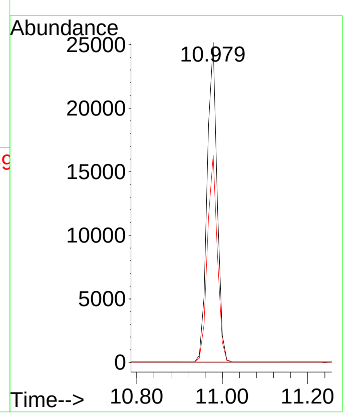




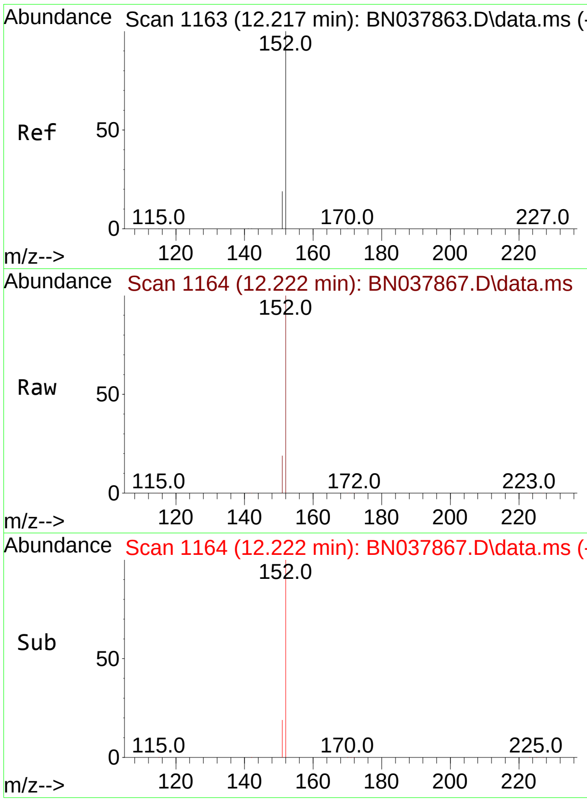
#10
Hexachlorobutadiene
Concen: 5.003 ng
RT: 10.979 min   Scan# 974
Delta R.T. -0.000 min
Lab File: BN037867.D
Acq: 23 Sep 2025   15:51

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



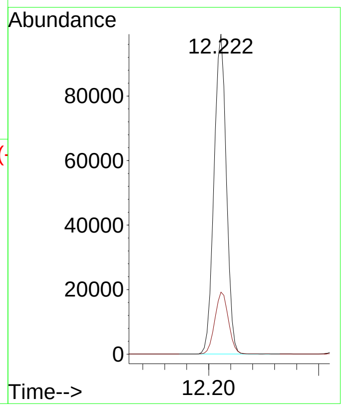
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

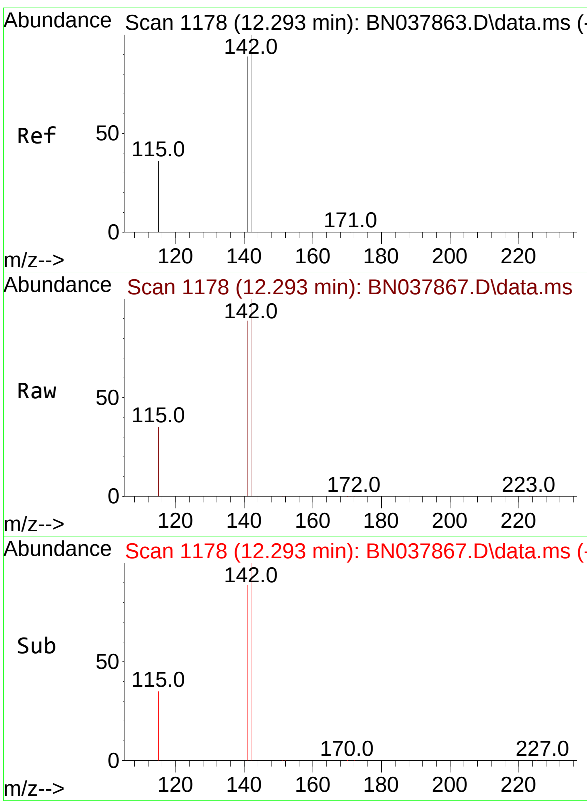


#11
2-Methylnaphthalene-d10
Concen: 6.422 ng
RT: 12.222 min Scan# 1
Delta R.T. 0.005 min
Lab File: BN037867.D
Acq: 23 Sep 2025 15:51

Tgt Ion:152 Resp: 154332

Ion	Ratio	Lower	Upper
152	100		
151	21.2	17.4	26.2

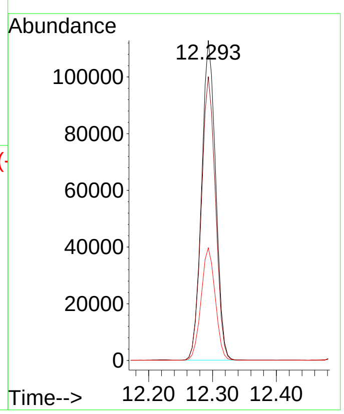


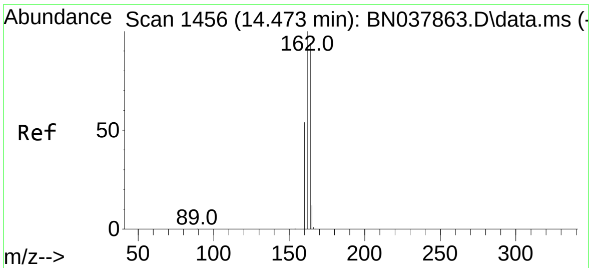


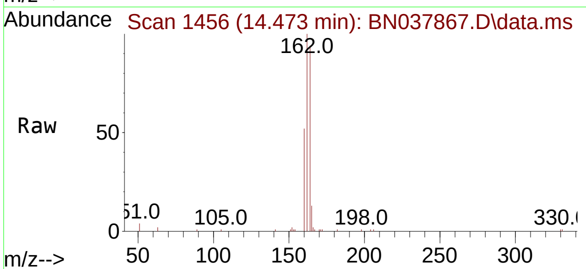
#12
2-Methylnaphthalene
Concen: 5.567 ng
RT: 12.293 min Scan# 1178
Delta R.T. -0.000 min
Lab File: BN037867.D
Acq: 23 Sep 2025 15:51

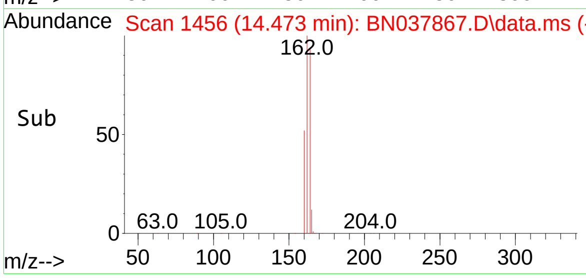
Tgt Ion:142 Resp: 173335

Ion	Ratio	Lower	Upper
142	100		
141	88.7	71.2	106.8
115	35.2	29.7	44.5







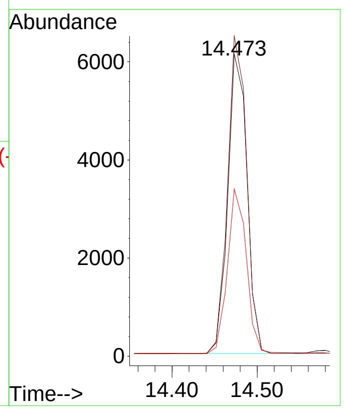


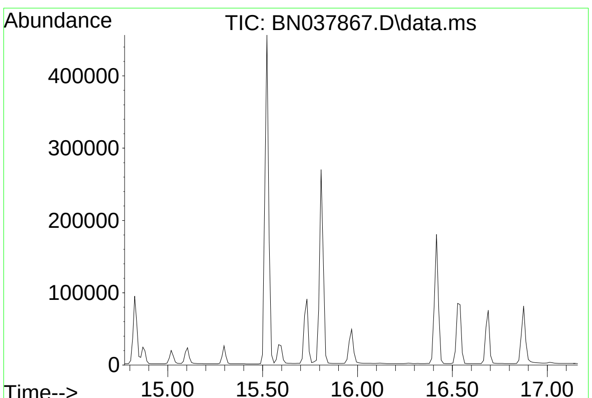
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.473 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN037867.D
Acq: 23 Sep 2025 15:51

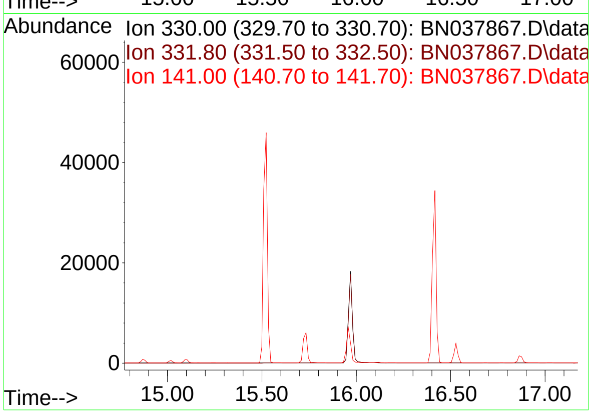
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

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







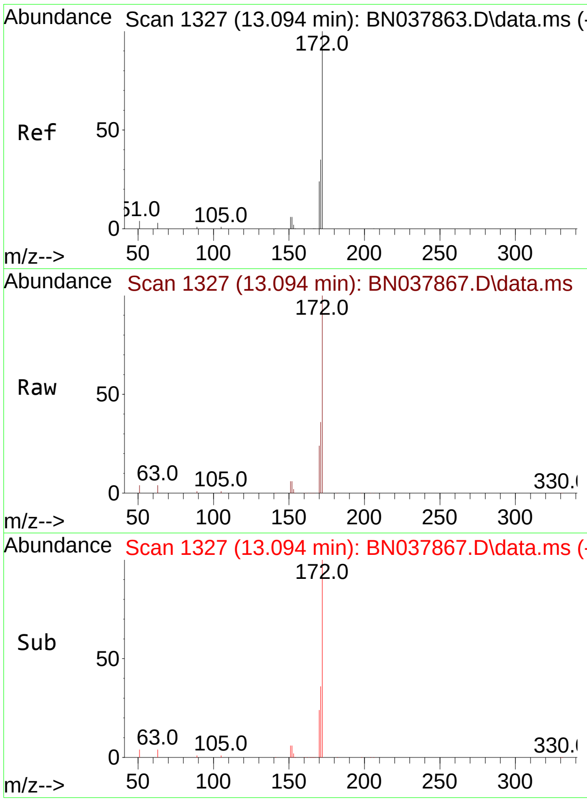
#14
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 15.97 min

Lab File: BN037867.D
Acq: 23 Sep 2025 15:51

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	96.5
141	46.5

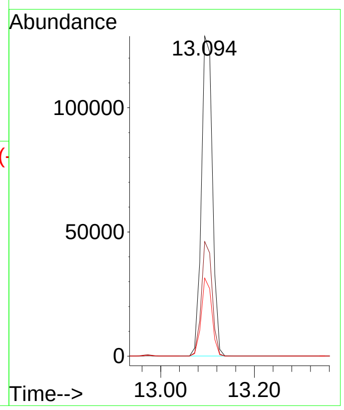
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

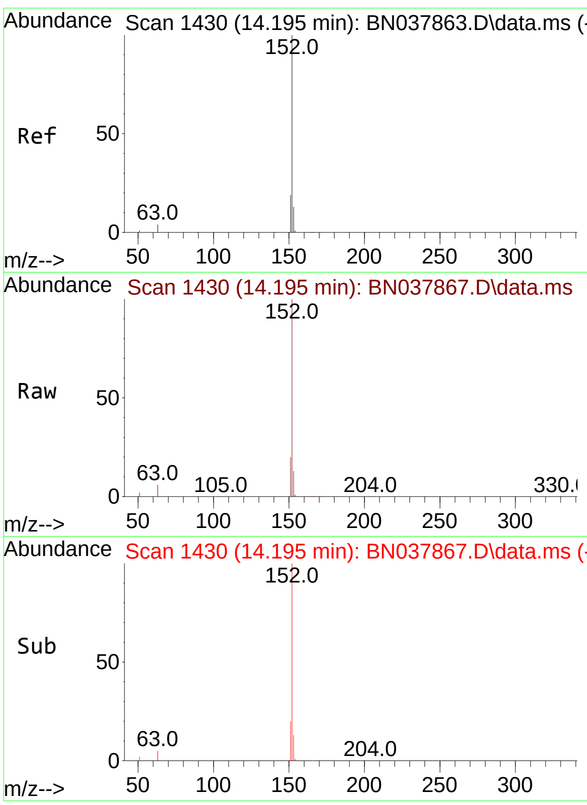


#15
2-Fluorobiphenyl
Concen: 5.379 ng
RT: 13.094 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037867.D
Acq: 23 Sep 2025 15:51

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

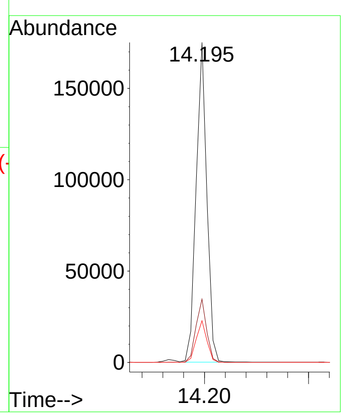




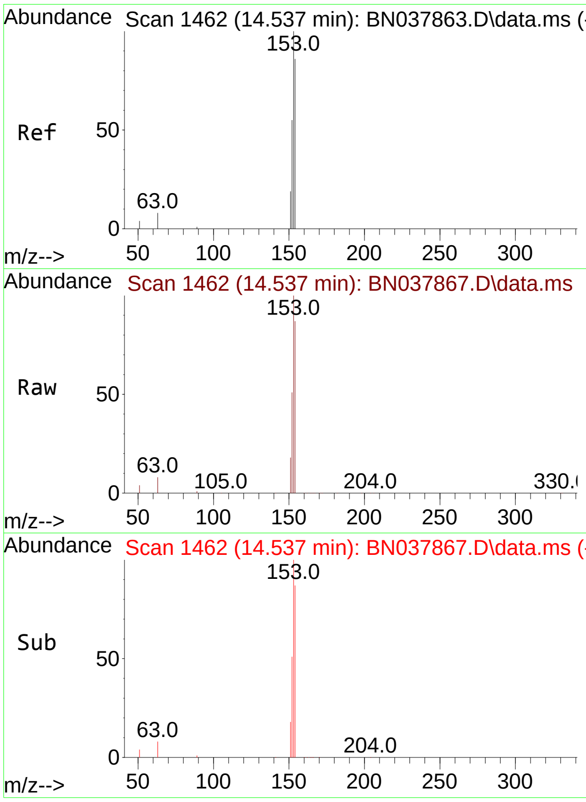
#16
Acenaphthylene
Concen: 5.765 ng
RT: 14.195 min Scan# 1430
Delta R.T. -0.000 min
Lab File: BN037867.D
Acq: 23 Sep 2025 15:51

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



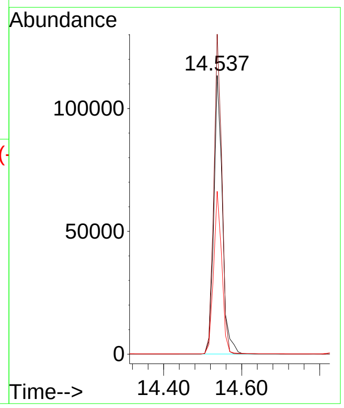
Instrument : BNA_N
ClientSampleId : SSTDICC5.0

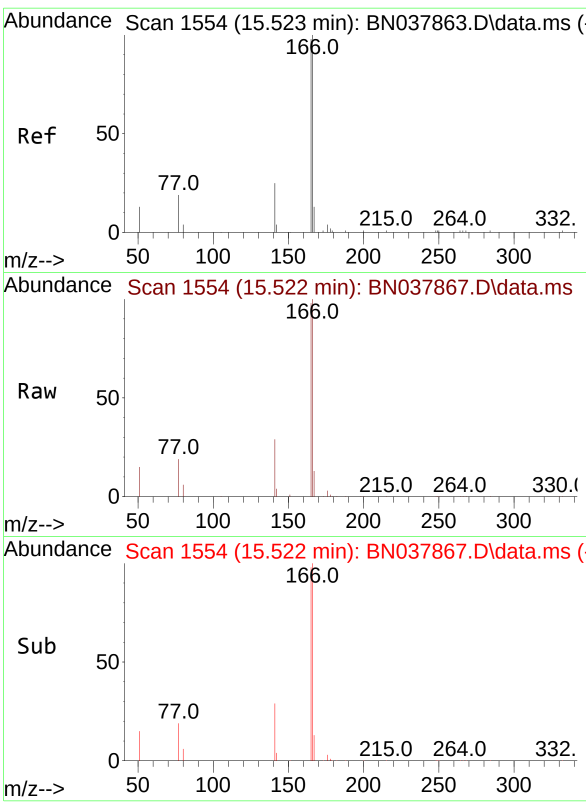


#17
Acenaphthene
Concen: 5.554 ng
RT: 14.537 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN037867.D
Acq: 23 Sep 2025 15:51

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

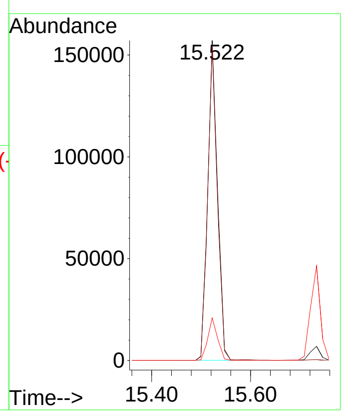




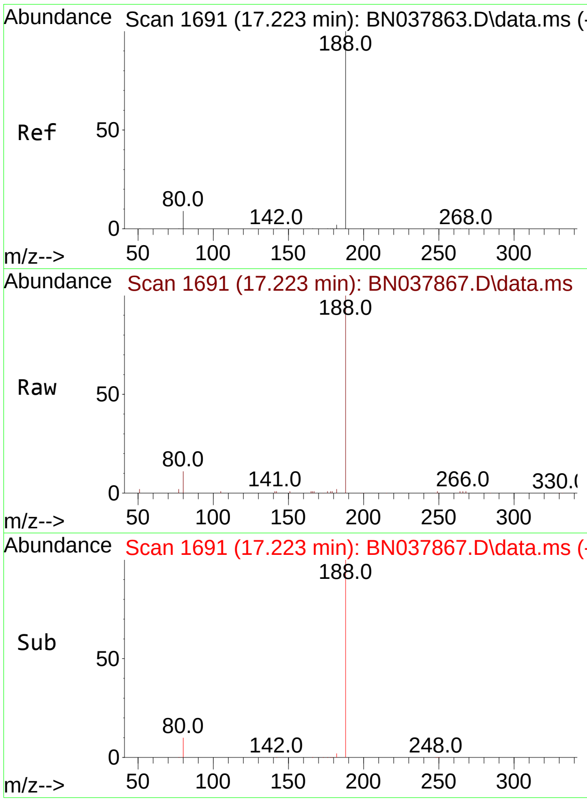
#18
Fluorene
Concen: 5.583 ng
RT: 15.522 min Scan# 1554
Delta R.T. -0.000 min
Lab File: BN037867.D
Acq: 23 Sep 2025 15:51

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



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

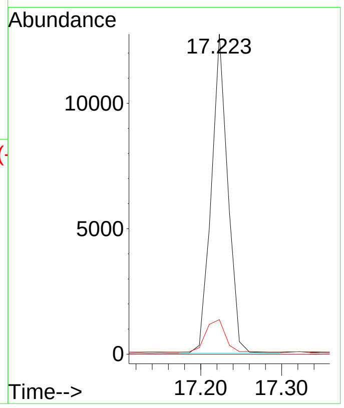


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.223 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN037867.D
Acq: 23 Sep 2025 15:51

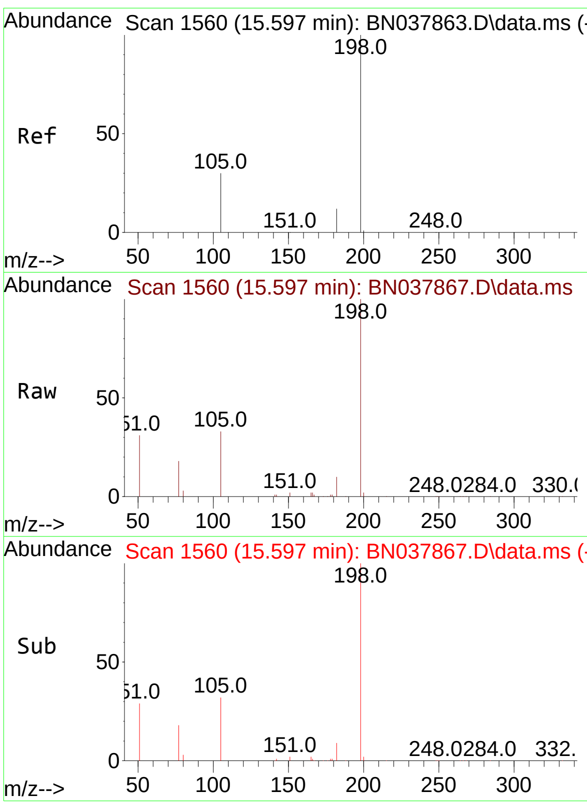
Instrument : BNA_N
ClientSampleId : SSTDICC5.0

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



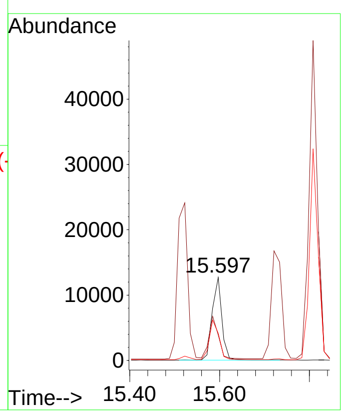
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17



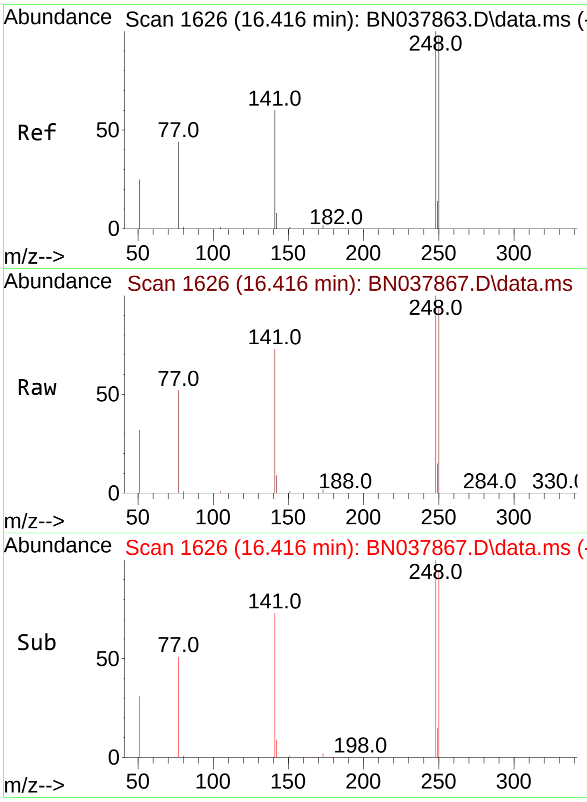
#20
4,6-Dinitro-2-methylphenol
Concen: 4.997 ng
RT: 15.597 min Scan# 1560
Delta R.T. -0.000 min
Lab File: BN037867.D
Acq: 23 Sep 2025 15:51

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#



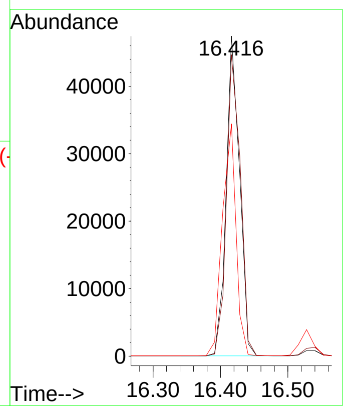
Instrument : BNA_N
ClientSampleId : SSTDICC5.0

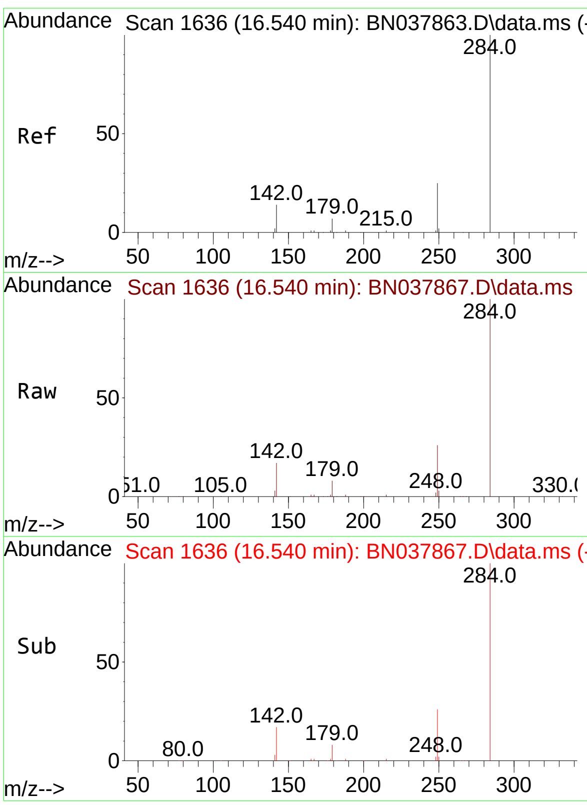


#21
4-Bromophenyl-phenylether
Concen: 5.577 ng
RT: 16.416 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN037867.D
Acq: 23 Sep 2025 15:51

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

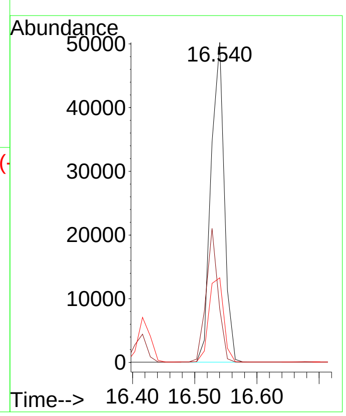




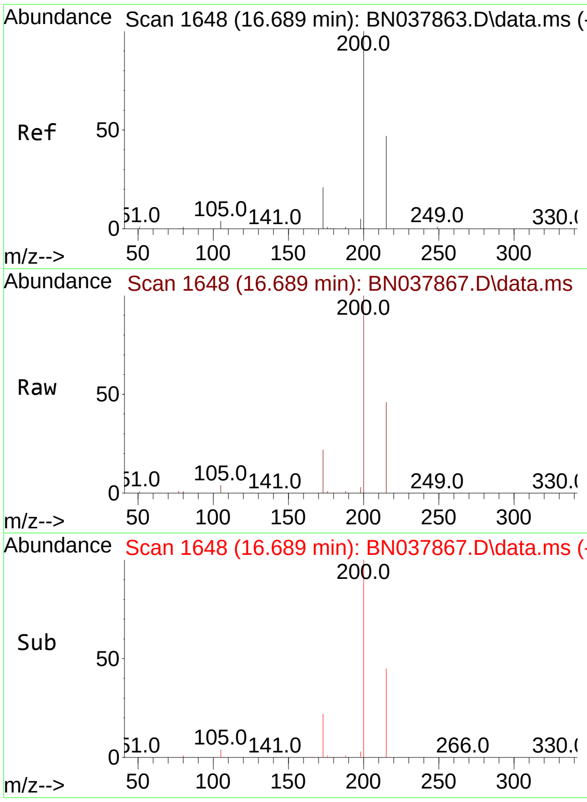
#22
Hexachlorobenzene
Concen: 5.252 ng
RT: 16.540 min Scan# 1636
Delta R.T. -0.000 min
Lab File: BN037867.D
Acq: 23 Sep 2025 15:51

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



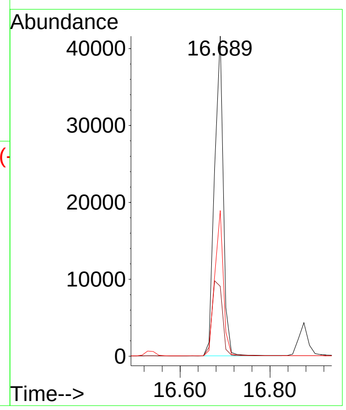
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

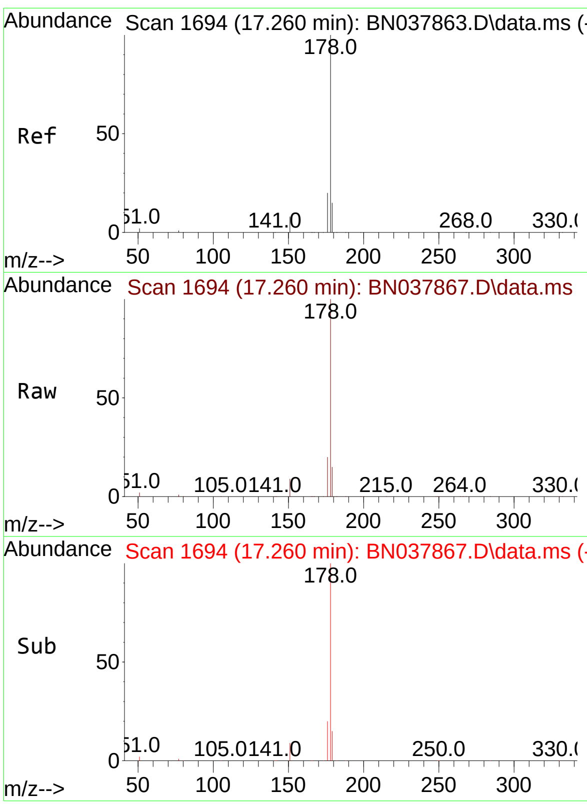


#23
Atrazine
Concen: 6.284 ng
RT: 16.689 min Scan# 1648
Delta R.T. -0.000 min
Lab File: BN037867.D
Acq: 23 Sep 2025 15:51

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

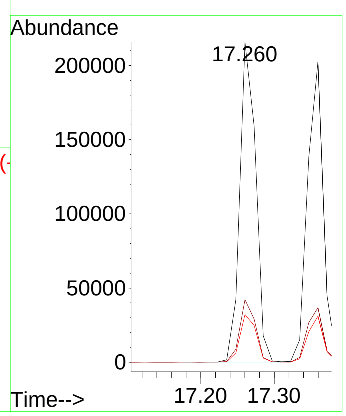




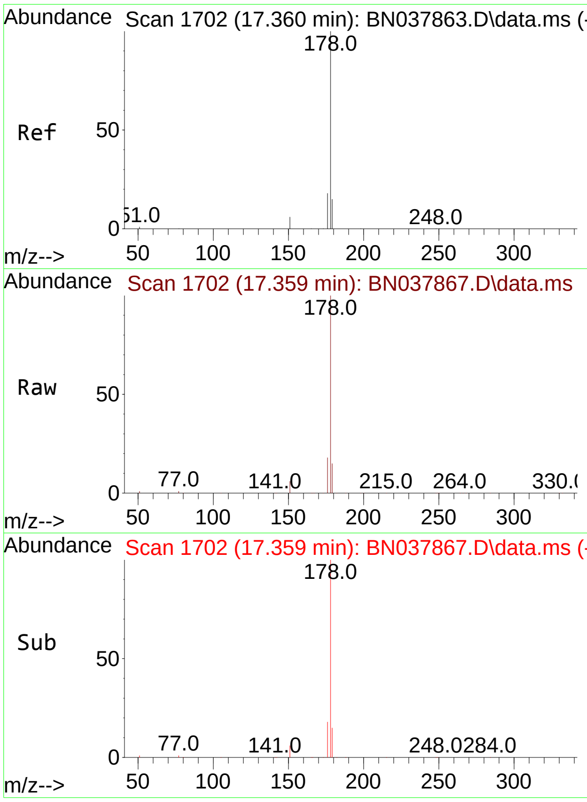
#25
Phenanthrene
Concen: 5.514 ng
RT: 17.260 min Scan# 1694
Delta R.T. -0.000 min
Lab File: BN037867.D
Acq: 23 Sep 2025 15:51

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

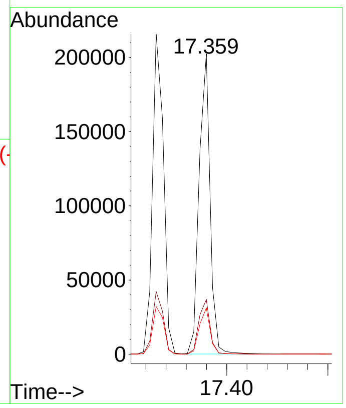


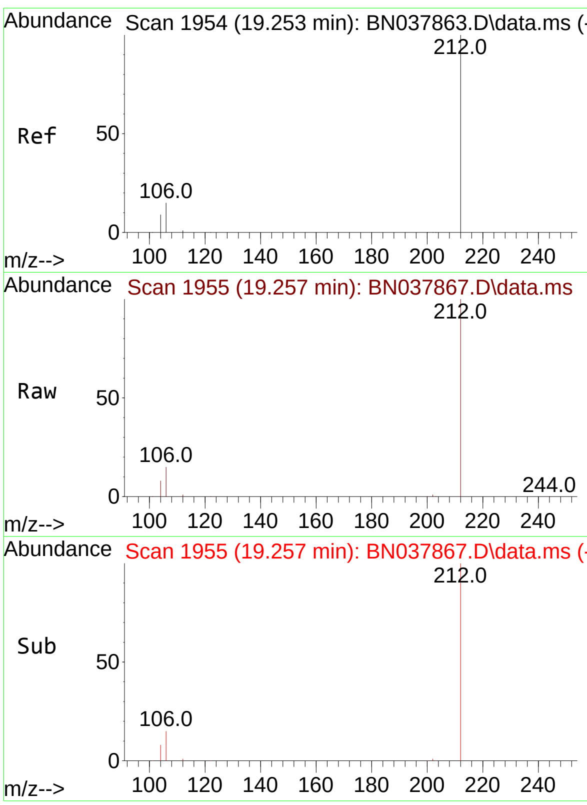
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0




```
#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

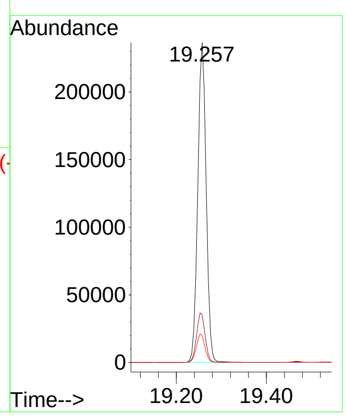
Tgt Ion:178 Resp:  305295
Ion  Ratio  Lower  Upper
178  100
176   18.6   15.0   22.4
179   15.2   12.3   18.5
```



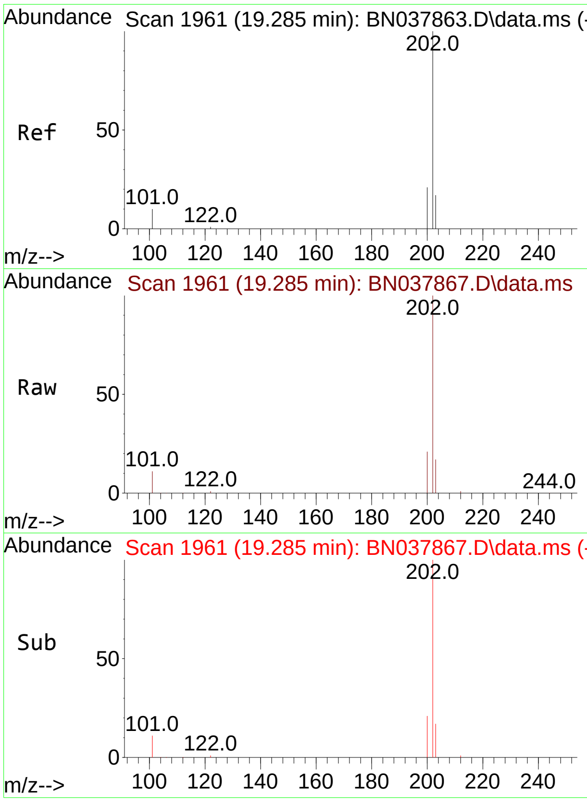



```
#27
Fluoranthene-d10
Concen:    6.807 ng
RT:  19.257 min  Scan# 1955
Delta R.T.  0.005 min
Lab File:   BN037867.D
Acq: 23 Sep 2025  15:51

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
```



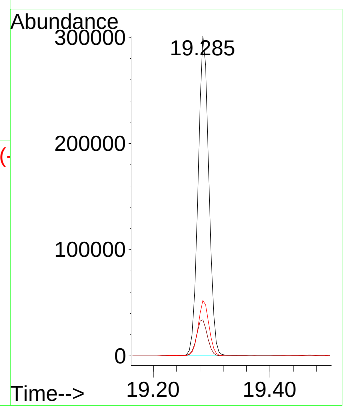
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

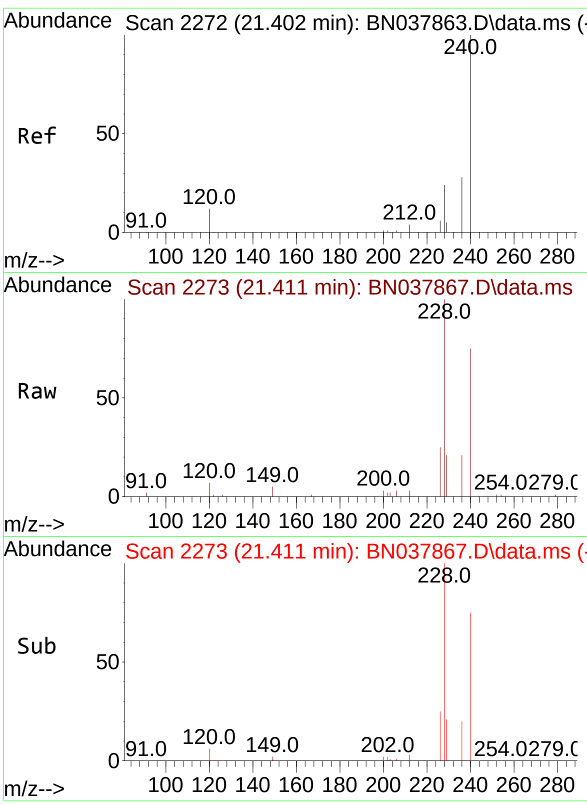


#28
Fluoranthene
Concen: 5.908 ng
RT: 19.285 min Scan# 1
Delta R.T.   -0.000 min
Lab File: BN037867.D
Acq: 23 Sep 2025 15:51

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

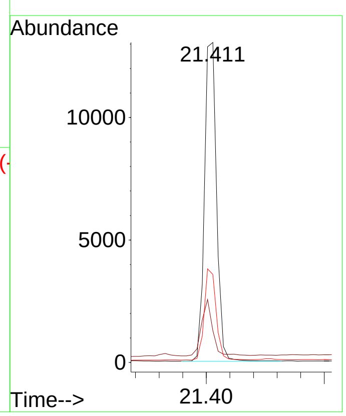




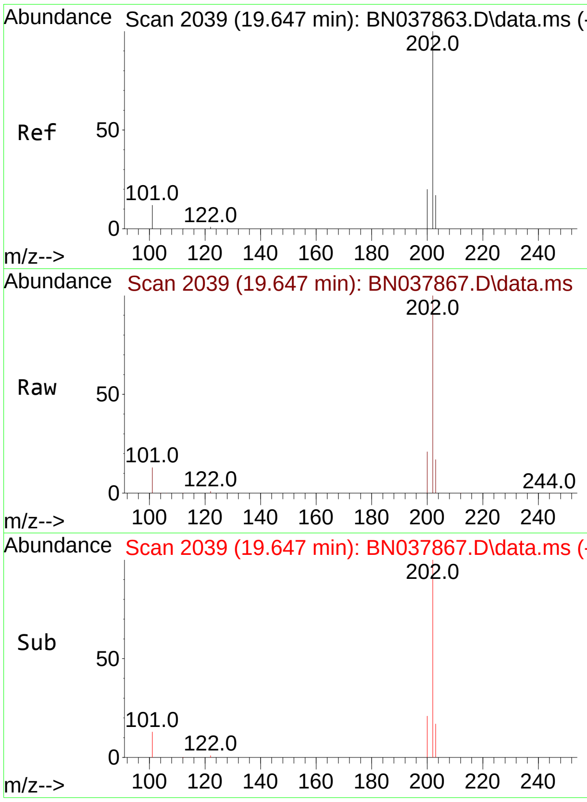
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.411 min Scan# 2273
Delta R.T.   0.009 min
Lab File: BN037867.D
Acq: 23 Sep 2025 15:51

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

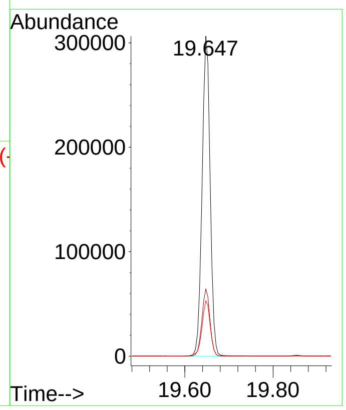


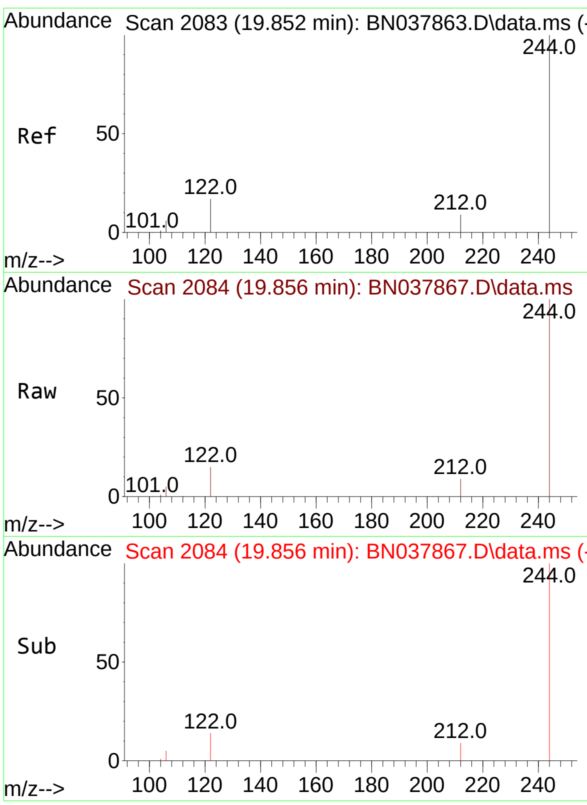
Instrument : BNA_N
ClientSampleId : SSTDICC5.0




```
#30
Pyrene
Concen:    5.315 ng
RT:  19.647 min  Scan# 20
Delta R.T.  -0.000 min
Lab File:   BN037867.D
Acq: 23 Sep 2025  15:51

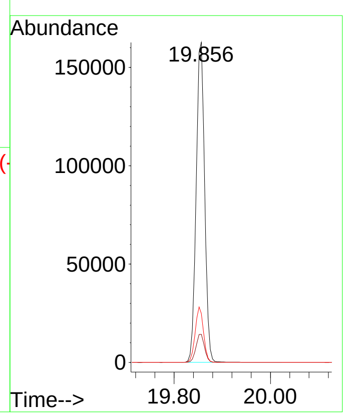
Tgt Ion:202 Resp:  388849
Ion  Ratio  Lower  Upper
202  100
200   21.0   16.7   25.1
203   17.7   14.2   21.4
```



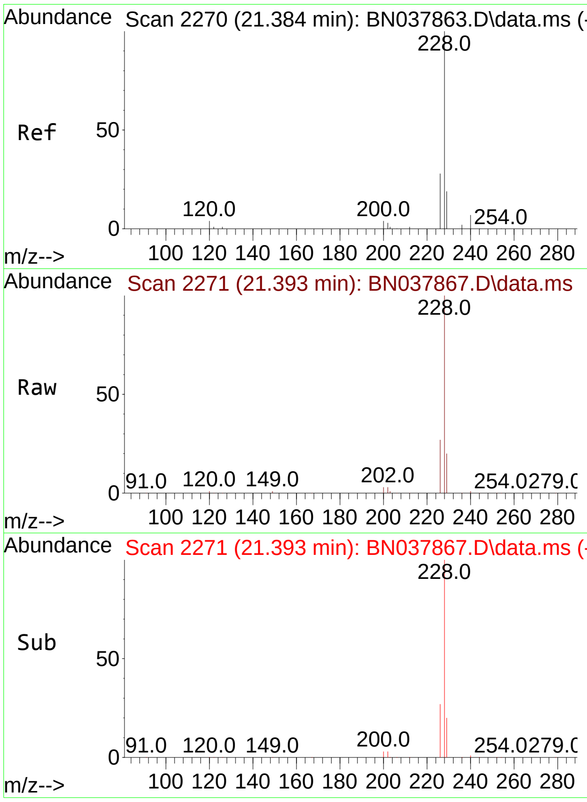



```
#31
Terphenyl-d14
Concen:    5.606 ng
RT:  19.856 min  Scan# 2084
Delta R.T.  0.005 min
Lab File:   BN037867.D
Acq: 23 Sep 2025  15:51

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
```



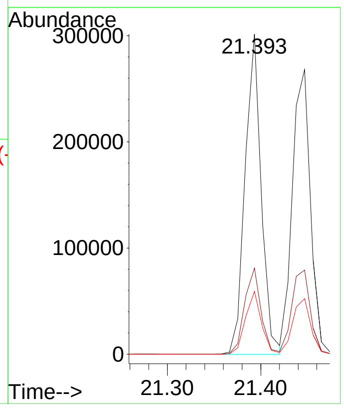
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

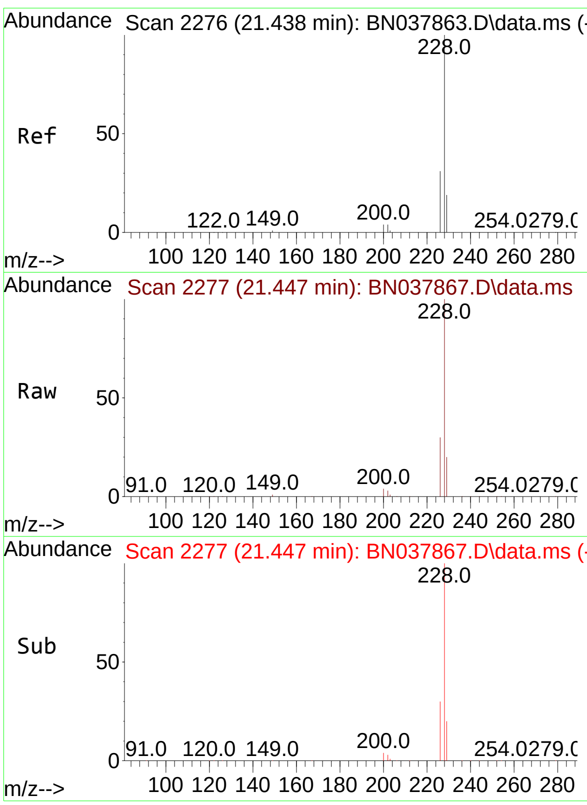


#32
Benzo(a)anthracene
Concen: 5.604 ng
RT: 21.393 min Scan# 2
Delta R.T. 0.009 min
Lab File: BN037867.D
Acq: 23 Sep 2025 15:51

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

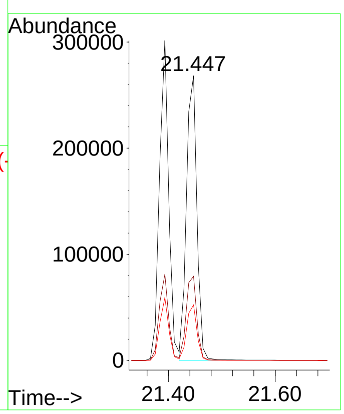




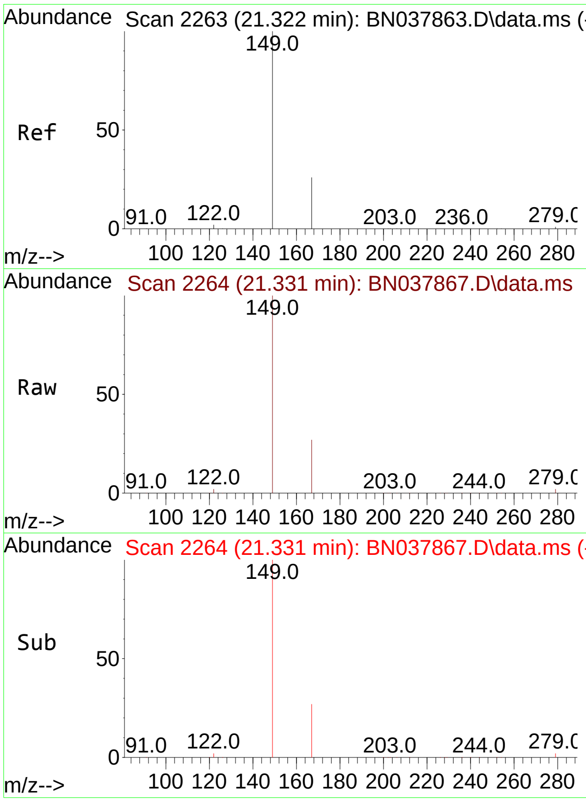
#33
Chrysene
Concen: 5.189 ng
RT: 21.447 min Scan# 2277
Delta R.T. 0.009 min
Lab File: BN037867.D
Acq: 23 Sep 2025 15:51

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



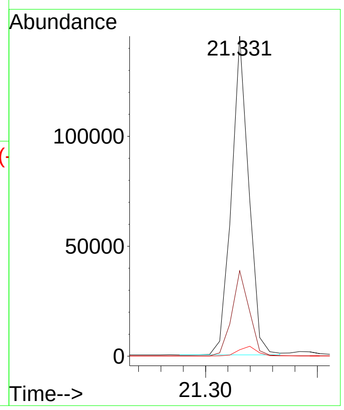
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

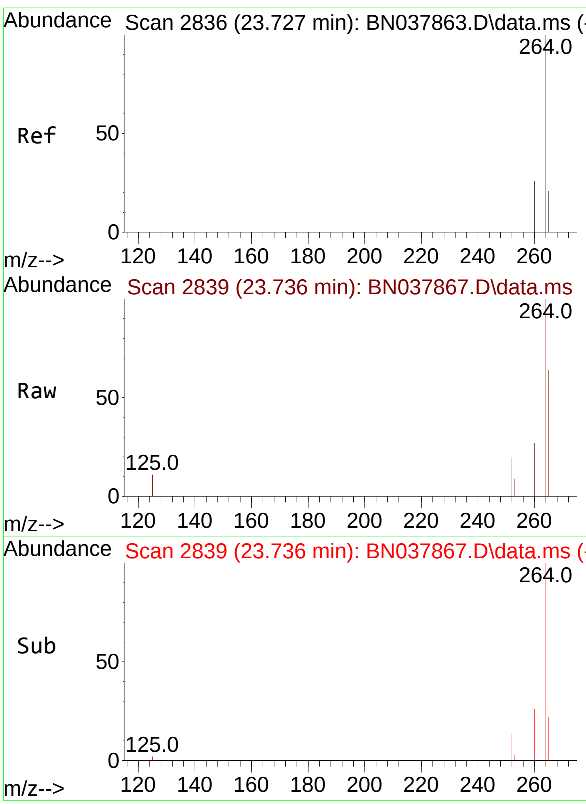


#34
Bis(2-ethylhexyl)phthalate
Concen: 6.109 ng
RT: 21.331 min Scan# 2
Delta R.T. 0.009 min
Lab File: BN037867.D
Acq: 23 Sep 2025 15:51

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

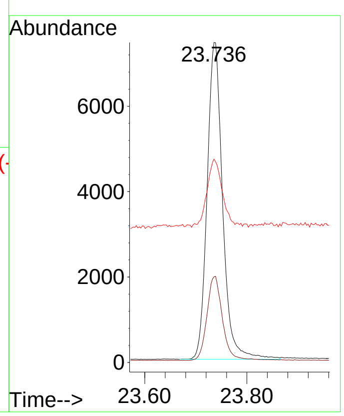




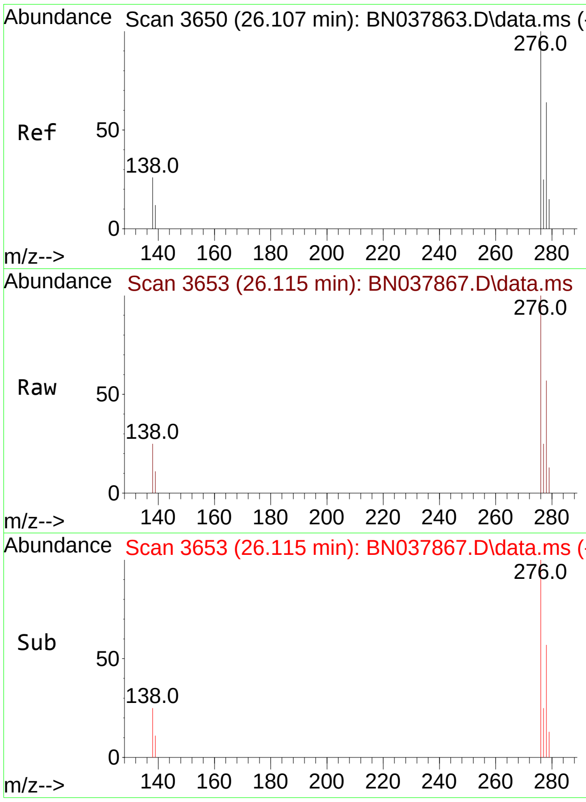
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.736 min Scan# 2839
Delta R.T. 0.009 min
Lab File: BN037867.D
Acq: 23 Sep 2025 15:51

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



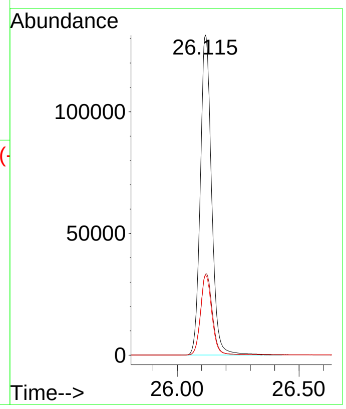
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

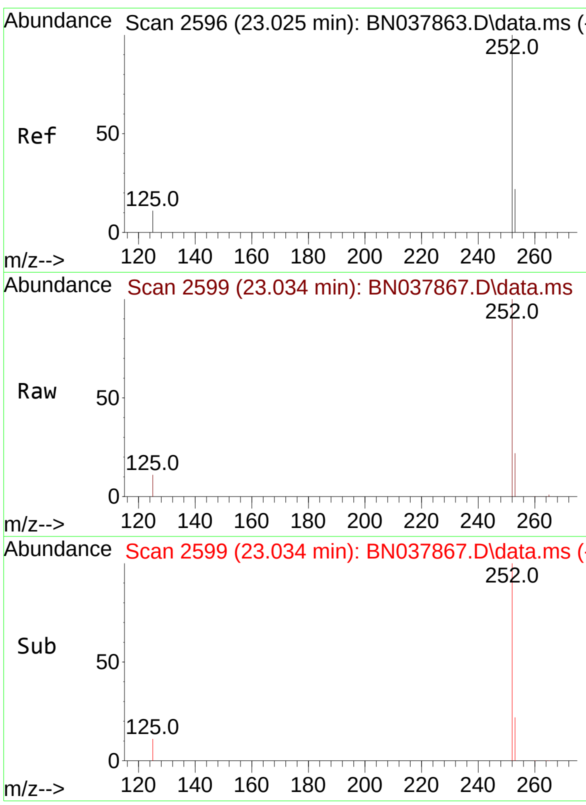


#36
Indeno(1,2,3-cd)pyrene
Concen: 5.906 ng
RT: 26.115 min Scan# 3
Delta R.T. 0.009 min
Lab File: BN037867.D
Acq: 23 Sep 2025 15:51

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

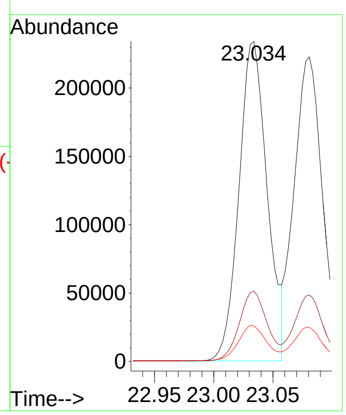




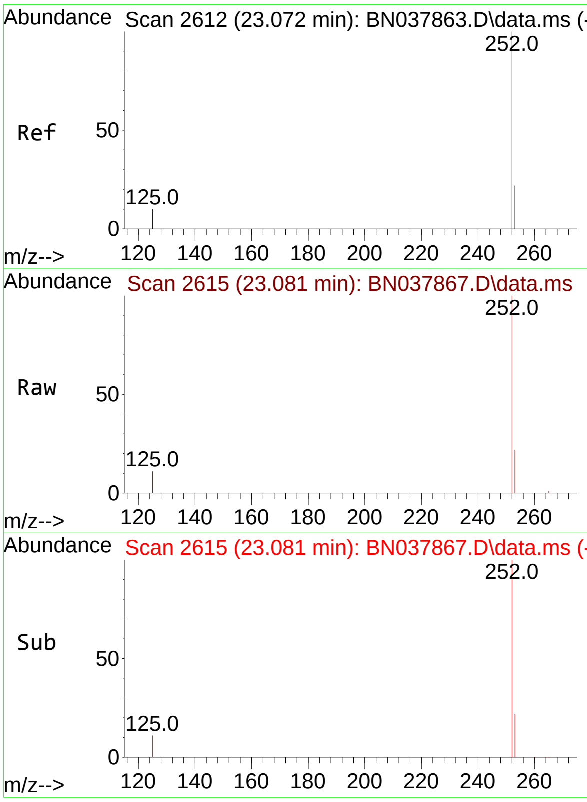
#37
Benzo(b)fluoranthene
Concen: 5.742 ng
RT: 23.034 min Scan# 2599
Delta R.T. 0.009 min
Lab File: BN037867.D
Acq: 23 Sep 2025 15:51

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#



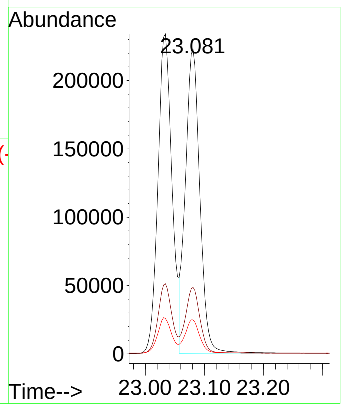
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

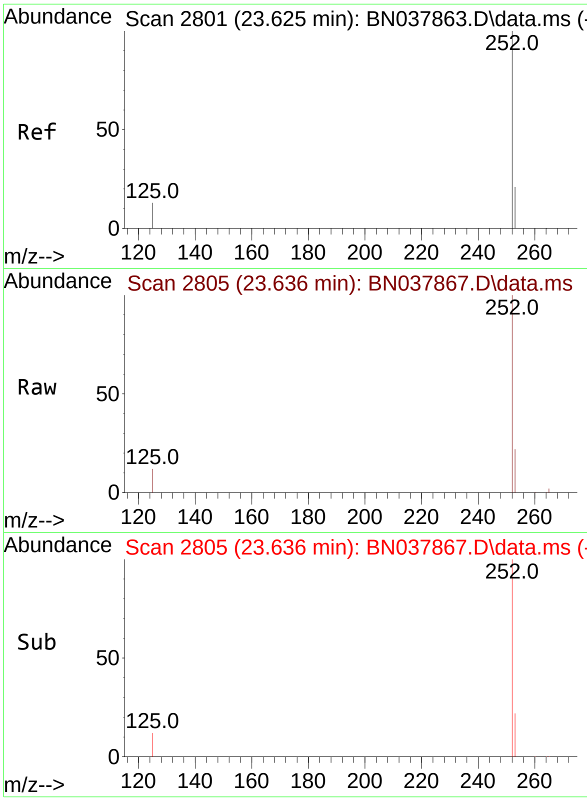


#38
Benzo(k)fluoranthene
Concen: 5.548 ng
RT: 23.081 min Scan# 2(
Delta R.T. 0.009 min
Lab File: BN037867.D
Acq: 23 Sep 2025 15:51

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#

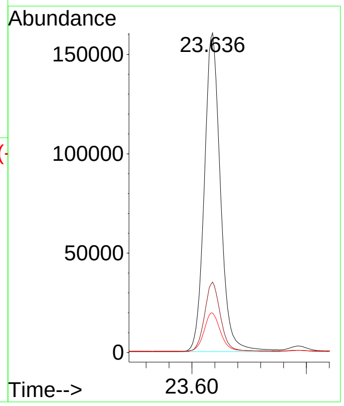




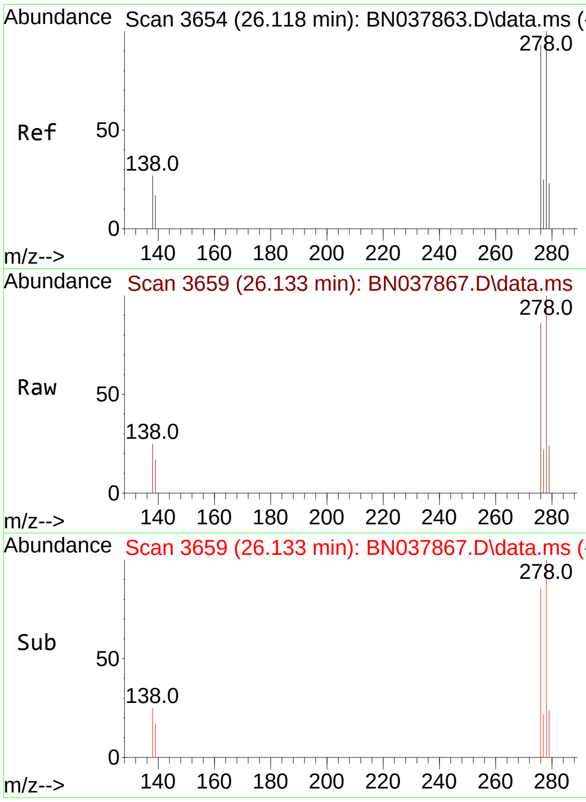
#39
Benzo(a)pyrene
Concen: 5.900 ng
RT: 23.636 min Scan# 2805
Delta R.T. 0.012 min
Lab File: BN037867.D
Acq: 23 Sep 2025 15:51

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#



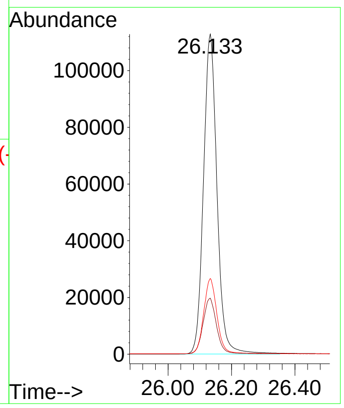
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

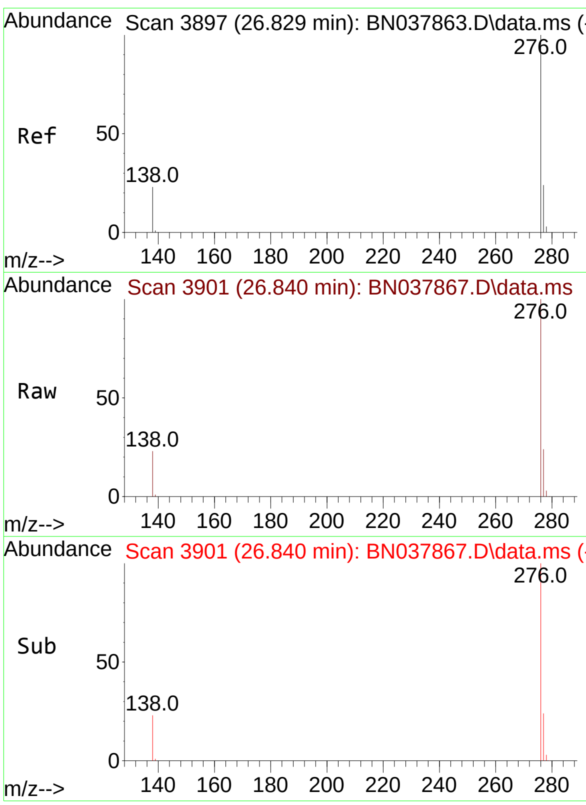


#40
Dibenzo(a,h)anthracene
Concen: 5.971 ng
RT: 26.133 min Scan# 3
Delta R.T. 0.015 min
Lab File: BN037867.D
Acq: 23 Sep 2025 15:51

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

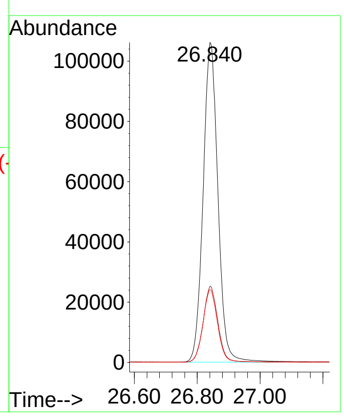




#41
Benzo(g,h,i)perylene
Concen: 5.913 ng
RT: 26.840 min Scan# 3901
Delta R.T. 0.012 min
Lab File: BN037867.D
Acq: 23 Sep 2025 15:51

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



ICAL Form

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

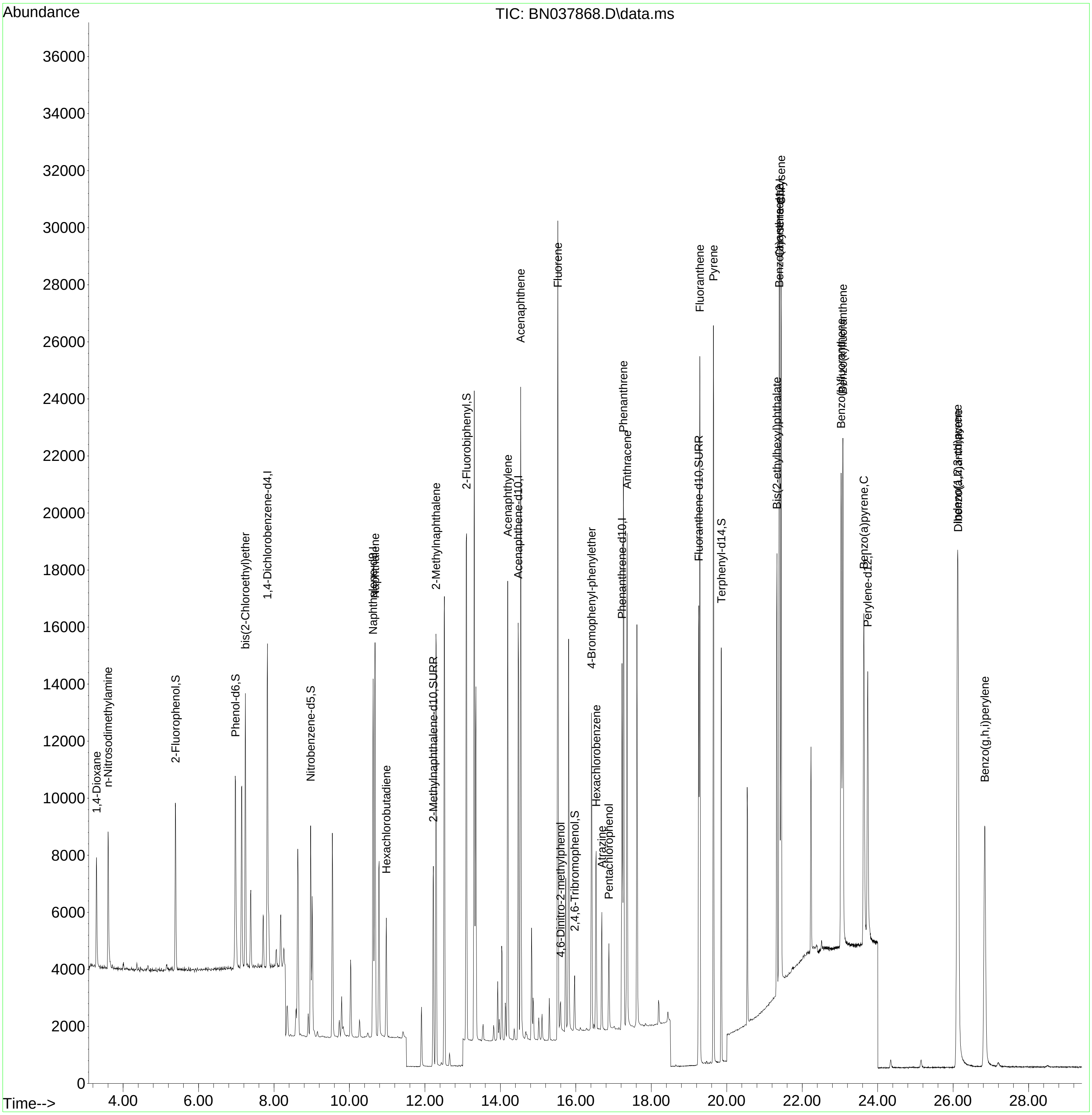
Quantitation Report (QT Reviewed)

ICAL Form

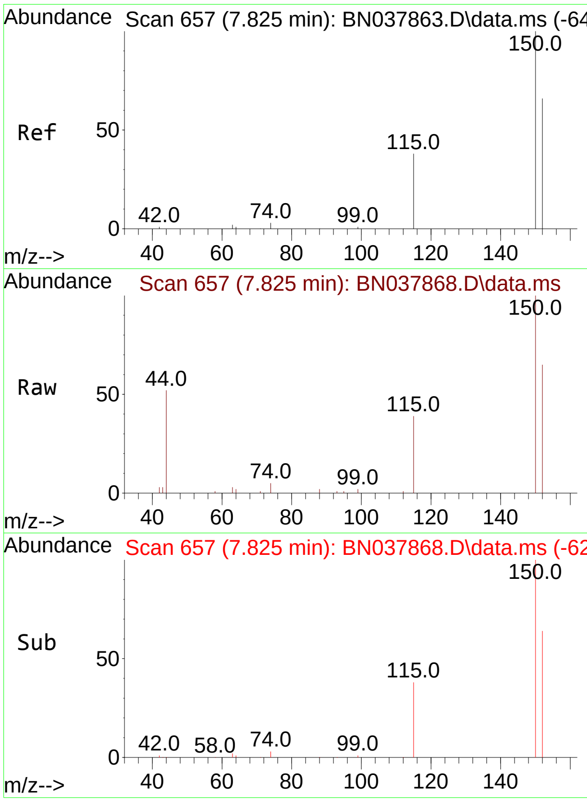
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092325\
Data File : BN037868.D
Acq On : 23 Sep 2025 16:28
Operator : RC/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 9 Sample Multiplier: 1

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



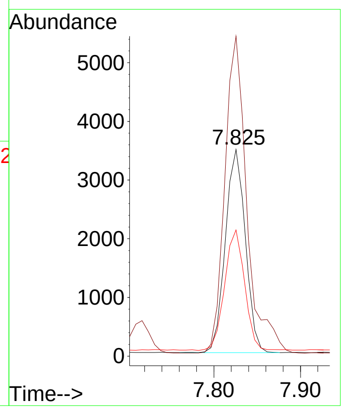
Instrument :
BNA_N
ClientSampleId :
ICVBN092325

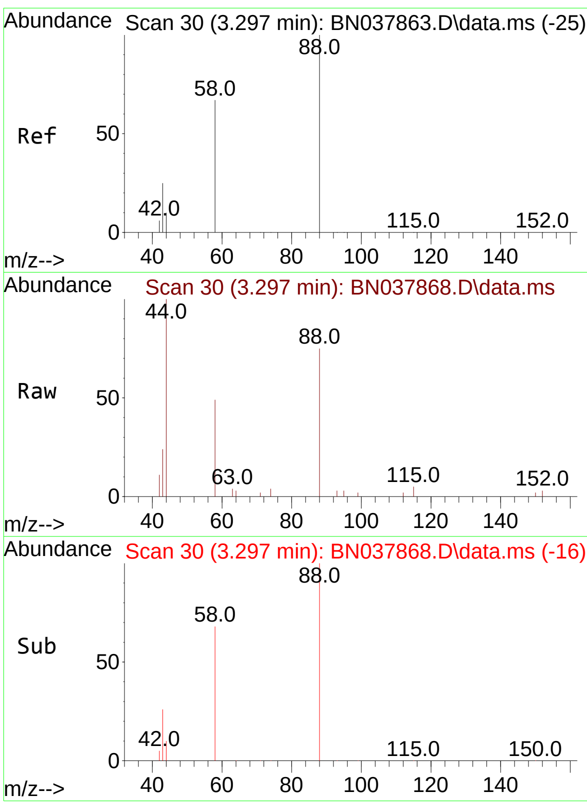


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.825 min Scan# 6!
Delta R.T. 0.000 min
Lab File: BN037868.D
Acq: 23 Sep 2025 16:28

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

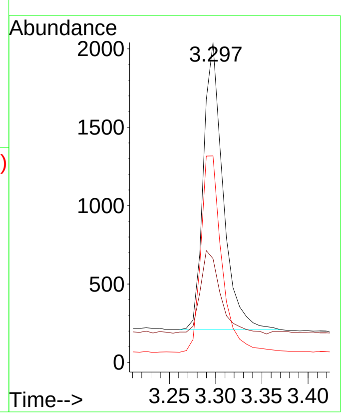




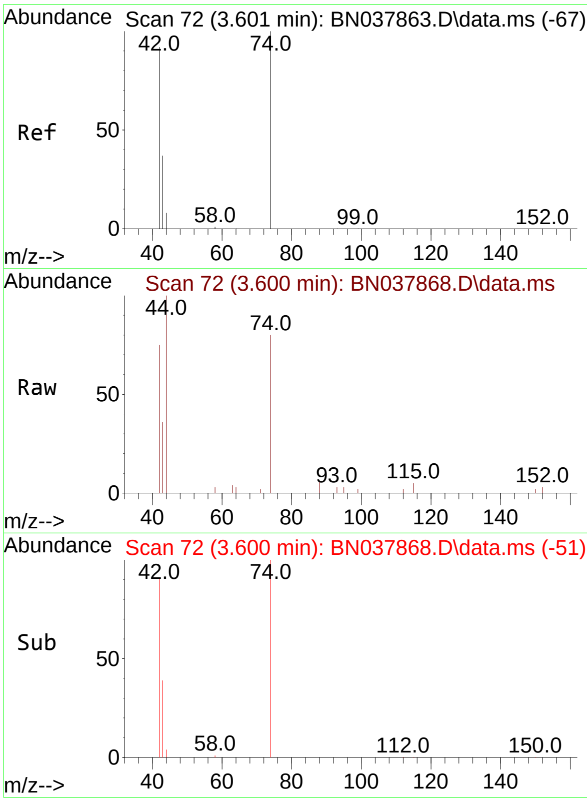
#2
1,4-Dioxane
Concen: 0.477 ng
RT: 3.297 min Scan# 30
Delta R.T. -0.000 min
Lab File: BN037868.D
Acq: 23 Sep 2025 16:28

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



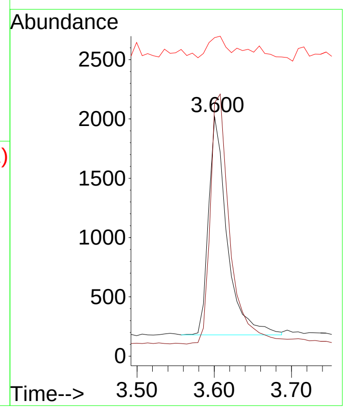
Instrument :
BNA_N
ClientSampleId :
ICVBN092325

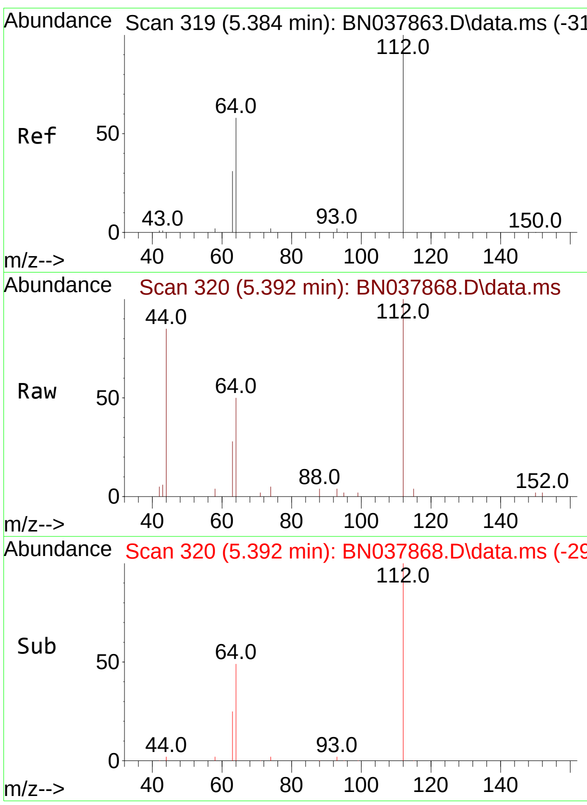


#3
n-Nitrosodimethylamine
Concen: 0.408 ng
RT: 3.600 min Scan# 72
Delta R.T. -0.000 min
Lab File: BN037868.D
Acq: 23 Sep 2025 16:28

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#

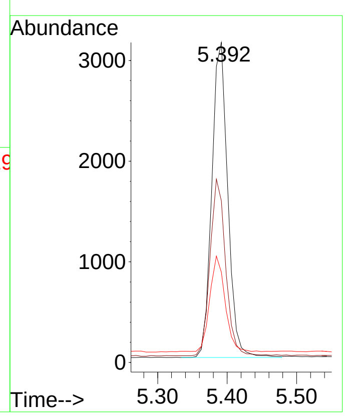




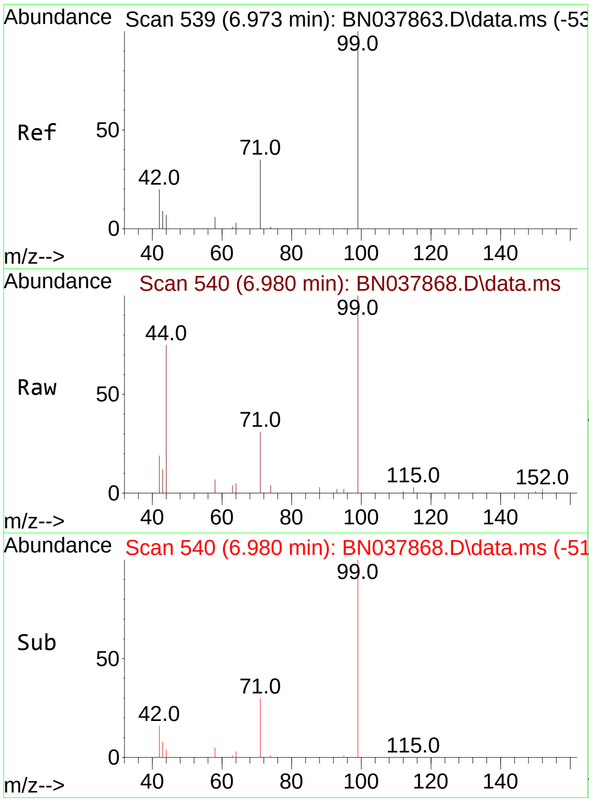
#4
2-Fluorophenol
Concen: 0.394 ng
RT: 5.392 min Scan# 320
Delta R.T. 0.007 min
Lab File: BN037868.D
Acq: 23 Sep 2025 16:28

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



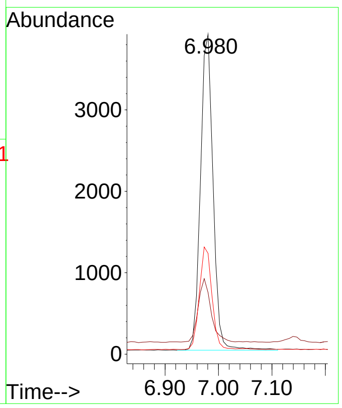
Instrument :
BNA_N
ClientSampleId :
ICVBN092325

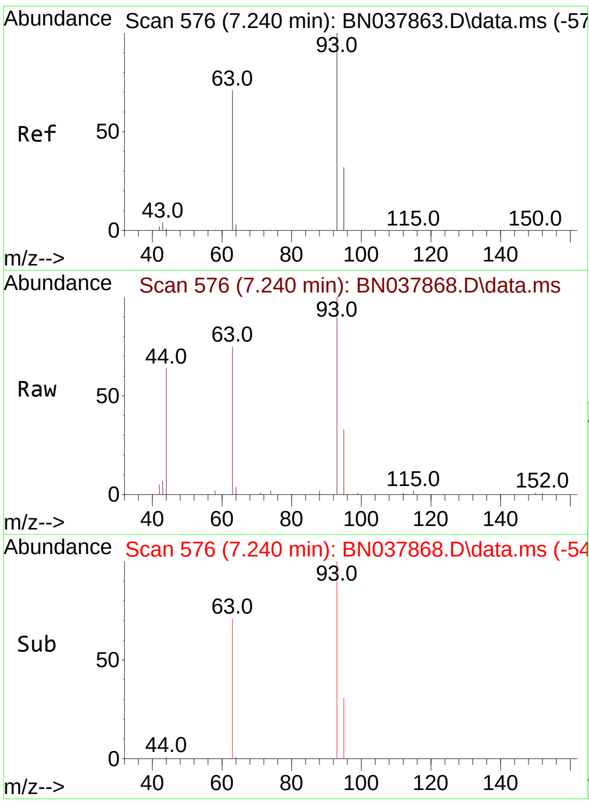


#5
Phenol-d6
Concen: 0.382 ng
RT: 6.980 min Scan# 54
Delta R.T. 0.007 min
Lab File: BN037868.D
Acq: 23 Sep 2025 16:28

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

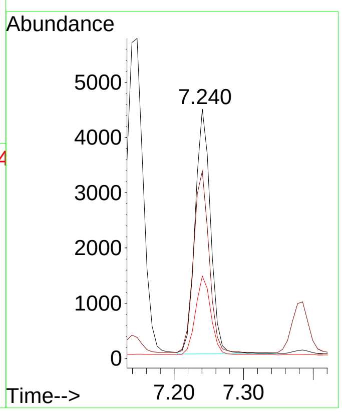




#6
bis(2-Chloroethyl)ether
Concen: 0.440 ng
RT: 7.240 min Scan# 576
Delta R.T. -0.000 min
Lab File: BN037868.D
Acq: 23 Sep 2025 16:28

Tgt Ion: 93 Resp: 6823

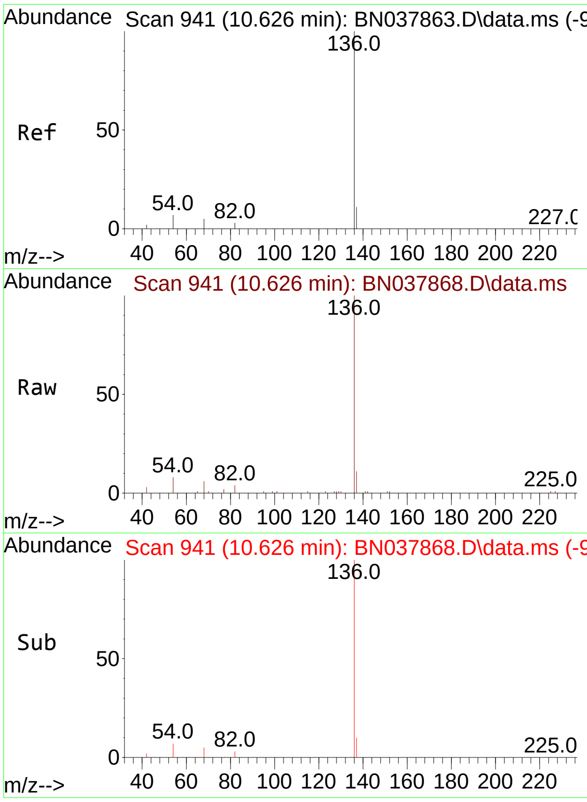
Ion	Ratio	Lower	Upper
93	100		
63	74.7	60.1	90.1
95	32.3	25.4	38.2



ICAL Form

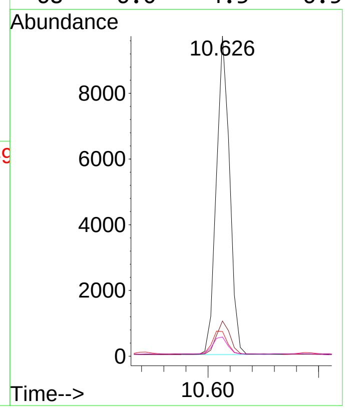
Instrument :
BNA_N
ClientSampleId :
ICVBN092325

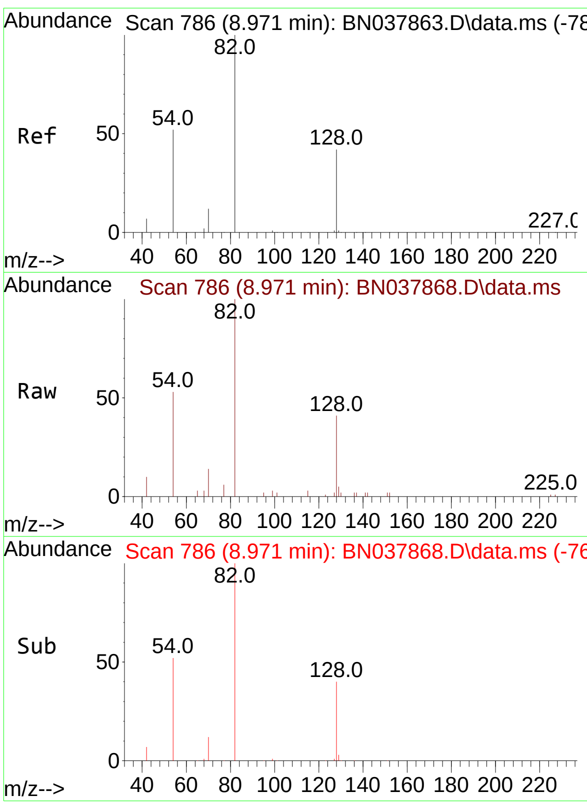
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17




```
#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

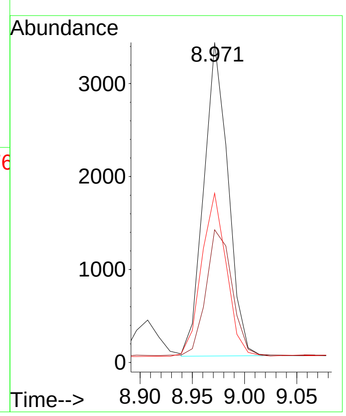
Tgt Ion:136 Resp:   16158
Ion  Ratio  Lower  Upper
136  100
137   11.0    9.0   13.4
 54    7.7    5.8    8.8
 68    6.0    4.3    6.5
```



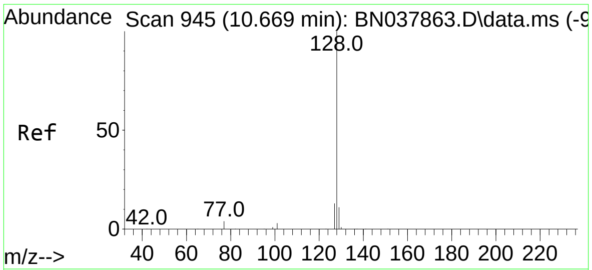


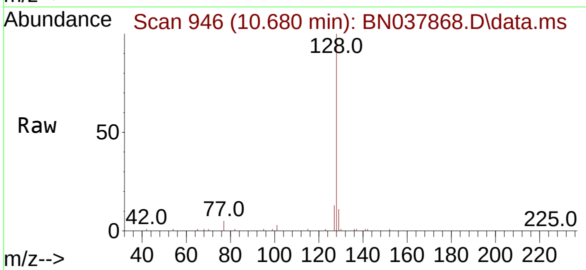

```
#8
Nitrobenzene-d5
Concen:    0.442 ng
RT:   8.971 min  Scan# 786
Delta R.T.   -0.000 min
Lab File:    BN037868.D
Acq: 23 Sep 2025   16:28

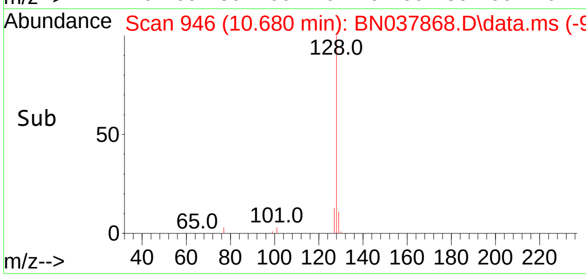
Tgt Ion: 82 Resp:    5453
Ion  Ratio  Lower  Upper
 82  100
128   41.4   34.8   52.2
 54   52.9   42.2   63.2
```



Instrument :
BNA_N
ClientSampleId :
ICVBN092325

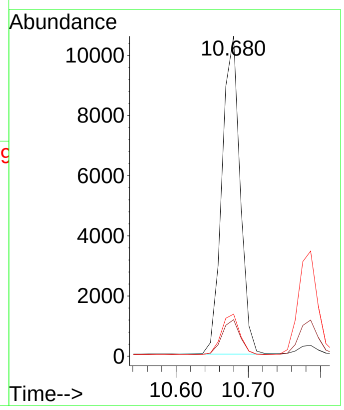


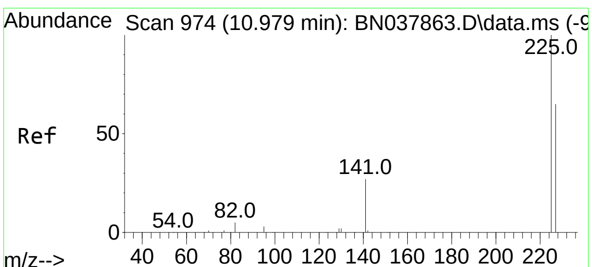


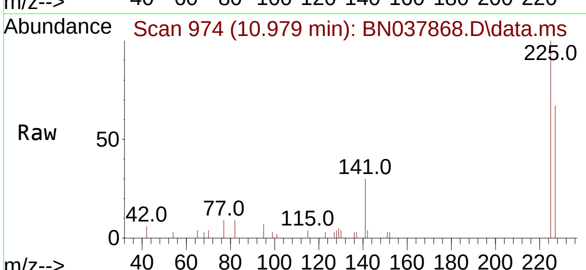


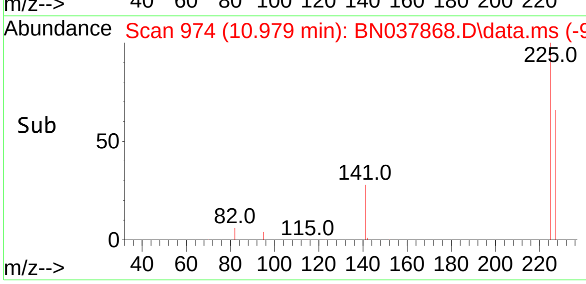

```
#9
Naphthalene
Concen:    0.413 ng
RT:  10.680 min  Scan# 9
Delta R.T.  0.011 min
Lab File:   BN037868.D
Acq: 23 Sep 2025  16:28

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
```



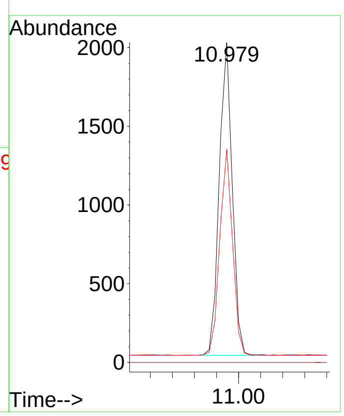




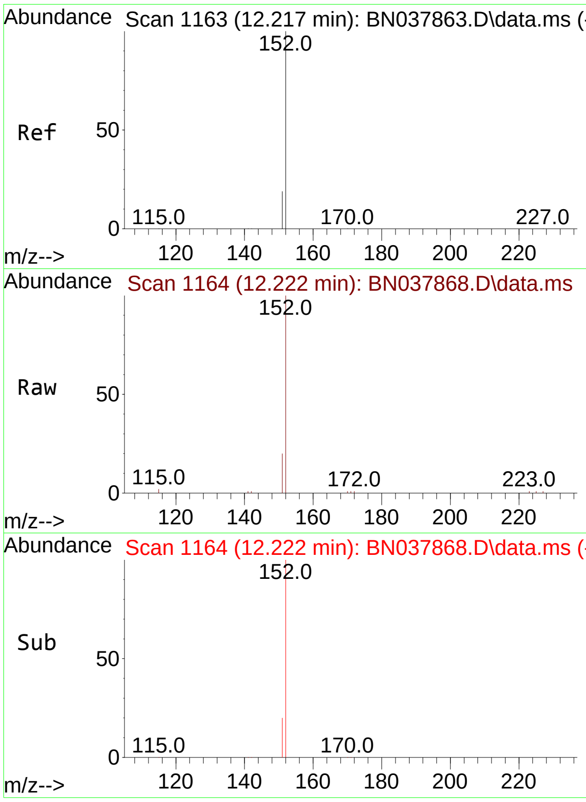



```
#10
Hexachlorobutadiene
Concen:    0.428 ng
RT:  10.979 min  Scan# 974
Delta R.T.  -0.000 min
Lab File:   BN037868.D
Acq: 23 Sep 2025  16:28

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
```



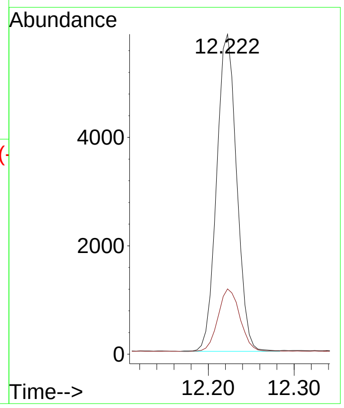
Instrument :
BNA_N
ClientSampleId :
ICVBN092325

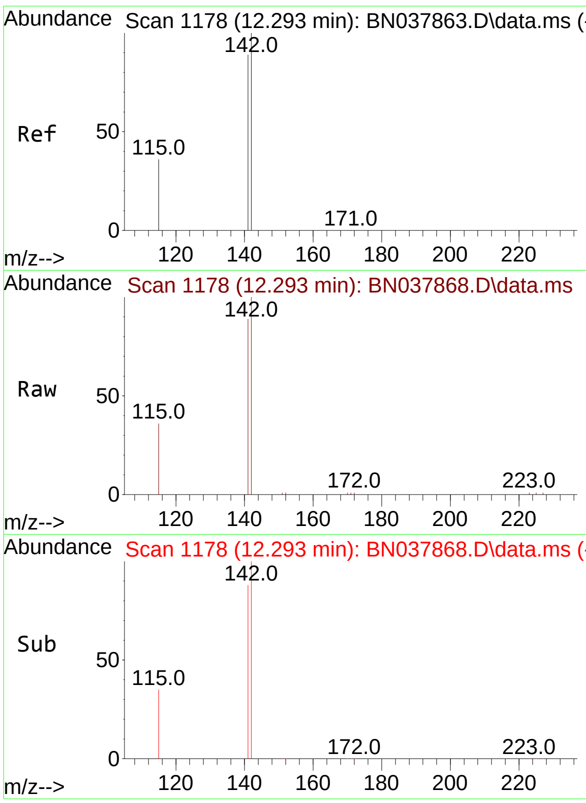


#11
2-Methylnaphthalene-d10
Concen: 0.423 ng
RT: 12.222 min Scan# 1
Delta R.T. 0.005 min
Lab File: BN037868.D
Acq: 23 Sep 2025 16:28

Tgt Ion:152 Resp: 9492

Ion	Ratio	Lower	Upper
152	100		
151	21.7	17.4	26.2

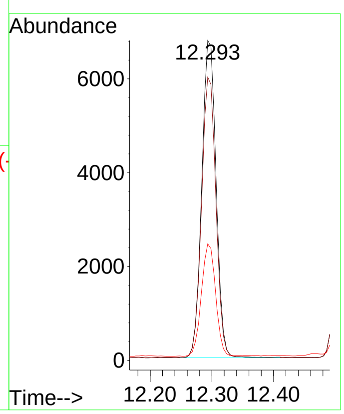




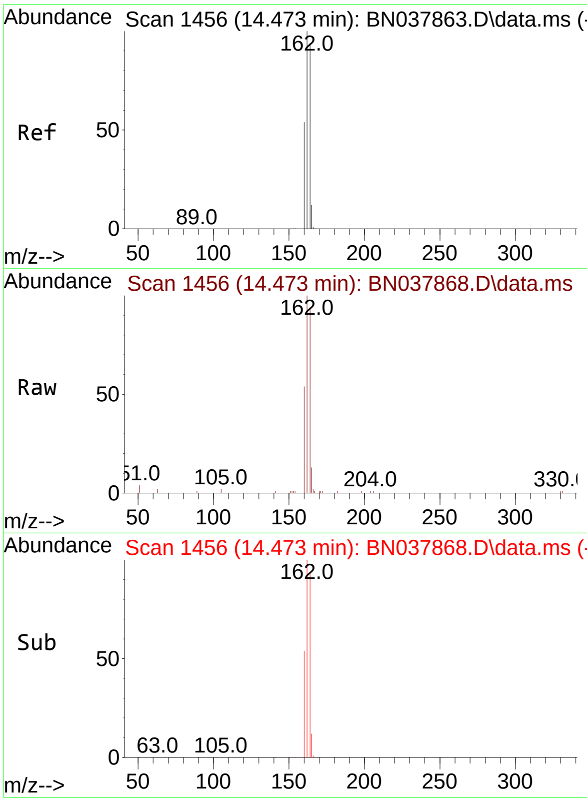
#12
2-Methylnaphthalene
Concen: 0.375 ng
RT: 12.293 min Scan# 1178
Delta R.T. -0.000 min
Lab File: BN037868.D
Acq: 23 Sep 2025 16:28

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



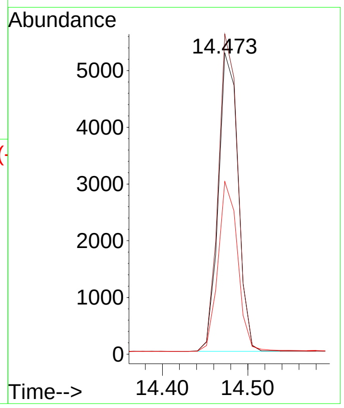
Instrument :
BNA_N
ClientSampleId :
ICVBN092325

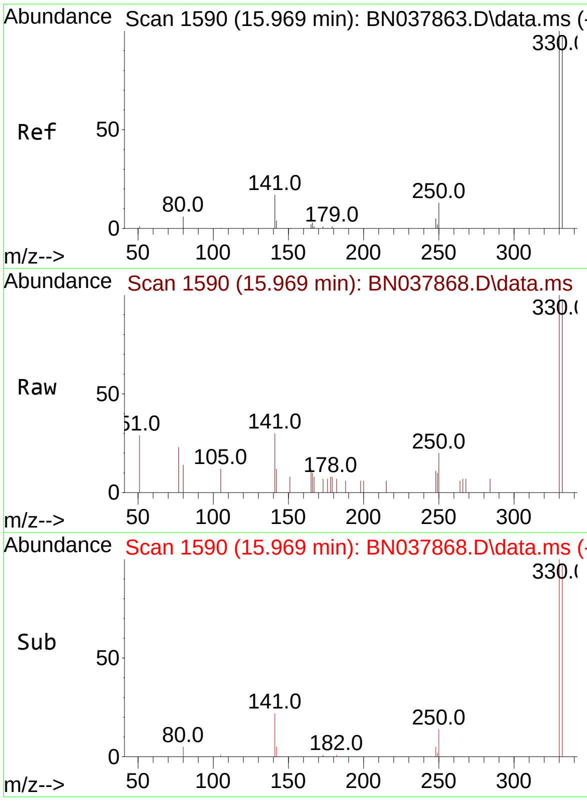


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.473 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN037868.D
Acq: 23 Sep 2025 16:28

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

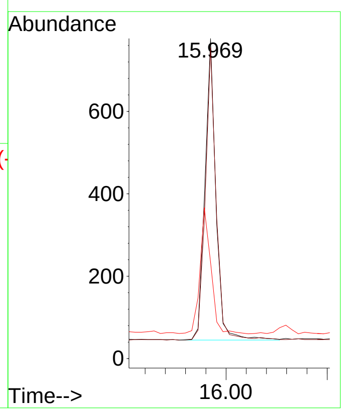




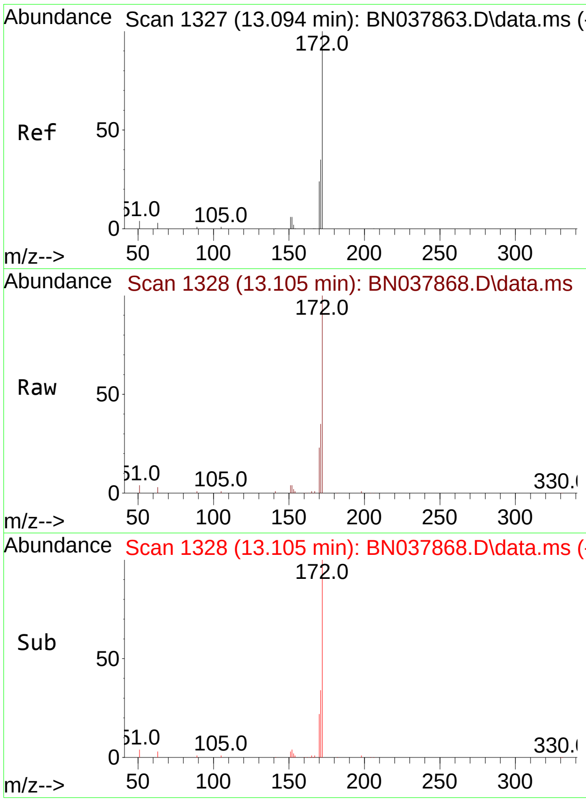
#14
2,4,6-Tribromophenol
Concen: 0.346 ng
RT: 15.969 min Scan# 1590
Delta R.T. 0.000 min
Lab File: BN037868.D
Acq: 23 Sep 2025 16:28

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



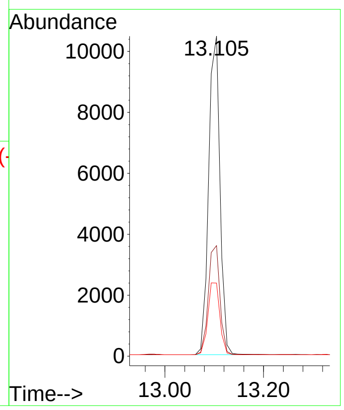
Instrument :
BNA_N
ClientSampleId :
ICVBN092325

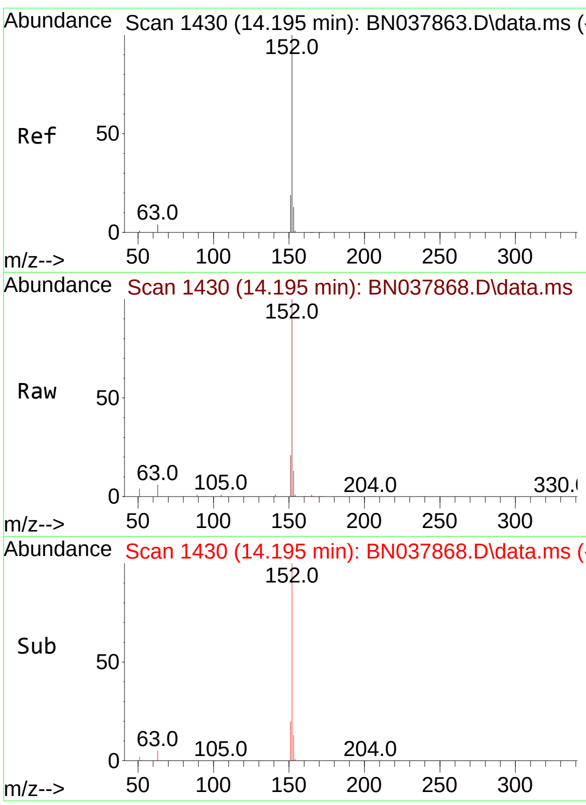


#15
2-Fluorobiphenyl
Concen: 0.485 ng
RT: 13.105 min Scan# 1328
Delta R.T. 0.011 min
Lab File: BN037868.D
Acq: 23 Sep 2025 16:28

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

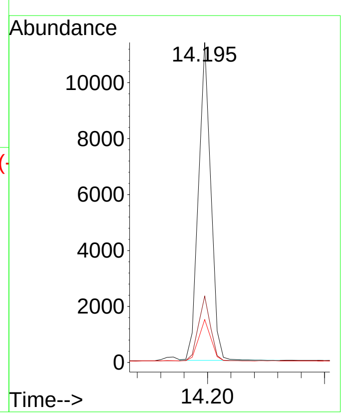




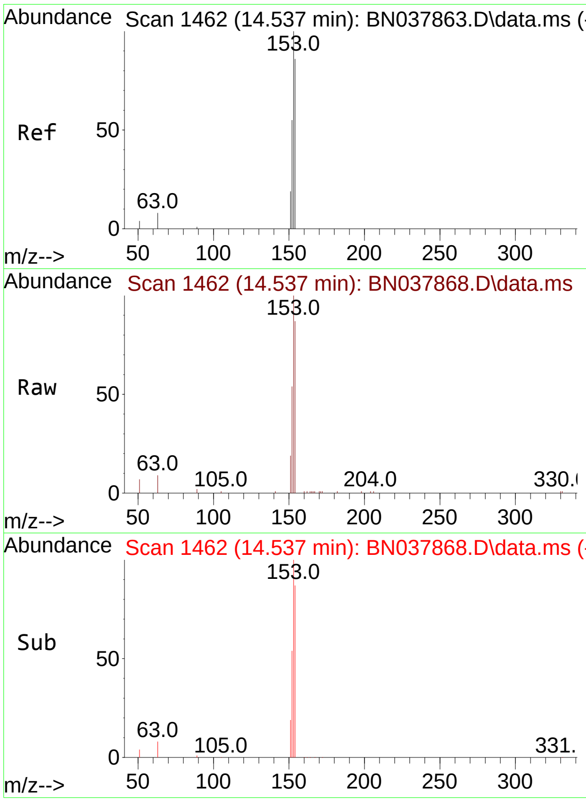
#16
Acenaphthylene
Concen: 0.437 ng
RT: 14.195 min Scan# 1430
Delta R.T. -0.000 min
Lab File: BN037868.D
Acq: 23 Sep 2025 16:28

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



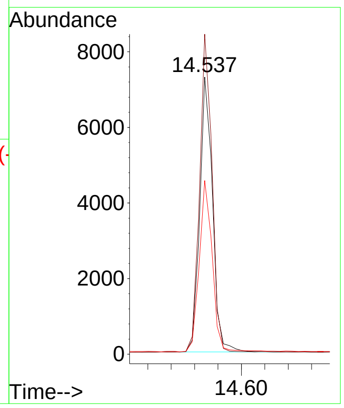
Instrument :
BNA_N
ClientSampleId :
ICVBN092325

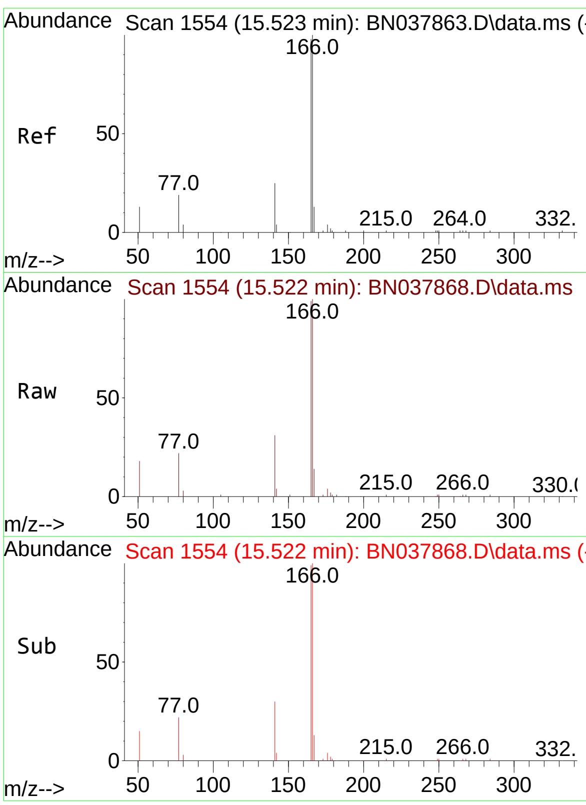


#17
Acenaphthene
Concen: 0.406 ng
RT: 14.537 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN037868.D
Acq: 23 Sep 2025 16:28

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

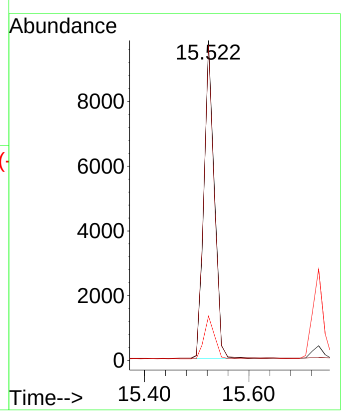




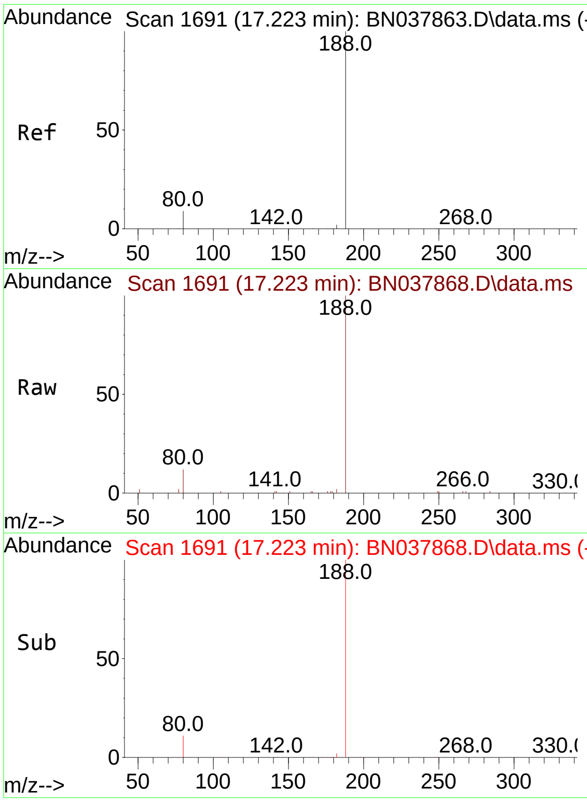
#18
Fluorene
Concen: 0.404 ng
RT: 15.522 min Scan# 1554
Delta R.T. -0.000 min
Lab File: BN037868.D
Acq: 23 Sep 2025 16:28

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



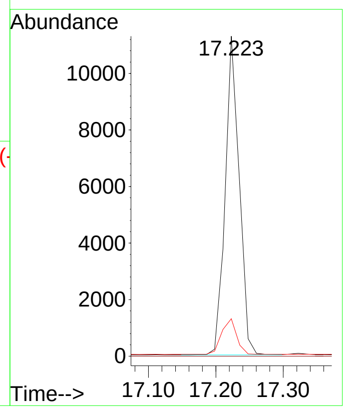
Instrument :
BNA_N
ClientSampleId :
ICVBN092325

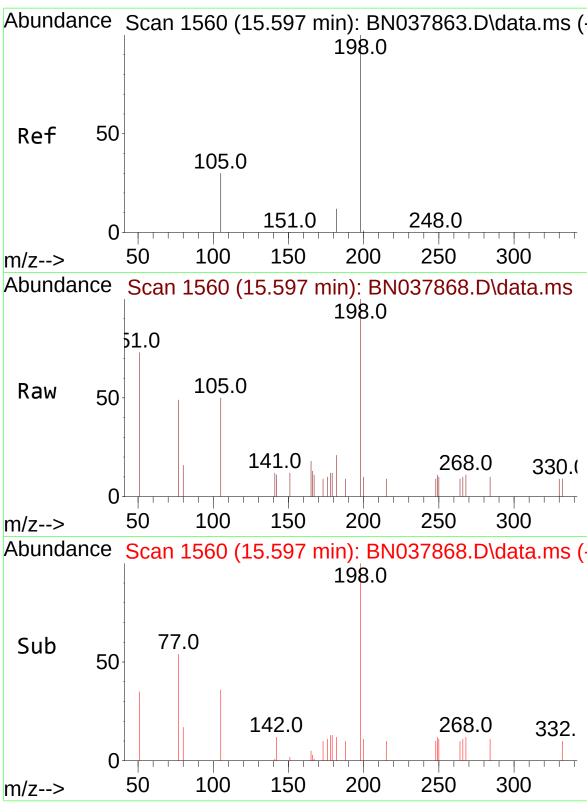


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.223 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN037868.D
Acq: 23 Sep 2025 16:28

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#

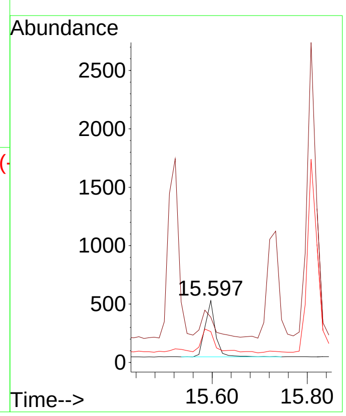




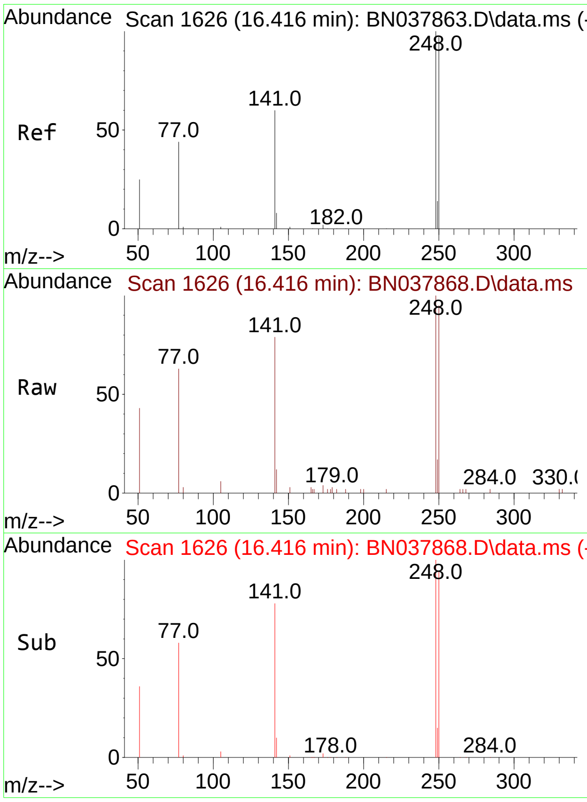
#20
4,6-Dinitro-2-methylphenol
Concen: 0.418 ng
RT: 15.597 min Scan# 1560
Delta R.T. -0.000 min
Lab File: BN037868.D
Acq: 23 Sep 2025 16:28

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



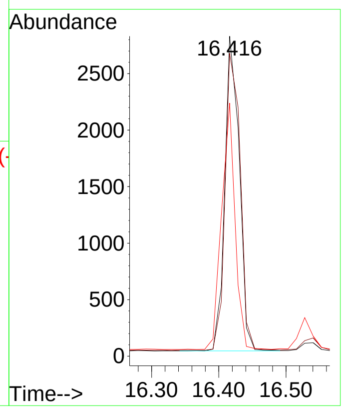
Instrument : BNA_N
ClientSampleId : ICVBN092325

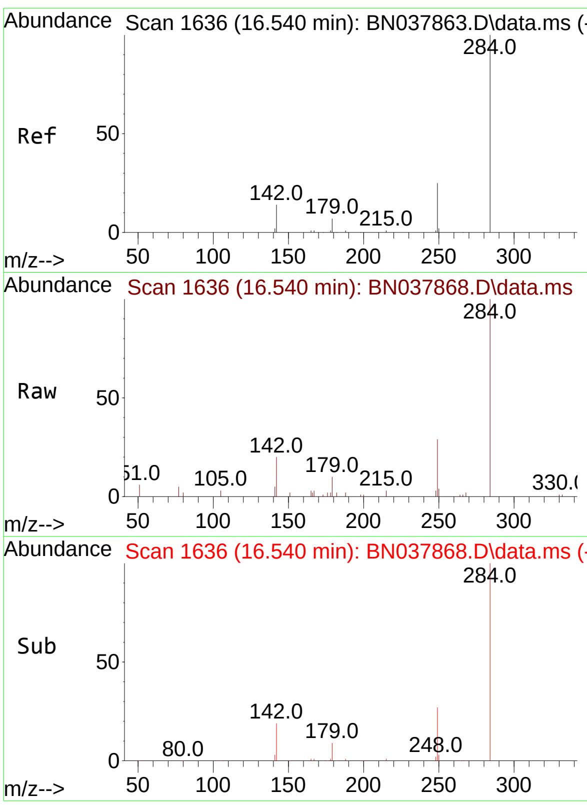


#21
4-Bromophenyl-phenylether
Concen: 0.392 ng
RT: 16.416 min   Scan# 1626
Delta R.T.   -0.000 min
Lab File: BN037868.D
Acq: 23 Sep 2025   16:28

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#

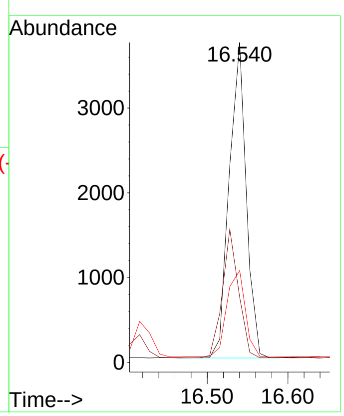




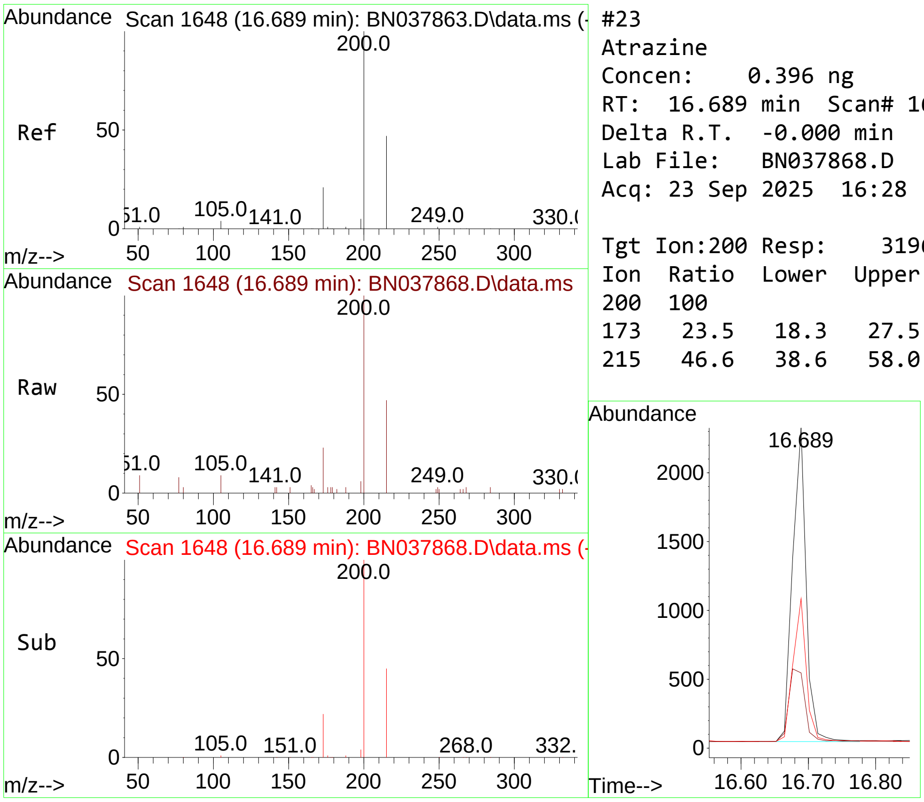
#22
Hexachlorobenzene
Concen: 0.424 ng
RT: 16.540 min   Scan# 1636
Delta R.T.   -0.000 min
Lab File: BN037868.D
Acq: 23 Sep 2025   16:28

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



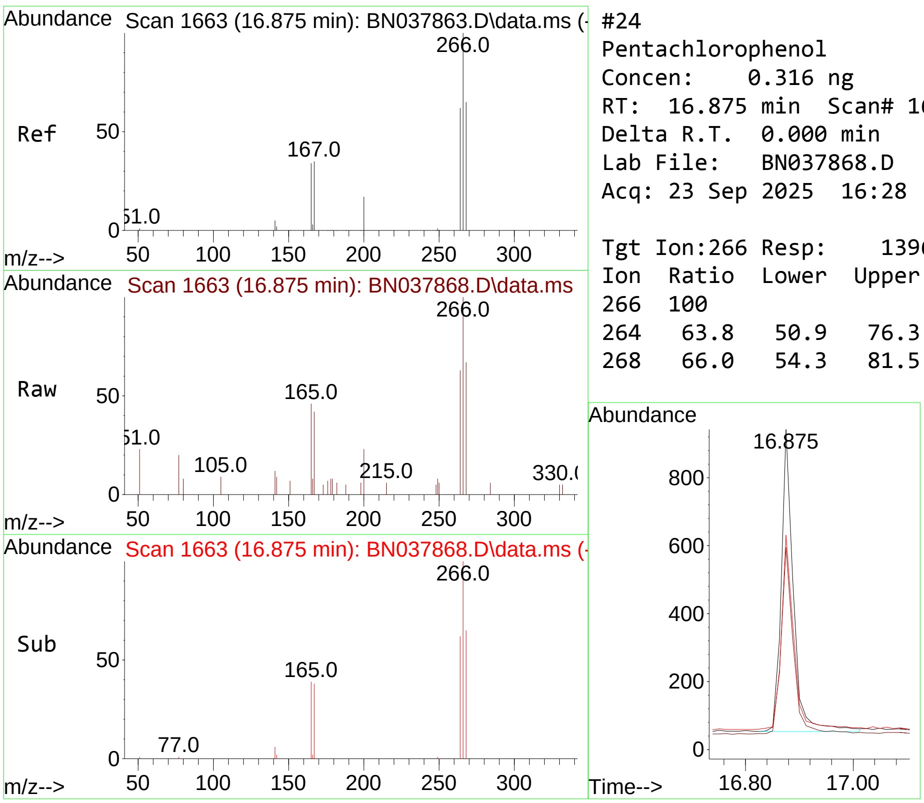
Instrument : BNA_N
ClientSampleId : ICVBN092325



#23
Atrazine
Concen: 0.396 ng
RT: 16.689 min Scan# 1648
Delta R.T. -0.000 min
Lab File: BN037868.D
Acq: 23 Sep 2025 16:28

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

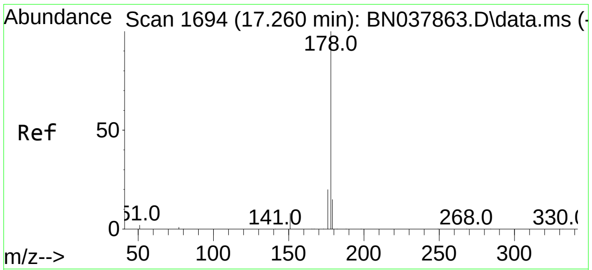


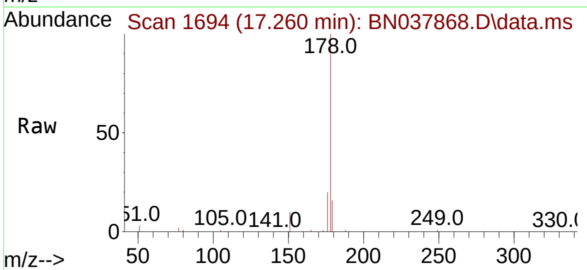
#24
Pentachlorophenol
Concen: 0.316 ng
RT: 16.875 min Scan# 1663
Delta R.T. 0.000 min
Lab File: BN037868.D
Acq: 23 Sep 2025 16:28

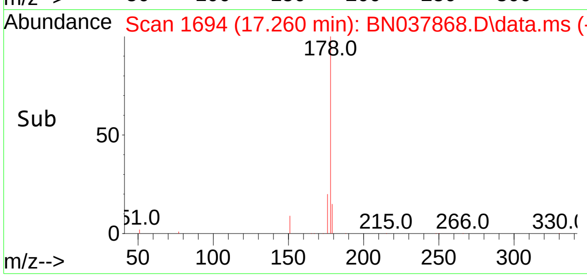
Tgt Ion:266 Resp: 1396

Ion	Ratio	Lower	Upper
266	100		
264	63.8	50.9	76.3
268	66.0	54.3	81.5

Instrument :
BNA_N
ClientSampleId :
ICVBN092325



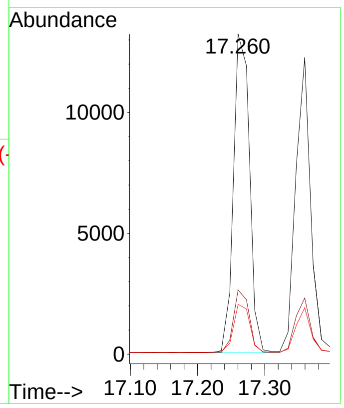


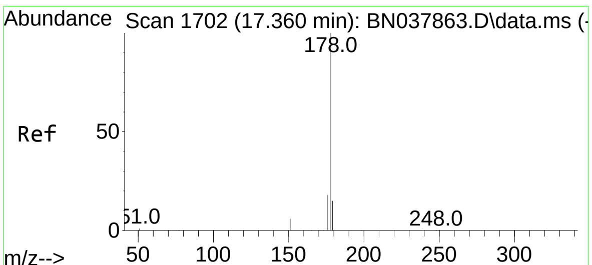


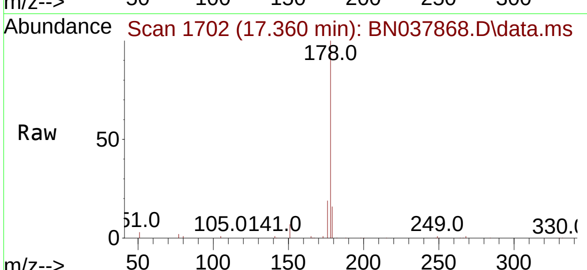
#25
Phenanthrene
Concen: 0.411 ng
RT: 17.260 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN037868.D
Acq: 23 Sep 2025 16:28

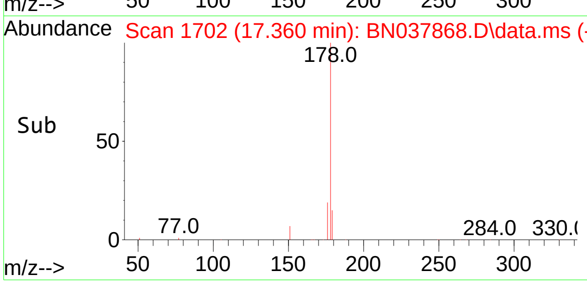
Tgt Ion:178 Resp: 22020

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.7	23.5
179	15.4	12.3	18.5





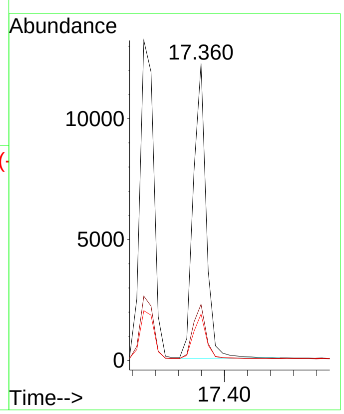




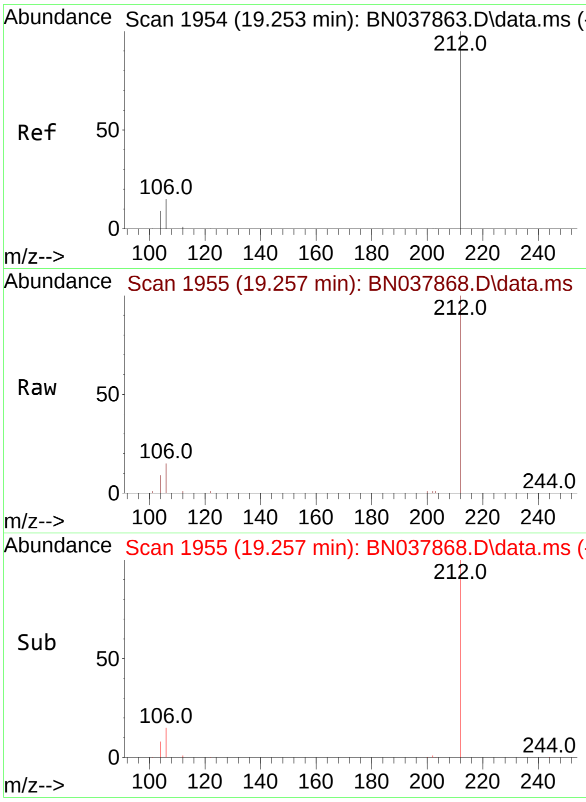
#26
Anthracene
Concen: 0.408 ng
RT: 17.360 min Scan# 1702
Delta R.T. -0.000 min
Lab File: BN037868.D
Acq: 23 Sep 2025 16:28

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



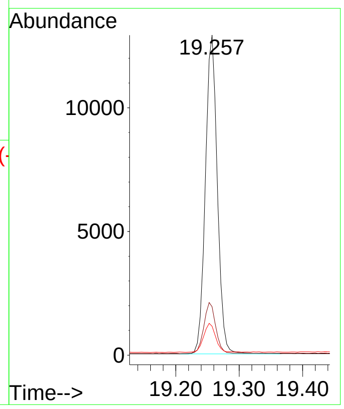
Instrument :
BNA_N
ClientSampleId :
ICVBN092325

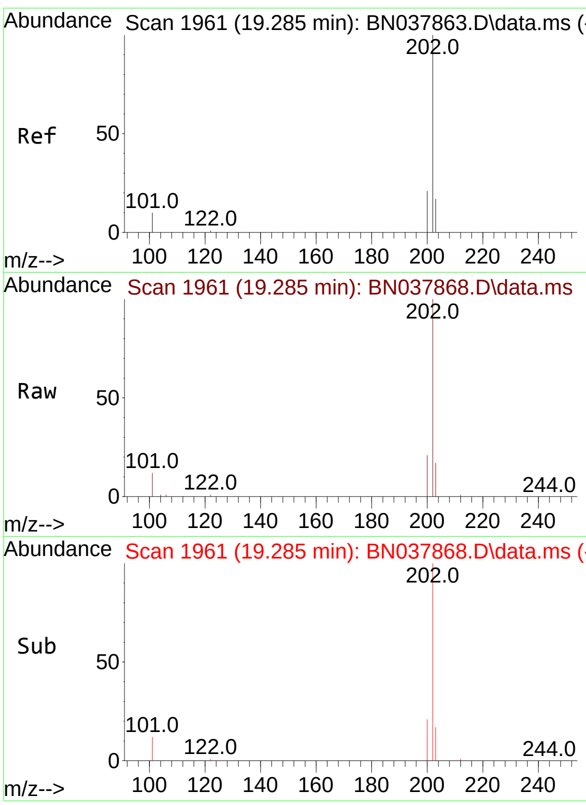


#27
Fluoranthene-d10
Concen: 0.413 ng
RT: 19.257 min Scan# 1
Delta R.T. 0.005 min
Lab File: BN037868.D
Acq: 23 Sep 2025 16:28

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

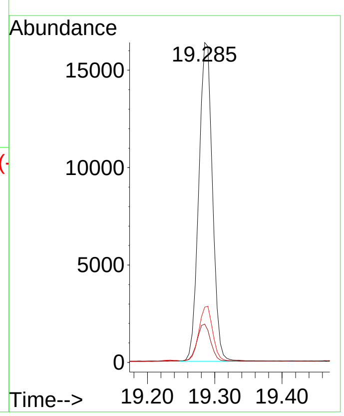




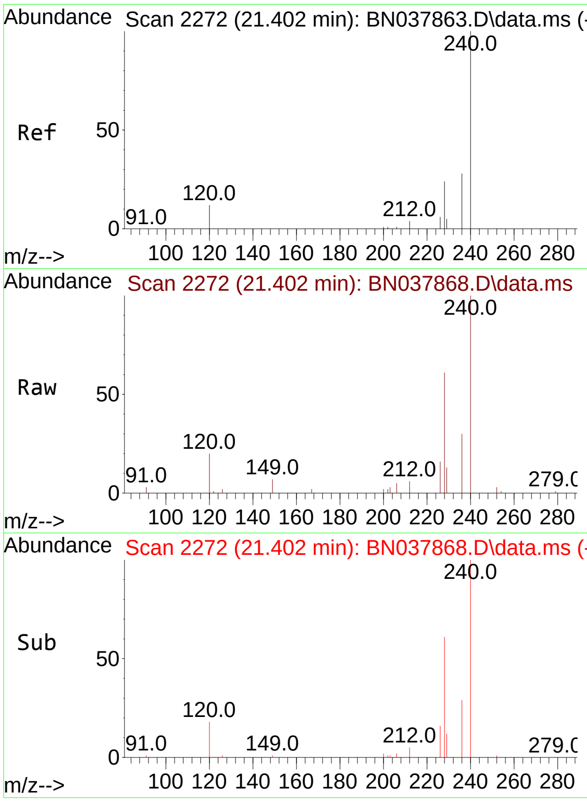
#28
Fluoranthene
Concen: 0.391 ng
RT: 19.285 min Scan# 1961
Delta R.T. -0.000 min
Lab File: BN037868.D
Acq: 23 Sep 2025 16:28

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

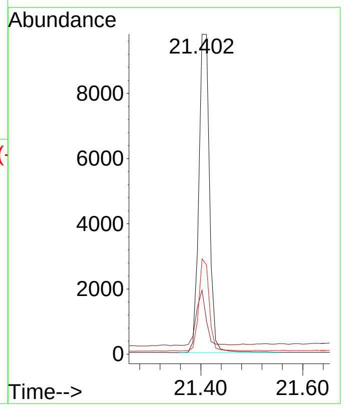


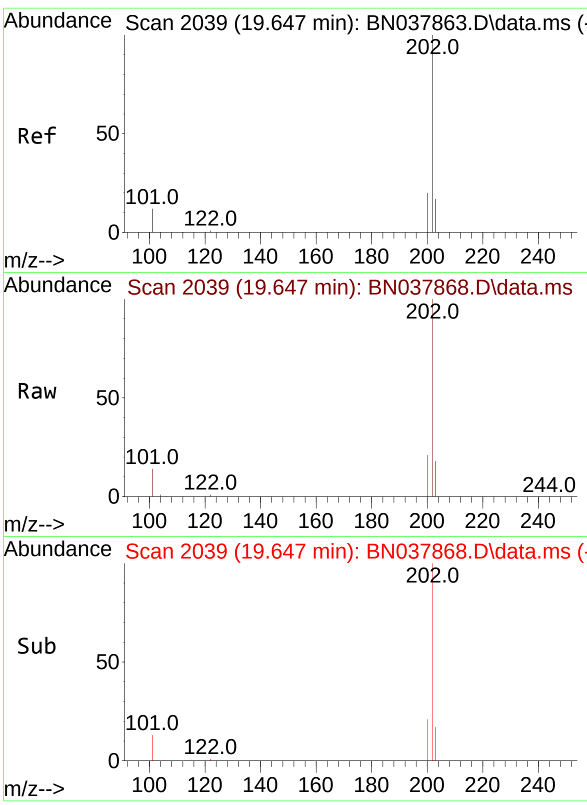
Instrument : BNA_N
ClientSampleId : ICVBN092325




```
#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

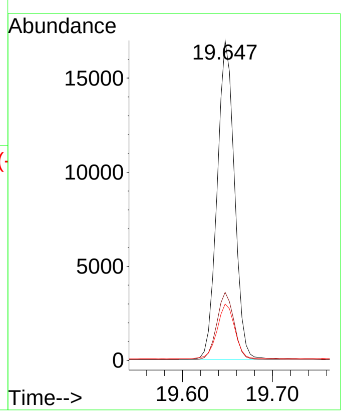
Tgt Ion:240 Resp:   14204
Ion  Ratio  Lower  Upper
240  100
120   20.0   11.4   17.2#
236   29.8   23.0   34.6
```



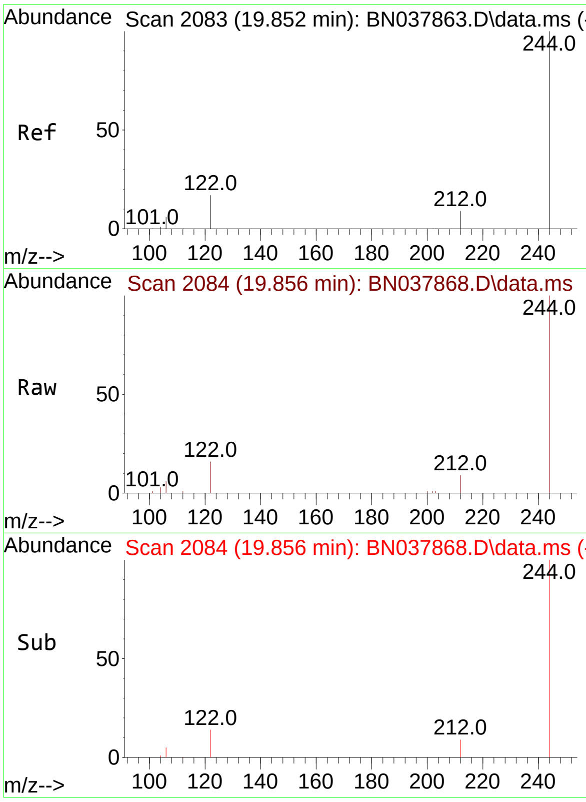



```
#30
Pyrene
Concen:    0.402 ng
RT:  19.647 min  Scan# 2039
Delta R.T.  -0.000 min
Lab File:   BN037868.D
Acq: 23 Sep 2025  16:28

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
```

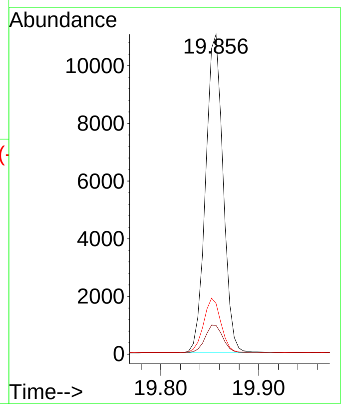


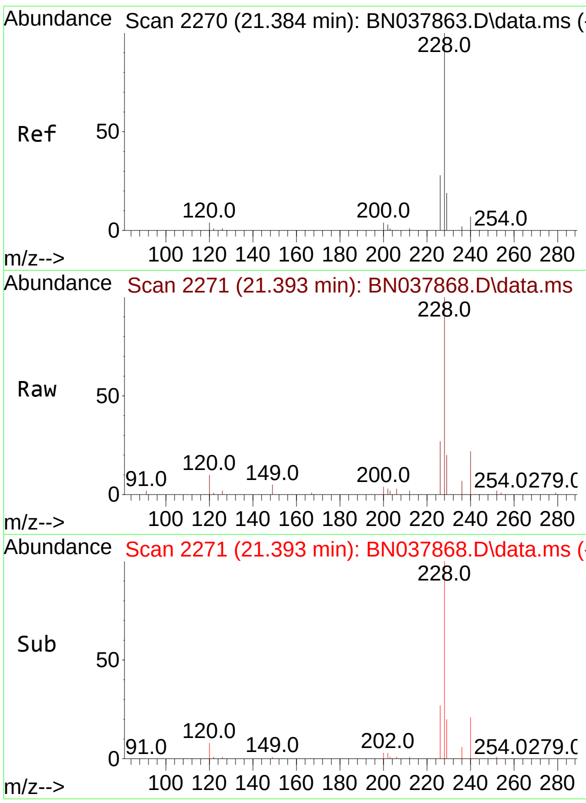
Instrument : BNA_N
ClientSampleId : ICVBN092325




```
#31
Terphenyl-d14
Concen:    0.482 ng
RT:  19.856 min  Scan# 20
Delta R.T.  0.005 min
Lab File:   BN037868.D
Acq: 23 Sep 2025  16:28

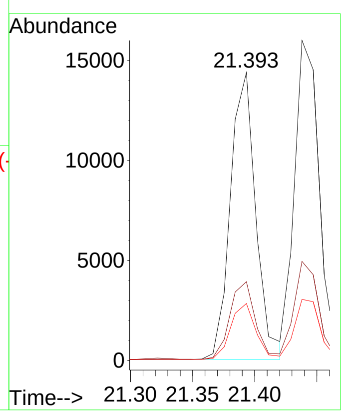
Tgt Ion:244 Resp:   13646
Ion  Ratio  Lower  Upper
244  100
212    9.0    7.6   11.4
122   15.9   13.9   20.9
```



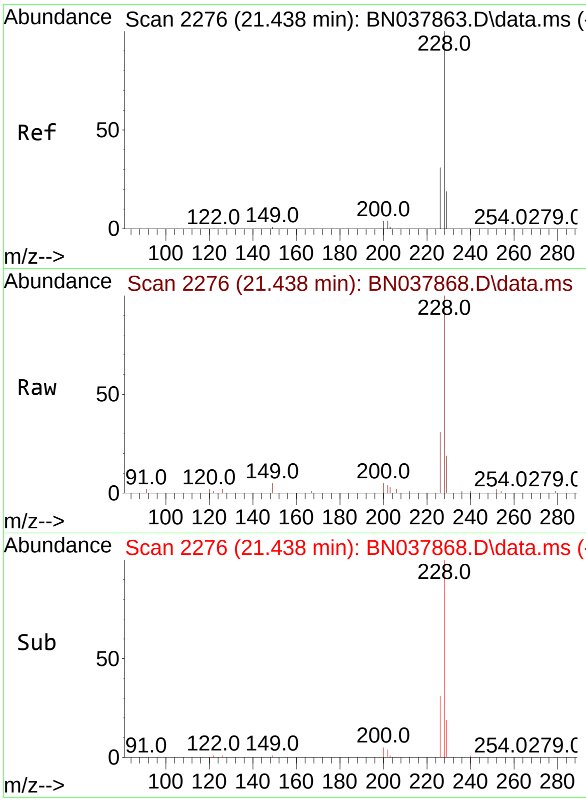



```
#32
Benzo(a)anthracene
Concen:    0.411 ng
RT:  21.393 min  Scan# 2271
Delta R.T.  0.009 min
Lab File:   BN037868.D
Acq: 23 Sep 2025  16:28

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
```

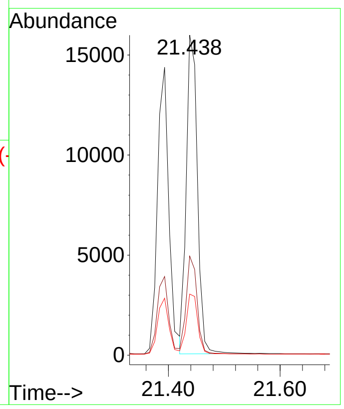


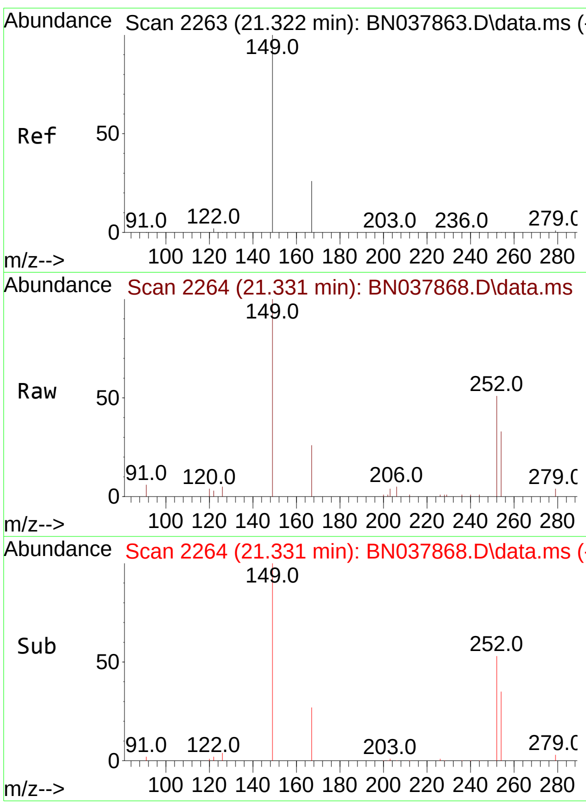
Instrument : BNA_N
ClientSampleId : ICVBN092325




```
#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

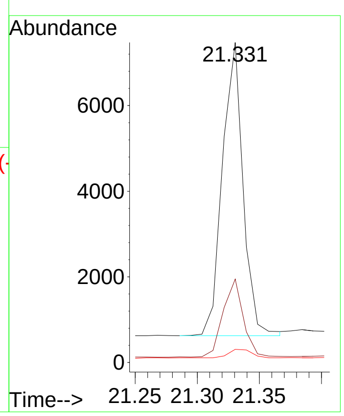
Tgt Ion:228 Resp:   22204
Ion  Ratio  Lower  Upper
228  100
226   31.0   24.6   37.0
229   19.1   15.6   23.4
```



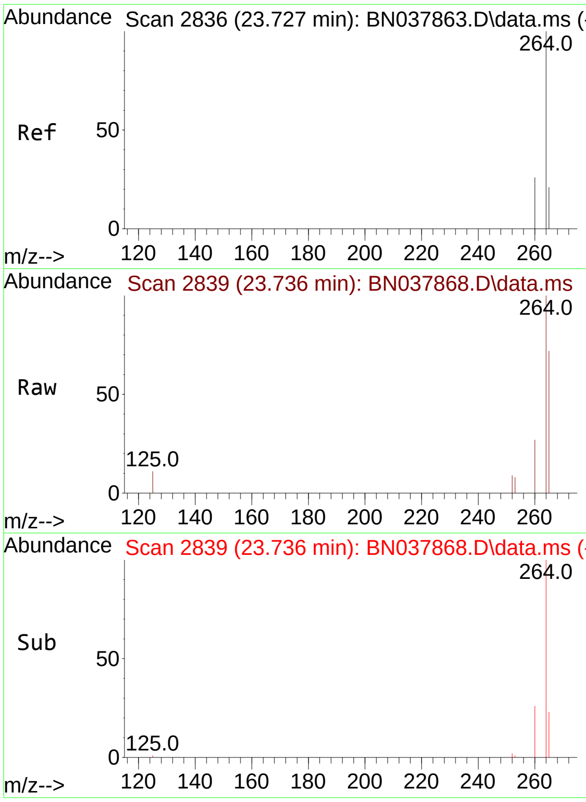



```
#34
Bis(2-ethylhexyl)phthalate
Concen:    0.404 ng
RT:  21.331 min  Scan# 2264
Delta R.T.  0.009 min
Lab File:   BN037868.D
Acq: 23 Sep 2025  16:28

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
```



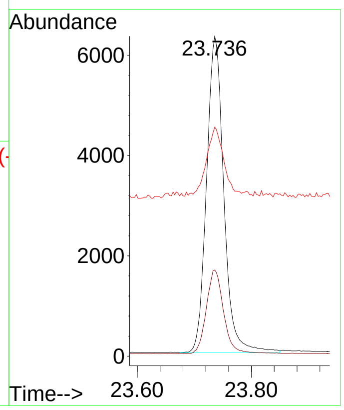
Instrument : BNA_N
ClientSampleId : ICVBN092325

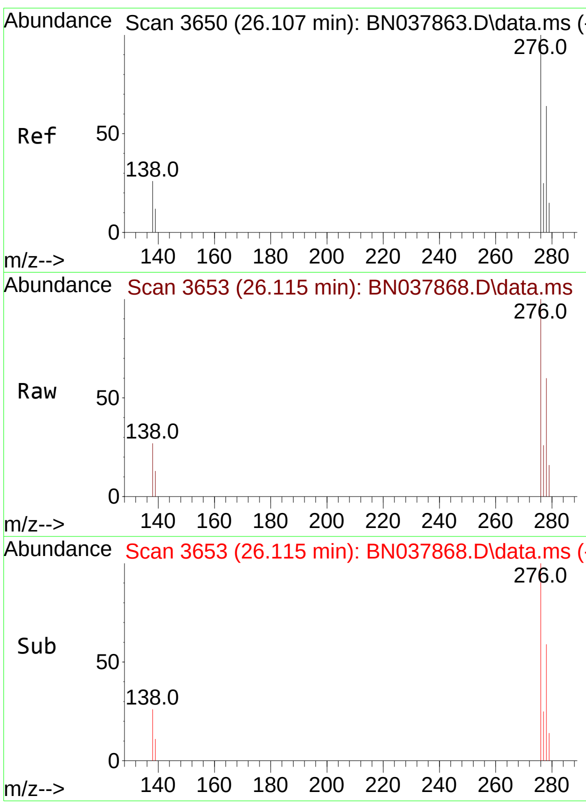


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.736 min Scan# 2
Delta R.T. 0.009 min
Lab File: BN037868.D
Acq: 23 Sep 2025 16:28

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

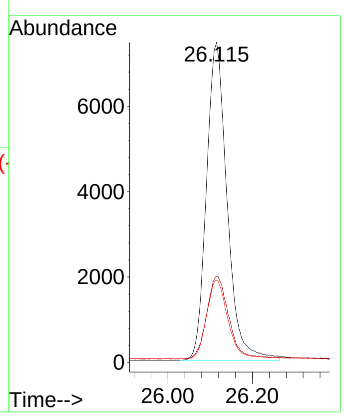




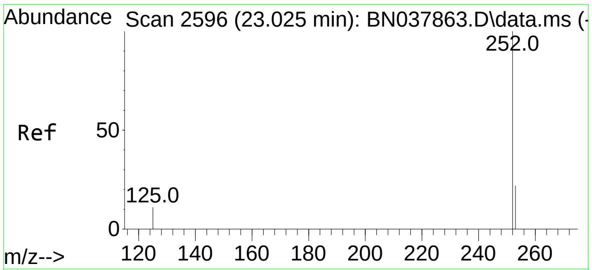
#36
Indeno(1,2,3-cd)pyrene
Concen: 0.418 ng
RT: 26.115 min Scan# 3653
Delta R.T. 0.009 min
Lab File: BN037868.D
Acq: 23 Sep 2025 16:28

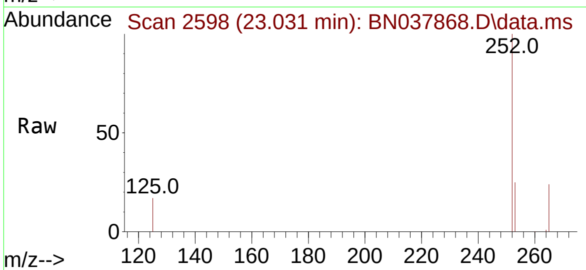
Tgt Ion:276 Resp: 25340

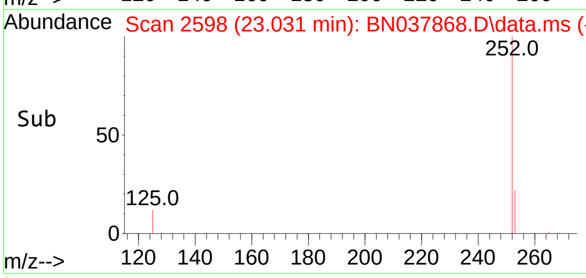
Ion	Ratio	Lower	Upper
276	100		
138	27.5	21.4	32.0
277	25.0	20.3	30.5



Instrument :
BNA_N
ClientSampleId :
ICVBN092325



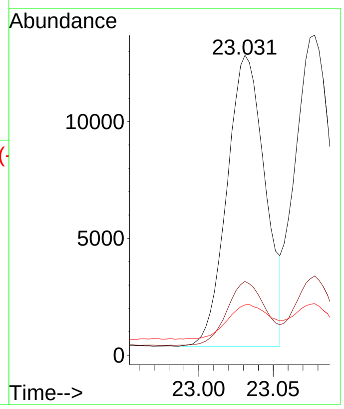


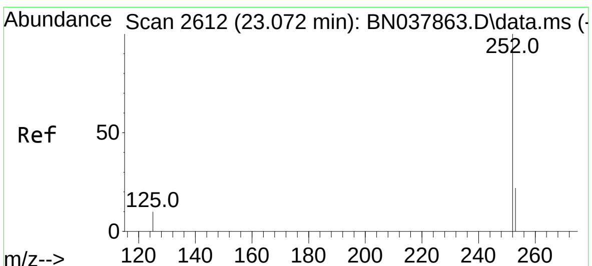


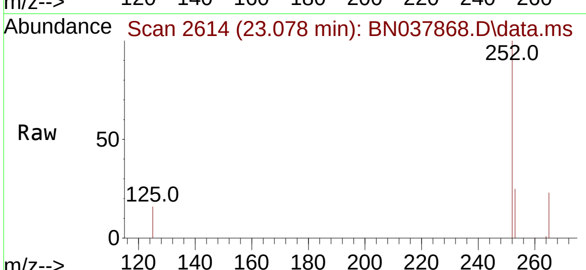
#37
Benzo(b)fluoranthene
Concen: 0.388 ng
RT: 23.031 min Scan# 2
Delta R.T. 0.006 min
Lab File: BN037868.D
Acq: 23 Sep 2025 16:28

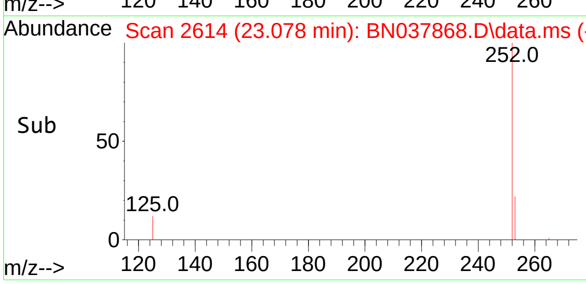
Tgt Ion:252 Resp: 22193

Ion	Ratio	Lower	Upper
252	100		
253	24.6	19.4	29.0
125	16.8	13.0	19.4





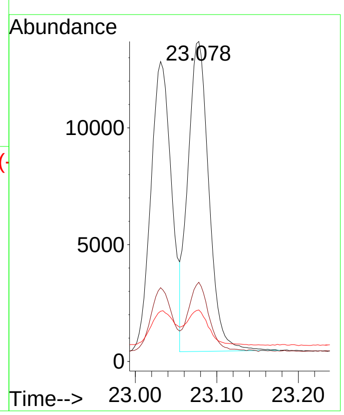




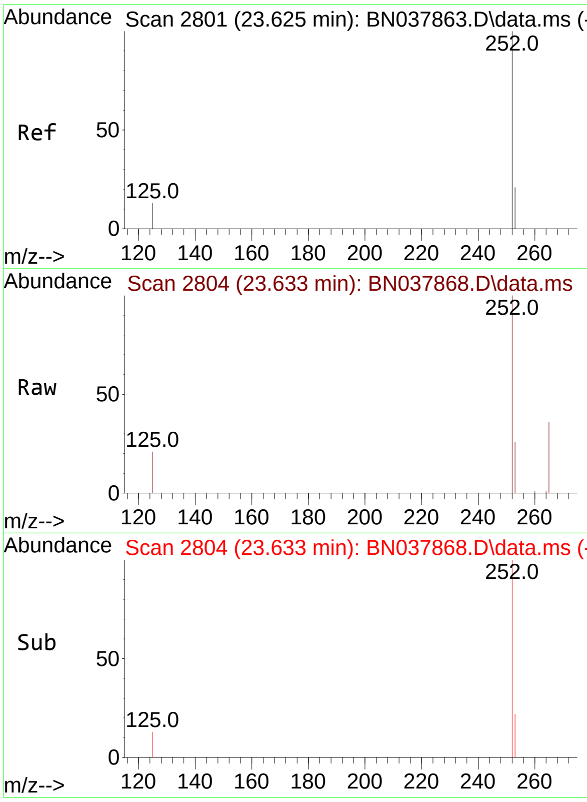
#38
Benzo(k)fluoranthene
Concen: 0.415 ng
RT: 23.078 min Scan# 2614
Delta R.T. 0.006 min
Lab File: BN037868.D
Acq: 23 Sep 2025 16:28

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



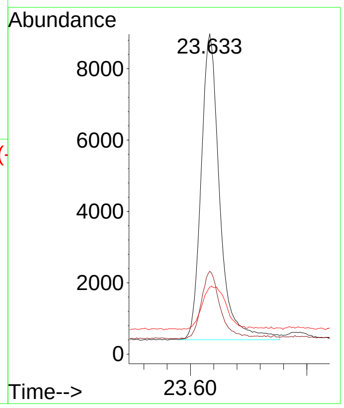
Instrument : BNA_N
ClientSampleId : ICVBN092325

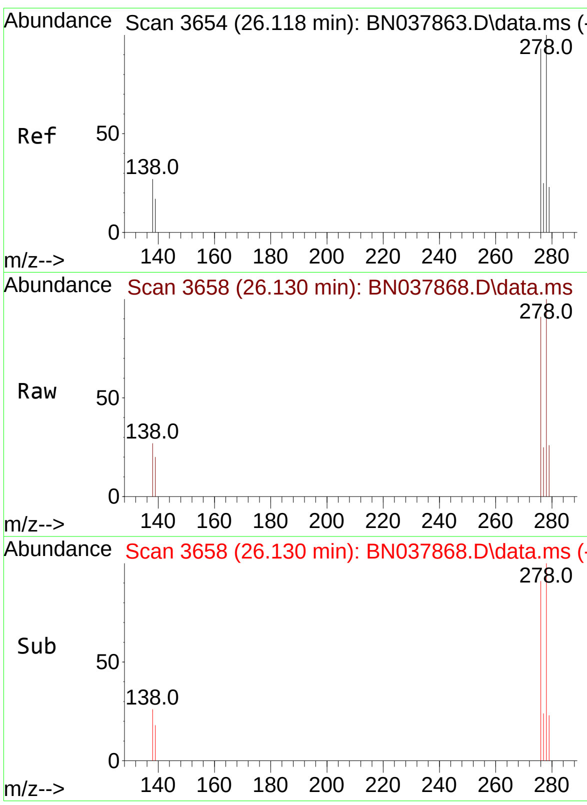


#39
Benzo(a)pyrene
Concen: 0.422 ng
RT: 23.633 min Scan# 28
Delta R.T. 0.009 min
Lab File: BN037868.D
Acq: 23 Sep 2025 16:28

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

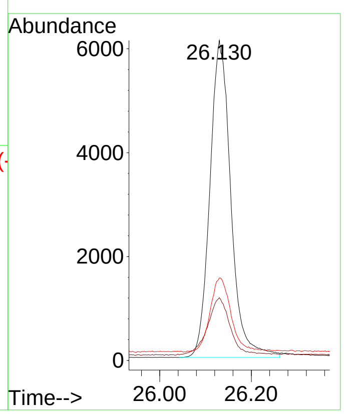


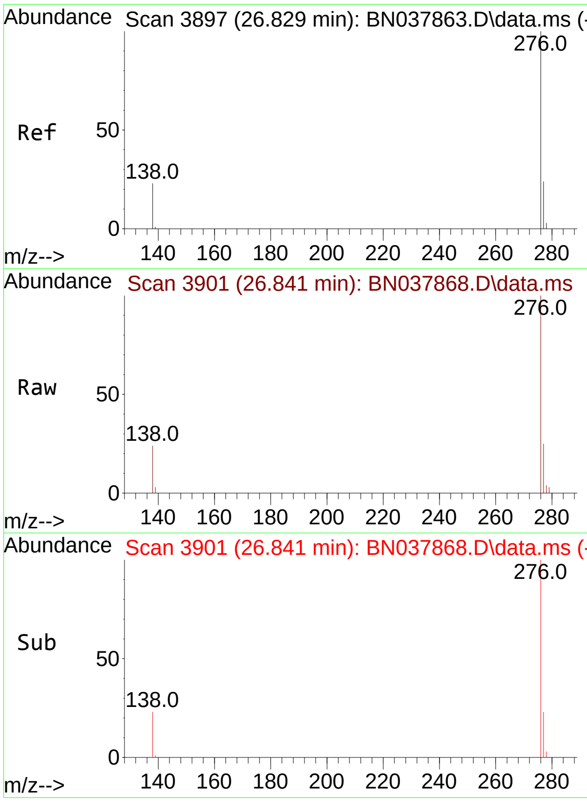


#40
Dibenzo(a,h)anthracene
Concen: 0.411 ng
RT: 26.130 min Scan# 3658
Delta R.T. 0.012 min
Lab File: BN037868.D
Acq: 23 Sep 2025 16:28

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



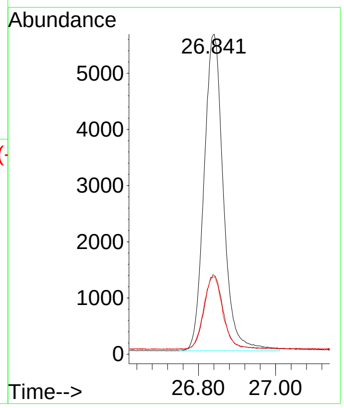


#41
Benzo(g,h,i)perylene
Concen: 0.394 ng
RT: 26.841 min Scan# 39
Delta R.T. 0.012 min
Lab File: BN037868.D
Acq: 23 Sep 2025 16:28

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

ICAL Form

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

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

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

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.:	Q3193
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	$\overline{RRF}$	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.

Form VII SV-1

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

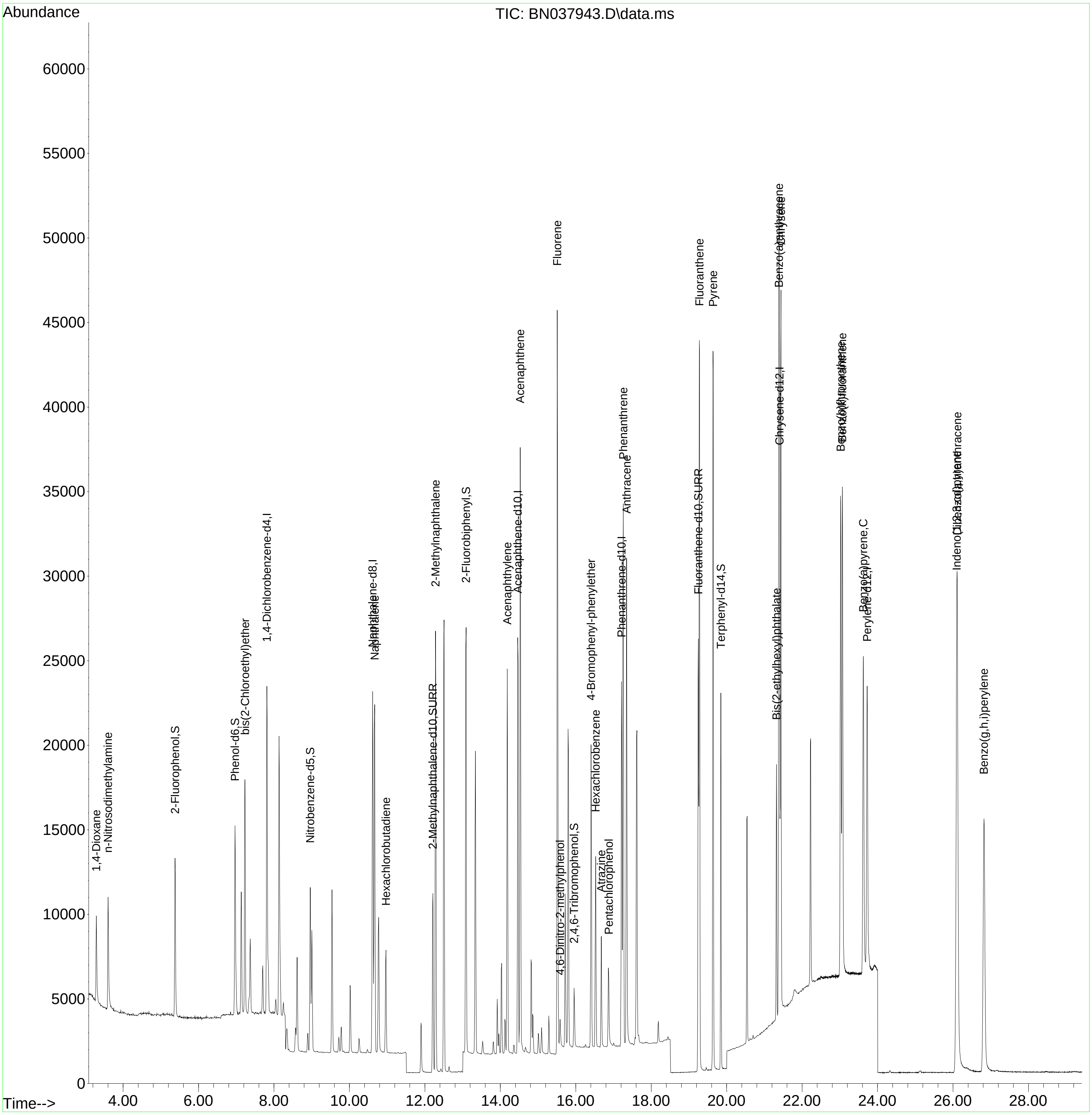
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

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

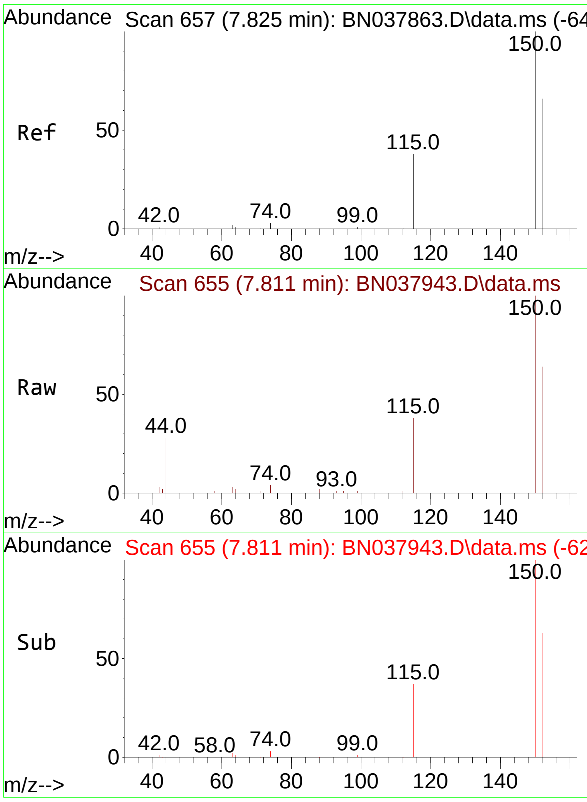
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

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



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17




```
#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

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
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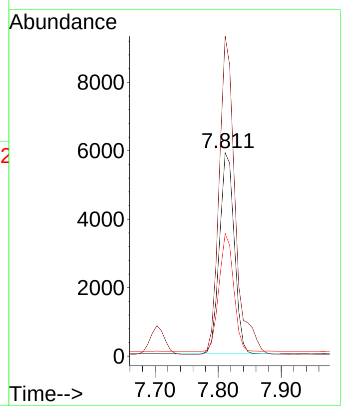
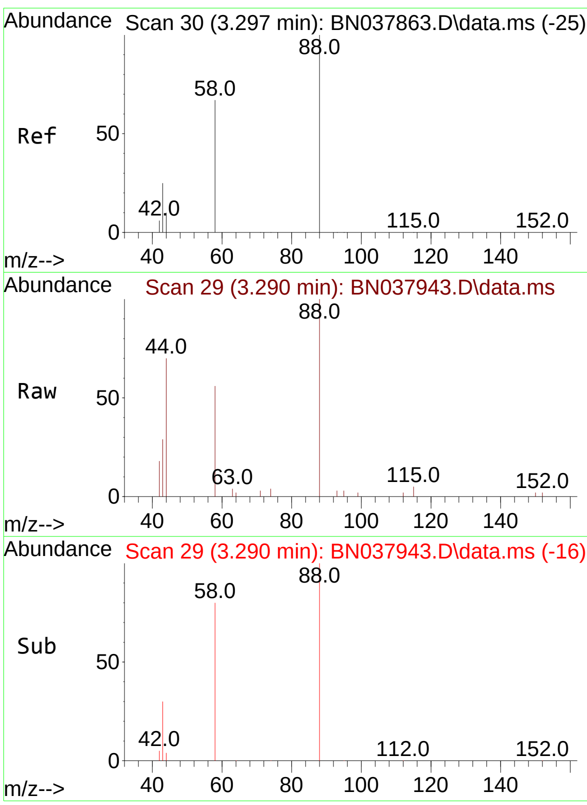
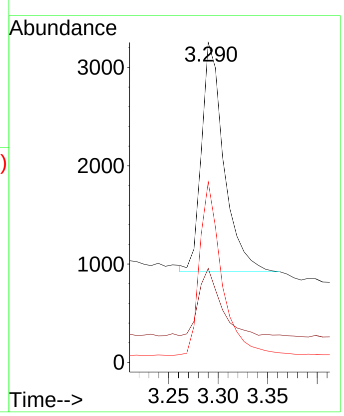


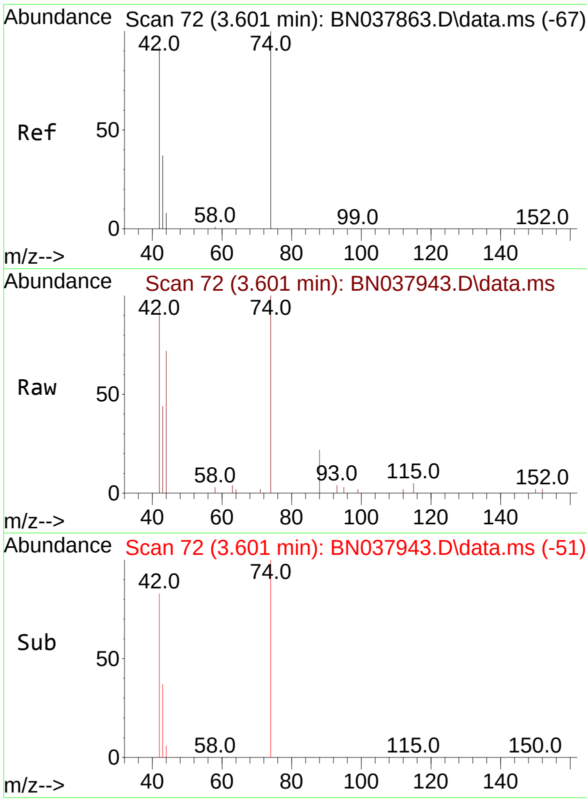



```
#2
1,4-Dioxane
Concen:    0.376 ng
RT:   3.290 min  Scan# 29
Delta R.T.  -0.007 min
Lab File:   BN037943.D
Acq: 30 Sep 2025  12:16

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
```



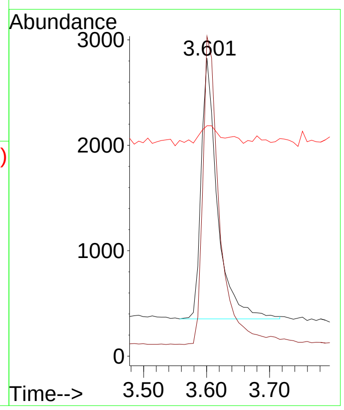
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

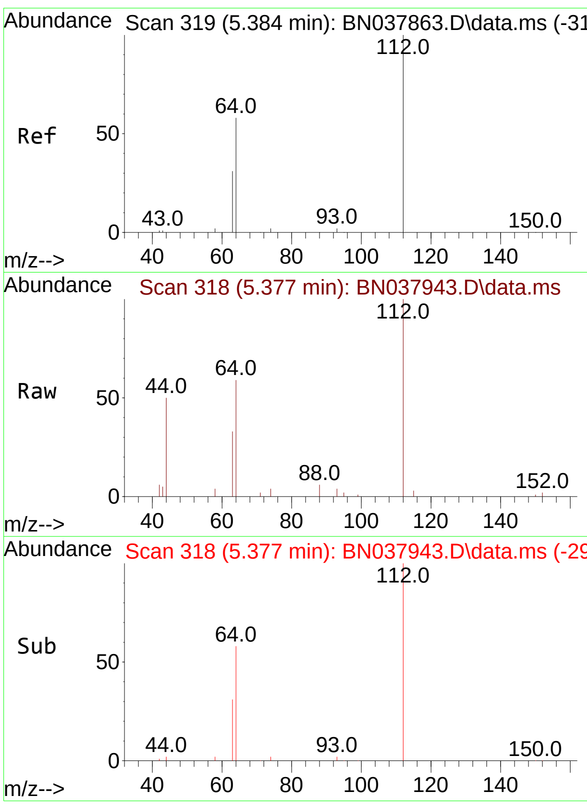


#3
n-Nitrosodimethylamine
Concen: 0.342 ng
RT: 3.601 min Scan# 7
Delta R.T. 0.000 min
Lab File: BN037943.D
Acq: 30 Sep 2025 12:16

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#

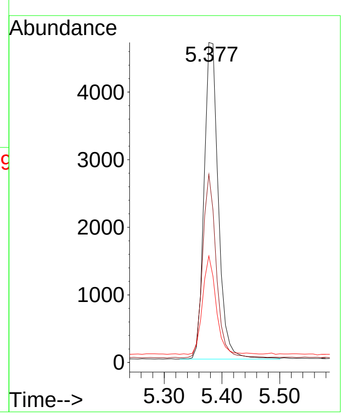




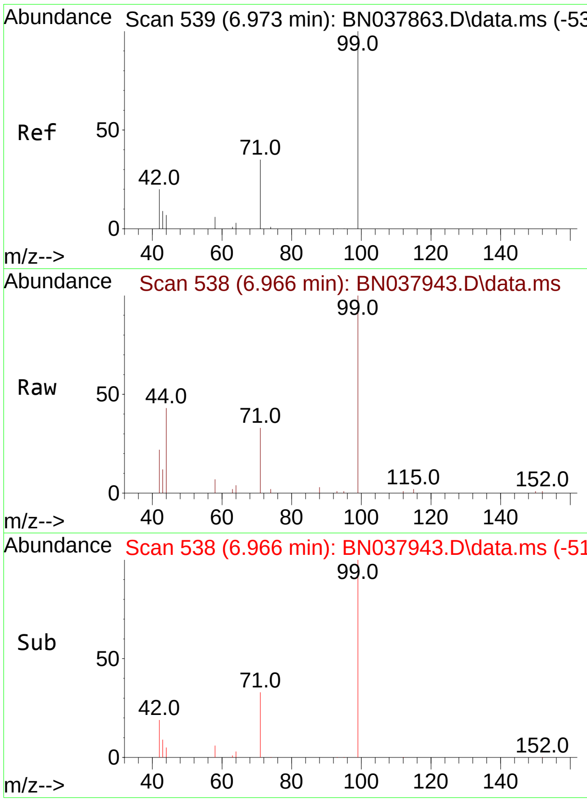
#4
2-Fluorophenol
Concen: 0.367 ng
RT: 5.377 min Scan# 318
Delta R.T. -0.007 min
Lab File: BN037943.D
Acq: 30 Sep 2025 12:16

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

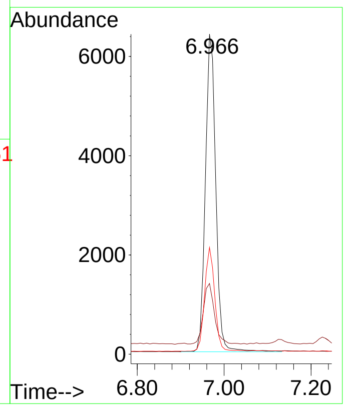


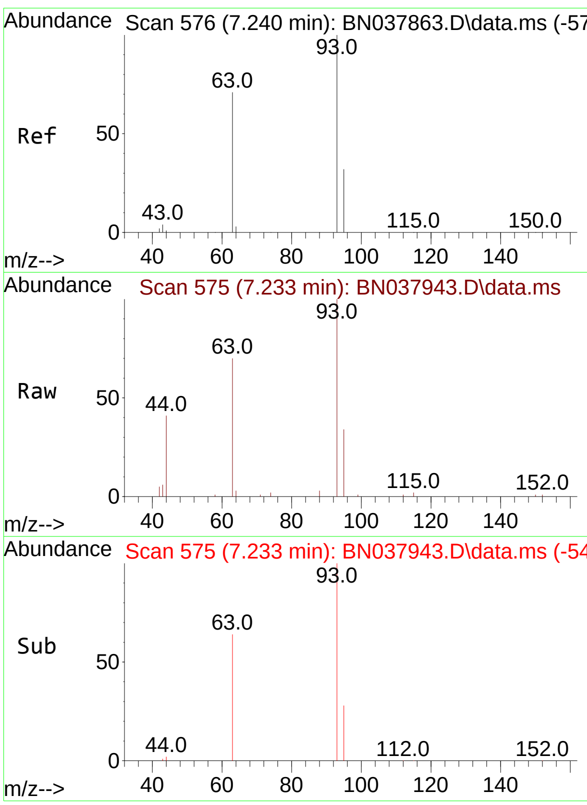
Instrument : BNA_N
ClientSampleId : SSTDCCC0.4




```
#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

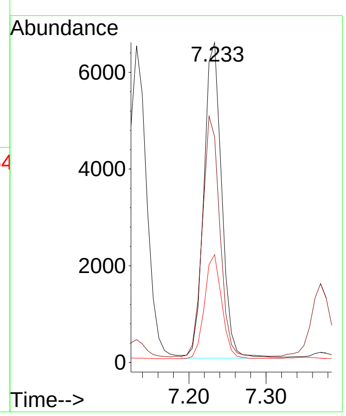
Tgt Ion: 99 Resp:   10620
Ion  Ratio  Lower  Upper
 99  100
 42   20.3   17.2   25.8
 71   31.9   27.3   40.9
```



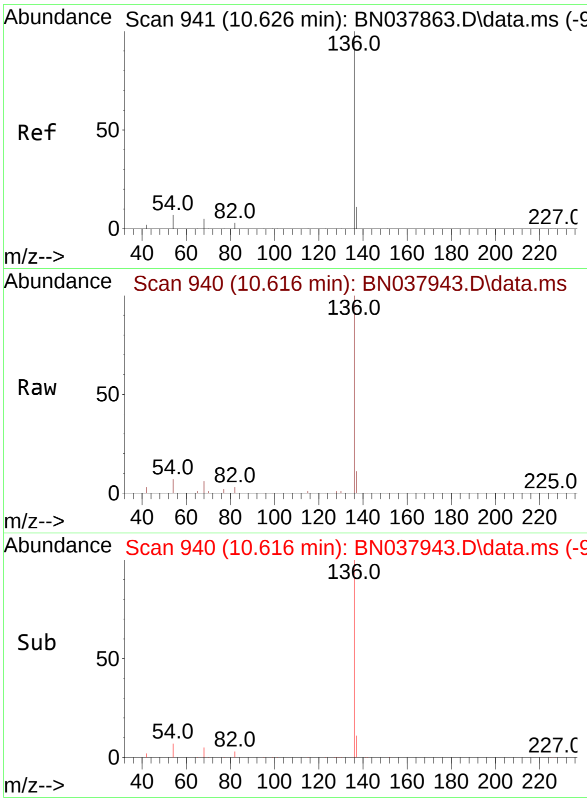



```
#6
bis(2-Chloroethyl)ether
Concen:    0.390 ng
RT:   7.233 min  Scan# 575
Delta R.T.  -0.007 min
Lab File:   BN037943.D
Acq: 30 Sep 2025  12:16

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
```



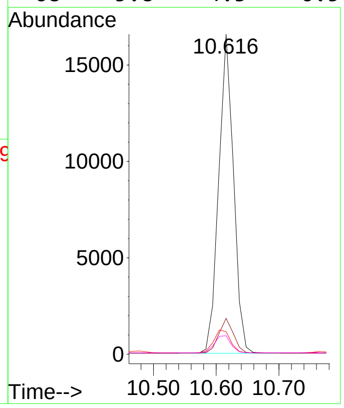
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

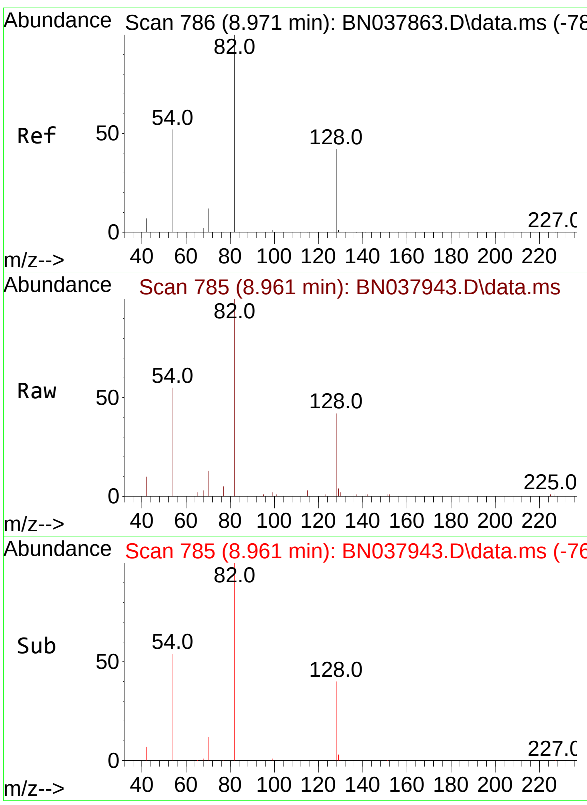


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.616 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037943.D
Acq: 30 Sep 2025 12:16

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

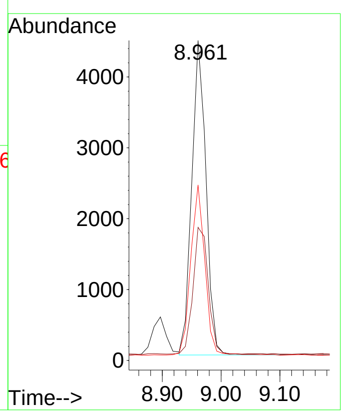




#8
Nitrobenzene-d5
Concen: 0.361 ng
RT: 8.961 min Scan# 785
Delta R.T. -0.011 min
Lab File: BN037943.D
Acq: 30 Sep 2025 12:16

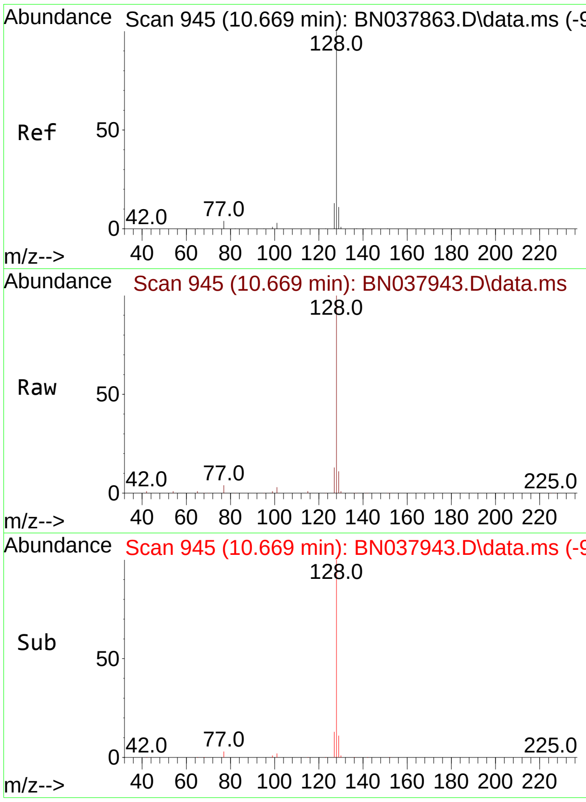
Tgt Ion: 82 Resp: 7488

Ion	Ratio	Lower	Upper
82	100		
128	41.6	34.8	52.2
54	54.8	42.2	63.2



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

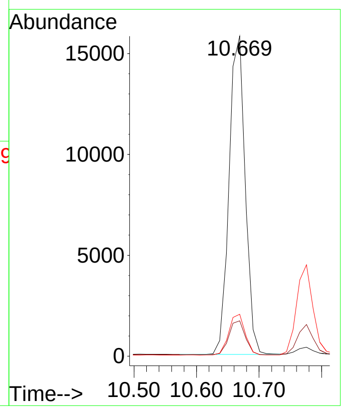
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

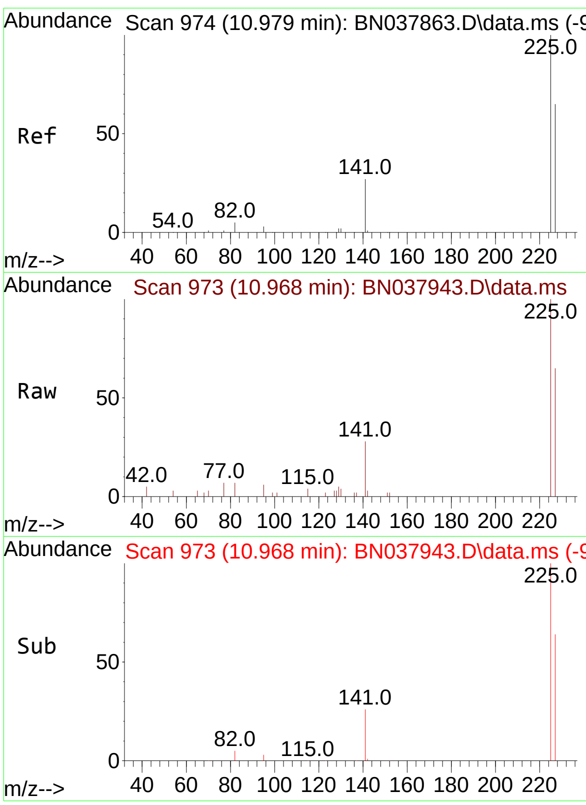


#9
Naphthalene
Concen: 0.378 ng
RT: 10.669 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN037943.D
Acq: 30 Sep 2025 12:16

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

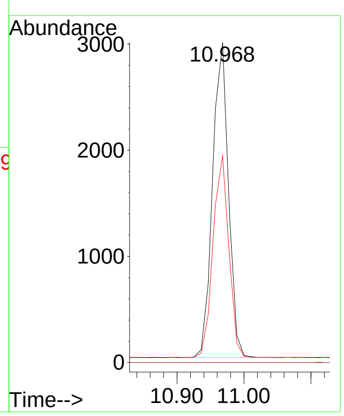




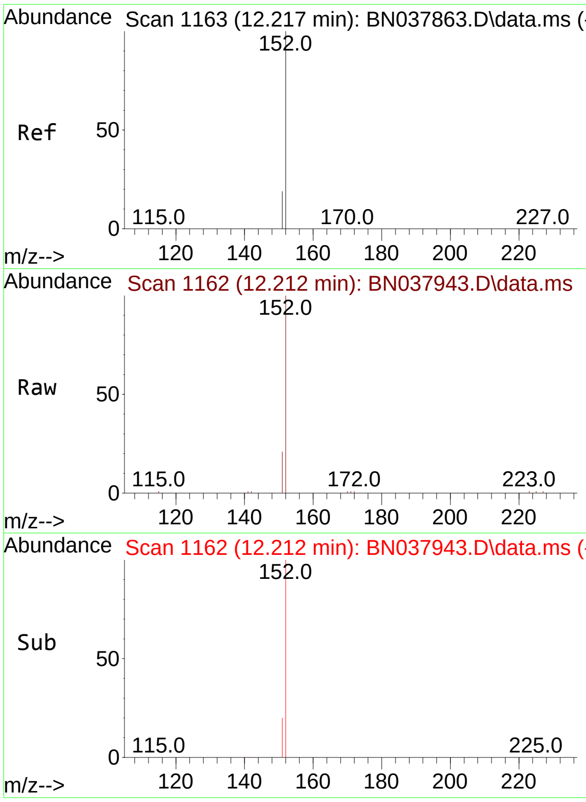
#10
Hexachlorobutadiene
Concen: 0.382 ng
RT: 10.968 min Scan# 973
Delta R.T. -0.011 min
Lab File: BN037943.D
Acq: 30 Sep 2025 12:16

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



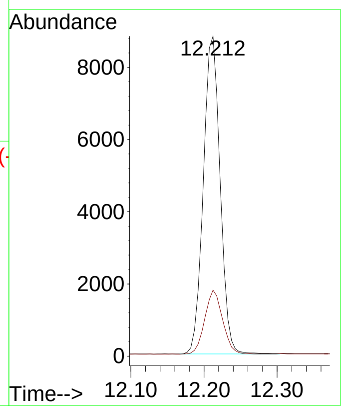
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

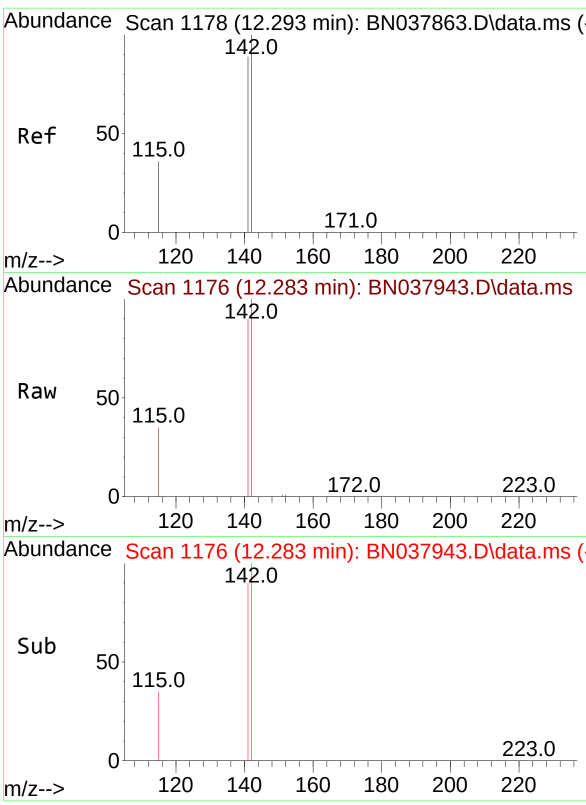


#11
2-Methylnaphthalene-d10
Concen: 0.372 ng
RT: 12.212 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN037943.D
Acq: 30 Sep 2025 12:16

Tgt Ion:152 Resp: 14048

Ion	Ratio	Lower	Upper
152	100		
151	21.4	17.4	26.2

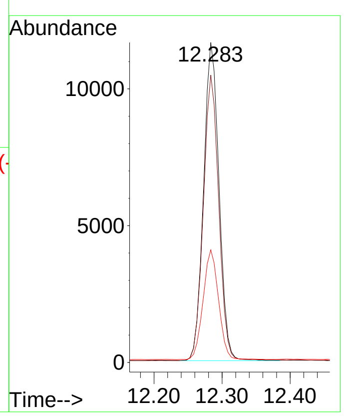




#12
2-Methylnaphthalene
Concen: 0.375 ng
RT: 12.283 min Scan# 1176
Delta R.T. -0.010 min
Lab File: BN037943.D
Acq: 30 Sep 2025 12:16

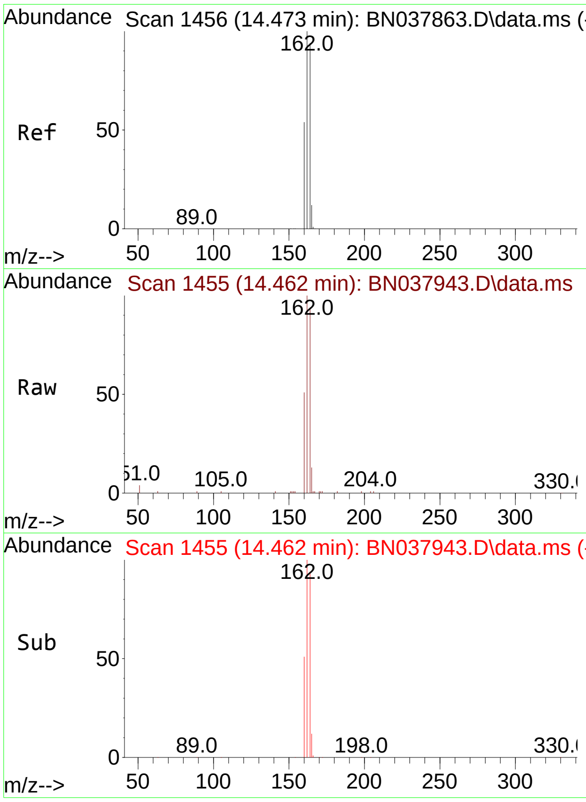
Tgt Ion:142 Resp: 18384

Ion	Ratio	Lower	Upper
142	100		
141	89.8	71.2	106.8
115	35.2	29.7	44.5



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

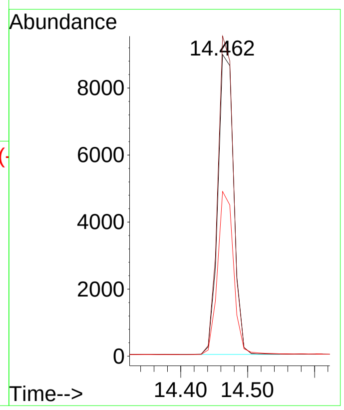
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

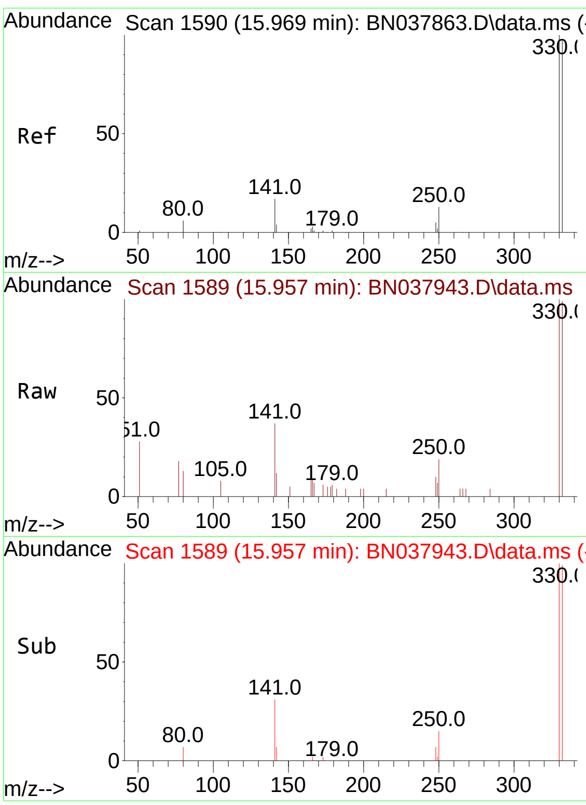


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.462 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN037943.D
Acq: 30 Sep 2025 12:16

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

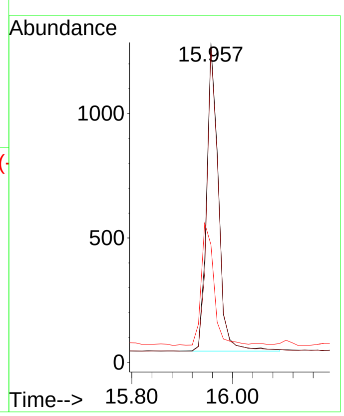




#14
2,4,6-Tribromophenol
Concen: 0.364 ng
RT: 15.957 min Scan# 1589
Delta R.T. -0.012 min
Lab File: BN037943.D
Acq: 30 Sep 2025 12:16

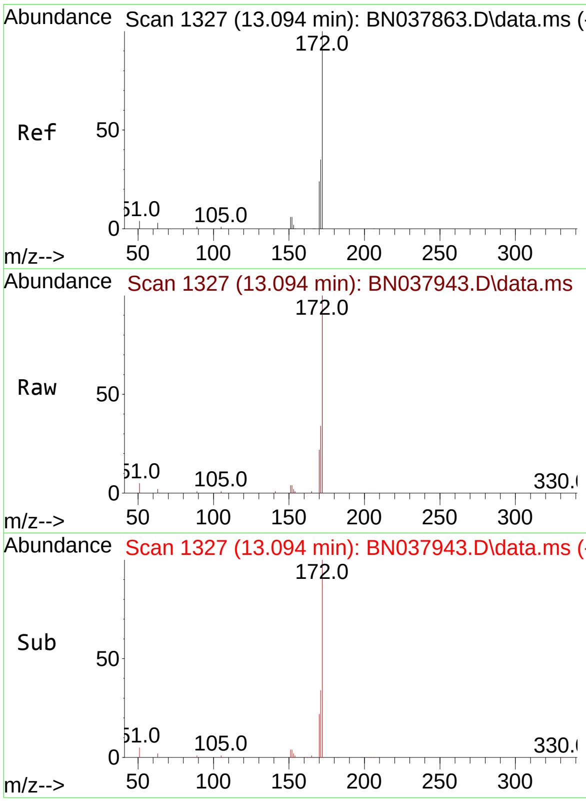
Tgt Ion:330 Resp: 2035

Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.2	115.8
141	41.7	37.2	55.8



Instrument : BNA_N
ClientSampleId : SSTDCCC0.4

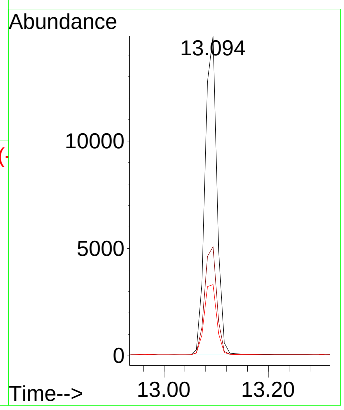
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

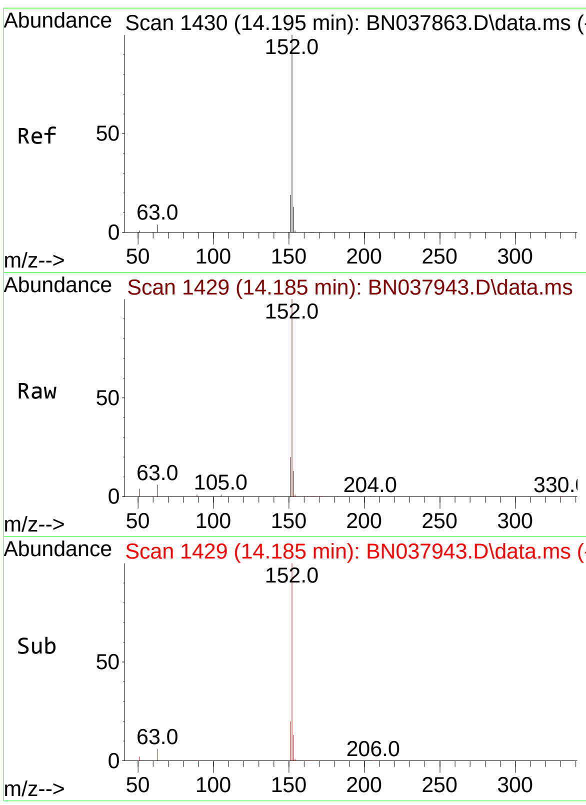


#15
2-Fluorobiphenyl
Concen: 0.391 ng
RT: 13.094 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037943.D
Acq: 30 Sep 2025 12:16

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

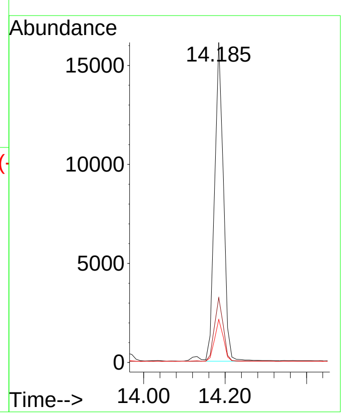




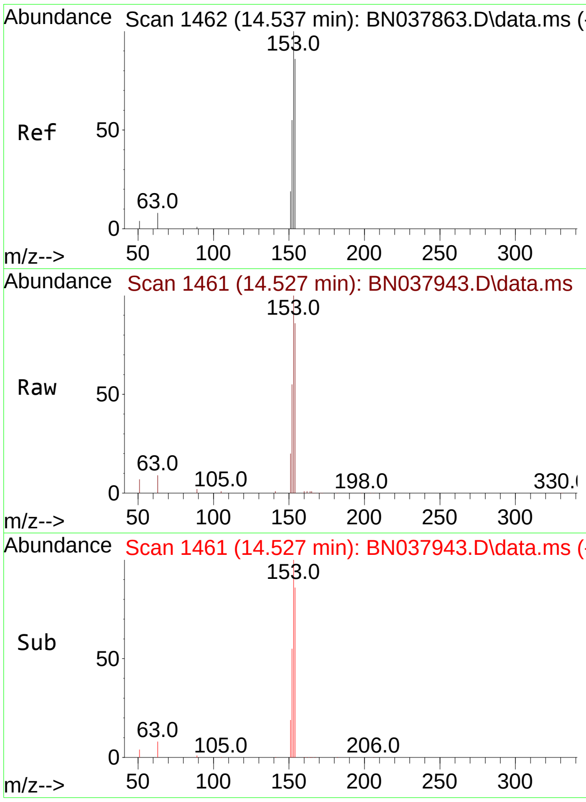
#16
Acenaphthylene
Concen: 0.368 ng
RT: 14.185 min Scan# 1429
Delta R.T. -0.011 min
Lab File: BN037943.D
Acq: 30 Sep 2025 12:16

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



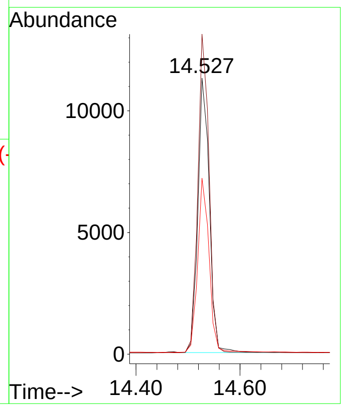
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

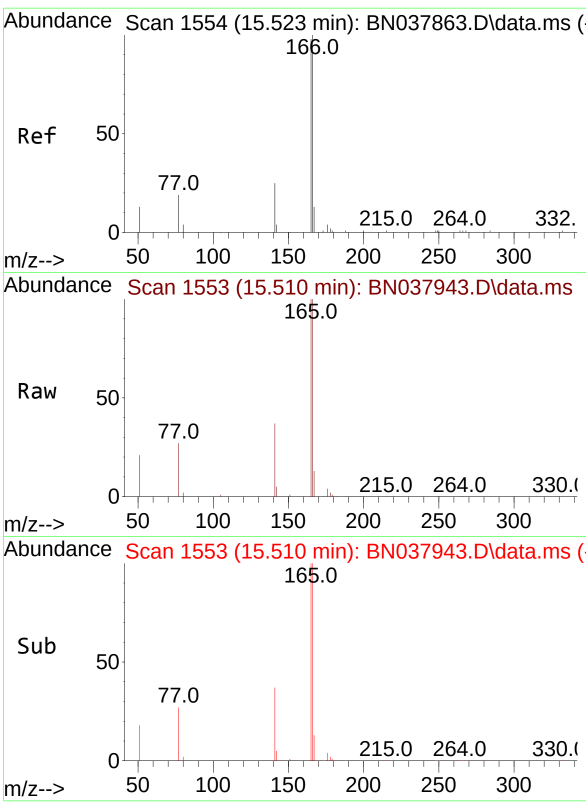


#17
Acenaphthene
Concen: 0.364 ng
RT: 14.527 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN037943.D
Acq: 30 Sep 2025 12:16

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

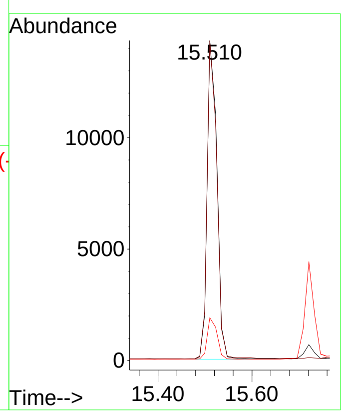




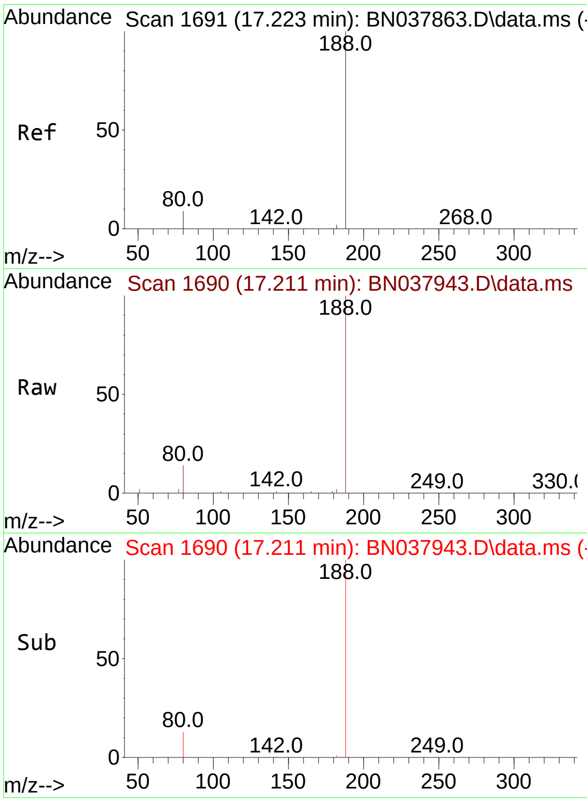
#18
Fluorene
Concen: 0.360 ng
RT: 15.510 min Scan# 1553
Delta R.T. -0.012 min
Lab File: BN037943.D
Acq: 30 Sep 2025 12:16

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



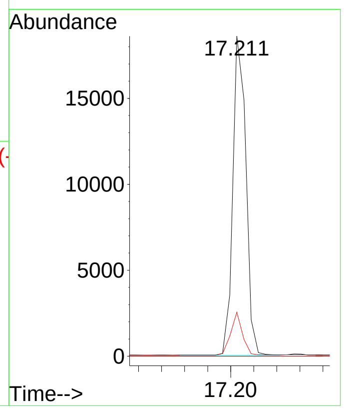
Instrument : BNA_N
ClientSampleId : SSTDCCC0.4

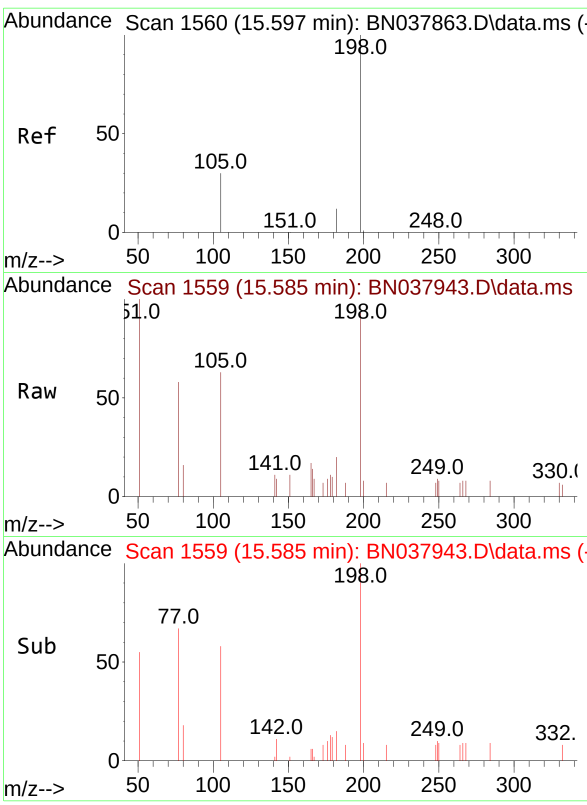


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.211 min Scan# 1(
Delta R.T. -0.012 min
Lab File: BN037943.D
Acq: 30 Sep 2025 12:16

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#

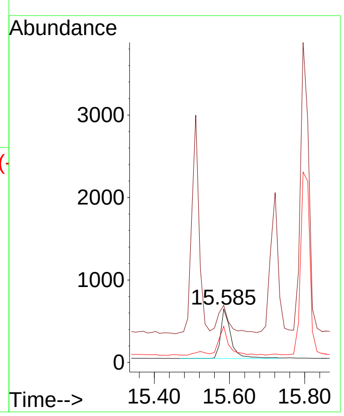




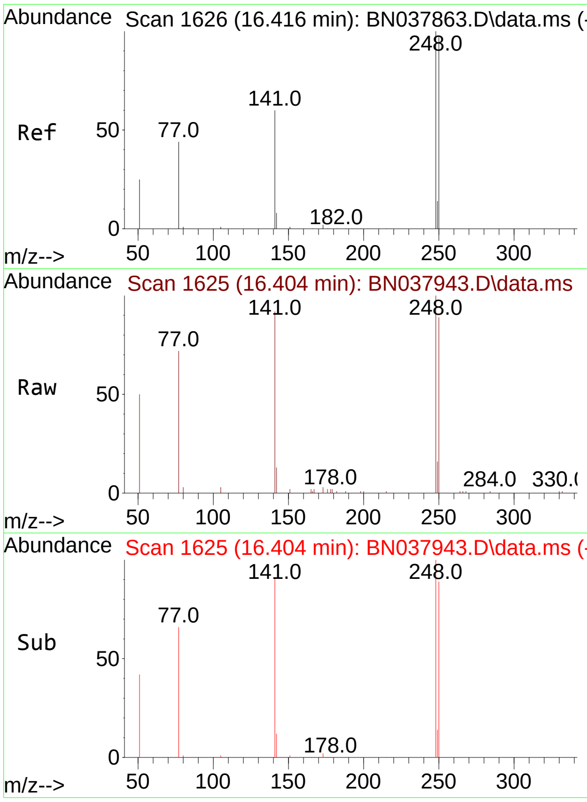
#20
4,6-Dinitro-2-methylphenol
Concen: 0.362 ng
RT: 15.585 min Scan# 1559
Delta R.T. -0.012 min
Lab File: BN037943.D
Acq: 30 Sep 2025 12:16

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#



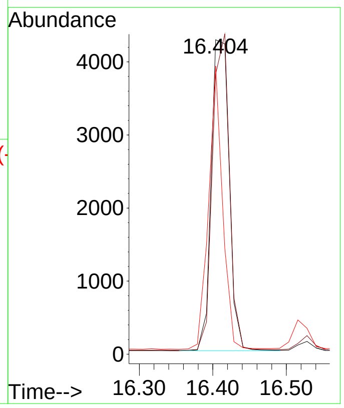
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

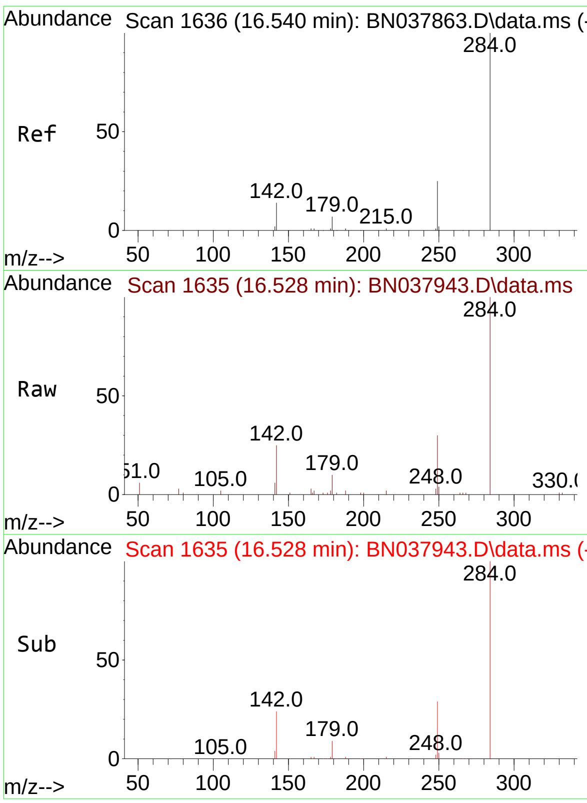


#21
4-Bromophenyl-phenylether
Concen: 0.379 ng
RT: 16.404 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037943.D
Acq: 30 Sep 2025 12:16

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#

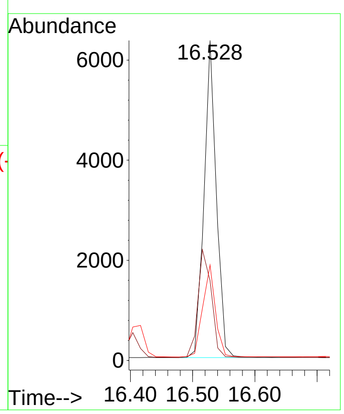




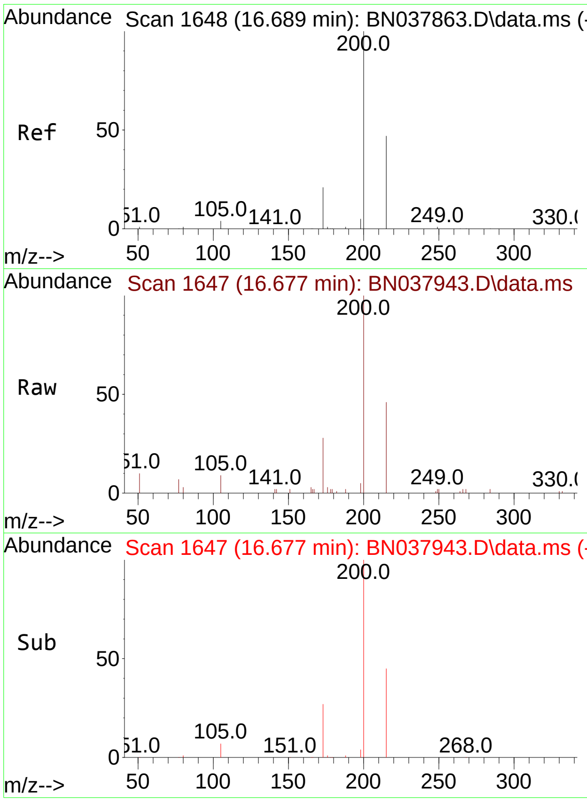
#22
Hexachlorobenzene
Concen: 0.378 ng
RT: 16.528 min Scan# 1635
Delta R.T. -0.012 min
Lab File: BN037943.D
Acq: 30 Sep 2025 12:16

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



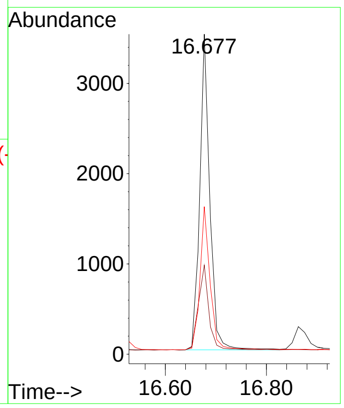
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

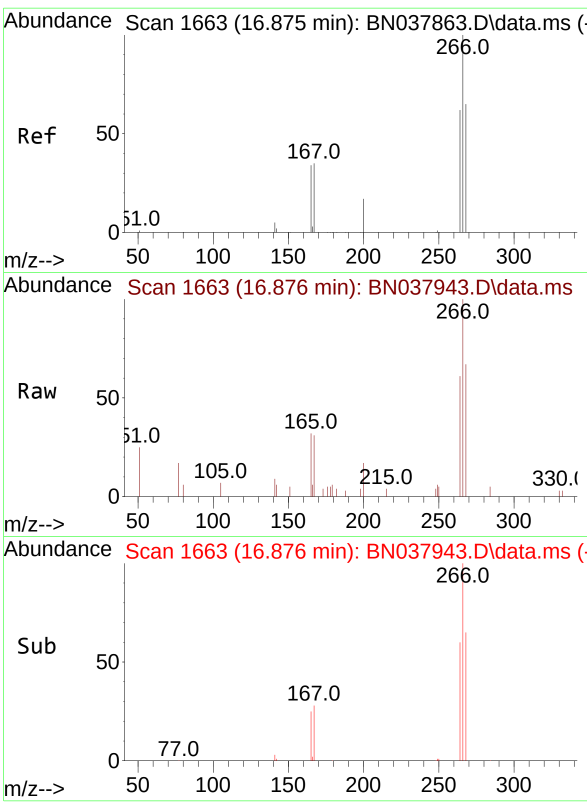


#23
Atrazine
Concen: 0.331 ng
RT: 16.677 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037943.D
Acq: 30 Sep 2025 12:16

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

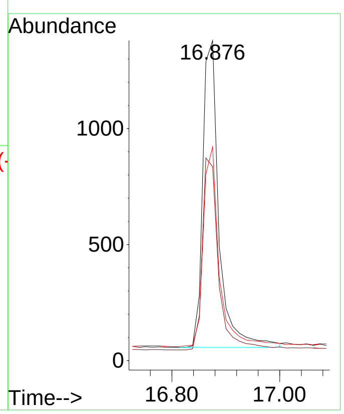




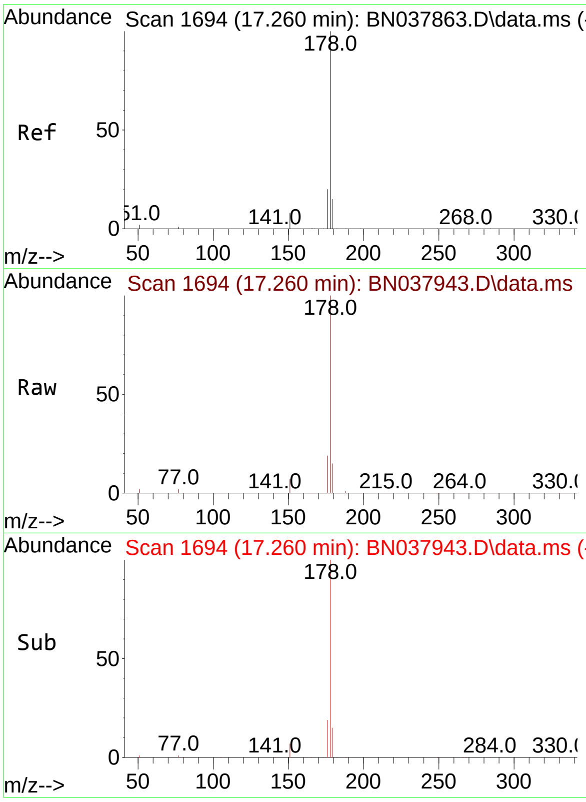
#24
Pentachlorophenol
Concen: 0.347 ng
RT: 16.876 min Scan# 1663
Delta R.T. 0.001 min
Lab File: BN037943.D
Acq: 30 Sep 2025 12:16

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



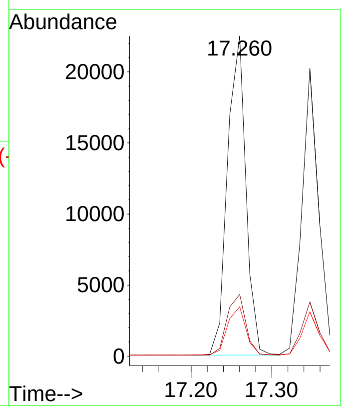
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

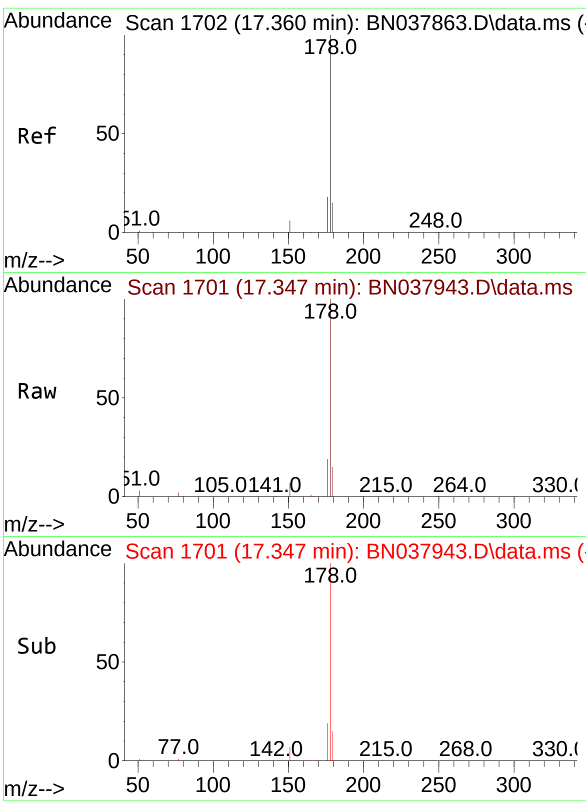


#25
Phenanthrene
Concen: 0.370 ng
RT: 17.260 min Scan# 1694
Delta R.T. 0.000 min
Lab File: BN037943.D
Acq: 30 Sep 2025 12:16

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

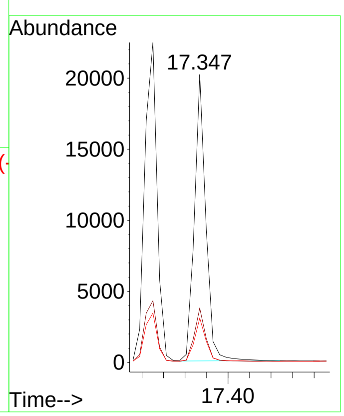




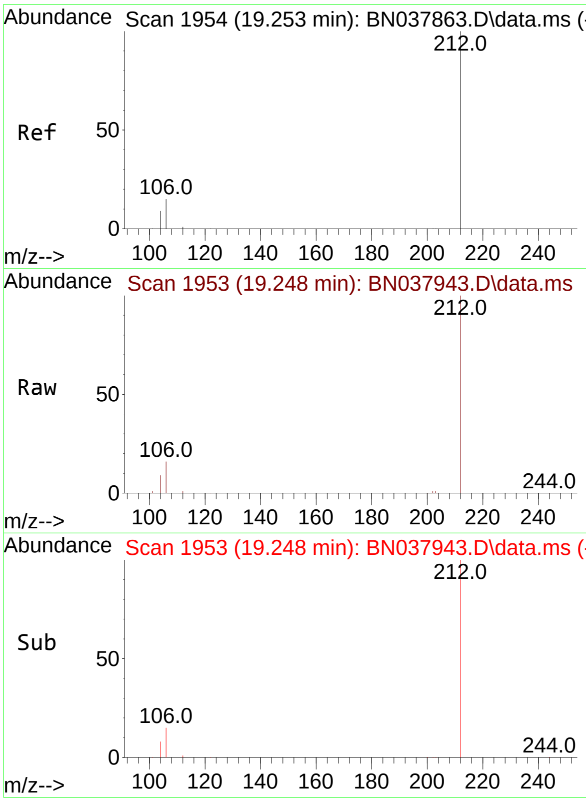
#26
Anthracene
Concen: 0.357 ng
RT: 17.347 min Scan# 1701
Delta R.T. -0.012 min
Lab File: BN037943.D
Acq: 30 Sep 2025 12:16

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



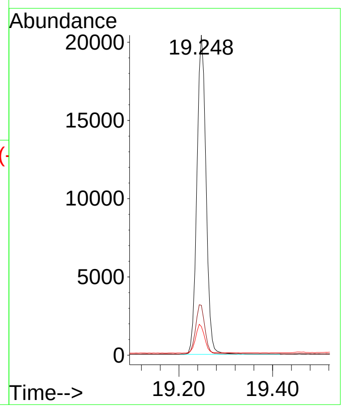
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

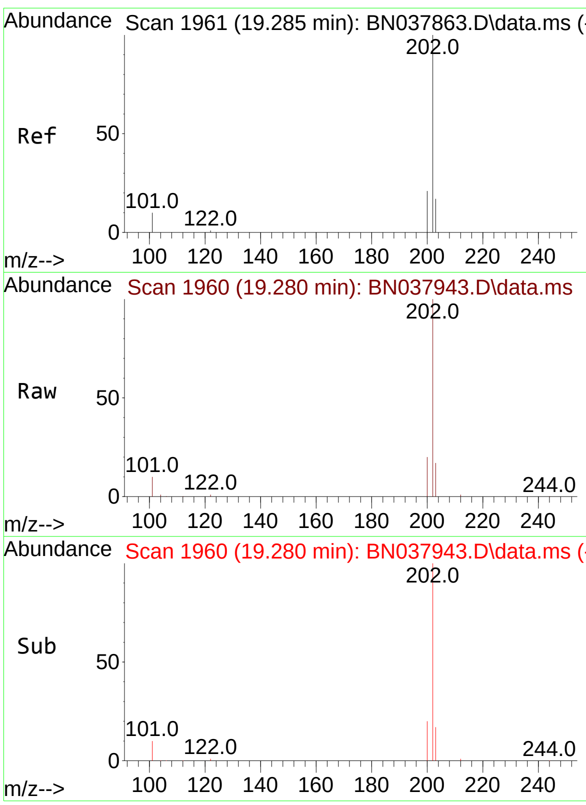


#27
Fluoranthene-d10
Concen: 0.376 ng
RT: 19.248 min Scan# 19
Delta R.T. -0.005 min
Lab File: BN037943.D
Acq: 30 Sep 2025 12:16

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

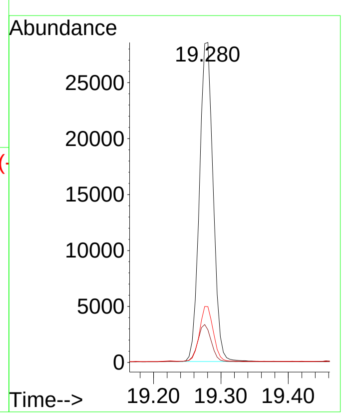




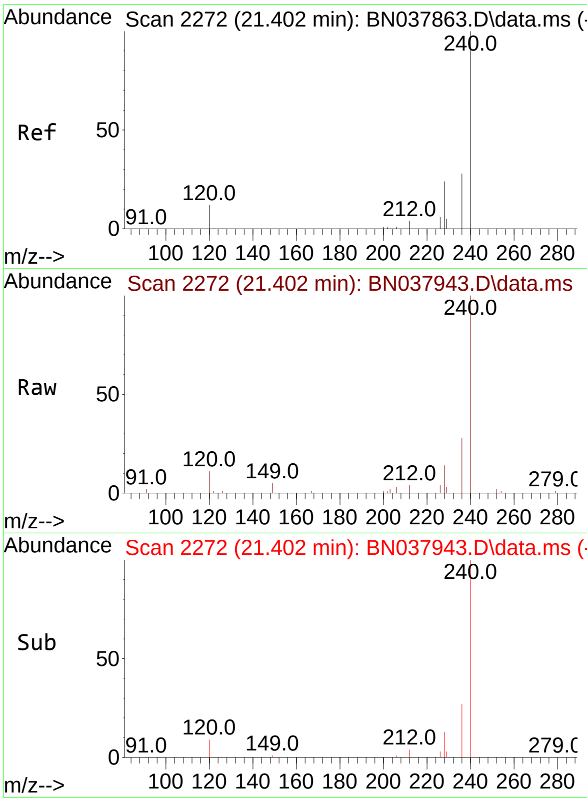
#28
Fluoranthene
Concen: 0.378 ng
RT: 19.280 min Scan# 1960
Delta R.T. -0.005 min
Lab File: BN037943.D
Acq: 30 Sep 2025 12:16

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



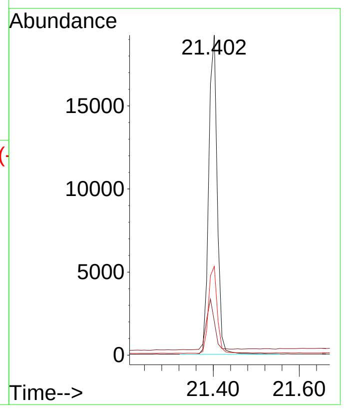
Instrument : BNA_N
ClientSampleId : SSTDCCC0.4

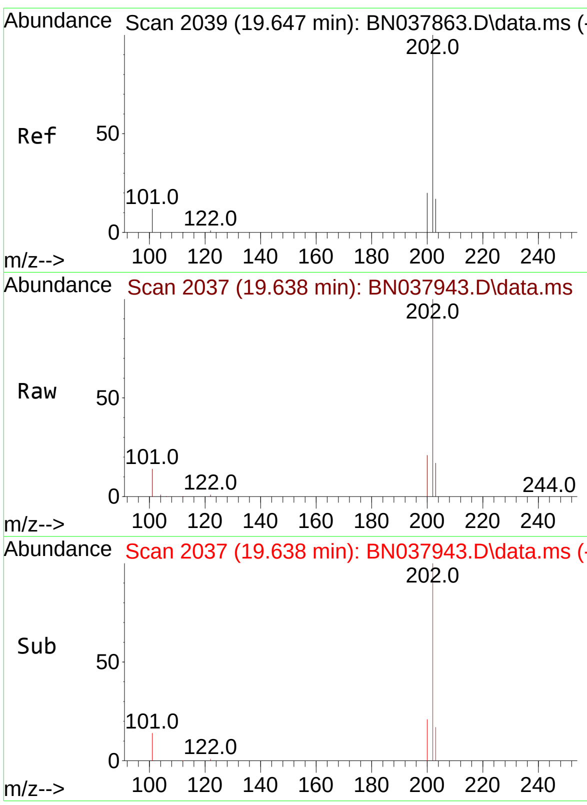


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.402 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037943.D
Acq: 30 Sep 2025 12:16

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

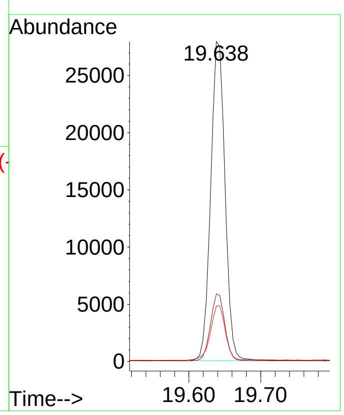




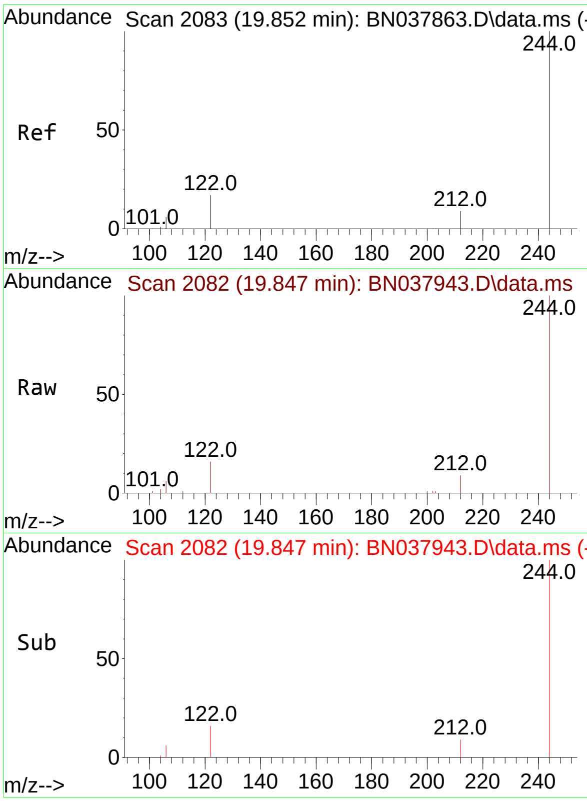
#30
Pyrene
Concen: 0.369 ng
RT: 19.638 min Scan# 2037
Delta R.T. -0.009 min
Lab File: BN037943.D
Acq: 30 Sep 2025 12:16

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



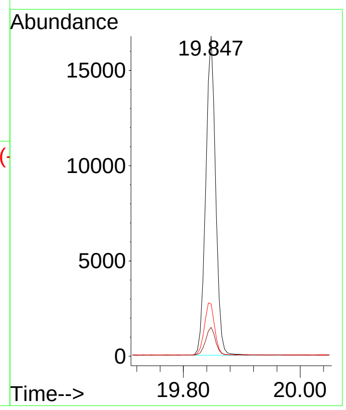
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

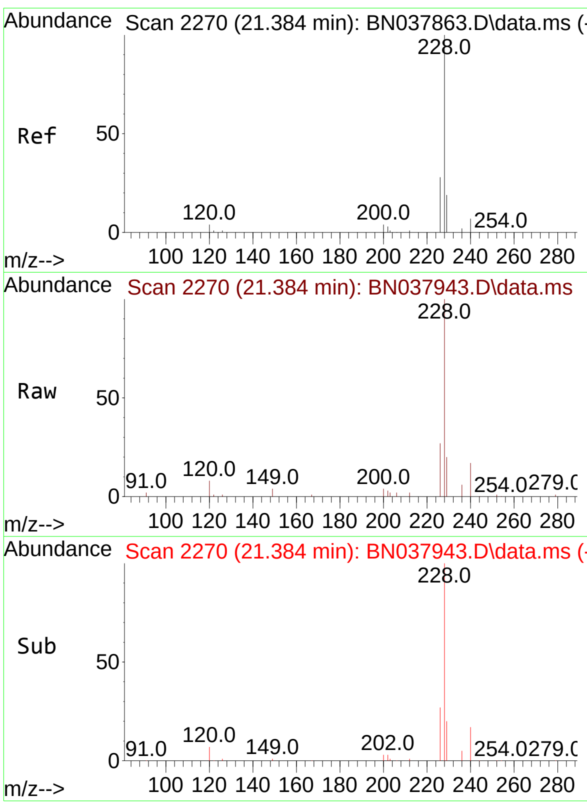


#31
Terphenyl-d14
Concen: 0.376 ng
RT: 19.847 min Scan# 20
Delta R.T. -0.005 min
Lab File: BN037943.D
Acq: 30 Sep 2025 12:16

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

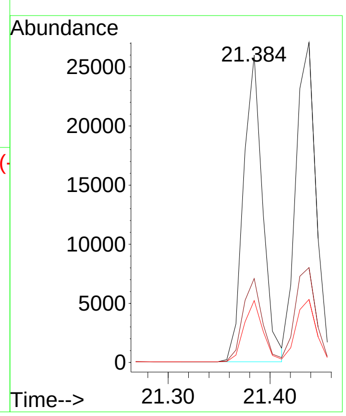




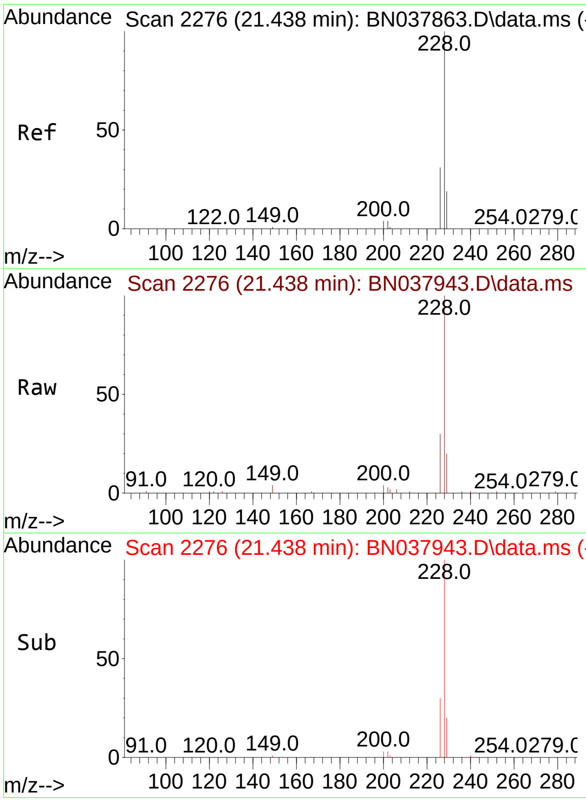
#32
Benzo(a)anthracene
Concen: 0.368 ng
RT: 21.384 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BN037943.D
Acq: 30 Sep 2025 12:16

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



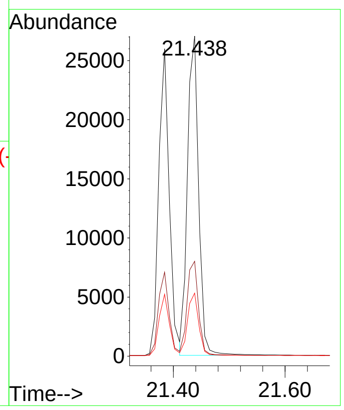
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

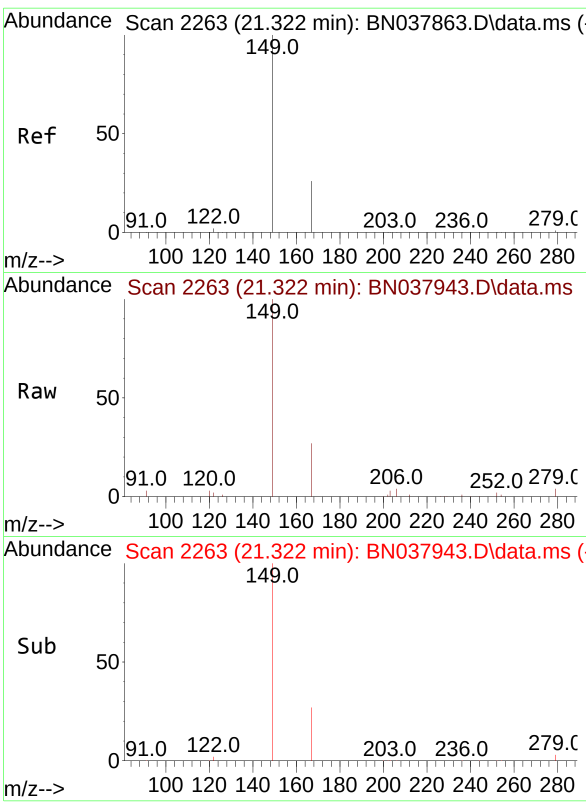


#33
Chrysene
Concen: 0.376 ng
RT: 21.438 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037943.D
Acq: 30 Sep 2025 12:16

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

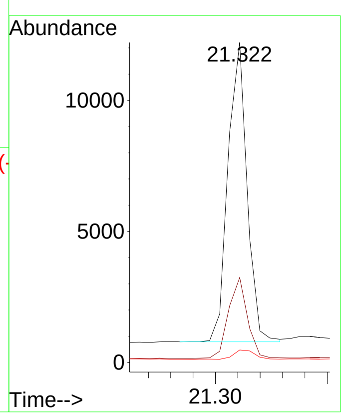




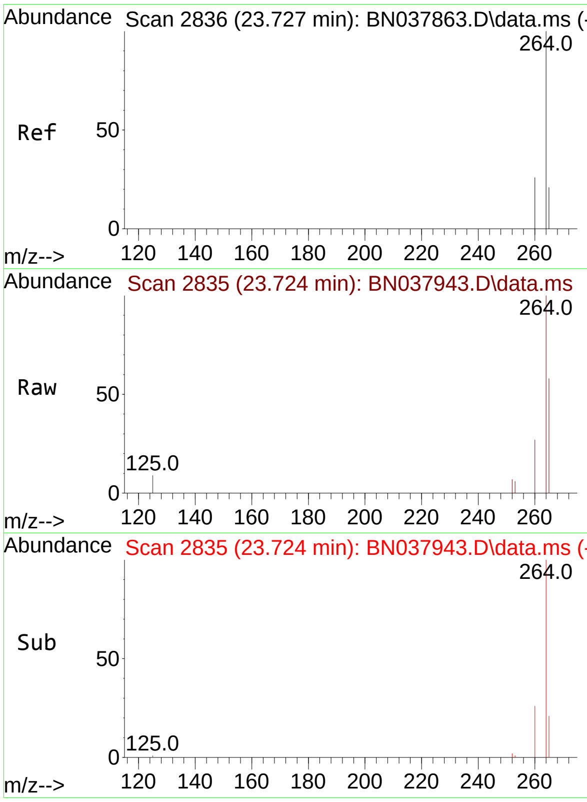
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.368 ng
RT: 21.322 min Scan# 2263
Delta R.T. 0.000 min
Lab File: BN037943.D
Acq: 30 Sep 2025 12:16

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#

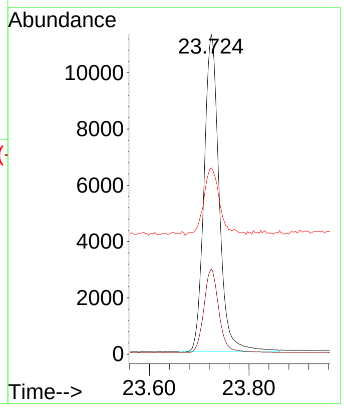


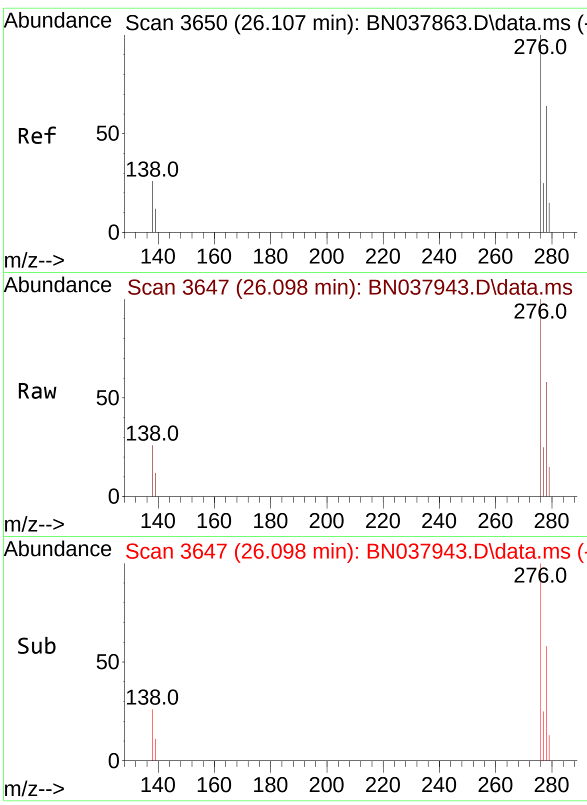
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4




```
#35
Perylene-d12
Concen:    0.400 ng
RT:  23.724 min  Scan# 28
Delta R.T.  -0.003 min
Lab File:   BN037943.D
Acq: 30 Sep 2025  12:16

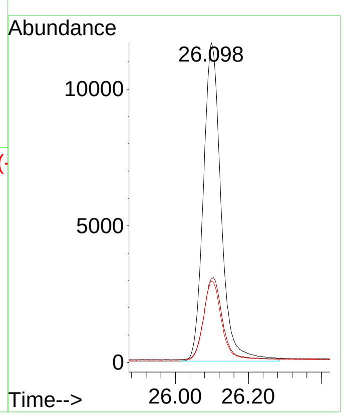
Tgt Ion:264 Resp:   23943
Ion  Ratio  Lower  Upper
264  100
260   26.6   21.5   32.3
265   58.2   53.8   80.6
```



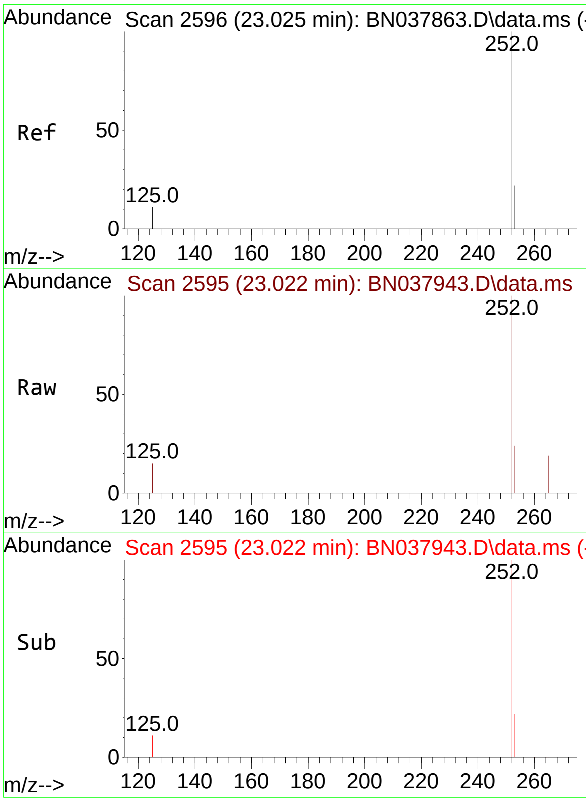



```
#36
Indeno(1,2,3-cd)pyrene
Concen:    0.360 ng
RT:  26.098 min  Scan# 3647
Delta R.T.  -0.009 min
Lab File:   BN037943.D
Acq: 30 Sep 2025  12:16

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
```

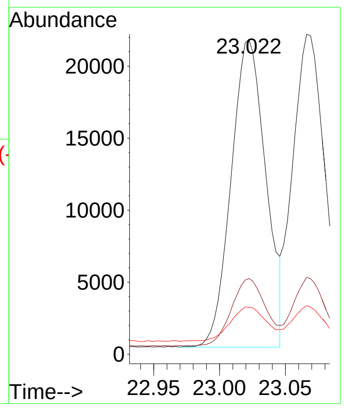


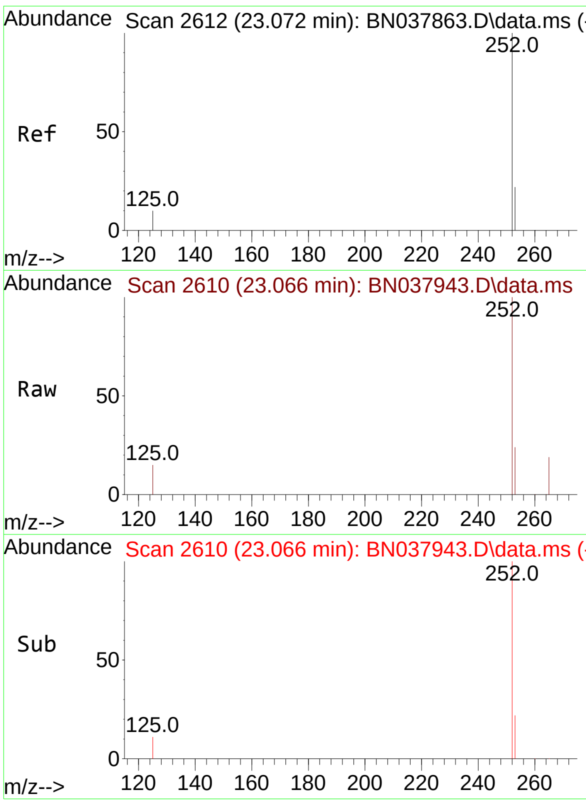
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4




```
#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

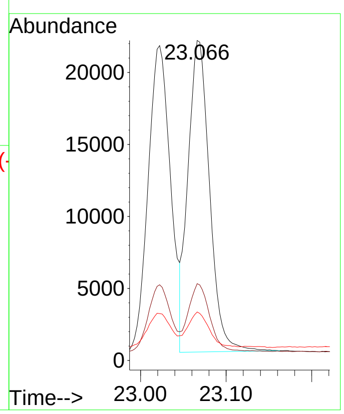
Tgt Ion:252 Resp:   39090
Ion  Ratio  Lower  Upper
252  100
253   24.0   19.4   29.0
125   14.9   13.0   19.4
```





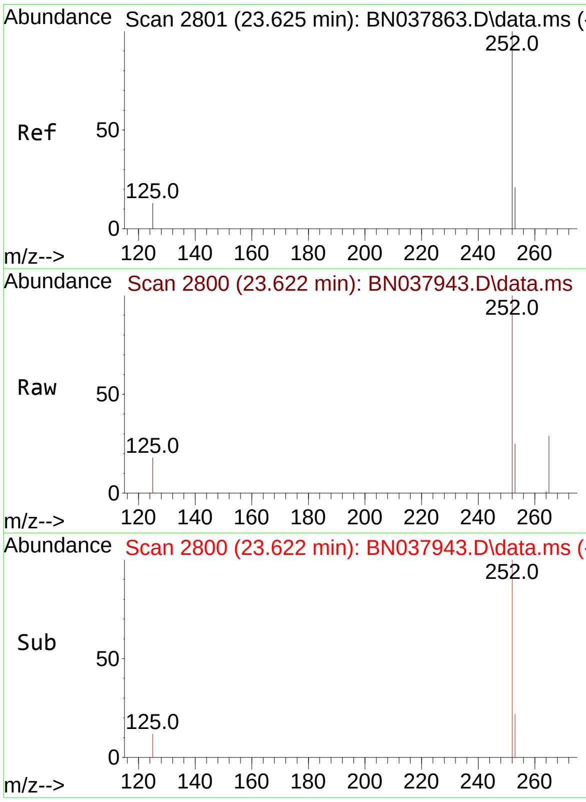

```
#38
Benzo(k)fluoranthene
Concen:    0.364 ng
RT:  23.066 min  Scan# 2610
Delta R.T.   -0.006 min
Lab File:    BN037943.D
Acq: 30 Sep 2025  12:16

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
```



Instrument : BNA_N
ClientSampleId : SSTDCCC0.4

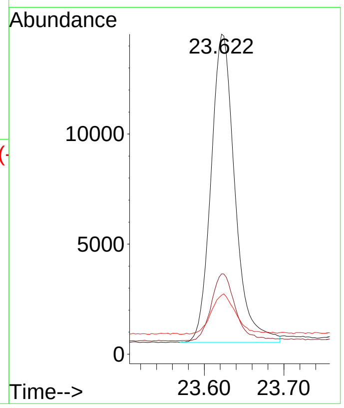
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

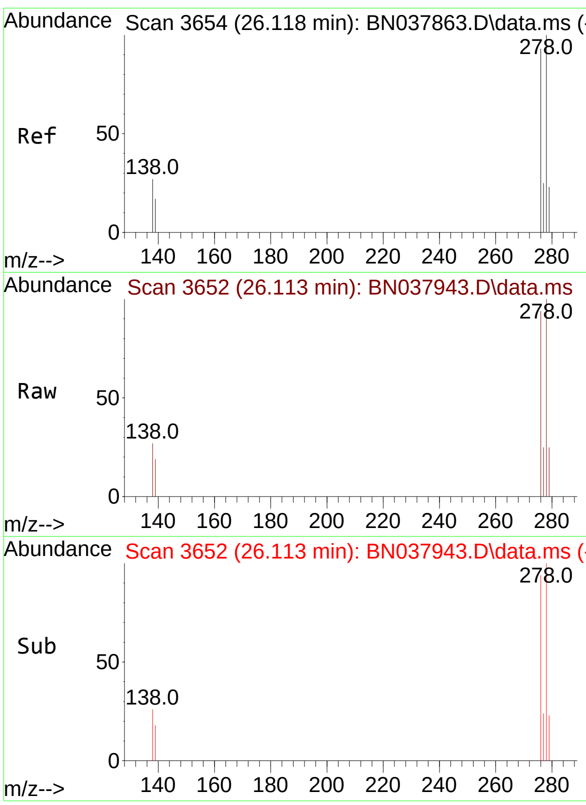


#39
Benzo(a)pyrene
Concen: 0.359 ng
RT: 23.622 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN037943.D
Acq: 30 Sep 2025 12:16

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

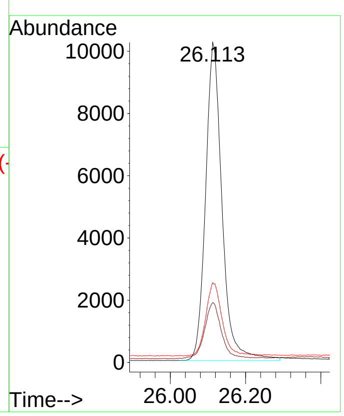


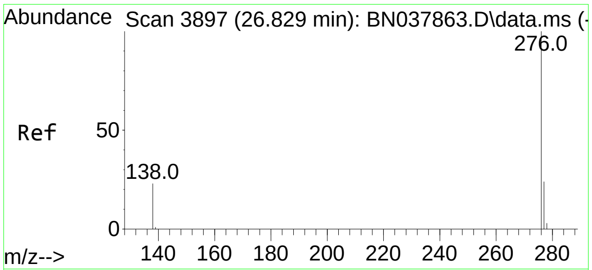


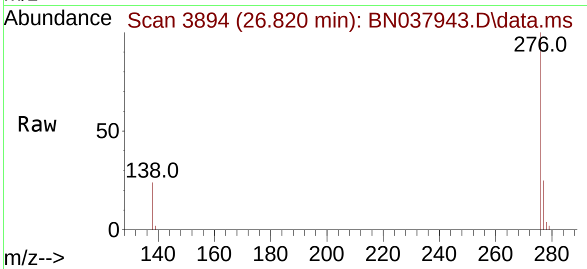
#40
Dibenzo(a,h)anthracene
Concen: 0.364 ng
RT: 26.113 min Scan# 3652
Delta R.T. -0.006 min
Lab File: BN037943.D
Acq: 30 Sep 2025 12:16

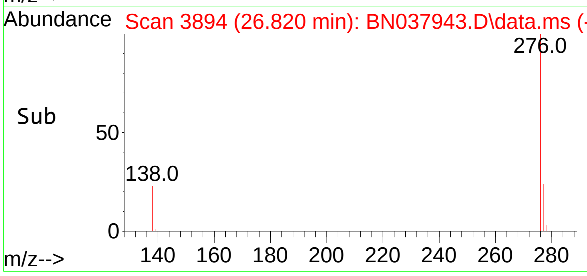
Tgt Ion:278 Resp: 31094

Ion	Ratio	Lower	Upper
278	100		
139	18.7	15.4	23.2
279	24.9	20.8	31.2







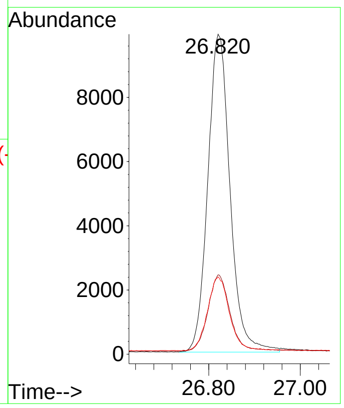


#41
Benzo(g,h,i)perylene
Concen: 0.372 ng
RT: 26.820 min Scan# 38
Delta R.T. -0.009 min
Lab File: BN037943.D
Acq: 30 Sep 2025 12:16

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

1
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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.: Q3193

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	$\overline{RRF}$	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.

Form VII SV-1

```
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

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
```

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

1
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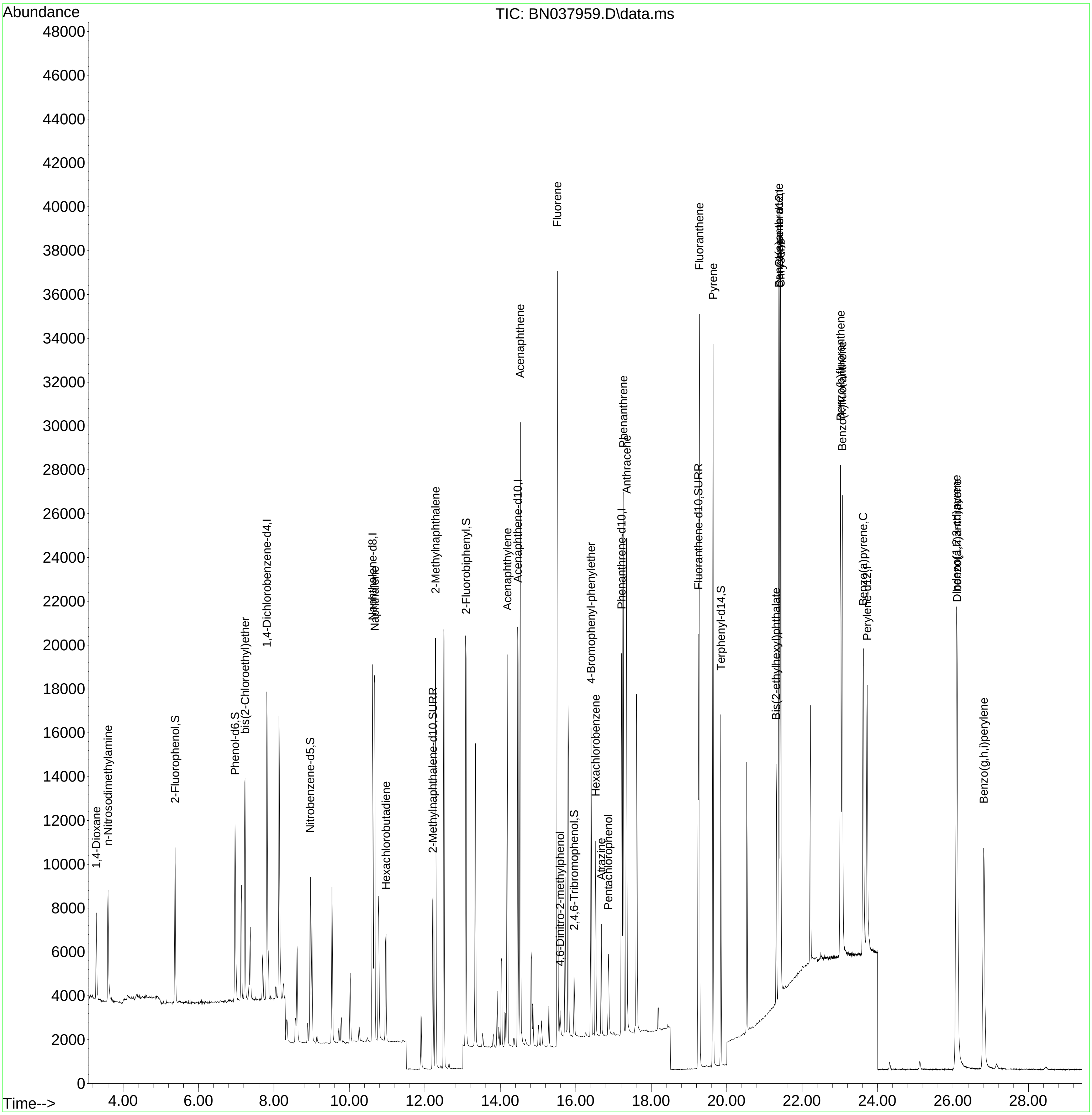
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	7.811	152	6962	0.400 ng	-0.01
7) Naphthalene-d8	10.616	136	22274	0.400 ng	-0.01
13) Acenaphthene-d10	14.462	164	11303	0.400 ng	-0.01
19) Phenanthrene-d10	17.211	188	22843	0.400 ng	#-0.01
29) Chrysene-d12	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

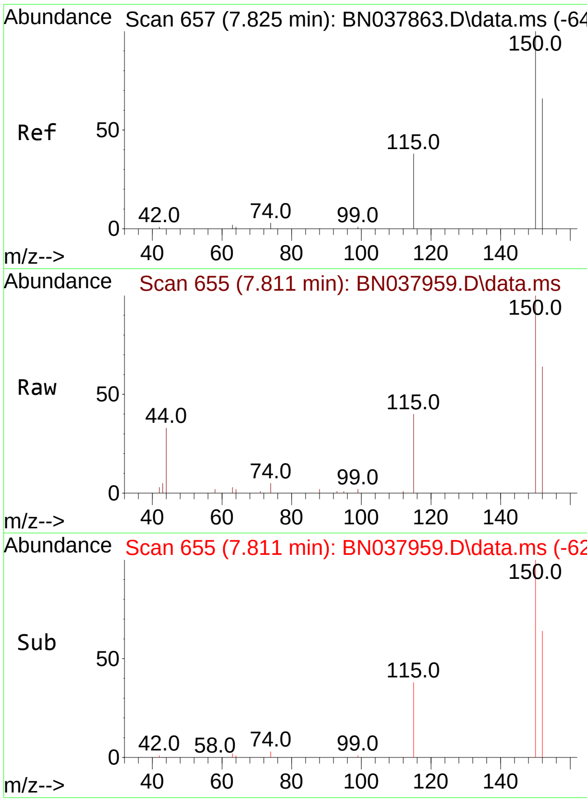
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN093025\
Data File : BN037959.D
Acq On   : 30 Sep 2025 23:14
Operator : RC/JU
Sample   : SSTDCCC0.4
Misc   :
ALS Vial : 17   Sample Multiplier: 1

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



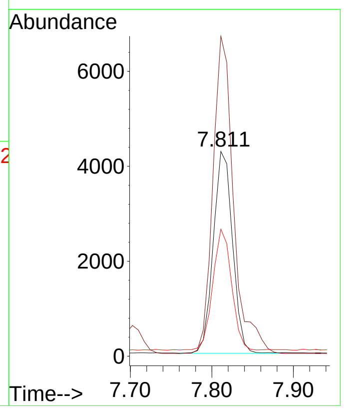
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

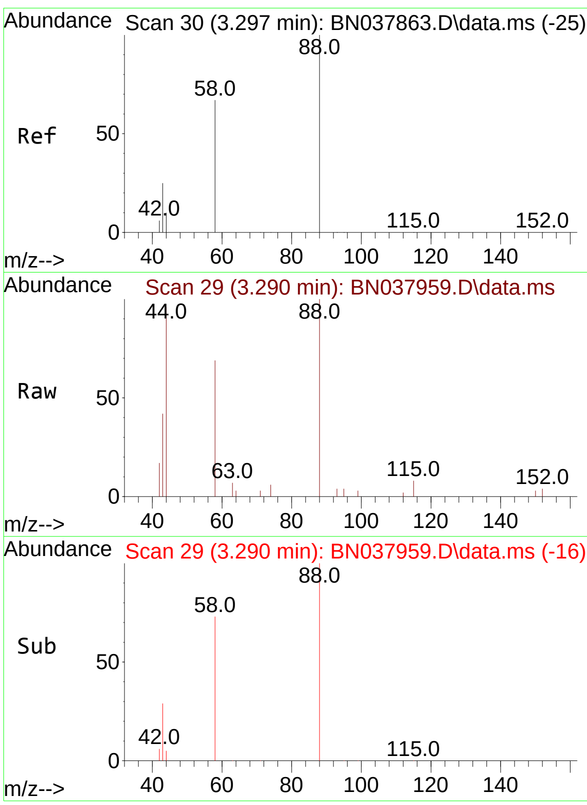


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.811 min Scan# 6!
Delta R.T. -0.014 min
Lab File: BN037959.D
Acq: 30 Sep 2025 23:14

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

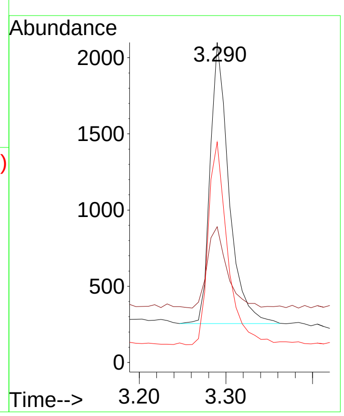




#2
1,4-Dioxane
Concen: 0.394 ng
RT: 3.290 min Scan# 29
Delta R.T. -0.007 min
Lab File: BN037959.D
Acq: 30 Sep 2025 23:14

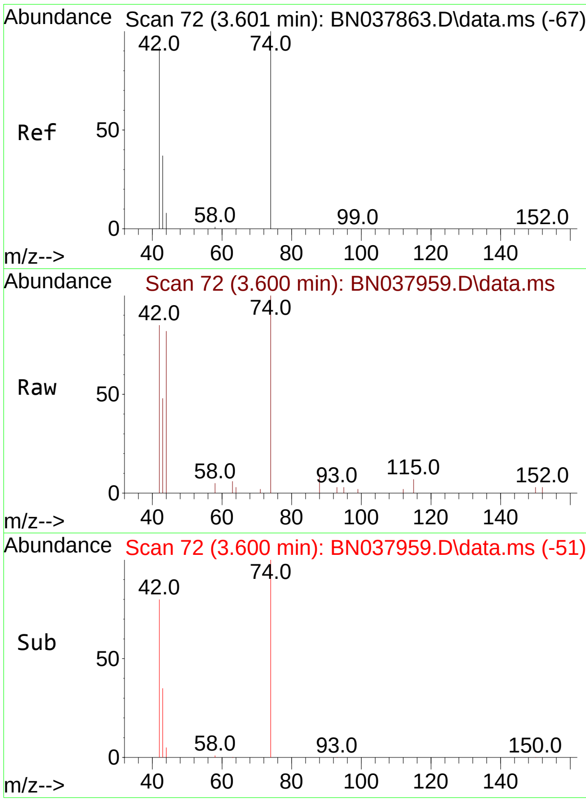
Tgt Ion: 88 Resp: 2786

Ion	Ratio	Lower	Upper
88	100		
43	29.9	26.6	39.8
58	74.2	58.9	88.3



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

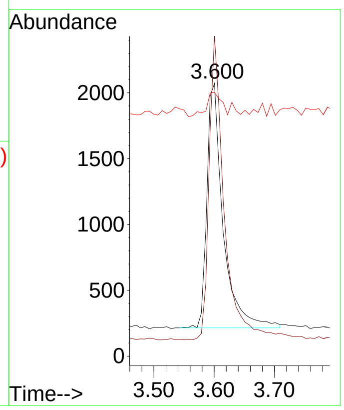
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

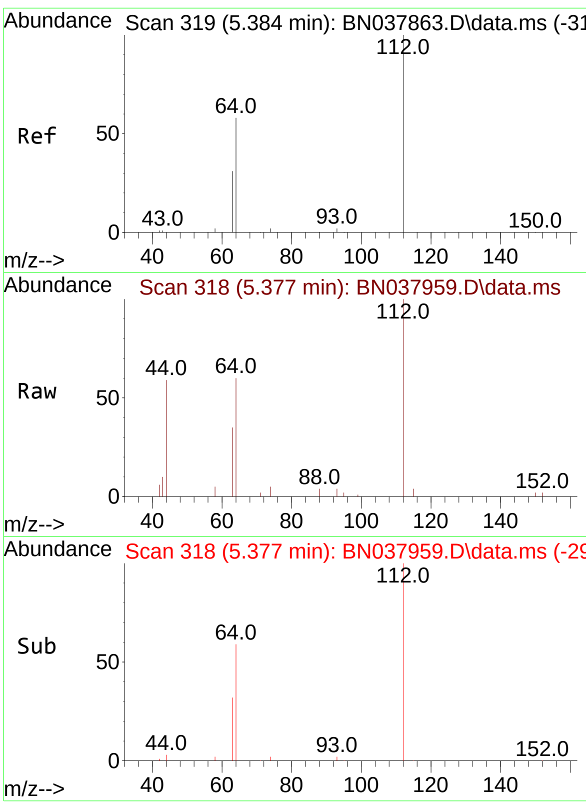


#3
n-Nitrosodimethylamine
Concen: 0.371 ng
RT: 3.600 min Scan# 7
Delta R.T. -0.000 min
Lab File: BN037959.D
Acq: 30 Sep 2025 23:14

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#

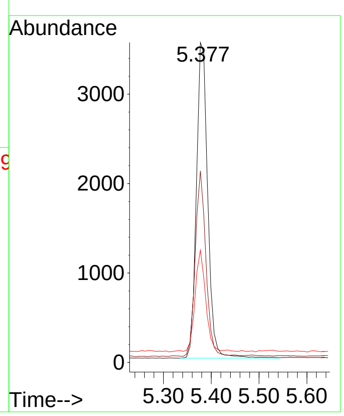




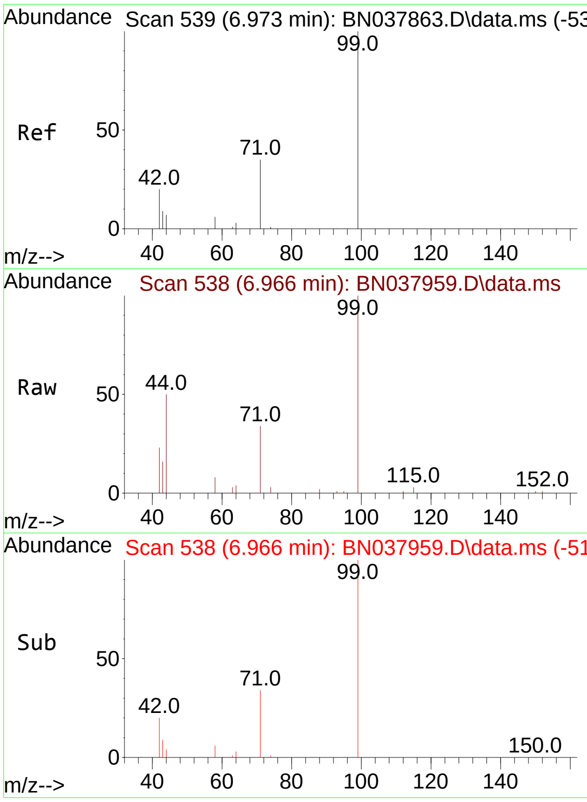
#4
2-Fluorophenol
Concen: 0.366 ng
RT: 5.377 min Scan# 318
Delta R.T. -0.007 min
Lab File: BN037959.D
Acq: 30 Sep 2025 23:14

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



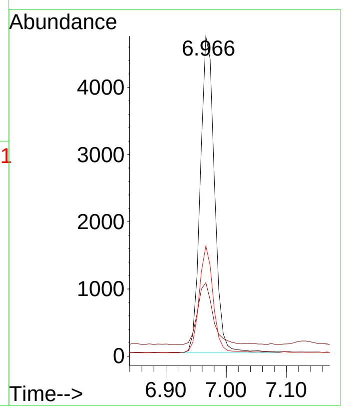
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

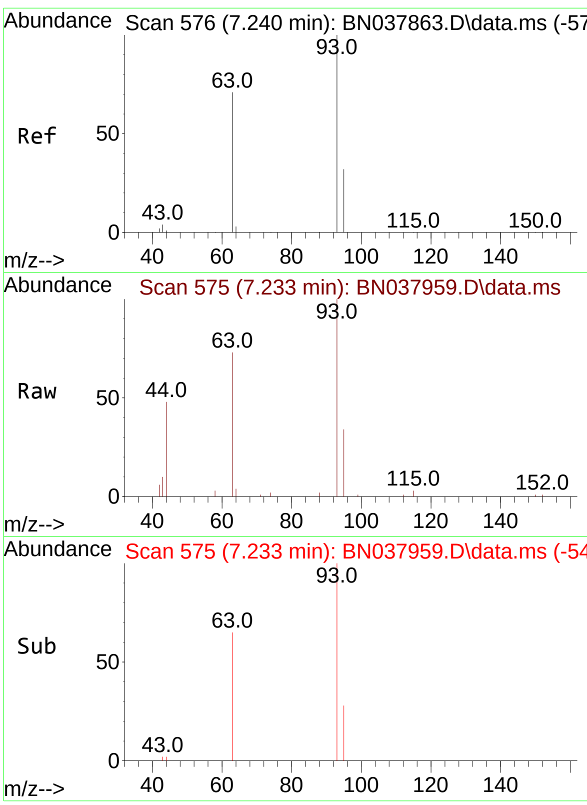


#5
Phenol-d6
Concen: 0.371 ng
RT: 6.966 min   Scan# 5
Delta R.T.   -0.007 min
Lab File: BN037959.D
Acq: 30 Sep 2025   23:14

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

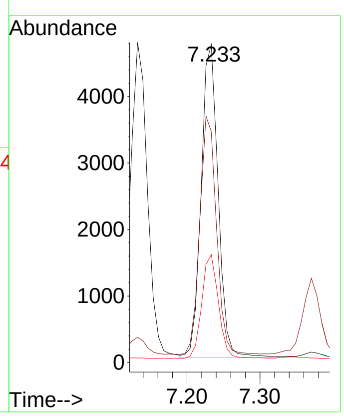




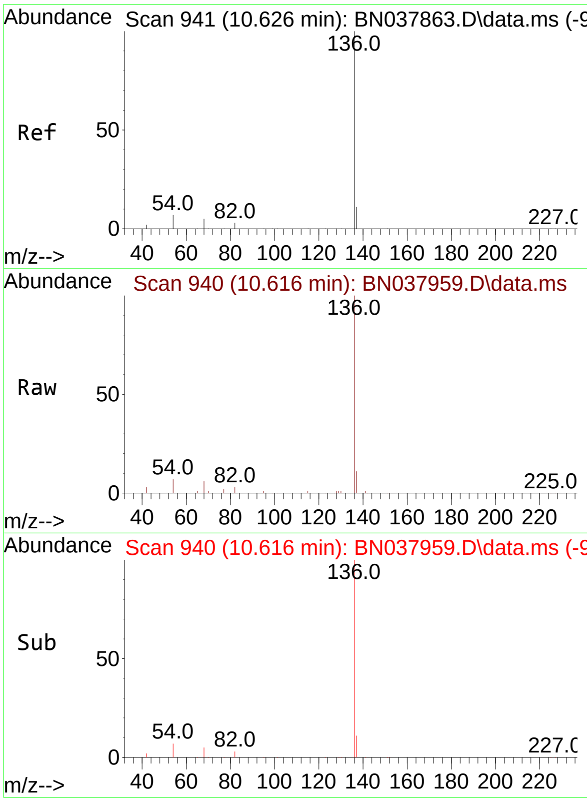
#6
bis(2-Chloroethyl)ether
Concen: 0.393 ng
RT: 7.233 min   Scan# 575
Delta R.T.   -0.007 min
Lab File: BN037959.D
Acq: 30 Sep 2025   23:14

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

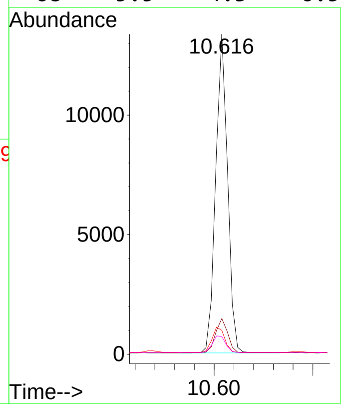


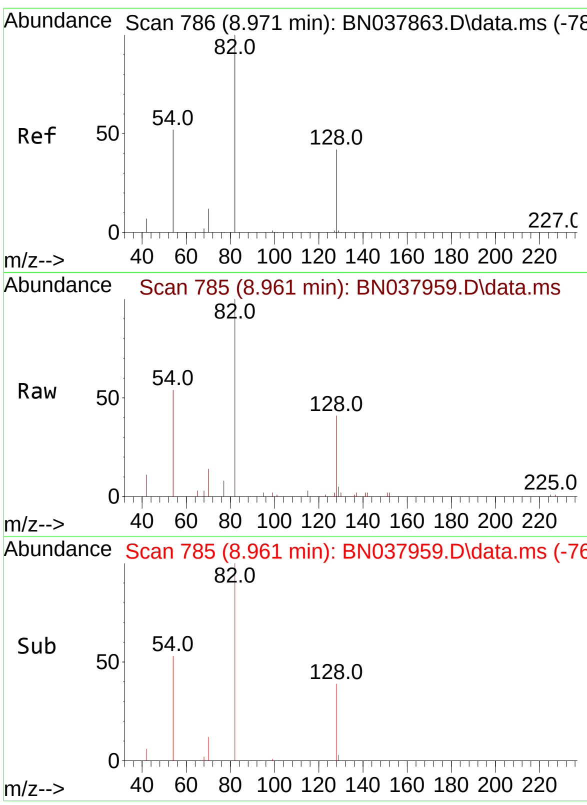
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC




```
#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

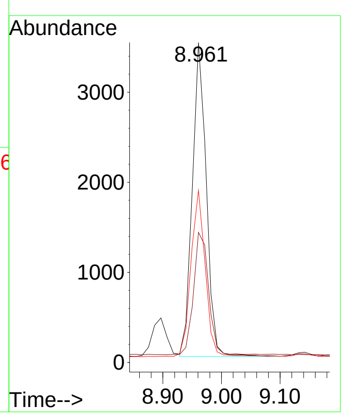
Tgt Ion:136 Resp:   22274
Ion  Ratio  Lower  Upper
136  100
137   11.2    9.0   13.4
 54    7.4    5.8    8.8
 68    5.5    4.3    6.5
```



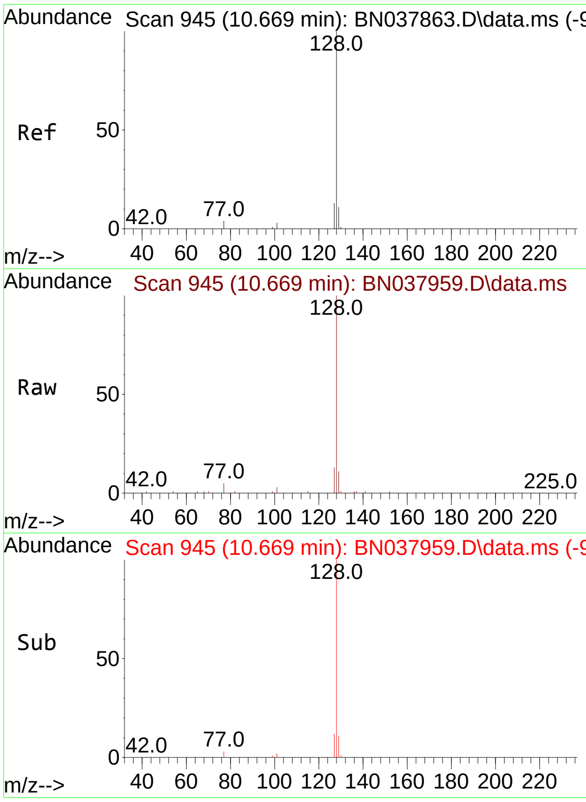



```
#8
Nitrobenzene-d5
Concen:    0.341 ng
RT:   8.961 min  Scan# 785
Delta R.T.  -0.011 min
Lab File:   BN037959.D
Acq: 30 Sep 2025  23:14

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
```

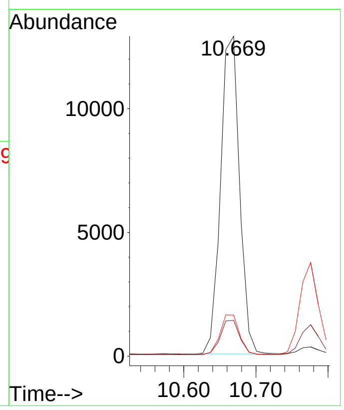


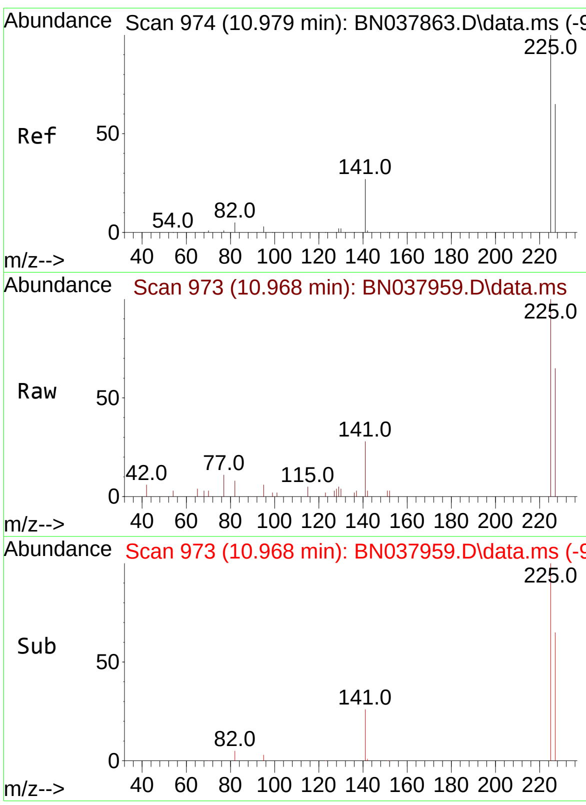
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC




```
#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

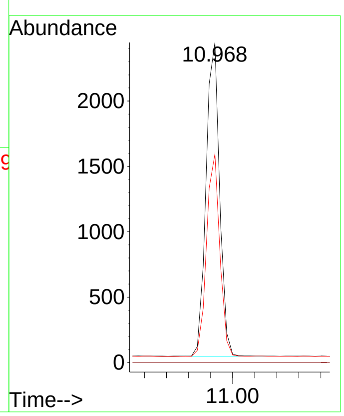
Tgt Ion:128 Resp:   23466
Ion  Ratio  Lower  Upper
128  100
129   11.2    9.2   13.8
127   12.8   11.0   16.6
```



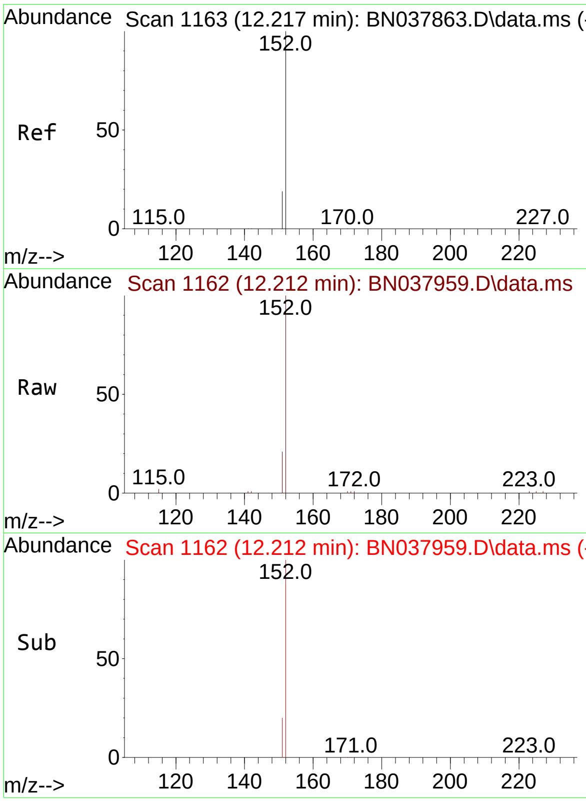



```
#10
Hexachlorobutadiene
Concen:    0.394 ng
RT:  10.968 min  Scan# 973
Delta R.T.   -0.011 min
Lab File:    BN037959.D
Acq: 30 Sep 2025  23:14

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
```



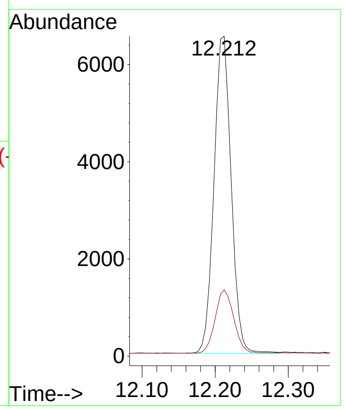
Instrument : BNA_N
ClientSampleId : SSTDCCC0.4EC

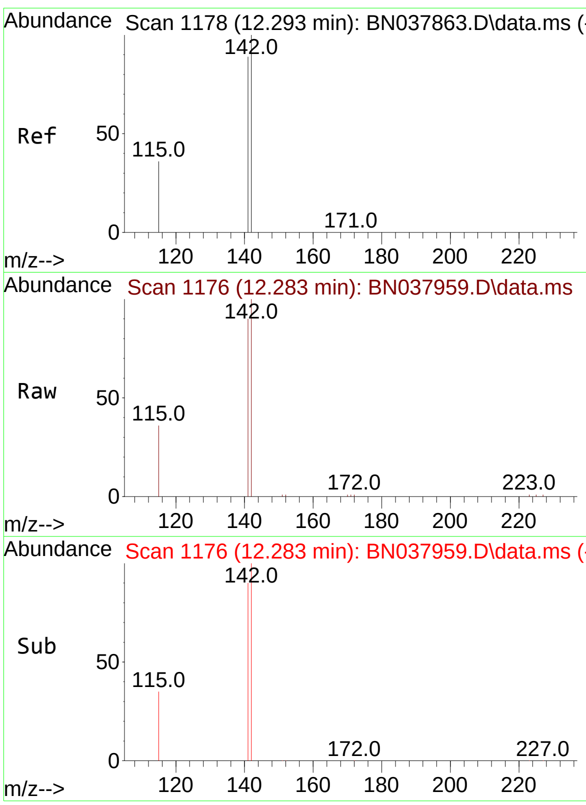


#11
2-Methylnaphthalene-d10
Concen: 0.345 ng
RT: 12.212 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN037959.D
Acq: 30 Sep 2025 23:14

Tgt Ion:152 Resp: 10669

Ion	Ratio	Lower	Upper
152	100		
151	21.8	17.4	26.2

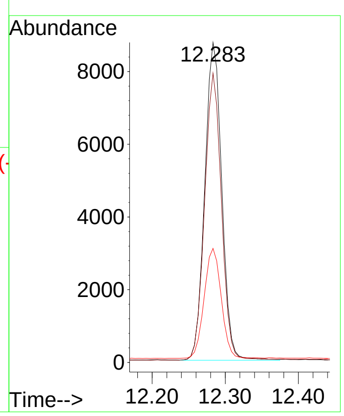




#12
2-Methylnaphthalene
Concen: 0.353 ng
RT: 12.283 min Scan# 1176
Delta R.T. -0.010 min
Lab File: BN037959.D
Acq: 30 Sep 2025 23:14

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



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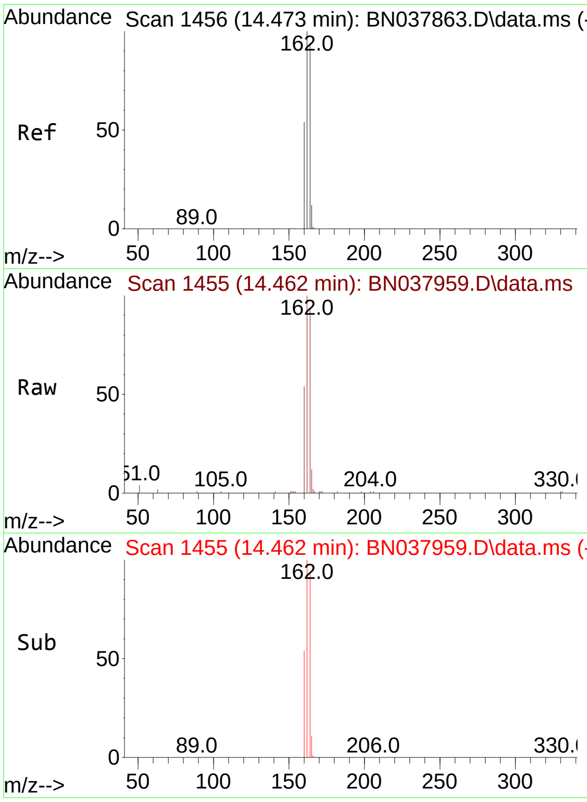
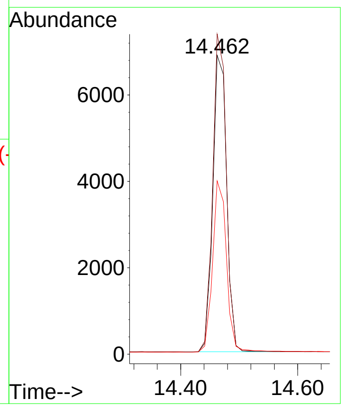
Instrument : BNA_N
ClientSampleId : SSTDCCC0.4EC

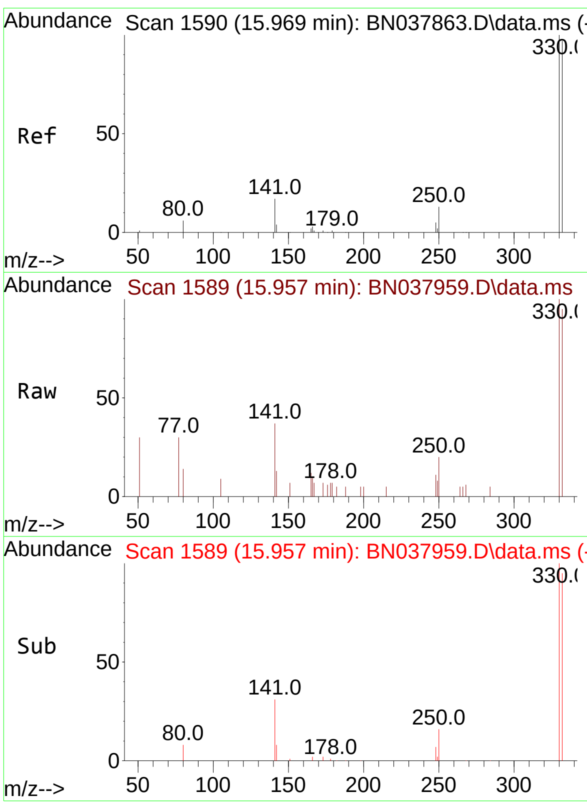


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.462 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN037959.D
Acq: 30 Sep 2025 23:14

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

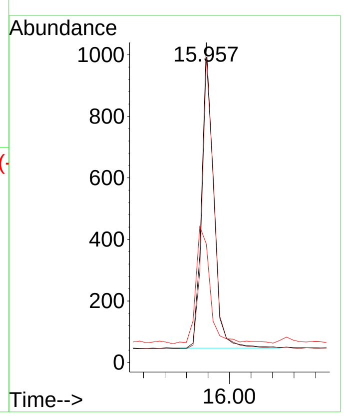




#14
2,4,6-Tribromophenol
Concen: 0.356 ng
RT: 15.957 min Scan# 1589
Delta R.T. -0.012 min
Lab File: BN037959.D
Acq: 30 Sep 2025 23:14

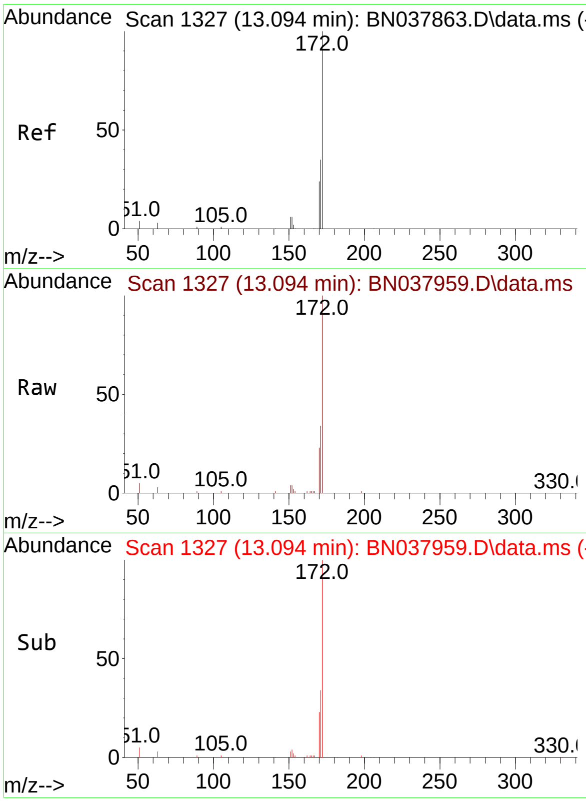
Tgt Ion:330 Resp: 1527

Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.2	115.8
141	46.7	37.2	55.8



Instrument : BNA_N
ClientSampleId : SSTDCCC0.4EC

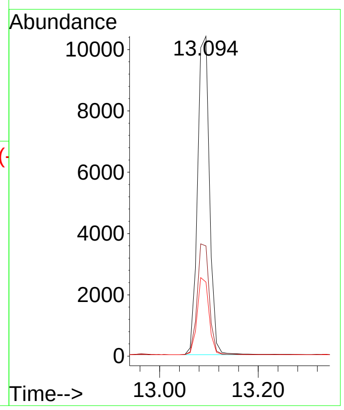
1 2 3 4 5 6 7 8 9 10 **11** 12 13 14 15 16 17

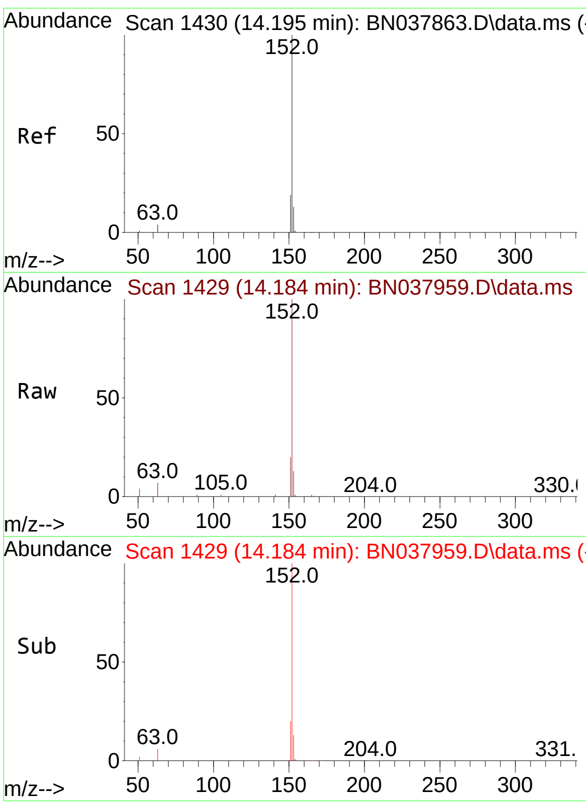


#15
2-Fluorobiphenyl
Concen: 0.379 ng
RT: 13.094 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037959.D
Acq: 30 Sep 2025 23:14

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

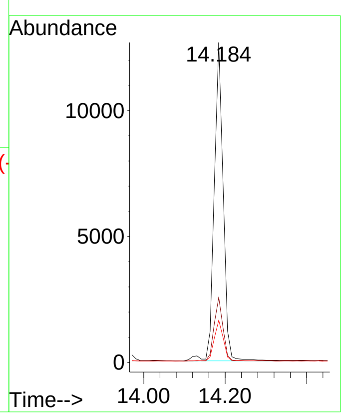




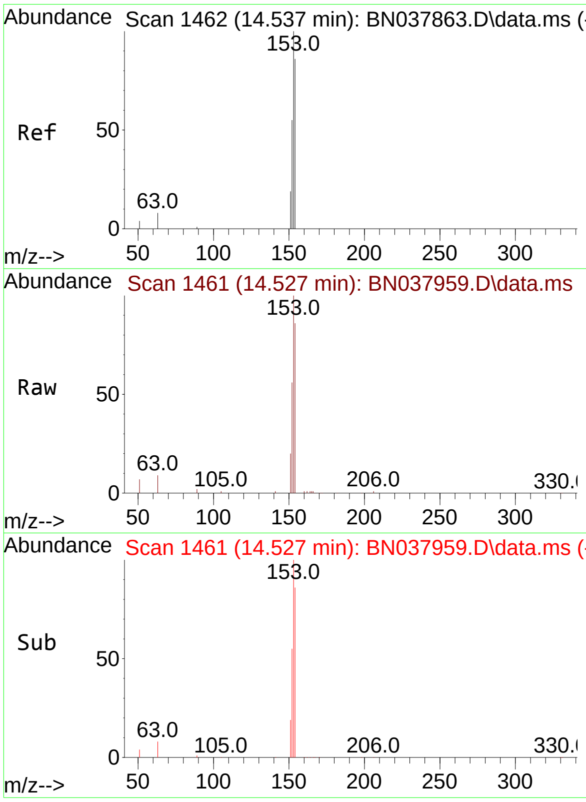
#16
Acenaphthylene
Concen: 0.377 ng
RT: 14.184 min Scan# 1429
Delta R.T. -0.011 min
Lab File: BN037959.D
Acq: 30 Sep 2025 23:14

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



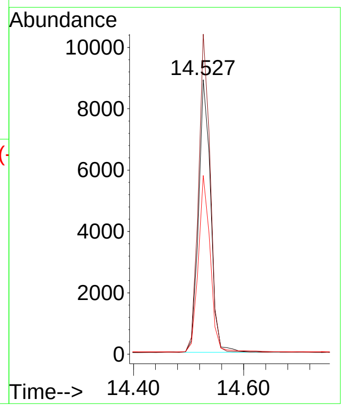
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

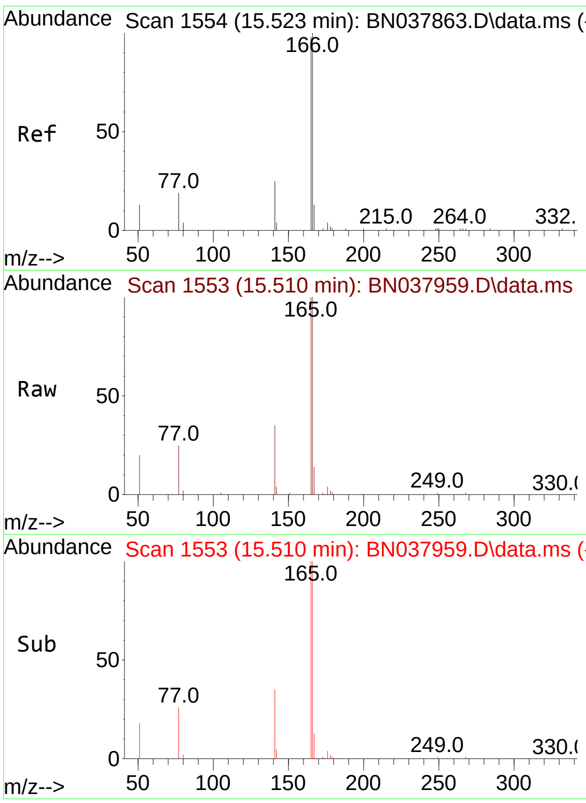


#17
Acenaphthene
Concen: 0.371 ng
RT: 14.527 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN037959.D
Acq: 30 Sep 2025 23:14

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

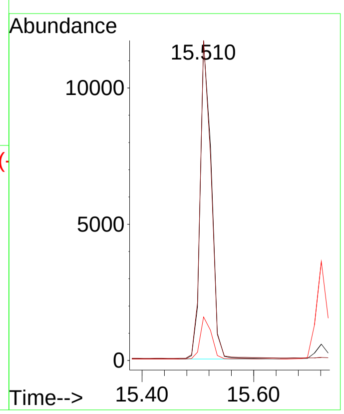




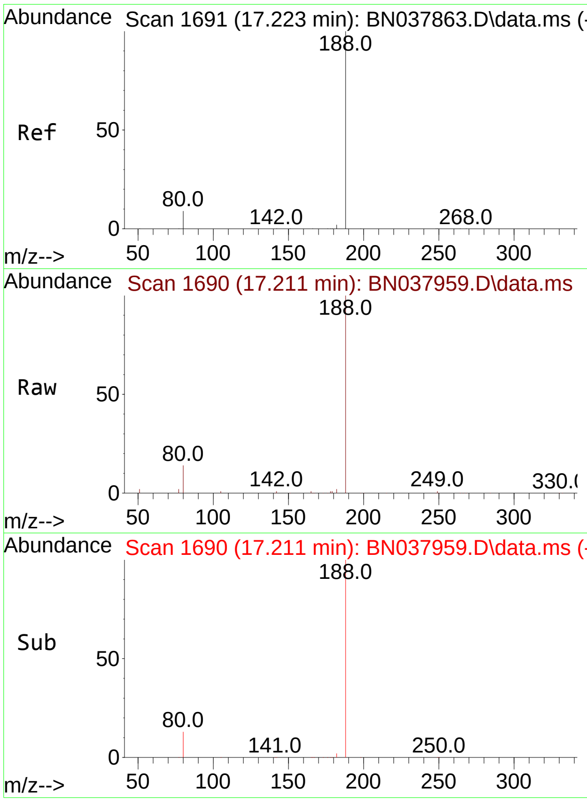
#18
Fluorene
Concen: 0.369 ng
RT: 15.510 min Scan# 1553
Delta R.T. -0.012 min
Lab File: BN037959.D
Acq: 30 Sep 2025 23:14

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



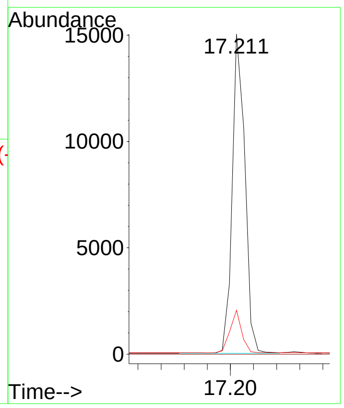
Instrument : BNA_N
ClientSampleId : SSTDCCC0.4EC

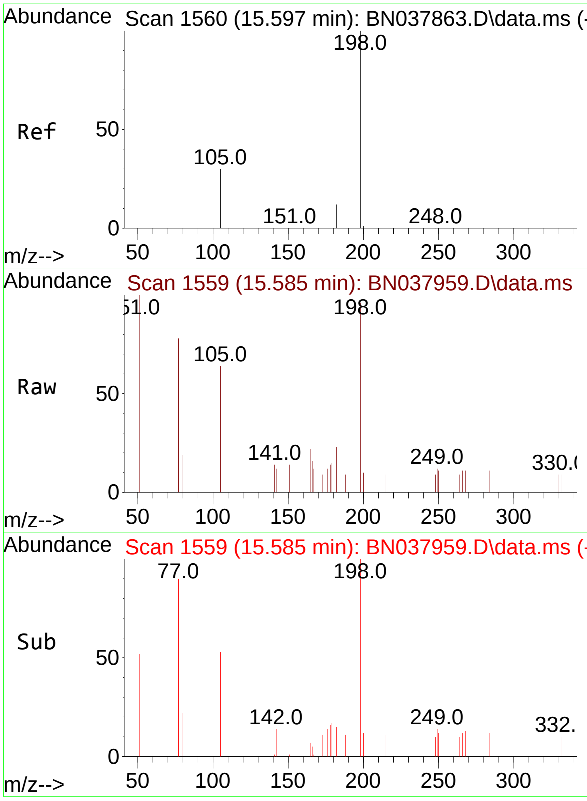


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.211 min Scan# 1690
Delta R.T. -0.012 min
Lab File: BN037959.D
Acq: 30 Sep 2025 23:14

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#

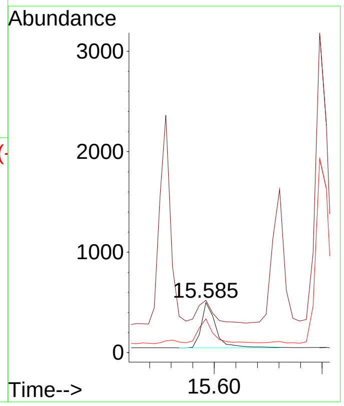




#20
4,6-Dinitro-2-methylphenol
Concen: 0.357 ng
RT: 15.585 min Scan# 1559
Delta R.T. -0.012 min
Lab File: BN037959.D
Acq: 30 Sep 2025 23:14

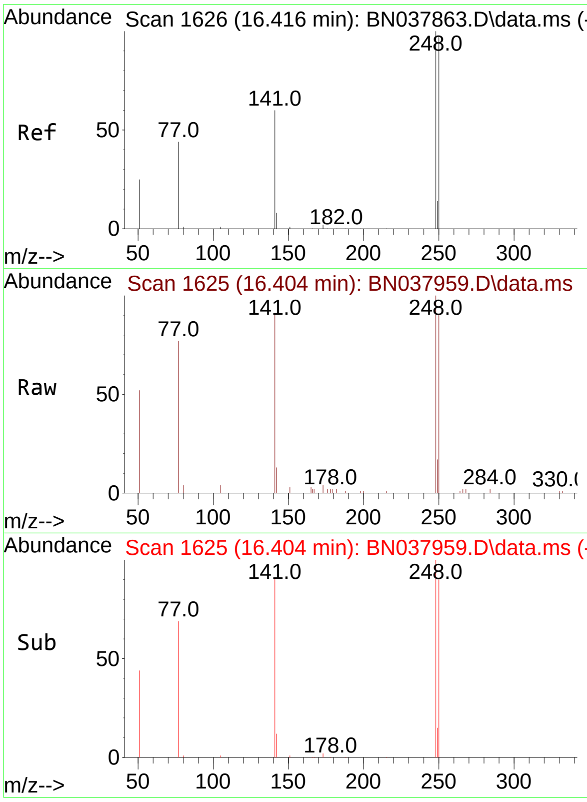
Tgt Ion:198 Resp: 848

Ion	Ratio	Lower	Upper
198	100		
51	104.6	59.1	88.7#
105	67.5	41.3	61.9#



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

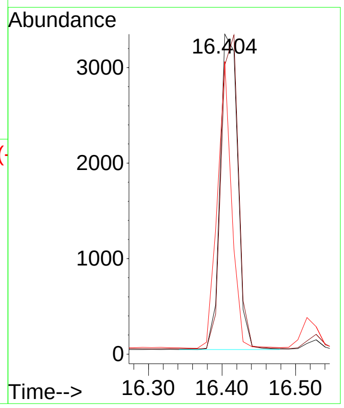
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

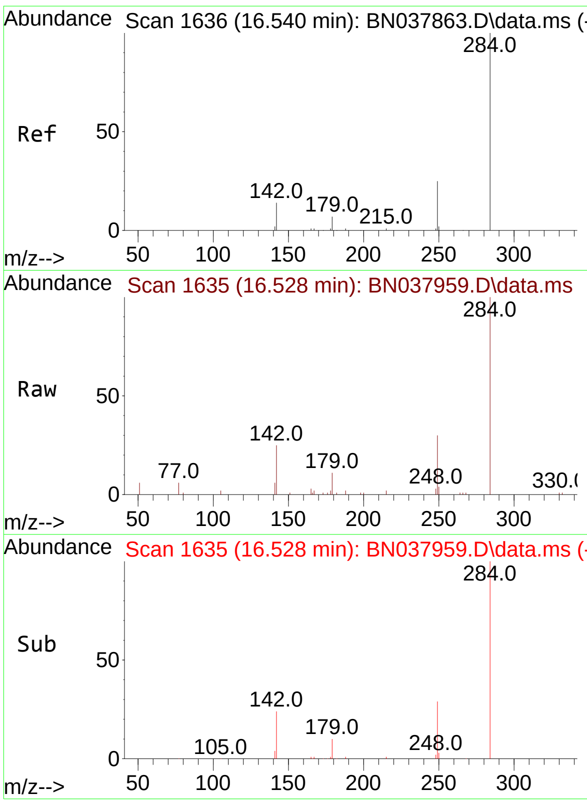


#21
4-Bromophenyl-phenylether
Concen: 0.370 ng
RT: 16.404 min Scan# 1625
Delta R.T. -0.012 min
Lab File: BN037959.D
Acq: 30 Sep 2025 23:14

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#

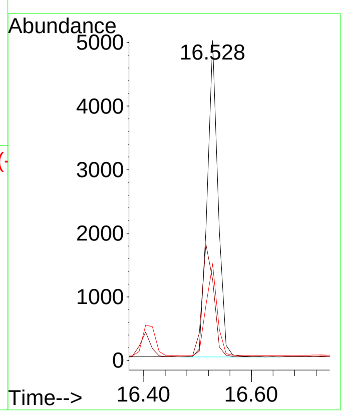




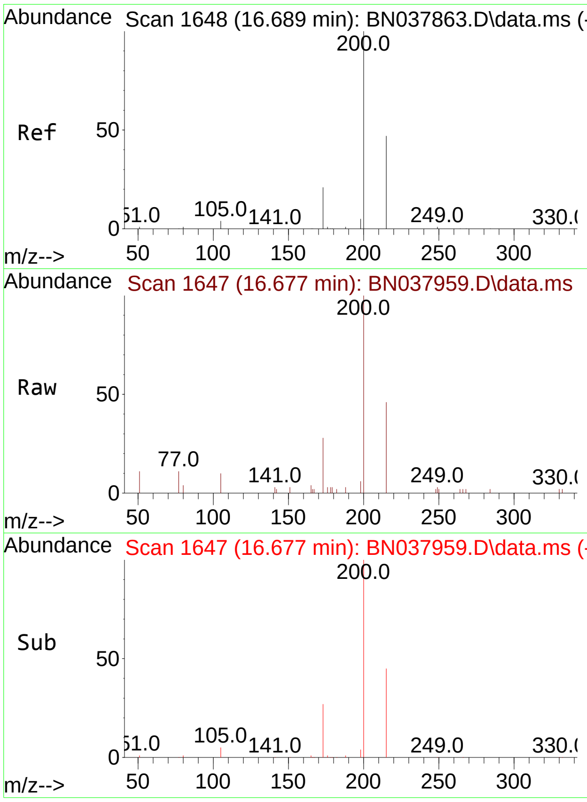
#22
Hexachlorobenzene
Concen: 0.386 ng
RT: 16.528 min Scan# 1635
Delta R.T. -0.012 min
Lab File: BN037959.D
Acq: 30 Sep 2025 23:14

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



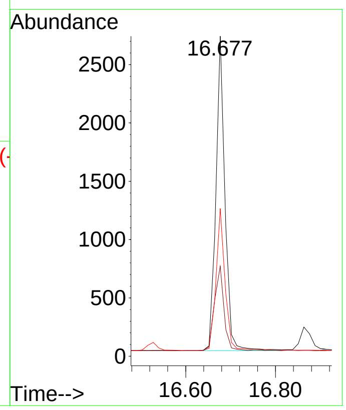
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

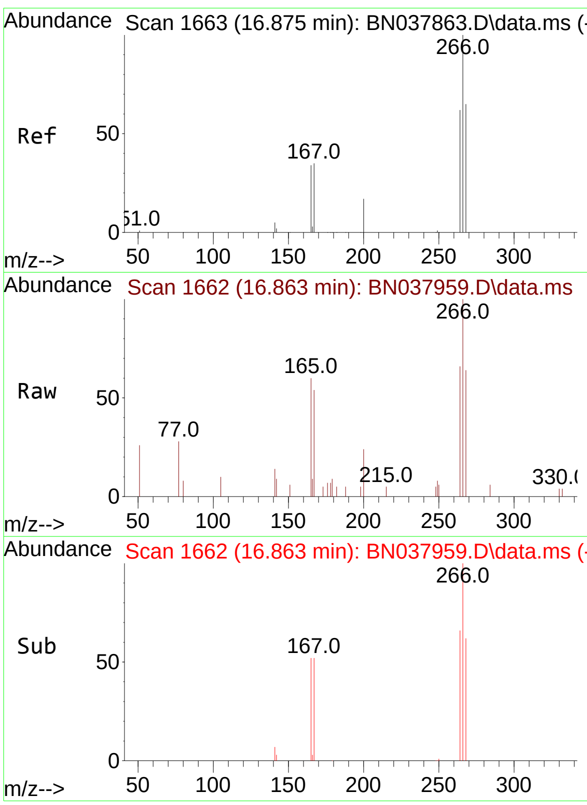


#23
Atrazine
Concen: 0.333 ng
RT: 16.677 min Scan# 1(
Delta R.T. -0.012 min
Lab File: BN037959.D
Acq: 30 Sep 2025 23:14

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

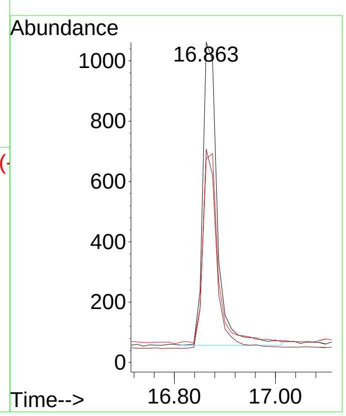




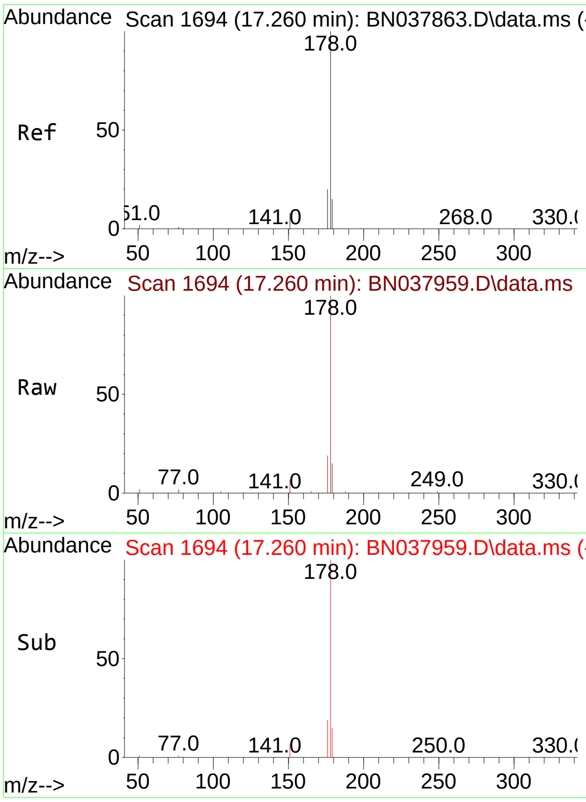
#24
Pentachlorophenol
Concen: 0.328 ng
RT: 16.863 min Scan# 1662
Delta R.T. -0.012 min
Lab File: BN037959.D
Acq: 30 Sep 2025 23:14

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



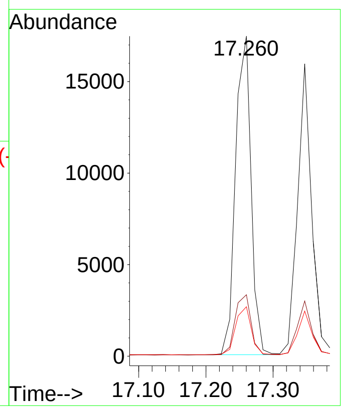
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

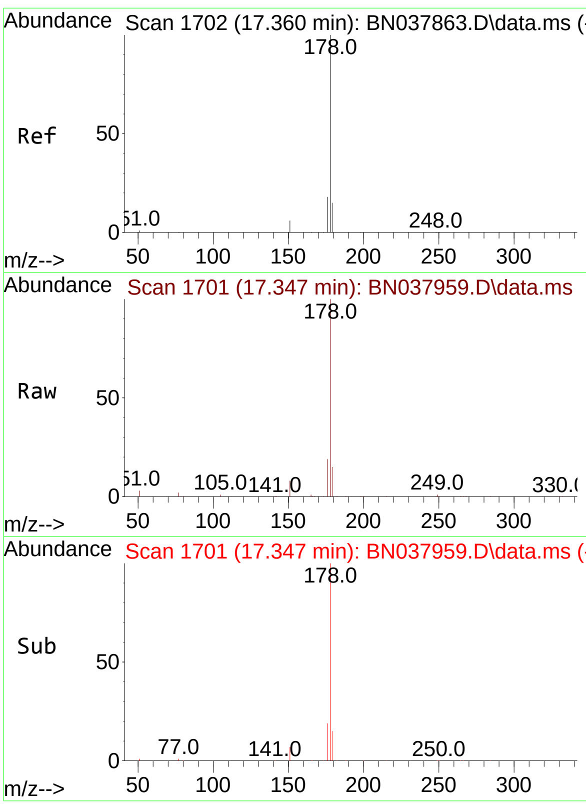


#25
Phenanthrene
Concen: 0.373 ng
RT: 17.260 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037959.D
Acq: 30 Sep 2025 23:14

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

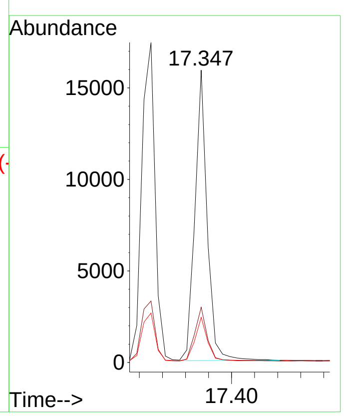




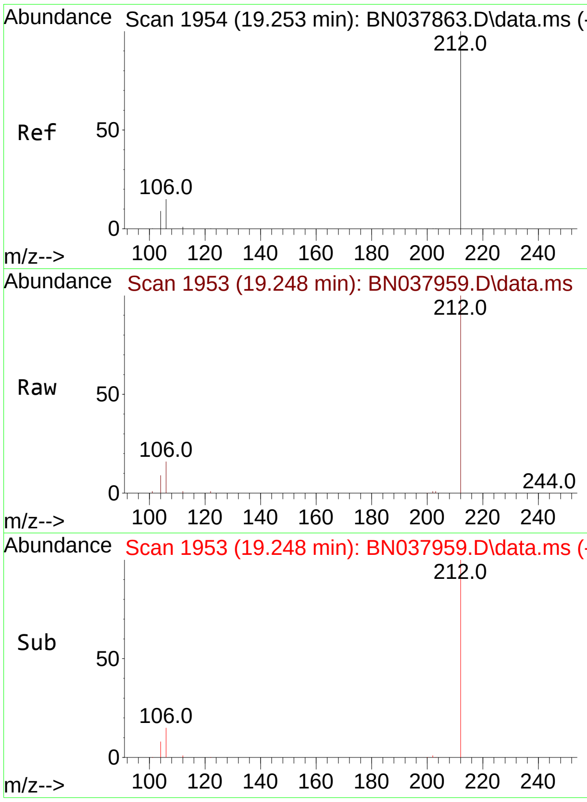
#26
Anthracene
Concen: 0.360 ng
RT: 17.347 min Scan# 1701
Delta R.T. -0.012 min
Lab File: BN037959.D
Acq: 30 Sep 2025 23:14

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



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

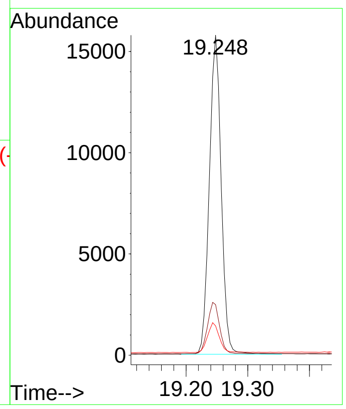


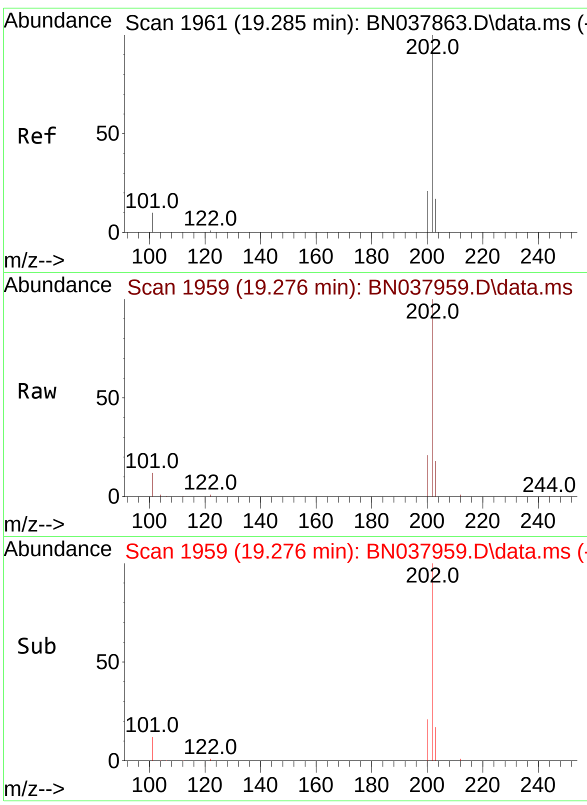
#27
Fluoranthene-d10
Concen: 0.364 ng
RT: 19.248 min Scan# 19
Delta R.T. -0.005 min
Lab File: BN037959.D
Acq: 30 Sep 2025 23:14

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

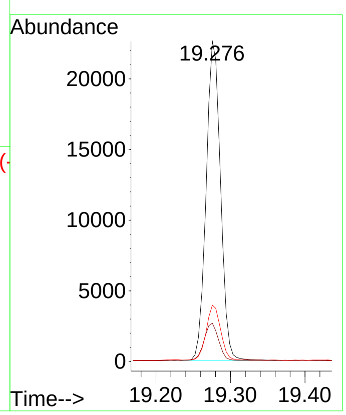




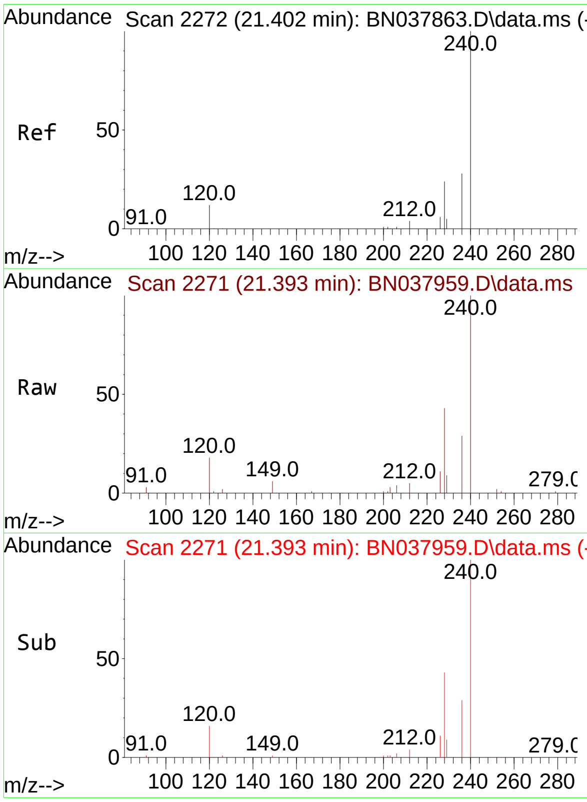
#28
Fluoranthene
Concen: 0.367 ng
RT: 19.276 min Scan# 1959
Delta R.T. -0.009 min
Lab File: BN037959.D
Acq: 30 Sep 2025 23:14

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



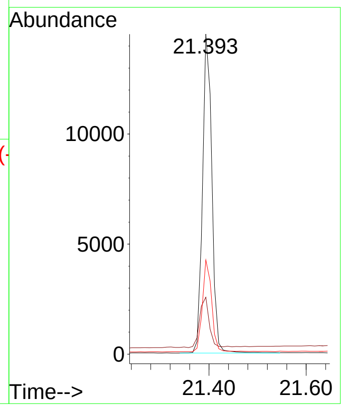
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

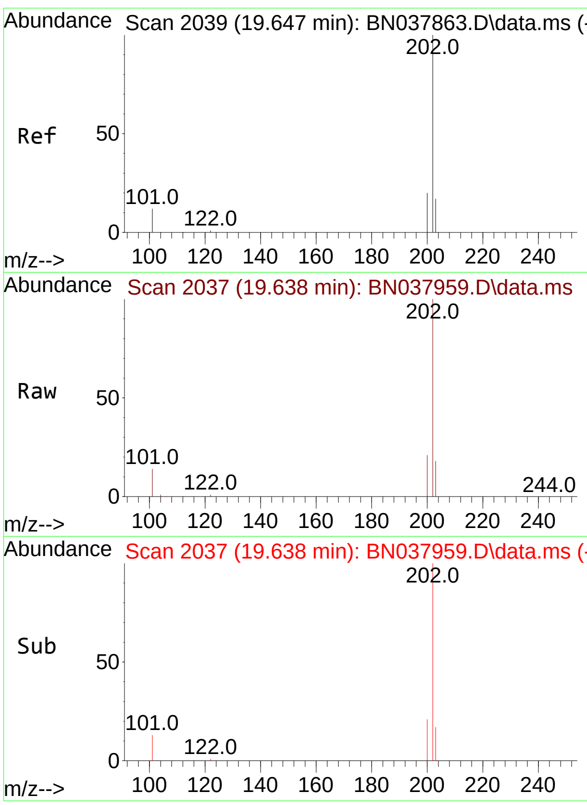


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.393 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037959.D
Acq: 30 Sep 2025 23:14

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

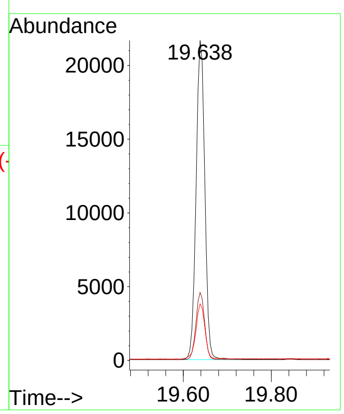




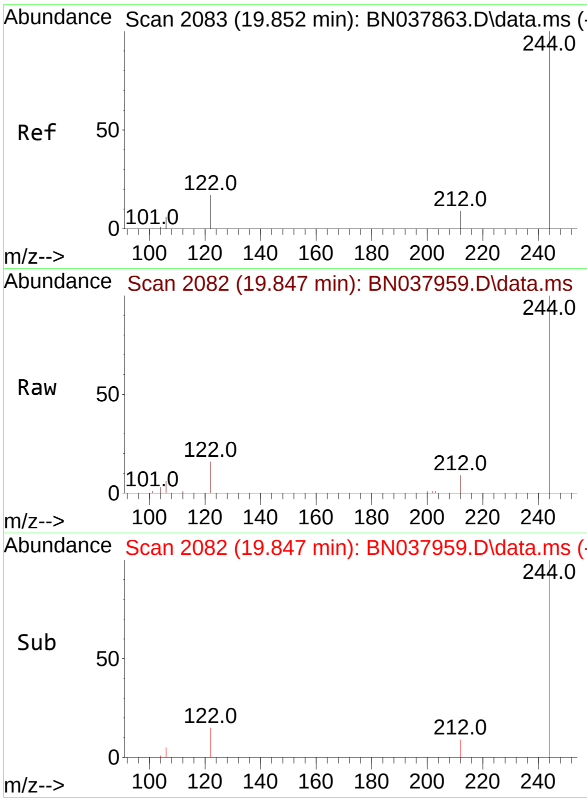
#30
Pyrene
Concen: 0.391 ng
RT: 19.638 min Scan# 2037
Delta R.T. -0.009 min
Lab File: BN037959.D
Acq: 30 Sep 2025 23:14

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



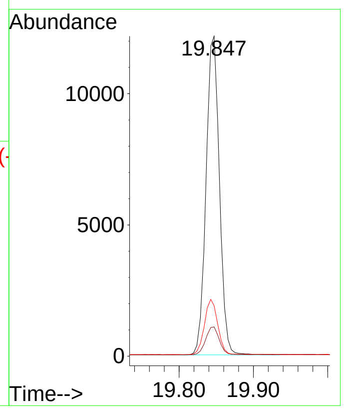
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

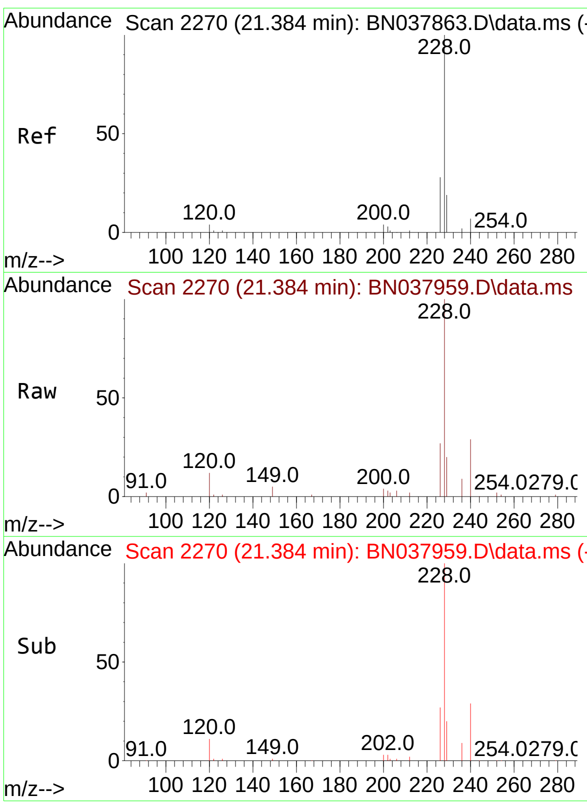


#31
Terphenyl-d14
Concen: 0.394 ng
RT: 19.847 min Scan# 2(
Delta R.T. -0.005 min
Lab File: BN037959.D
Acq: 30 Sep 2025 23:14

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

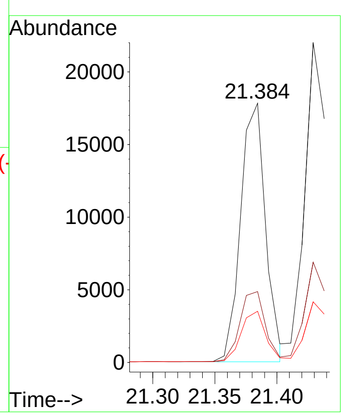




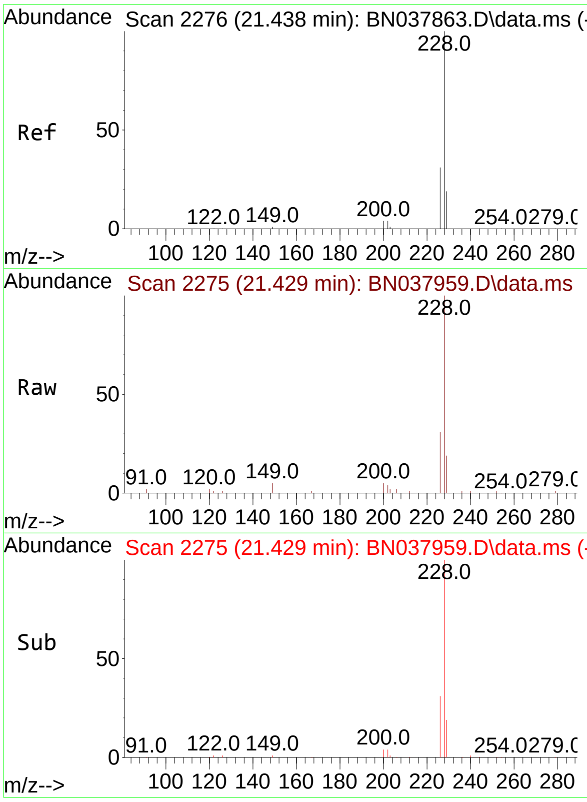
#32
Benzo(a)anthracene
Concen: 0.367 ng
RT: 21.384 min Scan# 2270
Delta R.T. -0.000 min
Lab File: BN037959.D
Acq: 30 Sep 2025 23:14

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



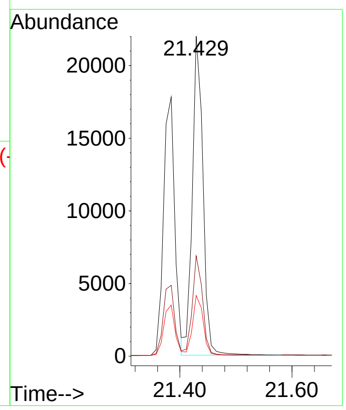
Instrument : BNA_N
ClientSampleId : SSTDCCC0.4EC

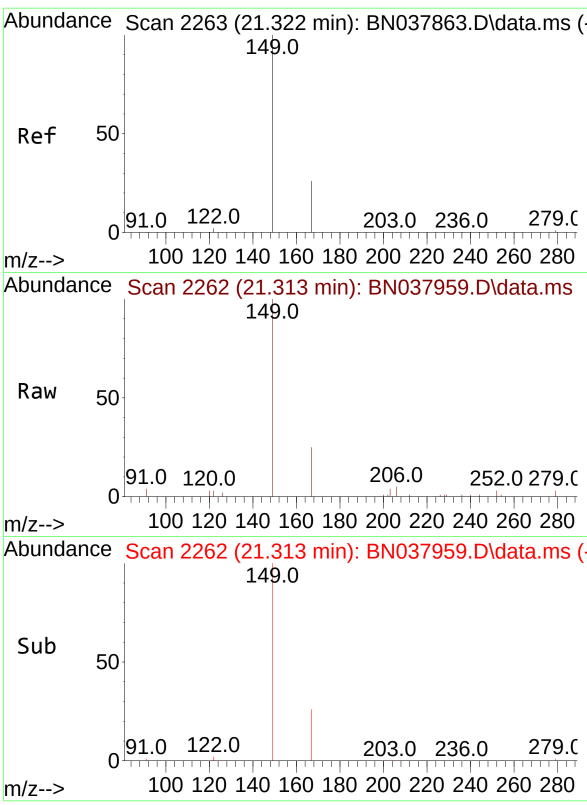


#33
Chrysene
Concen: 0.394 ng
RT: 21.429 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037959.D
Acq: 30 Sep 2025 23:14

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

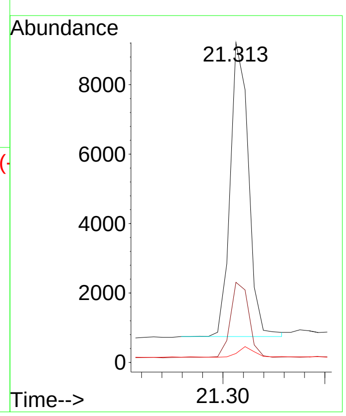




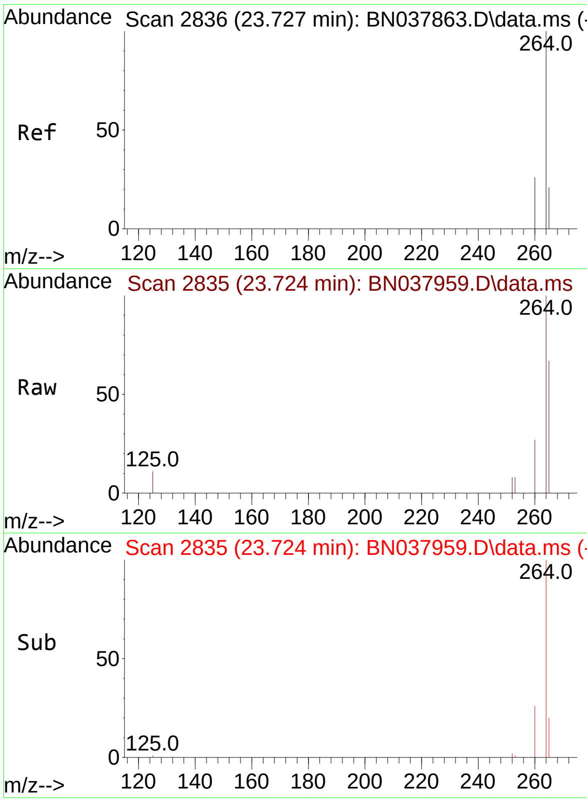
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.395 ng
RT: 21.313 min Scan# 2262
Delta R.T. -0.009 min
Lab File: BN037959.D
Acq: 30 Sep 2025 23:14

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



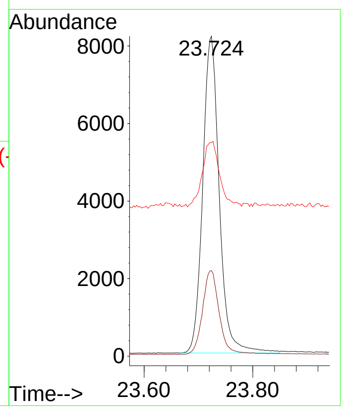
Instrument : BNA_N
ClientSampleId : SSTDCCC0.4EC

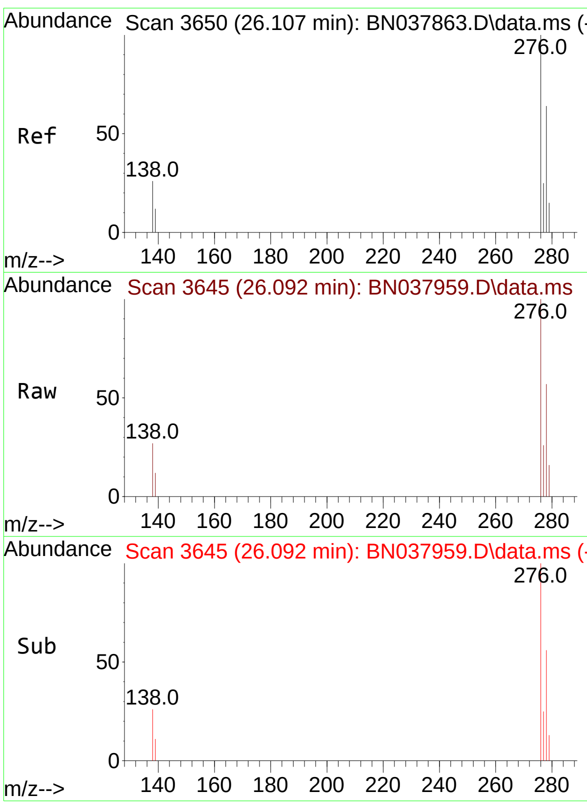


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.724 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN037959.D
Acq: 30 Sep 2025 23:14

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

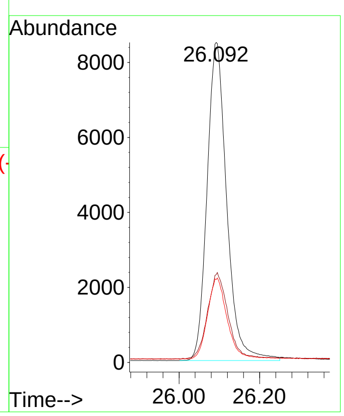




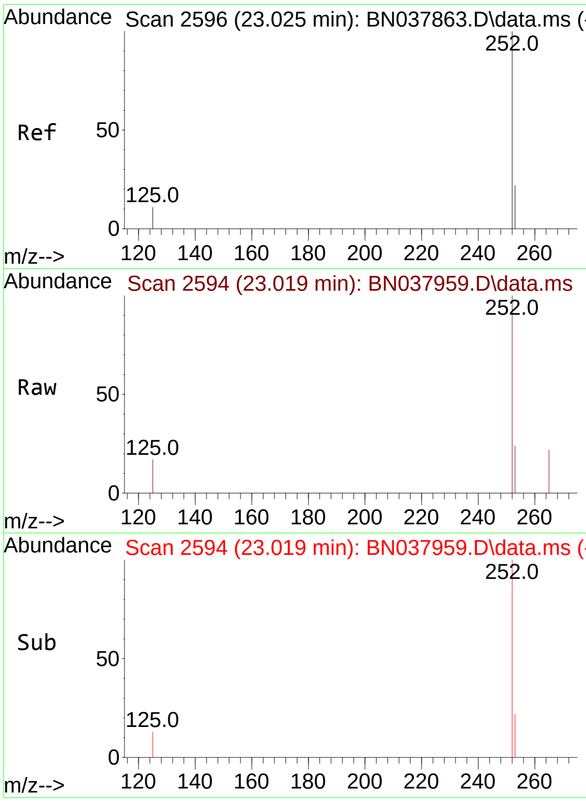
#36
Indeno(1,2,3-cd)pyrene
Concen: 0.365 ng
RT: 26.092 min Scan# 3645
Delta R.T. -0.015 min
Lab File: BN037959.D
Acq: 30 Sep 2025 23:14

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



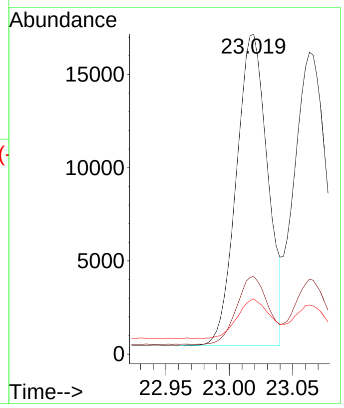
Instrument : BNA_N
ClientSampleId : SSTDCCC0.4EC

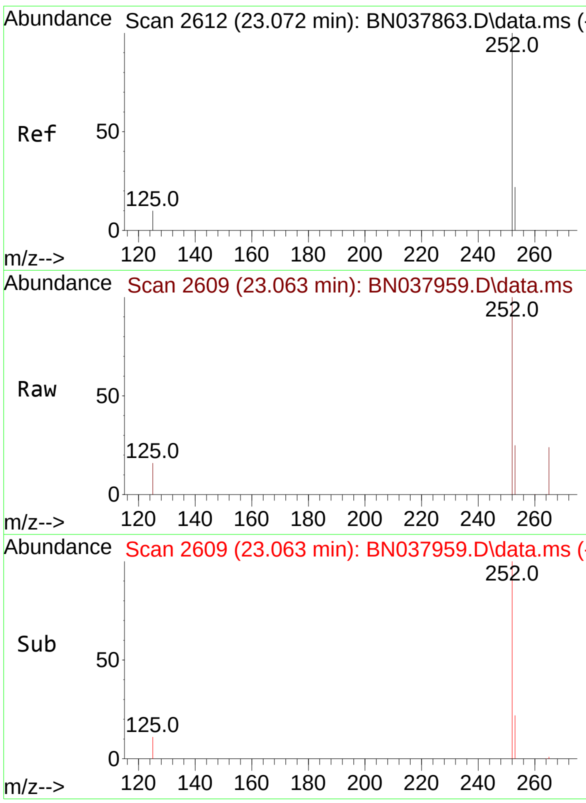


#37
Benzo(b)fluoranthene
Concen: 0.385 ng
RT: 23.019 min Scan# 2
Delta R.T. -0.006 min
Lab File: BN037959.D
Acq: 30 Sep 2025 23:14

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

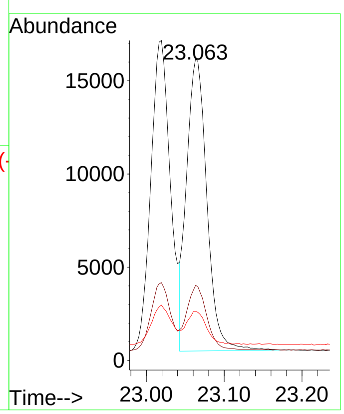




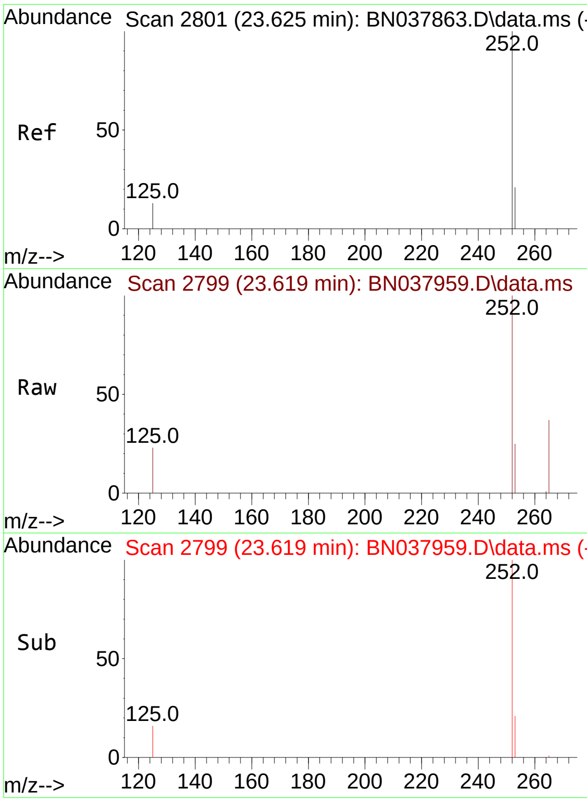
#38
Benzo(k)fluoranthene
Concen: 0.379 ng
RT: 23.063 min Scan# 2609
Delta R.T. -0.009 min
Lab File: BN037959.D
Acq: 30 Sep 2025 23:14

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

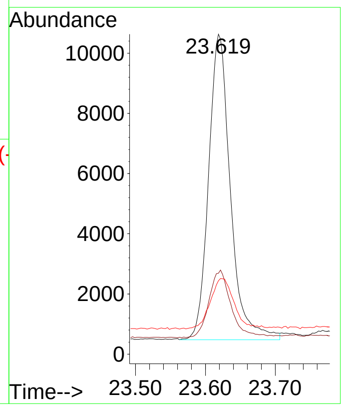


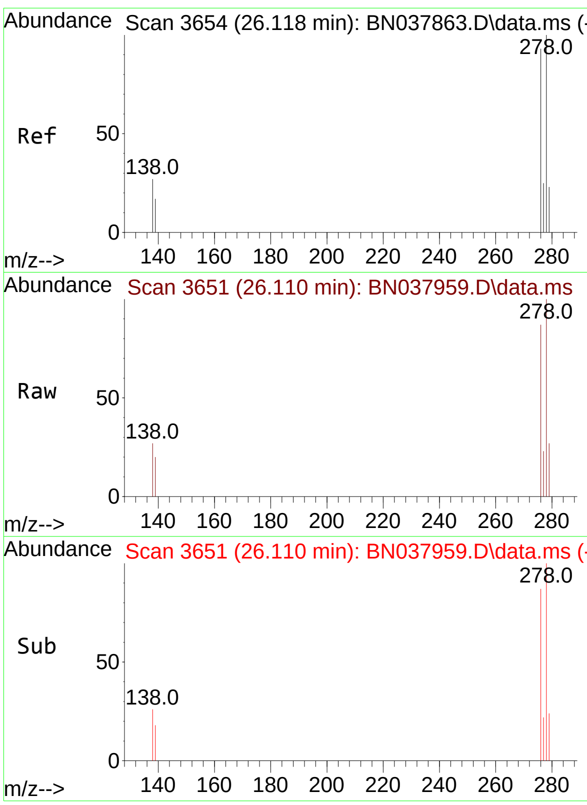
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC




```
#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

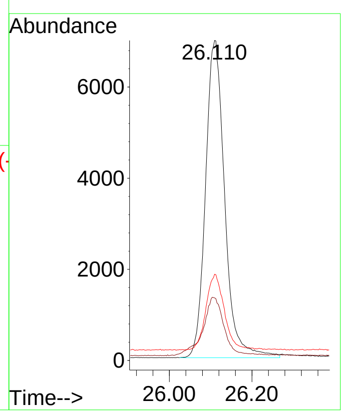
Tgt Ion:252 Resp:   22053
Ion  Ratio  Lower  Upper
252  100
253   25.3   20.6   30.8
125   23.0   16.7   25.1
```

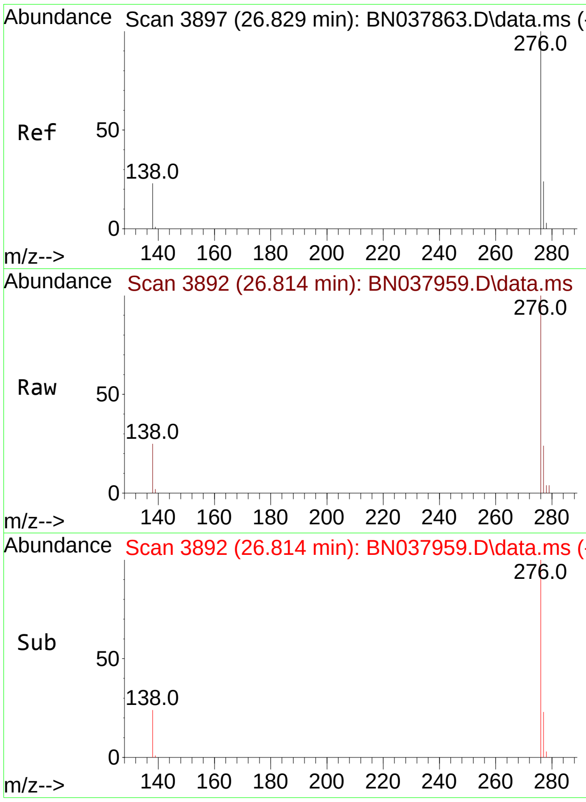





```
#40
Dibenzo(a,h)anthracene
Concen:    0.365 ng
RT:  26.110 min  Scan# 3651
Delta R.T.  -0.009 min
Lab File:   BN037959.D
Acq: 30 Sep 2025  23:14

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
```



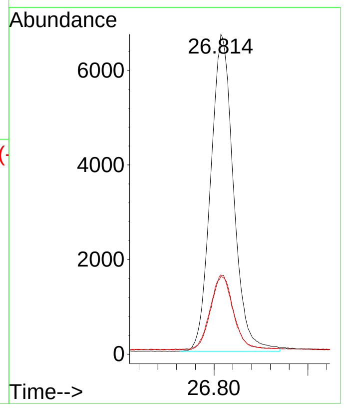


#41
Benzo(g,h,i)perylene
Concen: 0.350 ng
RT: 26.814 min Scan# 3
Delta R.T. -0.015 min
Lab File: BN037959.D
Acq: 30 Sep 2025 23:14

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



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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

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
```

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

```
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

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.: Q3193

Instrument ID: BNA_N Calibration Date/Time: 10/01/2025 01:10

Lab File ID: BN037961.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	$\overline{RRF}$	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.556	0.509		-8.5	20.0
Fluoranthene-d10	1.006	0.910		-9.5	20.0
2-Fluorophenol	0.913	0.904		-1.0	20.0
Phenol-d6	1.199	1.127		-6.0	20.0
Nitrobenzene-d5	0.305	0.255		-16.4	20.0
2-Fluorobiphenyl	1.638	1.581		-3.5	20.0
2,4,6-Tribromophenol	0.152	0.143		-5.9	20.0
Terphenyl-d14	0.797	0.746		-6.4	20.0
1,4-Dioxane	0.406	0.404		-0.5	20.0

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN093025\
Data File : BN037961.D
Acq On : 01 Oct 2025 01:10
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Oct 01 01:46:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : 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	7067	0.400	ng	-0.01
7) Naphthalene-d8	10.616	136	22573	0.400	ng	-0.01
13) Acenaphthene-d10	14.462	164	11380	0.400	ng	-0.01
19) Phenanthrene-d10	17.211	188	22791	0.400	ng	#-0.01
29) Chrysene-d12	21.393	240	20365	0.400	ng	0.00
35) Perylene-d12	23.718	264	18357	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.377	112	6387	0.396	ng	0.00
5) Phenol-d6	6.966	99	7961	0.376	ng	0.00
8) Nitrobenzene-d5	8.961	82	5759	0.334	ng	-0.01
11) 2-Methylnaphthalene-d10	12.212	152	11481	0.366	ng	0.00
14) 2,4,6-Tribromophenol	15.957	330	1633	0.378	ng	-0.01
15) 2-Fluorobiphenyl	13.083	172	17995	0.386	ng	-0.01
27) Fluoranthene-d10	19.248	212	20732	0.362	ng	0.00
31) Terphenyl-d14	19.842	244	15202	0.375	ng	0.00

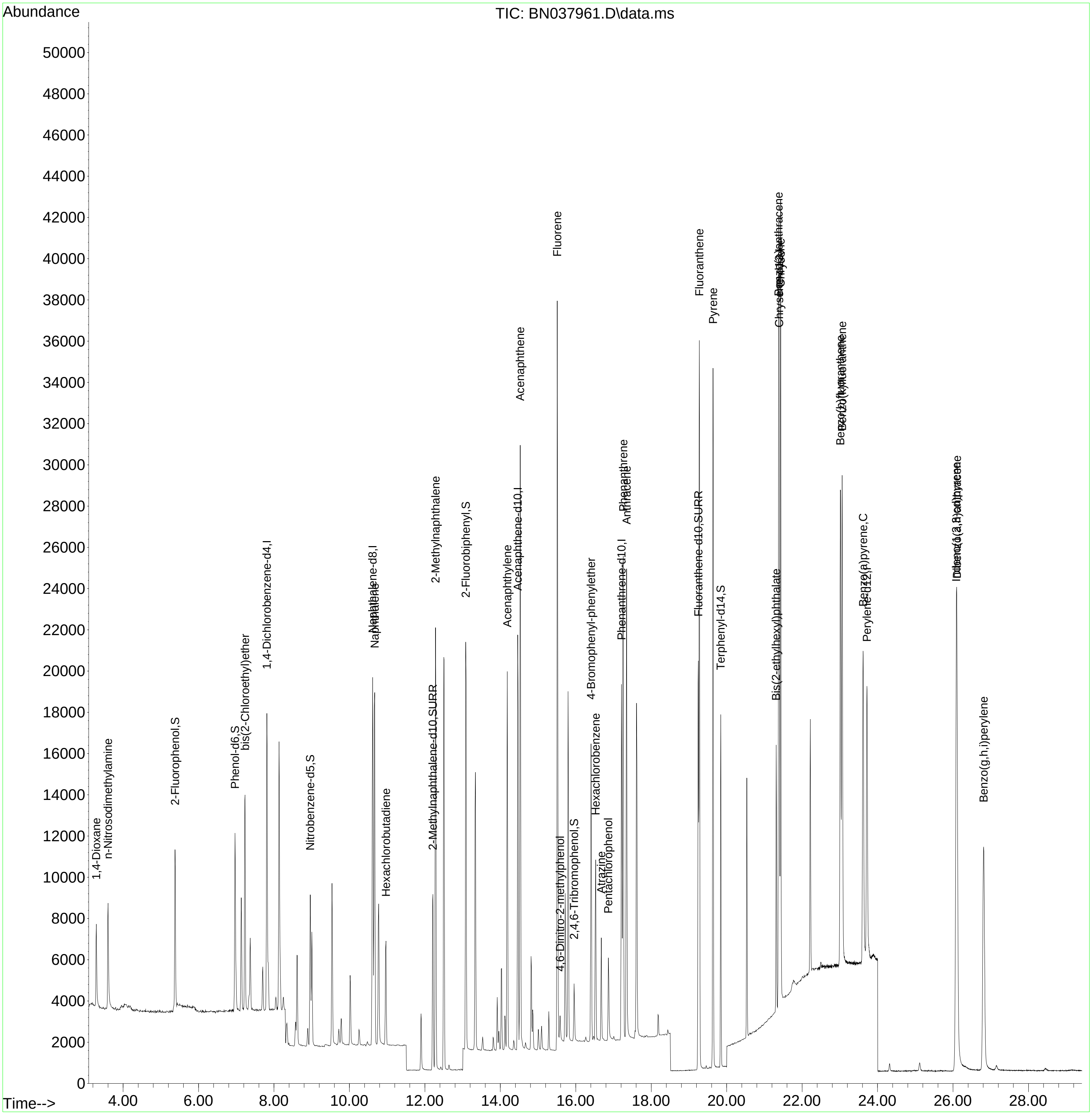
Target Compounds	R.T.	QIon	Response	Conc	Units		Qvalue
2) 1,4-Dioxane	3.290	88	2852	0.398	ng		98
3) n-Nitrosodimethylamine	3.600	42	3493	0.366	ng	#	92
6) bis(2-Chloroethyl)ether	7.233	93	7796	0.396	ng		99
9) Naphthalene	10.669	128	23957	0.385	ng		98
10) Hexachlorobutadiene	10.968	225	4180	0.394	ng	#	100
12) 2-Methylnaphthalene	12.283	142	15280	0.376	ng		99
16) Acenaphthylene	14.184	152	19157	0.371	ng		99
17) Acenaphthene	14.527	154	13706	0.372	ng		99
18) Fluorene	15.510	166	16311	0.366	ng		99
20) 4,6-Dinitro-2-methylph...	15.585	198	807	0.344	ng	#	72
21) 4-Bromophenyl-phenylether	16.404	248	5602	0.377	ng	#	83
22) Hexachlorobenzene	16.528	284	7183	0.399	ng		99
23) Atrazine	16.677	200	3749	0.331	ng		95
24) Pentachlorophenol	16.863	266	2266	0.367	ng		95
25) Phenanthrene	17.260	178	28035	0.374	ng		99
26) Anthracene	17.347	178	23461	0.361	ng		100
28) Fluoranthene	19.276	202	30576	0.370	ng		99
30) Pyrene	19.638	202	30058	0.374	ng		100
32) Benzo(a)anthracene	21.375	228	26565	0.373	ng		100
33) Chrysene	21.429	228	30061	0.391	ng		100
34) Bis(2-ethylhexyl)phtha...	21.313	149	11256	0.400	ng		98
36) Indeno(1,2,3-cd)pyrene	26.086	276	31200	0.372	ng		98
37) Benzo(b)fluoranthene	23.013	252	31172	0.394	ng		99
38) Benzo(k)fluoranthene	23.060	252	30119	0.378	ng		99
39) Benzo(a)pyrene	23.616	252	23701	0.379	ng		99
40) Dibenzo(a,h)anthracene	26.104	278	24289	0.371	ng		99
41) Benzo(g,h,i)perylene	26.811	276	24936	0.362	ng		99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN093025\
Data File : BN037961.D
Acq On : 01 Oct 2025 01:10
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Oct 01 01:46:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

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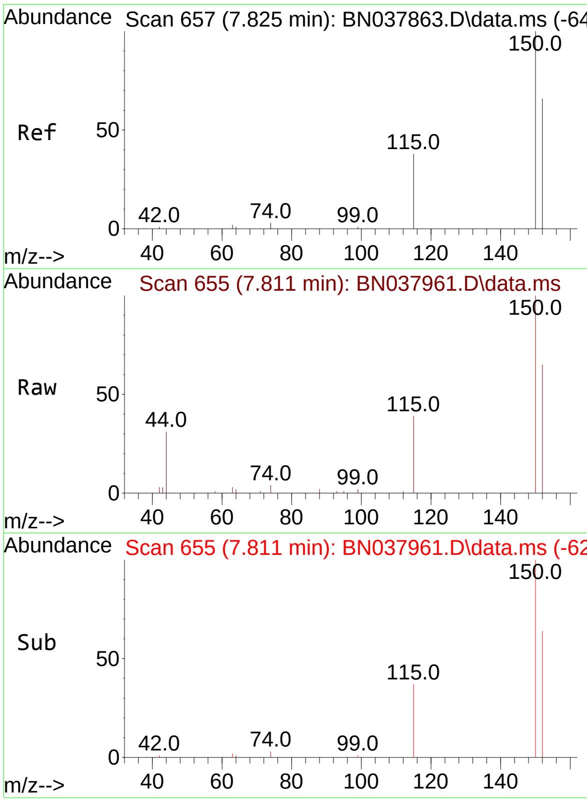
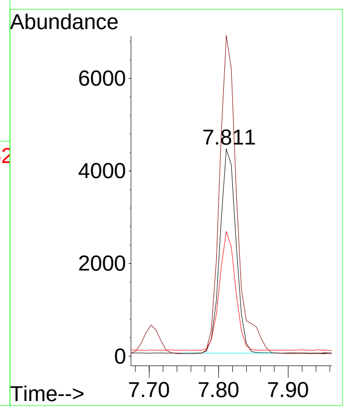
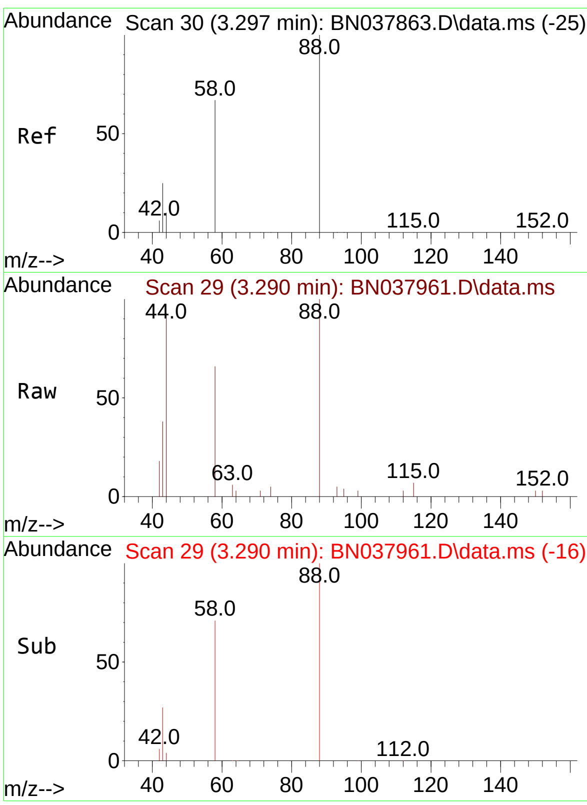


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.811 min Scan# 6
Delta R.T. -0.014 min
Lab File: BN037961.D
Acq: 01 Oct 2025 01:10

Tgt Ion:152 Resp: 7067

Ion	Ratio	Lower	Upper
152	100		
150	154.6	121.0	181.4
115	60.2	47.4	71.0

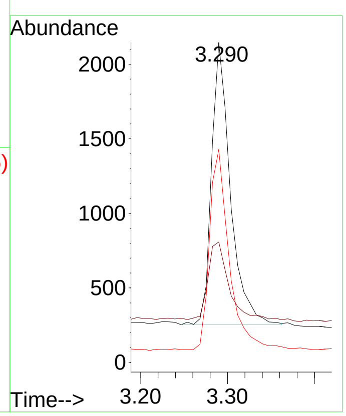




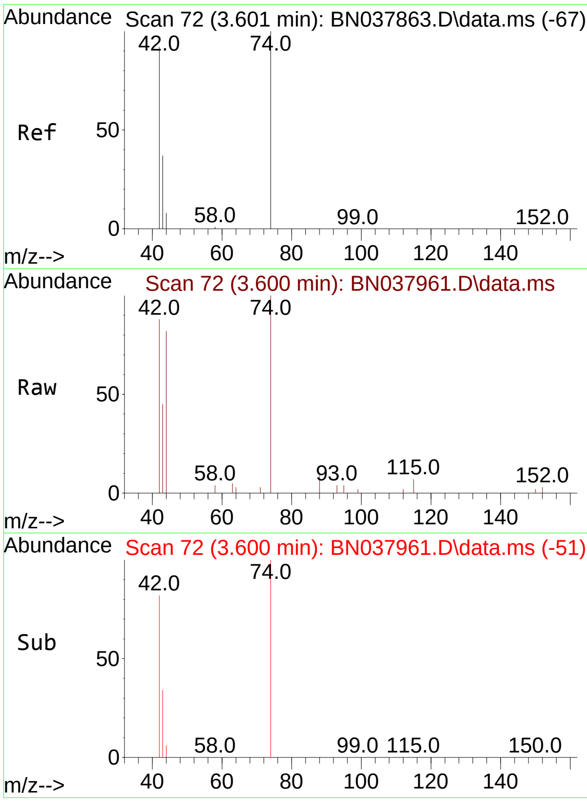
#2
1,4-Dioxane
Concen: 0.398 ng
RT: 3.290 min Scan# 29
Delta R.T. -0.007 min
Lab File: BN037961.D
Acq: 01 Oct 2025 01:10

Tgt Ion: 88 Resp: 2852

Ion	Ratio	Lower	Upper
88	100		
43	30.0	26.6	39.8
58	73.7	58.9	88.3

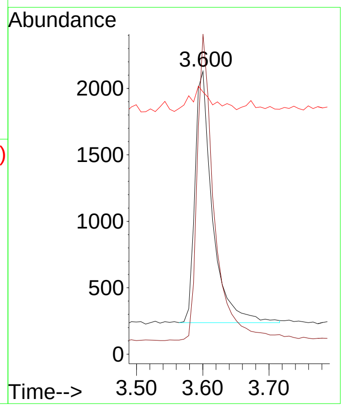


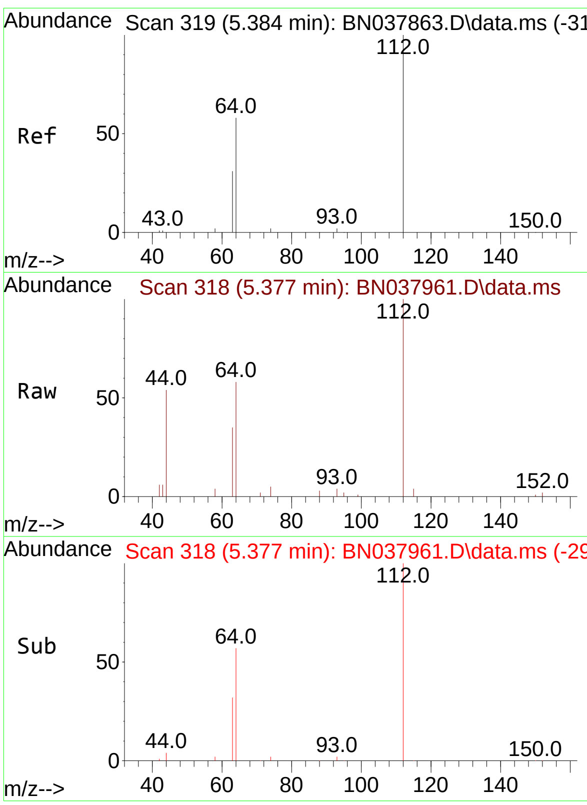
Instrument : BNA_N
ClientSampleId : SSTDCCC0.4




```
#3
n-Nitrosodimethylamine
Concen:    0.366 ng
RT:   3.600 min  Scan# 72
Delta R.T.  -0.000 min
Lab File:   BN037961.D
Acq: 01 Oct 2025  01:10

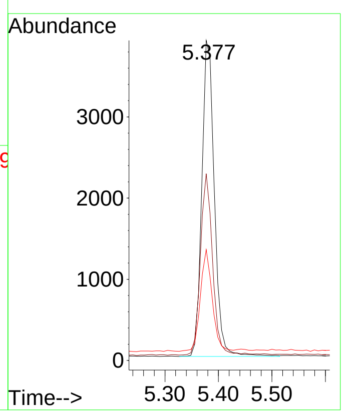
Tgt Ion: 42 Resp:    3493
Ion  Ratio  Lower  Upper
 42  100
 74  119.2   93.4  140.0
 44   12.2   22.2   33.4#
```





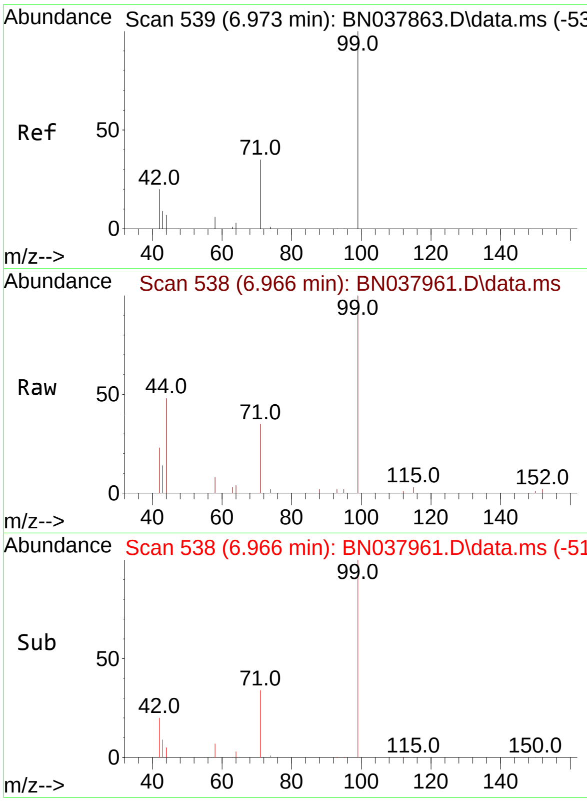

```
#4
2-Fluorophenol
Concen:    0.396 ng
RT:   5.377 min  Scan# 318
Delta R.T.  -0.007 min
Lab File:   BN037961.D
Acq: 01 Oct 2025  01:10

Tgt Ion:112 Resp:    6387
Ion  Ratio  Lower  Upper
112  100
 64   55.5   44.6   66.8
 63   30.2   24.9   37.3
```



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

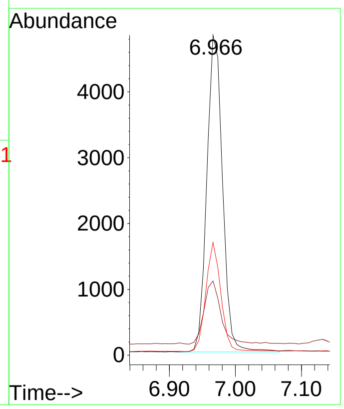
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

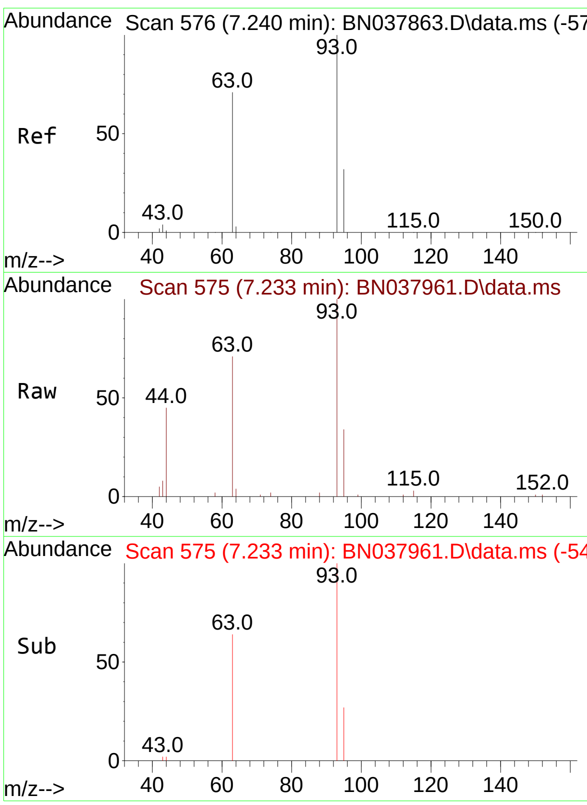


#5
Phenol-d6
Concen: 0.376 ng
RT: 6.966 min Scan# 5
Delta R.T. -0.007 min
Lab File: BN037961.D
Acq: 01 Oct 2025 01:10

Tgt Ion: 99 Resp: 7961

Ion	Ratio	Lower	Upper
99	100		
42	21.7	17.2	25.8
71	33.0	27.3	40.9

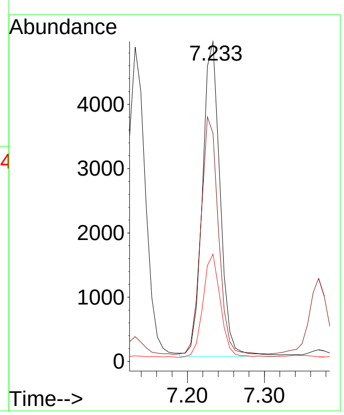




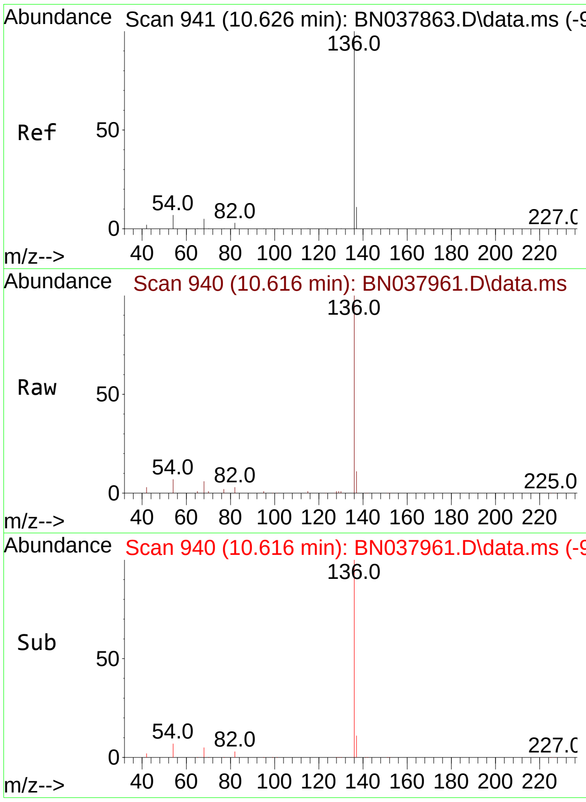
#6
bis(2-Chloroethyl)ether
Concen: 0.396 ng
RT: 7.233 min Scan# 575
Delta R.T. -0.007 min
Lab File: BN037961.D
Acq: 01 Oct 2025 01:10

Tgt Ion: 93 Resp: 7796

Ion	Ratio	Lower	Upper
93	100		
63	75.2	60.1	90.1
95	32.8	25.4	38.2



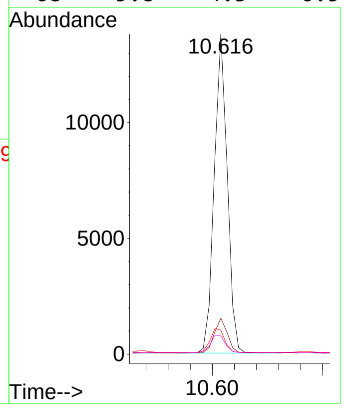
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

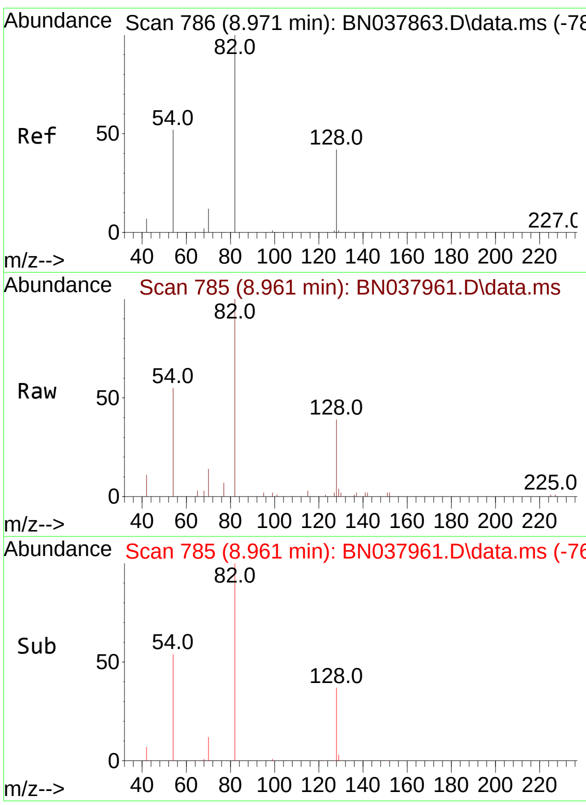


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.616 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037961.D
Acq: 01 Oct 2025 01:10

Tgt Ion:136 Resp: 22573

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.4
54	7.5	5.8	8.8
68	5.8	4.3	6.5

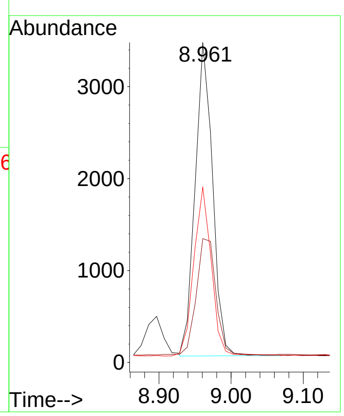




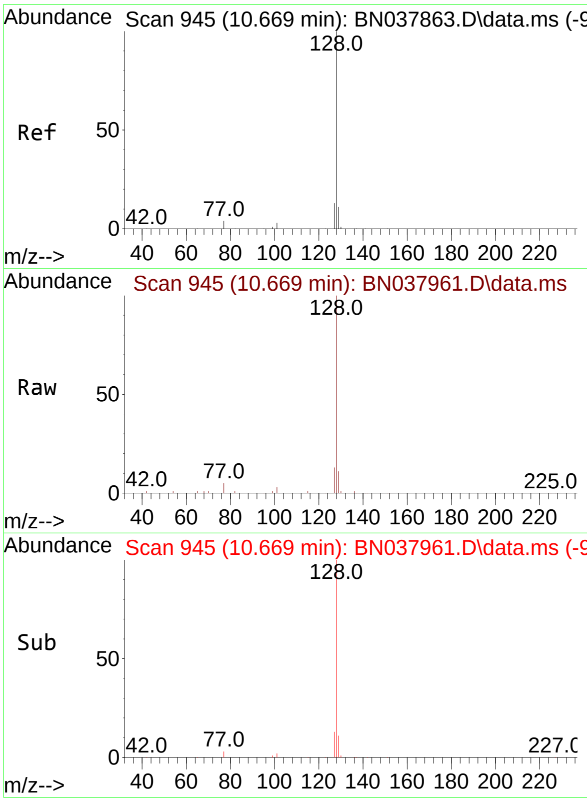
#8
Nitrobenzene-d5
Concen: 0.334 ng
RT: 8.961 min Scan# 785
Delta R.T. -0.011 min
Lab File: BN037961.D
Acq: 01 Oct 2025 01:10

Tgt Ion: 82 Resp: 5759

Ion	Ratio	Lower	Upper
82	100		
128	38.7	34.8	52.2
54	54.7	42.2	63.2



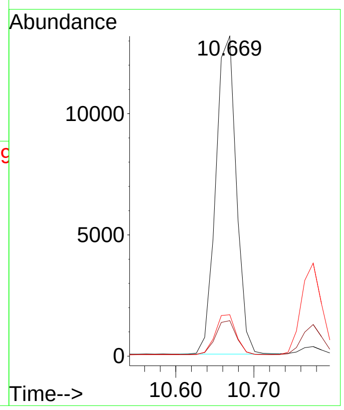
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

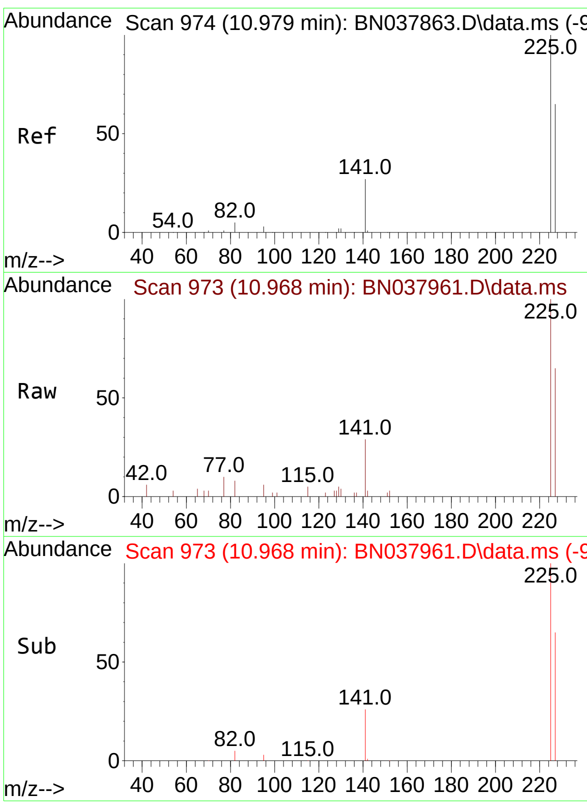


#9
Naphthalene
Concen: 0.385 ng
RT: 10.669 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN037961.D
Acq: 01 Oct 2025 01:10

Tgt Ion:128 Resp: 23957

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.2	13.8
127	13.0	11.0	16.6

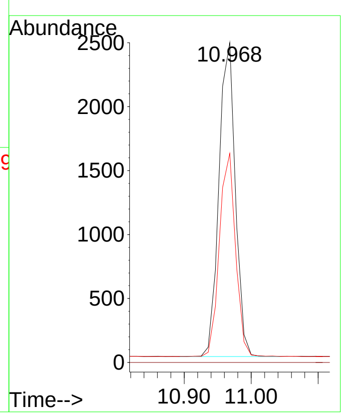




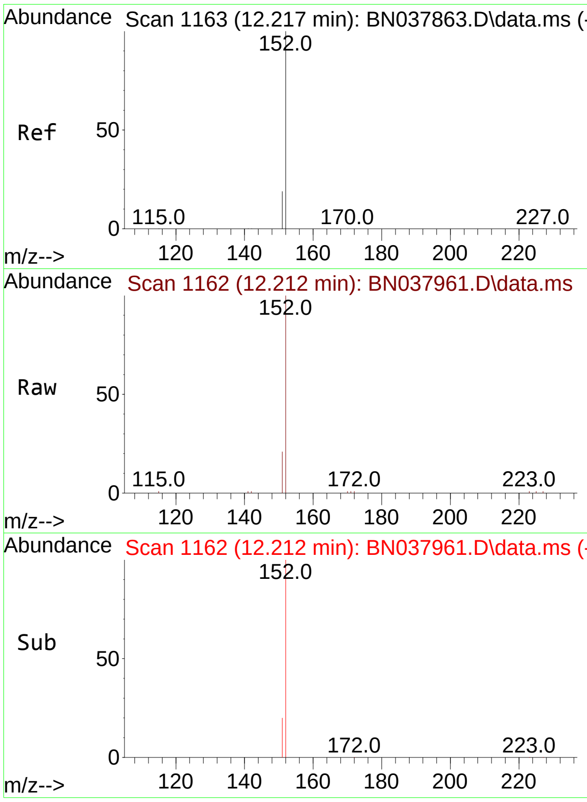
#10
Hexachlorobutadiene
Concen: 0.394 ng
RT: 10.968 min Scan# 973
Delta R.T. -0.011 min
Lab File: BN037961.D
Acq: 01 Oct 2025 01:10

Tgt Ion:225 Resp: 4180

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.0	51.4	77.2



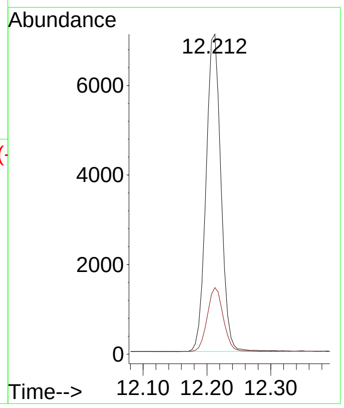
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

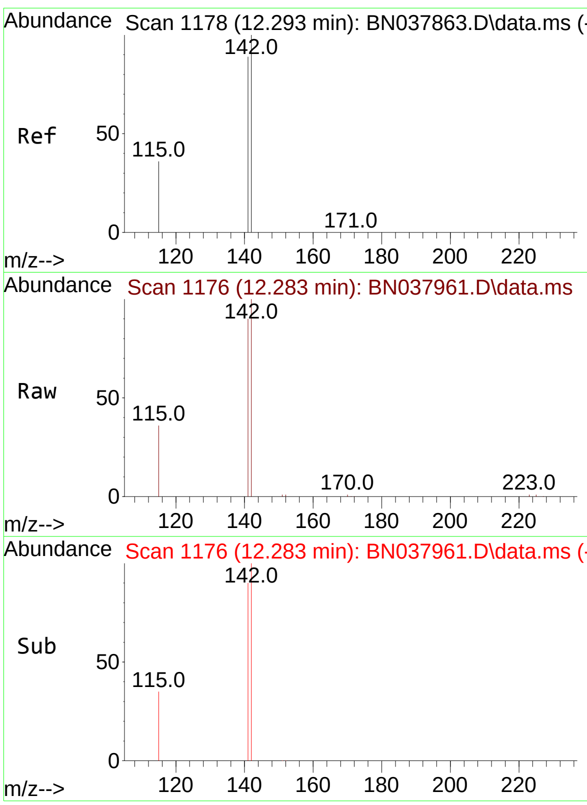


#11
2-Methylnaphthalene-d10
Concen: 0.366 ng
RT: 12.212 min Scan# 1:
Delta R.T. -0.005 min
Lab File: BN037961.D
Acq: 01 Oct 2025 01:10

Tgt Ion:152 Resp: 11481

Ion	Ratio	Lower	Upper
152	100		
151	21.7	17.4	26.2

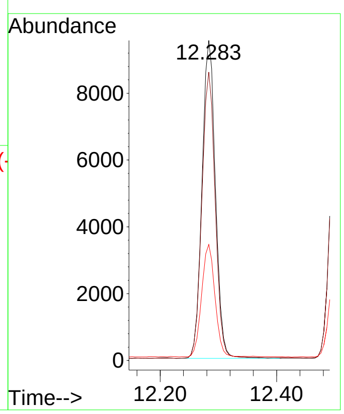




#12
2-Methylnaphthalene
Concen: 0.376 ng
RT: 12.283 min Scan# 1176
Delta R.T. -0.010 min
Lab File: BN037961.D
Acq: 01 Oct 2025 01:10

Tgt Ion:142 Resp: 15280

Ion	Ratio	Lower	Upper
142	100		
141	90.1	71.2	106.8
115	36.2	29.7	44.5



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

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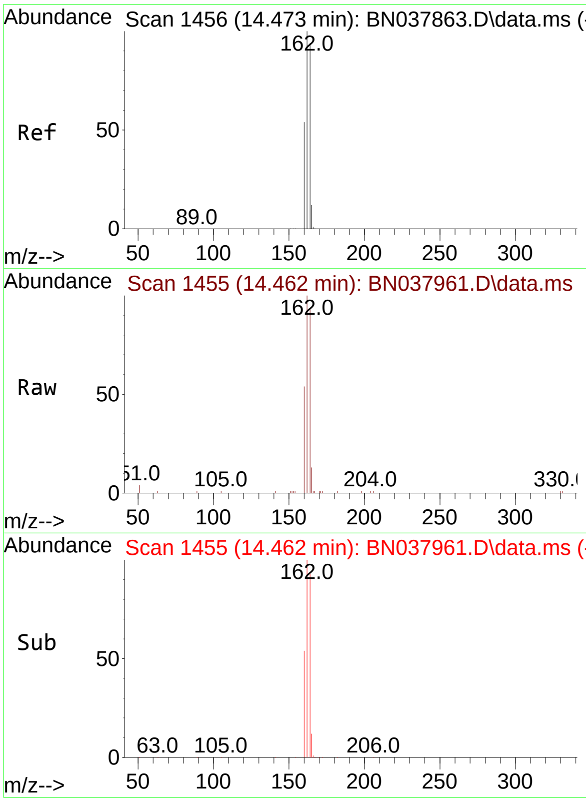
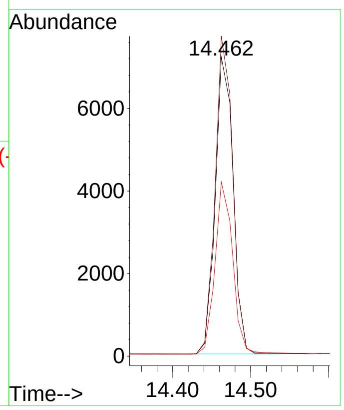
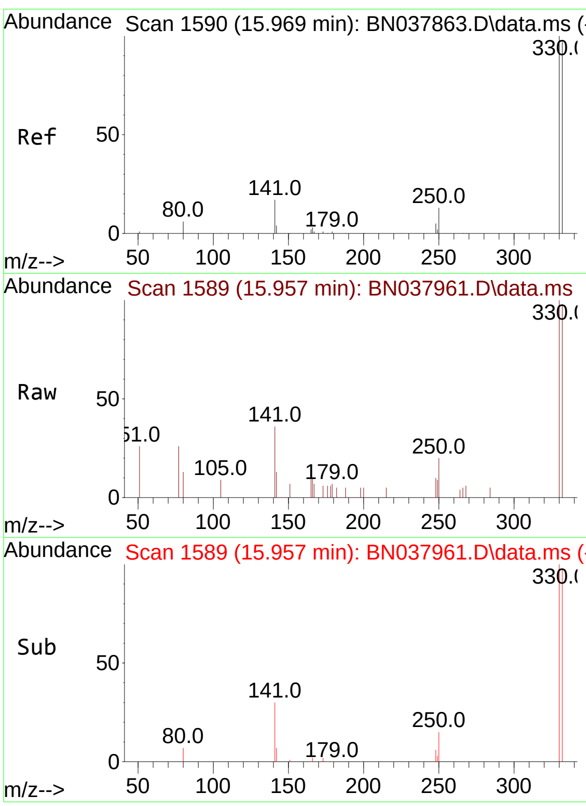


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.462 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN037961.D
Acq: 01 Oct 2025 01:10

Tgt Ion:164 Resp: 11380

Ion	Ratio	Lower	Upper
164	100		
162	107.0	84.8	127.2
160	58.2	46.1	69.1

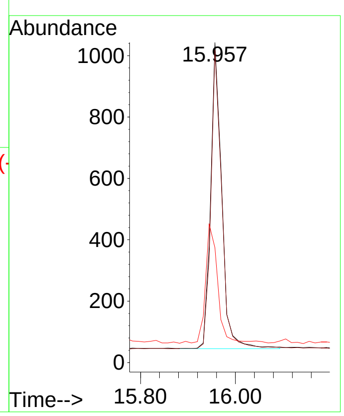




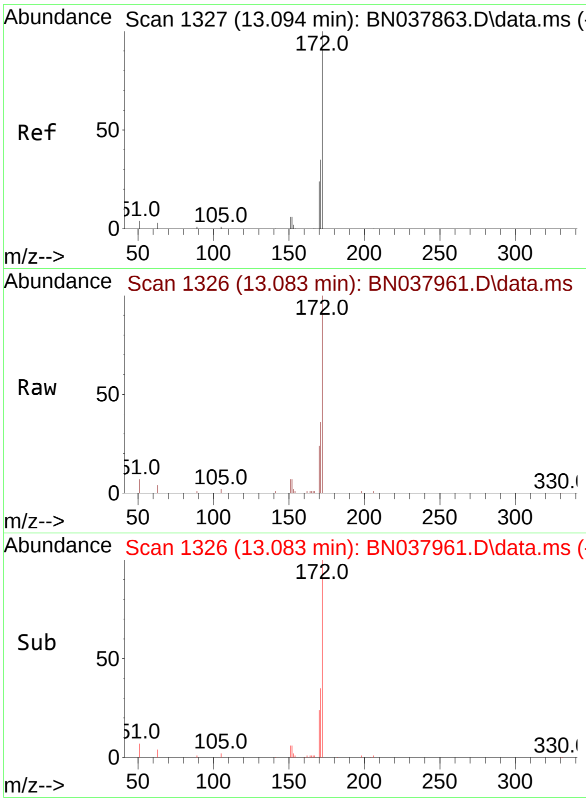
#14
2,4,6-Tribromophenol
Concen: 0.378 ng
RT: 15.957 min Scan# 1589
Delta R.T. -0.012 min
Lab File: BN037961.D
Acq: 01 Oct 2025 01:10

Tgt Ion:330 Resp: 1633

Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.2	115.8
141	42.9	37.2	55.8



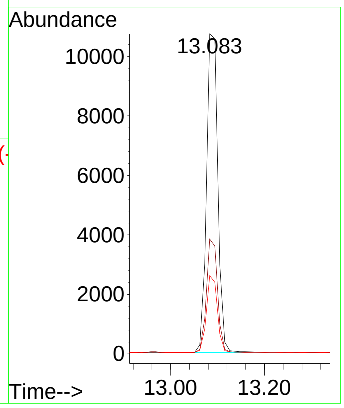
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

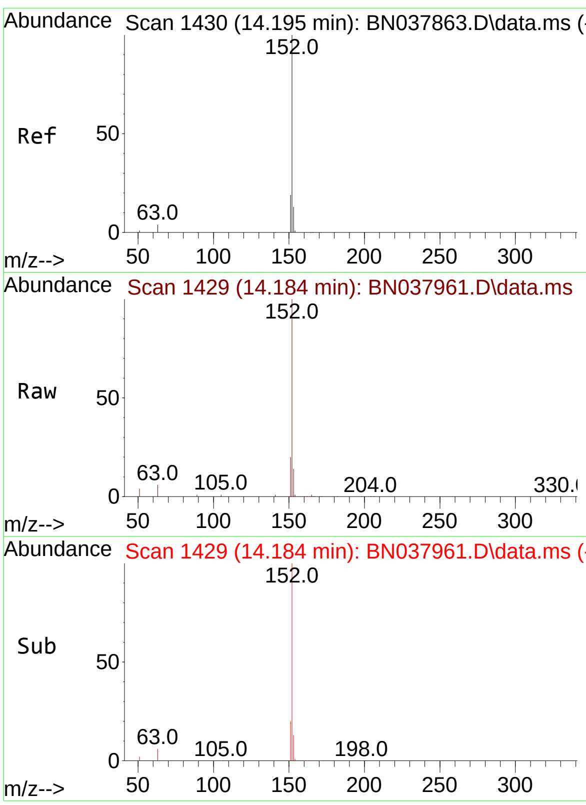


#15
2-Fluorobiphenyl
Concen: 0.386 ng
RT: 13.083 min Scan# 1
Delta R.T. -0.011 min
Lab File: BN037961.D
Acq: 01 Oct 2025 01:10

Tgt Ion:172 Resp: 17995

Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.6	43.0
170	24.4	19.7	29.5

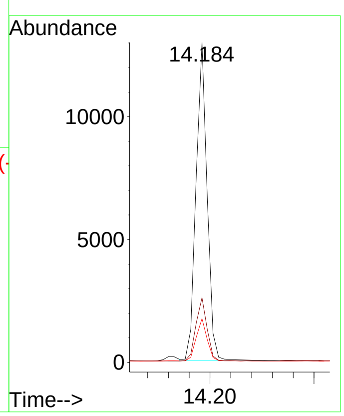




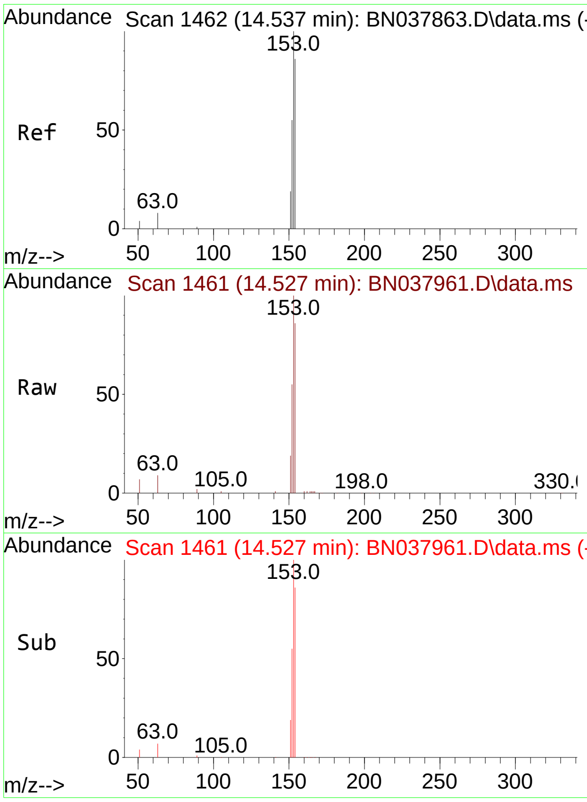
#16
Acenaphthylene
Concen: 0.371 ng
RT: 14.184 min Scan# 1429
Delta R.T. -0.011 min
Lab File: BN037961.D
Acq: 01 Oct 2025 01:10

Tgt Ion:152 Resp: 19157

Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.8	23.8
153	13.5	10.5	15.7



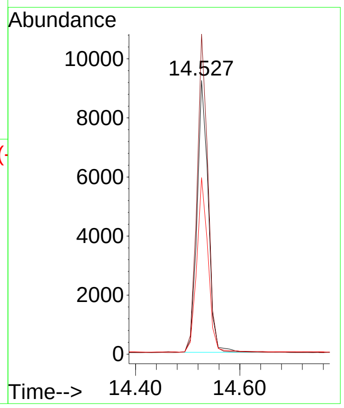
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

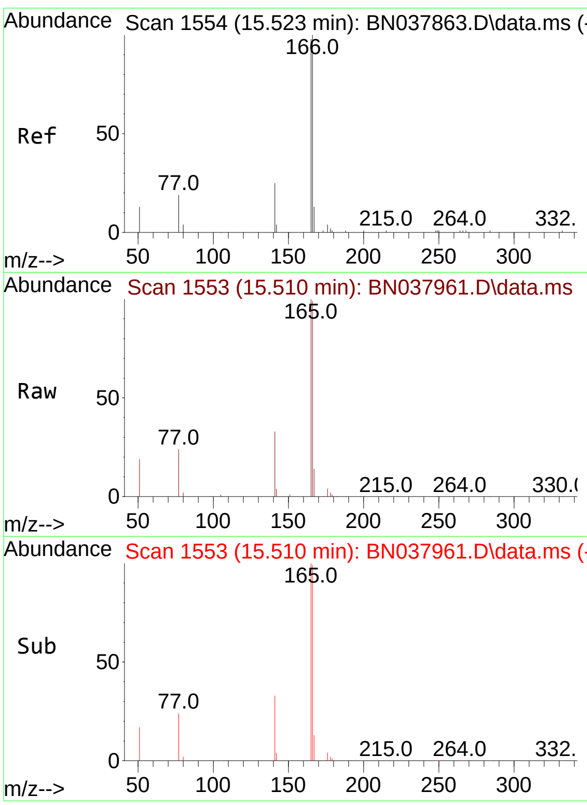


#17
Acenaphthene
Concen: 0.372 ng
RT: 14.527 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN037961.D
Acq: 01 Oct 2025 01:10

Tgt Ion:154 Resp: 13706

Ion	Ratio	Lower	Upper
154	100		
153	114.6	90.5	135.7
152	65.0	51.8	77.8

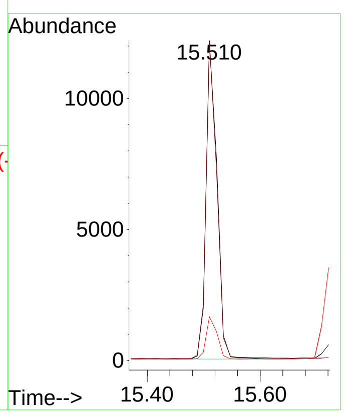




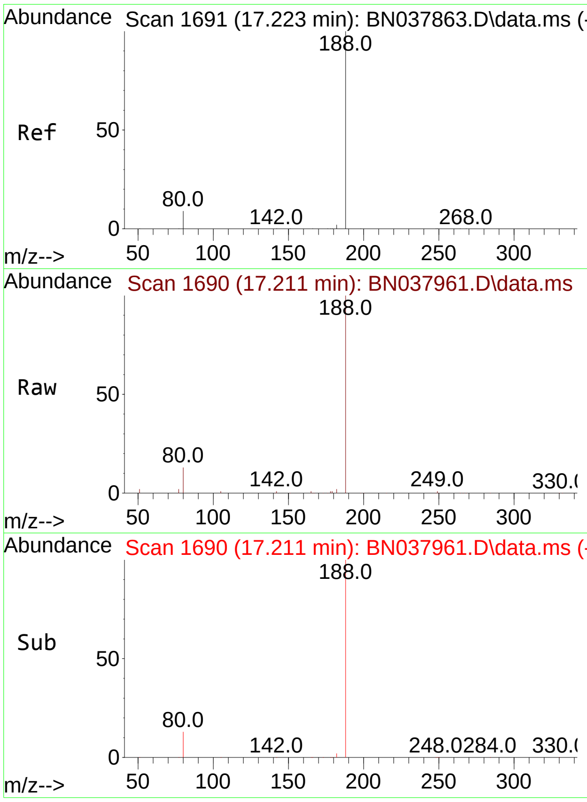
#18
Fluorene
Concen: 0.366 ng
RT: 15.510 min Scan# 1553
Delta R.T. -0.012 min
Lab File: BN037961.D
Acq: 01 Oct 2025 01:10

Tgt Ion:166 Resp: 16311

Ion	Ratio	Lower	Upper
166	100		
165	98.2	79.0	118.4
167	12.8	10.6	16.0



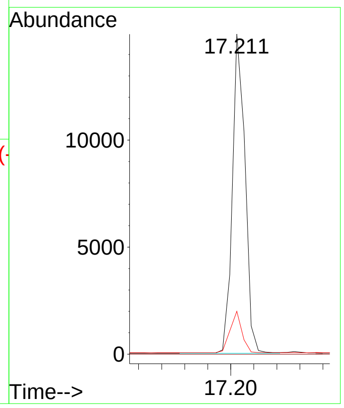
Instrument : BNA_N
ClientSampleId : SSTDCCC0.4

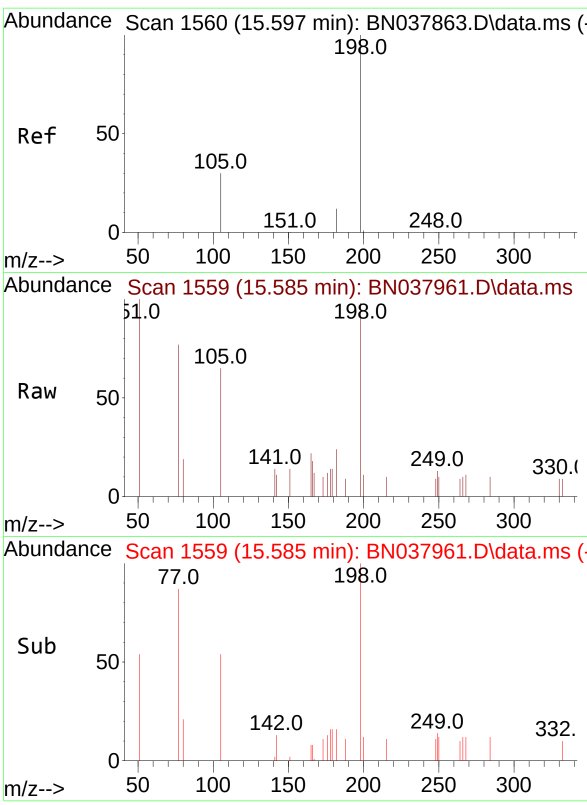


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.211 min Scan# 1(
Delta R.T. -0.012 min
Lab File: BN037961.D
Acq: 01 Oct 2025 01:10

Tgt Ion:188 Resp: 22791

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	13.4	7.6	11.4#

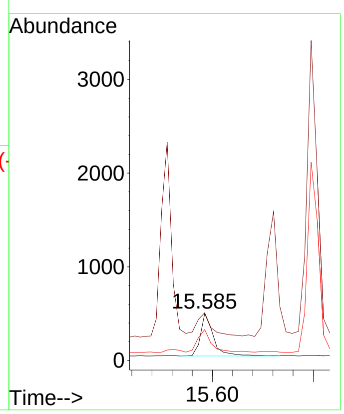




#20
4,6-Dinitro-2-methylphenol
Concen: 0.344 ng
RT: 15.585 min Scan# 1559
Delta R.T. -0.012 min
Lab File: BN037961.D
Acq: 01 Oct 2025 01:10

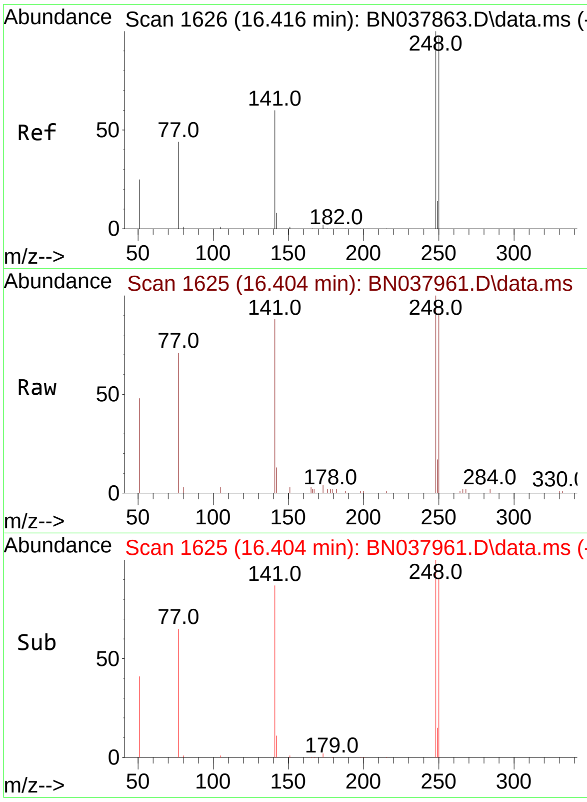
Tgt Ion:198 Resp: 807

Ion	Ratio	Lower	Upper
198	100		
51	101.6	59.1	88.7#
105	65.9	41.3	61.9#



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

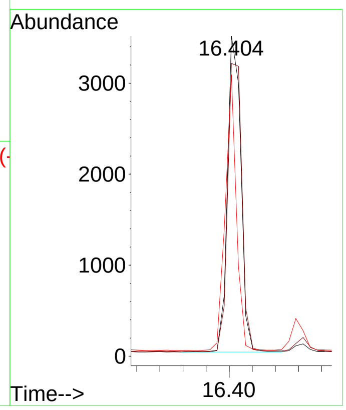
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

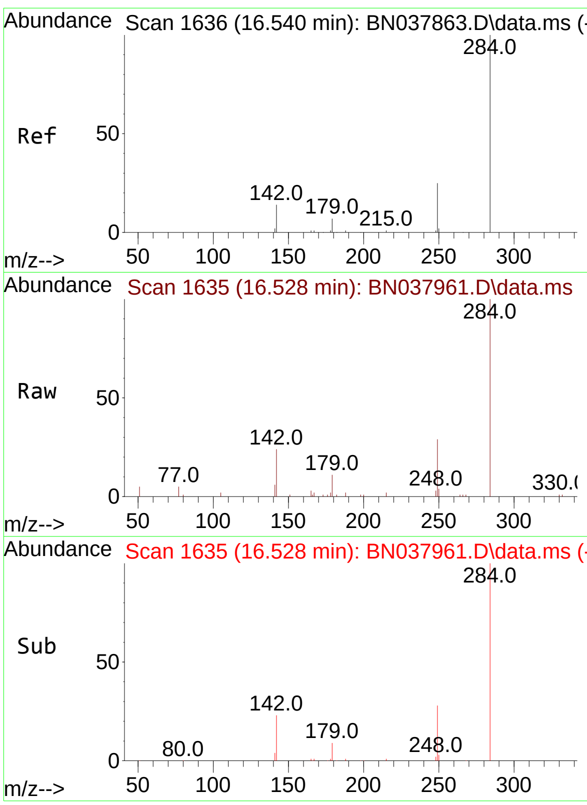


#21
4-Bromophenyl-phenylether
Concen: 0.377 ng
RT: 16.404 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037961.D
Acq: 01 Oct 2025 01:10

Tgt Ion:248 Resp: 5602

Ion	Ratio	Lower	Upper
248	100		
250	91.5	77.6	116.4
141	88.0	48.8	73.2#

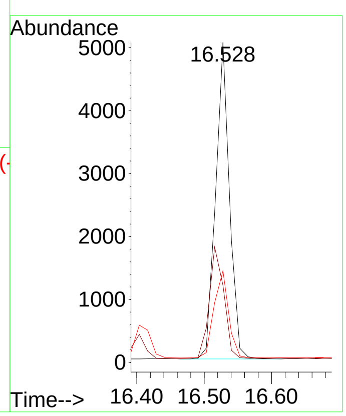




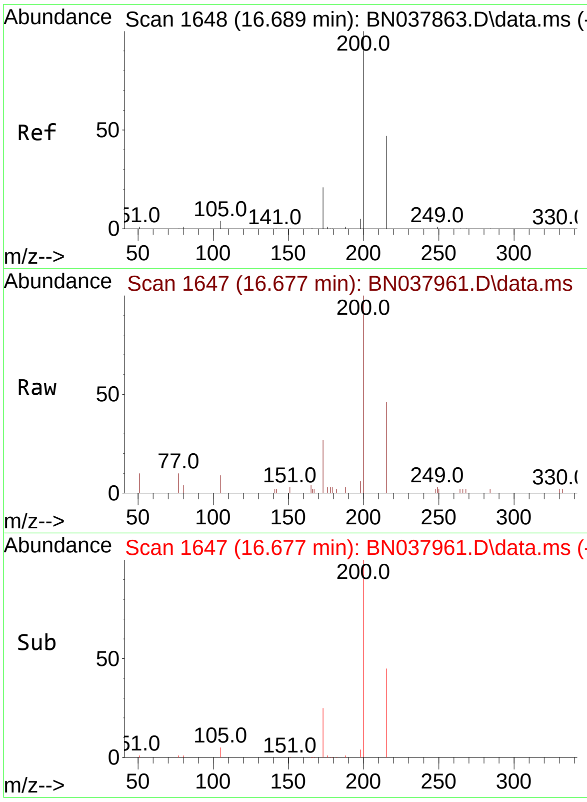
#22
Hexachlorobenzene
Concen: 0.399 ng
RT: 16.528 min Scan# 1635
Delta R.T. -0.012 min
Lab File: BN037961.D
Acq: 01 Oct 2025 01:10

Tgt Ion:284 Resp: 7183

Ion	Ratio	Lower	Upper
284	100		
142	37.7	30.9	46.3
249	29.1	23.9	35.9



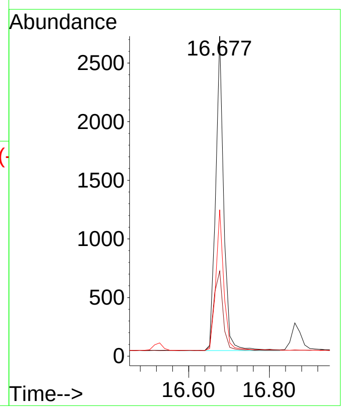
Instrument : BNA_N
ClientSampleId : SSTDCCC0.4

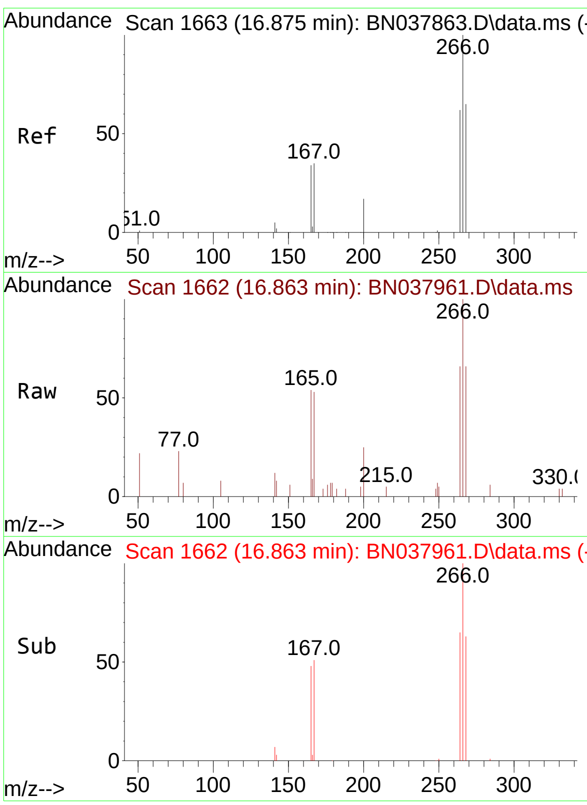


#23
Atrazine
Concen: 0.331 ng
RT: 16.677 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037961.D
Acq: 01 Oct 2025 01:10

Tgt Ion:200 Resp: 3749

Ion	Ratio	Lower	Upper
200	100		
173	26.6	18.3	27.5
215	45.7	38.6	58.0

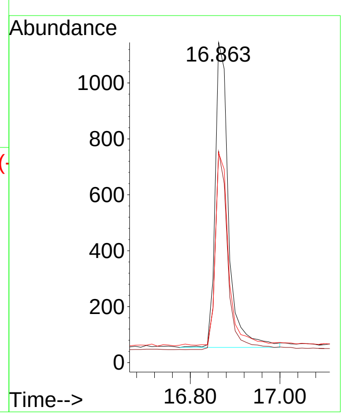




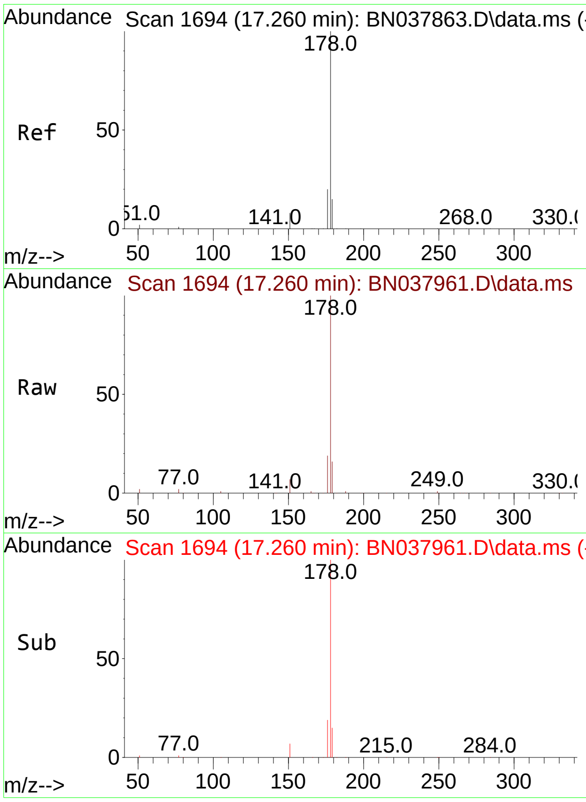
#24
Pentachlorophenol
Concen: 0.367 ng
RT: 16.863 min Scan# 1662
Delta R.T. -0.012 min
Lab File: BN037961.D
Acq: 01 Oct 2025 01:10

Tgt Ion:266 Resp: 2266

Ion	Ratio	Lower	Upper
266	100		
264	61.5	50.9	76.3
268	61.7	54.3	81.5



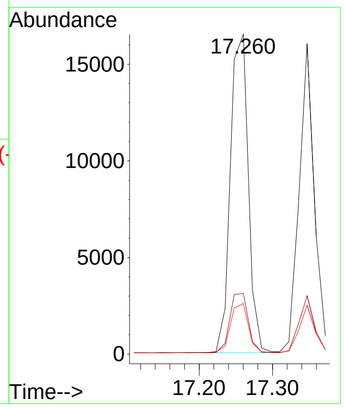
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

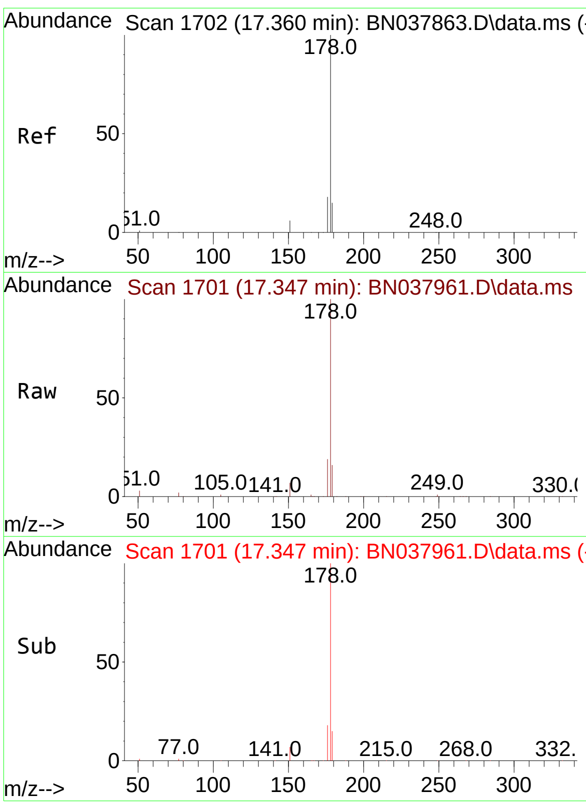


#25
Phenanthrene
Concen: 0.374 ng
RT: 17.260 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037961.D
Acq: 01 Oct 2025 01:10

Tgt Ion:178 Resp: 28035

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.7	23.5
179	15.6	12.3	18.5

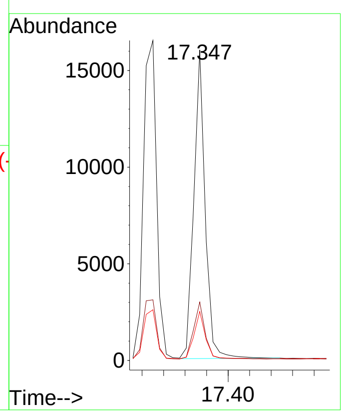




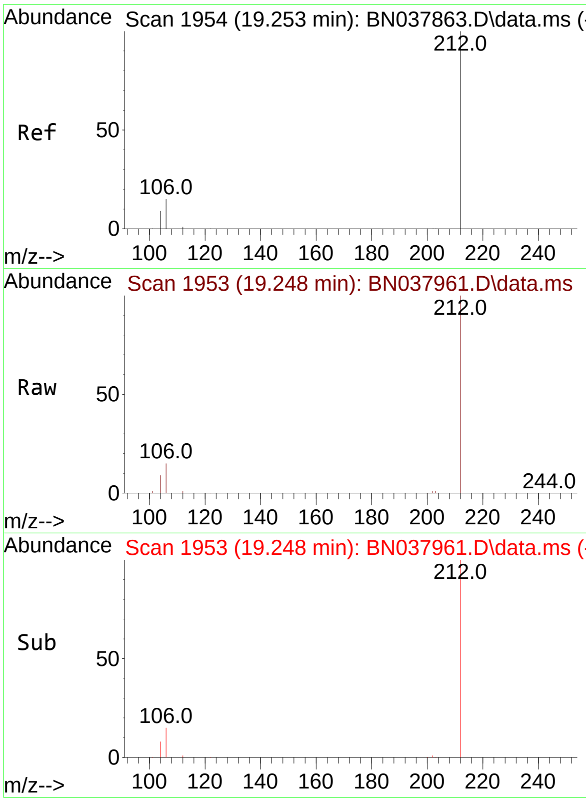
#26
Anthracene
Concen: 0.361 ng
RT: 17.347 min Scan# 1701
Delta R.T. -0.012 min
Lab File: BN037961.D
Acq: 01 Oct 2025 01:10

Tgt Ion:178 Resp: 23461

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.4
179	15.4	12.3	18.5



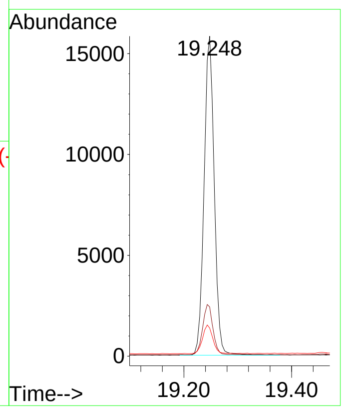
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

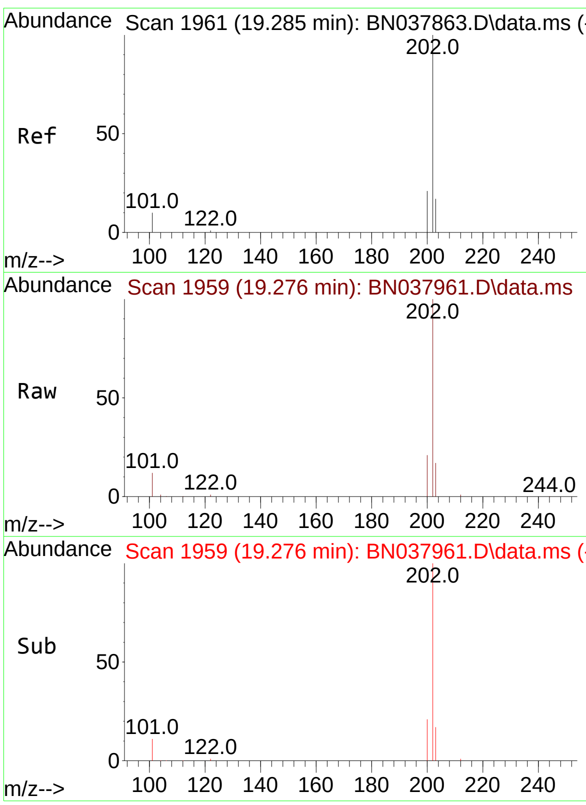


#27
Fluoranthene-d10
Concen: 0.362 ng
RT: 19.248 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN037961.D
Acq: 01 Oct 2025 01:10

Tgt Ion:212 Resp: 20732

Ion	Ratio	Lower	Upper
212	100		
106	16.0	12.6	19.0
104	9.1	7.4	11.0

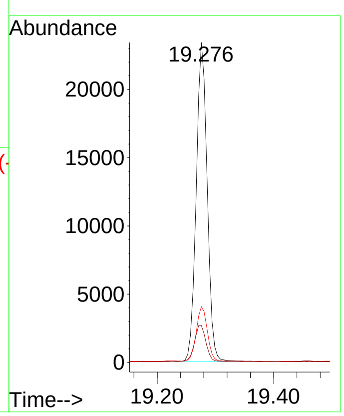




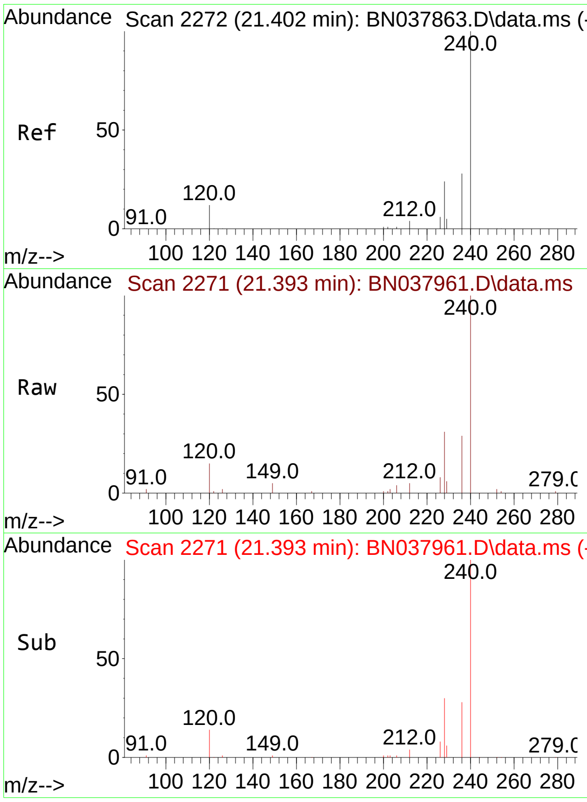
#28
Fluoranthene
Concen: 0.370 ng
RT: 19.276 min Scan# 1959
Delta R.T. -0.009 min
Lab File: BN037961.D
Acq: 01 Oct 2025 01:10

Tgt Ion:202 Resp: 30576

Ion	Ratio	Lower	Upper
202	100		
101	12.1	9.3	13.9
203	17.2	13.6	20.4



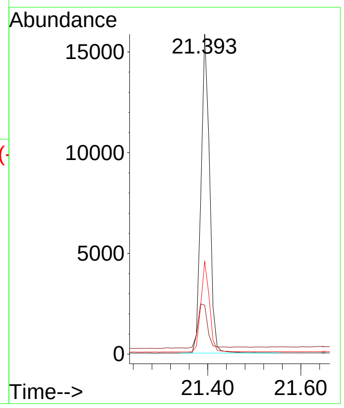
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

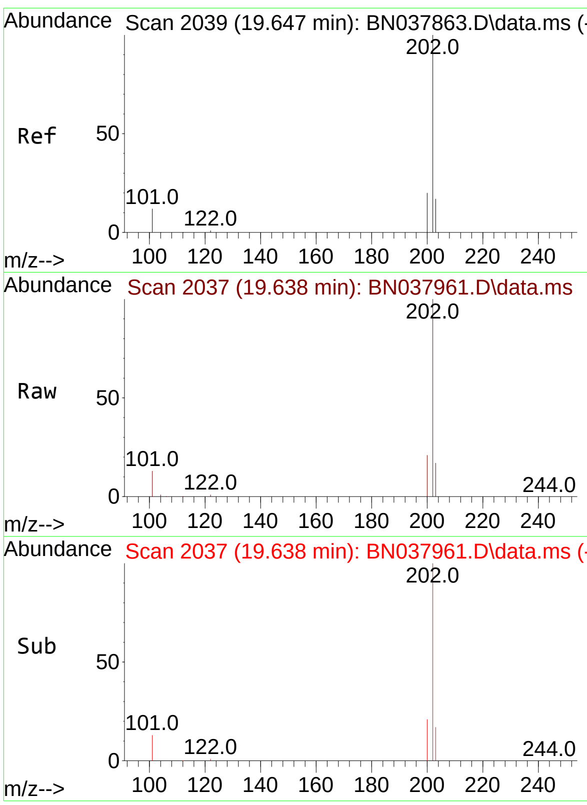


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.393 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037961.D
Acq: 01 Oct 2025 01:10

Tgt Ion:240 Resp: 20365

Ion	Ratio	Lower	Upper
240	100		
120	15.3	11.4	17.2
236	29.0	23.0	34.6

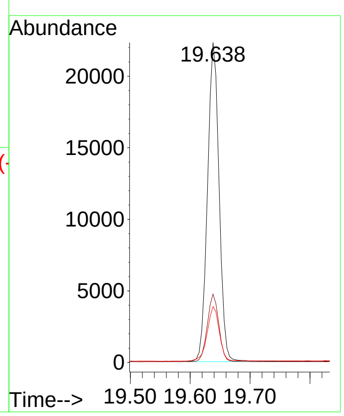




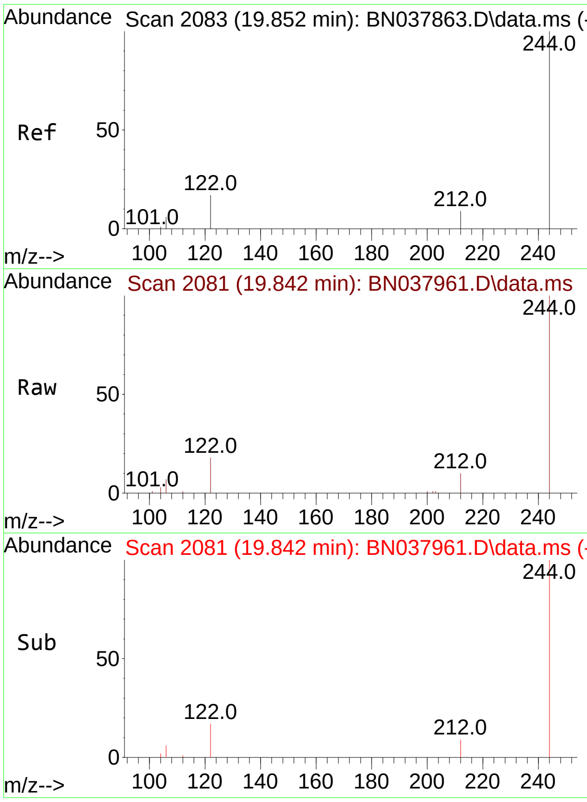
#30
Pyrene
Concen: 0.374 ng
RT: 19.638 min Scan# 2037
Delta R.T. -0.009 min
Lab File: BN037961.D
Acq: 01 Oct 2025 01:10

Tgt Ion:202 Resp: 30058

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.7	25.1
203	17.8	14.2	21.4



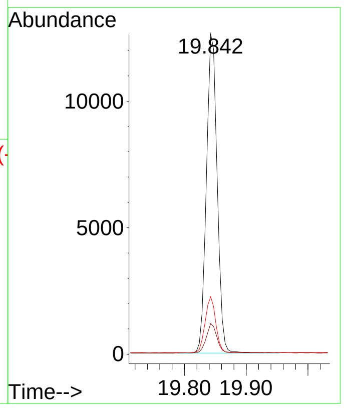
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

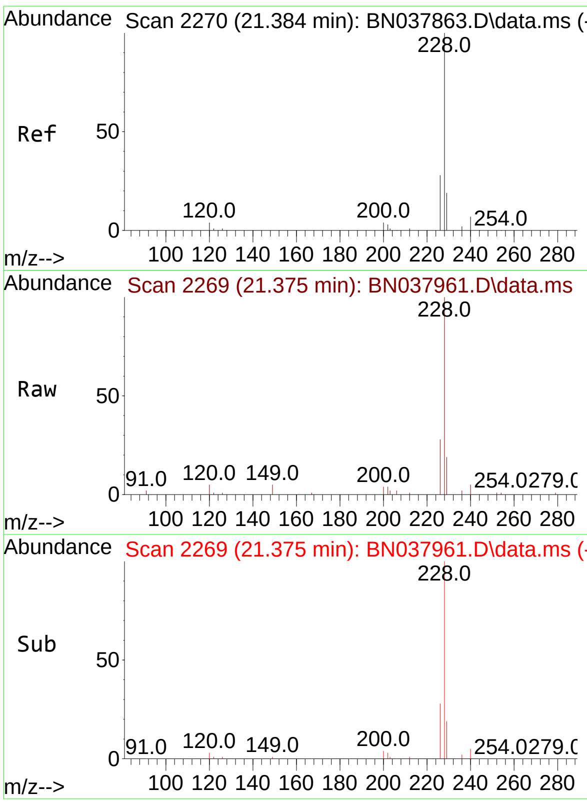


#31
Terphenyl-d14
Concen: 0.375 ng
RT: 19.842 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037961.D
Acq: 01 Oct 2025 01:10

Tgt Ion:244 Resp: 15202

Ion	Ratio	Lower	Upper
244	100		
212	9.6	7.6	11.4
122	17.9	13.9	20.9

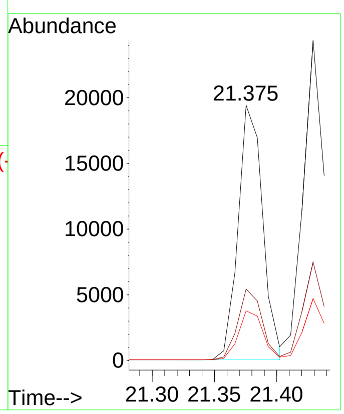




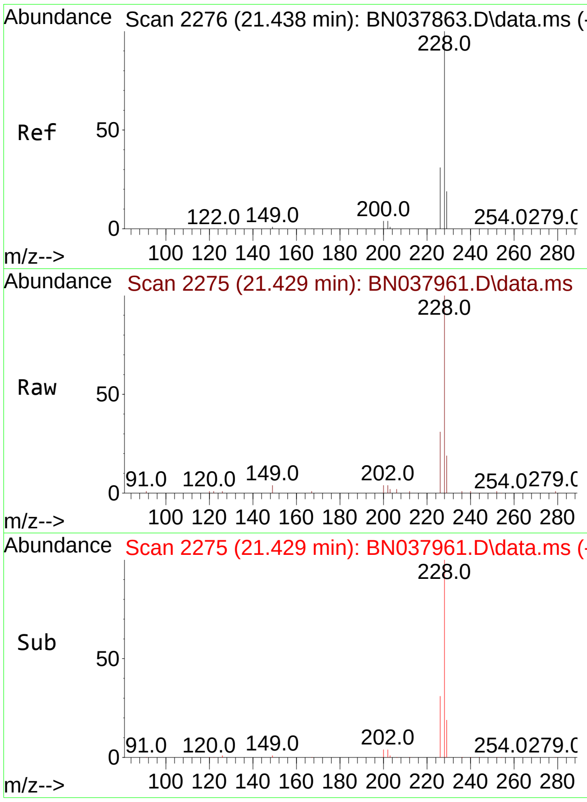
#32
Benzo(a)anthracene
Concen: 0.373 ng
RT: 21.375 min Scan# 2269
Delta R.T. -0.009 min
Lab File: BN037961.D
Acq: 01 Oct 2025 01:10

Tgt Ion:228 Resp: 26565

Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.6	33.8
229	19.4	15.6	23.4



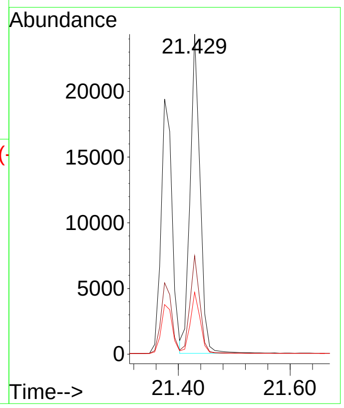
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

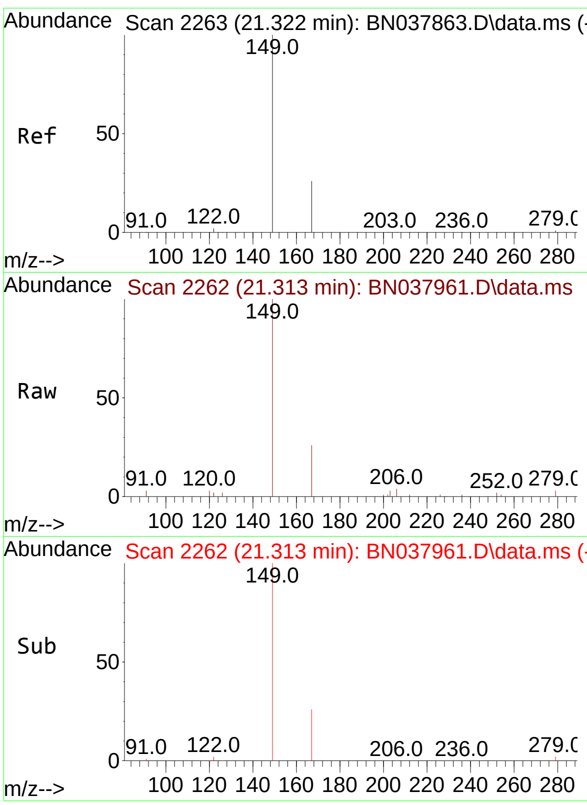


#33
Chrysene
Concen: 0.391 ng
RT: 21.429 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037961.D
Acq: 01 Oct 2025 01:10

Tgt Ion:228 Resp: 30061

Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.6	37.0
229	19.4	15.6	23.4

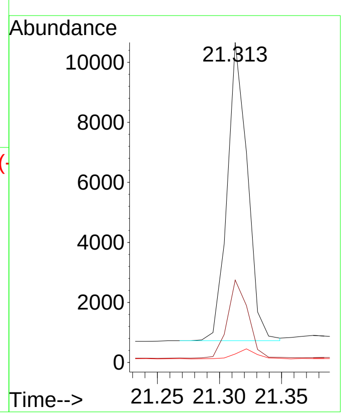




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.400 ng
RT: 21.313 min Scan# 2262
Delta R.T. -0.009 min
Lab File: BN037961.D
Acq: 01 Oct 2025 01:10

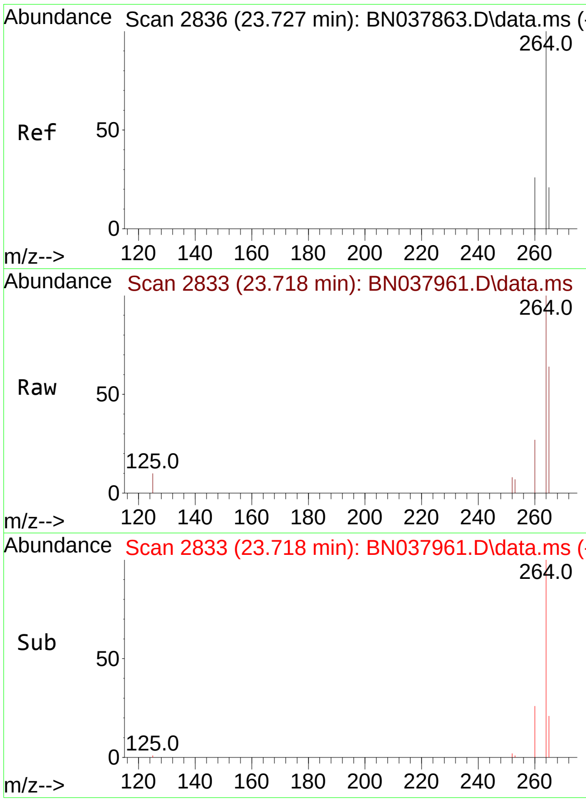
Tgt Ion:149 Resp: 11256

Ion	Ratio	Lower	Upper
149	100		
167	26.6	20.4	30.6
279	3.5	2.4	3.6



Instrument : BNA_N
ClientSampleId : SSTDCCC0.4

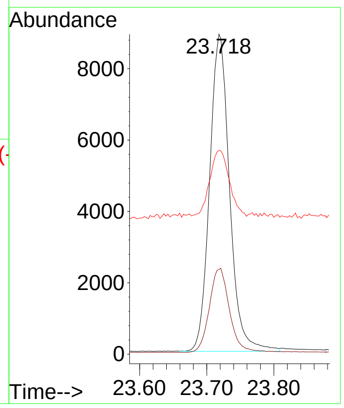
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

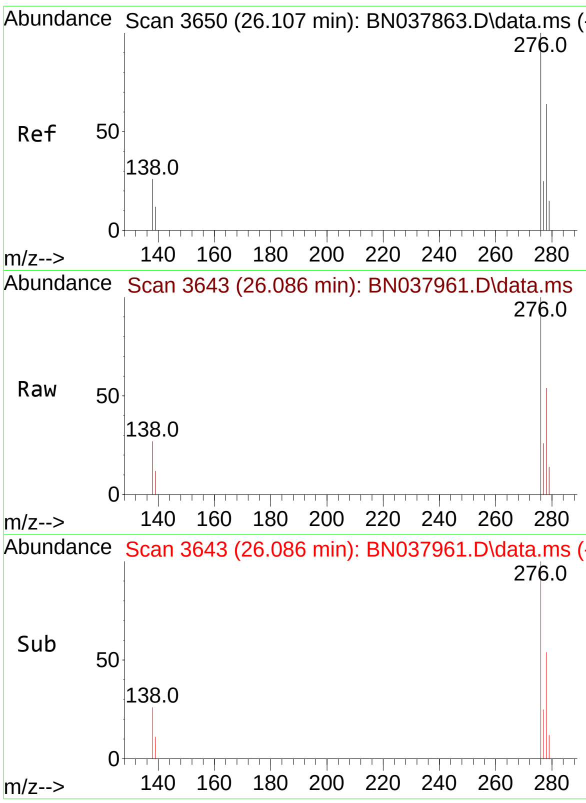


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.718 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037961.D
Acq: 01 Oct 2025 01:10

Tgt Ion:264 Resp: 18357

Ion	Ratio	Lower	Upper
264	100		
260	26.5	21.5	32.3
265	63.7	53.8	80.6

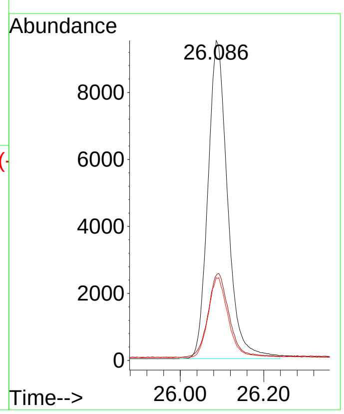




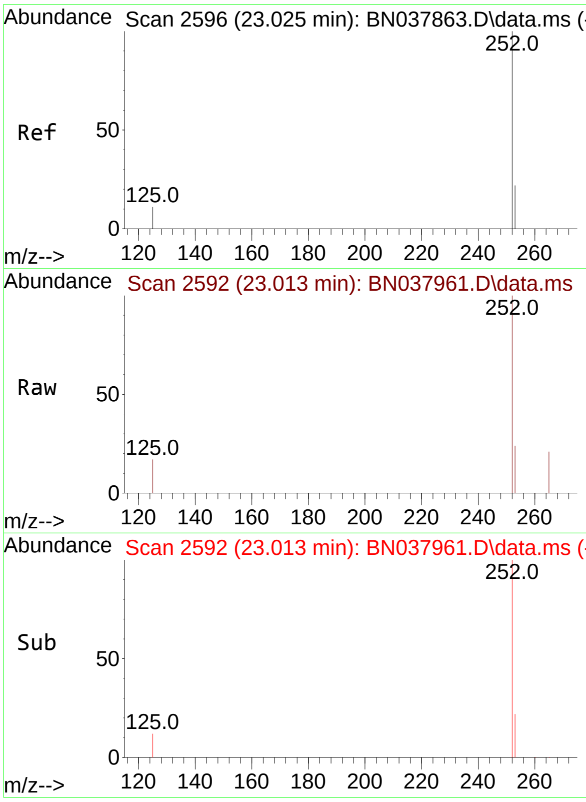
#36
Indeno(1,2,3-cd)pyrene
Concen: 0.372 ng
RT: 26.086 min Scan# 3643
Delta R.T. -0.021 min
Lab File: BN037961.D
Acq: 01 Oct 2025 01:10

Tgt Ion:276 Resp: 31200

Ion	Ratio	Lower	Upper
276	100		
138	28.2	21.4	32.0
277	25.3	20.3	30.5



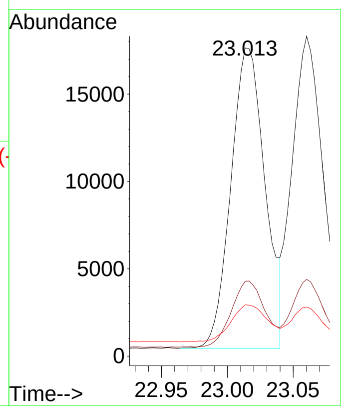
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

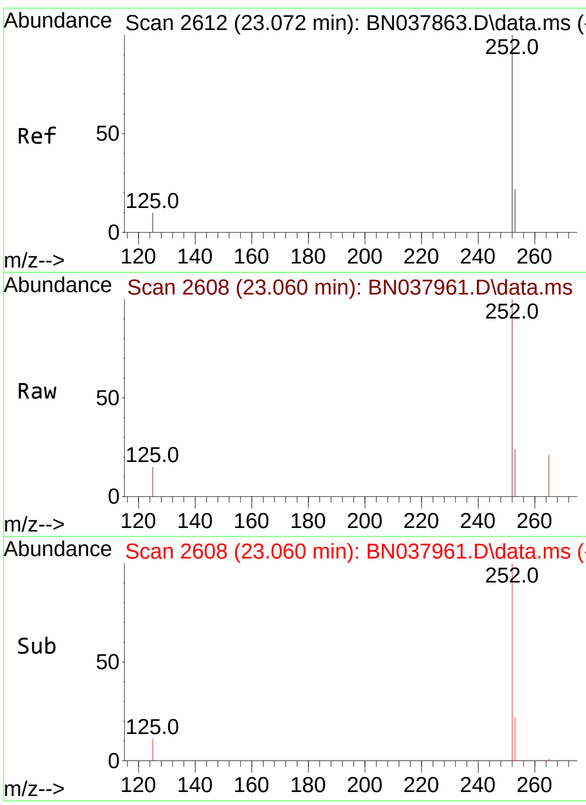


#37
Benzo(b)fluoranthene
Concen: 0.394 ng
RT: 23.013 min Scan# 2
Delta R.T. -0.012 min
Lab File: BN037961.D
Acq: 01 Oct 2025 01:10

Tgt Ion:252 Resp: 31172

Ion	Ratio	Lower	Upper
252	100		
253	24.3	19.4	29.0
125	16.7	13.0	19.4

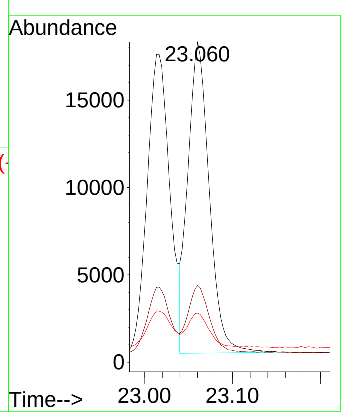




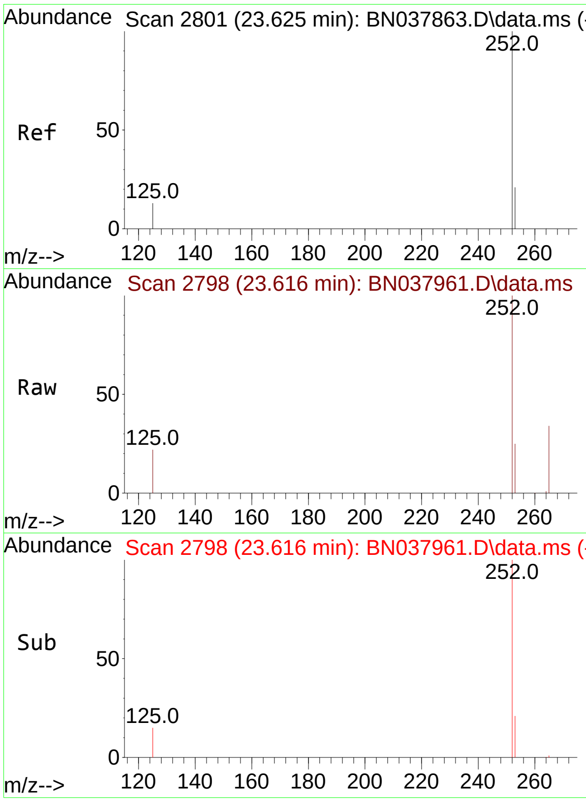
#38
Benzo(k)fluoranthene
Concen: 0.378 ng
RT: 23.060 min Scan# 2608
Delta R.T. -0.012 min
Lab File: BN037961.D
Acq: 01 Oct 2025 01:10

Tgt Ion:252 Resp: 30119

Ion	Ratio	Lower	Upper
252	100		
253	24.0	19.5	29.3
125	15.4	13.0	19.4



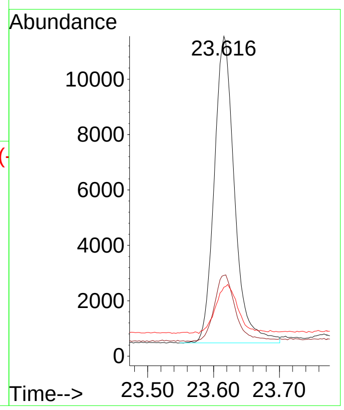
Instrument : BNA_N
ClientSampleId : SSTDCCC0.4

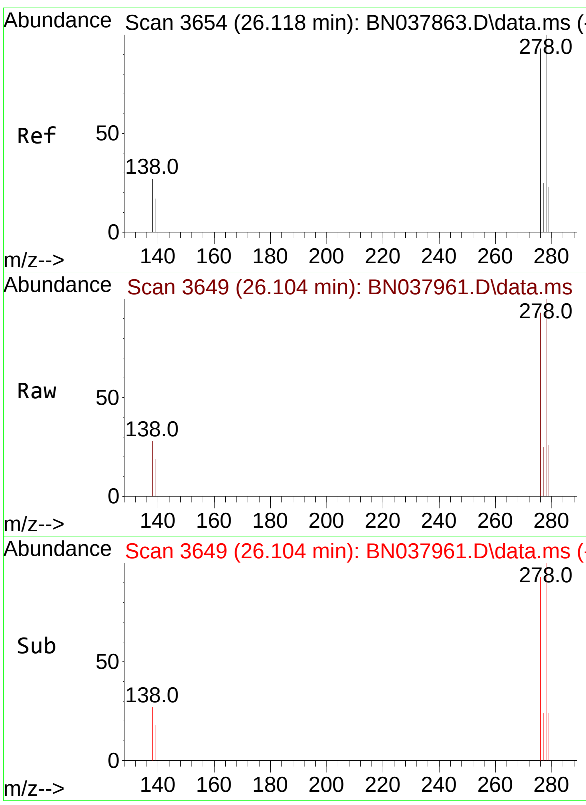


#39
Benzo(a)pyrene
Concen: 0.379 ng
RT: 23.616 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037961.D
Acq: 01 Oct 2025 01:10

Tgt Ion:252 Resp: 23701

Ion	Ratio	Lower	Upper
252	100		
253	25.2	20.6	30.8
125	21.5	16.7	25.1

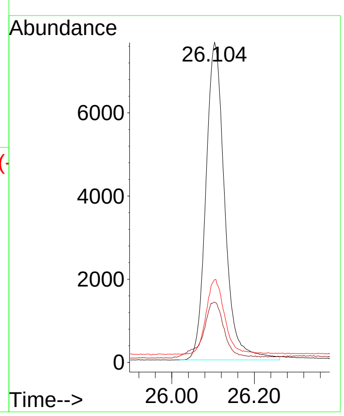


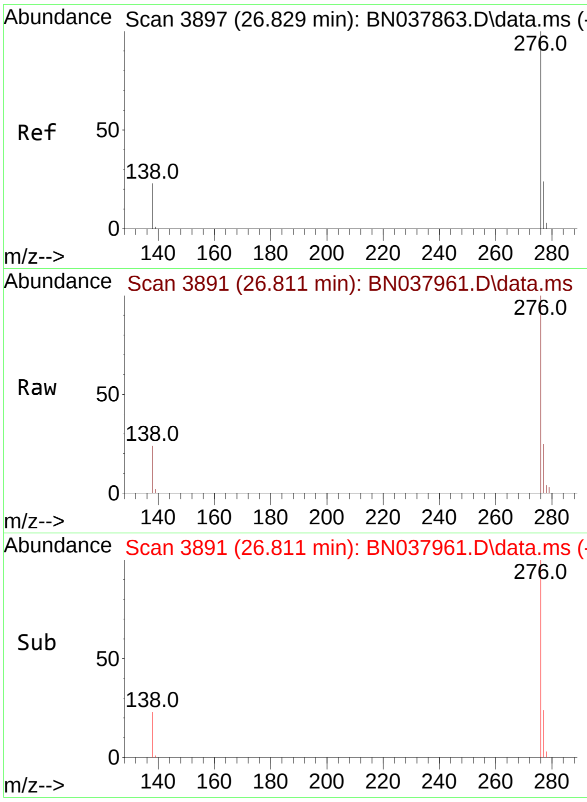


#40
Dibenzo(a,h)anthracene
Concen: 0.371 ng
RT: 26.104 min Scan# 3649
Delta R.T. -0.015 min
Lab File: BN037961.D
Acq: 01 Oct 2025 01:10

Tgt Ion:278 Resp: 24289

Ion	Ratio	Lower	Upper
278	100		
139	18.8	15.4	23.2
279	25.9	20.8	31.2



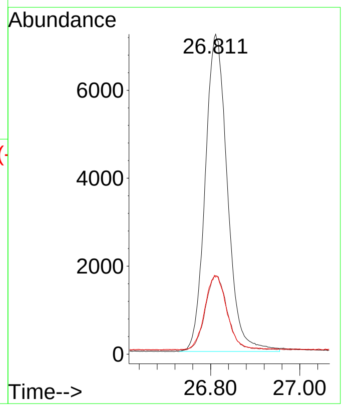


#41
Benzo(g,h,i)perylene
Concen: 0.362 ng
RT: 26.811 min Scan# 3
Delta R.T. -0.018 min
Lab File: BN037961.D
Acq: 01 Oct 2025 01:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 24936

Ion	Ratio	Lower	Upper
276	100		
277	24.6	20.2	30.4
138	24.0	19.8	29.8



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

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Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN093025\
Data File : BN037961.D
Acq On    : 01 Oct 2025  01:10
Operator  : RC/JU
Sample    : SSTDCCC0.4
Misc      :
ALS Vial  : 18   Sample Multiplier: 1

Quant Time: Oct 01 01:46:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 11:00:01 2025
Response via : Initial Calibration
```

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

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Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  25%     Max. Rel. Area : 150%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	127	-0.01
2		1,4-Dioxane	0.406	0.404	0.5	125	0.00
3		n-Nitrosodimethylamine	0.540	0.494	8.5	121	0.00
4	S	2-Fluorophenol	0.913	0.904	1.0	134	0.00
5	S	Phenol-d6	1.199	1.127	6.0	127	0.00
6		bis(2-Chloroethyl)ether	1.113	1.103	0.9	129	0.00
7	I	Naphthalene-d8	1.000	1.000	0.0	143	-0.01
8	S	Nitrobenzene-d5	0.305	0.255	16.4	126	-0.01
9		Naphthalene	1.102	1.061	3.7	145	0.00
10		Hexachlorobutadiene	0.188	0.185	1.6	145	-0.01
11	SURR	2-Methylnaphthalene-d10	0.556	0.509	8.5	146	0.00
12		2-Methylnaphthalene	0.720	0.677	6.0	145	-0.01
13	I	Acenaphthene-d10	1.000	1.000	0.0	138	-0.01
14	S	2,4,6-Tribromophenol	0.152	0.143	5.9	146	-0.01
15	S	2-Fluorobiphenyl	1.638	1.581	3.5	140	-0.01
16		Acenaphthylene	1.816	1.683	7.3	140	-0.01
17		Acenaphthene	1.294	1.204	7.0	139	-0.01
18		Fluorene	1.565	1.433	8.4	136	-0.01
19	I	Phenanthrene-d10	1.000	1.000	0.0	143	-0.01
20		4,6-Dinitro-2-methylphenol	0.057	0.035	38.6#	116	-0.01
21		4-Bromophenyl-phenylether	0.261	0.246	5.7	144	-0.01
22		Hexachlorobenzene	0.316	0.315	0.3	148	-0.01
23		Atrazine	0.199	0.164	17.6	137	-0.01
24		Pentachlorophenol	0.108	0.099	8.3	155#	-0.01
25		Phenanthrene	1.316	1.230	6.5	143	0.00
26		Anthracene	1.142	1.029	9.9	144	-0.01
27	SURR	Fluoranthene-d10	1.006	0.910	9.5	147	0.00
28		Fluoranthene	1.450	1.342	7.4	146	0.00
29	I	Chrysene-d12	1.000	1.000	0.0	150	0.00
30		Pyrene	1.579	1.476	6.5	146	0.00
31	S	Terphenyl-d14	0.797	0.746	6.4	149	0.00
32		Benzo(a)anthracene	1.398	1.304	6.7	151#	0.00
33		Chrysene	1.512	1.476	2.4	151#	0.00
34		Bis(2-ethylhexyl)phthalate	0.553	0.553	0.0	170#	0.00
35	I	Perylene-d12	1.000	1.000	0.0	146	0.00
36		Indeno(1,2,3-cd)pyrene	1.828	1.700	7.0	150	-0.02
37		Benzo(b)fluoranthene	1.725	1.698	1.6	151#	-0.01
38		Benzo(k)fluoranthene	1.736	1.641	5.5	150	-0.01
39	C	Benzo(a)pyrene	1.364	1.291	5.4	153#	0.00
40		Dibenzo(a,h)anthracene	1.427	1.323	7.3	148	-0.01
41		Benzo(g,h,i)perylene	1.499	1.358	9.4	141	-0.02

(#) = Out of Range   SPCC's out = 0   CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN093025\
Data File : BN037961.D
Acq On : 01 Oct 2025 01:10
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Quant Time: Oct 01 01:46:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : 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	127	-0.01
2		1,4-Dioxane	0.400	0.398	0.5	125	0.00
3		n-Nitrosodimethylamine	0.400	0.366	8.5	121	0.00
4	S	2-Fluorophenol	0.400	0.396	1.0	134	0.00
5	S	Phenol-d6	0.400	0.376	6.0	127	0.00
6		bis(2-Chloroethyl)ether	0.400	0.396	1.0	129	0.00
7	I	Naphthalene-d8	0.400	0.400	0.0	143	-0.01
8	S	Nitrobenzene-d5	0.400	0.334	16.5	126	-0.01
9		Naphthalene	0.400	0.385	3.8	145	0.00
10		Hexachlorobutadiene	0.400	0.394	1.5	145	-0.01
11	SURR	2-Methylnaphthalene-d10	0.400	0.366	8.5	146	0.00
12		2-Methylnaphthalene	0.400	0.376	6.0	145	-0.01
13	I	Acenaphthene-d10	0.400	0.400	0.0	138	-0.01
14	S	2,4,6-Tribromophenol	0.400	0.378	5.5	146	-0.01
15	S	2-Fluorobiphenyl	0.400	0.386	3.5	140	-0.01
16		Acenaphthylene	0.400	0.371	7.3	140	-0.01
17		Acenaphthene	0.400	0.372	7.0	139	-0.01
18		Fluorene	0.400	0.366	8.5	136	-0.01
19	I	Phenanthrene-d10	0.400	0.400	0.0	143	-0.01
20		4,6-Dinitro-2-methylphenol	0.400	0.344	14.0	116	-0.01
21		4-Bromophenyl-phenylether	0.400	0.377	5.8	144	-0.01
22		Hexachlorobenzene	0.400	0.399	0.3	148	-0.01
23		Atrazine	0.400	0.331	17.3	137	-0.01
24		Pentachlorophenol	0.400	0.367	8.3	155	-0.01
25		Phenanthrene	0.400	0.374	6.5	143	0.00
26		Anthracene	0.400	0.361	9.8	144	-0.01
27	SURR	Fluoranthene-d10	0.400	0.362	9.5	147	0.00
28		Fluoranthene	0.400	0.370	7.5	146	0.00
29	I	Chrysene-d12	0.400	0.400	0.0	150	0.00
30		Pyrene	0.400	0.374	6.5	146	0.00
31	S	Terphenyl-d14	0.400	0.375	6.3	149	0.00
32		Benzo(a)anthracene	0.400	0.373	6.8	151	0.00
33		Chrysene	0.400	0.391	2.3	151	0.00
34		Bis(2-ethylhexyl)phthalate	0.400	0.400	0.0	170	0.00
35	I	Perylene-d12	0.400	0.400	0.0	146	0.00
36		Indeno(1,2,3-cd)pyrene	0.400	0.372	7.0	150	-0.02
37		Benzo(b)fluoranthene	0.400	0.394	1.5	151	-0.01
38		Benzo(k)fluoranthene	0.400	0.378	5.5	150	-0.01
39	C	Benzo(a)pyrene	0.400	0.379	5.3	153	0.00
40		Dibenzo(a,h)anthracene	0.400	0.371	7.3	148	-0.01
41		Benzo(g,h,i)perylene	0.400	0.362	9.5	141	-0.02

(#) = 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.: Q3193

Instrument ID: BNA_N Calibration Date/Time: 10/01/2025 09:24

Lab File ID: BN037974.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	0.533		-4.1	50.0
Fluoranthene-d10	1.006	0.910		-9.5	50.0
2-Fluorophenol	0.913	0.807		-11.6	50.0
Phenol-d6	1.199	1.066		-11.1	50.0
Nitrobenzene-d5	0.305	0.293		-3.9	50.0
2-Fluorobiphenyl	1.638	1.515		-7.5	50.0
2,4,6-Tribromophenol	0.152	0.136		-10.5	50.0
Terphenyl-d14	0.797	0.790		-0.9	50.0
1,4-Dioxane	0.406	0.370		-8.9	50.0

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN093025\
Data File : BN037974.D
Acq On : 01 Oct 2025 09:24
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Quant Time: Oct 01 10:36:55 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	7.826	152	10156	0.400 ng	0.00
7) Naphthalene-d8	10.626	136	28991	0.400 ng	0.00
13) Acenaphthene-d10	14.473	164	16497	0.400 ng	0.00
19) Phenanthrene-d10	17.223	188	32604	0.400 ng	# 0.00
29) Chrysene-d12	21.402	240	27456	0.400 ng	# 0.00
35) Perylene-d12	23.727	264	23881	0.400 ng	0.00
System Monitoring Compounds					
4) 2-Fluorophenol	5.384	112	8191	0.353 ng	0.00
5) Phenol-d6	6.981	99	10829	0.356 ng	0.00
8) Nitrobenzene-d5	8.971	82	8488	0.384 ng	0.00
11) 2-Methylnaphthalene-d10	12.217	152	15439	0.383 ng	0.00
14) 2,4,6-Tribromophenol	15.957	330	2242	0.358 ng	-0.01
15) 2-Fluorobiphenyl	13.094	172	24989	0.370 ng	0.00
27) Fluoranthene-d10	19.253	212	29664	0.362 ng	0.00
31) Terphenyl-d14	19.847	244	21686	0.397 ng	0.00

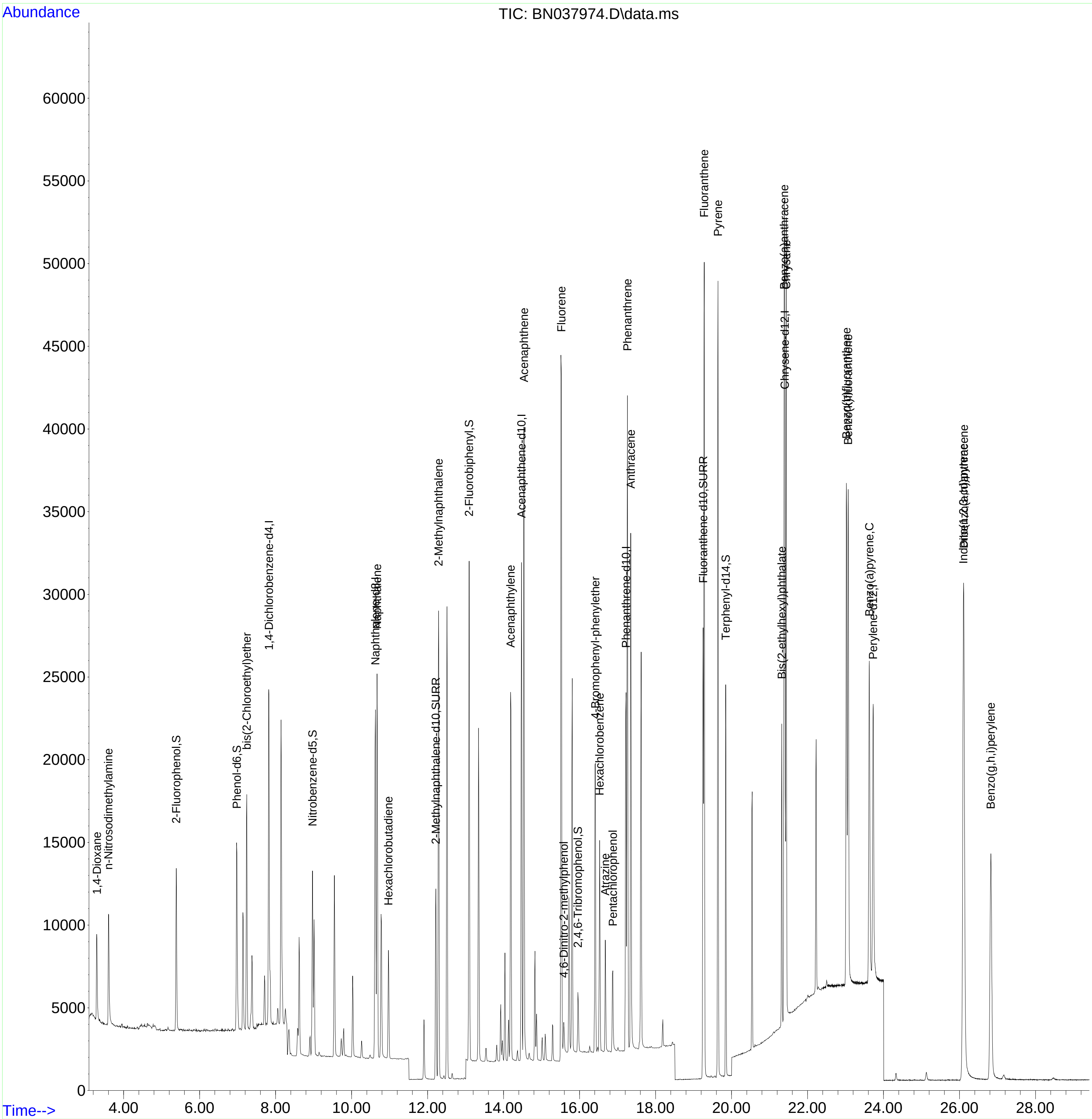
Target Compounds	R.T.	QIon	Response	Conc Units		Qvalue
2) 1,4-Dioxane	3.297	88	3761	0.365 ng		96
3) n-Nitrosodimethylamine	3.601	42	4703	0.343 ng	#	92
6) bis(2-Chloroethyl)ether	7.241	93	10350	0.366 ng		100
9) Naphthalene	10.669	128	30214	0.378 ng		99
10) Hexachlorobutadiene	10.968	225	5254	0.386 ng	#	98
12) 2-Methylnaphthalene	12.288	142	20111	0.385 ng		99
16) Acenaphthylene	14.185	152	26590	0.355 ng		100
17) Acenaphthene	14.537	154	19735	0.370 ng		98
18) Fluorene	15.523	166	23699	0.367 ng		99
20) 4,6-Dinitro-2-methylph...	15.585	198	1270	0.371 ng	#	66
21) 4-Bromophenyl-phenylether	16.416	248	7976	0.375 ng	#	87
22) Hexachlorobenzene	16.528	284	9764	0.379 ng		98
23) Atrazine	16.677	200	5162	0.319 ng	#	92
24) Pentachlorophenol	16.876	266	2920	0.330 ng		95
25) Phenanthrene	17.260	178	39811	0.371 ng		99
26) Anthracene	17.347	178	33437	0.359 ng		100
28) Fluoranthene	19.280	202	43147	0.365 ng		100
30) Pyrene	19.643	202	42249	0.390 ng		100
32) Benzo(a)anthracene	21.384	228	35923	0.374 ng		99
33) Chrysene	21.438	228	39880	0.384 ng		99
34) Bis(2-ethylhexyl)phtha...	21.322	149	15979	0.421 ng		97
36) Indeno(1,2,3-cd)pyrene	26.101	276	38926	0.357 ng		99
37) Benzo(b)fluoranthene	23.022	252	39722	0.386 ng		99
38) Benzo(k)fluoranthene	23.069	252	40172	0.388 ng		98
39) Benzo(a)pyrene	23.625	252	30290	0.372 ng		99
40) Dibenzo(a,h)anthracene	26.113	278	30454	0.357 ng		99
41) Benzo(g,h,i)perylene	26.823	276	30831	0.344 ng		99

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

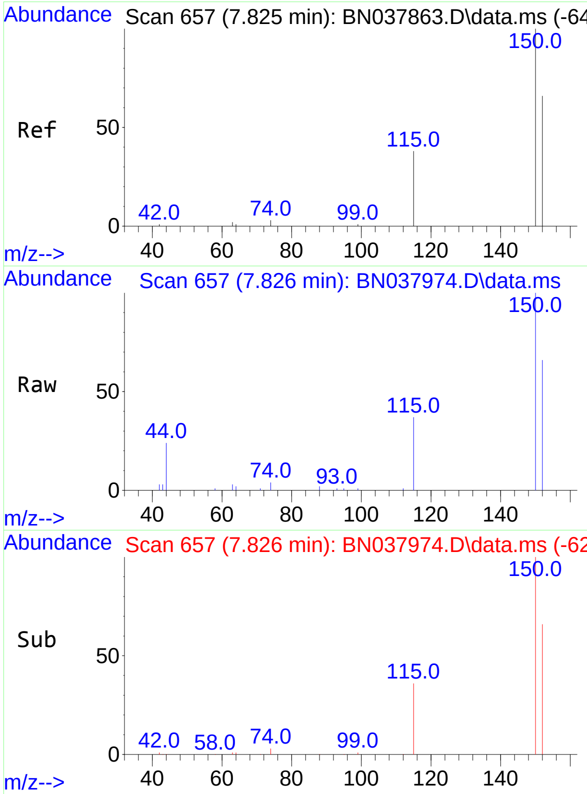
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN093025\
Data File : BN037974.D
Acq On : 01 Oct 2025 09:24
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Quant Time: Oct 01 10:36:55 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



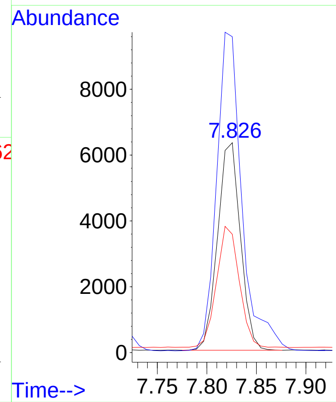
Instrument : BNA_N
ClientSampleId : SSTDCCC0.4EC

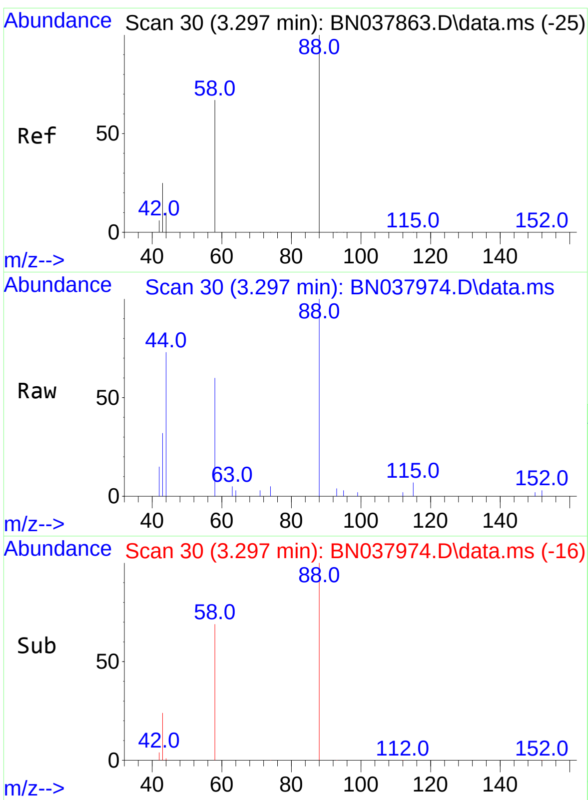


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.826 min Scan# 6
Delta R.T. 0.001 min
Lab File: BN037974.D
Acq: 01 Oct 2025 09:24

Tgt Ion:152 Resp: 10156

Ion	Ratio	Lower	Upper
152	100		
150	150.5	121.0	181.4
115	56.4	47.4	71.0

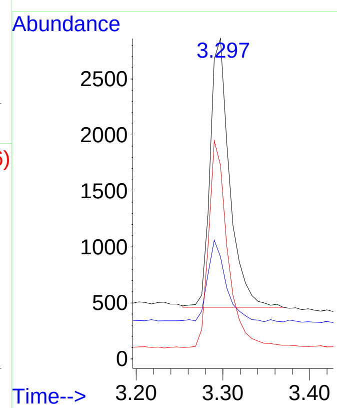




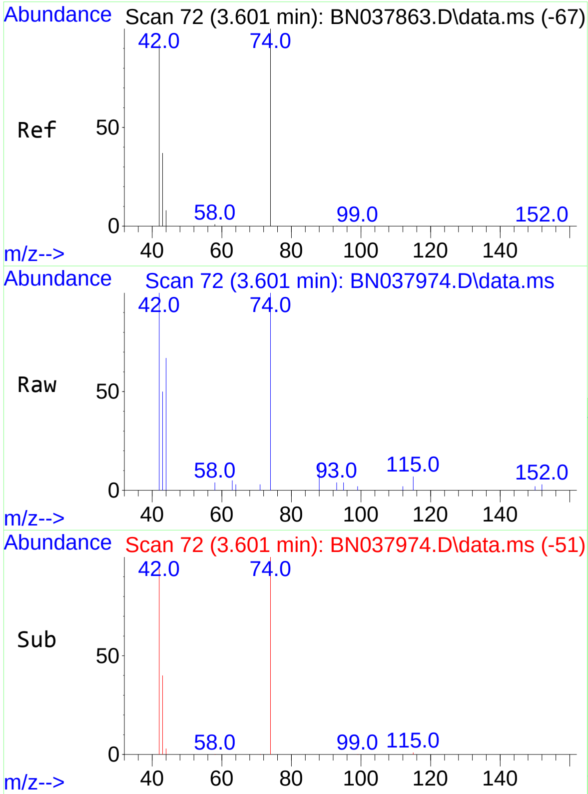
#2
1,4-Dioxane
Concen: 0.365 ng
RT: 3.297 min Scan# 30
Delta R.T. 0.000 min
Lab File: BN037974.D
Acq: 01 Oct 2025 09:24

Tgt Ion: 88 Resp: 3761

Ion	Ratio	Lower	Upper
88	100		
43	28.9	26.6	39.8
58	75.7	58.9	88.3



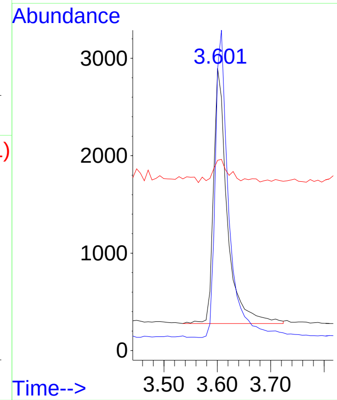
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

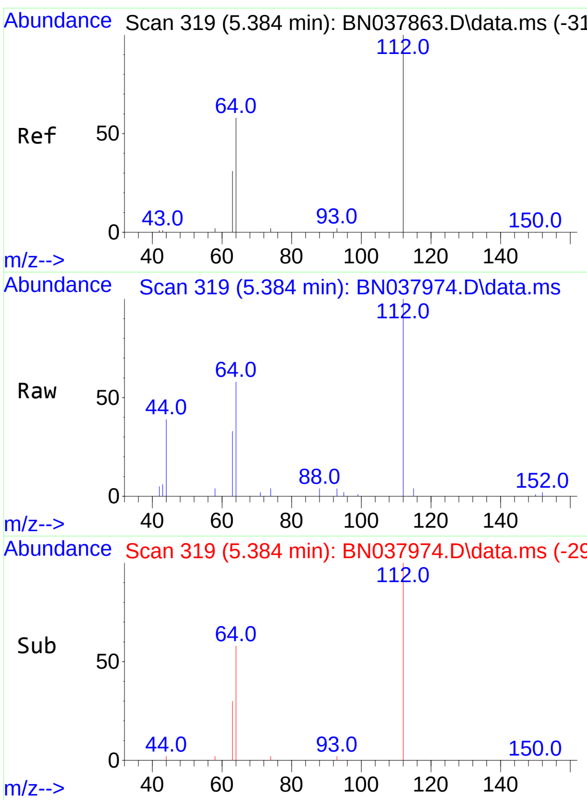


#3
n-Nitrosodimethylamine
Concen: 0.343 ng
RT: 3.601 min   Scan# 7
Delta R.T.   0.000 min
Lab File: BN037974.D
Acq: 01 Oct 2025   09:24

Tgt Ion: 42 Resp: 4703

Ion	Ratio	Lower	Upper
42	100		
74	119.0	93.4	140.0
44	10.3	22.2	33.4#

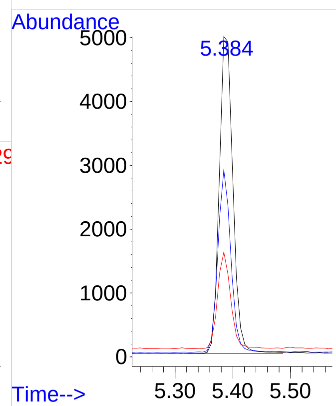




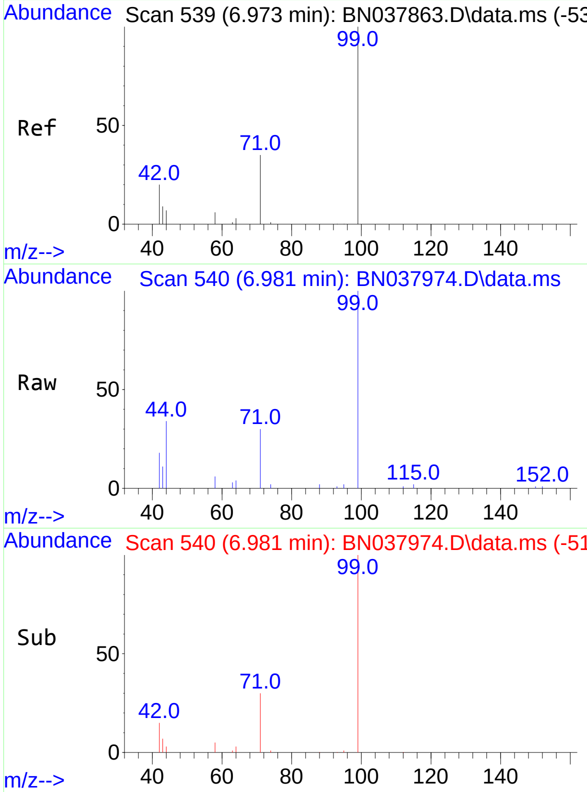
#4
2-Fluorophenol
Concen: 0.353 ng
RT: 5.384 min   Scan# 319
Delta R.T.   0.000 min
Lab File: BN037974.D
Acq: 01 Oct 2025   09:24

Tgt Ion:112 Resp: 8191

Ion	Ratio	Lower	Upper
112	100		
64	54.7	44.6	66.8
63	29.1	24.9	37.3



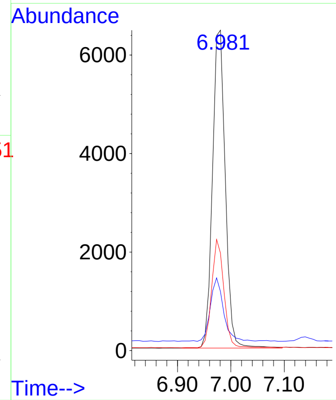
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

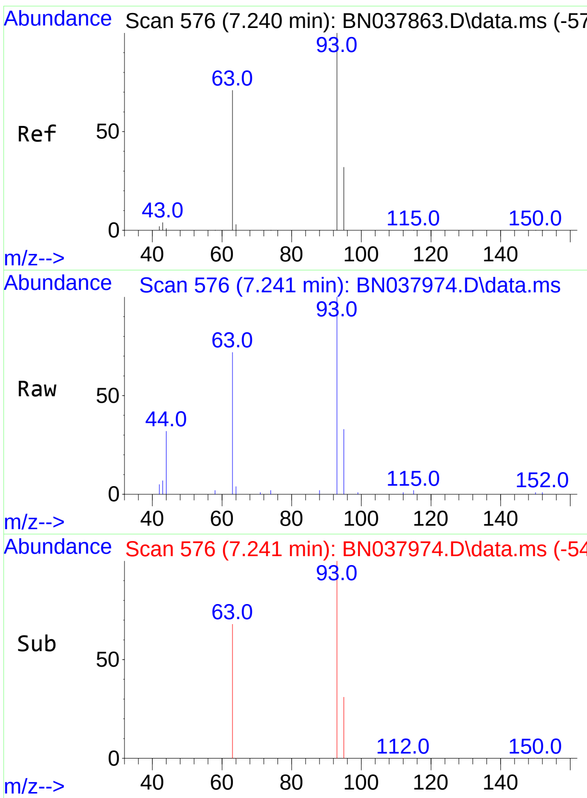


#5
Phenol-d6
Concen: 0.356 ng
RT: 6.981 min Scan# 54
Delta R.T. 0.007 min
Lab File: BN037974.D
Acq: 01 Oct 2025 09:24

Tgt Ion: 99 Resp: 10829

Ion	Ratio	Lower	Upper
99	100		
42	20.4	17.2	25.8
71	32.8	27.3	40.9

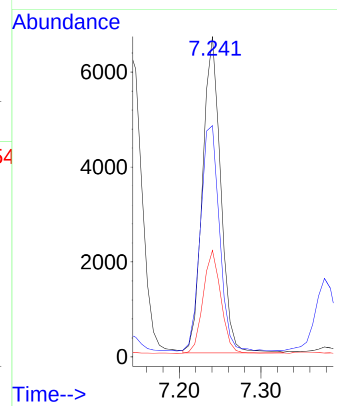




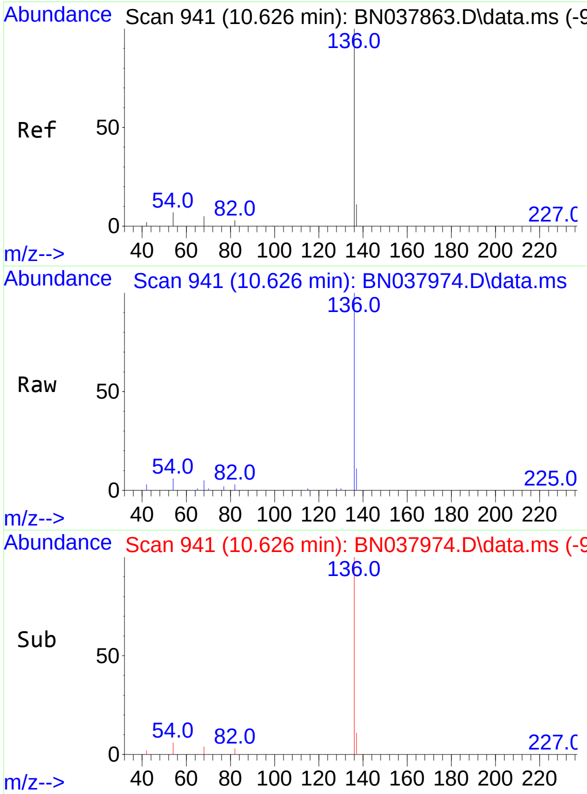
#6
bis(2-Chloroethyl)ether
Concen: 0.366 ng
RT: 7.241 min Scan# 576
Delta R.T. 0.000 min
Lab File: BN037974.D
Acq: 01 Oct 2025 09:24

Tgt Ion: 93 Resp: 10350

Ion	Ratio	Lower	Upper
93	100		
63	74.6	60.1	90.1
95	31.9	25.4	38.2



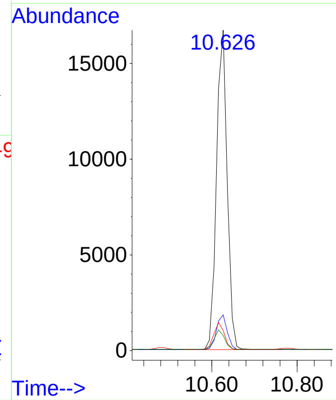
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

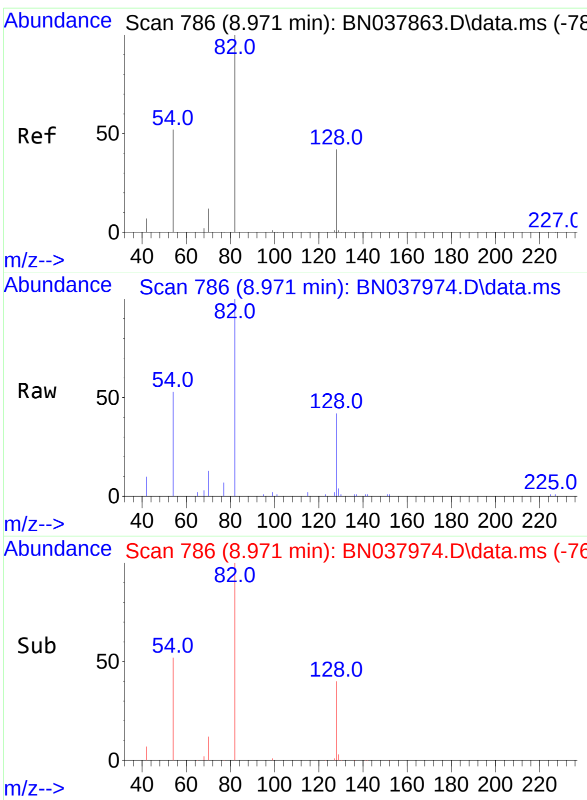


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.626 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN037974.D
Acq: 01 Oct 2025 09:24

Tgt Ion:136 Resp: 28991

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	6.3	5.8	8.8
68	4.7	4.3	6.5

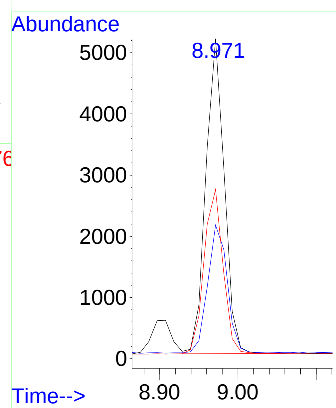




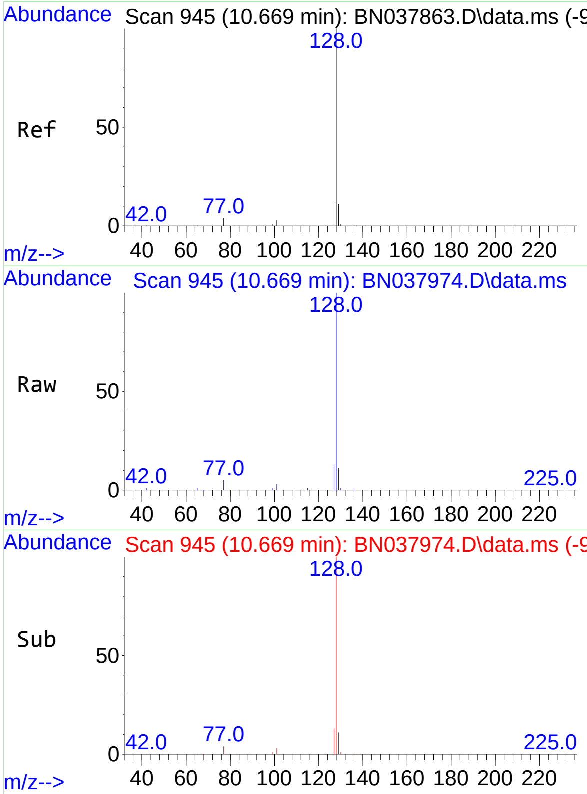
#8
Nitrobenzene-d5
Concen: 0.384 ng
RT: 8.971 min Scan# 786
Delta R.T. 0.000 min
Lab File: BN037974.D
Acq: 01 Oct 2025 09:24

Tgt Ion: 82 Resp: 8488

Ion	Ratio	Lower	Upper
82	100		
128	41.7	34.8	52.2
54	52.8	42.2	63.2



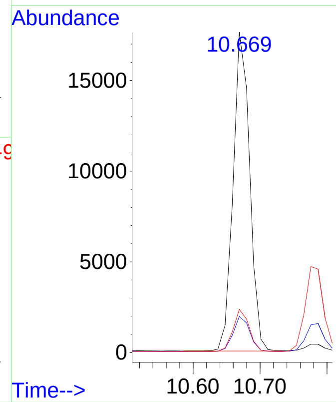
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

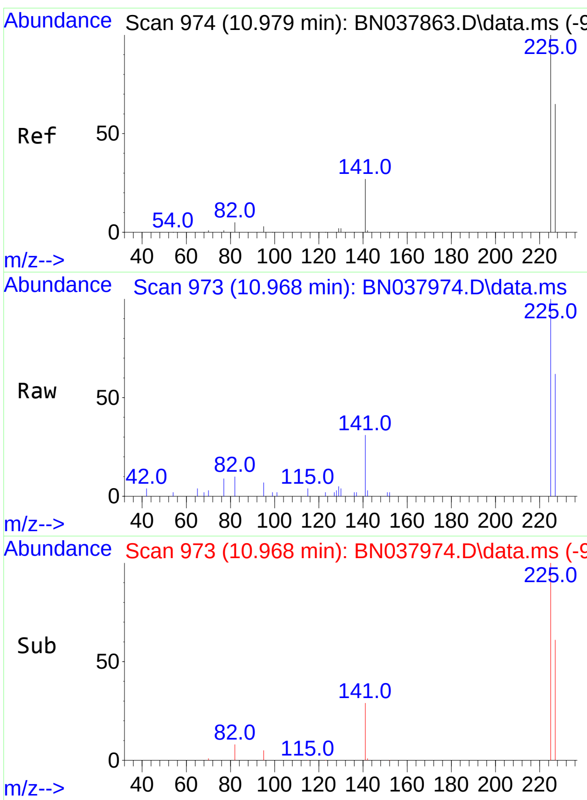


#9
Naphthalene
Concen: 0.378 ng
RT: 10.669 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN037974.D
Acq: 01 Oct 2025 09:24

Tgt Ion:128 Resp: 30214

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.2	13.8
127	13.5	11.0	16.6

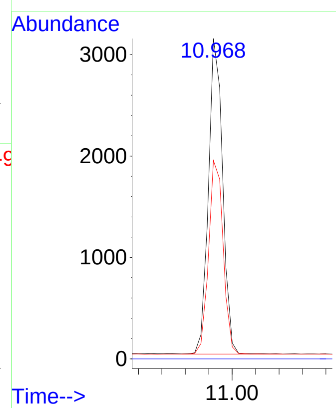




#10
Hexachlorobutadiene
Concen: 0.386 ng
RT: 10.968 min Scan# 973
Delta R.T. -0.011 min
Lab File: BN037974.D
Acq: 01 Oct 2025 09:24

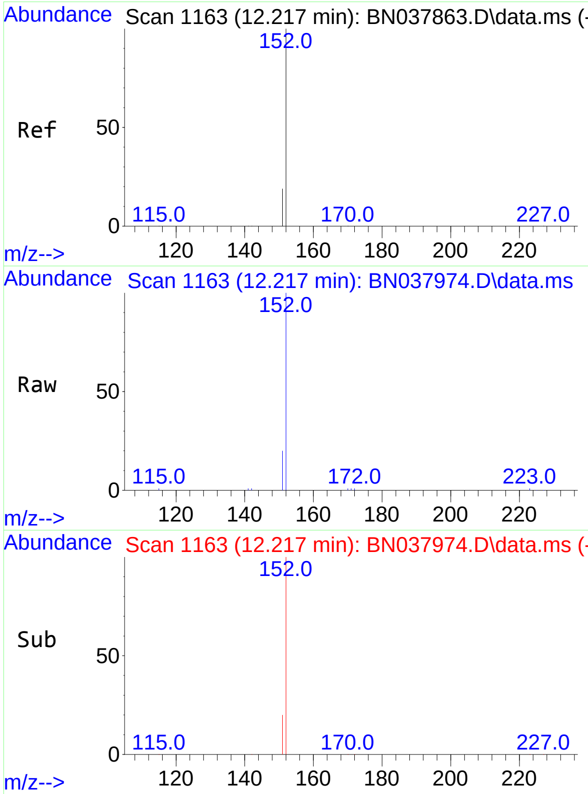
Tgt Ion:225 Resp: 5254

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	62.7	51.4	77.2



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

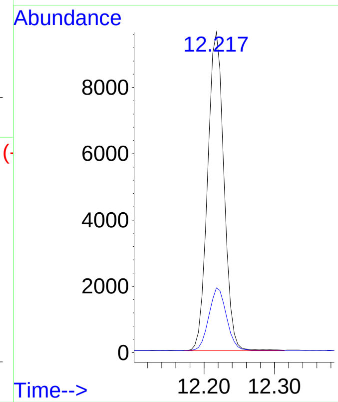
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

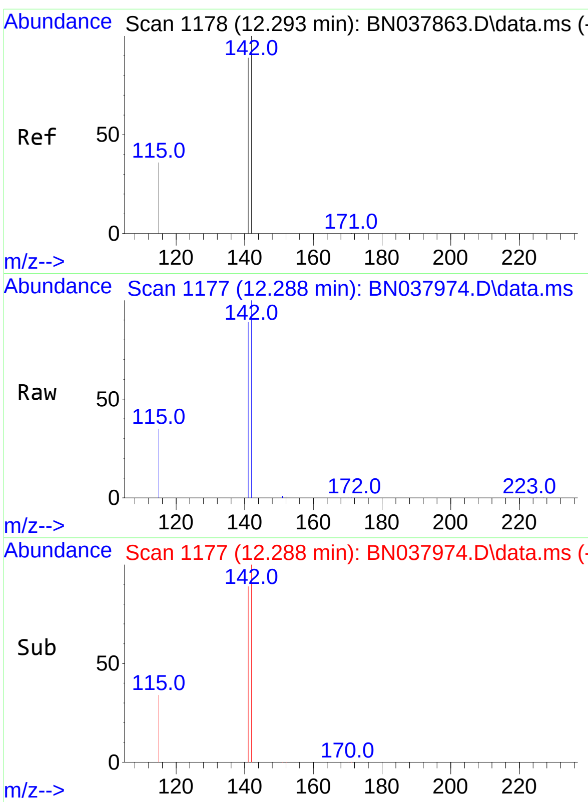


#11
2-Methylnaphthalene-d10
Concen: 0.383 ng
RT: 12.217 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037974.D
Acq: 01 Oct 2025 09:24

Tgt Ion:152 Resp: 15439

Ion	Ratio	Lower	Upper
152	100		
151	21.2	17.4	26.2

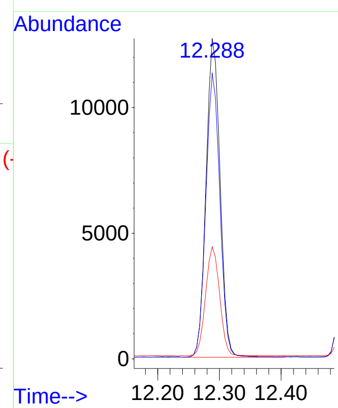




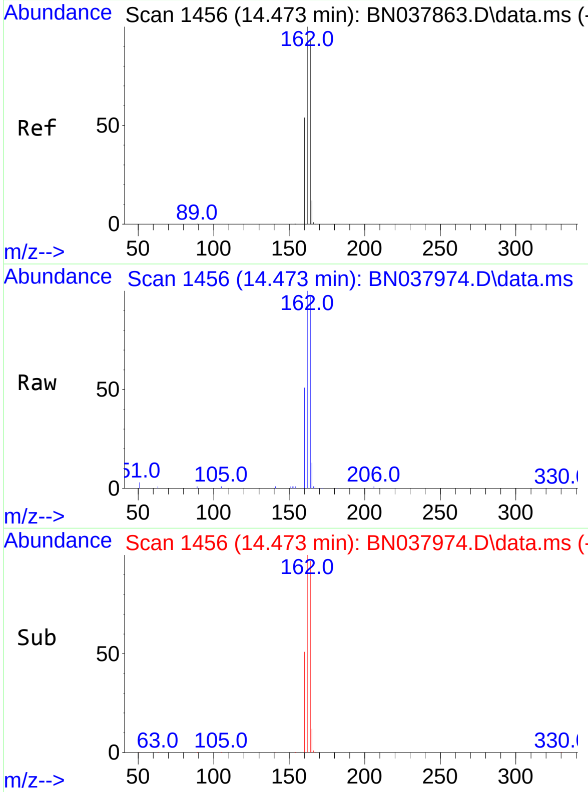
#12
2-Methylnaphthalene
Concen: 0.385 ng
RT: 12.288 min Scan# 1177
Delta R.T. -0.005 min
Lab File: BN037974.D
Acq: 01 Oct 2025 09:24

Tgt Ion:142 Resp: 20111

Ion	Ratio	Lower	Upper
142	100		
141	89.1	71.2	106.8
115	35.0	29.7	44.5



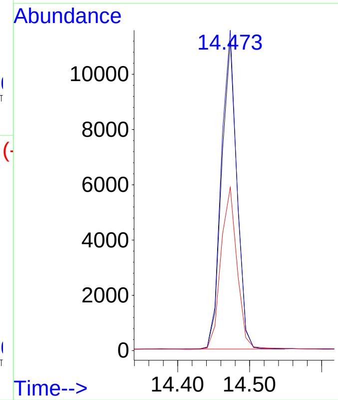
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

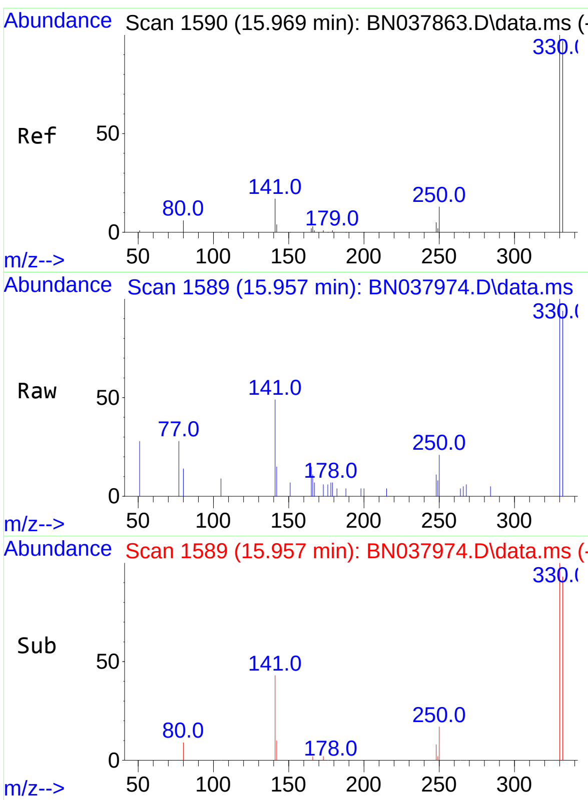


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.473 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037974.D
Acq: 01 Oct 2025 09:24

Tgt Ion:164 Resp: 16497

Ion	Ratio	Lower	Upper
164	100		
162	103.4	84.8	127.2
160	52.6	46.1	69.1

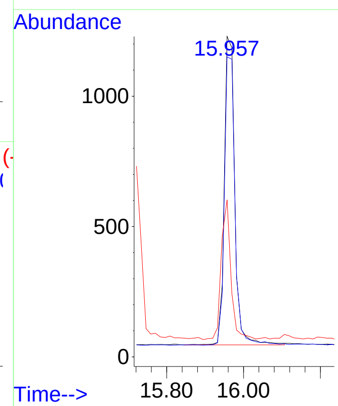




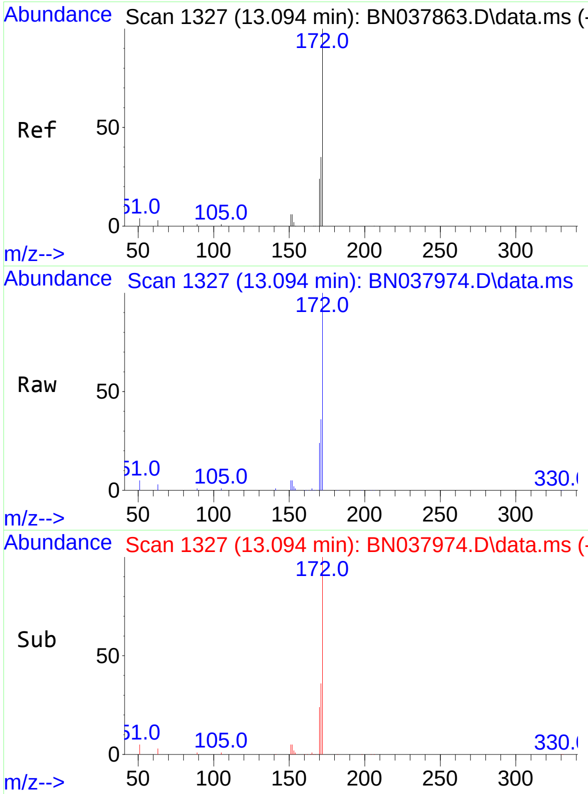
#14
2,4,6-Tribromophenol
Concen: 0.358 ng
RT: 15.957 min Scan# 1589
Delta R.T. -0.012 min
Lab File: BN037974.D
Acq: 01 Oct 2025 09:24

Tgt Ion:330 Resp: 2242

Ion	Ratio	Lower	Upper
330	100		
332	94.5	77.2	115.8
141	41.8	37.2	55.8



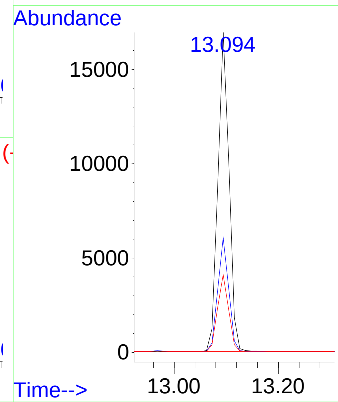
Instrument : BNA_N
ClientSampleId : SSTDCCC0.4EC

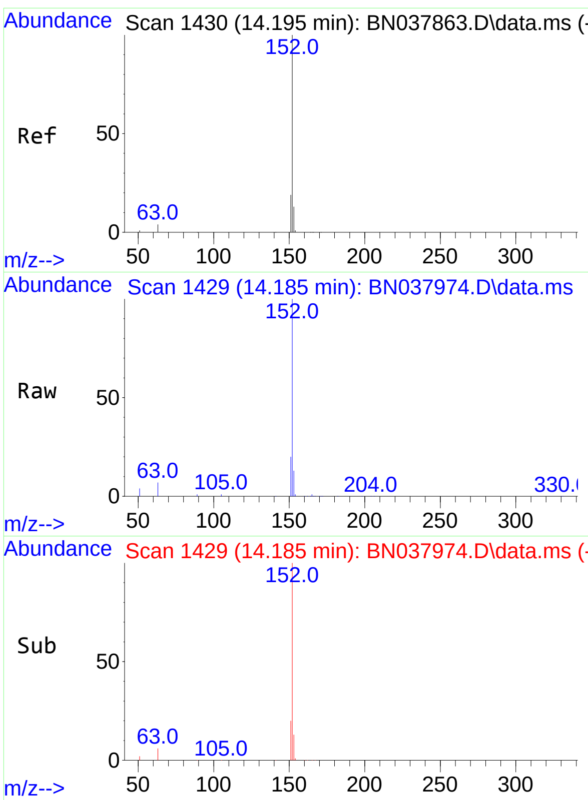


#15
2-Fluorobiphenyl
Concen: 0.370 ng
RT: 13.094 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037974.D
Acq: 01 Oct 2025 09:24

Tgt Ion:172 Resp: 24989

Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.6	43.0
170	24.3	19.7	29.5

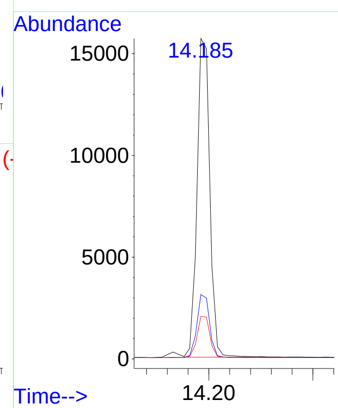




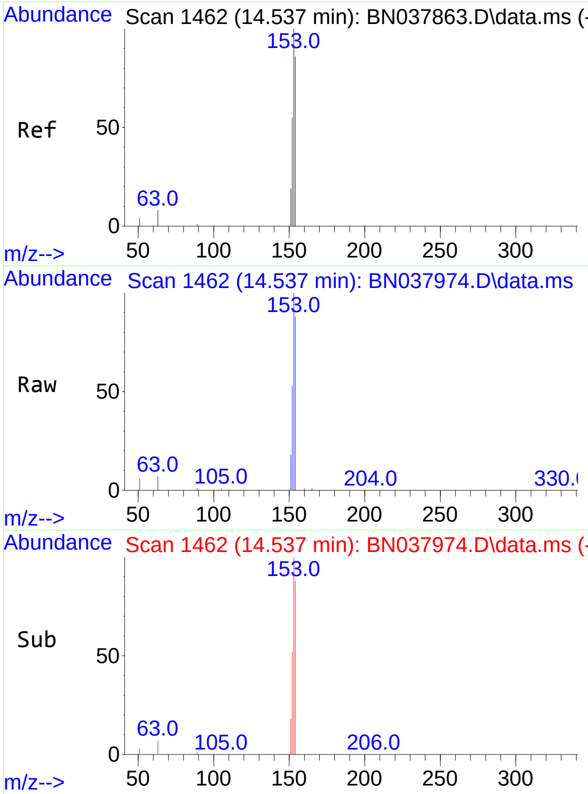
#16
Acenaphthylene
Concen: 0.355 ng
RT: 14.185 min Scan# 1429
Delta R.T. -0.011 min
Lab File: BN037974.D
Acq: 01 Oct 2025 09:24

Tgt Ion:152 Resp: 26590

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.8	23.8
153	13.3	10.5	15.7



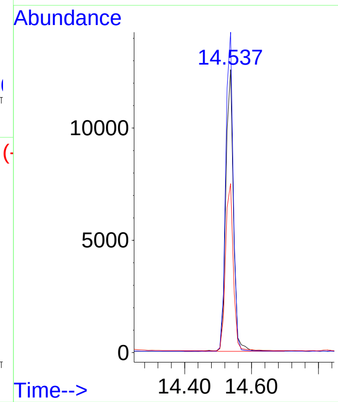
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

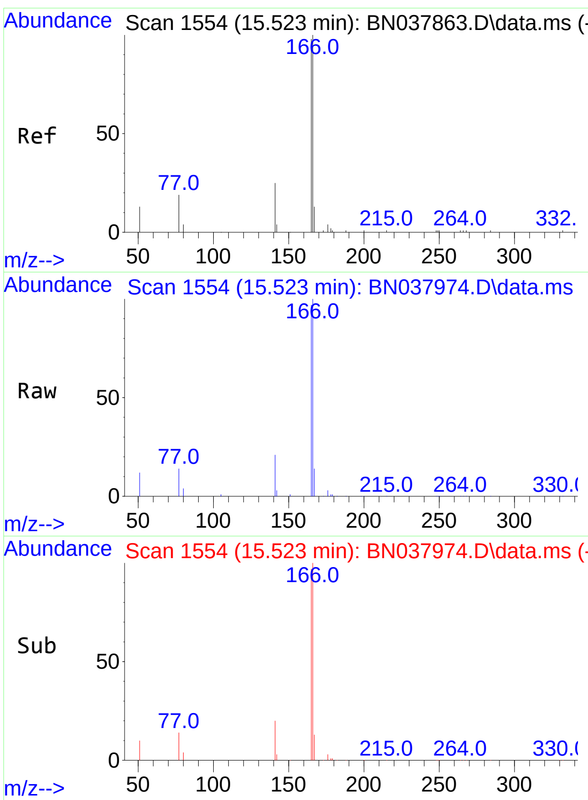


#17
Acenaphthene
Concen: 0.370 ng
RT: 14.537 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037974.D
Acq: 01 Oct 2025 09:24

Tgt Ion:154 Resp: 19735

Ion	Ratio	Lower	Upper
154	100		
153	111.8	90.5	135.7
152	61.3	51.8	77.8

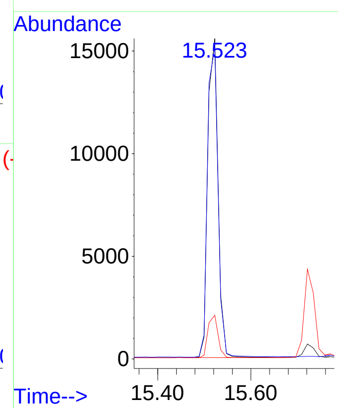




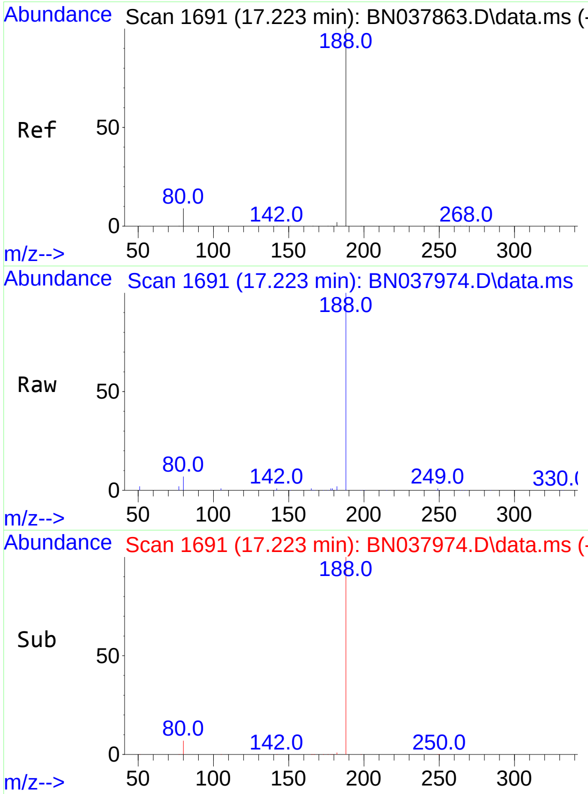
#18
Fluorene
Concen: 0.367 ng
RT: 15.523 min Scan# 1554
Delta R.T. 0.000 min
Lab File: BN037974.D
Acq: 01 Oct 2025 09:24

Tgt Ion:166 Resp: 23699

Ion	Ratio	Lower	Upper
166	100		
165	100.0	79.0	118.4
167	12.9	10.6	16.0



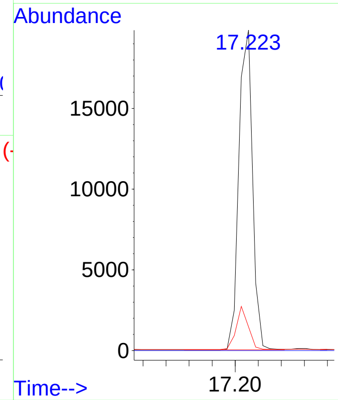
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

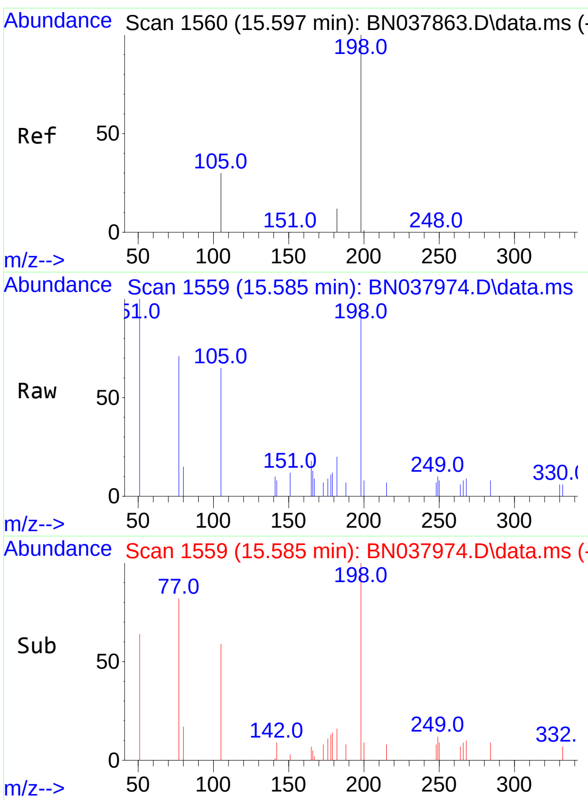


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.223 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN037974.D
Acq: 01 Oct 2025 09:24

Tgt Ion:188 Resp: 32604

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.5	7.6	11.4#

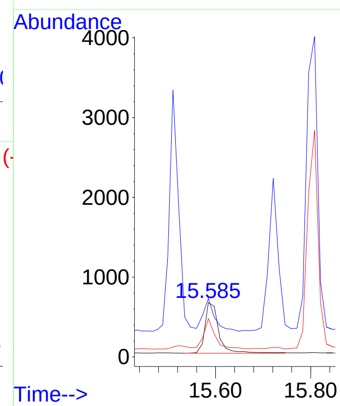




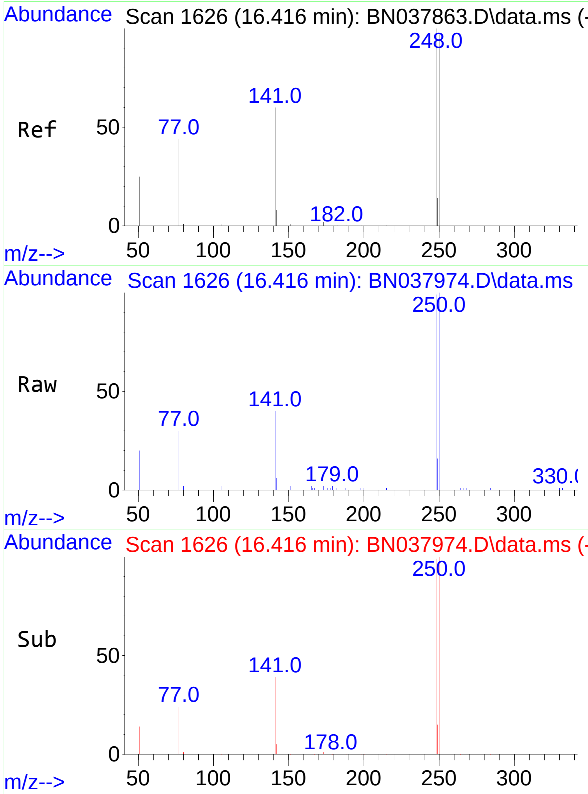
#20
4,6-Dinitro-2-methylphenol
Concen: 0.371 ng
RT: 15.585 min Scan# 1559
Delta R.T. -0.012 min
Lab File: BN037974.D
Acq: 01 Oct 2025 09:24

Tgt Ion:198 Resp: 1270

Ion	Ratio	Lower	Upper
198	100		
51	107.3	59.1	88.7#
105	70.1	41.3	61.9#



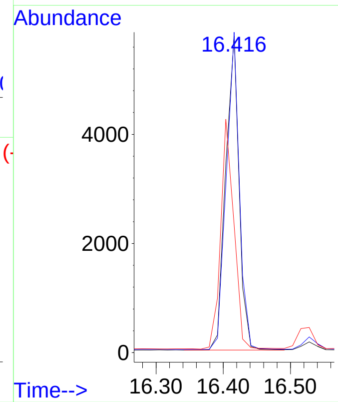
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

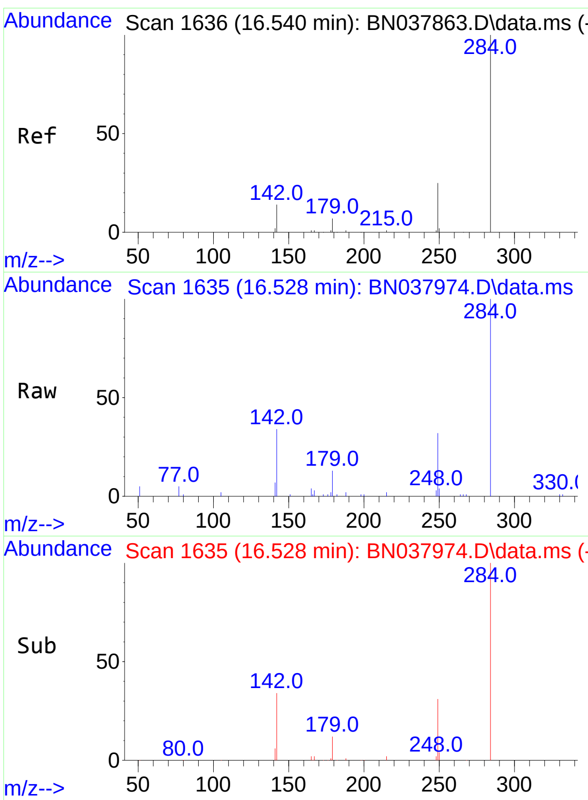


#21
4-Bromophenyl-phenylether
Concen: 0.375 ng
RT: 16.416 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037974.D
Acq: 01 Oct 2025 09:24

Tgt Ion:248 Resp: 7976

Ion	Ratio	Lower	Upper
248	100		
250	101.2	77.6	116.4
141	40.4	48.8	73.2#

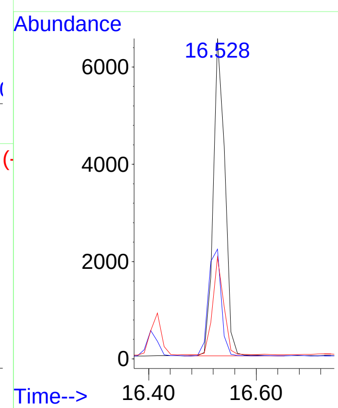




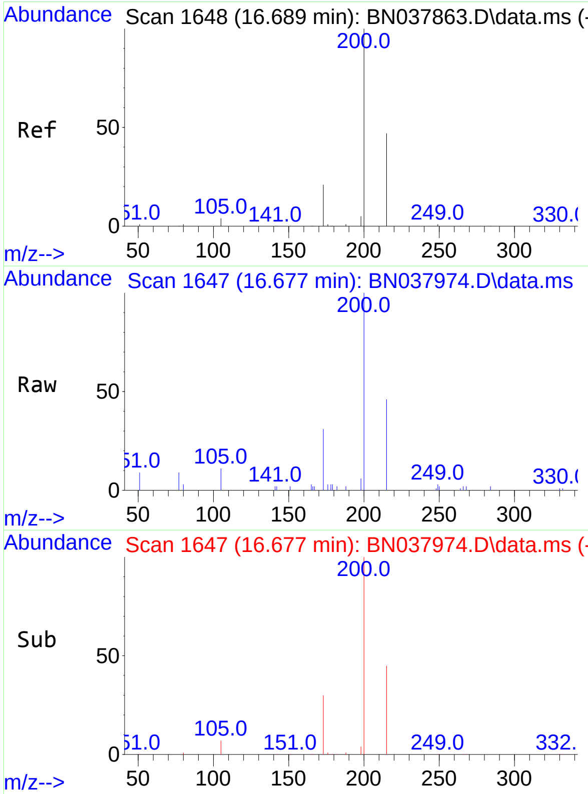
#22
Hexachlorobenzene
Concen: 0.379 ng
RT: 16.528 min Scan# 1635
Delta R.T. -0.012 min
Lab File: BN037974.D
Acq: 01 Oct 2025 09:24

Tgt Ion:284 Resp: 9764

Ion	Ratio	Lower	Upper
284	100		
142	37.3	30.9	46.3
249	29.3	23.9	35.9



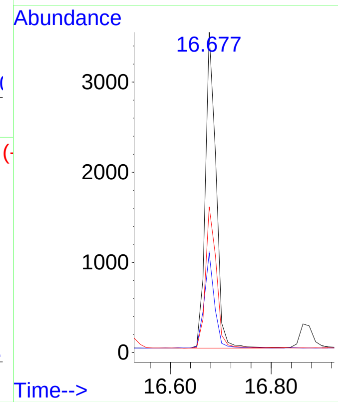
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

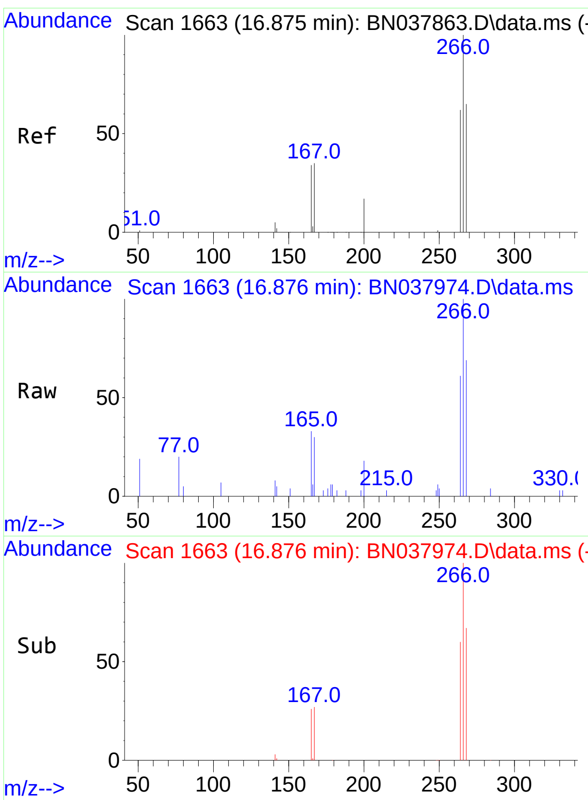


#23
Atrazine
Concen: 0.319 ng
RT: 16.677 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037974.D
Acq: 01 Oct 2025 09:24

Tgt Ion:200 Resp: 5162

Ion	Ratio	Lower	Upper
200	100		
173	31.2	18.3	27.5#
215	45.6	38.6	58.0

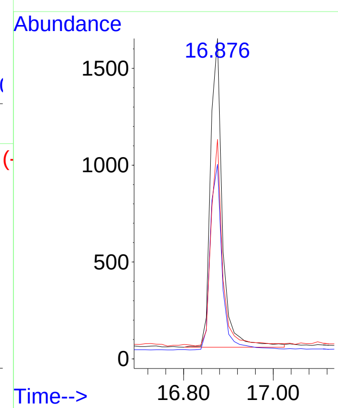




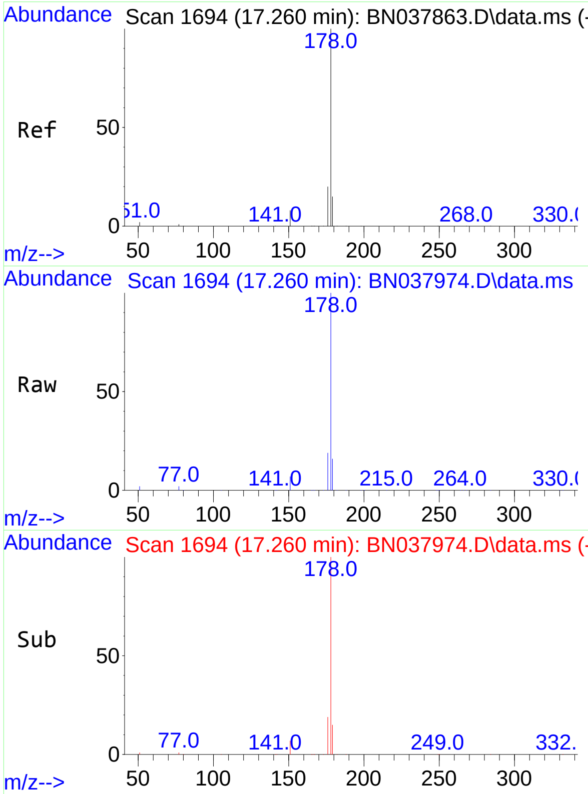
#24
Pentachlorophenol
Concen: 0.330 ng
RT: 16.876 min Scan# 1663
Delta R.T. 0.001 min
Lab File: BN037974.D
Acq: 01 Oct 2025 09:24

Tgt Ion:266 Resp: 2920

Ion	Ratio	Lower	Upper
266	100		
264	61.0	50.9	76.3
268	63.4	54.3	81.5



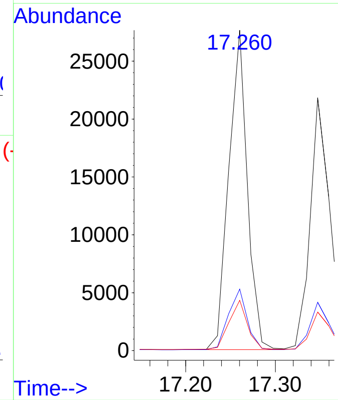
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

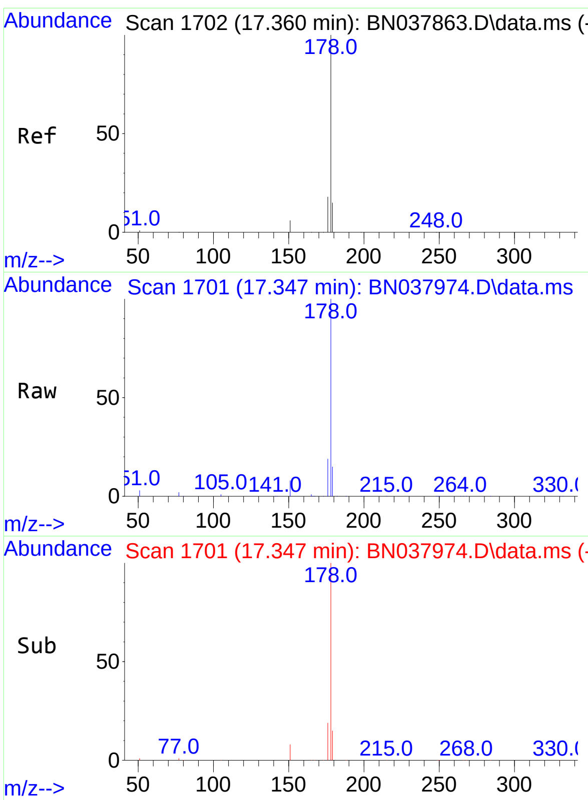


#25
Phenanthrene
Concen: 0.371 ng
RT: 17.260 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037974.D
Acq: 01 Oct 2025 09:24

Tgt Ion:178 Resp: 39811

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.7	23.5
179	15.4	12.3	18.5

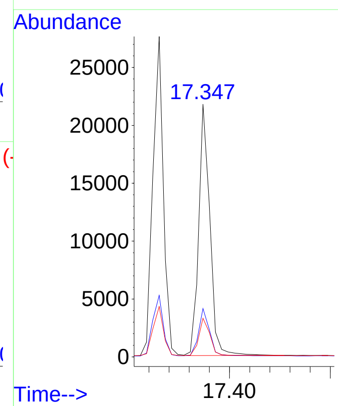




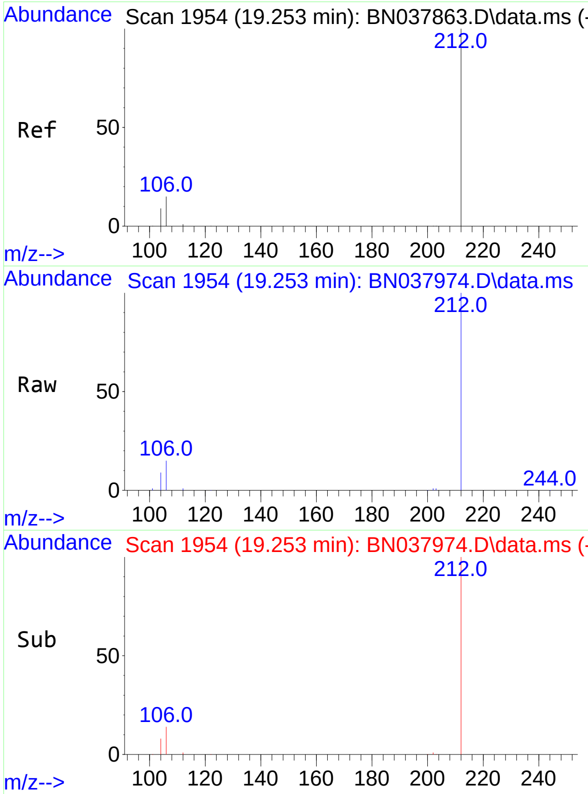
#26
Anthracene
Concen: 0.359 ng
RT: 17.347 min Scan# 1701
Delta R.T. -0.012 min
Lab File: BN037974.D
Acq: 01 Oct 2025 09:24

Tgt Ion:178 Resp: 33437

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.0	22.4
179	15.1	12.3	18.5



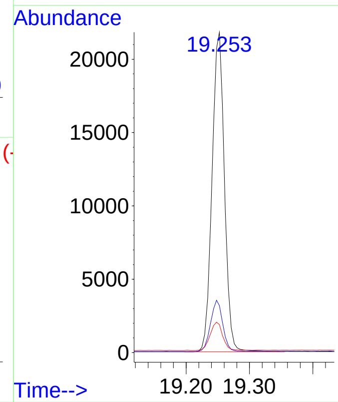
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

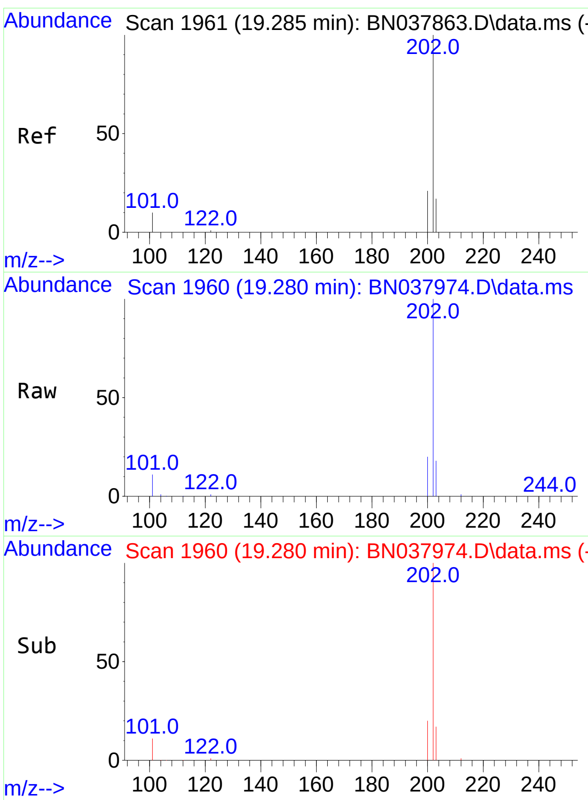


#27
Fluoranthene-d10
Concen: 0.362 ng
RT: 19.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037974.D
Acq: 01 Oct 2025 09:24

Tgt Ion:212 Resp: 29664

Ion	Ratio	Lower	Upper
212	100		
106	15.8	12.6	19.0
104	9.1	7.4	11.0

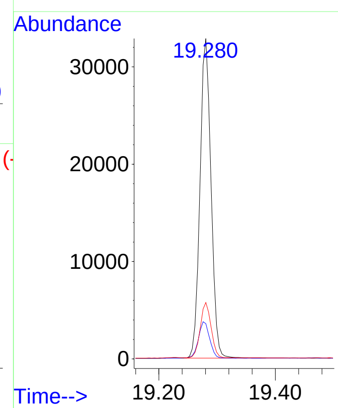




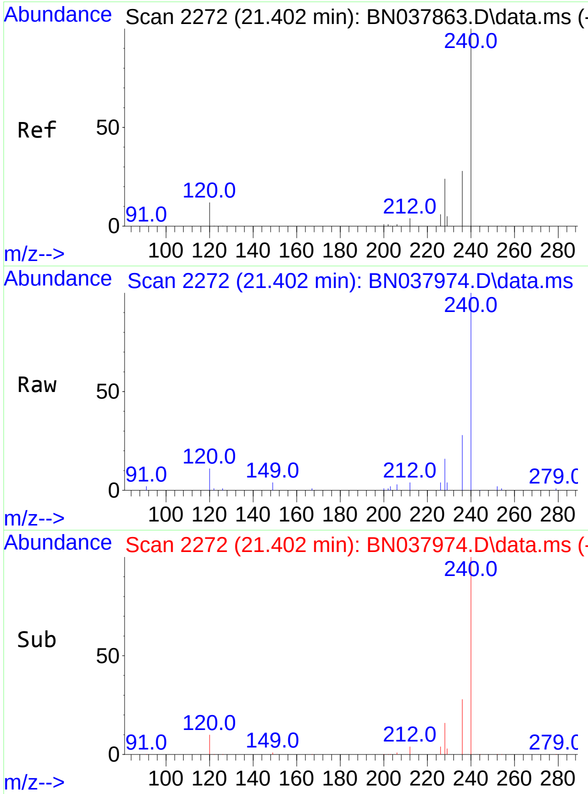
#28
Fluoranthene
Concen: 0.365 ng
RT: 19.280 min Scan# 1960
Delta R.T. -0.005 min
Lab File: BN037974.D
Acq: 01 Oct 2025 09:24

Tgt Ion:202 Resp: 43147

Ion	Ratio	Lower	Upper
202	100		
101	11.8	9.3	13.9
203	17.0	13.6	20.4



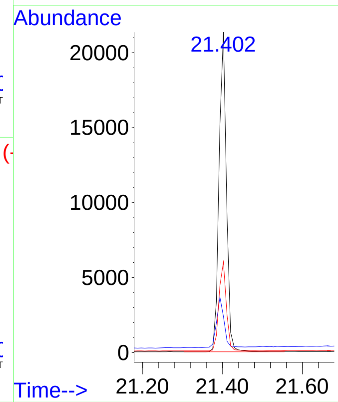
Instrument : BNA_N
ClientSampleId : SSTDCCC0.4EC

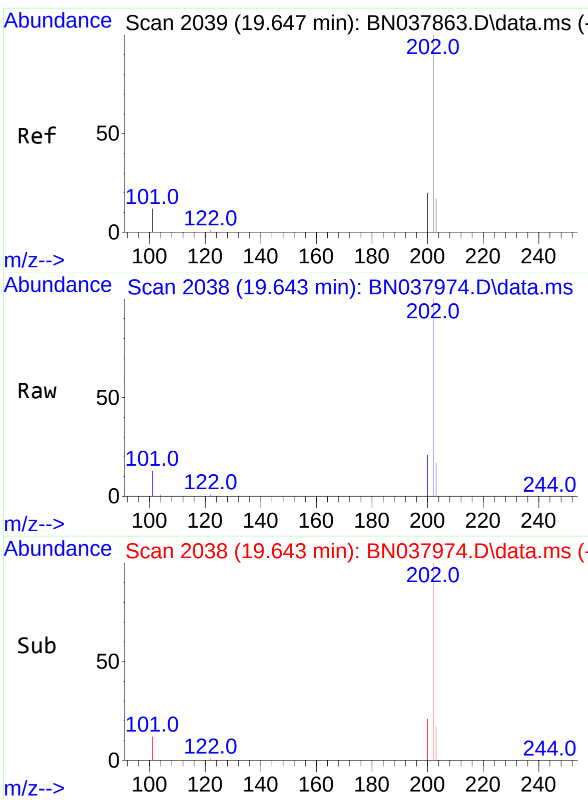


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.402 min Scan# 2272
Delta R.T. 0.000 min
Lab File: BN037974.D
Acq: 01 Oct 2025 09:24

Tgt Ion:240 Resp: 27456

Ion	Ratio	Lower	Upper
240	100		
120	11.3	11.4	17.2#
236	28.3	23.0	34.6

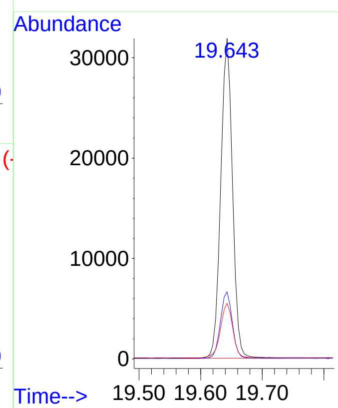




#30
Pyrene
Concen: 0.390 ng
RT: 19.643 min Scan# 2038
Delta R.T. -0.005 min
Lab File: BN037974.D
Acq: 01 Oct 2025 09:24

Tgt Ion:202 Resp: 42249

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.7	25.1
203	17.7	14.2	21.4



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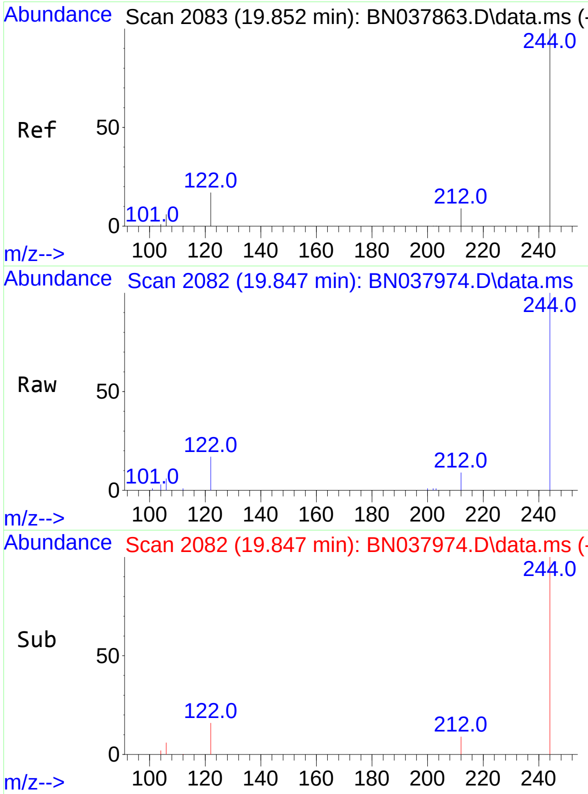
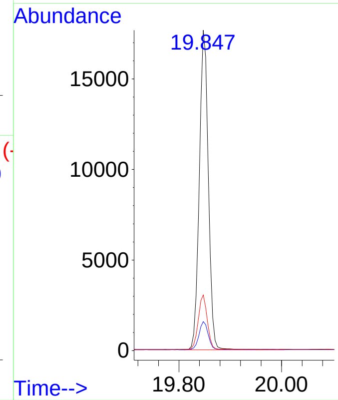
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

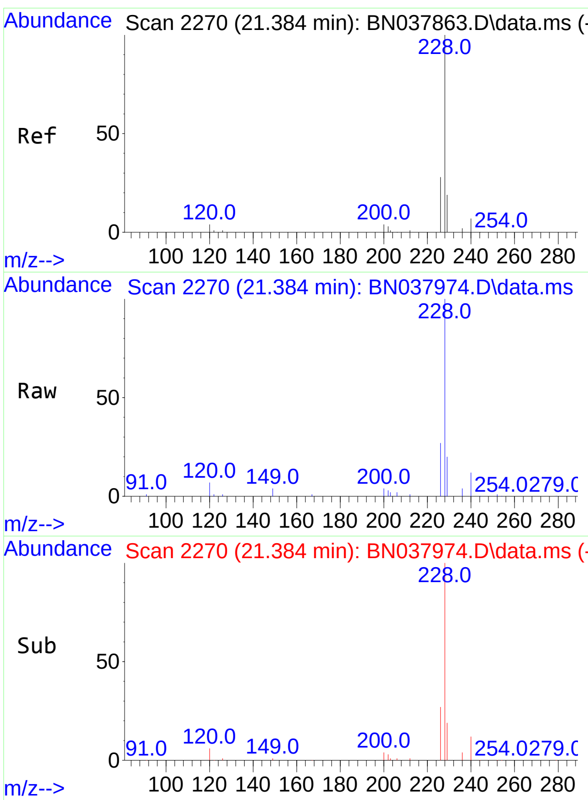


#31
Terphenyl-d14
Concen: 0.397 ng
RT: 19.847 min Scan# 20
Delta R.T. -0.005 min
Lab File: BN037974.D
Acq: 01 Oct 2025 09:24

Tgt Ion:244 Resp: 21686

Ion	Ratio	Lower	Upper
244	100		
212	9.1	7.6	11.4
122	17.4	13.9	20.9

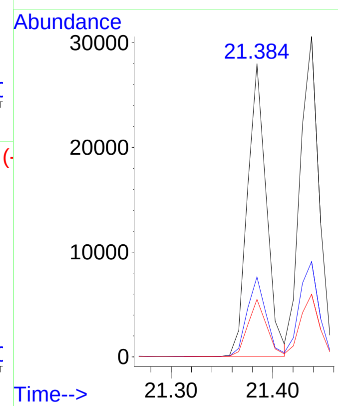




#32
Benzo(a)anthracene
Concen: 0.374 ng
RT: 21.384 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BN037974.D
Acq: 01 Oct 2025 09:24

Tgt Ion:228 Resp: 35923

Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.6	33.8
229	19.6	15.6	23.4



Instrument :
BNA_N
ClientSampleId :
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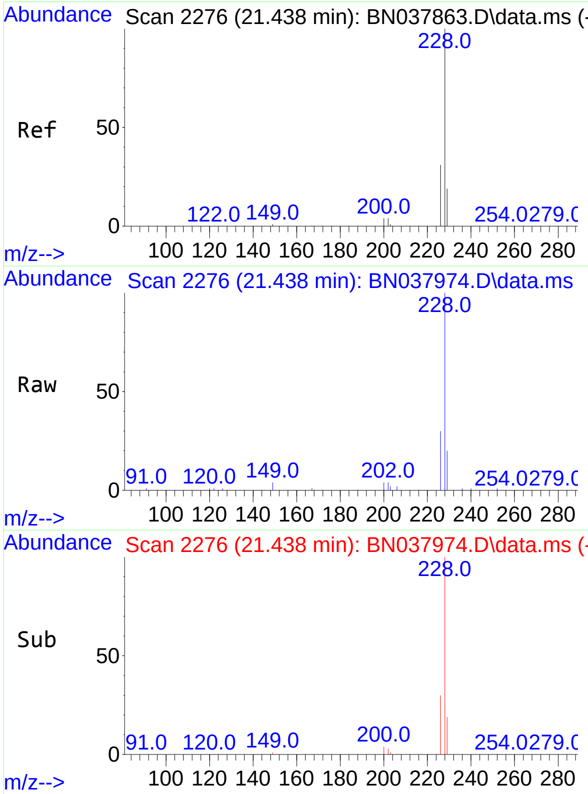
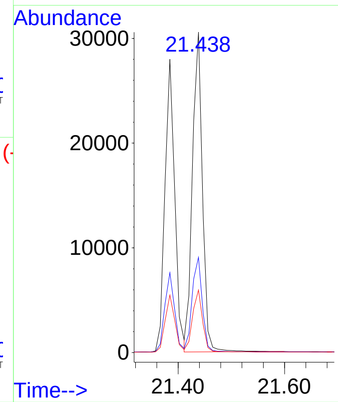
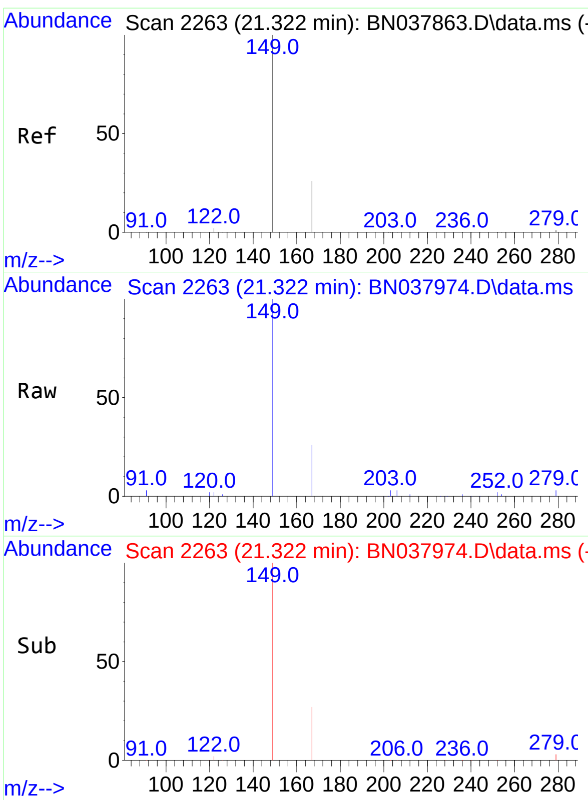


#33
Chrysene
Concen: 0.384 ng
RT: 21.438 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037974.D
Acq: 01 Oct 2025 09:24

Tgt Ion:228 Resp: 39880

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.6	37.0
229	19.5	15.6	23.4

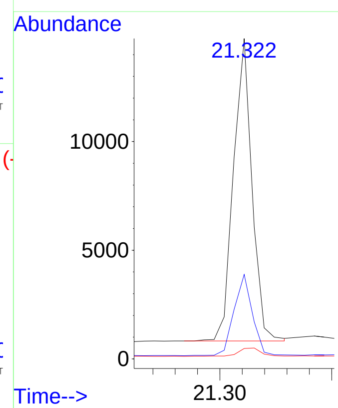




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.421 ng
RT: 21.322 min Scan# 2263
Delta R.T. 0.000 min
Lab File: BN037974.D
Acq: 01 Oct 2025 09:24

Tgt Ion:149 Resp: 15979

Ion	Ratio	Lower	Upper
149	100		
167	27.0	20.4	30.6
279	3.4	2.4	3.6



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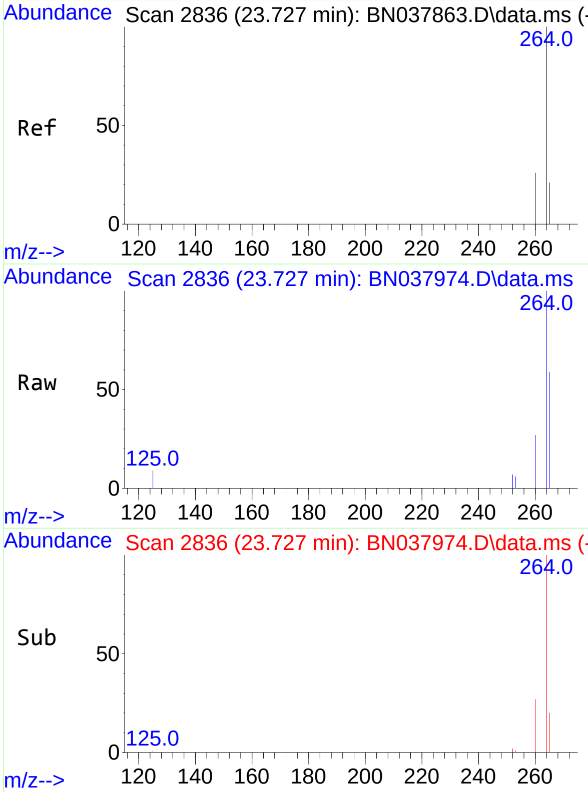
Instrument : BNA_N
ClientSampleId : SSTDCCC0.4EC

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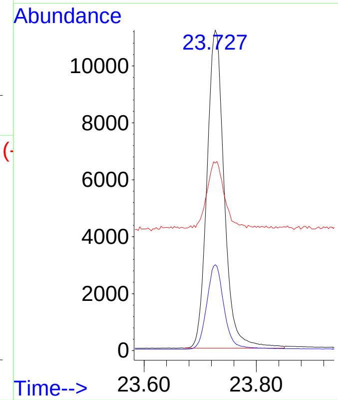
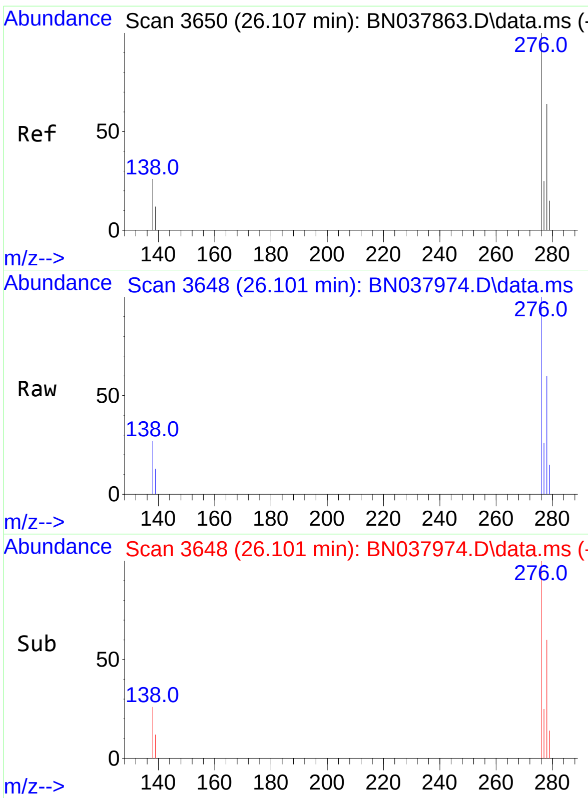
#35
Perylene-d12
Concen:    0.400 ng
RT:  23.727 min  Scan# 2
Delta R.T.  0.000 min
Lab File:   BN037974.D
Acq: 01 Oct 2025  09:24

Tgt Ion:264 Resp:   23881
Ion  Ratio  Lower  Upper
264  100
260   26.8   21.5   32.3
265   58.5   53.8   80.6
```



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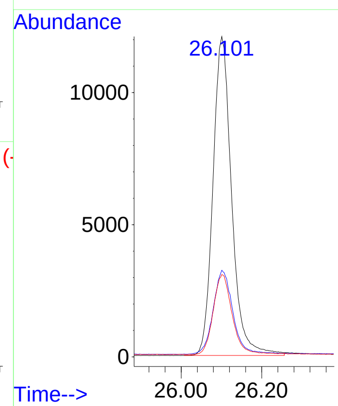
#36
Indeno(1,2,3-cd)pyrene
Concen:    0.357 ng
RT:  26.101 min  Scan# 3648
Delta R.T.  -0.006 min
Lab File:   BN037974.D
Acq: 01 Oct 2025  09:24

Tgt Ion:276 Resp:   38926
Ion  Ratio  Lower  Upper
276  100
138   27.6   21.4   32.0
277   25.2   20.3   30.5
```



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

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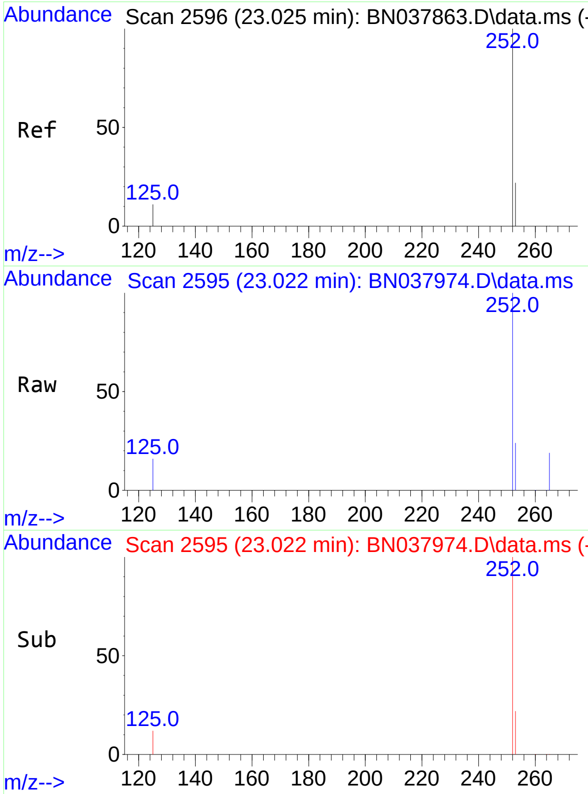
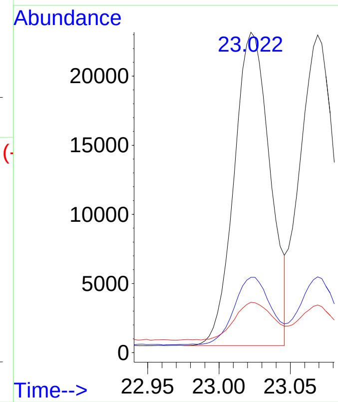
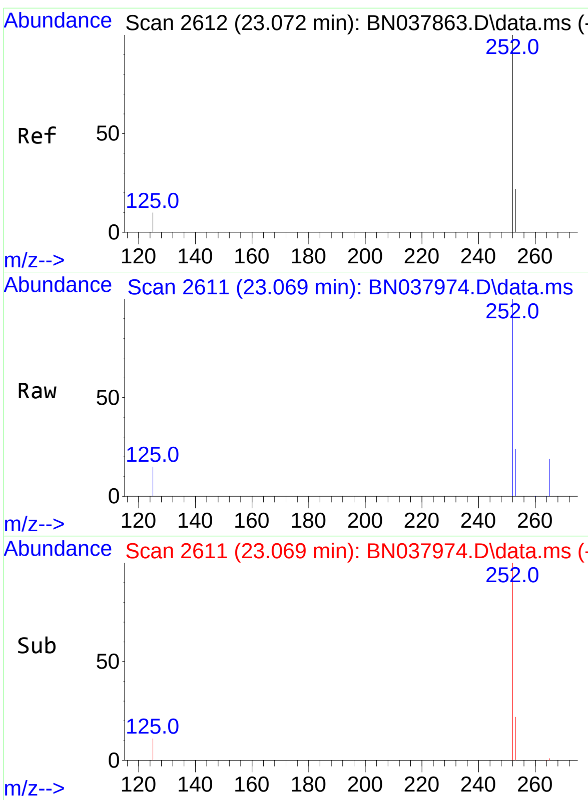


#37
Benzo(b)fluoranthene
Concen: 0.386 ng
RT: 23.022 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN037974.D
Acq: 01 Oct 2025 09:24

Tgt Ion:252 Resp: 39722

Ion	Ratio	Lower	Upper
252	100		
253	23.5	19.4	29.0
125	15.7	13.0	19.4

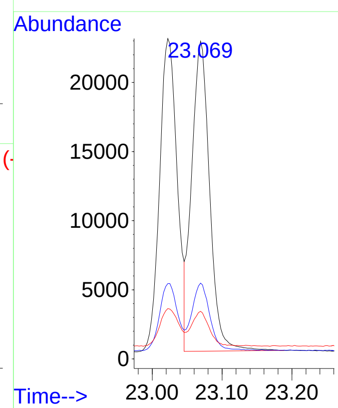




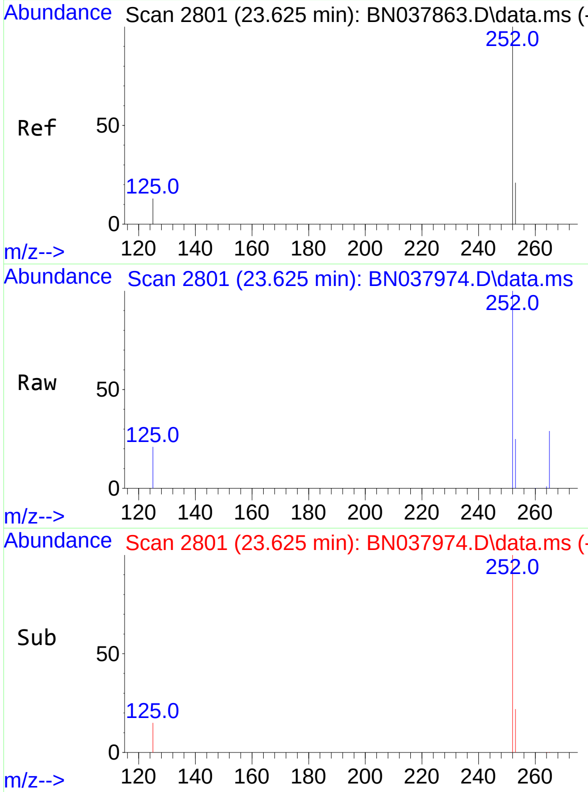
#38
Benzo(k)fluoranthene
Concen: 0.388 ng
RT: 23.069 min Scan# 2611
Delta R.T. -0.003 min
Lab File: BN037974.D
Acq: 01 Oct 2025 09:24

Tgt Ion:252 Resp: 40172

Ion	Ratio	Lower	Upper
252	100		
253	23.8	19.5	29.3
125	15.0	13.0	19.4



Instrument : BNA_N
ClientSampleId : SSTDCCC0.4EC

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#39
Benzo(a)pyrene
Concen:    0.372 ng
RT:  23.625 min  Scan# 2
Delta R.T.  0.000 min
Lab File:   BN037974.D
Acq: 01 Oct 2025  09:24

Tgt Ion:252 Resp:   30290
Ion  Ratio  Lower  Upper
252  100
253   25.1   20.6   30.8
125   21.2   16.7   25.1
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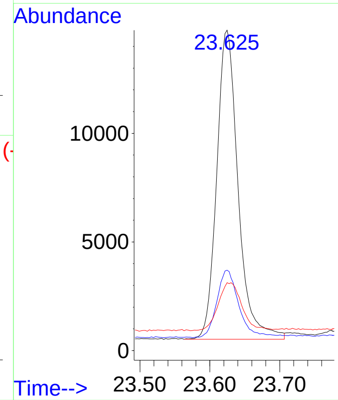

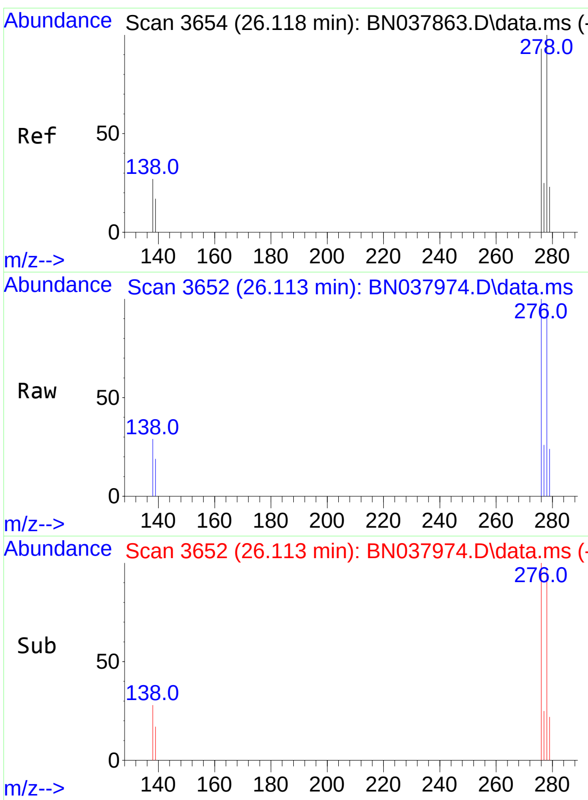


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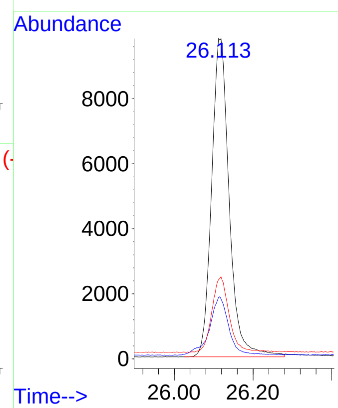
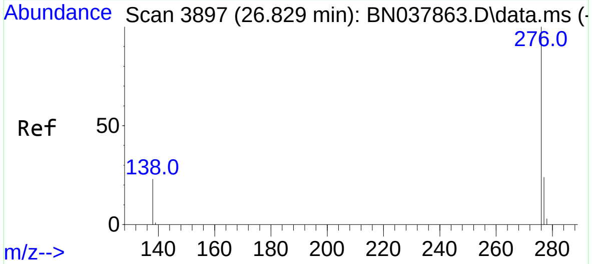
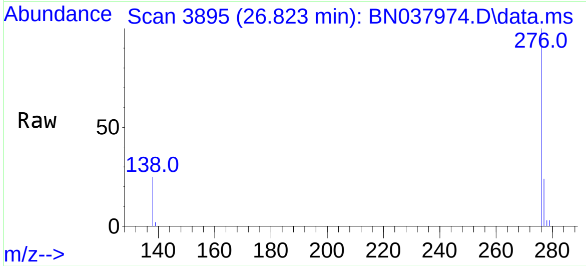
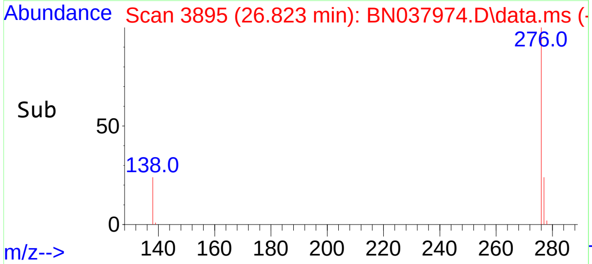
#40
Dibenzo(a,h)anthracene
Concen:    0.357 ng
RT:  26.113 min  Scan# 3652
Delta R.T.  -0.006 min
Lab File:   BN037974.D
Acq: 01 Oct 2025  09:24

Tgt Ion:278 Resp:   30454
Ion  Ratio  Lower  Upper
278  100
139   19.3   15.4   23.2
279   24.8   20.8   31.2
```







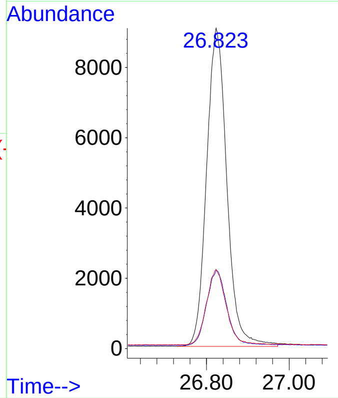


#41
Benzo(g,h,i)perylene
Concen: 0.344 ng
RT: 26.823 min Scan# 3
Delta R.T. -0.006 min
Lab File: BN037974.D
Acq: 01 Oct 2025 09:24

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 30831

Ion	Ratio	Lower	Upper
276	100		
277	24.5	20.2	30.4
138	24.7	19.8	29.8



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN093025\
Data File : BN037974.D
Acq On : 01 Oct 2025 09:24
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Quant Time: Oct 01 10:36:55 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%

#	Type	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	182#	0.00
2		1,4-Dioxane	0.406	0.370	8.9	164#	0.00
3		n-Nitrosodimethylamine	0.540	0.463	14.3	163#	0.00
4	S	2-Fluorophenol	0.913	0.807	11.6	171#	0.00
5	S	Phenol-d6	1.199	1.066	11.1	173#	0.00
6		bis(2-Chloroethyl)ether	1.113	1.019	8.4	171#	0.00
7	I	Naphthalene-d8	1.000	1.000	0.0	184#	0.00
8	S	Nitrobenzene-d5	0.305	0.293	3.9	186#	0.00
9		Naphthalene	1.102	1.042	5.4	183#	0.00
10		Hexachlorobutadiene	0.188	0.181	3.7	183#	-0.01
11	SURR	2-Methylnaphthalene-d10	0.556	0.533	4.1	196#	0.00
12		2-Methylnaphthalene	0.720	0.694	3.6	191#	0.00
13	I	Acenaphthene-d10	1.000	1.000	0.0	200#	0.00
14	S	2,4,6-Tribromophenol	0.152	0.136	10.5	201#	-0.01
15	S	2-Fluorobiphenyl	1.638	1.515	7.5	194#	0.00
16		Acenaphthylene	1.816	1.612	11.2	194#	-0.01
17		Acenaphthene	1.294	1.196	7.6	200#	0.00
18		Fluorene	1.565	1.437	8.2	198#	0.00
19	I	Phenanthrene-d10	1.000	1.000	0.0	205#	0.00
20		4,6-Dinitro-2-methylphenol	0.057	0.039	31.6#	182#	-0.01
21		4-Bromophenyl-phenylether	0.261	0.245	6.1	205#	0.00
22		Hexachlorobenzene	0.316	0.299	5.4	201#	-0.01
23		Atrazine	0.199	0.158	20.6	188#	-0.01
24		Pentachlorophenol	0.108	0.090	16.7	199#	0.00
25		Phenanthrene	1.316	1.221	7.2	203#	0.00
26		Anthracene	1.142	1.026	10.2	205#	-0.01
27	SURR	Fluoranthene-d10	1.006	0.910	9.5	210#	0.00
28		Fluoranthene	1.450	1.323	8.8	206#	0.00
29	I	Chrysene-d12	1.000	1.000	0.0	202#	0.00
30		Pyrene	1.579	1.539	2.5	205#	0.00
31	S	Terphenyl-d14	0.797	0.790	0.9	212#	0.00
32		Benzo(a)anthracene	1.398	1.308	6.4	204#	0.00
33		Chrysene	1.512	1.453	3.9	201#	0.00
34		Bis(2-ethylhexyl)phthalate	0.553	0.582	-5.2	241#	0.00
35	I	Perylene-d12	1.000	1.000	0.0	190#	0.00
36		Indeno(1,2,3-cd)pyrene	1.828	1.630	10.8	187#	0.00
37		Benzo(b)fluoranthene	1.725	1.663	3.6	192#	0.00
38		Benzo(k)fluoranthene	1.736	1.682	3.1	200#	0.00
39	C	Benzo(a)pyrene	1.364	1.268	7.0	196#	0.00
40		Dibenzo(a,h)anthracene	1.427	1.275	10.7	186#	0.00
41		Benzo(g,h,i)perylene	1.499	1.291	13.9	175#	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN093025\
Data File : BN037974.D
Acq On : 01 Oct 2025 09:24
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Quant Time: Oct 01 10:36:55 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	182	0.00
2		1,4-Dioxane	0.400	0.365	8.8	164	0.00
3		n-Nitrosodimethylamine	0.400	0.343	14.2	163	0.00
4	S	2-Fluorophenol	0.400	0.353	11.8	171	0.00
5	S	Phenol-d6	0.400	0.356	11.0	173	0.00
6		bis(2-Chloroethyl)ether	0.400	0.366	8.5	171	0.00
7	I	Naphthalene-d8	0.400	0.400	0.0	184	0.00
8	S	Nitrobenzene-d5	0.400	0.384	4.0	186	0.00
9		Naphthalene	0.400	0.378	5.5	183	0.00
10		Hexachlorobutadiene	0.400	0.386	3.5	183	-0.01
11	SURR	2-Methylnaphthalene-d10	0.400	0.383	4.3	196	0.00
12		2-Methylnaphthalene	0.400	0.385	3.8	191	0.00
13	I	Acenaphthene-d10	0.400	0.400	0.0	200	0.00
14	S	2,4,6-Tribromophenol	0.400	0.358	10.5	201	-0.01
15	S	2-Fluorobiphenyl	0.400	0.370	7.5	194	0.00
16		Acenaphthylene	0.400	0.355	11.3	194	-0.01
17		Acenaphthene	0.400	0.370	7.5	200	0.00
18		Fluorene	0.400	0.367	8.3	198	0.00
19	I	Phenanthrene-d10	0.400	0.400	0.0	205	0.00
20		4,6-Dinitro-2-methylphenol	0.400	0.371	7.3	182	-0.01
21		4-Bromophenyl-phenylether	0.400	0.375	6.3	205	0.00
22		Hexachlorobenzene	0.400	0.379	5.3	201	-0.01
23		Atrazine	0.400	0.319	20.3	188	-0.01
24		Pentachlorophenol	0.400	0.330	17.5	199	0.00
25		Phenanthrene	0.400	0.371	7.3	203	0.00
26		Anthracene	0.400	0.359	10.3	205	-0.01
27	SURR	Fluoranthene-d10	0.400	0.362	9.5	210	0.00
28		Fluoranthene	0.400	0.365	8.8	206	0.00
29	I	Chrysene-d12	0.400	0.400	0.0	202	0.00
30		Pyrene	0.400	0.390	2.5	205	0.00
31	S	Terphenyl-d14	0.400	0.397	0.8	212	0.00
32		Benzo(a)anthracene	0.400	0.374	6.5	204	0.00
33		Chrysene	0.400	0.384	4.0	201	0.00
34		Bis(2-ethylhexyl)phthalate	0.400	0.421	-5.2	241	0.00
35	I	Perylene-d12	0.400	0.400	0.0	190	0.00
36		Indeno(1,2,3-cd)pyrene	0.400	0.357	10.8	187	0.00
37		Benzo(b)fluoranthene	0.400	0.386	3.5	192	0.00
38		Benzo(k)fluoranthene	0.400	0.388	3.0	200	0.00
39	C	Benzo(a)pyrene	0.400	0.372	7.0	196	0.00
40		Dibenzo(a,h)anthracene	0.400	0.357	10.8	186	0.00
41		Benzo(g,h,i)perylene	0.400	0.344	14.0	175	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

QC SAMPLE DATA

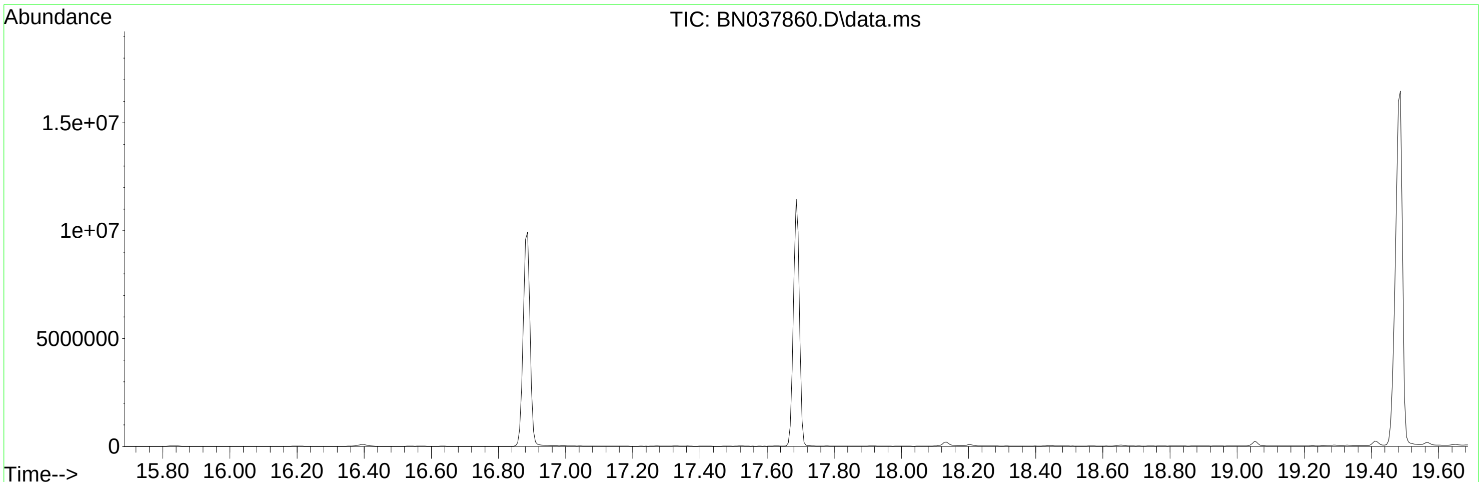
Sample Results: **BN037860.D**

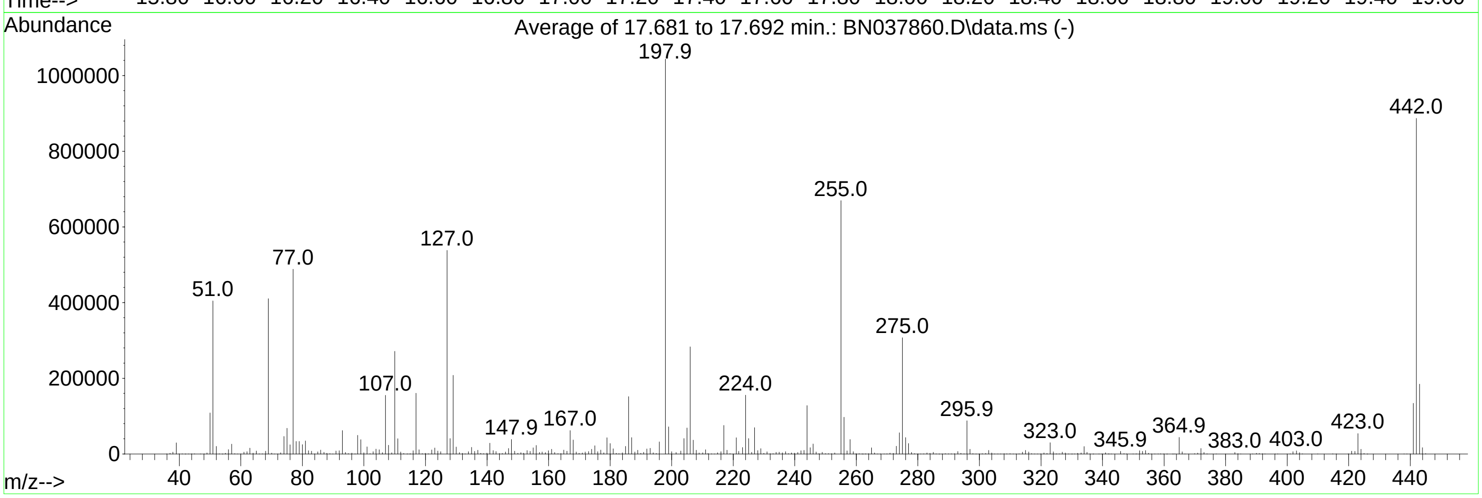
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092325\
Data File : BN037860.D
Acq On : 23 Sep 2025 11:33
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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





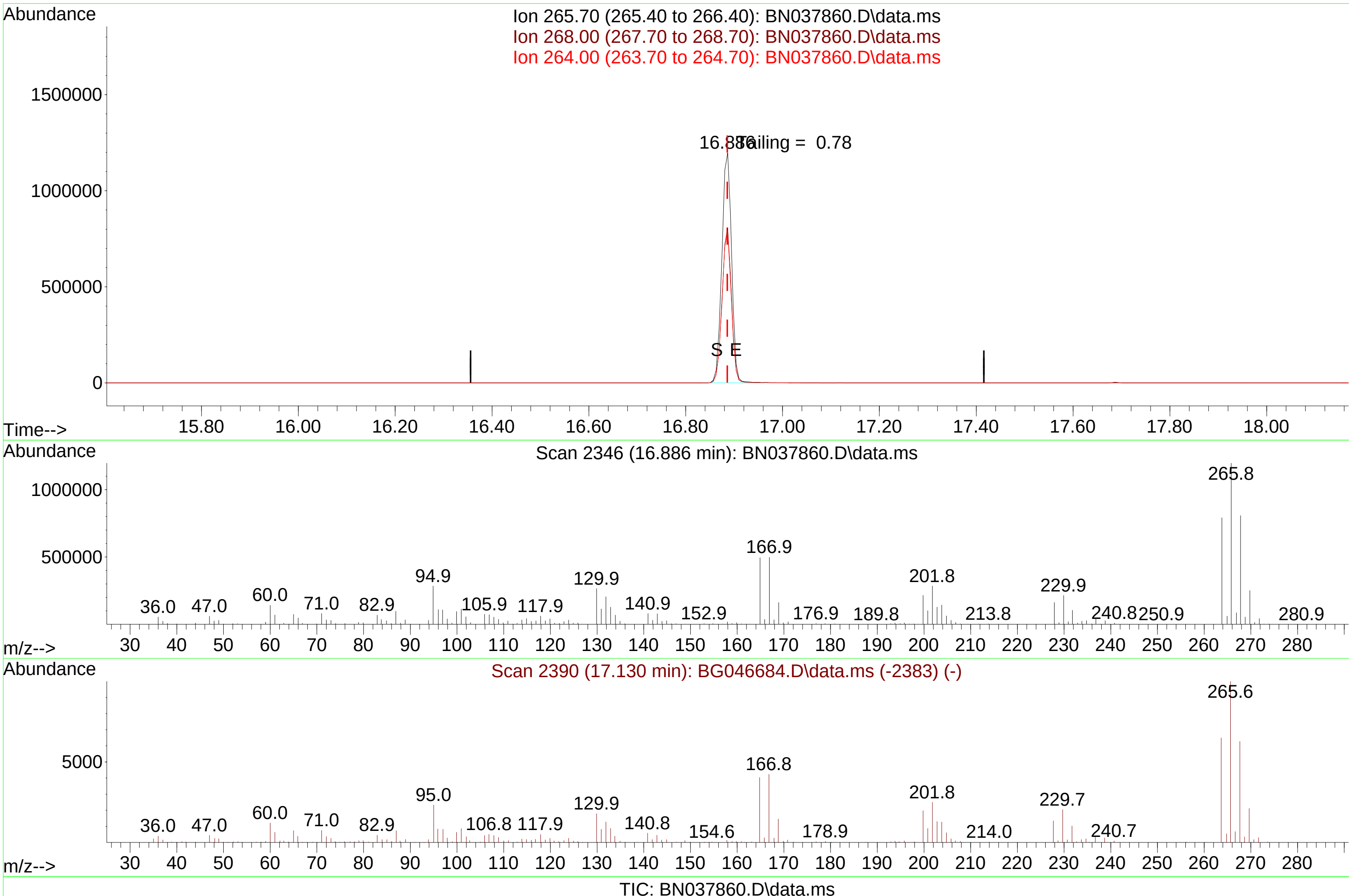
AutoFind: Scans 2481, 2482, 2483; Background Corrected with Scan 2474

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

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
```

Instrument :
BNA_N
ClientSampleId :
DFTPP



(70) Pentachlorophenol (C)

16.886min (+ 0.001) 30744.23 ng

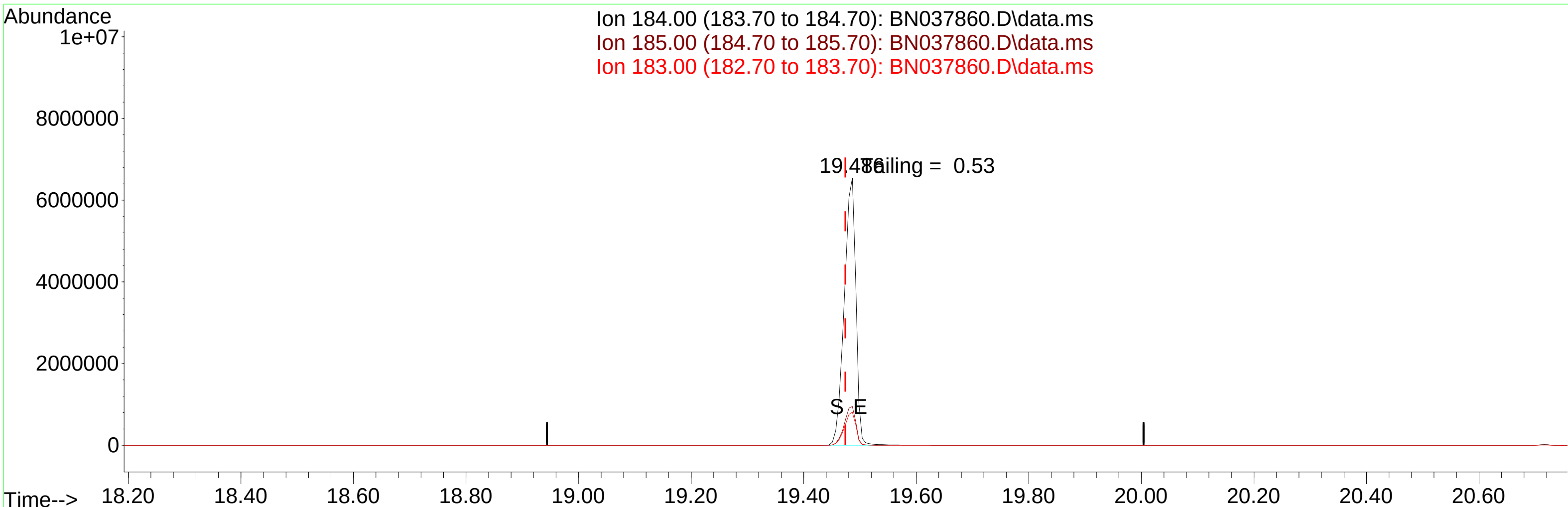
response 1679260

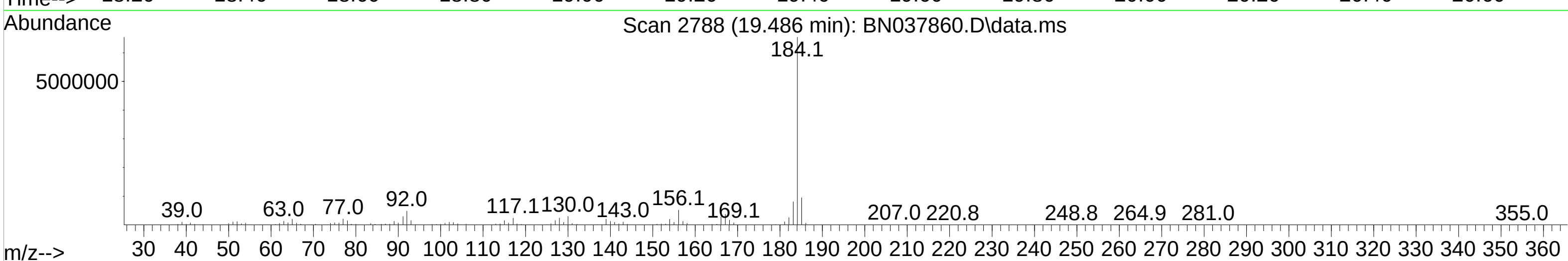
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.20	67.46
264.00	61.60	66.17
0.00	0.00	0.00

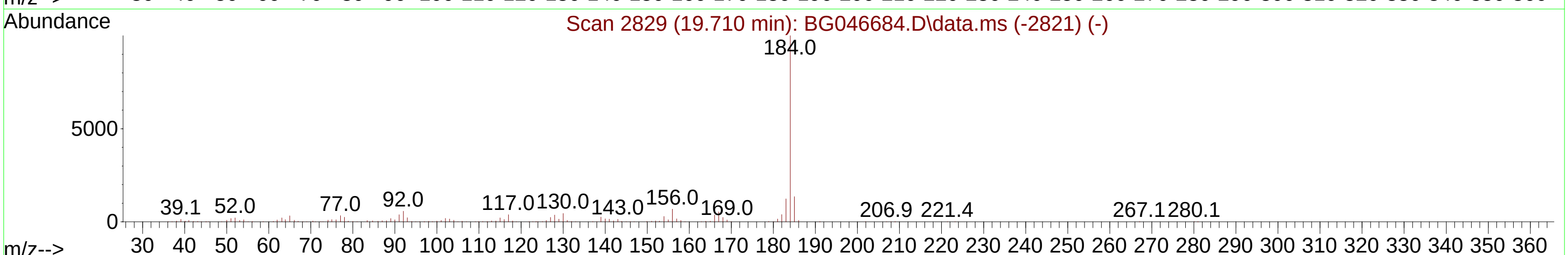
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092325\
Data File : BN037860.D
Acq On : 23 Sep 2025 11:33
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

DDT Breakdown

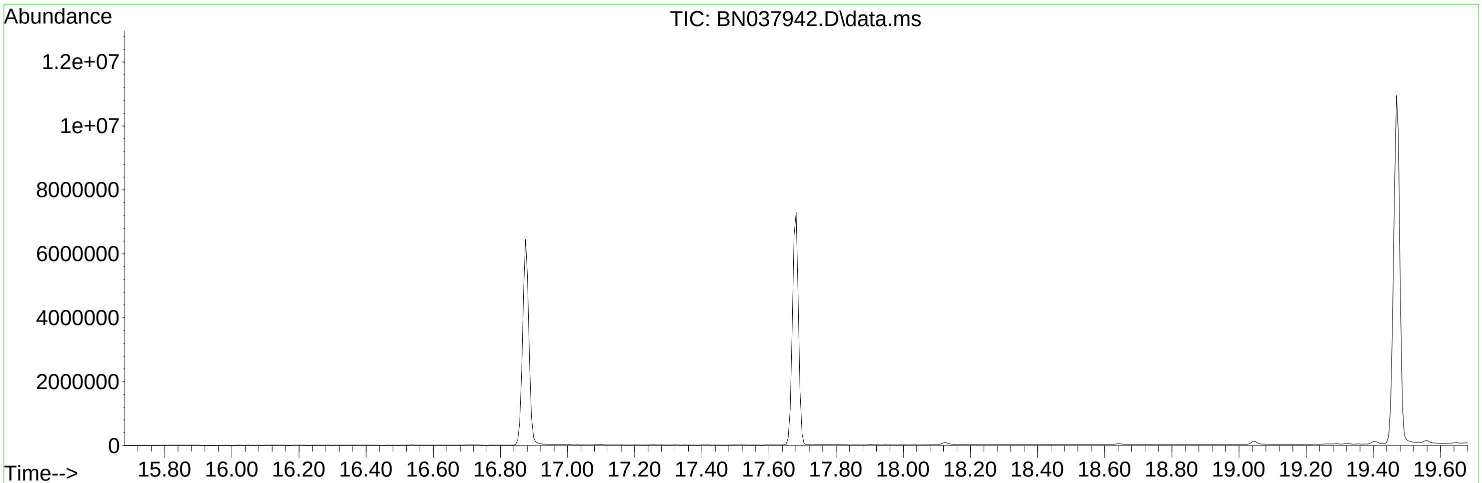
Date	Instrument Name	DFTPP Data File
9/23/2025	BNA_N	BN037860.D
Compound Name	**Response**	**Retention Time**
DDT	4305996	20.716
DDD	11703	20.327
DDE	258	19.769
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
11961	4317957	0.28

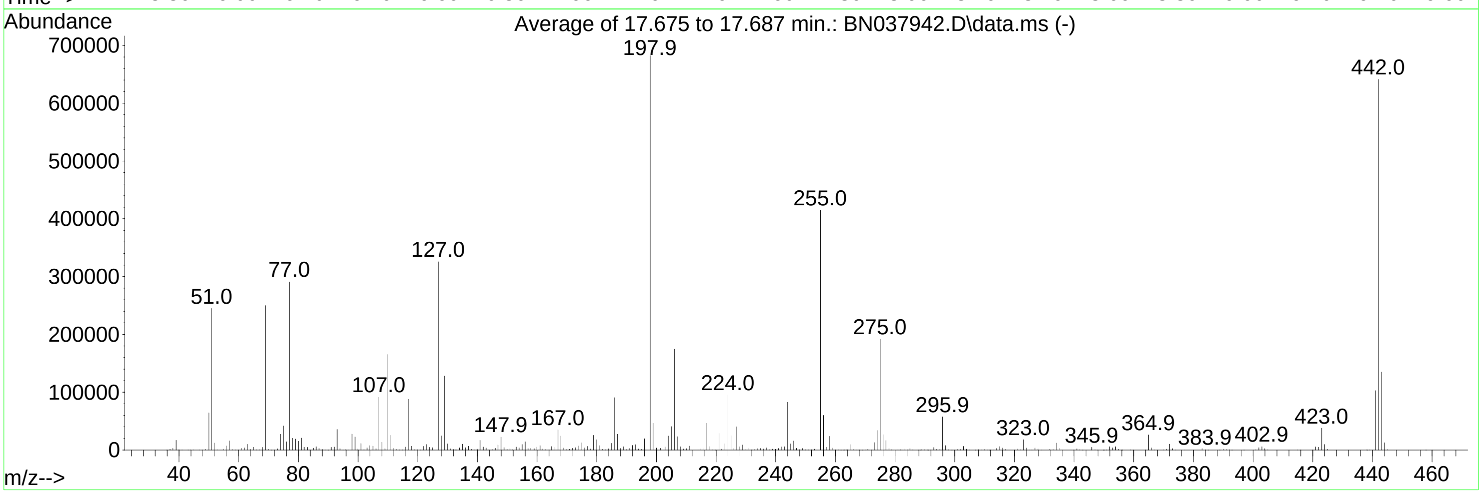
```
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN093025\
Data File : BN037942.D
Acq On    : 30 Sep 2025  11:37
Operator  : RC/JU
Sample    : DFTPP
Misc      :
ALS Vial  : 1   Sample Multiplier: 1

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
```

Instrument :
BNA_N
ClientSampleId :
DFTPP





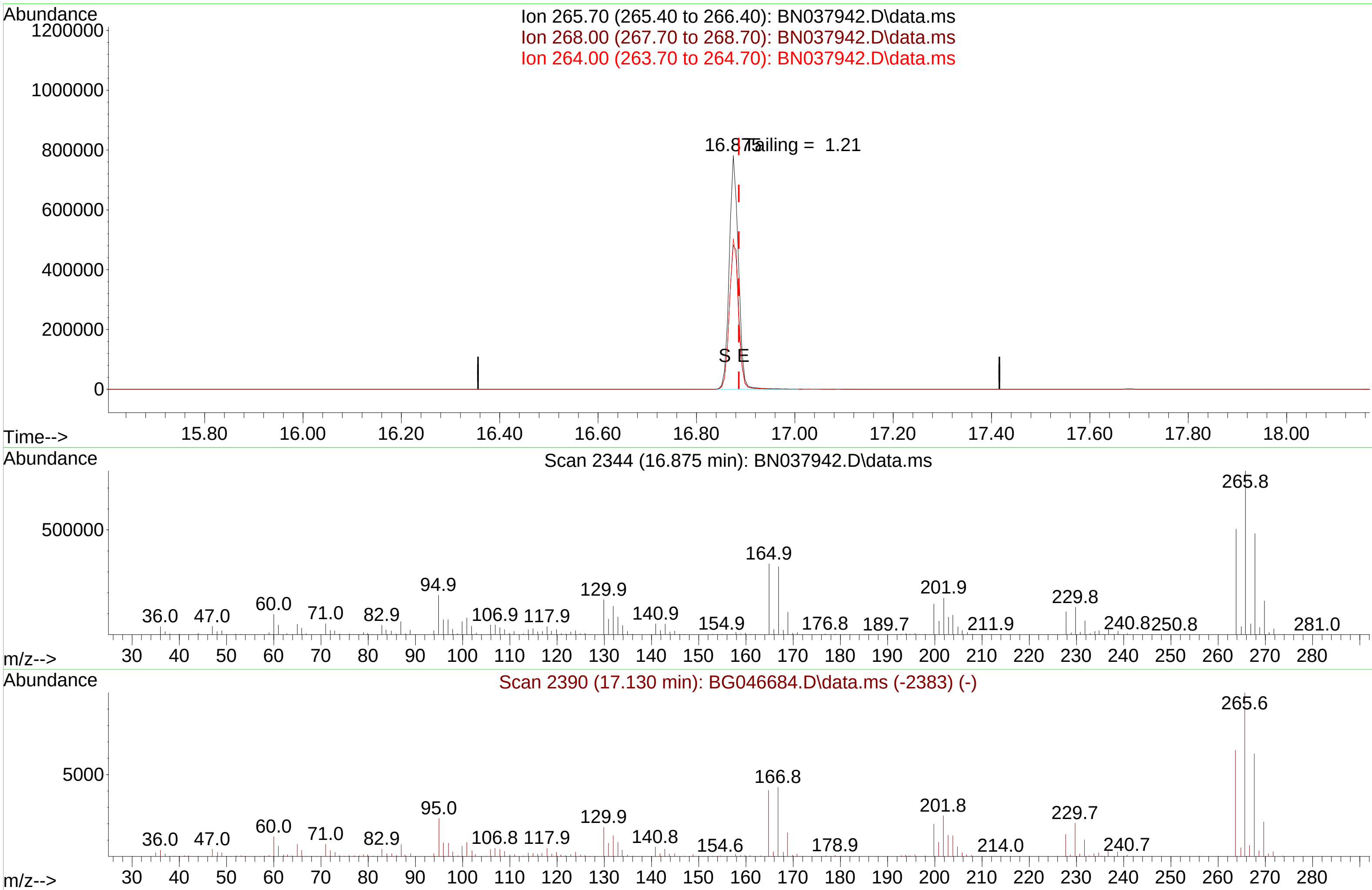
AutoFind: Scans 2480, 2481, 2482; Background Corrected with Scan 2472

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

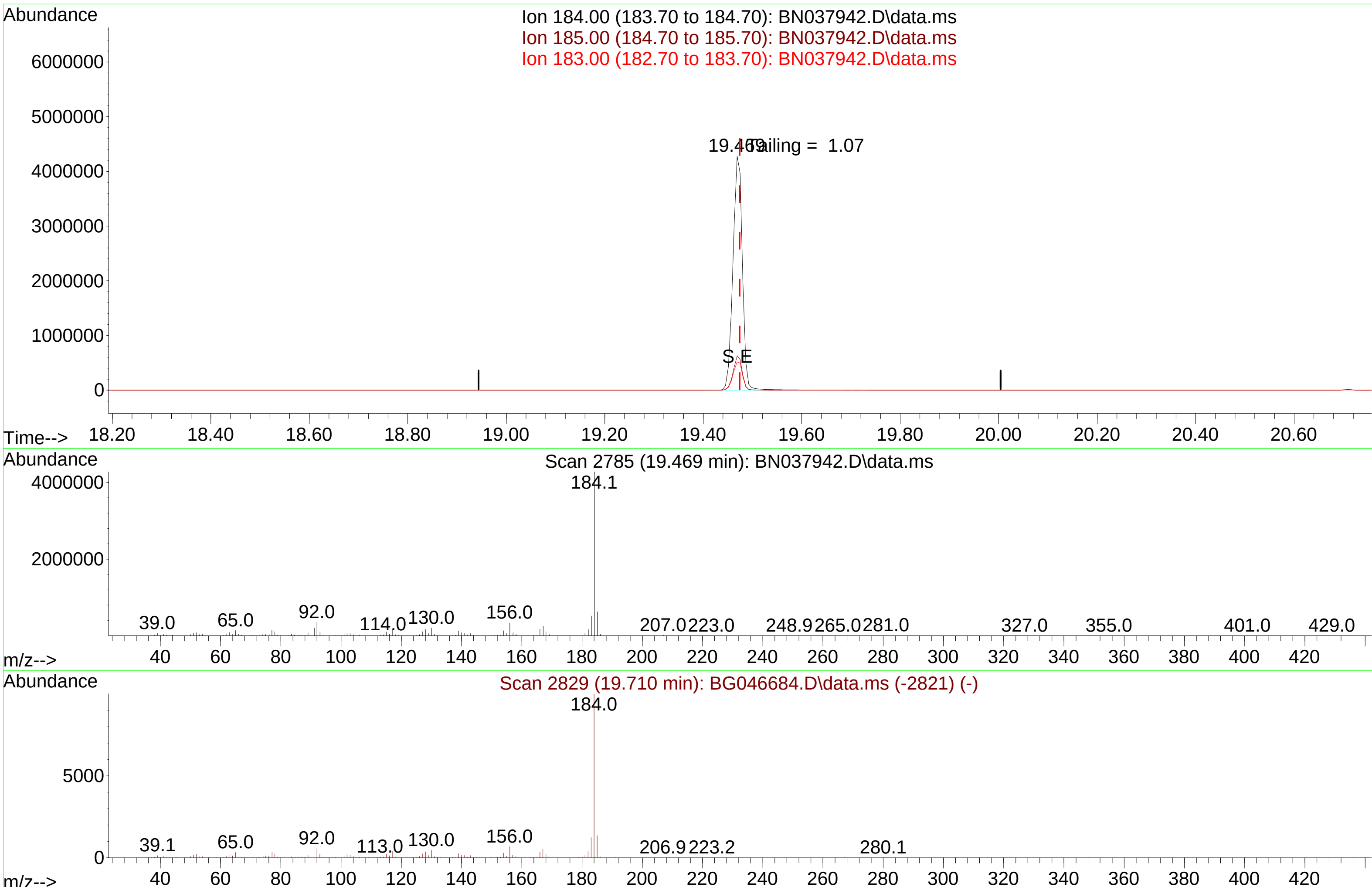
response 1011044

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



(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

6
7
8
9
10
11
12
13
14
15
16
17

DDT Breakdown

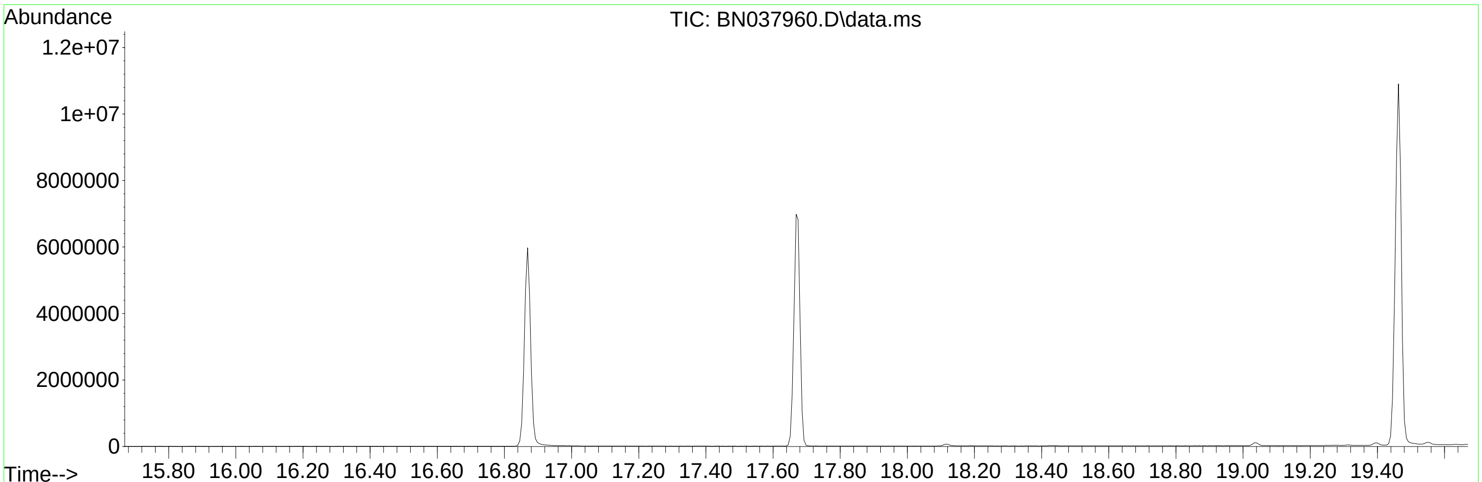
Date	Instrument Name	DFTPP Data File
9/30/2025	BNA_N	BN037942.D
Compound Name	**Response**	**Retention Time**
DDT	2784316	20.71
DDD	23255	20.263
DDE	189	19.851
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
23444	2807760	0.83

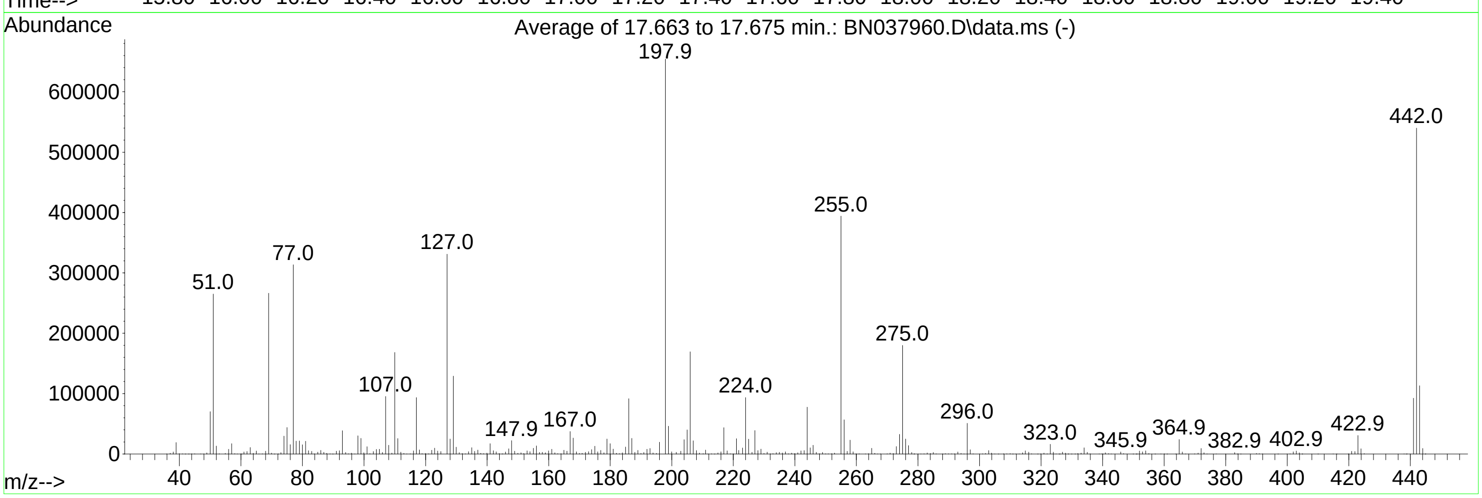
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN093025\
Data File : BN037960.D
Acq On : 01 Oct 2025 00:30
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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





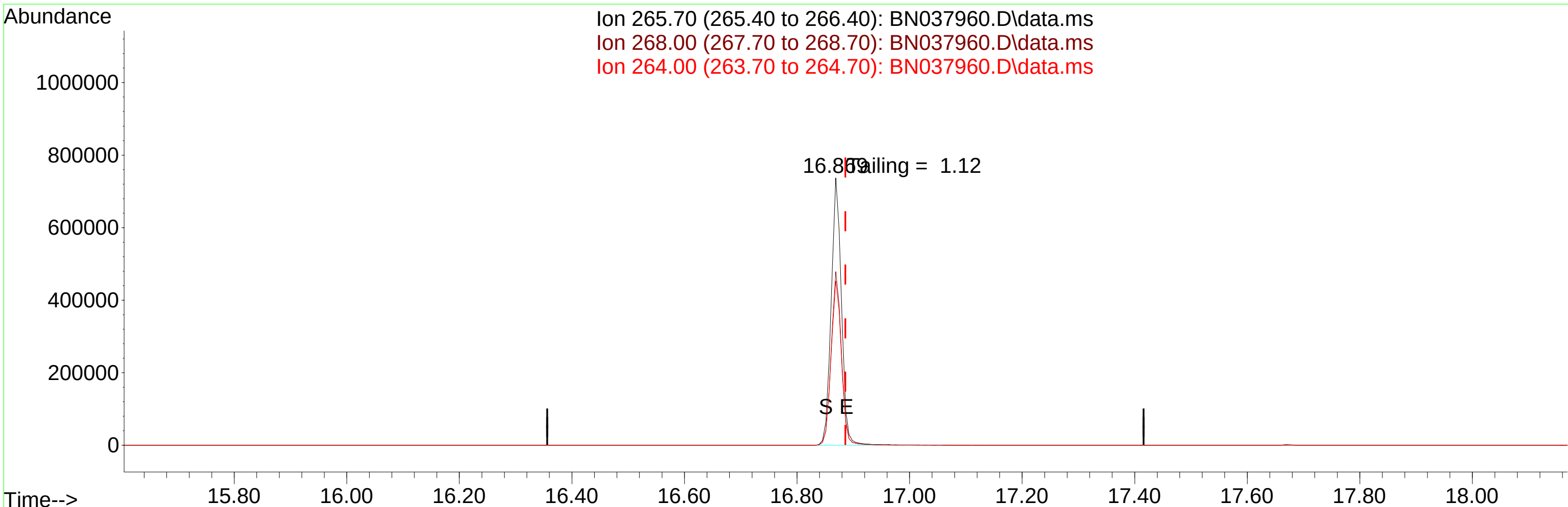
AutoFind: Scans 2478, 2479, 2480; Background Corrected with Scan 2471

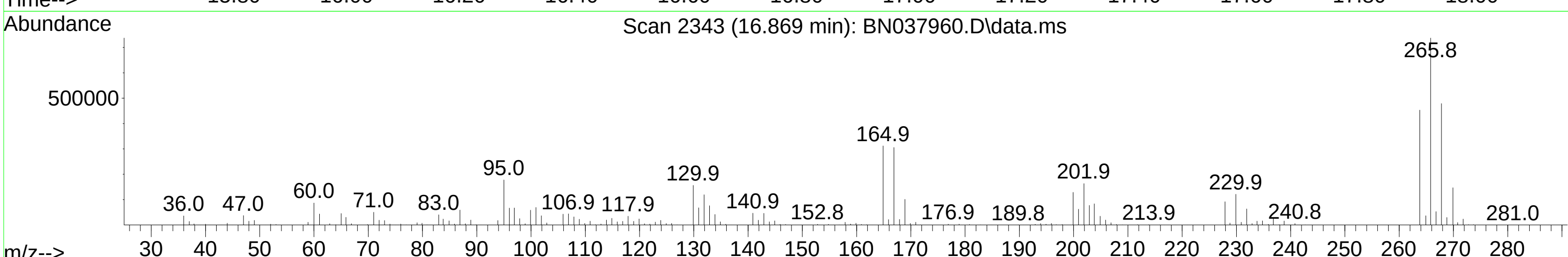
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.8	4757	PASS
69	69	100	100	100.0	266453	PASS
70	69	0.00	2	0.6	1630	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	654037	PASS
199	198	5	9	7.1	46264	PASS
365	198	1	100	3.7	24233	PASS
441	443	0.01	150	81.9	92611	PASS
442	442	100	100	100.0	540011	PASS
443	442	15	24	20.9	113085	PASS

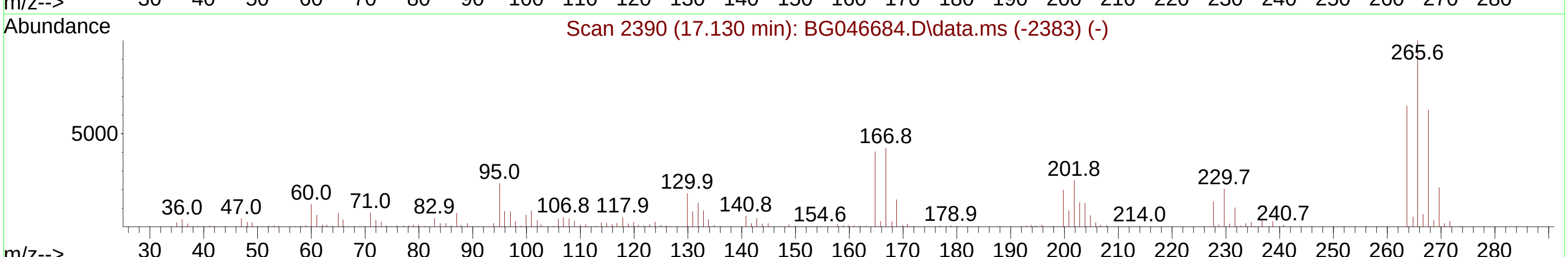
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN093025\
Data File : BN037960.D
Acq On : 01 Oct 2025 00:30
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : DFTPP

Quant Time: Oct 01 01:44:11 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: BN037960.D\data.ms

(70) Pentachlorophenol (C)

16.869min (-0.017) 27797.15 ng

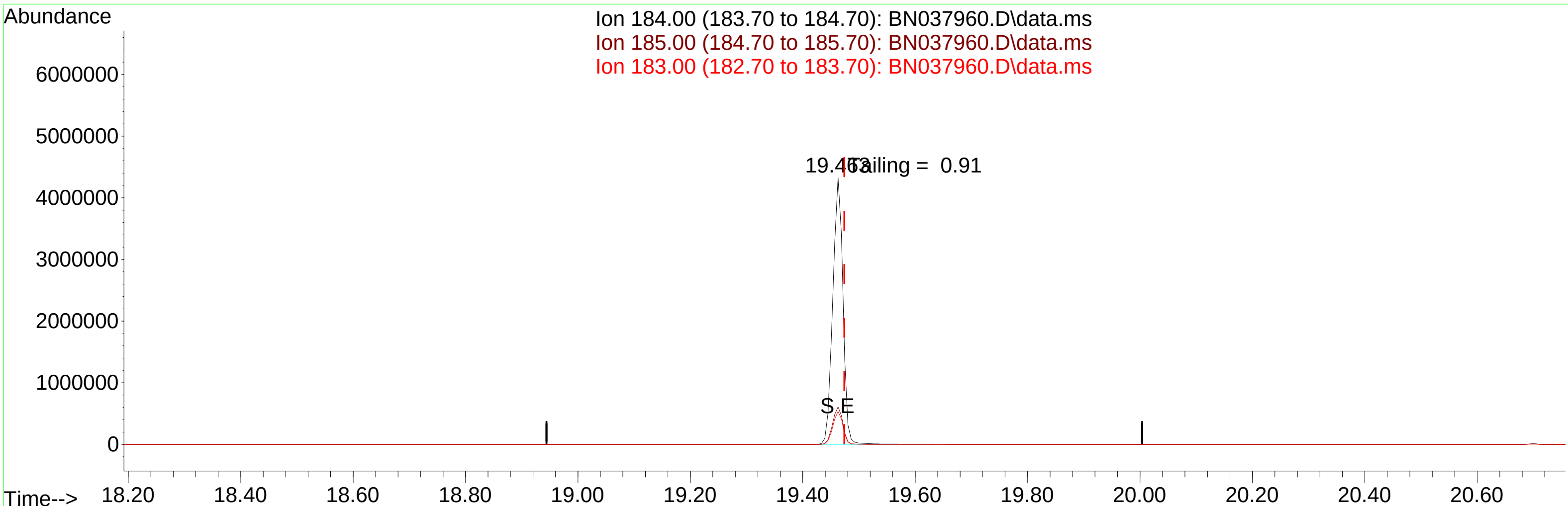
response 931043

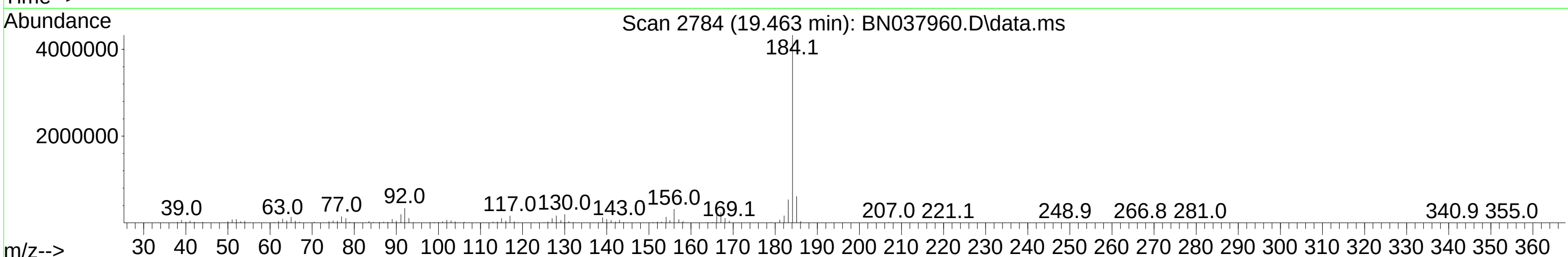
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.20	64.93
264.00	61.60	61.47
0.00	0.00	0.00

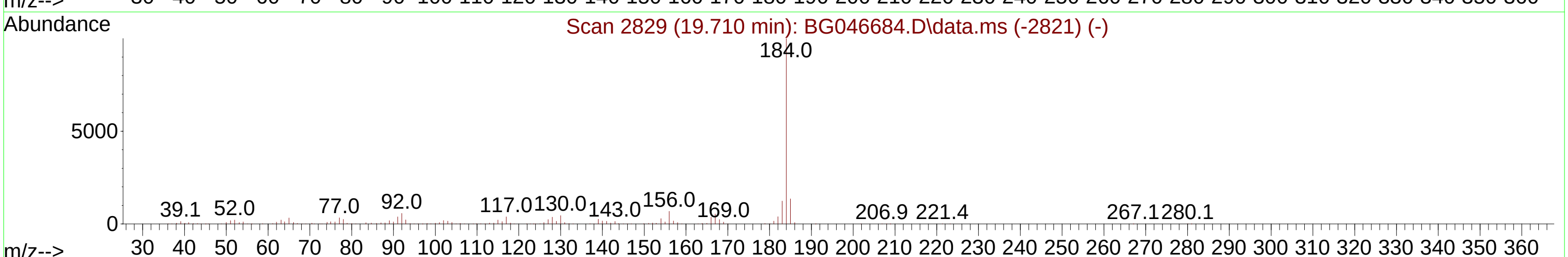
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN093025\
Data File : BN037960.D
Acq On : 01 Oct 2025 00:30
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Oct 01 01:44:11 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: BN037960.D\data.ms

(77) Benzidine

19.463min (-0.011) 0.00 ng

response 5415438

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.50	14.08
183.00	13.20	12.37
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
9/30/2025	BNA_N	BN037960.D
Compound Name	**Response**	**Retention Time**
DDT	2668483	20.698
DDD	21470	20.257
DDE	699	19.757
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
22169	2690652	0.82

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:	PB169886BL		SDG No.:	Q3193	
Lab Sample ID:	PB169886BL		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
BN037962.D	1	09/29/25 08:43	10/01/25 01:46	PB169886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.20	U	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.34		30 - 150		84%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.36		30 - 150		90%	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		93%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.41		58 - 132		103%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6780	7.811				
1146-65-2	Naphthalene-d8	18600	10.616				
15067-26-2	Acenaphthene-d10	9080	14.462				
1517-22-2	Phenanthrene-d10	18200	17.223				
1719-03-5	Chrysene-d12	14100	21.393				
1520-96-3	Perylene-d12	12000	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\BN093025\
Data File : BN037962.D
Acq On : 01 Oct 2025 01:46
Operator : RC/JU
Sample : PB169886BL
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB169886BL

Quant Time: Oct 01 04:25:47 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	6783	0.400	ng	-0.01
7) Naphthalene-d8	10.616	136	18599	0.400	ng	-0.01
13) Acenaphthene-d10	14.462	164	9081	0.400	ng	-0.01
19) Phenanthrene-d10	17.223	188	18168	0.400	ng	0.00
29) Chrysene-d12	21.393	240	14118	0.400	ng	# 0.00
35) Perylene-d12	23.721	264	11978	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.384	112	5949	0.384	ng	0.00
5) Phenol-d6	6.973	99	7779	0.382	ng	0.00
8) Nitrobenzene-d5	8.961	82	5086	0.359	ng	-0.01
11) 2-Methylnaphthalene-d10	12.212	152	8718	0.337	ng	0.00
14) 2,4,6-Tribromophenol	15.969	330	1081	0.314	ng	0.00
15) 2-Fluorobiphenyl	13.094	172	13748	0.370	ng	0.00
27) Fluoranthene-d10	19.248	212	16430	0.360	ng	0.00
31) Terphenyl-d14	19.843	244	11611	0.413	ng	0.00

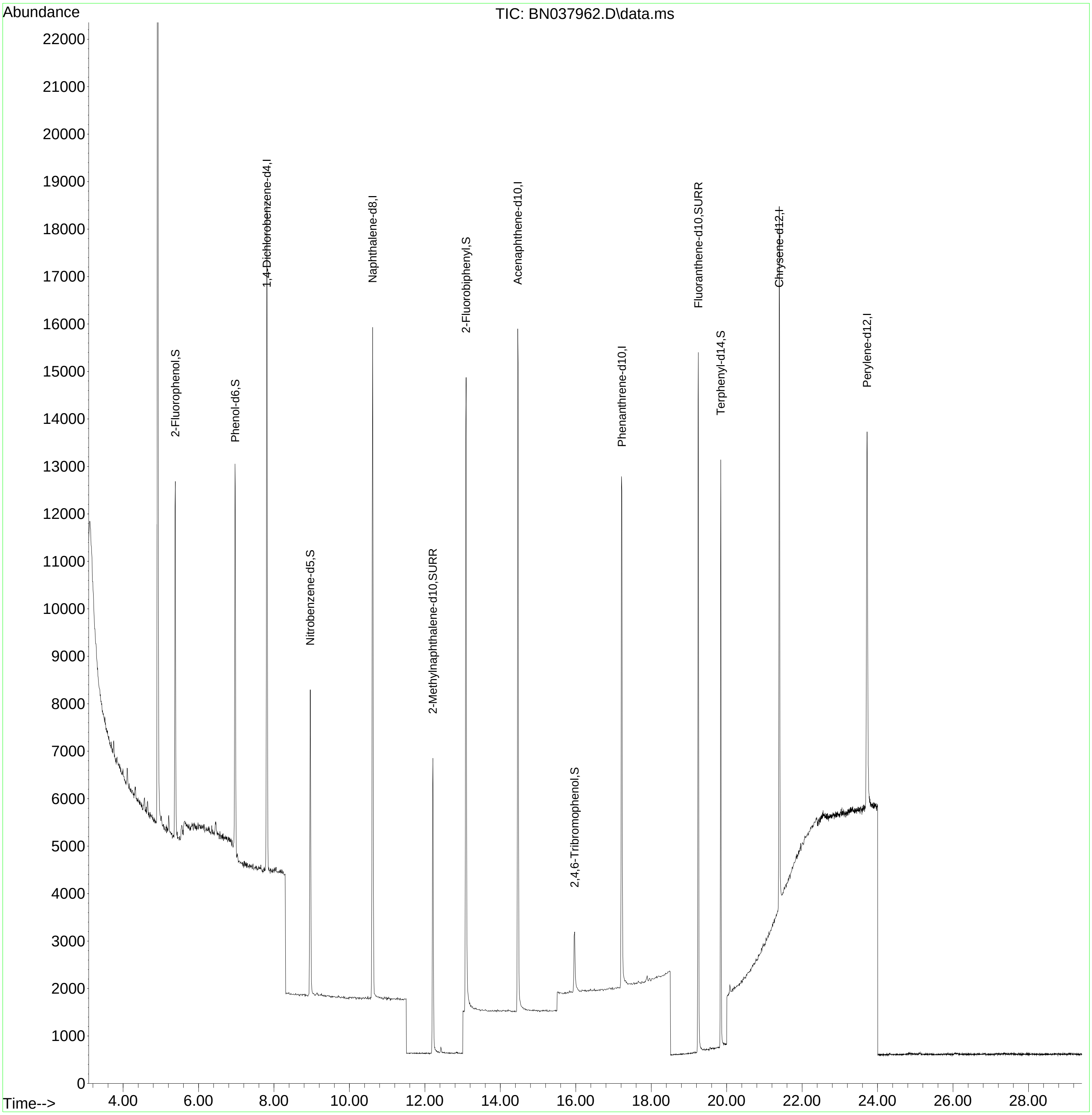
Target Compounds Qvalue

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

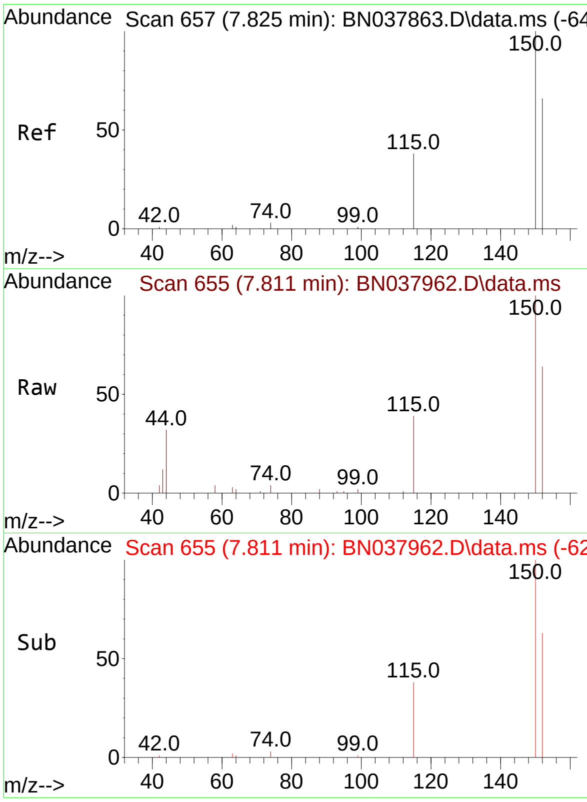
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN093025\
Data File : BN037962.D
Acq On : 01 Oct 2025 01:46
Operator : RC/JU
Sample : PB169886BL
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB169886BL

Quant Time: Oct 01 04:25:47 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



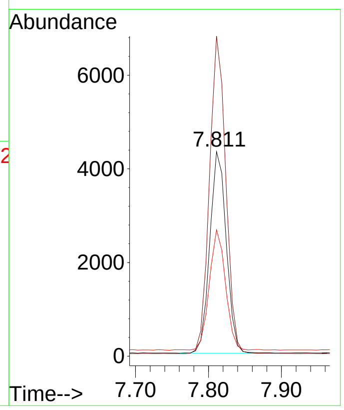
Instrument :
BNA_N
ClientSampleId :
PB169886BL

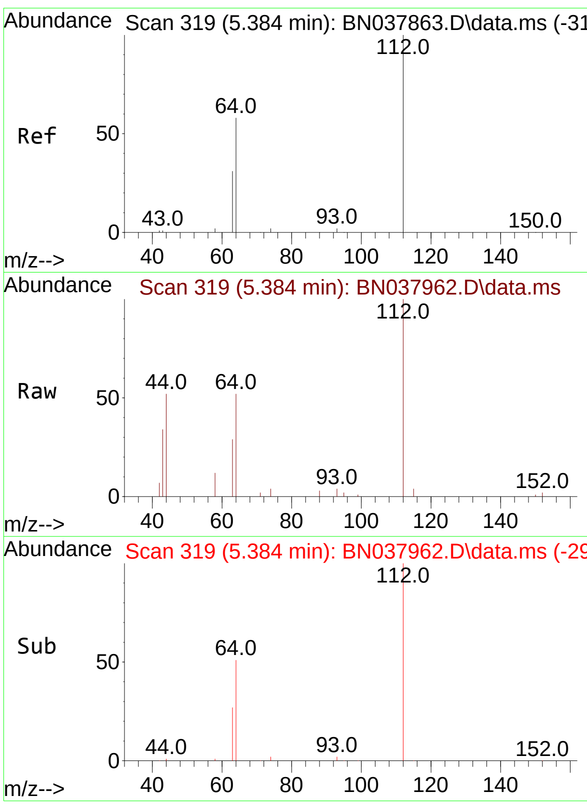


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.811 min Scan# 6
Delta R.T. -0.014 min
Lab File: BN037962.D
Acq: 01 Oct 2025 01:46

Tgt Ion:152 Resp: 6783

Ion	Ratio	Lower	Upper
152	100		
150	156.4	121.0	181.4
115	61.8	47.4	71.0

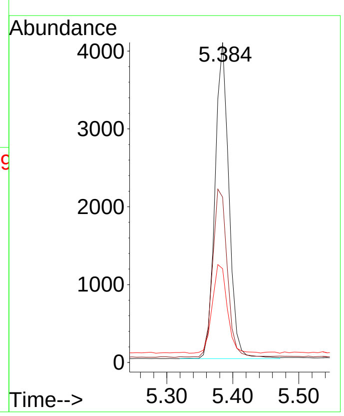




#4
2-Fluorophenol
Concen: 0.384 ng
RT: 5.384 min Scan# 319
Delta R.T. -0.000 min
Lab File: BN037962.D
Acq: 01 Oct 2025 01:46

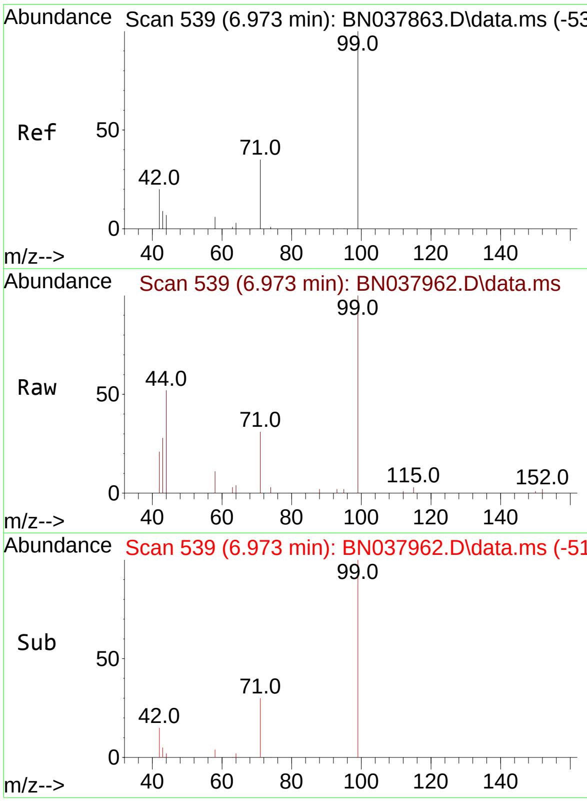
Tgt Ion:112 Resp: 5949

Ion	Ratio	Lower	Upper
112	100		
64	55.7	44.6	66.8
63	30.1	24.9	37.3



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

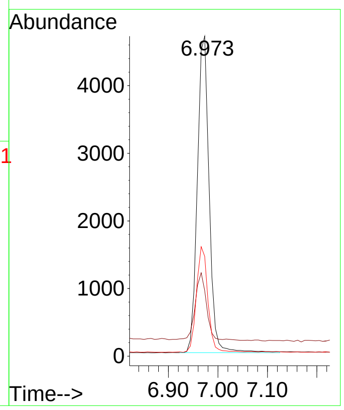
Instrument : BNA_N
ClientSampleId : PB169886BL

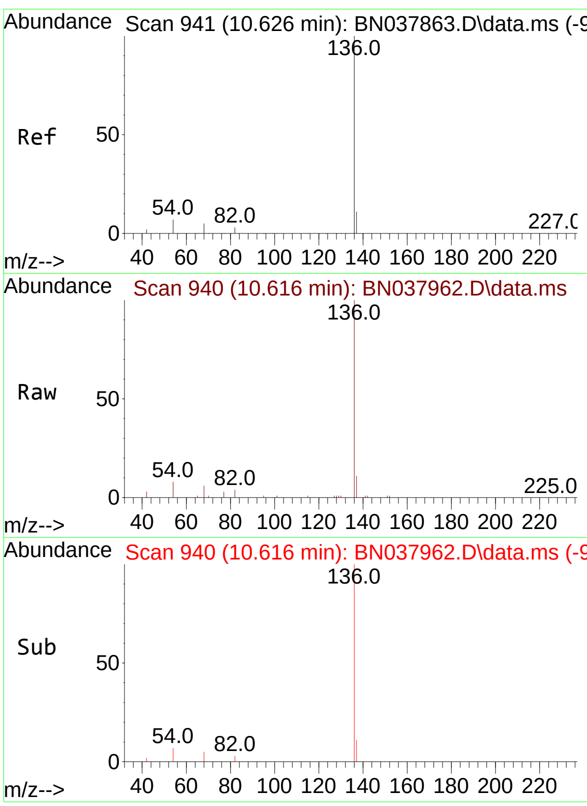


#5
Phenol-d6
Concen: 0.382 ng
RT: 6.973 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN037962.D
Acq: 01 Oct 2025 01:46

Tgt Ion: 99 Resp: 7779

Ion	Ratio	Lower	Upper
99	100		
42	19.3	17.2	25.8
71	32.3	27.3	40.9

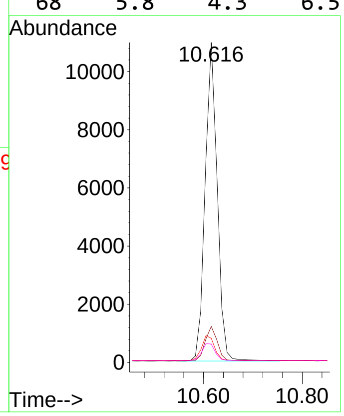




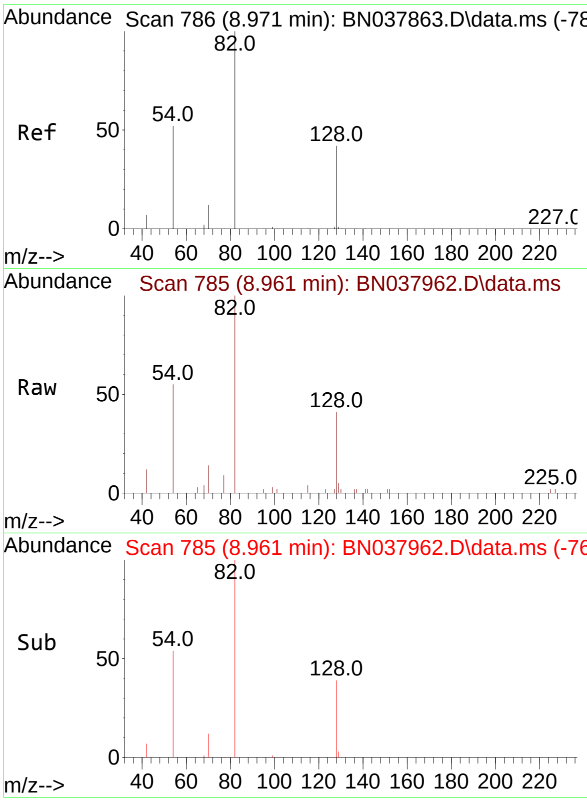
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.616 min Scan# 940
Delta R.T. -0.011 min
Lab File: BN037962.D
Acq: 01 Oct 2025 01:46

Tgt Ion:136 Resp: 18599

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.4
54	7.6	5.8	8.8
68	5.8	4.3	6.5

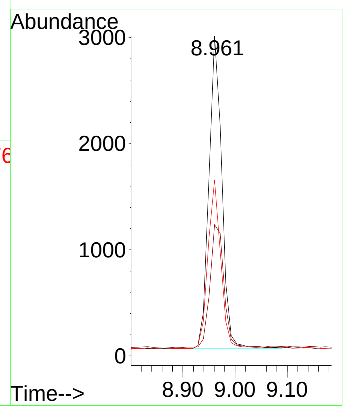


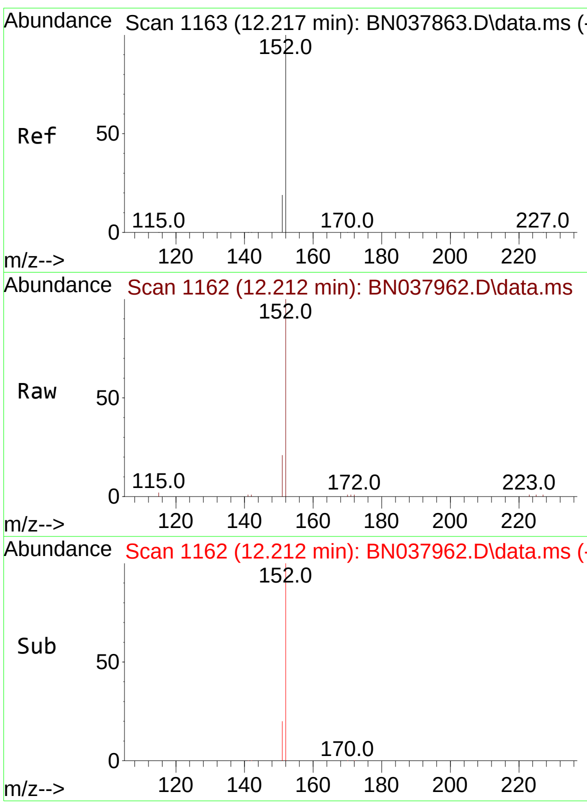
Instrument : BNA_N
ClientSampleId : PB169886BL




```
#8
Nitrobenzene-d5
Concen:     0.359 ng
RT:    8.961 min   Scan# 7
Delta R.T.   -0.011 min
Lab File:    BN037962.D
Acq: 01 Oct 2025   01:46

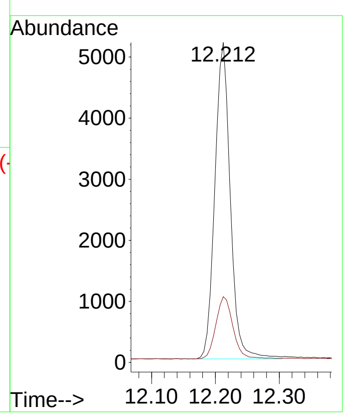
Tgt Ion: 82 Resp:     5086
Ion   Ratio   Lower   Upper
 82   100
128    41.0    34.8    52.2
 54    54.9    42.2    63.2
```



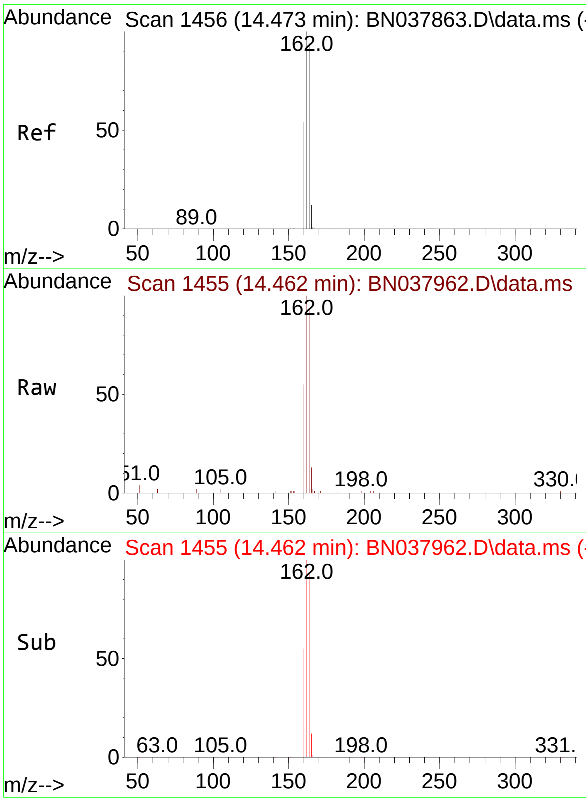



```
#11
2-Methylnaphthalene-d10
Concen:     0.337 ng
RT:   12.212 min   Scan# 1162
Delta R.T.   -0.005 min
Lab File:    BN037962.D
Acq: 01 Oct 2025   01:46

Tgt Ion:152 Resp:     8718
Ion   Ratio   Lower   Upper
152   100
151    21.7    17.4    26.2
```



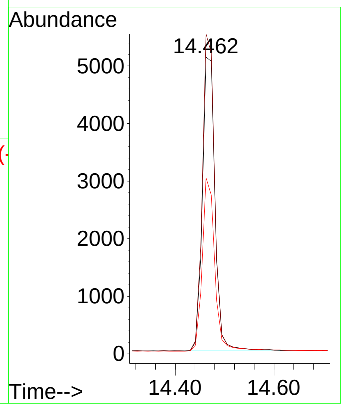
Instrument :
BNA_N
ClientSampleId :
PB169886BL

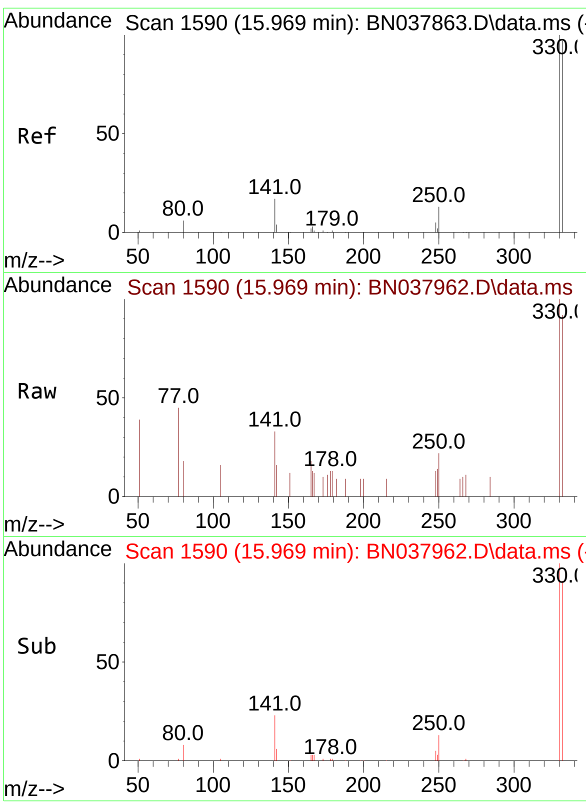


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.462 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN037962.D
Acq: 01 Oct 2025 01:46

Tgt Ion:164 Resp: 9081

Ion	Ratio	Lower	Upper
164	100		
162	107.8	84.8	127.2
160	59.3	46.1	69.1

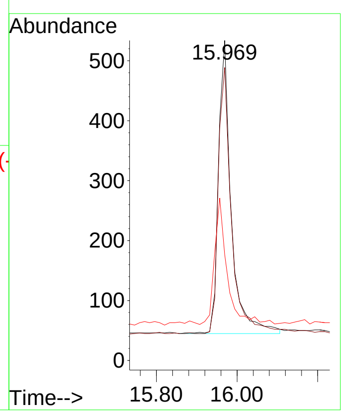




#14
2,4,6-Tribromophenol
Concen: 0.314 ng
RT: 15.969 min Scan# 1590
Delta R.T. 0.000 min
Lab File: BN037962.D
Acq: 01 Oct 2025 01:46

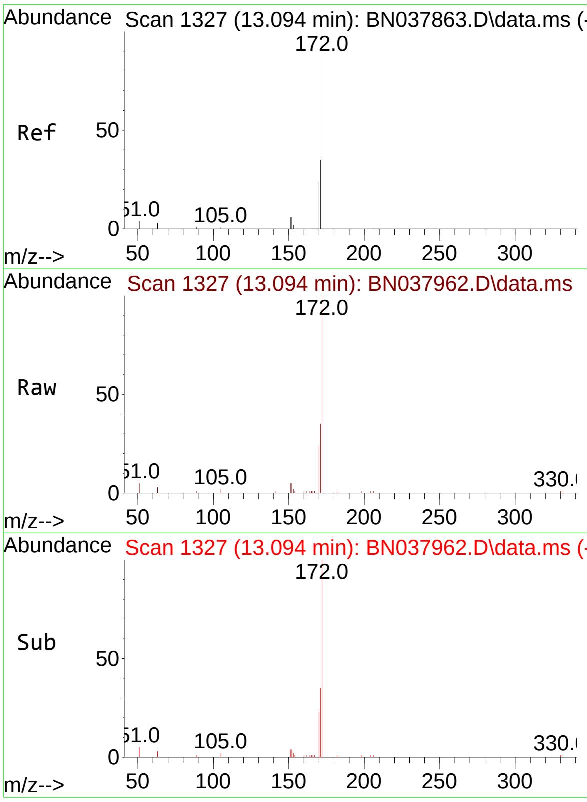
Tgt Ion:330 Resp: 1081

Ion	Ratio	Lower	Upper
330	100		
332	92.8	77.2	115.8
141	42.4	37.2	55.8



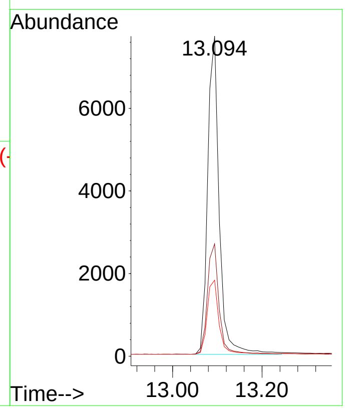
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

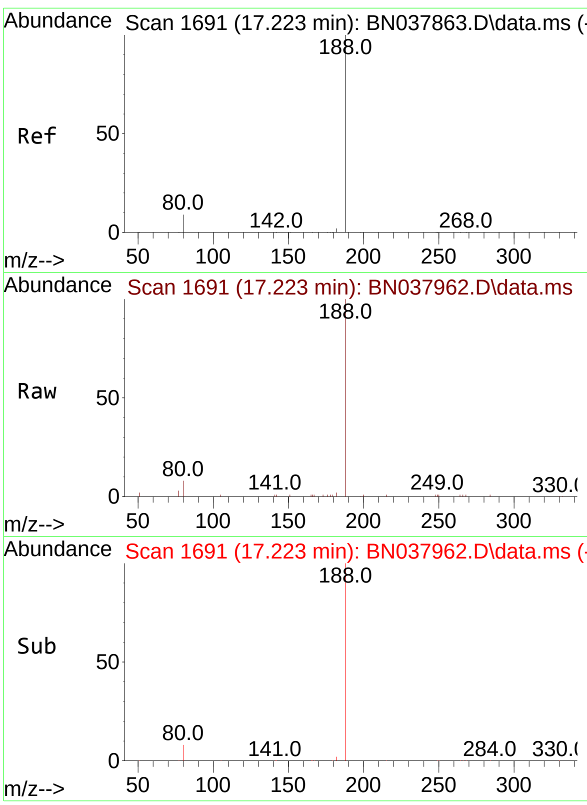
Instrument : BNA_N
ClientSampleId : PB169886BL




```
#15
2-Fluorobiphenyl
Concen:     0.370 ng
RT:  13.094 min   Scan# 1
Delta R.T.   -0.000 min
Lab File:    BN037962.D
Acq: 01 Oct 2025   01:46

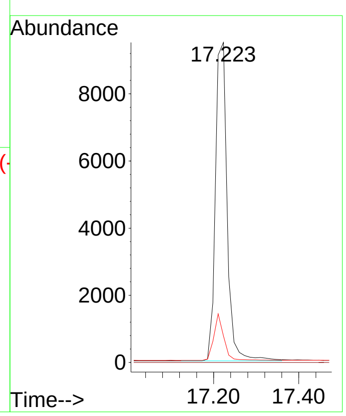
Tgt Ion:172 Resp:   13748
Ion   Ratio   Lower   Upper
172   100
171    35.1    28.6    43.0
170    23.8    19.7    29.5
```



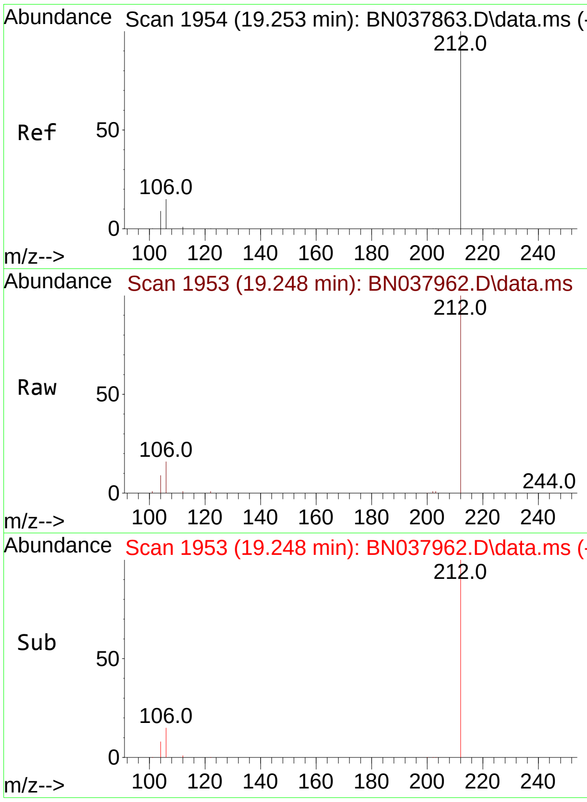



```
#19
Phenanthrene-d10
Concen:     0.400 ng
RT:  17.223 min   Scan# 1691
Delta R.T.   -0.000 min
Lab File:    BN037962.D
Acq: 01 Oct 2025   01:46

Tgt Ion:188 Resp:   18168
Ion   Ratio   Lower   Upper
188   100
 94     0.0     0.0     0.0
 80     8.3     7.6    11.4
```

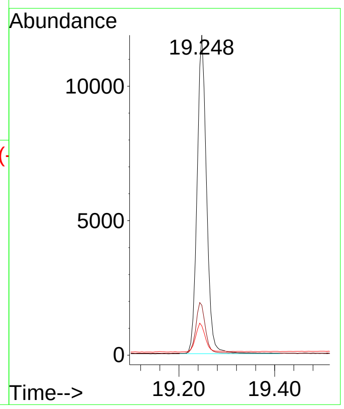


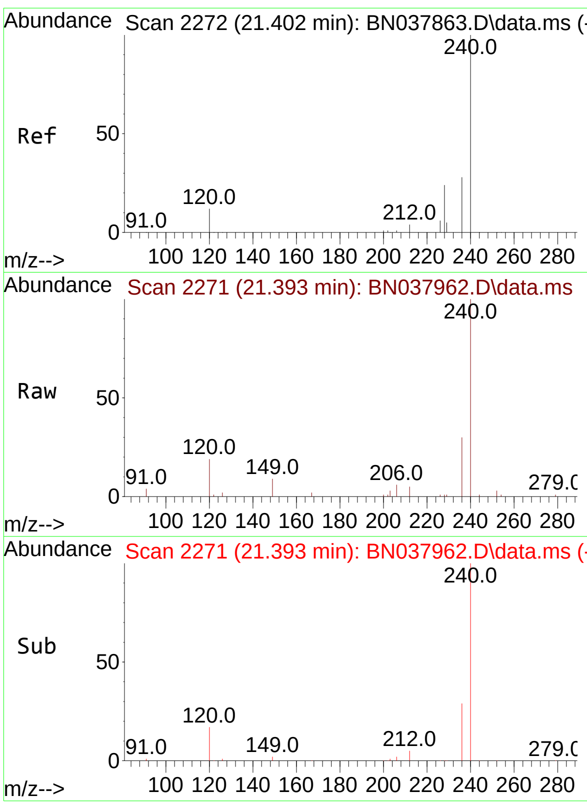
Instrument :
BNA_N
ClientSampleId :
PB169886BL




```
#27
Fluoranthene-d10
Concen:    0.360 ng
RT:  19.248 min  Scan# 1
Delta R.T.  -0.005 min
Lab File:   BN037962.D
Acq: 01 Oct 2025  01:46

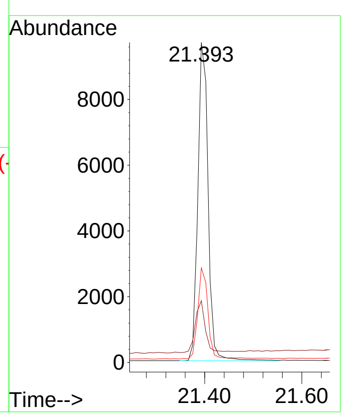
Tgt Ion:212 Resp:   16430
Ion  Ratio  Lower  Upper
212  100
106   15.9   12.6   19.0
104    9.1    7.4   11.0
```






```
#29
Chrysene-d12
Concen:    0.400 ng
RT:  21.393 min  Scan# 2271
Delta R.T.  -0.009 min
Lab File:   BN037962.D
Acq: 01 Oct 2025  01:46

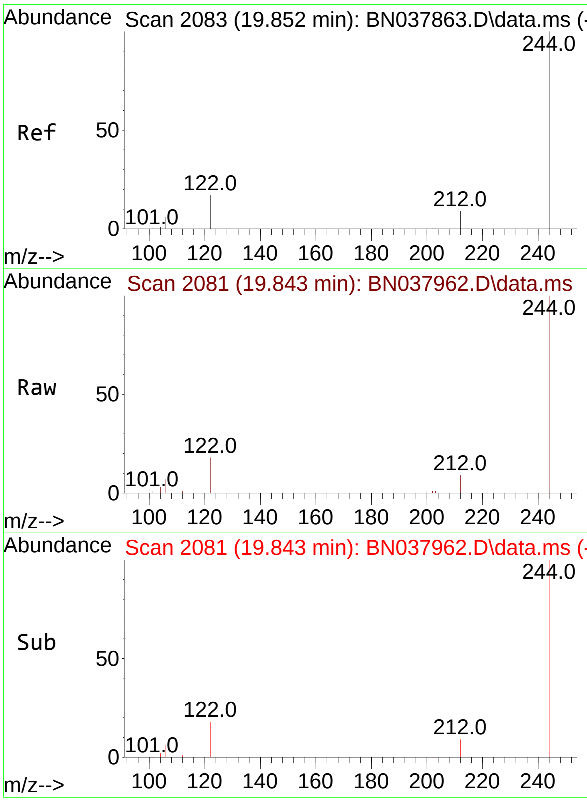
Tgt Ion:240 Resp:   14118
Ion  Ratio  Lower  Upper
240  100
120   19.2   11.4   17.2#
236   29.6   23.0   34.6
```



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

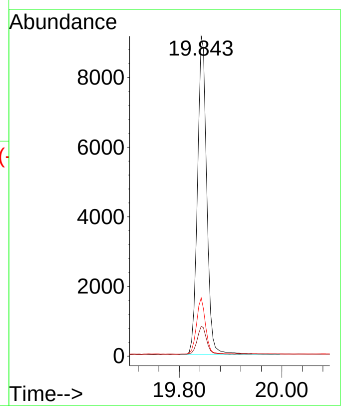
Instrument :
BNA_N
ClientSampleId :
PB169886BL

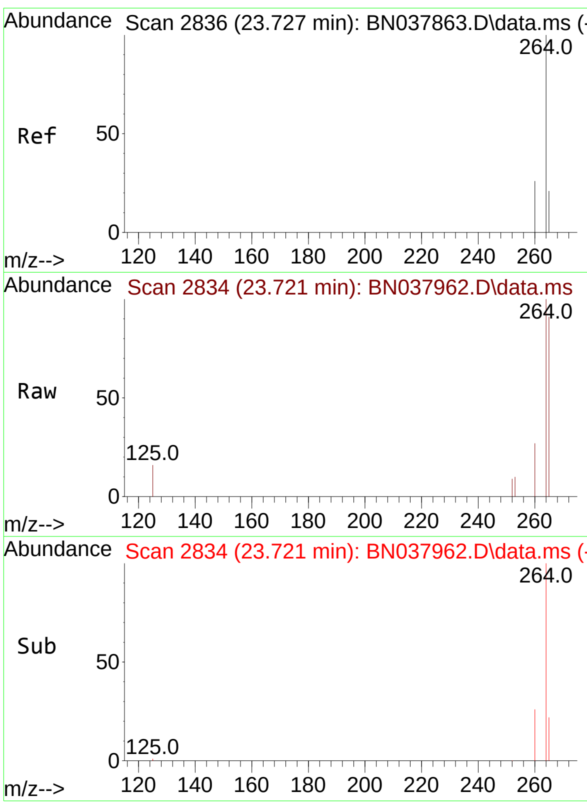
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17




```
#31
Terphenyl-d14
Concen:    0.413 ng
RT:  19.843 min  Scan# 20
Delta R.T.  -0.009 min
Lab File:   BN037962.D
Acq: 01 Oct 2025  01:46

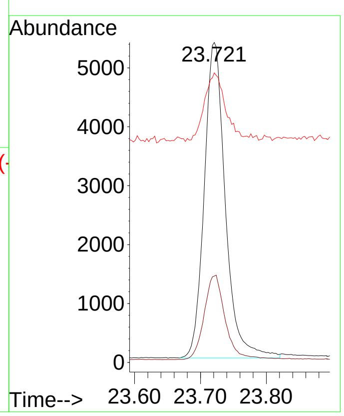
Tgt Ion:244 Resp:   11611
Ion  Ratio  Lower  Upper
244  100
212    9.4    7.6   11.4
122   18.3   13.9   20.9
```






```
#35
Perylene-d12
Concen:    0.400 ng
RT:  23.721 min  Scan# 2834
Delta R.T.  -0.006 min
Lab File:   BN037962.D
Acq: 01 Oct 2025  01:46

Tgt Ion:264 Resp:   11978
Ion  Ratio  Lower  Upper
264  100
260   27.0   21.5   32.3
265   90.5   53.8   80.6#
```



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:	PB169886BS		SDG No.:	Q3193	
Lab Sample ID:	PB169886BS		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
BN037958.D	1	09/29/25 08:43	09/30/25 22:37	PB169886

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	0.37		30 - 150		93%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.33		30 - 150		83%	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	0.40		58 - 132		100%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7450	7.811				
1146-65-2	Naphthalene-d8	21000	10.616				
15067-26-2	Acenaphthene-d10	11000	14.462				
1517-22-2	Phenanthrene-d10	22300	17.211				
1719-03-5	Chrysene-d12	16500	21.393				
1520-96-3	Perylene-d12	12900	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\BN093025\
Data File : BN037958.D
Acq On : 30 Sep 2025 22:37
Operator : RC/JU
Sample : PB169886BS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : PB169886BS

Quant Time: Oct 01 01:24:28 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	7452	0.400	ng	-0.01
7) Naphthalene-d8	10.616	136	21033	0.400	ng	-0.01
13) Acenaphthene-d10	14.462	164	11010	0.400	ng	-0.01
19) Phenanthrene-d10	17.211	188	22288	0.400	ng	#-0.01
29) Chrysene-d12	21.393	240	16510	0.400	ng	0.00
35) Perylene-d12	23.718	264	12940	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.384	112	6544	0.385	ng	0.00
5) Phenol-d6	6.973	99	8313	0.372	ng	0.00
8) Nitrobenzene-d5	8.961	82	5743	0.358	ng	-0.01
11) 2-Methylnaphthalene-d10	12.212	152	10863	0.372	ng	0.00
14) 2,4,6-Tribromophenol	15.957	330	1422	0.341	ng	-0.01
15) 2-Fluorobiphenyl	13.094	172	16646	0.369	ng	0.00
27) Fluoranthene-d10	19.248	212	18733	0.334	ng	0.00
31) Terphenyl-d14	19.847	244	13123	0.399	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.290	88	2274	0.301	ng	# 69
3) n-Nitrosodimethylamine	3.593	42	3433	0.341	ng	# 93
6) bis(2-Chloroethyl)ether	7.233	93	7625	0.368	ng	99
9) Naphthalene	10.669	128	20638	0.356	ng	99
10) Hexachlorobutadiene	10.968	225	3701	0.374	ng	# 100
12) 2-Methylnaphthalene	12.283	142	12675	0.335	ng	100
16) Acenaphthylene	14.184	152	19193	0.384	ng	99
17) Acenaphthene	14.527	154	12054	0.338	ng	99
18) Fluorene	15.510	166	14814	0.344	ng	100
20) 4,6-Dinitro-2-methylph...	15.585	198	734	0.326	ng	# 64
21) 4-Bromophenyl-phenylether	16.404	248	4995	0.344	ng	# 82
22) Hexachlorobenzene	16.528	284	6321	0.359	ng	99
23) Atrazine	16.677	200	3460	0.313	ng	# 92
24) Pentachlorophenol	16.863	266	3400	0.563	ng	97
25) Phenanthrene	17.260	178	25564	0.349	ng	100
26) Anthracene	17.347	178	22374	0.352	ng	100
28) Fluoranthene	19.276	202	25849	0.320	ng	100
30) Pyrene	19.638	202	25406	0.390	ng	100
32) Benzo(a)anthracene	21.375	228	21314	0.369	ng	100
33) Chrysene	21.429	228	23461	0.376	ng	99
34) Bis(2-ethylhexyl)phtha...	21.313	149	7865	0.345	ng	99
36) Indeno(1,2,3-cd)pyrene	26.089	276	20709	0.350	ng	98
37) Benzo(b)fluoranthene	23.016	252	21528	0.386	ng	98
38) Benzo(k)fluoranthene	23.060	252	21693	0.386	ng	98
39) Benzo(a)pyrene	23.616	252	17246	0.391	ng	98
40) Dibenzo(a,h)anthracene	26.104	278	16146	0.350	ng	98
41) Benzo(g,h,i)perylene	26.811	276	17457	0.360	ng	99

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

```
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN093025\
Data File : BN037958.D
Acq On    : 30 Sep 2025  22:37
Operator  : RC/JU
Sample    : PB169886BS
Misc      :
ALS Vial  : 16   Sample Multiplier: 1

Quant Time: Oct 01 01:24:28 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
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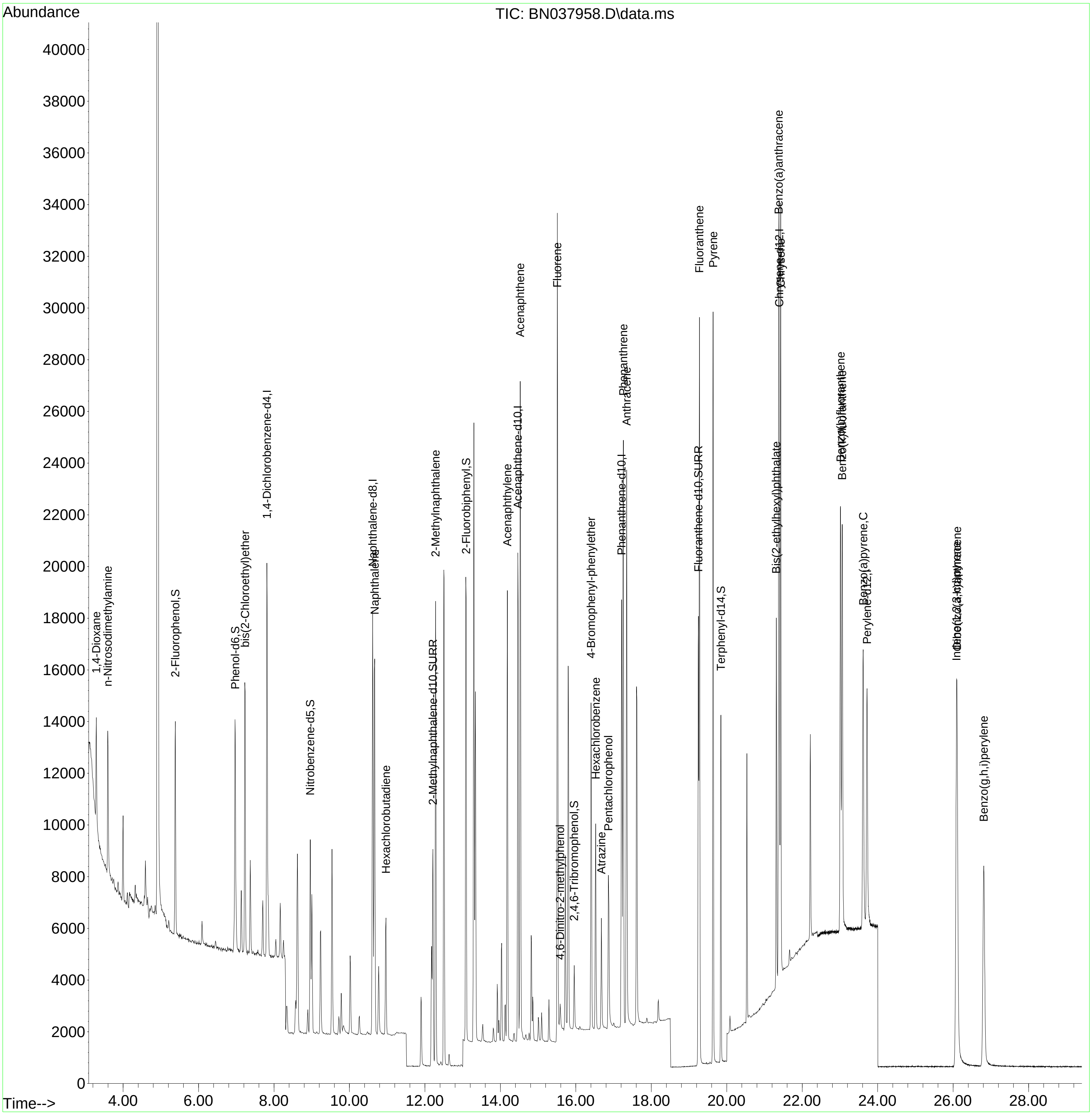
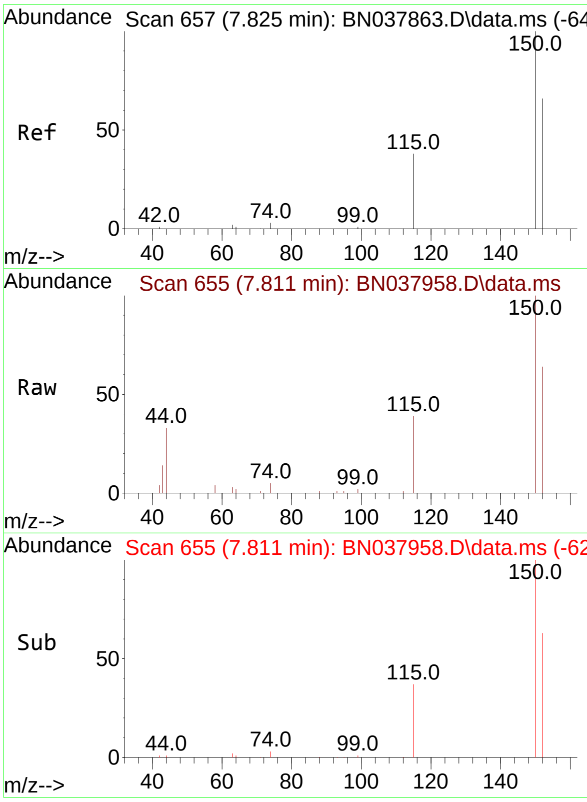
Instrument :
BNA_N
ClientSampleId :
PB169886BS



Instrument : BNA_N
ClientSampleId : PB169886BS

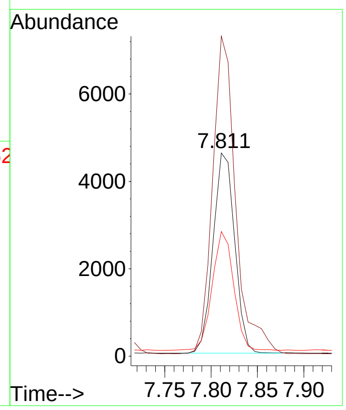
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

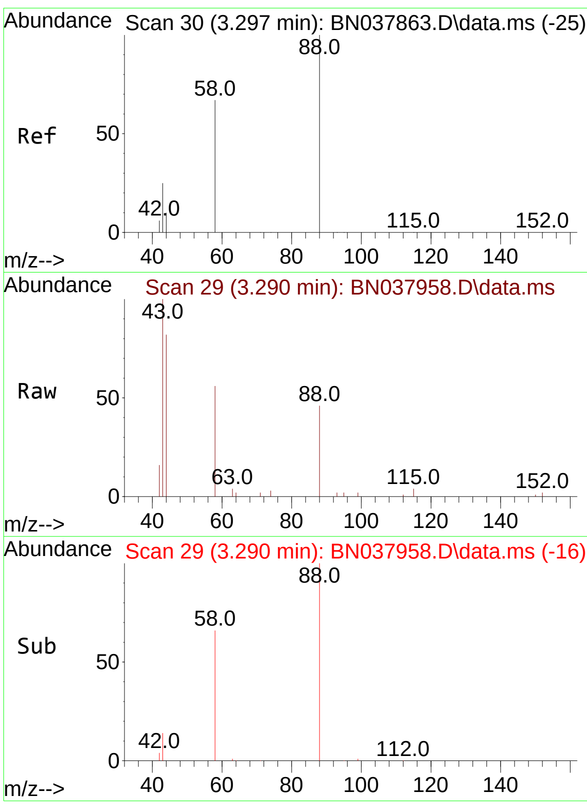


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.811 min Scan# 65
Delta R.T. -0.014 min
Lab File: BN037958.D
Acq: 30 Sep 2025 22:37

Tgt Ion:152 Resp: 7452

Ion	Ratio	Lower	Upper
152	100		
150	157.5	121.0	181.4
115	61.3	47.4	71.0

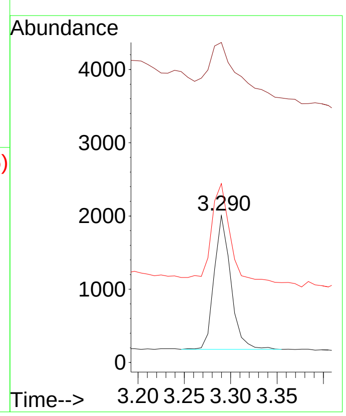




#2
1,4-Dioxane
Concen: 0.301 ng
RT: 3.290 min Scan# 29
Delta R.T. -0.007 min
Lab File: BN037958.D
Acq: 30 Sep 2025 22:37

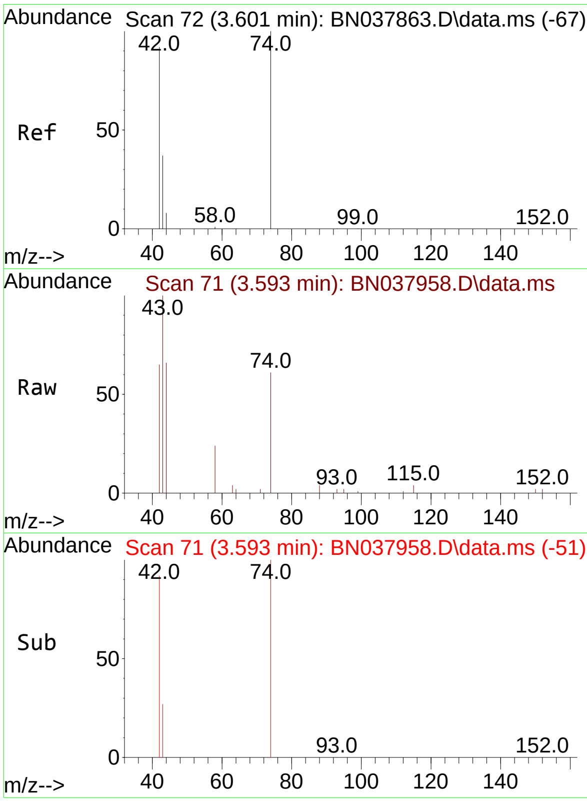
Tgt Ion: 88 Resp: 2274

Ion	Ratio	Lower	Upper
88	100		
43	74.9	26.6	39.8#
58	83.7	58.9	88.3



Instrument :
BNA_N
ClientSampleId :
PB169886BS

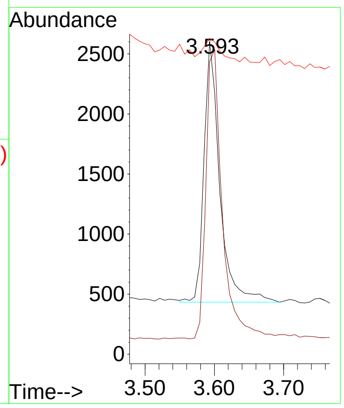
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

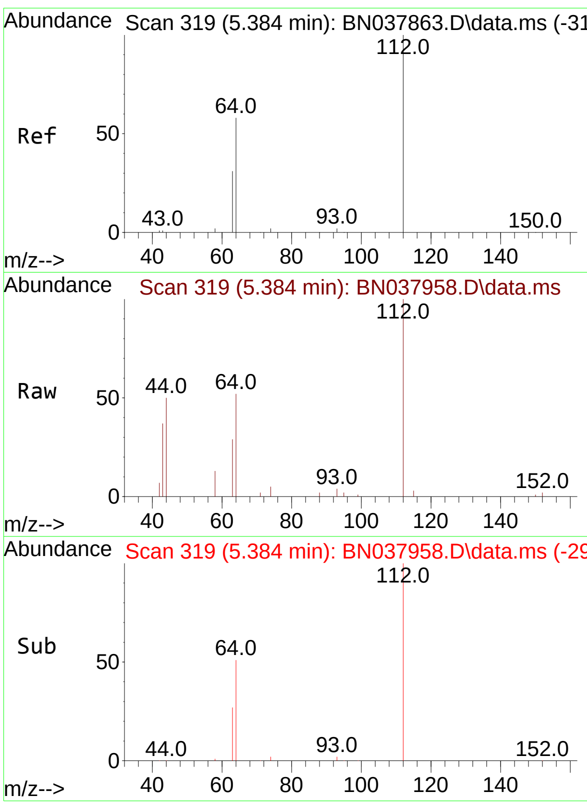


#3
n-Nitrosodimethylamine
Concen: 0.341 ng
RT: 3.593 min Scan# 71
Delta R.T. -0.007 min
Lab File: BN037958.D
Acq: 30 Sep 2025 22:37

Tgt Ion: 42 Resp: 3433

Ion	Ratio	Lower	Upper
42	100		
74	116.8	93.4	140.0
44	9.8	22.2	33.4#

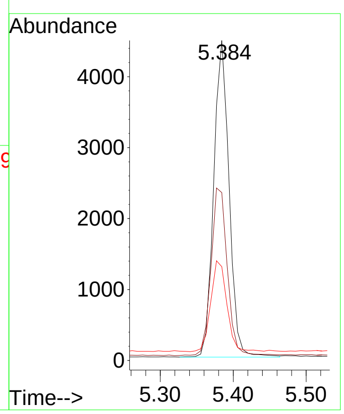




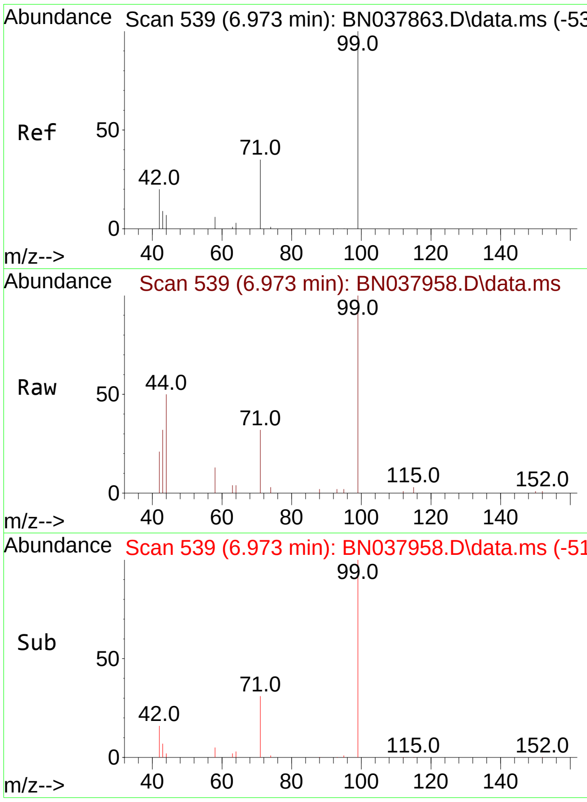
#4
2-Fluorophenol
Concen: 0.385 ng
RT: 5.384 min Scan# 319
Delta R.T. -0.000 min
Lab File: BN037958.D
Acq: 30 Sep 2025 22:37

Tgt Ion:112 Resp: 6544

Ion	Ratio	Lower	Upper
112	100		
64	56.7	44.6	66.8
63	30.1	24.9	37.3

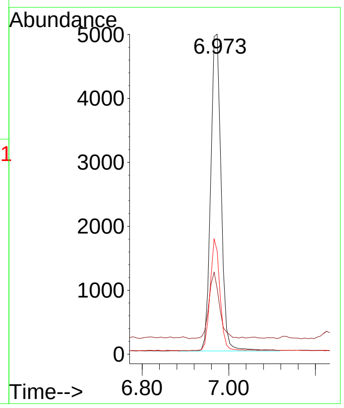


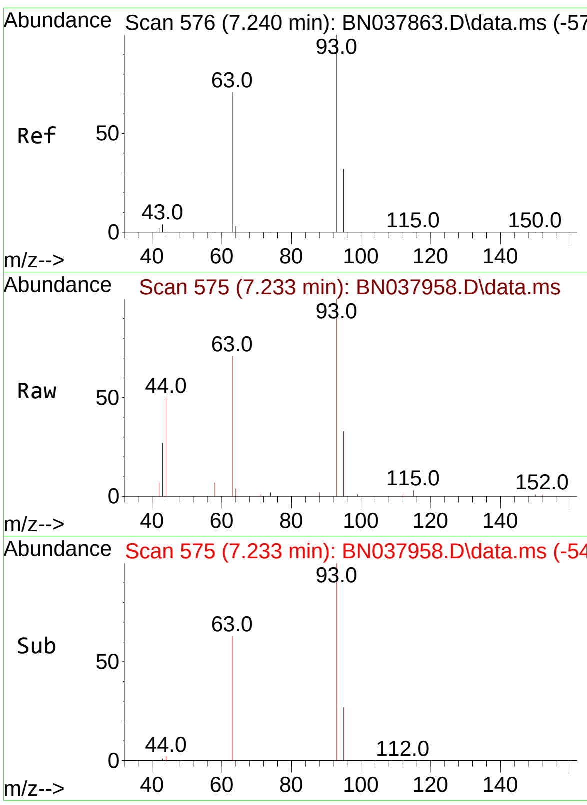
Instrument :
BNA_N
ClientSampleId :
PB169886BS




```
#5
Phenol-d6
Concen:    0.372 ng
RT:   6.973 min  Scan# 5
Delta R.T.  -0.000 min
Lab File:   BN037958.D
Acq: 30 Sep 2025  22:37

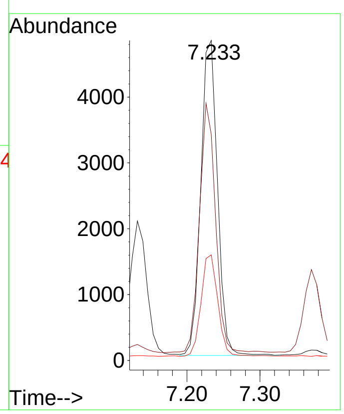
Tgt Ion: 99 Resp:    8313
Ion  Ratio  Lower  Upper
 99  100
 42   20.6   17.2   25.8
 71   33.2   27.3   40.9
```





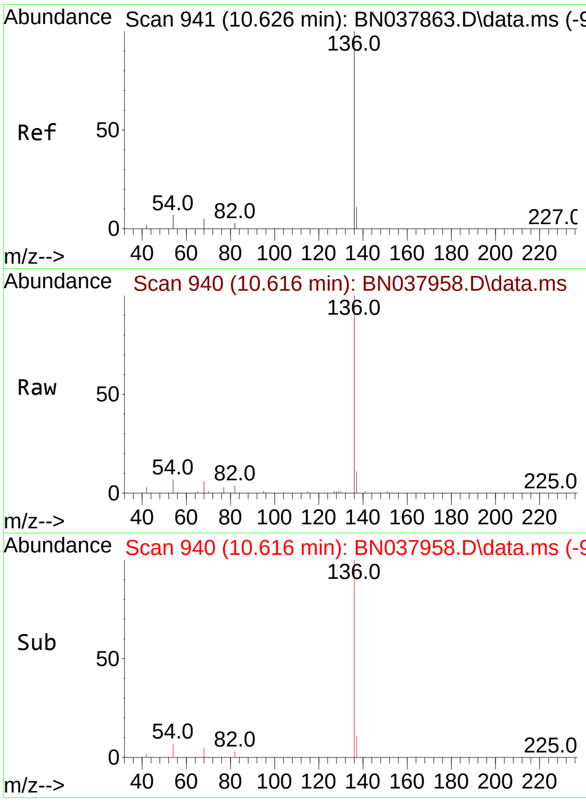

```
#6
bis(2-Chloroethyl)ether
Concen:    0.368 ng
RT:   7.233 min  Scan# 575
Delta R.T.  -0.007 min
Lab File:   BN037958.D
Acq: 30 Sep 2025  22:37

Tgt Ion: 93 Resp:    7625
Ion  Ratio  Lower  Upper
 93  100
 63   76.2   60.1   90.1
 95   32.5   25.4   38.2
```



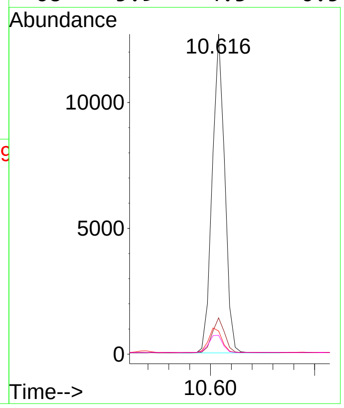
Instrument :
BNA_N
ClientSampleId :
PB169886BS

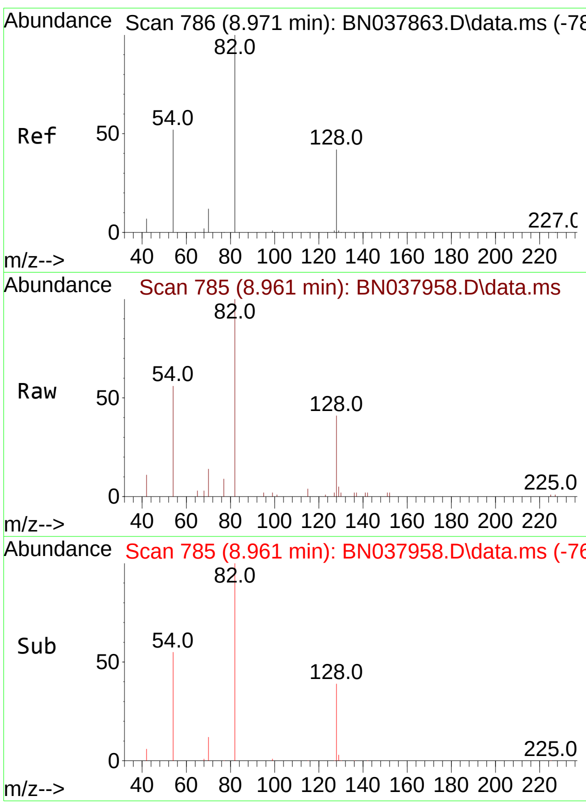
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17




```
#7
Naphthalene-d8
Concen:    0.400 ng
RT:  10.616 min  Scan# 94
Delta R.T.   -0.011 min
Lab File:    BN037958.D
Acq: 30 Sep 2025   22:37

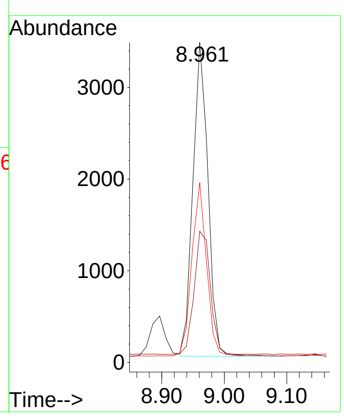
Tgt Ion:136 Resp:    21033
Ion   Ratio   Lower   Upper
136   100
137    11.4     9.0    13.4
 54     7.3     5.8     8.8
 68     5.9     4.3     6.5
```



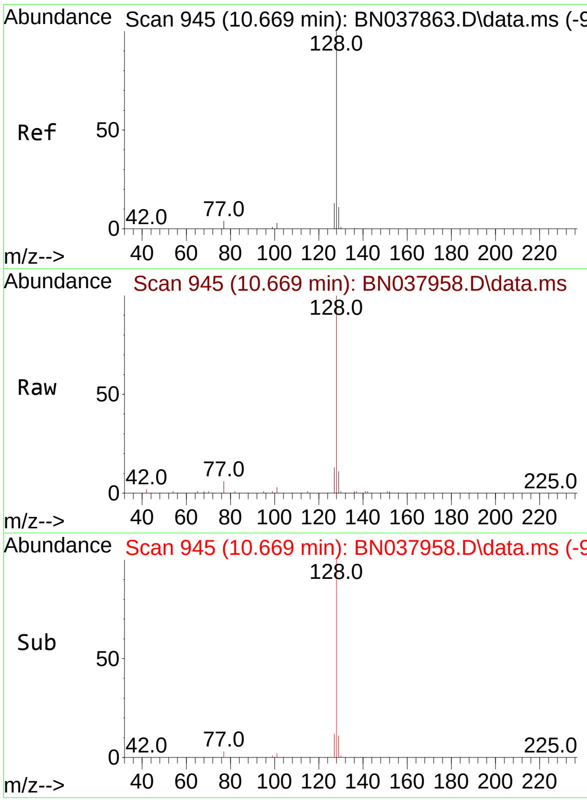



```
#8
Nitrobenzene-d5
Concen:    0.358 ng
RT:   8.961 min  Scan# 785
Delta R.T.   -0.011 min
Lab File:    BN037958.D
Acq: 30 Sep 2025   22:37

Tgt Ion: 82 Resp:     5743
Ion   Ratio   Lower   Upper
 82   100
128    41.0    34.8    52.2
 54    56.1    42.2    63.2
```

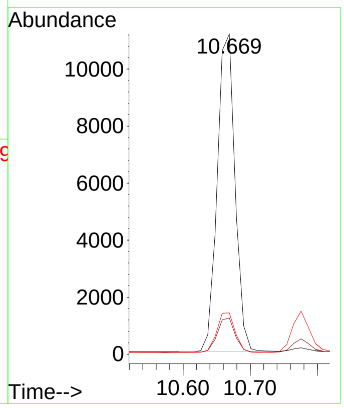


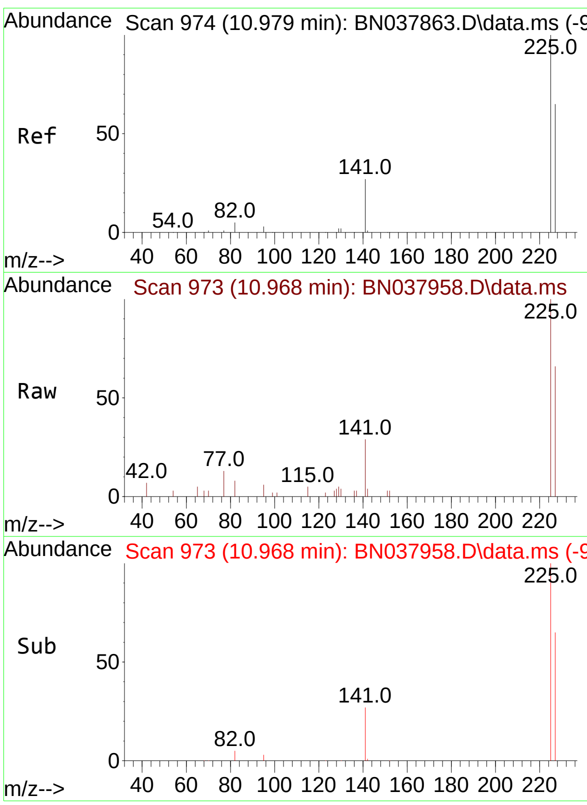
Instrument : BNA_N
ClientSampleId : PB169886BS




```
#9
Naphthalene
Concen:    0.356 ng
RT:  10.669 min  Scan# 94
Delta R.T.  -0.000 min
Lab File:   BN037958.D
Acq: 30 Sep 2025  22:37

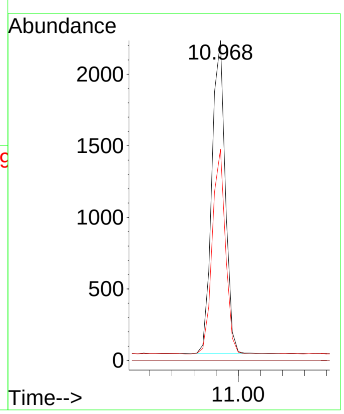
Tgt Ion:128 Resp:   20638
Ion  Ratio  Lower  Upper
128  100
129   11.3    9.2   13.8
127   12.9   11.0   16.6
```



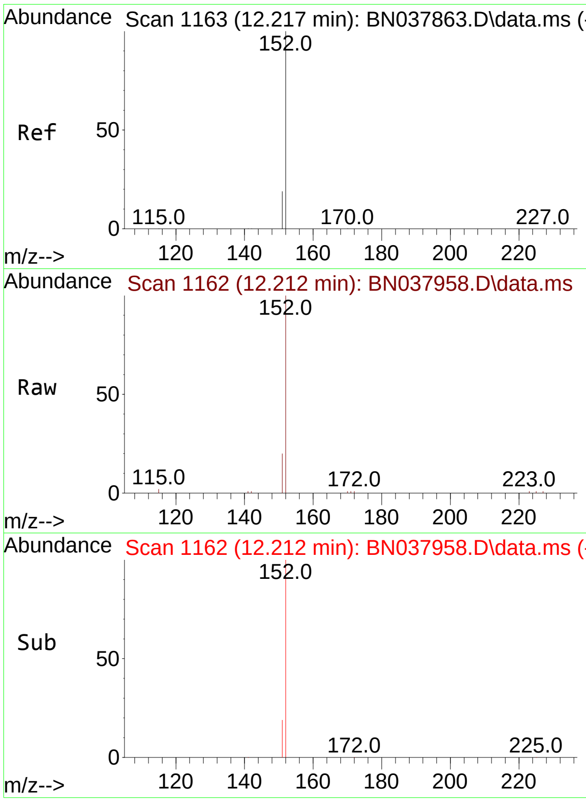



```
#10
Hexachlorobutadiene
Concen:    0.374 ng
RT:  10.968 min  Scan# 973
Delta R.T.  -0.011 min
Lab File:   BN037958.D
Acq: 30 Sep 2025  22:37

Tgt Ion:225 Resp:    3701
Ion  Ratio  Lower  Upper
225  100
223    0.0    0.0    0.0
227   64.3   51.4   77.2
```



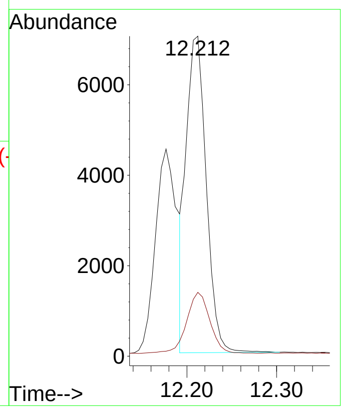
Instrument :
BNA_N
ClientSampleId :
PB169886BS

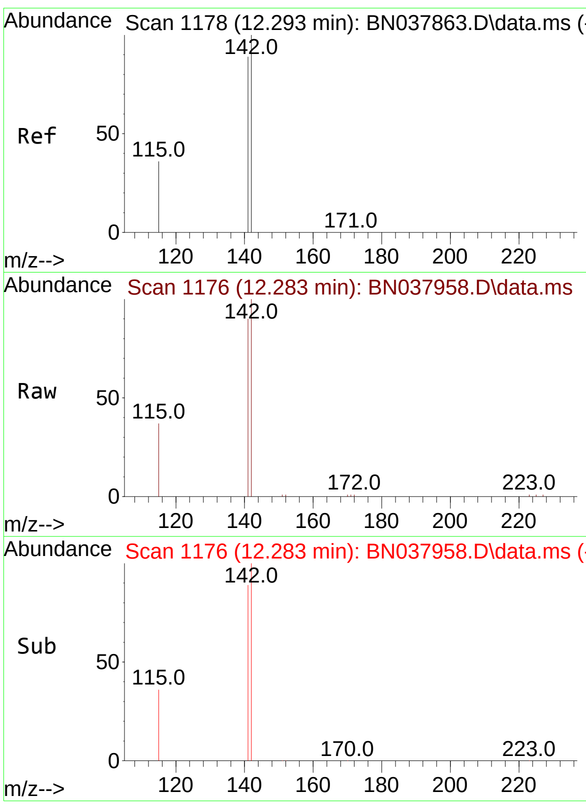


#11
2-Methylnaphthalene-d10
Concen: 0.372 ng
RT: 12.212 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN037958.D
Acq: 30 Sep 2025 22:37

Tgt Ion:152 Resp: 10863

Ion	Ratio	Lower	Upper
152	100		
151	22.6	17.4	26.2

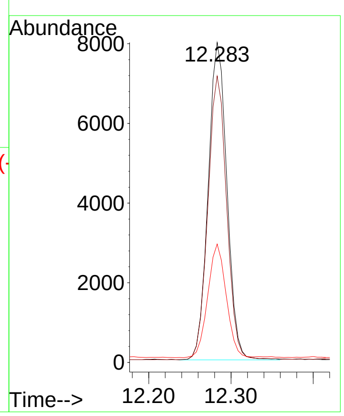




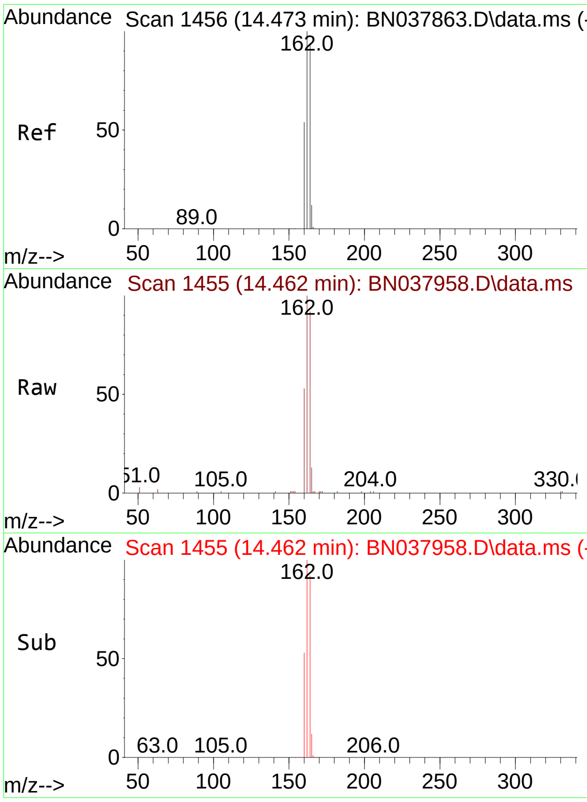
#12
2-Methylnaphthalene
Concen: 0.335 ng
RT: 12.283 min Scan# 1176
Delta R.T. -0.010 min
Lab File: BN037958.D
Acq: 30 Sep 2025 22:37

Tgt Ion:142 Resp: 12675

Ion	Ratio	Lower	Upper
142	100		
141	89.5	71.2	106.8
115	37.0	29.7	44.5



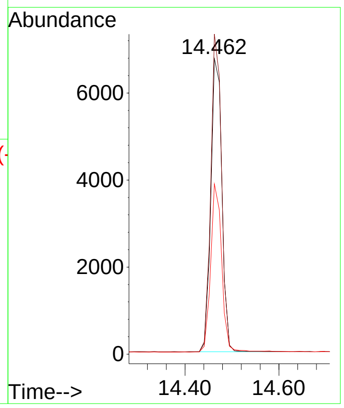
Instrument :
BNA_N
ClientSampleId :
PB169886BS

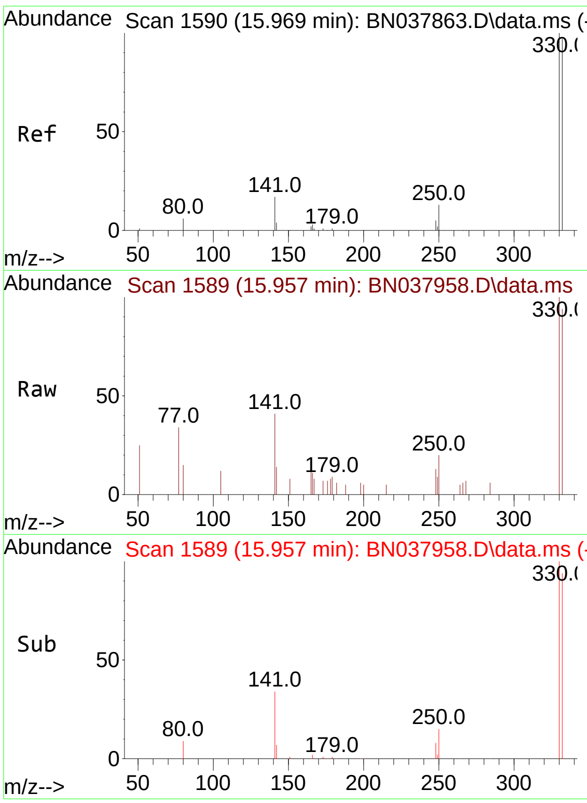


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.462 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN037958.D
Acq: 30 Sep 2025 22:37

Tgt Ion:164 Resp: 11010

Ion	Ratio	Lower	Upper
164	100		
162	108.3	84.8	127.2
160	57.6	46.1	69.1

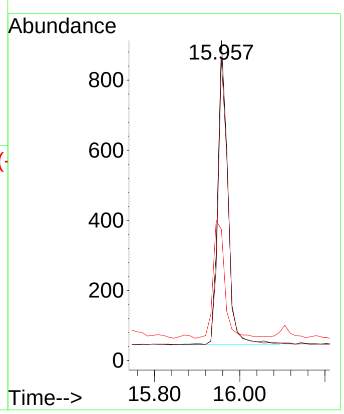




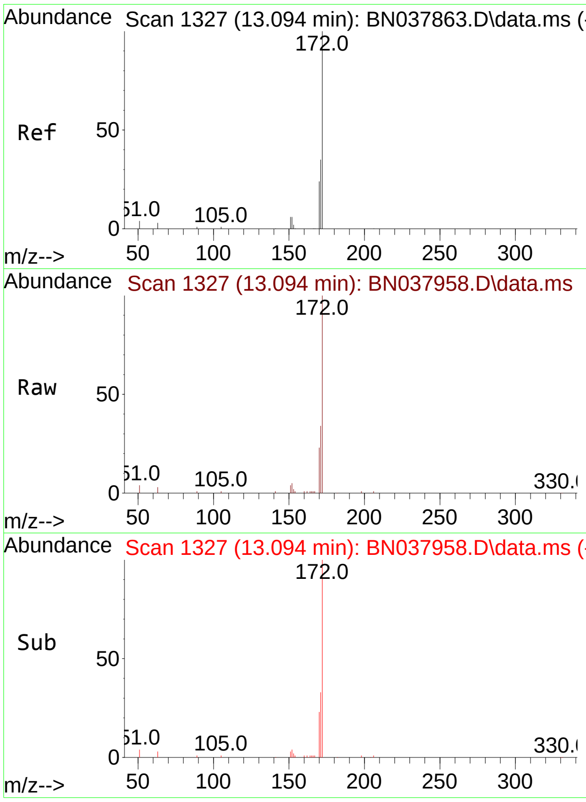
#14
2,4,6-Tribromophenol
Concen: 0.341 ng
RT: 15.957 min Scan# 1589
Delta R.T. -0.012 min
Lab File: BN037958.D
Acq: 30 Sep 2025 22:37

Tgt Ion:330 Resp: 1422

Ion	Ratio	Lower	Upper
330	100		
332	94.4	77.2	115.8
141	45.4	37.2	55.8

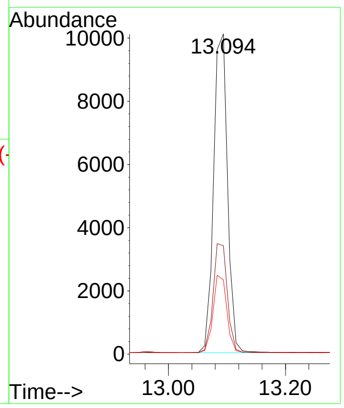


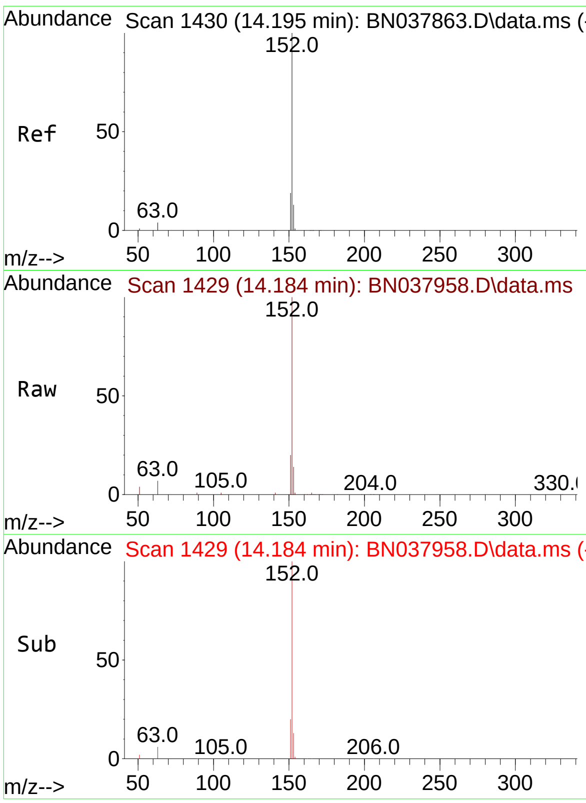
Instrument :
BNA_N
ClientSampleId :
PB169886BS




```
#15
2-Fluorobiphenyl
Concen:    0.369 ng
RT:  13.094 min  Scan# 1
Delta R.T.   -0.000 min
Lab File:    BN037958.D
Acq: 30 Sep 2025   22:37

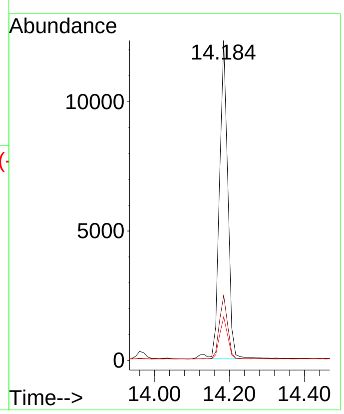
Tgt Ion:172 Resp:   16646
Ion  Ratio  Lower  Upper
172  100
171   33.9   28.6   43.0
170   23.2   19.7   29.5
```



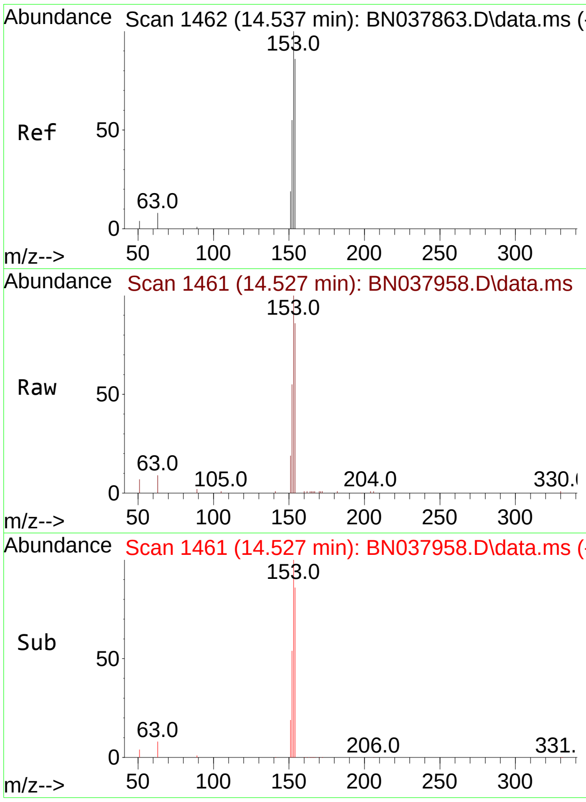



```
#16
Acenaphthylene
Concen:    0.384 ng
RT:  14.184 min  Scan# 1429
Delta R.T.   -0.011 min
Lab File:    BN037958.D
Acq: 30 Sep 2025   22:37

Tgt Ion:152 Resp:   19193
Ion  Ratio  Lower  Upper
152  100
151   19.5   15.8   23.8
153   13.0   10.5   15.7
```



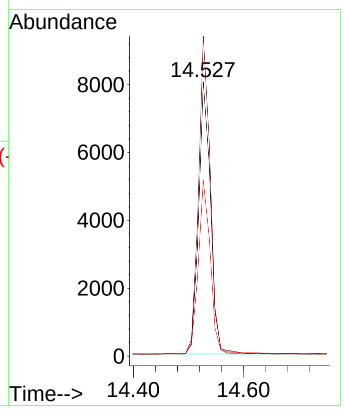
Instrument : BNA_N
ClientSampleId : PB169886BS

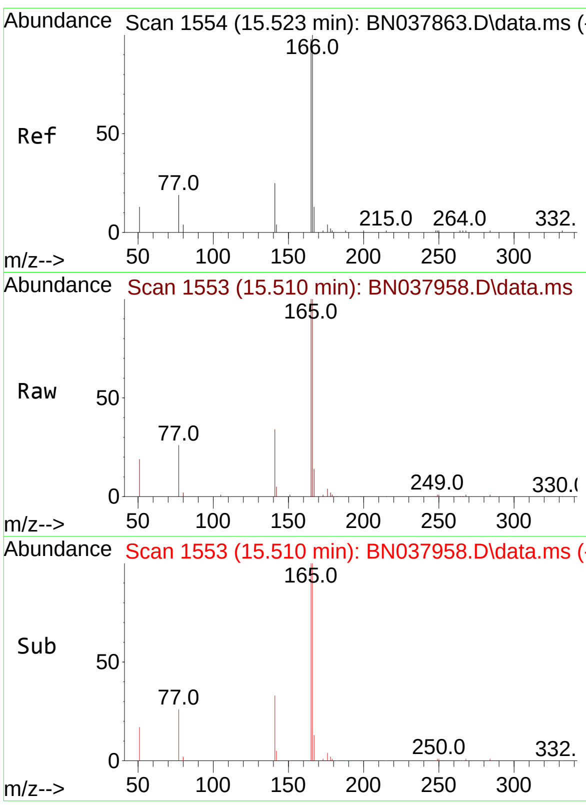


#17
Acenaphthene
Concen: 0.338 ng
RT: 14.527 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN037958.D
Acq: 30 Sep 2025 22:37

Tgt Ion:154 Resp: 12054

Ion	Ratio	Lower	Upper
154	100		
153	114.8	90.5	135.7
152	64.7	51.8	77.8

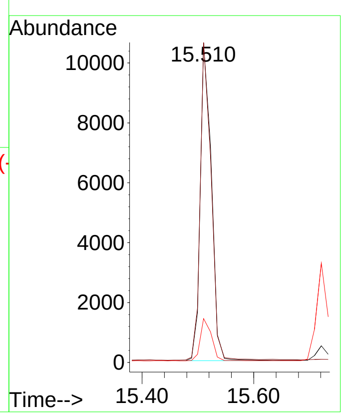




#18
Fluorene
Concen: 0.344 ng
RT: 15.510 min Scan# 1553
Delta R.T. -0.012 min
Lab File: BN037958.D
Acq: 30 Sep 2025 22:37

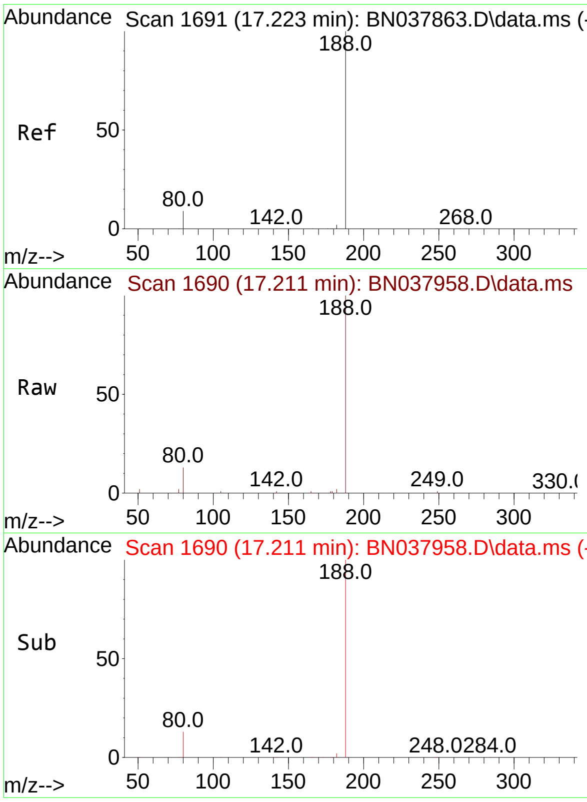
Tgt Ion:166 Resp: 14814

Ion	Ratio	Lower	Upper
166	100		
165	98.3	79.0	118.4
167	13.2	10.6	16.0



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

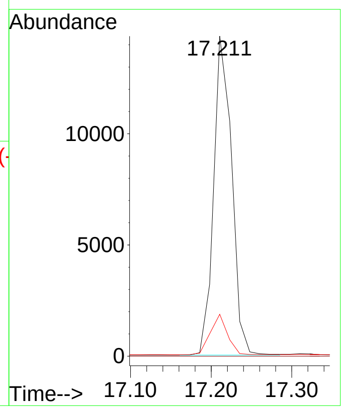
Instrument :
BNA_N
ClientSampleId :
PB169886BS

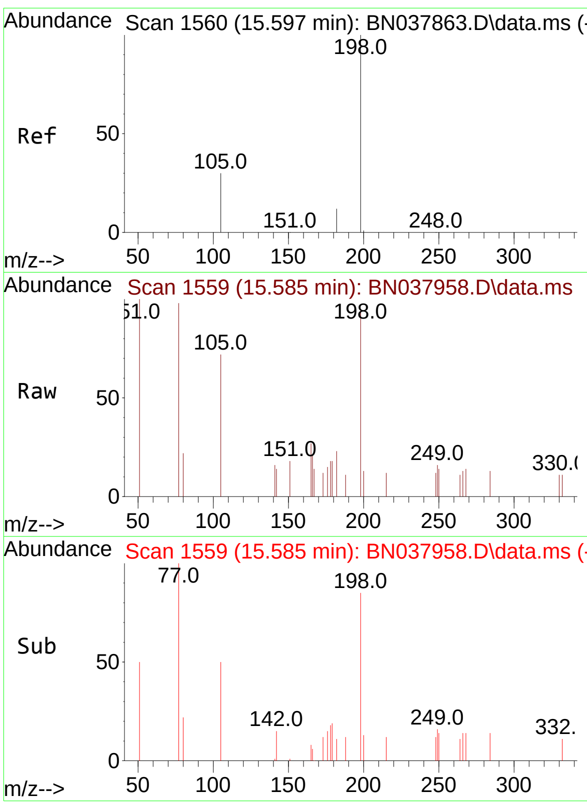


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.211 min Scan# 1(
Delta R.T. -0.012 min
Lab File: BN037958.D
Acq: 30 Sep 2025 22:37

Tgt Ion:188 Resp: 22288

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	13.1	7.6	11.4#

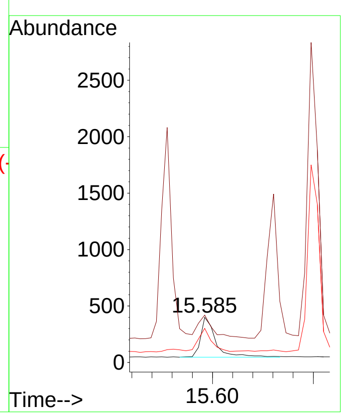




#20
4,6-Dinitro-2-methylphenol
Concen: 0.326 ng
RT: 15.585 min Scan# 1559
Delta R.T. -0.012 min
Lab File: BN037958.D
Acq: 30 Sep 2025 22:37

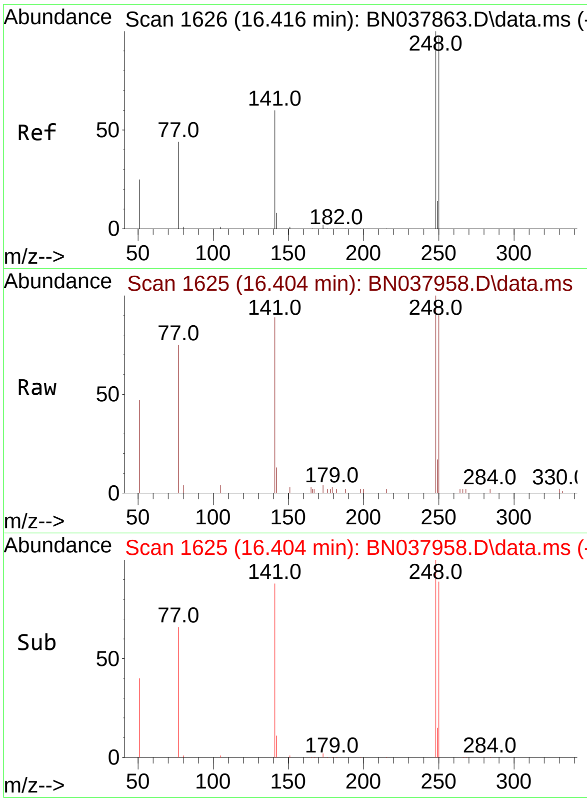
Tgt Ion:198 Resp: 734

Ion	Ratio	Lower	Upper
198	100		
51	104.8	59.1	88.7#
105	75.5	41.3	61.9#



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

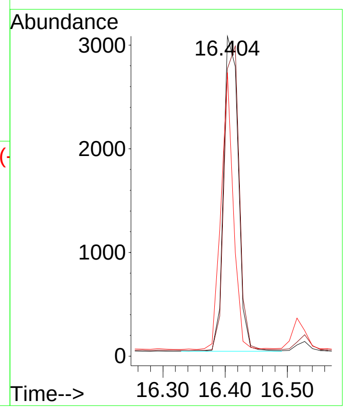
Instrument :
BNA_N
ClientSampleId :
PB169886BS

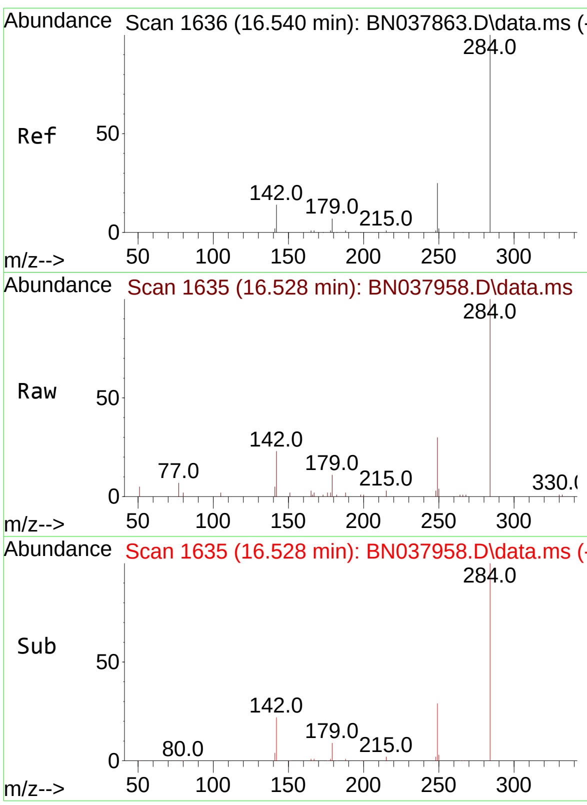


#21
4-Bromophenyl-phenylether
Concen: 0.344 ng
RT: 16.404 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037958.D
Acq: 30 Sep 2025 22:37

Tgt Ion:248 Resp: 4995

Ion	Ratio	Lower	Upper
248	100		
250	89.9	77.6	116.4
141	88.6	48.8	73.2#

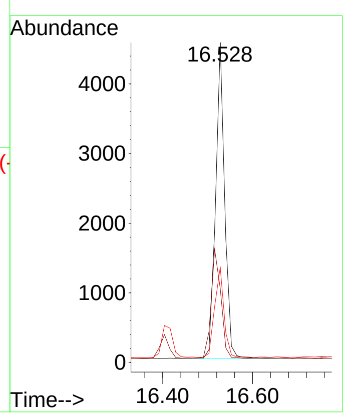




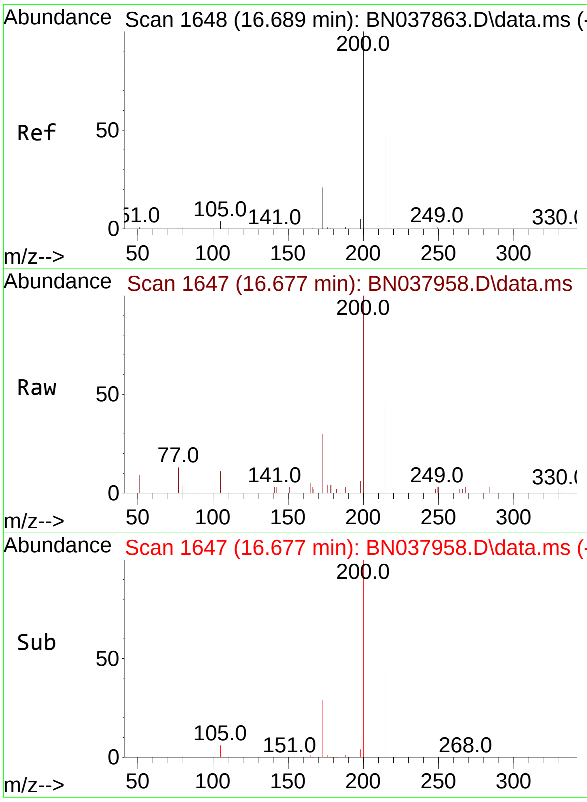
#22
Hexachlorobenzene
Concen: 0.359 ng
RT: 16.528 min Scan# 1635
Delta R.T. -0.012 min
Lab File: BN037958.D
Acq: 30 Sep 2025 22:37

Tgt Ion:284 Resp: 6321

Ion	Ratio	Lower	Upper
284	100		
142	37.4	30.9	46.3
249	29.7	23.9	35.9



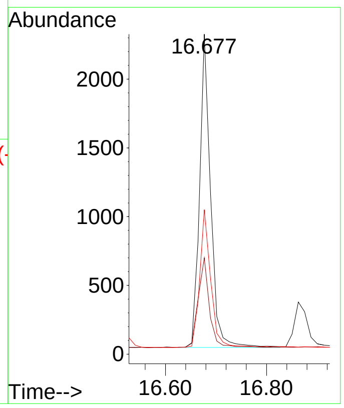
Instrument : BNA_N
ClientSampleId : PB169886BS

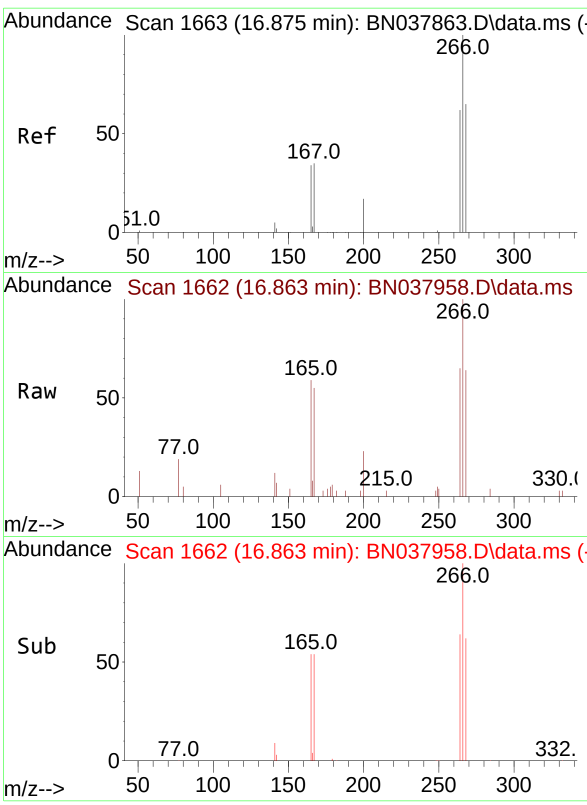


#23
Atrazine
Concen: 0.313 ng
RT: 16.677 min Scan# 1(
Delta R.T. -0.012 min
Lab File: BN037958.D
Acq: 30 Sep 2025 22:37

Tgt Ion:200 Resp: 3460

Ion	Ratio	Lower	Upper
200	100		
173	30.1	18.3	27.5#
215	45.1	38.6	58.0

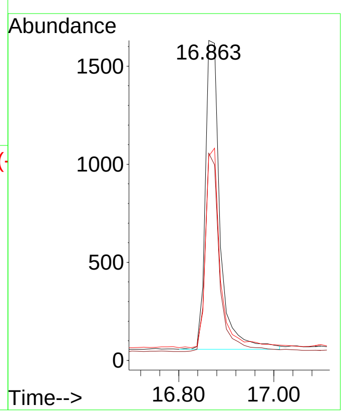




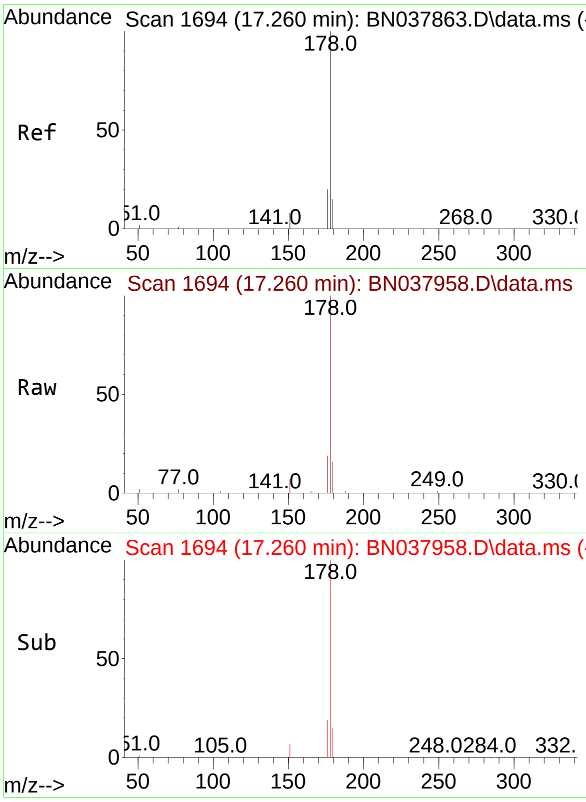
#24
Pentachlorophenol
Concen: 0.563 ng
RT: 16.863 min Scan# 1662
Delta R.T. -0.012 min
Lab File: BN037958.D
Acq: 30 Sep 2025 22:37

Tgt Ion:266 Resp: 3400

Ion	Ratio	Lower	Upper
266	100		
264	62.6	50.9	76.3
268	64.0	54.3	81.5



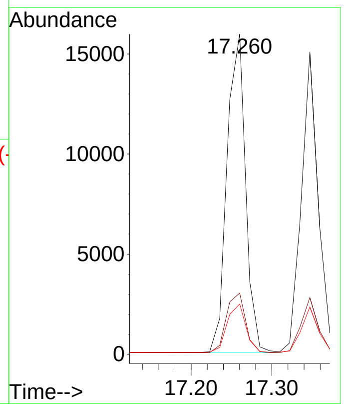
Instrument :
BNA_N
ClientSampleId :
PB169886BS

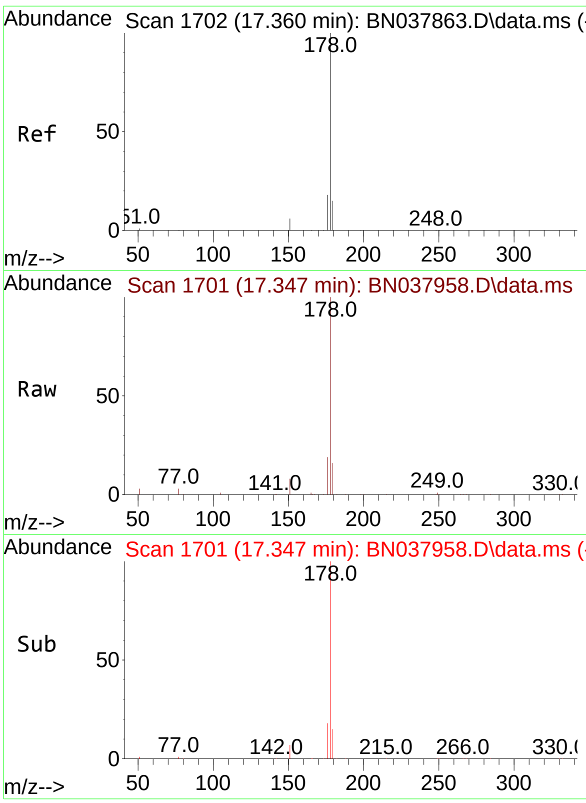


#25
Phenanthrene
Concen: 0.349 ng
RT: 17.260 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037958.D
Acq: 30 Sep 2025 22:37

Tgt Ion:178 Resp: 25564

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.7	23.5
179	15.3	12.3	18.5

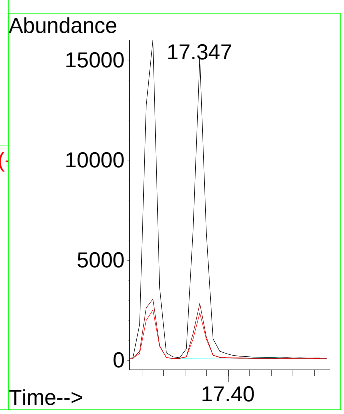




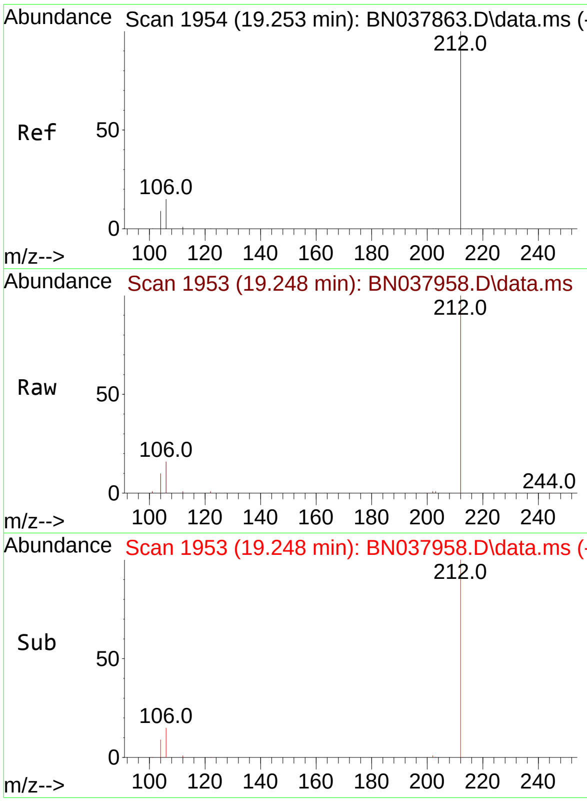
#26
Anthracene
Concen: 0.352 ng
RT: 17.347 min Scan# 1701
Delta R.T. -0.012 min
Lab File: BN037958.D
Acq: 30 Sep 2025 22:37

Tgt Ion:178 Resp: 22374

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.4
179	15.1	12.3	18.5



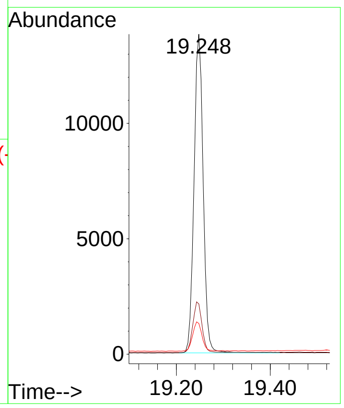
Instrument :
BNA_N
ClientSampleId :
PB169886BS

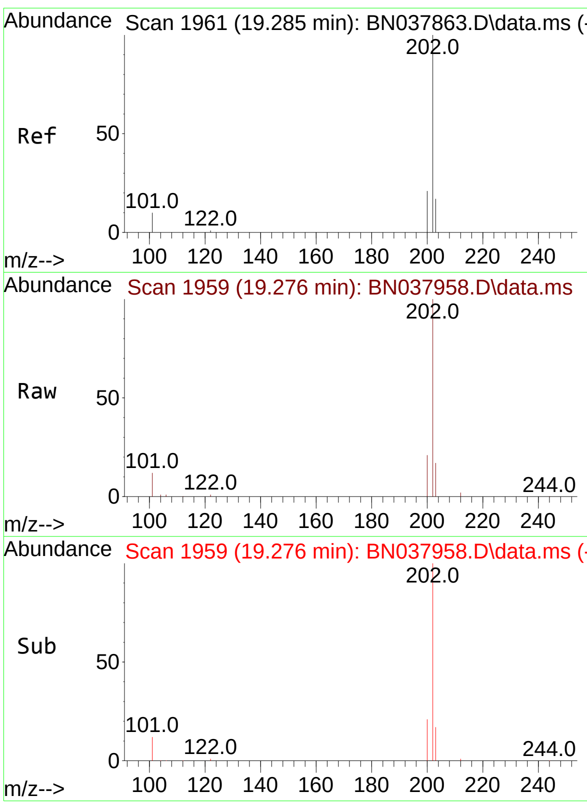


#27
Fluoranthene-d10
Concen: 0.334 ng
RT: 19.248 min Scan# 19
Delta R.T. -0.005 min
Lab File: BN037958.D
Acq: 30 Sep 2025 22:37

Tgt Ion:212 Resp: 18733

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

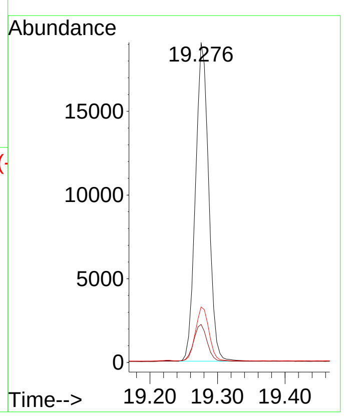




#28
Fluoranthene
Concen: 0.320 ng
RT: 19.276 min Scan# 1959
Delta R.T. -0.009 min
Lab File: BN037958.D
Acq: 30 Sep 2025 22:37

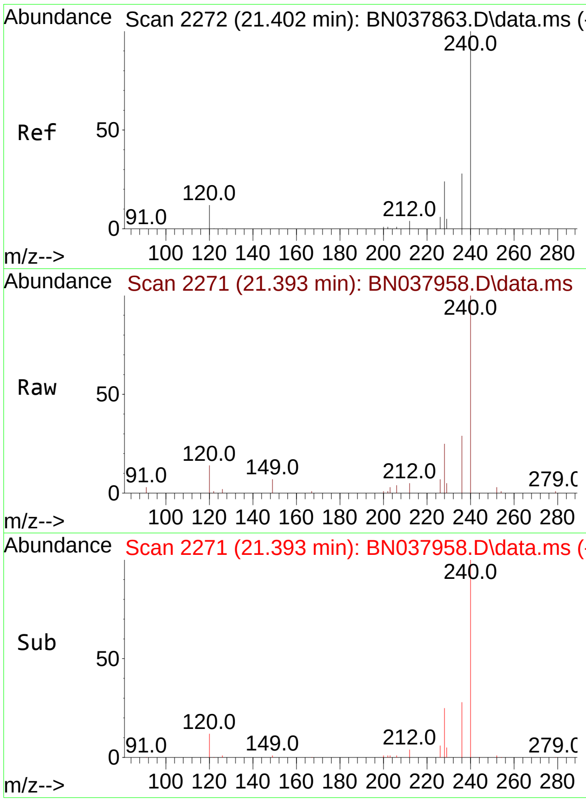
Tgt Ion:202 Resp: 25849

Ion	Ratio	Lower	Upper
202	100		
101	11.8	9.3	13.9
203	17.0	13.6	20.4



Instrument :
BNA_N
ClientSampleId :
PB169886BS

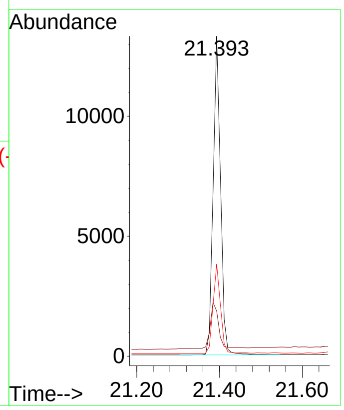
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

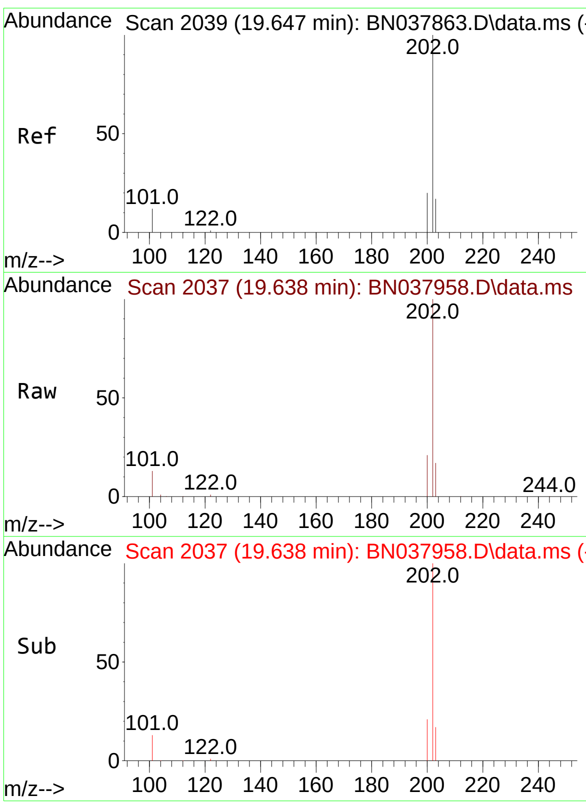


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.393 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037958.D
Acq: 30 Sep 2025 22:37

Tgt Ion:240 Resp: 16510

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

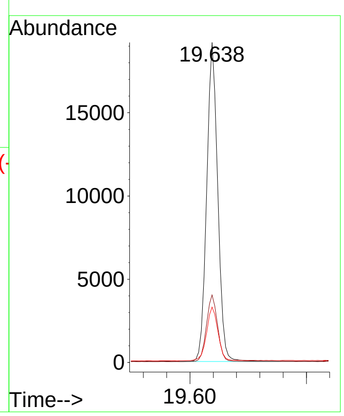




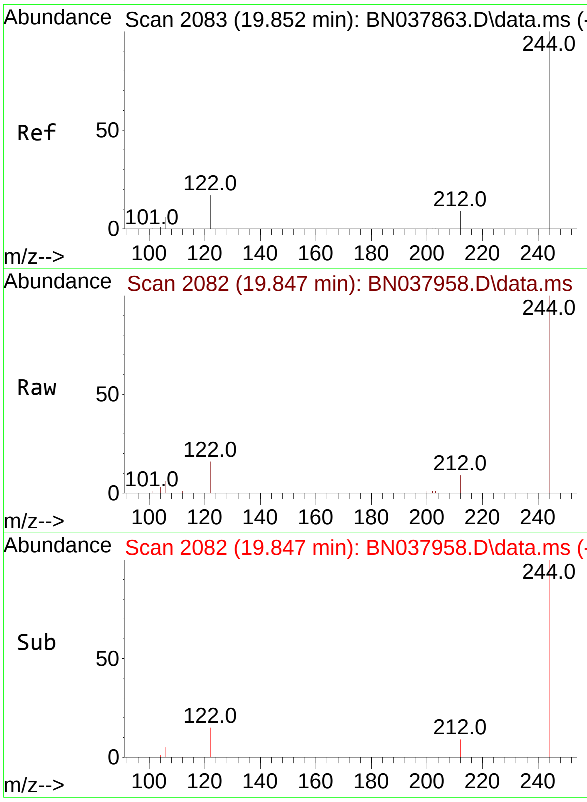
#30
Pyrene
Concen: 0.390 ng
RT: 19.638 min Scan# 2037
Delta R.T. -0.009 min
Lab File: BN037958.D
Acq: 30 Sep 2025 22:37

Tgt Ion:202 Resp: 25406

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.7	25.1
203	17.6	14.2	21.4



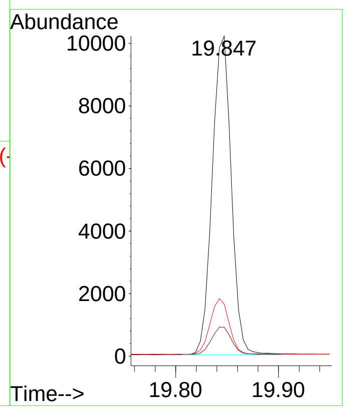
Instrument :
BNA_N
ClientSampleId :
PB169886BS

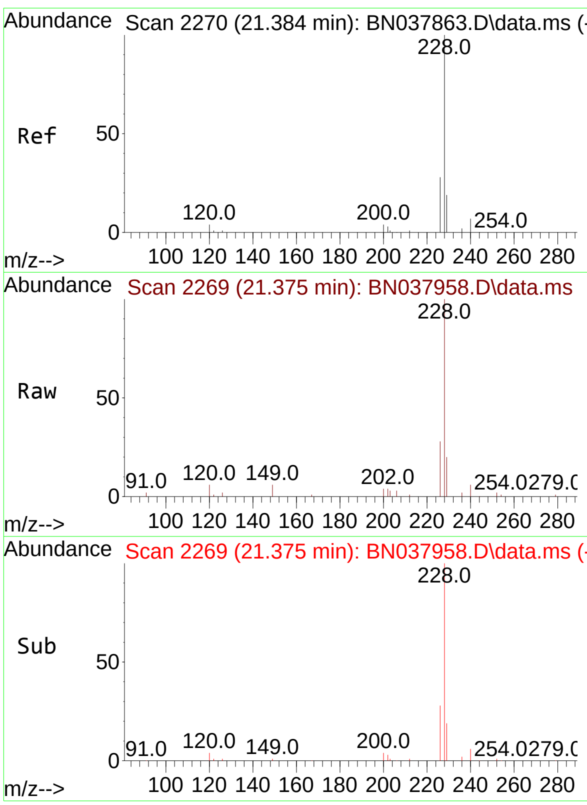


#31
Terphenyl-d14
Concen: 0.399 ng
RT: 19.847 min Scan# 20
Delta R.T. -0.005 min
Lab File: BN037958.D
Acq: 30 Sep 2025 22:37

Tgt Ion:244 Resp: 13123

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

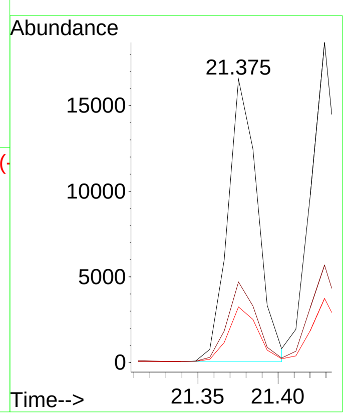




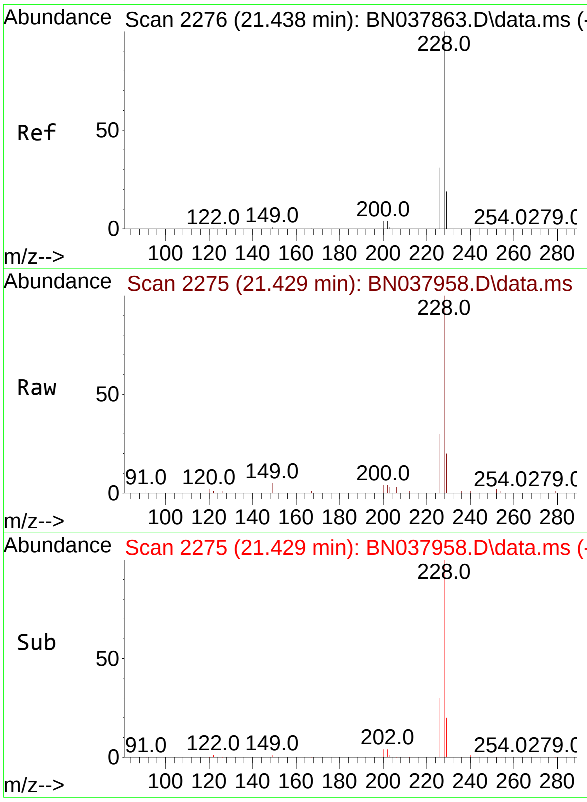
#32
Benzo(a)anthracene
Concen: 0.369 ng
RT: 21.375 min Scan# 2269
Delta R.T. -0.009 min
Lab File: BN037958.D
Acq: 30 Sep 2025 22:37

Tgt Ion:228 Resp: 21314

Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.6	33.8
229	19.6	15.6	23.4



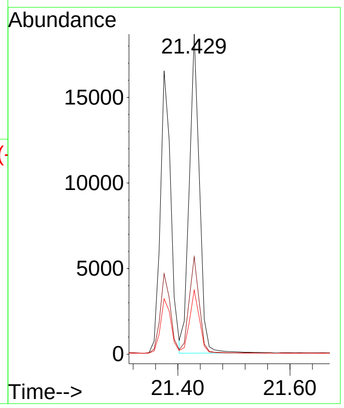
Instrument : BNA_N
ClientSampleId : PB169886BS

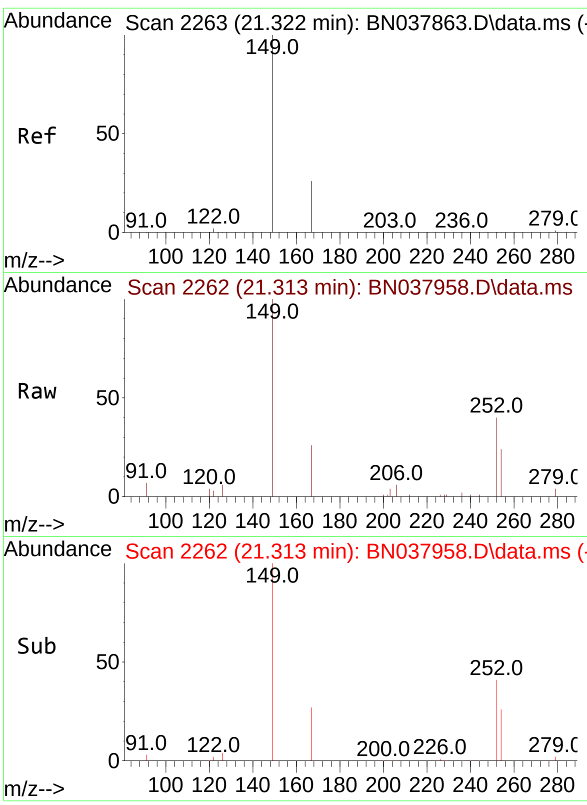


#33
Chrysene
Concen: 0.376 ng
RT: 21.429 min Scan# 2275
Delta R.T. -0.009 min
Lab File: BN037958.D
Acq: 30 Sep 2025 22:37

Tgt Ion:228 Resp: 23461

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.6	37.0
229	20.0	15.6	23.4

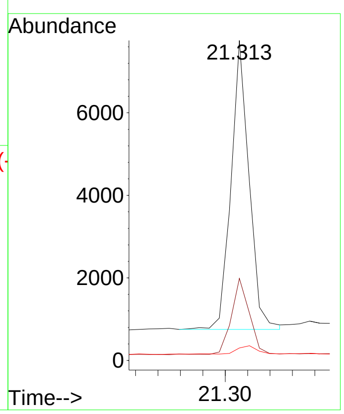




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.345 ng
RT: 21.313 min Scan# 2262
Delta R.T. -0.009 min
Lab File: BN037958.D
Acq: 30 Sep 2025 22:37

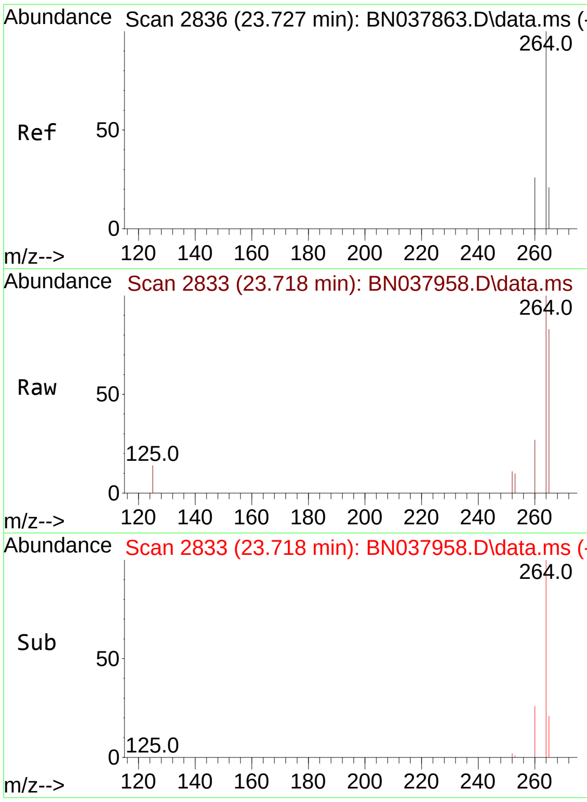
Tgt Ion:149 Resp: 7865

Ion	Ratio	Lower	Upper
149	100		
167	26.1	20.4	30.6
279	3.0	2.4	3.6



Instrument : BNA_N

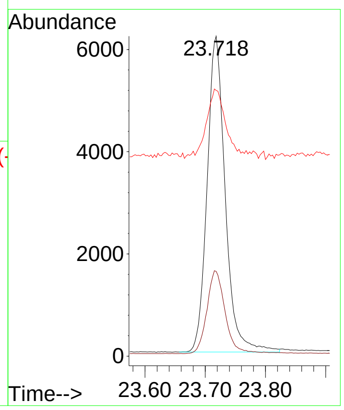
ClientSampleId : PB169886BS

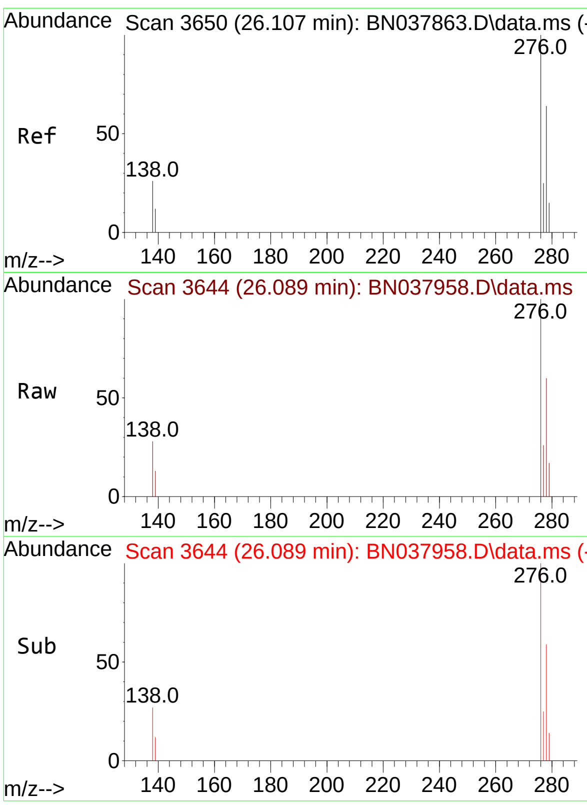


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.718 min Scan# 28
Delta R.T. -0.009 min
Lab File: BN037958.D
Acq: 30 Sep 2025 22:37

Tgt Ion:264 Resp: 12940

Ion	Ratio	Lower	Upper
264	100		
260	26.5	21.5	32.3
265	83.1	53.8	80.6#

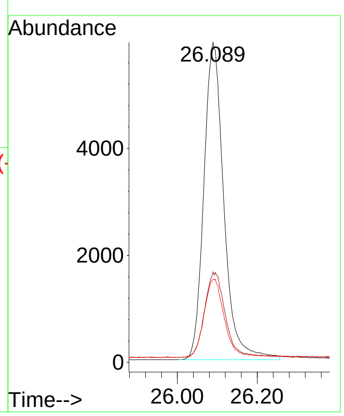




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.350 ng
RT: 26.089 min Scan# 3644
Delta R.T. -0.018 min
Lab File: BN037958.D
Acq: 30 Sep 2025 22:37

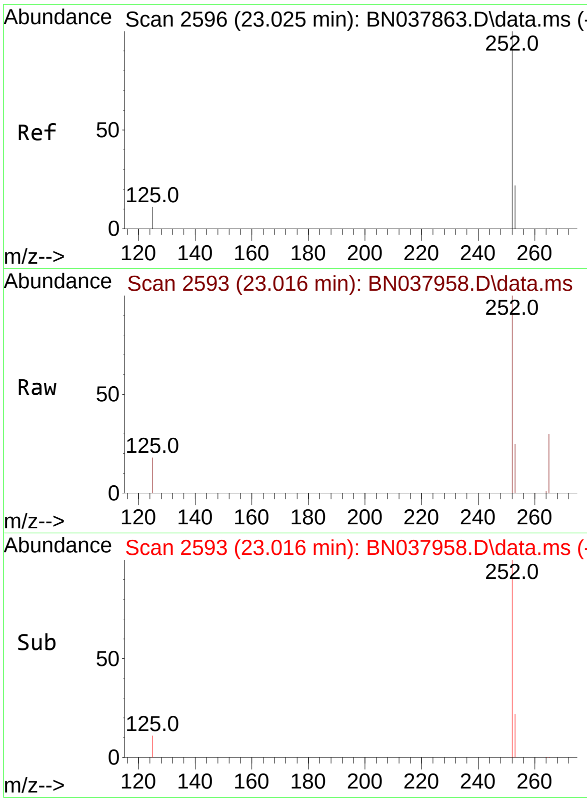
Tgt Ion:276 Resp: 20709

Ion	Ratio	Lower	Upper
276	100		
138	27.4	21.4	32.0
277	24.3	20.3	30.5



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

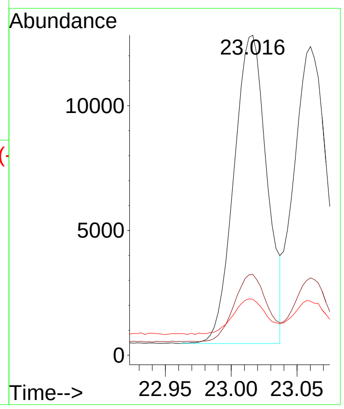
Instrument :
BNA_N
ClientSampleId :
PB169886BS

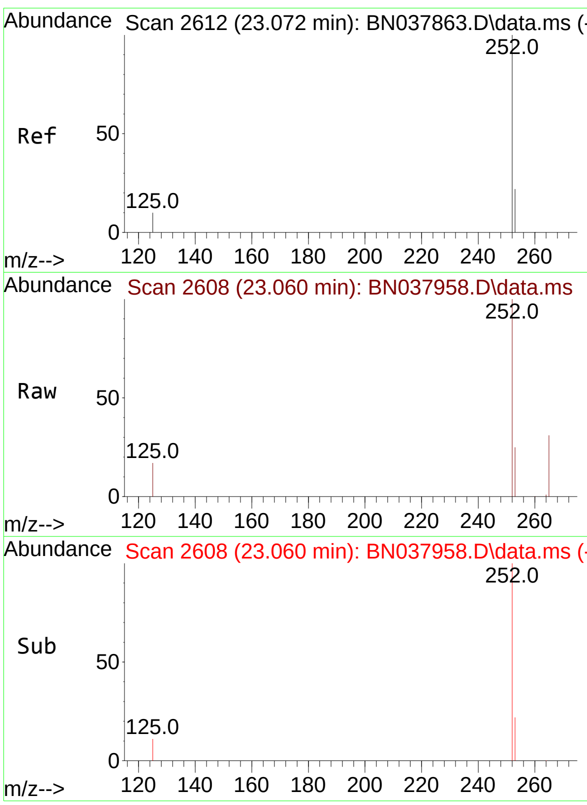


#37
Benzo(b)fluoranthene
Concen: 0.386 ng
RT: 23.016 min Scan# 2!
Delta R.T. -0.009 min
Lab File: BN037958.D
Acq: 30 Sep 2025 22:37

Tgt Ion:252 Resp: 21528

Ion	Ratio	Lower	Upper
252	100		
253	25.2	19.4	29.0
125	17.5	13.0	19.4

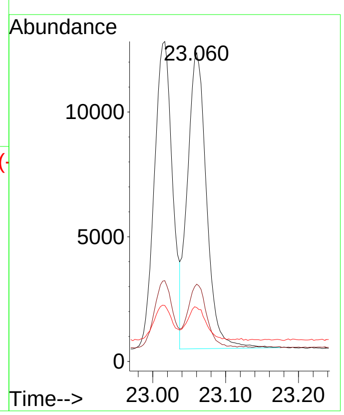




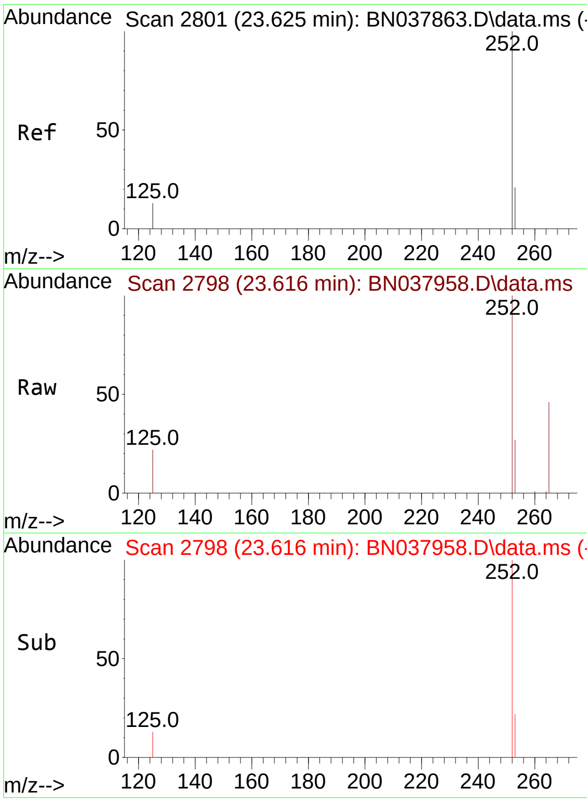
#38
Benzo(k)fluoranthene
Concen: 0.386 ng
RT: 23.060 min Scan# 2608
Delta R.T. -0.012 min
Lab File: BN037958.D
Acq: 30 Sep 2025 22:37

Tgt Ion:252 Resp: 21693

Ion	Ratio	Lower	Upper
252	100		
253	25.0	19.5	29.3
125	17.5	13.0	19.4



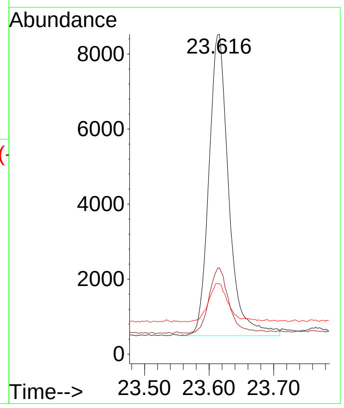
Instrument : BNA_N
ClientSampleId : PB169886BS

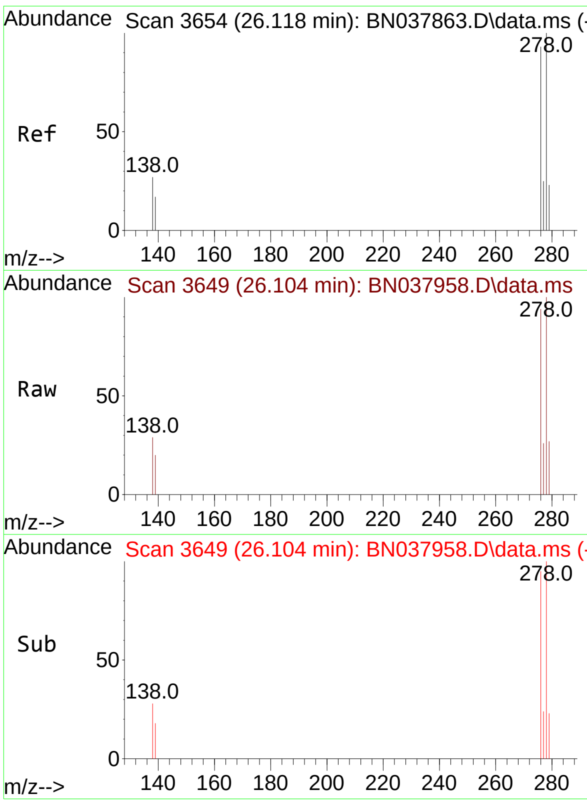


#39
Benzo(a)pyrene
Concen: 0.391 ng
RT: 23.616 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037958.D
Acq: 30 Sep 2025 22:37

Tgt Ion:252 Resp: 17246

Ion	Ratio	Lower	Upper
252	100		
253	27.0	20.6	30.8
125	22.0	16.7	25.1

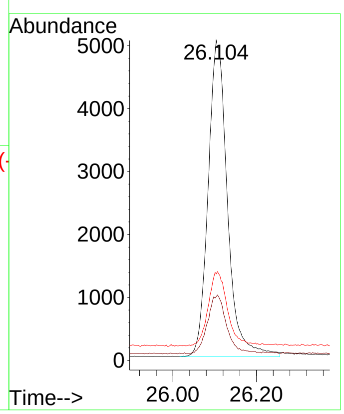


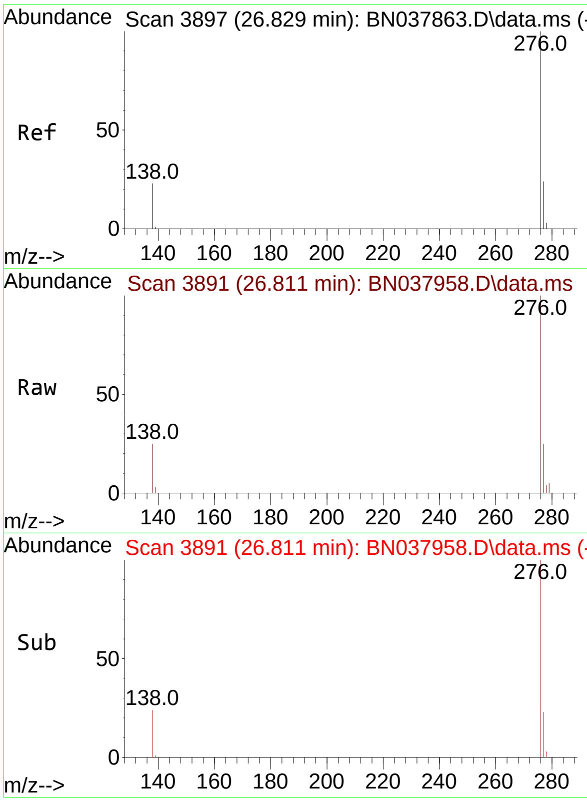


#40
Dibenzo(a,h)anthracene
Concen: 0.350 ng
RT: 26.104 min Scan# 3649
Delta R.T. -0.015 min
Lab File: BN037958.D
Acq: 30 Sep 2025 22:37

Tgt Ion:278 Resp: 16146

Ion	Ratio	Lower	Upper
278	100		
139	19.9	15.4	23.2
279	27.0	20.8	31.2



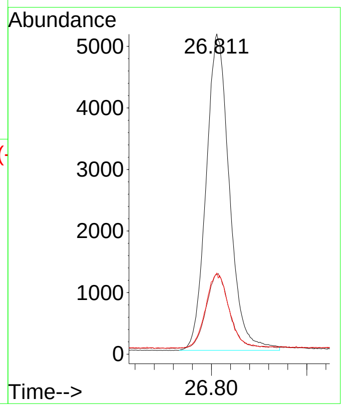


#41
Benzo(g,h,i)perylene
Concen: 0.360 ng
RT: 26.811 min Scan# 3
Delta R.T. -0.018 min
Lab File: BN037958.D
Acq: 30 Sep 2025 22:37

Instrument :
BNA_N
ClientSampleId :
PB169886BS

Tgt Ion:276 Resp: 17457

Ion	Ratio	Lower	Upper
276	100		
277	24.8	20.2	30.4
138	25.4	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:	09/23/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	RW10-MW01D-20250923MS	SDG No.:	Q3193
Lab Sample ID:	Q3193-02MS	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037948.D	1	09/29/25 08:43	09/30/25 16:33	PB169886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.33		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	0.38		30 - 150		95%	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	0.50		58 - 132		125%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7990	7.811				
1146-65-2	Naphthalene-d8	22900	10.616				
15067-26-2	Acenaphthene-d10	12100	14.473				
1517-22-2	Phenanthrene-d10	25000	17.211				
1719-03-5	Chrysene-d12	20800	21.402				
1520-96-3	Perylene-d12	17500	23.724				

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 : BN037948.D
Acq On : 30 Sep 2025 16:33
Operator : RC/JU
Sample : Q3193-02MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RW10-MW01D-20250923MS

Quant Time: Sep 30 17:02:51 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

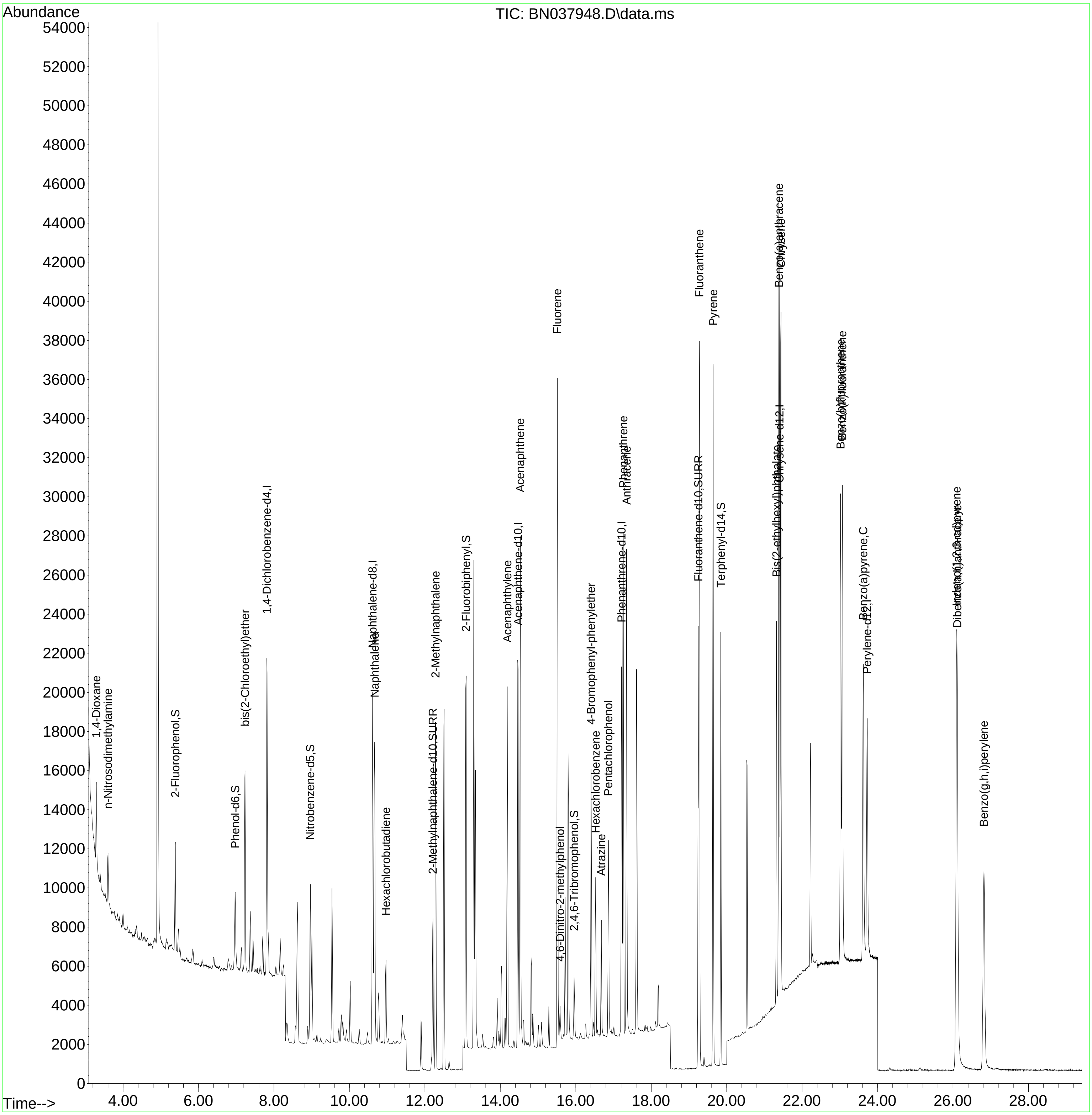
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	7.811	152	7993	0.400 ng	-0.01
7) Naphthalene-d8	10.616	136	22898	0.400 ng	-0.01
13) Acenaphthene-d10	14.473	164	12112	0.400 ng	0.00
19) Phenanthrene-d10	17.211	188	25000	0.400 ng	#-0.01
29) Chrysene-d12	21.402	240	20815	0.400 ng	# 0.00
35) Perylene-d12	23.724	264	17521	0.400 ng	0.00
System Monitoring Compounds					
4) 2-Fluorophenol	5.384	112	4452	0.244 ng	0.00
5) Phenol-d6	6.973	99	3661	0.153 ng	0.00
8) Nitrobenzene-d5	8.961	82	6296	0.360 ng	-0.01
11) 2-Methylnaphthalene-d10	12.212	152	11322	0.356 ng	0.00
14) 2,4,6-Tribromophenol	15.957	330	1715	0.373 ng	-0.01
15) 2-Fluorobiphenyl	13.094	172	17695	0.357 ng	0.00
27) Fluoranthene-d10	19.248	212	23901	0.380 ng	0.00
31) Terphenyl-d14	19.847	244	20747	0.500 ng	0.00
Target Compounds					Qvalue
2) 1,4-Dioxane	3.290	88	2700	0.333 ng	# 78
3) n-Nitrosodimethylamine	3.600	42	1482	0.137 ng	98
6) bis(2-Chloroethyl)ether	7.233	93	7408	0.333 ng	99
9) Naphthalene	10.669	128	20993	0.333 ng	99
10) Hexachlorobutadiene	10.968	225	3414	0.317 ng	# 99
12) 2-Methylnaphthalene	12.283	142	12439	0.302 ng	99
16) Acenaphthylene	14.184	152	19822	0.360 ng	100
17) Acenaphthene	14.527	154	12923	0.330 ng	97
18) Fluorene	15.510	166	15441	0.326 ng	99
20) 4,6-Dinitro-2-methylph...	15.585	198	1055	0.395 ng	# 83
21) 4-Bromophenyl-phenylether	16.404	248	5426	0.333 ng	# 79
22) Hexachlorobenzene	16.528	284	6494	0.329 ng	99
23) Atrazine	16.677	200	4262	0.344 ng	93
24) Pentachlorophenol	16.863	266	4858	0.717 ng	98
25) Phenanthrene	17.260	178	28876	0.351 ng	100
26) Anthracene	17.347	178	25133	0.352 ng	100
28) Fluoranthene	19.276	202	32639	0.360 ng	100
30) Pyrene	19.643	202	32659	0.397 ng	100
32) Benzo(a)anthracene	21.384	228	29382	0.404 ng	99
33) Chrysene	21.438	228	31583	0.401 ng	99
34) Bis(2-ethylhexyl)phtha...	21.322	149	15117	0.525 ng	99
36) Indeno(1,2,3-cd)pyrene	26.095	276	30345	0.379 ng	99
37) Benzo(b)fluoranthene	23.019	252	31008	0.410 ng	100
38) Benzo(k)fluoranthene	23.066	252	31446	0.414 ng	99
39) Benzo(a)pyrene	23.622	252	23594	0.395 ng	99
40) Dibenzo(a,h)anthracene	26.113	278	23653	0.378 ng	99
41) Benzo(g,h,i)perylene	26.820	276	22739	0.346 ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN093025\
Data File : BN037948.D
Acq On : 30 Sep 2025 16:33
Operator : RC/JU
Sample : Q3193-02MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RW10-MW01D-20250923MS

Quant Time: Sep 30 17:02:51 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
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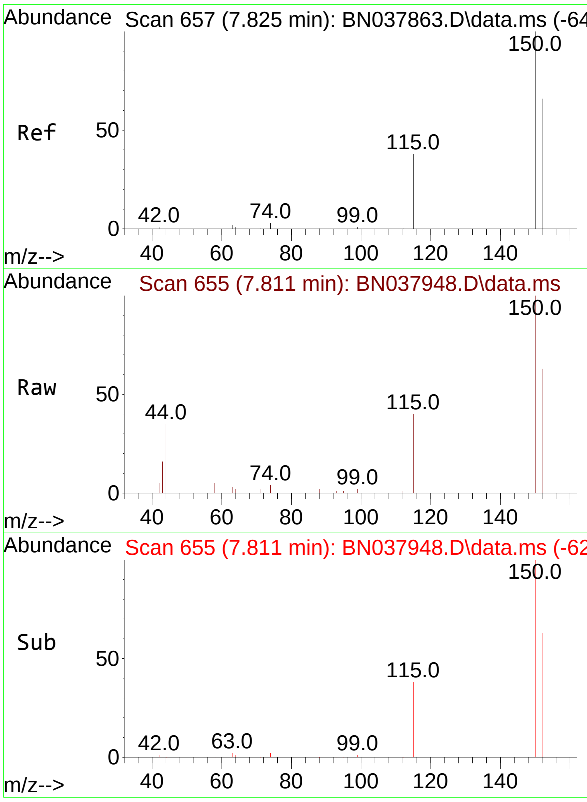
17

Instrument :
BNA_N
ClientSampleId :
RW10-MW01D-20250923MS

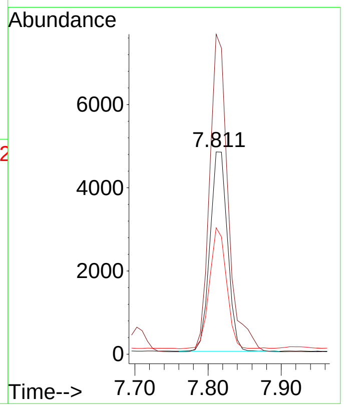
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

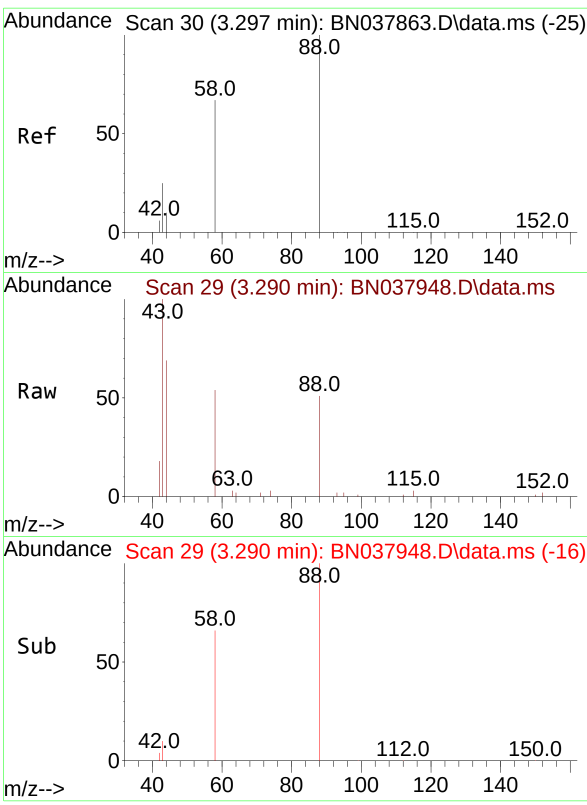


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.811 min Scan# 6
Delta R.T. -0.014 min
Lab File: BN037948.D
Acq: 30 Sep 2025 16:33

Tgt Ion:152 Resp: 7993

Ion	Ratio	Lower	Upper
152	100		
150	158.2	121.0	181.4
115	62.5	47.4	71.0

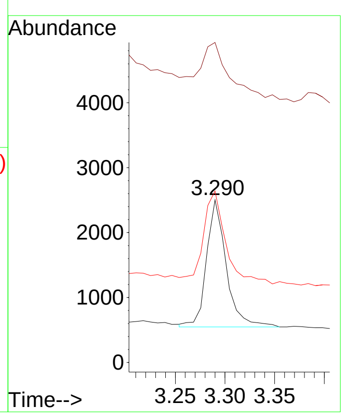




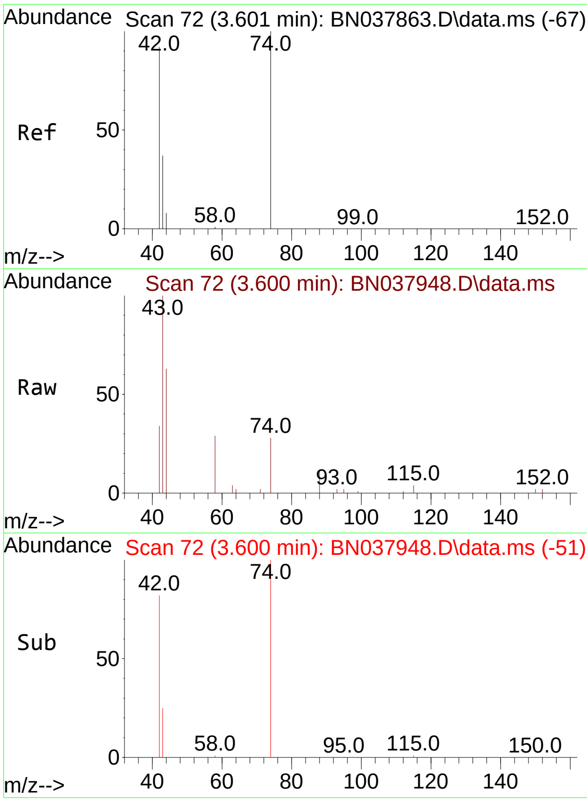
#2
1,4-Dioxane
Concen: 0.333 ng
RT: 3.290 min Scan# 29
Delta R.T. -0.007 min
Lab File: BN037948.D
Acq: 30 Sep 2025 16:33

Tgt Ion: 88 Resp: 2700

Ion	Ratio	Lower	Upper
88	100		
43	61.6	26.6	39.8#
58	81.8	58.9	88.3



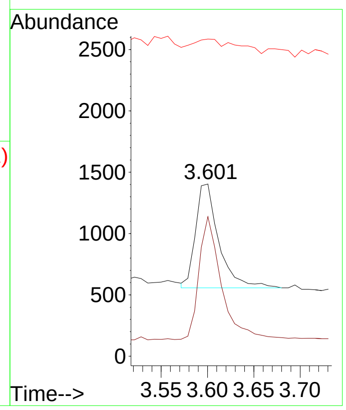
Instrument :
BNA_N
ClientSampleId :
RW10-MW01D-20250923MS

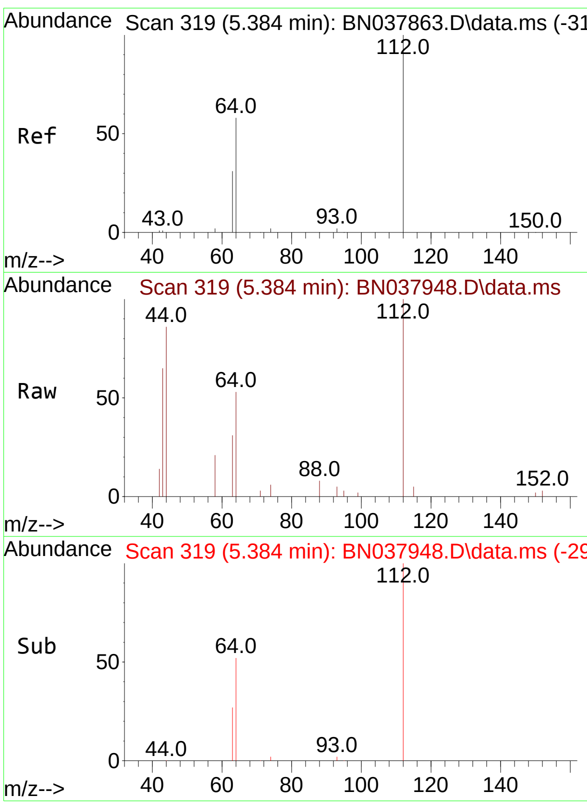


#3
n-Nitrosodimethylamine
Concen: 0.137 ng
RT: 3.600 min Scan# 72
Delta R.T. -0.000 min
Lab File: BN037948.D
Acq: 30 Sep 2025 16:33

Tgt Ion: 42 Resp: 1482

Ion	Ratio	Lower	Upper
42	100		
74	114.2	93.4	140.0
44	28.0	22.2	33.4

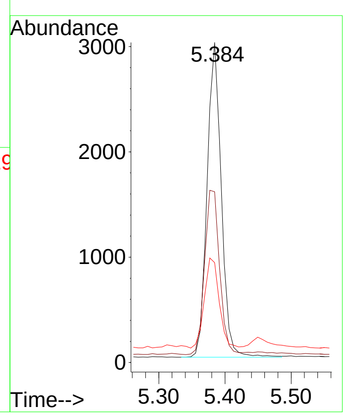




#4
2-Fluorophenol
Concen: 0.244 ng
RT: 5.384 min Scan# 319
Delta R.T. -0.000 min
Lab File: BN037948.D
Acq: 30 Sep 2025 16:33

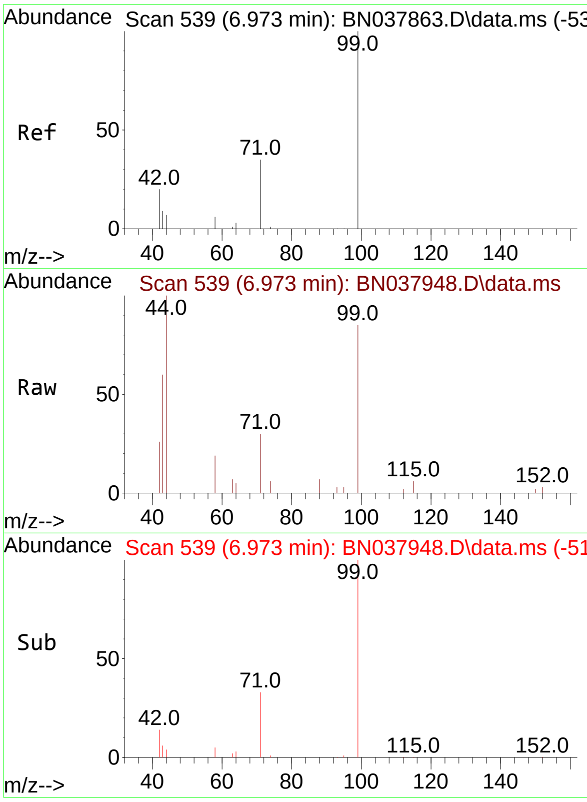
Tgt Ion:112 Resp: 4452

Ion	Ratio	Lower	Upper
112	100		
64	55.3	44.6	66.8
63	29.7	24.9	37.3



Instrument : BNA_N
ClientSampleId : RW10-MW01D-20250923MS

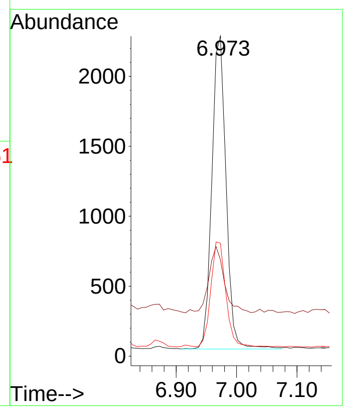
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

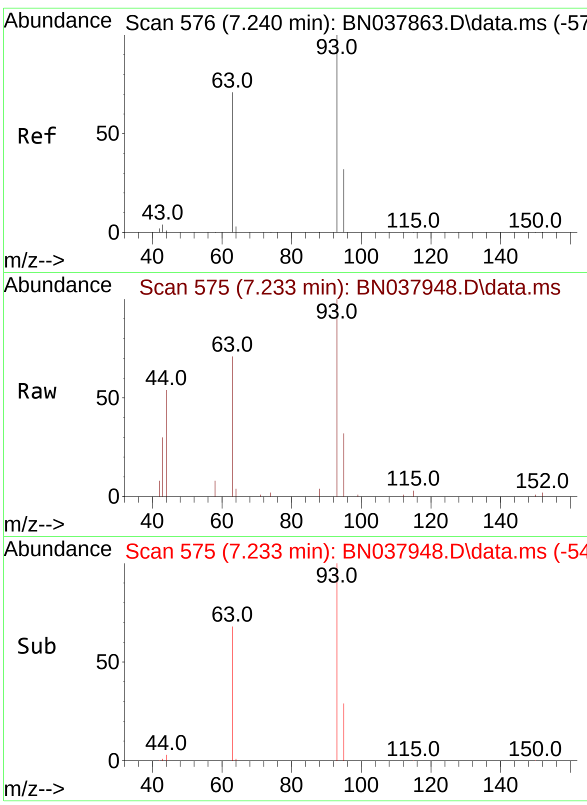


#5
Phenol-d6
Concen: 0.153 ng
RT: 6.973 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN037948.D
Acq: 30 Sep 2025 16:33

Tgt Ion: 99 Resp: 3661

Ion	Ratio	Lower	Upper
99	100		
42	22.9	17.2	25.8
71	35.1	27.3	40.9

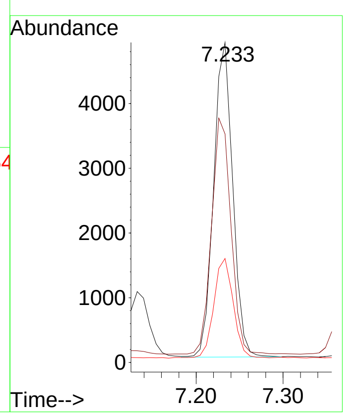




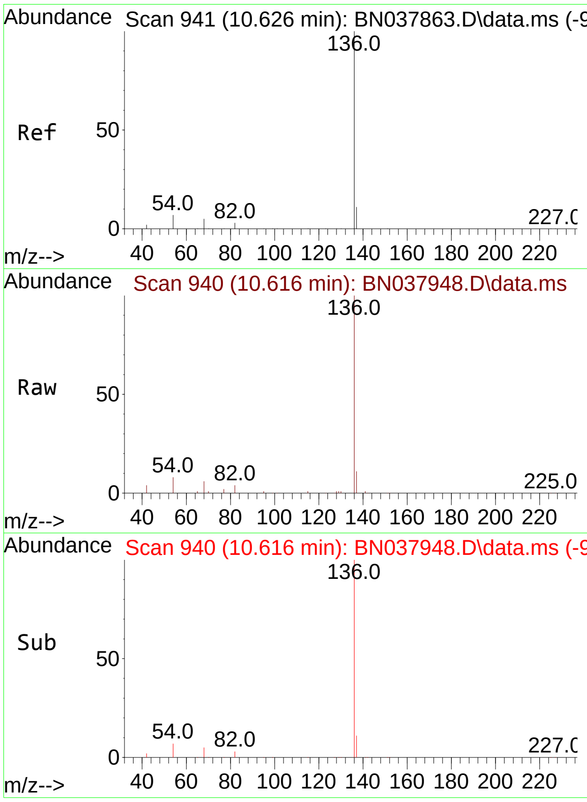
#6
bis(2-Chloroethyl)ether
Concen: 0.333 ng
RT: 7.233 min Scan# 575
Delta R.T. -0.007 min
Lab File: BN037948.D
Acq: 30 Sep 2025 16:33

Tgt Ion: 93 Resp: 7408

Ion	Ratio	Lower	Upper
93	100		
63	76.3	60.1	90.1
95	32.3	25.4	38.2



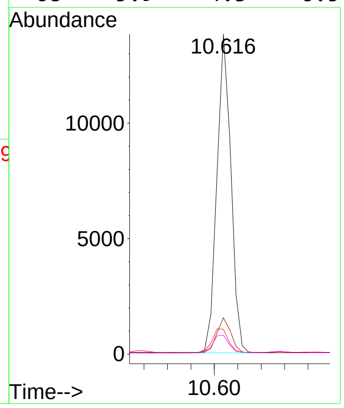
Instrument :
BNA_N
ClientSampleId :
RW10-MW01D-20250923MS

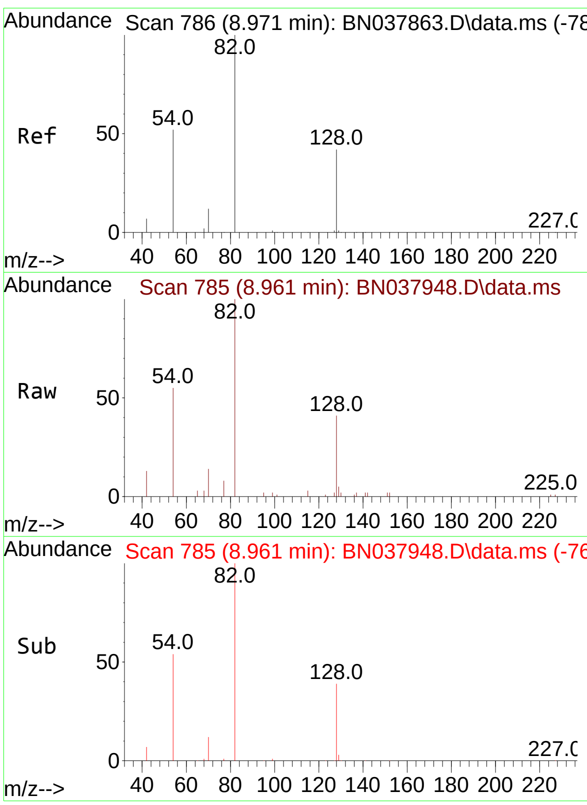


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.616 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037948.D
Acq: 30 Sep 2025 16:33

Tgt Ion:136 Resp: 22898

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.0	13.4
54	7.8	5.8	8.8
68	5.9	4.3	6.5

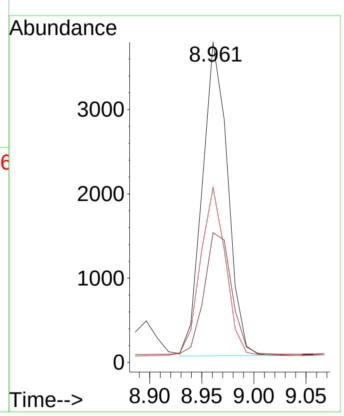




#8
Nitrobenzene-d5
Concen: 0.360 ng
RT: 8.961 min Scan# 785
Delta R.T. -0.011 min
Lab File: BN037948.D
Acq: 30 Sep 2025 16:33

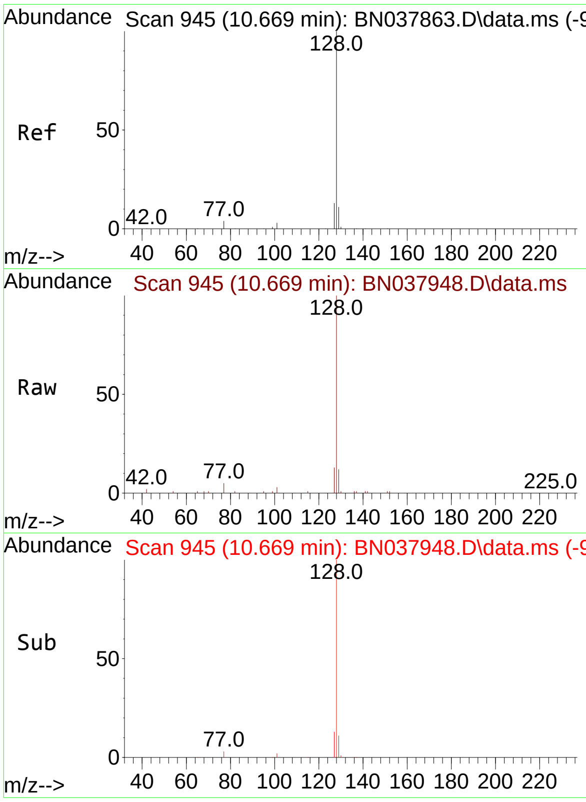
Tgt Ion: 82 Resp: 6296

Ion	Ratio	Lower	Upper
82	100		
128	40.5	34.8	52.2
54	54.6	42.2	63.2



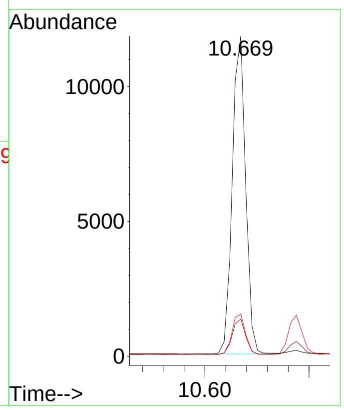
Instrument : BNA_N
ClientSampleId : RW10-MW01D-20250923MS

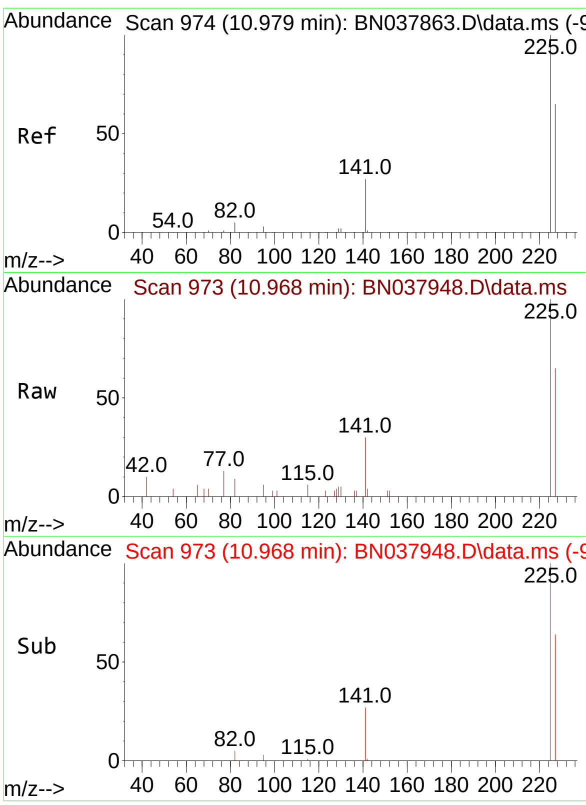
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17




```
#9
Naphthalene
Concen:    0.333 ng
RT:  10.669 min  Scan# 94
Delta R.T.  0.000 min
Lab File:   BN037948.D
Acq: 30 Sep 2025  16:33

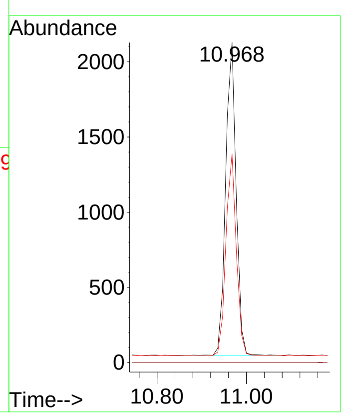
Tgt Ion:128 Resp:    20993
Ion  Ratio  Lower  Upper
128  100
129   11.6    9.2   13.8
127   13.1   11.0   16.6
```



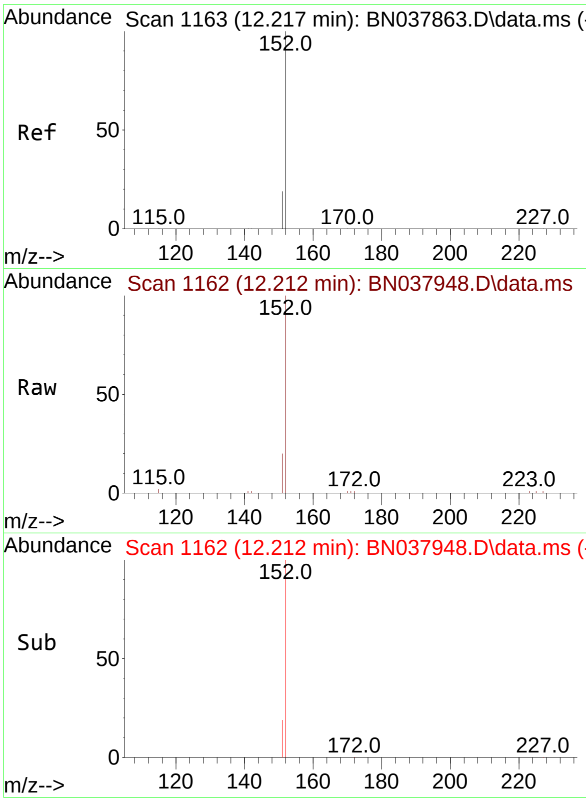



```
#10
Hexachlorobutadiene
Concen:    0.317 ng
RT:  10.968 min  Scan# 973
Delta R.T.  -0.011 min
Lab File:   BN037948.D
Acq: 30 Sep 2025  16:33

Tgt Ion:225 Resp:     3414
Ion  Ratio  Lower  Upper
225  100
223    0.0    0.0    0.0
227   63.6   51.4   77.2
```



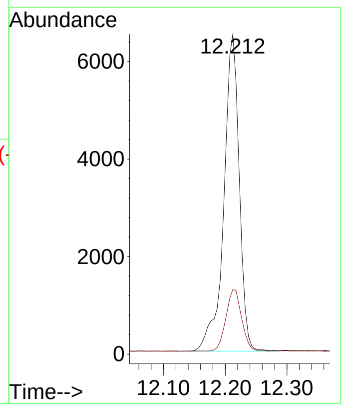
Instrument : BNA_N
ClientSampleId : RW10-MW01D-20250923MS

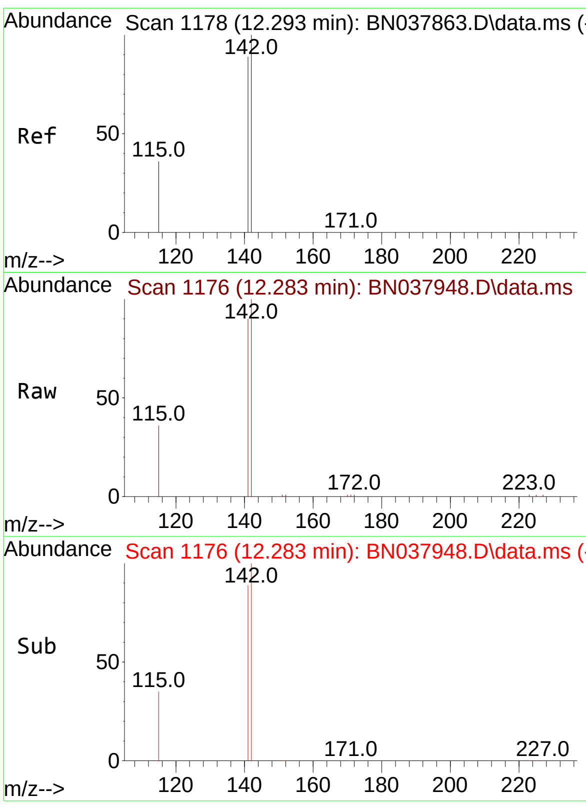


#11
2-Methylnaphthalene-d10
Concen: 0.356 ng
RT: 12.212 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN037948.D
Acq: 30 Sep 2025 16:33

Tgt Ion:152 Resp: 11322

Ion	Ratio	Lower	Upper
152	100		
151	20.0	17.4	26.2

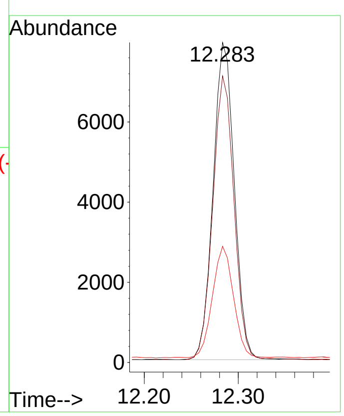




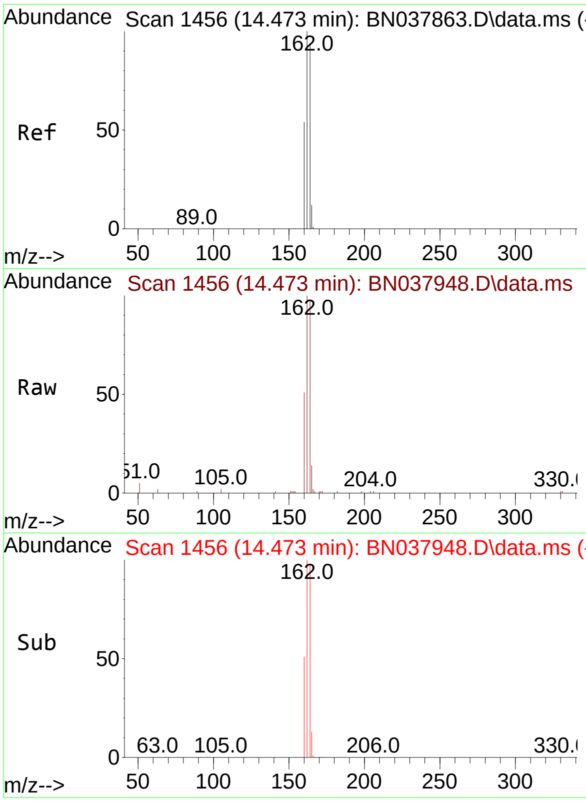
#12
2-Methylnaphthalene
Concen: 0.302 ng
RT: 12.283 min Scan# 1176
Delta R.T. -0.010 min
Lab File: BN037948.D
Acq: 30 Sep 2025 16:33

Tgt Ion:142 Resp: 12439

Ion	Ratio	Lower	Upper
142	100		
141	89.5	71.2	106.8
115	36.3	29.7	44.5



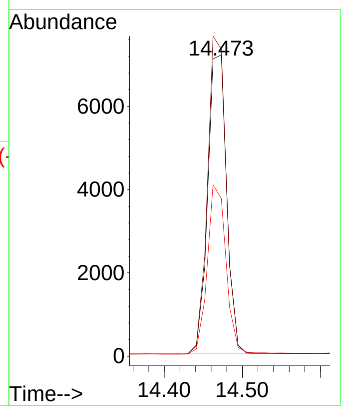
Instrument :
BNA_N
ClientSampleId :
RW10-MW01D-20250923MS

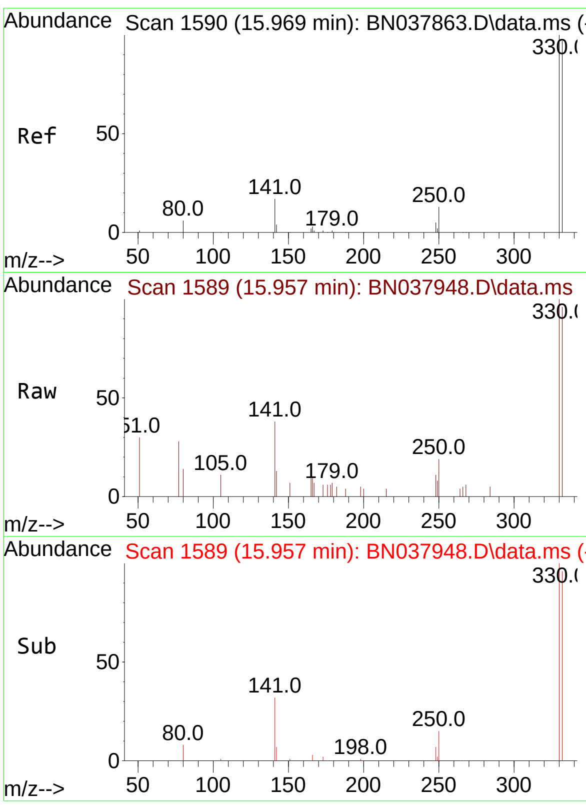


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.473 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN037948.D
Acq: 30 Sep 2025 16:33

Tgt Ion:164 Resp: 12112

Ion	Ratio	Lower	Upper
164	100		
162	101.8	84.8	127.2
160	52.3	46.1	69.1

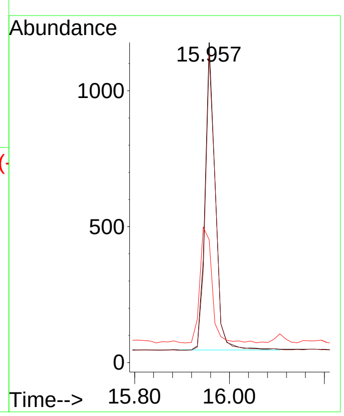




#14
2,4,6-Tribromophenol
Concen: 0.373 ng
RT: 15.957 min Scan# 1589
Delta R.T. -0.012 min
Lab File: BN037948.D
Acq: 30 Sep 2025 16:33

Tgt Ion:330 Resp: 1715

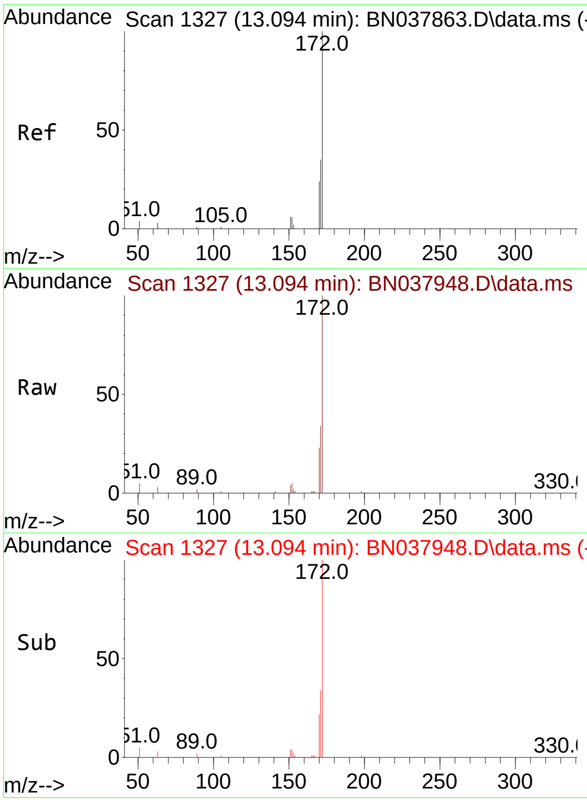
Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.2	115.8
141	44.5	37.2	55.8



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

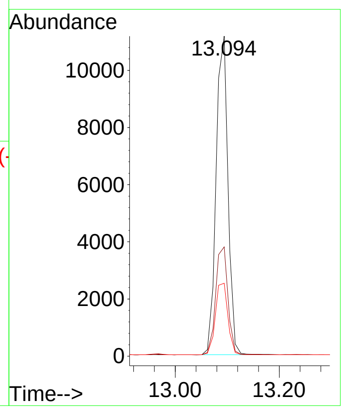
Instrument :
BNA_N
ClientSampleId :
RW10-MW01D-20250923MS

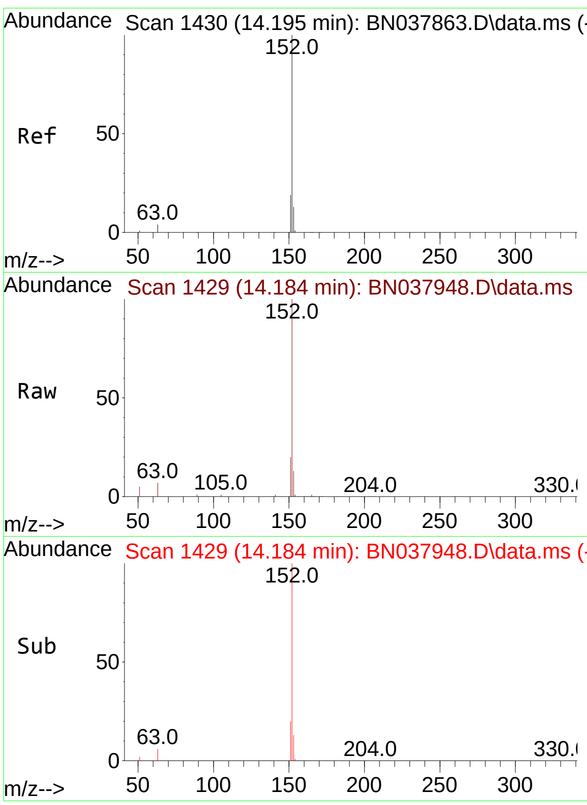
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17




```
#15
2-Fluorobiphenyl
Concen:    0.357 ng
RT:  13.094 min  Scan# 1
Delta R.T.  -0.000 min
Lab File:   BN037948.D
Acq: 30 Sep 2025  16:33

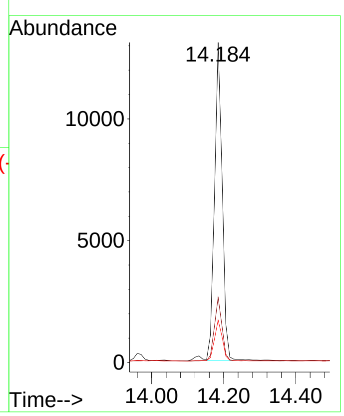
Tgt Ion:172 Resp:   17695
Ion  Ratio  Lower  Upper
172  100
171   34.2   28.6   43.0
170   22.8   19.7   29.5
```



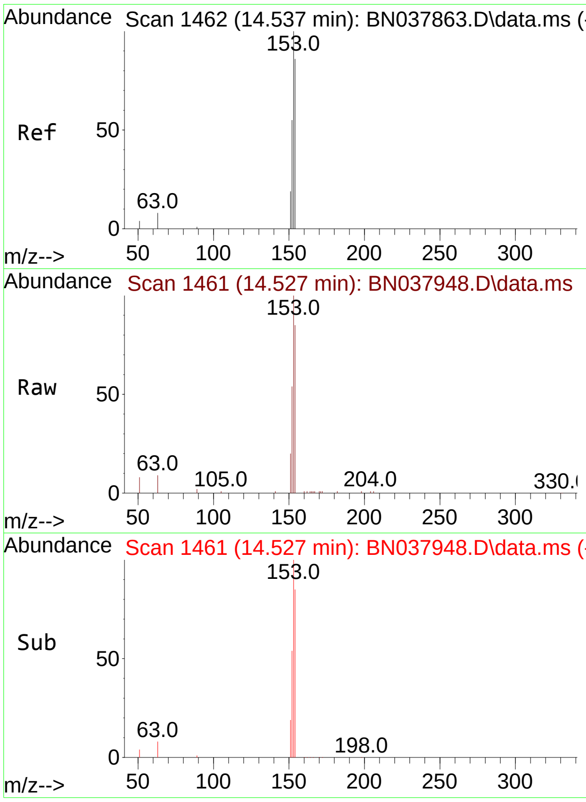



```
#16
Acenaphthylene
Concen:    0.360 ng
RT:  14.184 min  Scan# 1429
Delta R.T.  -0.011 min
Lab File:   BN037948.D
Acq: 30 Sep 2025  16:33

Tgt Ion:152 Resp:   19822
Ion  Ratio  Lower  Upper
152  100
151   19.6   15.8   23.8
153   13.1   10.5   15.7
```



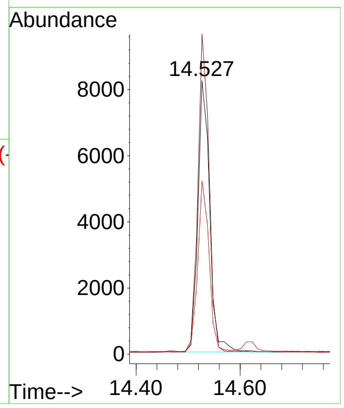
Instrument : BNA_N
ClientSampleId : RW10-MW01D-20250923MS

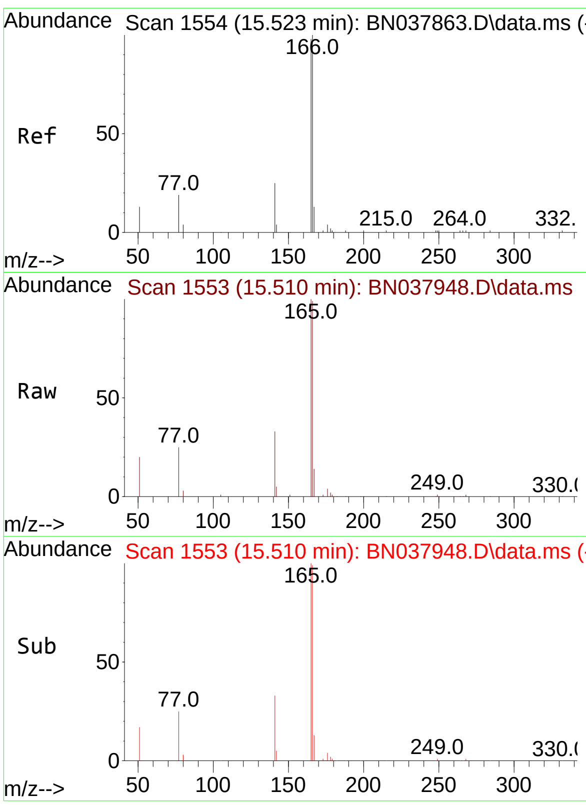


#17
Acenaphthene
Concen: 0.330 ng
RT: 14.527 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN037948.D
Acq: 30 Sep 2025 16:33

Tgt Ion:154 Resp: 12923

Ion	Ratio	Lower	Upper
154	100		
153	111.2	90.5	135.7
152	60.4	51.8	77.8

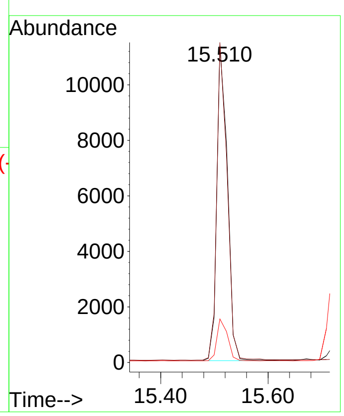




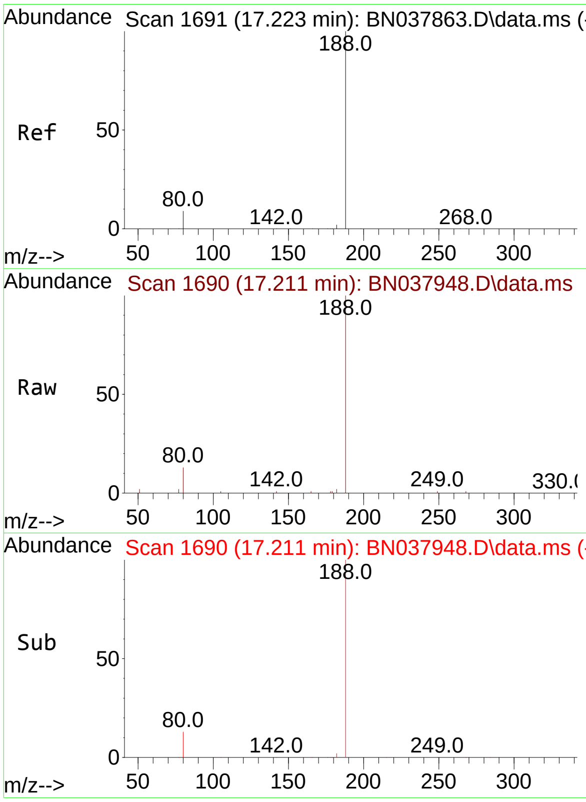
#18
Fluorene
Concen: 0.326 ng
RT: 15.510 min Scan# 1553
Delta R.T. -0.012 min
Lab File: BN037948.D
Acq: 30 Sep 2025 16:33

Tgt Ion:166 Resp: 15441

Ion	Ratio	Lower	Upper
166	100		
165	100.1	79.0	118.4
167	13.5	10.6	16.0



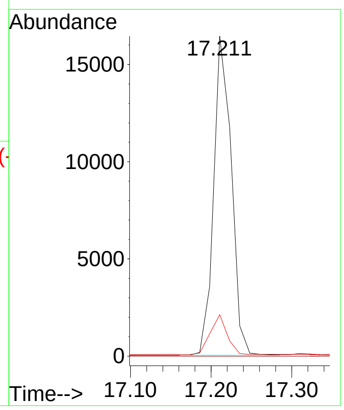
Instrument :
BNA_N
ClientSampleId :
RW10-MW01D-20250923MS

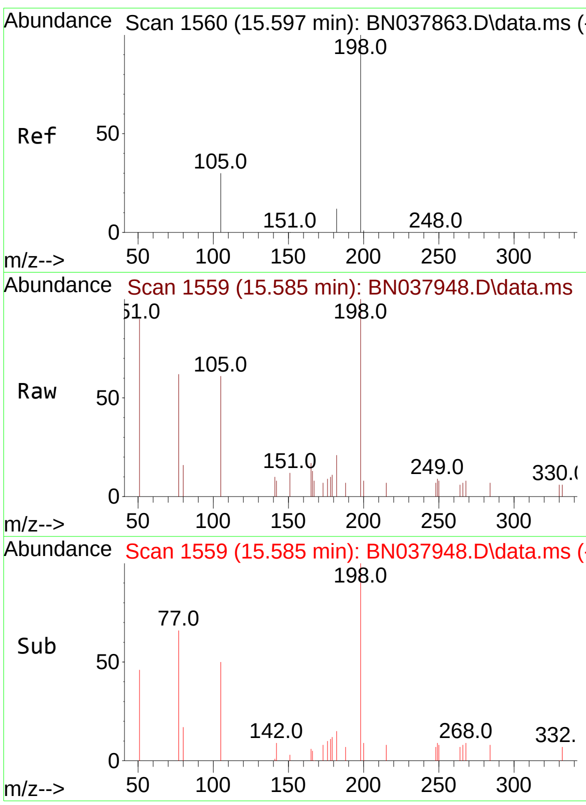


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.211 min Scan# 1(
Delta R.T. -0.012 min
Lab File: BN037948.D
Acq: 30 Sep 2025 16:33

Tgt Ion:188 Resp: 25000

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	13.0	7.6	11.4#

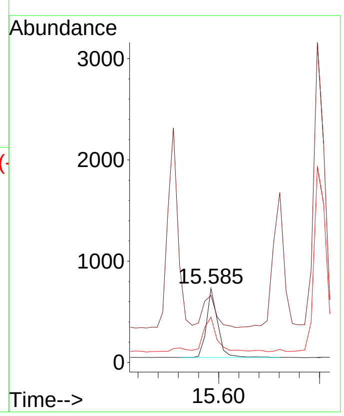




#20
4,6-Dinitro-2-methylphenol
Concen: 0.395 ng
RT: 15.585 min Scan# 1559
Delta R.T. -0.012 min
Lab File: BN037948.D
Acq: 30 Sep 2025 16:33

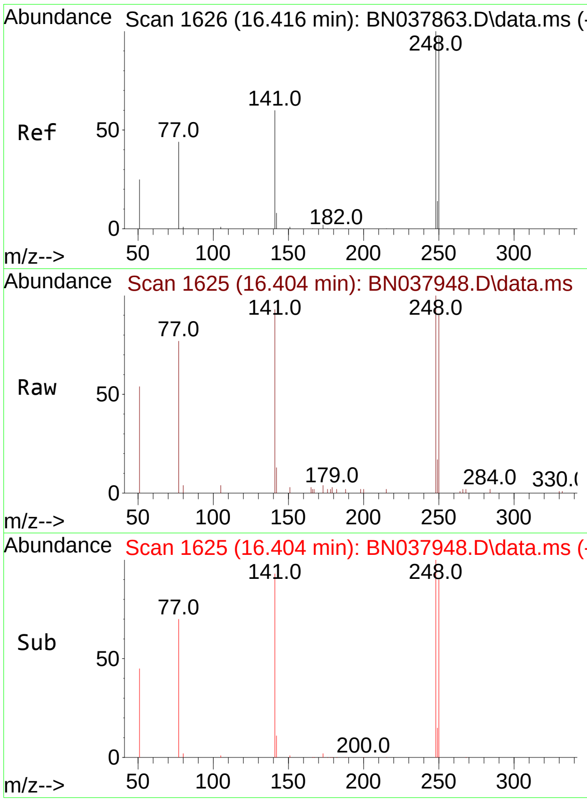
Tgt Ion:198 Resp: 1055

Ion	Ratio	Lower	Upper
198	100		
51	90.3	59.1	88.7#
105	61.0	41.3	61.9



Instrument : BNA_N
ClientSampleId : RW10-MW01D-20250923MS

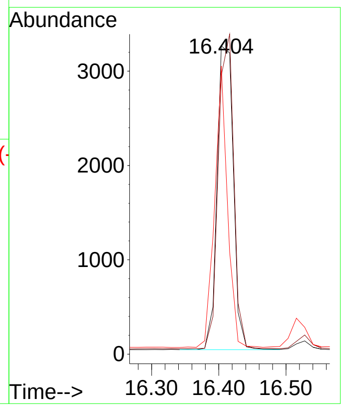
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

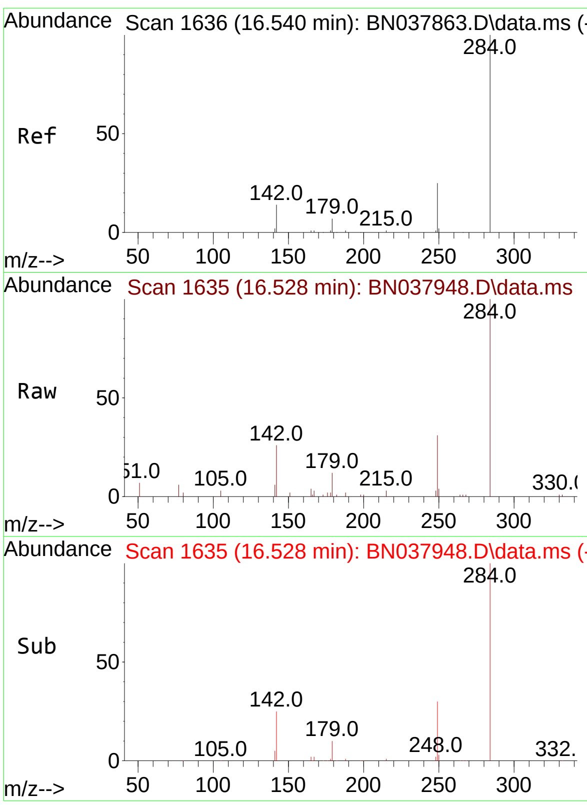


#21
4-Bromophenyl-phenylether
Concen: 0.333 ng
RT: 16.404 min Scan# 1(
Delta R.T. -0.012 min
Lab File: BN037948.D
Acq: 30 Sep 2025 16:33

Tgt Ion:248 Resp: 5426

Ion	Ratio	Lower	Upper
248	100		
250	90.4	77.6	116.4
141	93.4	48.8	73.2#

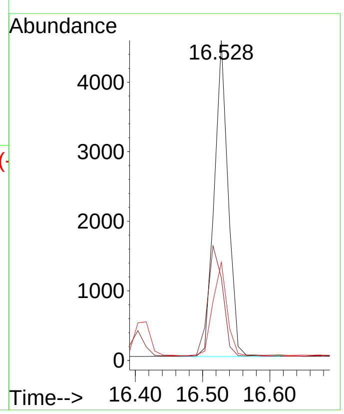




#22
Hexachlorobenzene
Concen: 0.329 ng
RT: 16.528 min Scan# 1635
Delta R.T. -0.012 min
Lab File: BN037948.D
Acq: 30 Sep 2025 16:33

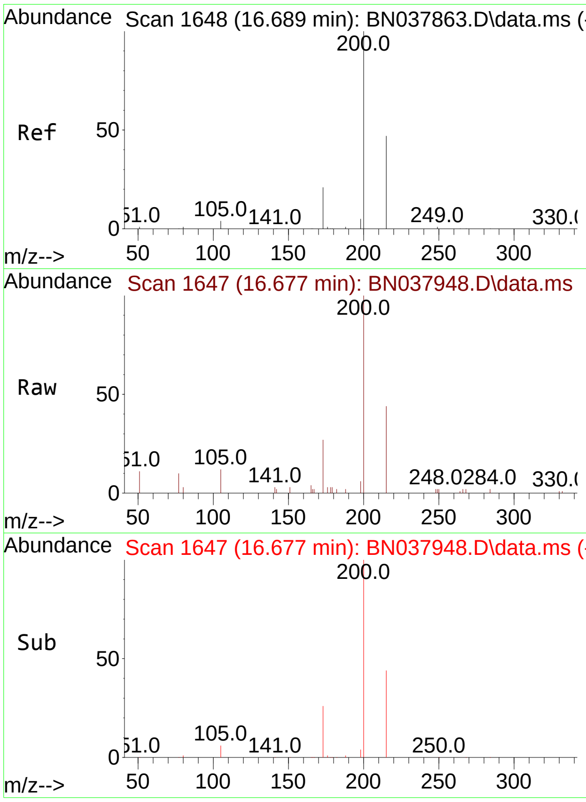
Tgt Ion:284 Resp: 6494

Ion	Ratio	Lower	Upper
284	100		
142	38.1	30.9	46.3
249	30.0	23.9	35.9



Instrument :
BNA_N
ClientSampleId :
RW10-MW01D-20250923MS

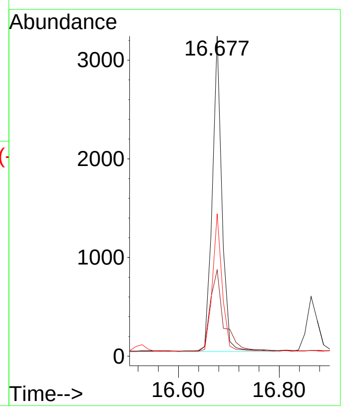
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

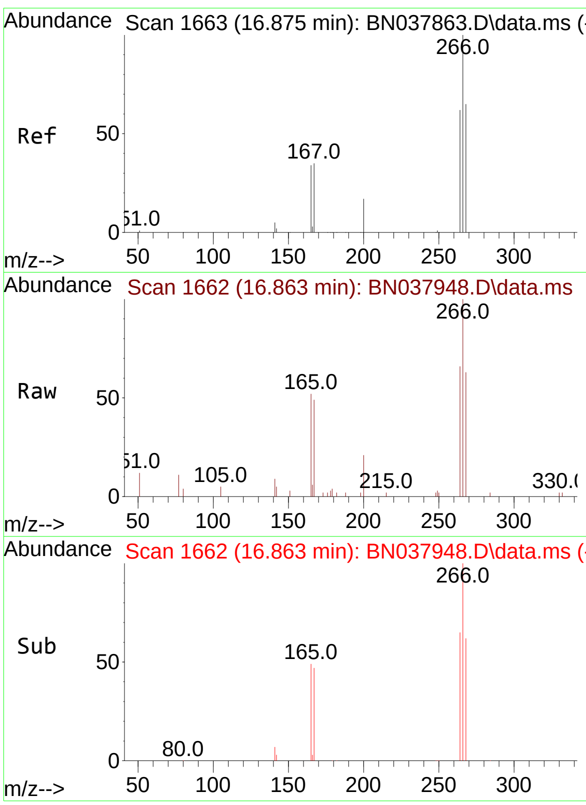


#23
Atrazine
Concen: 0.344 ng
RT: 16.677 min   Scan# 1
Delta R.T.   -0.012 min
Lab File: BN037948.D
Acq: 30 Sep 2025   16:33

Tgt Ion:200 Resp: 4262

Ion	Ratio	Lower	Upper
200	100		
173	27.0	18.3	27.5
215	44.5	38.6	58.0

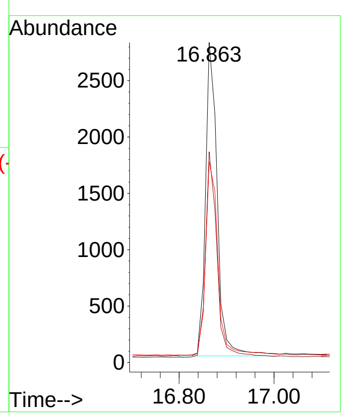




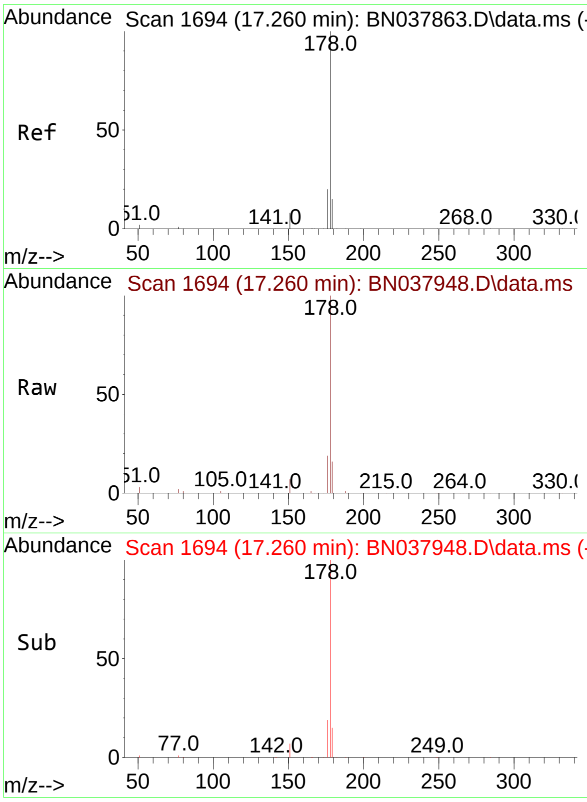
#24
Pentachlorophenol
Concen: 0.717 ng
RT: 16.863 min   Scan# 1662
Delta R.T.   -0.012 min
Lab File: BN037948.D
Acq: 30 Sep 2025   16:33

Tgt Ion:266 Resp: 4858

Ion	Ratio	Lower	Upper
266	100		
264	63.5	50.9	76.3
268	64.5	54.3	81.5



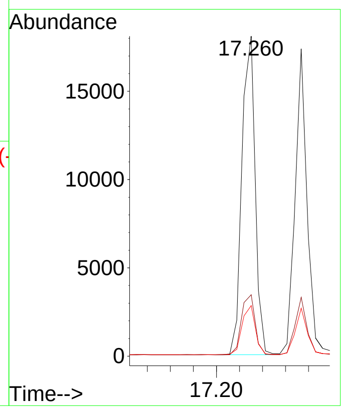
Instrument :
BNA_N
ClientSampleId :
RW10-MW01D-20250923MS

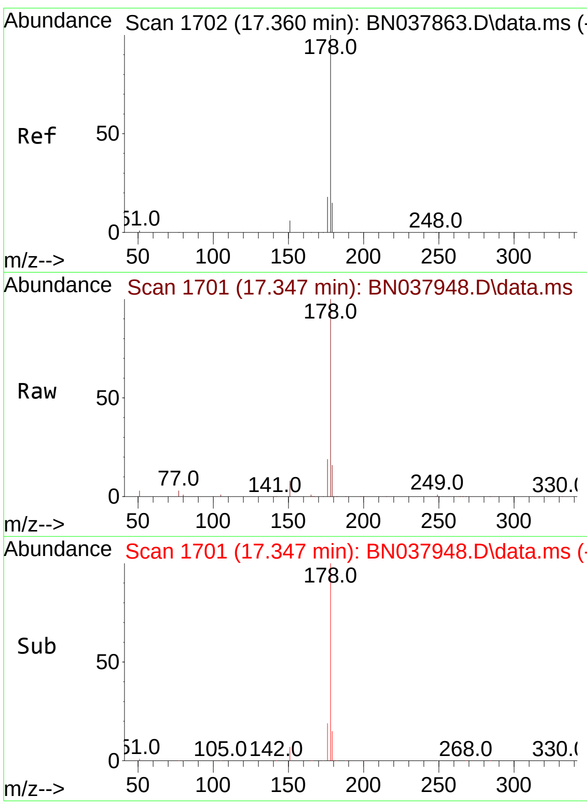


#25
Phenanthrene
Concen: 0.351 ng
RT: 17.260 min Scan# 1694
Delta R.T. 0.000 min
Lab File: BN037948.D
Acq: 30 Sep 2025 16:33

Tgt Ion:178 Resp: 28876

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.7	23.5
179	15.5	12.3	18.5

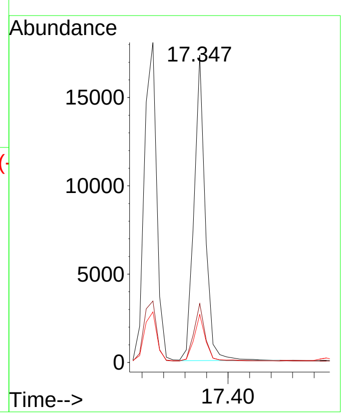




#26
Anthracene
Concen: 0.352 ng
RT: 17.347 min Scan# 1701
Delta R.T. -0.012 min
Lab File: BN037948.D
Acq: 30 Sep 2025 16:33

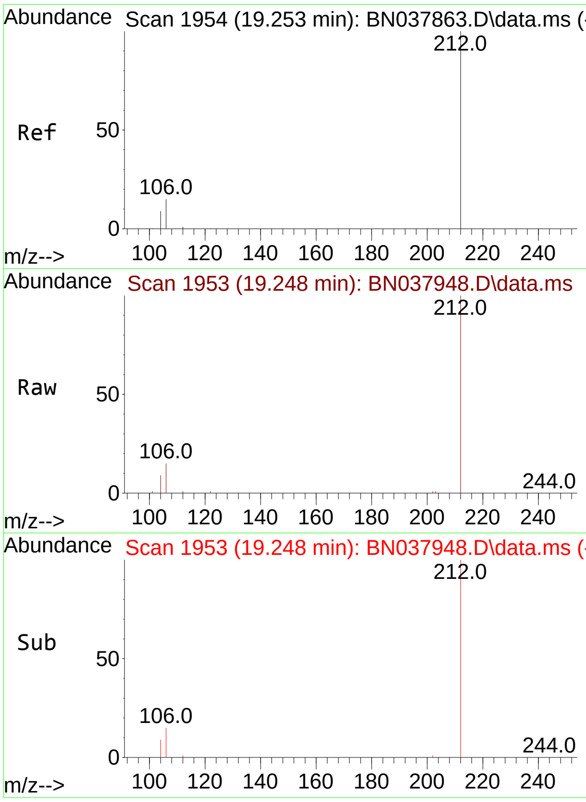
Tgt Ion:178 Resp: 25133

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.4
179	15.4	12.3	18.5



Instrument :
BNA_N
ClientSampleId :
RW10-MW01D-20250923MS

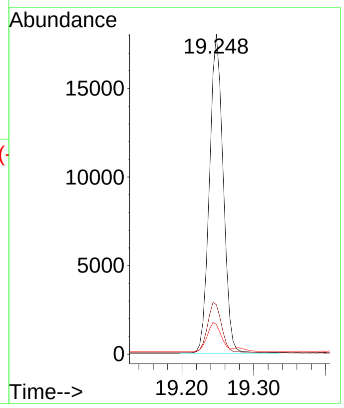
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

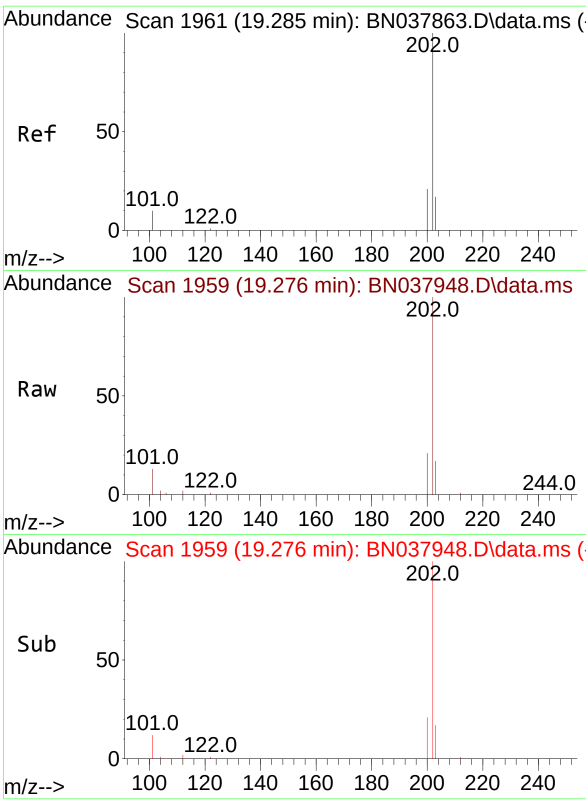


#27
Fluoranthene-d10
Concen: 0.380 ng
RT: 19.248 min Scan# 19
Delta R.T. -0.005 min
Lab File: BN037948.D
Acq: 30 Sep 2025 16:33

Tgt Ion:212 Resp: 23901

Ion	Ratio	Lower	Upper
212	100		
106	16.2	12.6	19.0
104	9.4	7.4	11.0

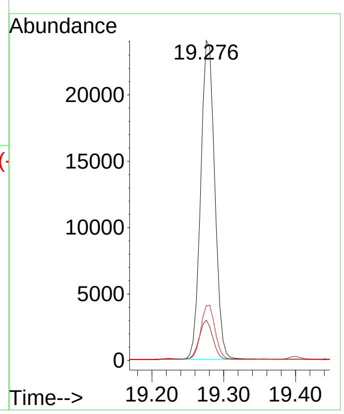




#28
Fluoranthene
Concen: 0.360 ng
RT: 19.276 min Scan# 1959
Delta R.T. -0.009 min
Lab File: BN037948.D
Acq: 30 Sep 2025 16:33

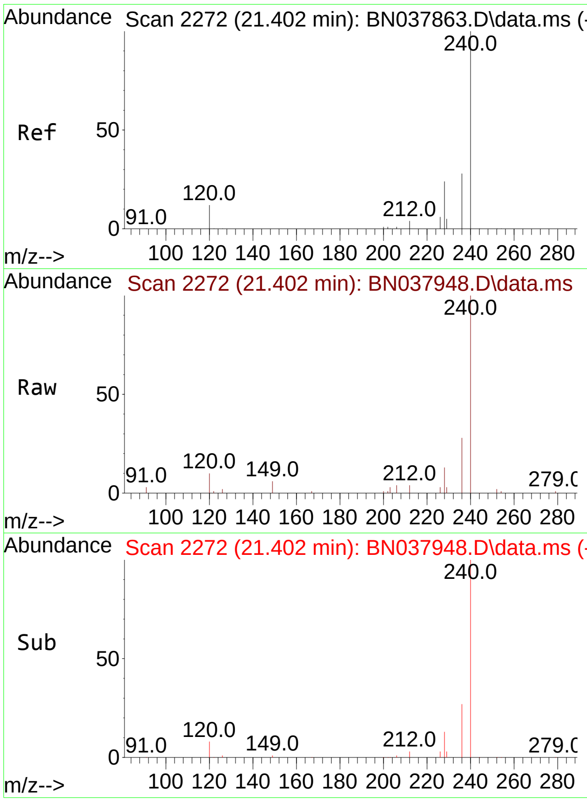
Tgt Ion:202 Resp: 32639

Ion	Ratio	Lower	Upper
202	100		
101	12.0	9.3	13.9
203	17.0	13.6	20.4



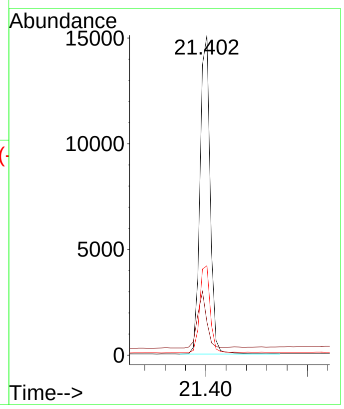
Instrument :
BNA_N
ClientSampleId :
RW10-MW01D-20250923MS

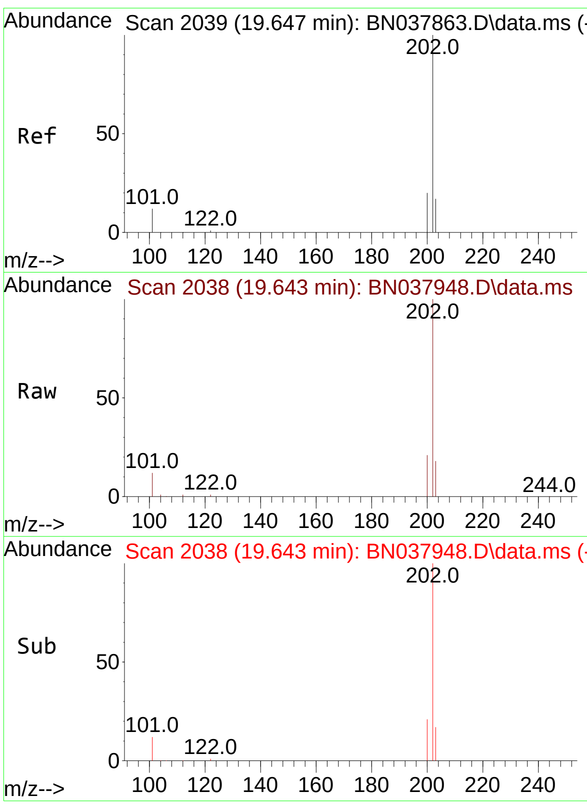
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17




```
#29
Chrysene-d12
Concen:    0.400 ng
RT:  21.402 min  Scan# 2
Delta R.T.  -0.000 min
Lab File:   BN037948.D
Acq: 30 Sep 2025  16:33

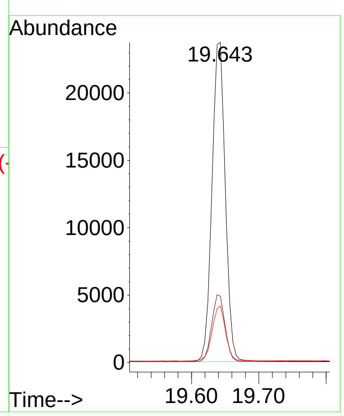
Tgt Ion:240 Resp:   20815
Ion  Ratio  Lower  Upper
240  100
120   10.4   11.4   17.2#
236   27.9   23.0   34.6
```



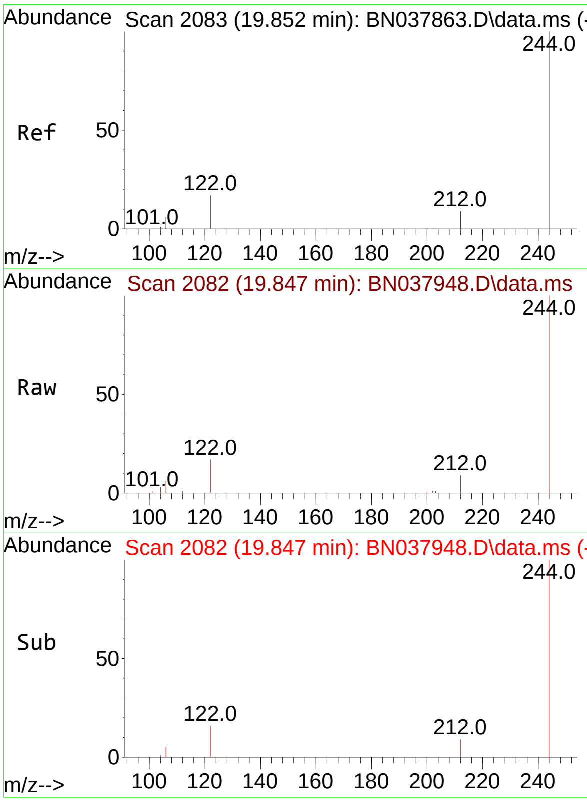



```
#30
Pyrene
Concen:    0.397 ng
RT:  19.643 min  Scan# 2038
Delta R.T.  -0.005 min
Lab File:   BN037948.D
Acq: 30 Sep 2025  16:33

Tgt Ion:202 Resp:   32659
Ion  Ratio  Lower  Upper
202  100
200   21.0   16.7   25.1
203   17.5   14.2   21.4
```



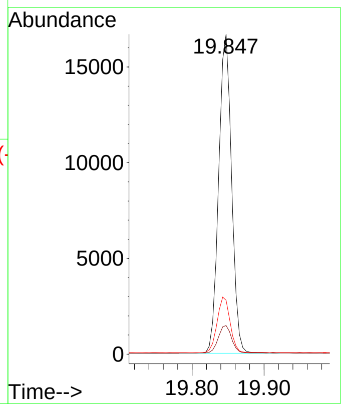
Instrument :
BNA_N
ClientSampleId :
RW10-MW01D-20250923MS

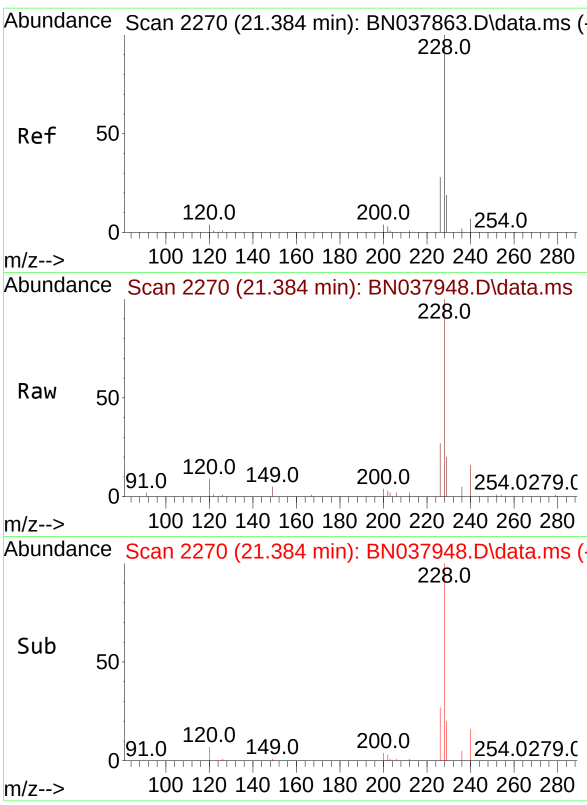


#31
Terphenyl-d14
Concen: 0.500 ng
RT: 19.847 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN037948.D
Acq: 30 Sep 2025 16:33

Tgt Ion:244 Resp: 20747

Ion	Ratio	Lower	Upper
244	100		
212	9.0	7.6	11.4
122	16.9	13.9	20.9

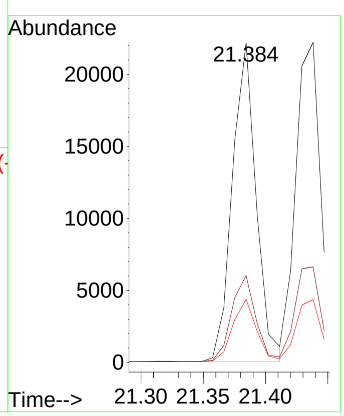




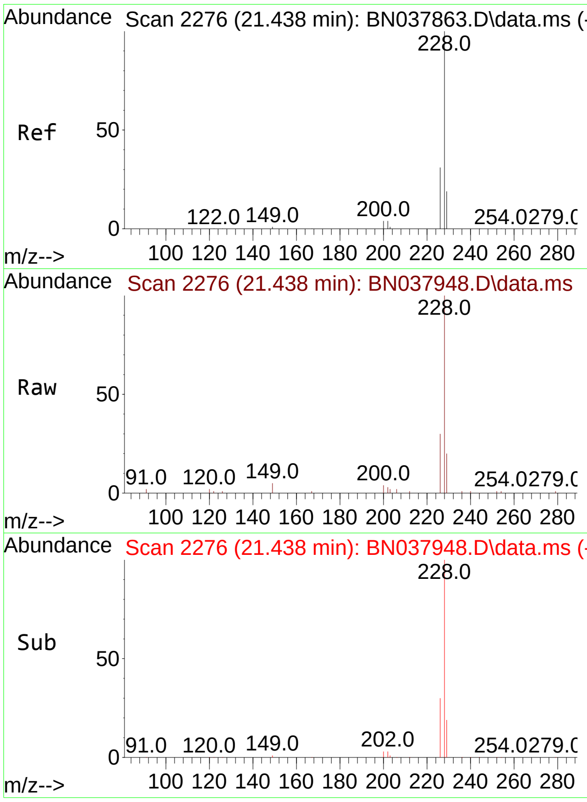
#32
Benzo(a)anthracene
Concen: 0.404 ng
RT: 21.384 min Scan# 2270
Delta R.T. -0.000 min
Lab File: BN037948.D
Acq: 30 Sep 2025 16:33

Tgt Ion:228 Resp: 29382

Ion	Ratio	Lower	Upper
228	100		
226	27.2	22.6	33.8
229	19.7	15.6	23.4



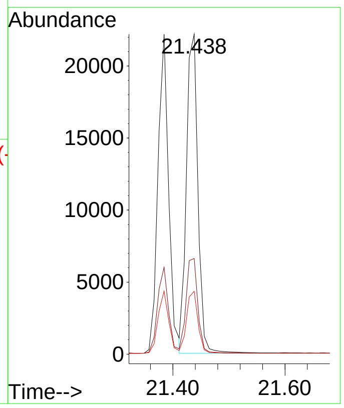
Instrument :
BNA_N
ClientSampleId :
RW10-MW01D-20250923MS

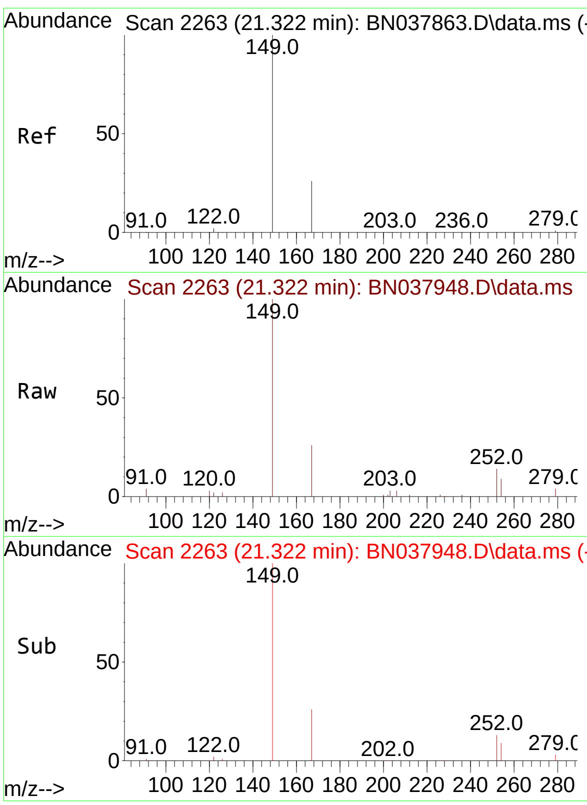


#33
Chrysene
Concen: 0.401 ng
RT: 21.438 min Scan# 2276
Delta R.T. -0.000 min
Lab File: BN037948.D
Acq: 30 Sep 2025 16:33

Tgt Ion:228 Resp: 31583

Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.6	37.0
229	19.7	15.6	23.4

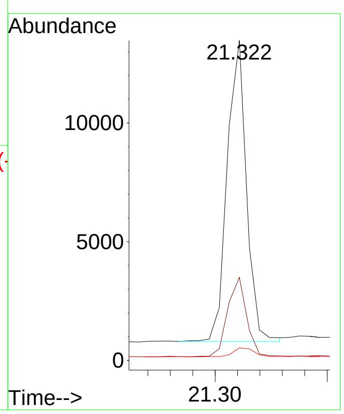




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.525 ng
RT: 21.322 min Scan# 2263
Delta R.T. 0.000 min
Lab File: BN037948.D
Acq: 30 Sep 2025 16:33

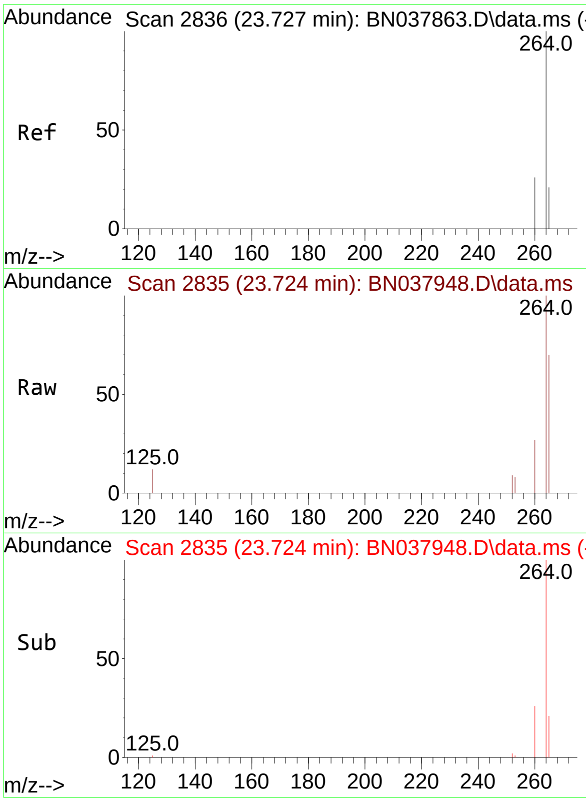
Tgt Ion:149 Resp: 15117

Ion	Ratio	Lower	Upper
149	100		
167	25.9	20.4	30.6
279	3.5	2.4	3.6



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

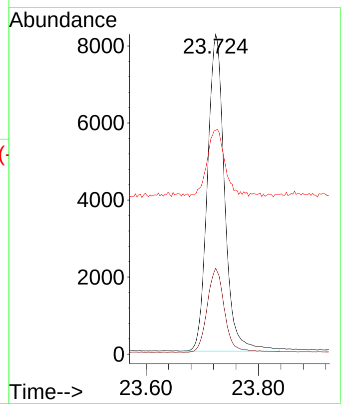
Instrument : BNA_N
ClientSampleId : RW10-MW01D-20250923MS

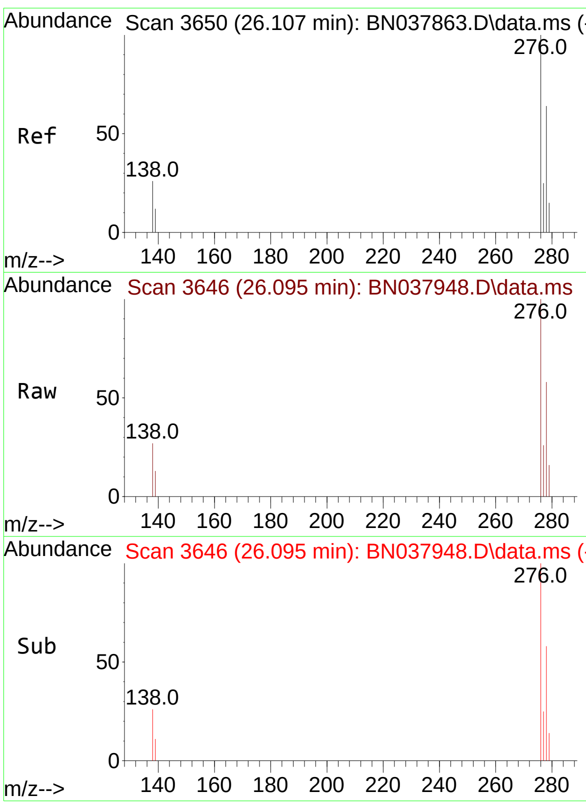


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.724 min Scan# 28
Delta R.T. -0.003 min
Lab File: BN037948.D
Acq: 30 Sep 2025 16:33

Tgt Ion:264 Resp: 17521

Ion	Ratio	Lower	Upper
264	100		
260	26.8	21.5	32.3
265	69.9	53.8	80.6

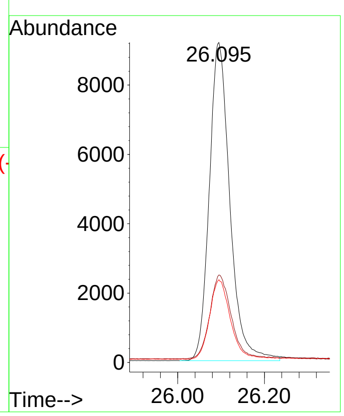




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.379 ng
RT: 26.095 min Scan# 3646
Delta R.T. -0.012 min
Lab File: BN037948.D
Acq: 30 Sep 2025 16:33

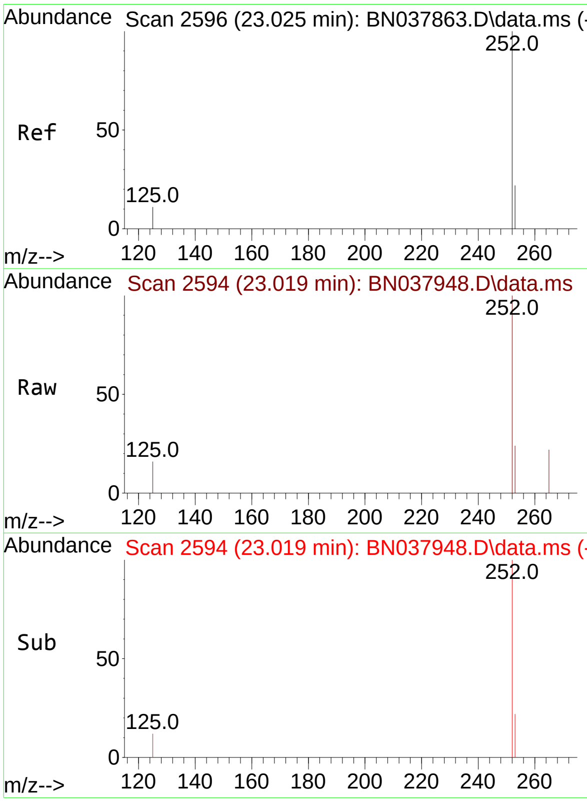
Tgt Ion:276 Resp: 30345

Ion	Ratio	Lower	Upper
276	100		
138	27.2	21.4	32.0
277	25.0	20.3	30.5



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

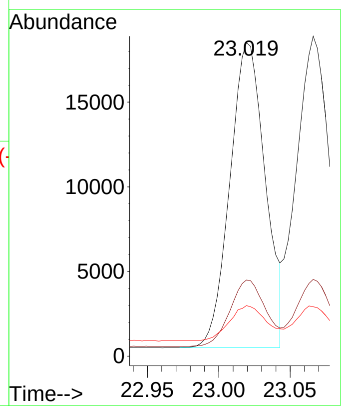
Instrument :
BNA_N
ClientSampleId :
RW10-MW01D-20250923MS

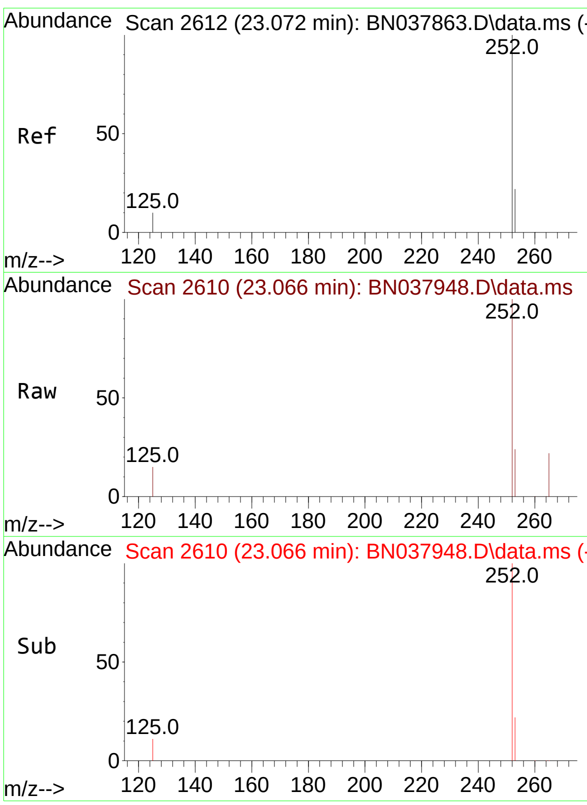


#37
Benzo(b)fluoranthene
Concen: 0.410 ng
RT: 23.019 min Scan# 2
Delta R.T. -0.006 min
Lab File: BN037948.D
Acq: 30 Sep 2025 16:33

Tgt Ion:252 Resp: 31008

Ion	Ratio	Lower	Upper
252	100		
253	24.3	19.4	29.0
125	16.1	13.0	19.4

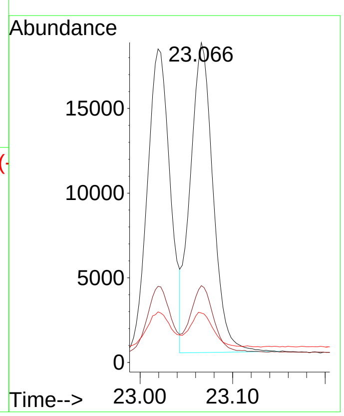




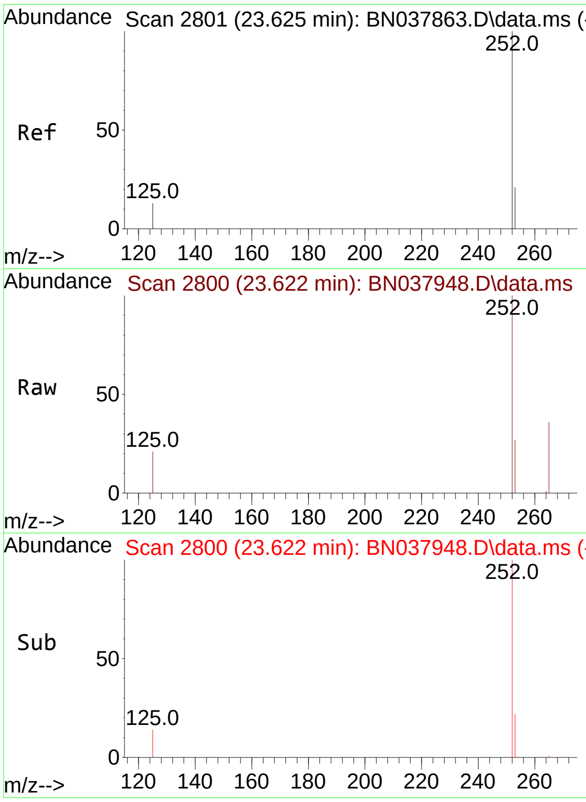
#38
Benzo(k)fluoranthene
Concen: 0.414 ng
RT: 23.066 min Scan# 2610
Delta R.T. -0.006 min
Lab File: BN037948.D
Acq: 30 Sep 2025 16:33

Tgt Ion:252 Resp: 31446

Ion	Ratio	Lower	Upper
252	100		
253	24.0	19.5	29.3
125	15.4	13.0	19.4



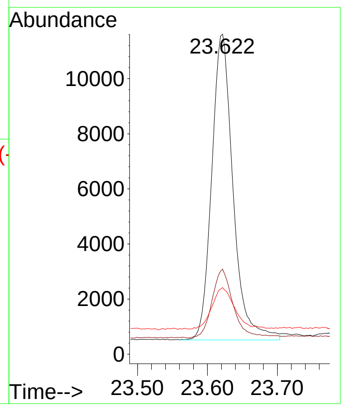
Instrument : BNA_N
ClientSampleId : RW10-MW01D-20250923MS

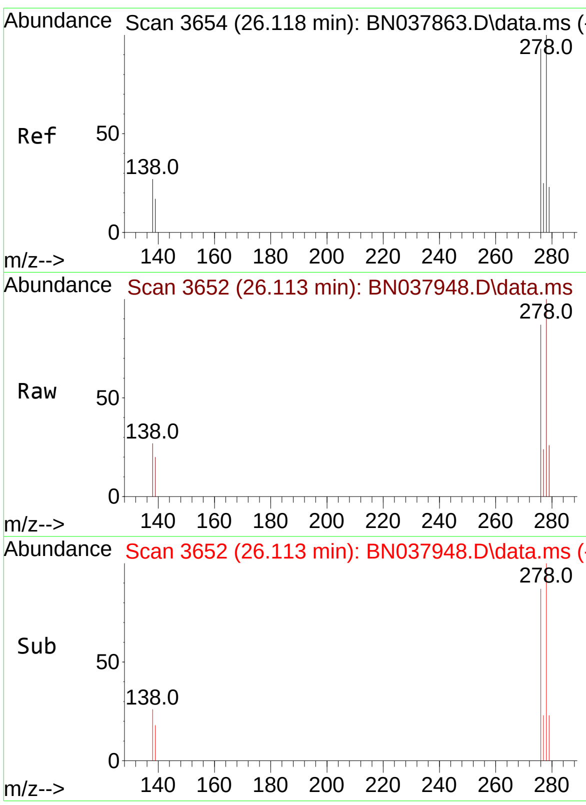


#39
Benzo(a)pyrene
Concen: 0.395 ng
RT: 23.622 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN037948.D
Acq: 30 Sep 2025 16:33

Tgt Ion:252 Resp: 23594

Ion	Ratio	Lower	Upper
252	100		
253	26.6	20.6	30.8
125	20.8	16.7	25.1

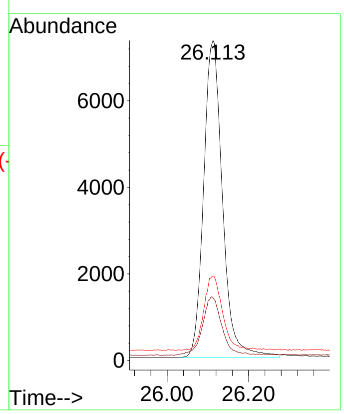


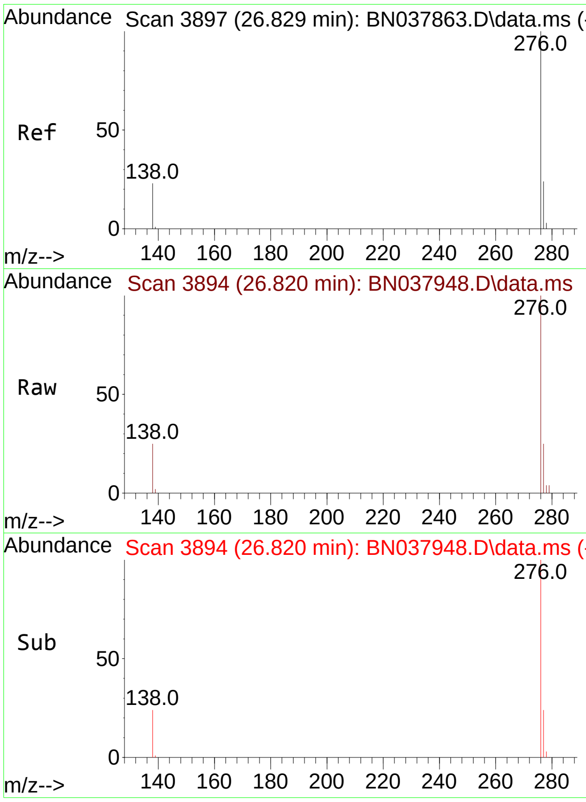


#40
Dibenzo(a,h)anthracene
Concen: 0.378 ng
RT: 26.113 min Scan# 3652
Delta R.T. -0.006 min
Lab File: BN037948.D
Acq: 30 Sep 2025 16:33

Tgt Ion:278 Resp: 23653

Ion	Ratio	Lower	Upper
278	100		
139	19.5	15.4	23.2
279	26.4	20.8	31.2

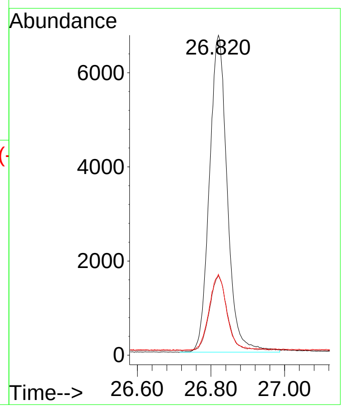





```
#41
Benzo(g,h,i)perylene
Concen:    0.346 ng
RT:  26.820 min  Scan# 38
Delta R.T.  -0.009 min
Lab File:   BN037948.D
Acq: 30 Sep 2025  16:33

Tgt Ion:276 Resp:   22739
Ion  Ratio  Lower  Upper
276  100
277   24.8   20.2   30.4
138   25.3   19.8   29.8
```

Instrument :
BNA_N
ClientSampleId :
RW10-MW01D-20250923MS



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:	09/23/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258			Date Received:	09/24/25
Client Sample ID:	RW10-MW01D-20250923MSD			SDG No.:	Q3193
Lab Sample ID:	Q3193-03MSD			Matrix:	Water
Analytical Method:	SW8270ESIM			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-SIMGroup1
Extraction Type :		Decanted :	N	Level :	LOW
Injection Volume :		GPC Factor :	1.0	GPC Cleanup :	N PH :
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037949.D	1	09/29/25 08:43	09/30/25 17:09	PB169886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.31		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.36		30 - 150		89%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.39		30 - 150		98%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.35		55 - 111		86%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.35		53 - 106		88%	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	6980	7.811				
1146-65-2	Naphthalene-d8	20000	10.616				
15067-26-2	Acenaphthene-d10	10700	14.462				
1517-22-2	Phenanthrene-d10	21700	17.211				
1719-03-5	Chrysene-d12	19100	21.393				
1520-96-3	Perylene-d12	18000	23.724				

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 : BN037949.D
Acq On : 30 Sep 2025 17:09
Operator : RC/JU
Sample : Q3193-03MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RW10-MW01D-20250923MSD

Quant Time: Sep 30 17:37:05 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	7.811	152	6976	0.400 ng	-0.01
7) Naphthalene-d8	10.616	136	19964	0.400 ng	-0.01
13) Acenaphthene-d10	14.462	164	10698	0.400 ng	-0.01
19) Phenanthrene-d10	17.211	188	21721	0.400 ng	#-0.01
29) Chrysene-d12	21.393	240	19129	0.400 ng	# 0.00
35) Perylene-d12	23.724	264	17953	0.400 ng	0.00
System Monitoring Compounds					
4) 2-Fluorophenol	5.384	112	3871	0.243 ng	0.00
5) Phenol-d6	6.973	99	3244	0.155 ng	0.00
8) Nitrobenzene-d5	8.961	82	5252	0.345 ng	-0.01
11) 2-Methylnaphthalene-d10	12.212	152	9867	0.356 ng	0.00
14) 2,4,6-Tribromophenol	15.957	330	1513	0.373 ng	-0.01
15) 2-Fluorobiphenyl	13.094	172	15499	0.354 ng	0.00
27) Fluoranthene-d10	19.248	212	21487	0.393 ng	0.00
31) Terphenyl-d14	19.847	244	18520	0.486 ng	0.00
Target Compounds					Qvalue
2) 1,4-Dioxane	3.290	88	2213	0.312 ng	# 83
3) n-Nitrosodimethylamine	3.593	42	1404	0.149 ng	# 86
6) bis(2-Chloroethyl)ether	7.233	93	6476	0.334 ng	98
9) Naphthalene	10.669	128	18445	0.335 ng	100
10) Hexachlorobutadiene	10.968	225	3013	0.321 ng	# 99
12) 2-Methylnaphthalene	12.283	142	10903	0.303 ng	99
16) Acenaphthylene	14.185	152	16900	0.348 ng	100
17) Acenaphthene	14.527	154	11252	0.325 ng	98
18) Fluorene	15.510	166	14299	0.342 ng	100
20) 4,6-Dinitro-2-methylph...	15.585	198	953	0.408 ng	# 76
21) 4-Bromophenyl-phenylether	16.404	248	4785	0.338 ng	# 82
22) Hexachlorobenzene	16.528	284	5715	0.333 ng	100
23) Atrazine	16.677	200	3743	0.347 ng	# 96
24) Pentachlorophenol	16.863	266	4258	0.723 ng	96
25) Phenanthrene	17.260	178	25537	0.357 ng	99
26) Anthracene	17.347	178	22149	0.357 ng	100
28) Fluoranthene	19.276	202	29204	0.371 ng	99
30) Pyrene	19.638	202	29002	0.384 ng	100
32) Benzo(a)anthracene	21.384	228	27184	0.407 ng	98
33) Chrysene	21.429	228	28965	0.401 ng	99
34) Bis(2-ethylhexyl)phtha...	21.322	149	13881	0.525 ng	98
36) Indeno(1,2,3-cd)pyrene	26.095	276	34965	0.426 ng	99
37) Benzo(b)fluoranthene	23.019	252	30897	0.399 ng	99
38) Benzo(k)fluoranthene	23.066	252	31287	0.402 ng	100
39) Benzo(a)pyrene	23.619	252	24291	0.397 ng	99
40) Dibenzo(a,h)anthracene	26.110	278	27216	0.425 ng	100
41) Benzo(g,h,i)perylene	26.820	276	25572	0.380 ng	100

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

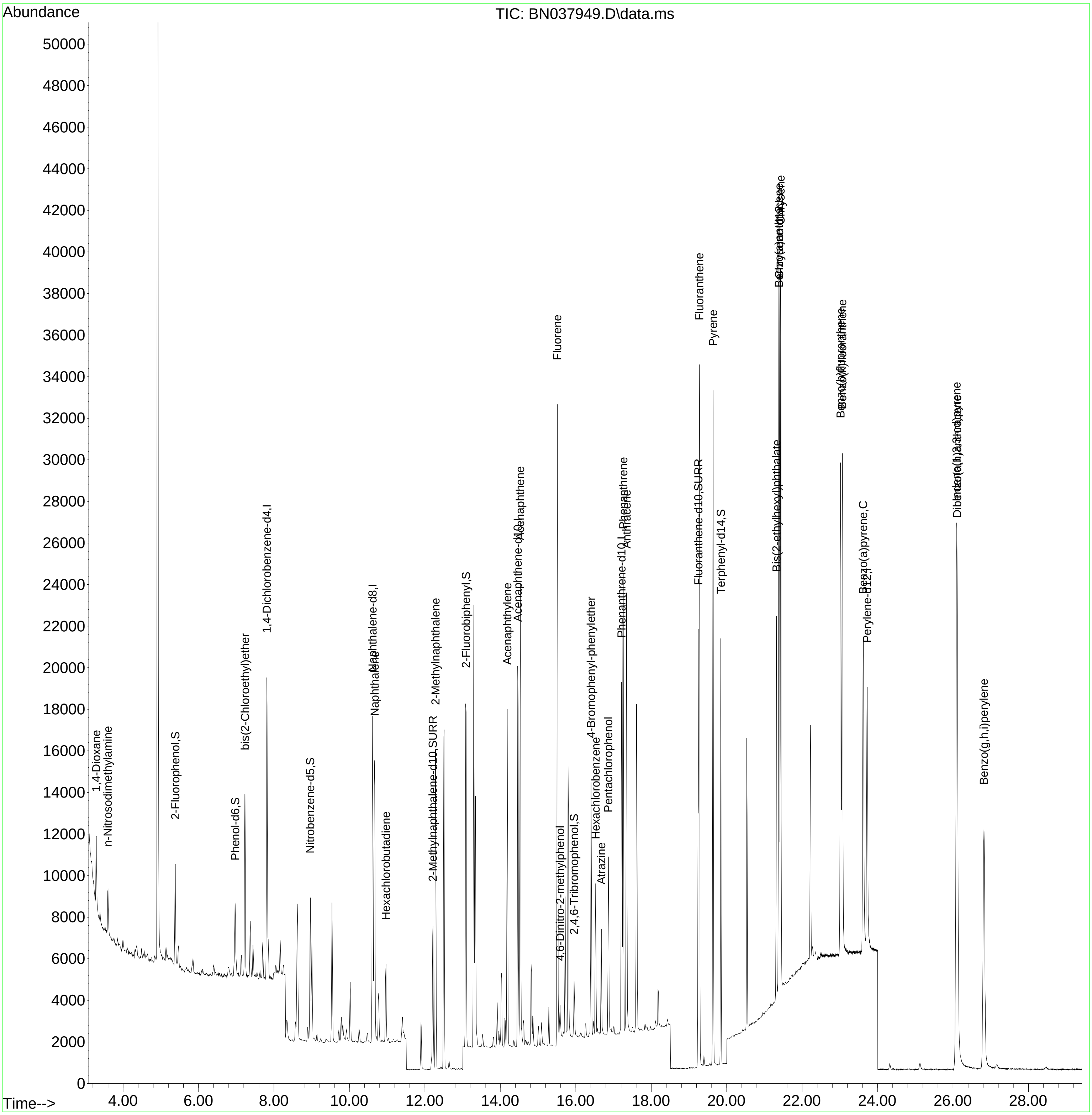
Quantitation Report (QT Reviewed)

Sample Results: **BN037949.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN093025\
Data File : BN037949.D
Acq On : 30 Sep 2025 17:09
Operator : RC/JU
Sample : Q3193-03MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

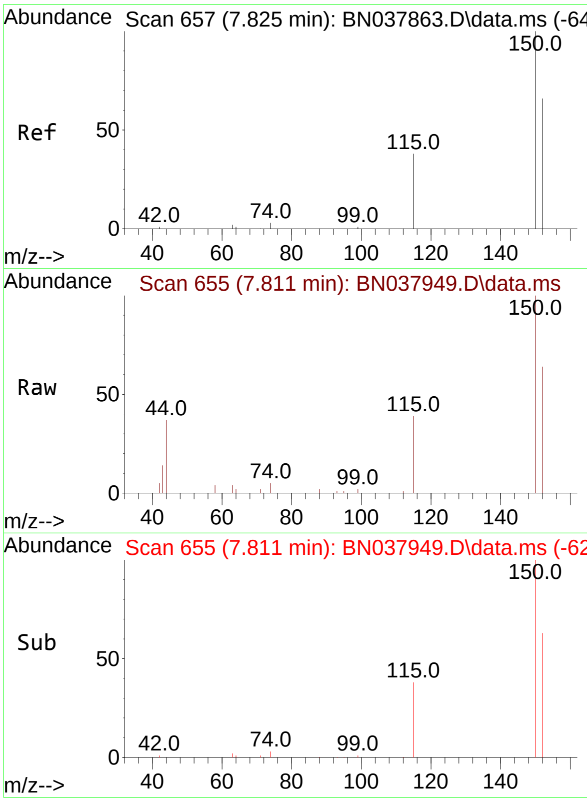
Instrument :
BNA_N
ClientSampleId :
RW10-MW01D-20250923MSD

Quant Time: Sep 30 17:37:05 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 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

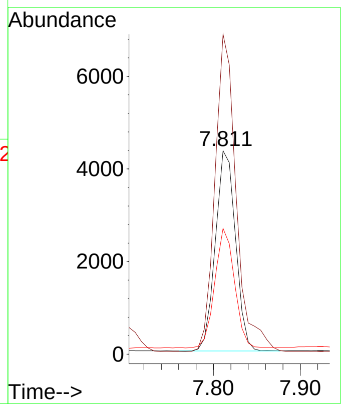
Instrument :
BNA_N
ClientSampleId :
RW10-MW01D-20250923MSD

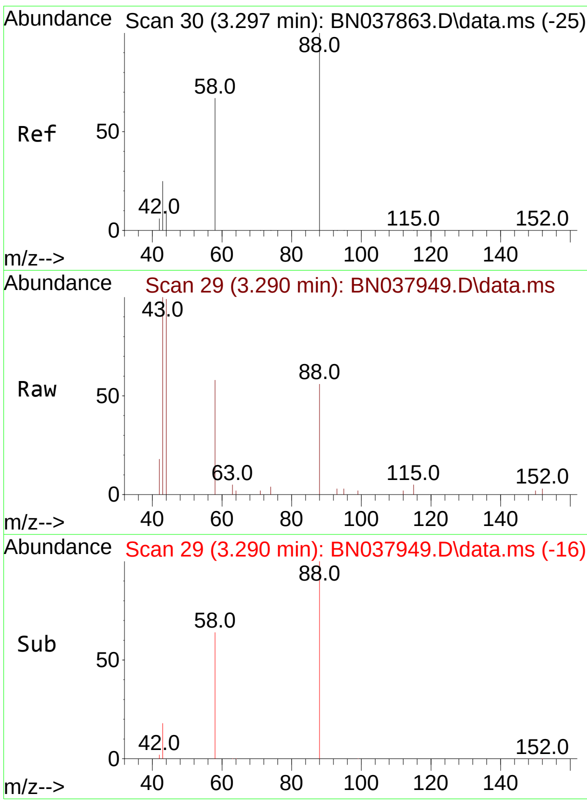


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.811 min Scan# 6
Delta R.T. -0.014 min
Lab File: BN037949.D
Acq: 30 Sep 2025 17:09

Tgt Ion:152 Resp: 6976

Ion	Ratio	Lower	Upper
152	100		
150	157.4	121.0	181.4
115	61.9	47.4	71.0

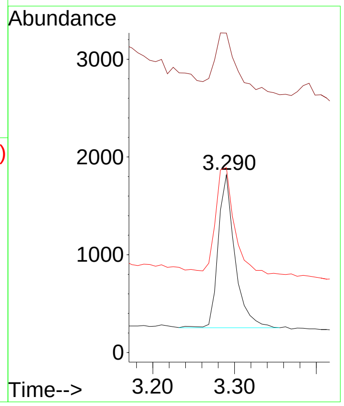




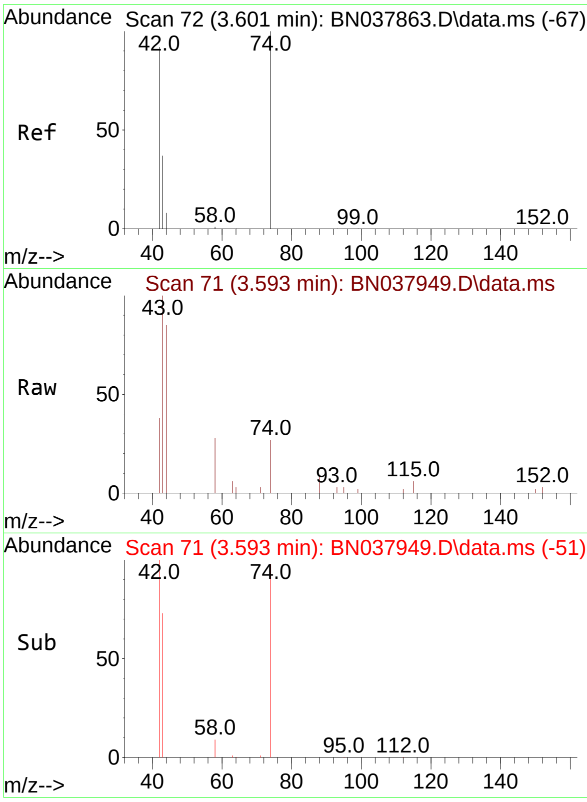
#2
1,4-Dioxane
Concen: 0.312 ng
RT: 3.290 min Scan# 29
Delta R.T. -0.007 min
Lab File: BN037949.D
Acq: 30 Sep 2025 17:09

Tgt Ion: 88 Resp: 2213

Ion	Ratio	Lower	Upper
88	100		
43	55.2	26.6	39.8#
58	79.2	58.9	88.3



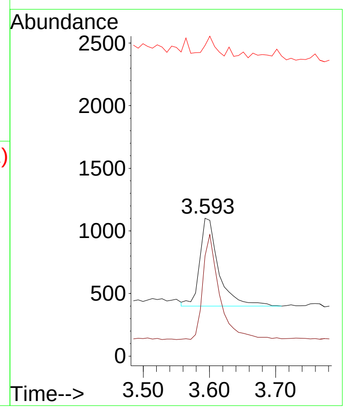
Instrument :
BNA_N
ClientSampleId :
RW10-MW01D-20250923MSD

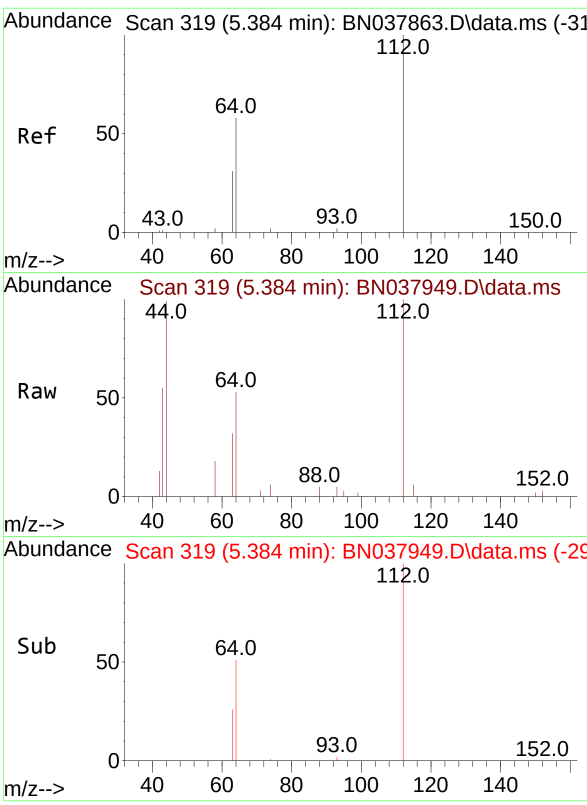


#3
n-Nitrosodimethylamine
Concen: 0.149 ng
RT: 3.593 min Scan# 7
Delta R.T. -0.007 min
Lab File: BN037949.D
Acq: 30 Sep 2025 17:09

Tgt Ion: 42 Resp: 1404

Ion	Ratio	Lower	Upper
42	100		
74	105.3	93.4	140.0
44	11.8	22.2	33.4#

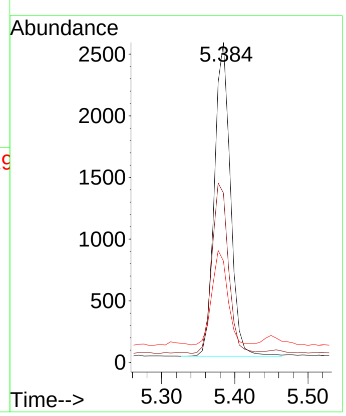




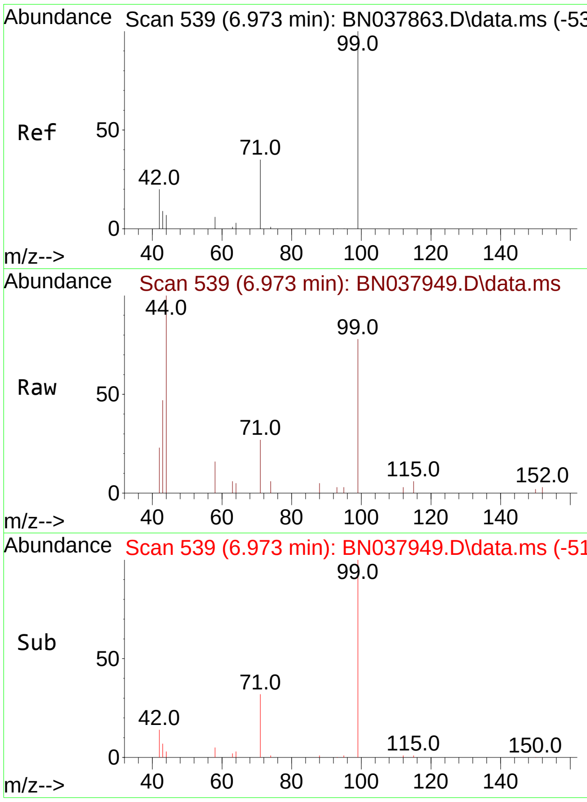
#4
2-Fluorophenol
Concen: 0.243 ng
RT: 5.384 min Scan# 319
Delta R.T. 0.000 min
Lab File: BN037949.D
Acq: 30 Sep 2025 17:09

Tgt Ion:112 Resp: 3871

Ion	Ratio	Lower	Upper
112	100		
64	55.8	44.6	66.8
63	30.0	24.9	37.3



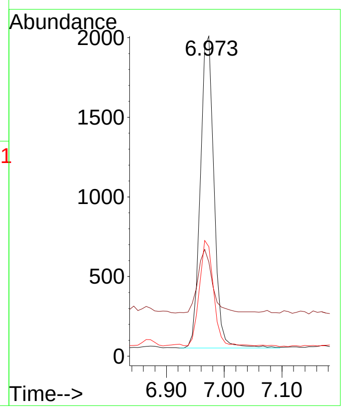
Instrument :
BNA_N
ClientSampleId :
RW10-MW01D-20250923MSD

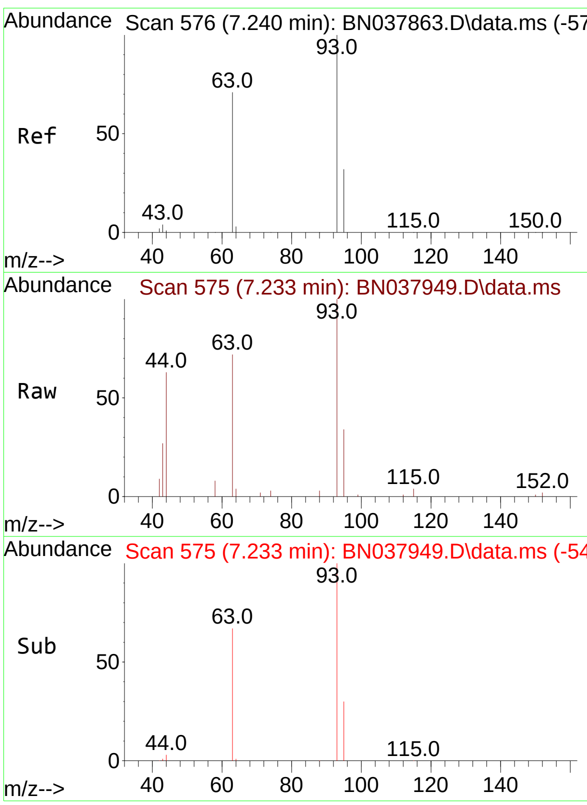


#5
Phenol-d6
Concen: 0.155 ng
RT: 6.973 min   Scan# 5
Delta R.T.   0.000 min
Lab File: BN037949.D
Acq: 30 Sep 2025   17:09

Tgt Ion: 99 Resp: 3244

Ion	Ratio	Lower	Upper
99	100		
42	21.7	17.2	25.8
71	34.6	27.3	40.9

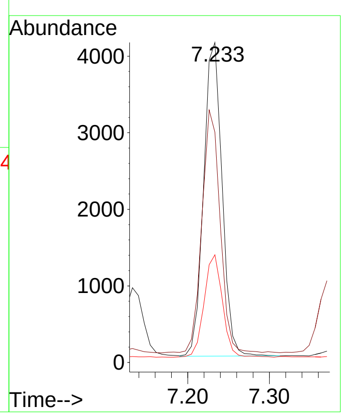




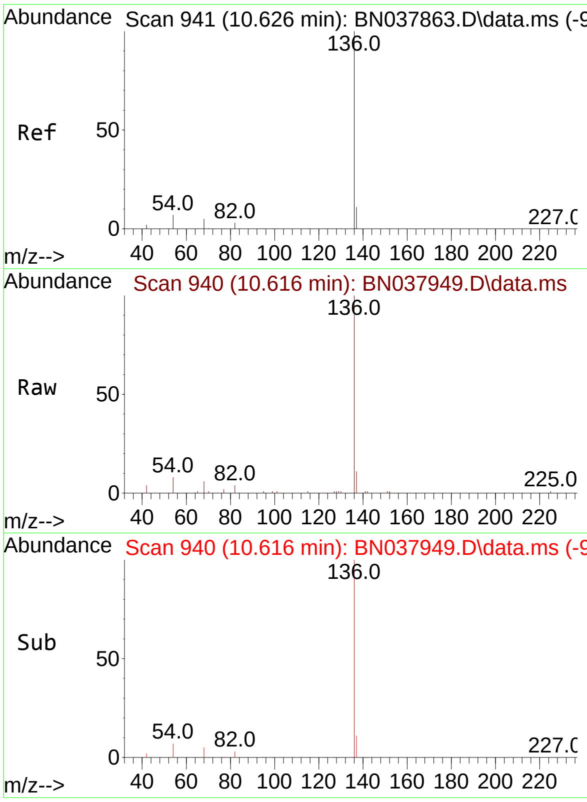
#6
bis(2-Chloroethyl)ether
Concen: 0.334 ng
RT: 7.233 min   Scan# 575
Delta R.T.   -0.007 min
Lab File: BN037949.D
Acq: 30 Sep 2025   17:09

Tgt Ion: 93 Resp: 6476

Ion	Ratio	Lower	Upper
93	100		
63	76.7	60.1	90.1
95	32.4	25.4	38.2



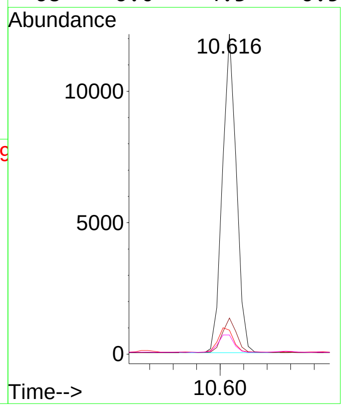
Instrument :
BNA_N
ClientSampleId :
RW10-MW01D-20250923MSD

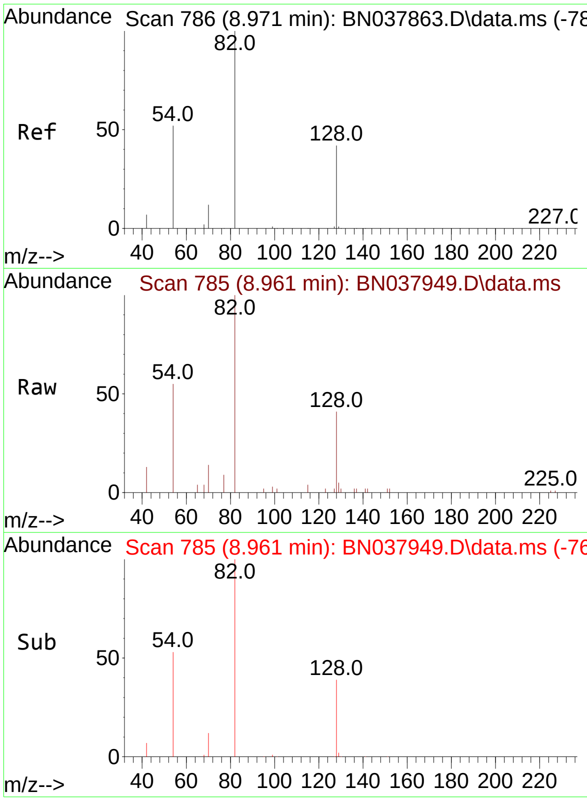


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.616 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037949.D
Acq: 30 Sep 2025 17:09

Tgt Ion:136 Resp: 19964

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.4
54	7.5	5.8	8.8
68	6.0	4.3	6.5

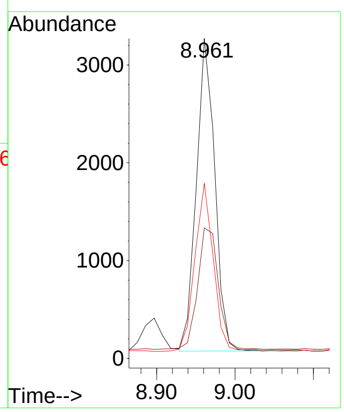




#8
Nitrobenzene-d5
Concen: 0.345 ng
RT: 8.961 min Scan# 785
Delta R.T. -0.011 min
Lab File: BN037949.D
Acq: 30 Sep 2025 17:09

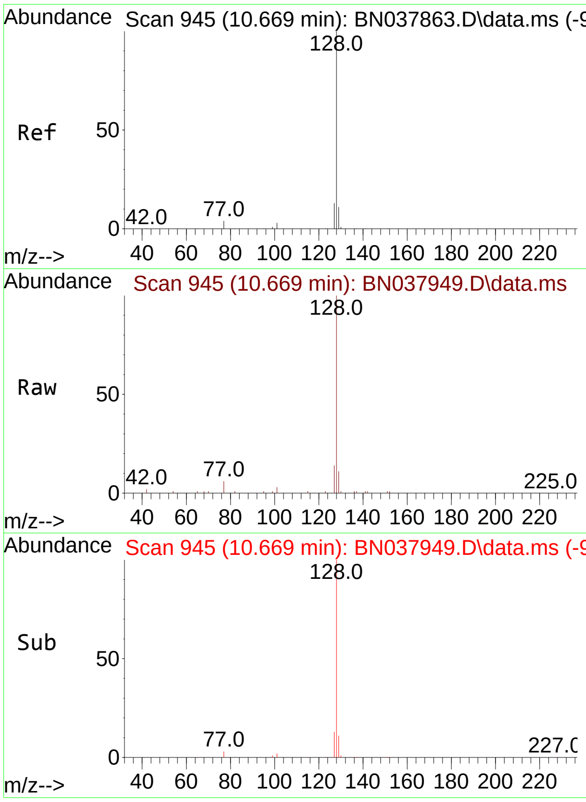
Tgt Ion: 82 Resp: 5252

Ion	Ratio	Lower	Upper
82	100		
128	40.8	34.8	52.2
54	54.6	42.2	63.2



Instrument :
BNA_N
ClientSampleId :
RW10-MW01D-20250923MSD

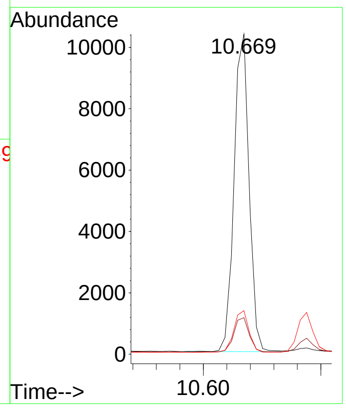
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

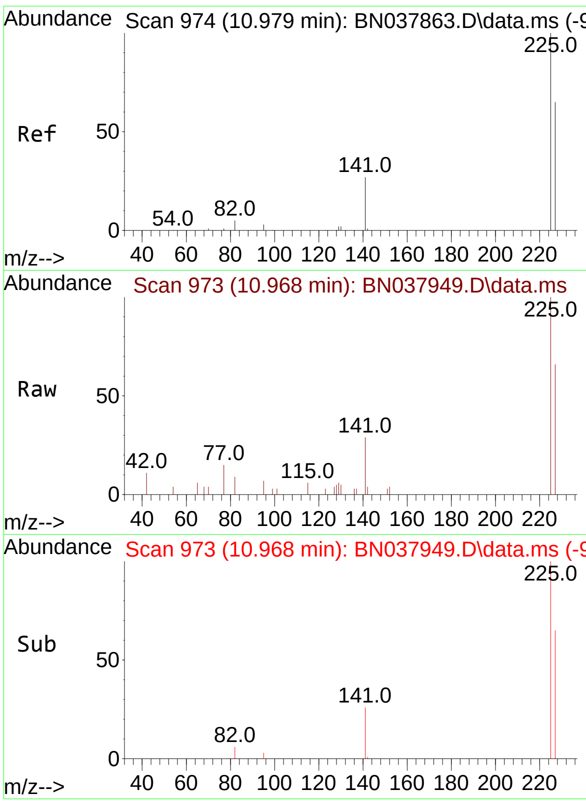


#9
Naphthalene
Concen: 0.335 ng
RT: 10.669 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN037949.D
Acq: 30 Sep 2025 17:09

Tgt Ion:128 Resp: 18445

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.2	13.8
127	13.6	11.0	16.6

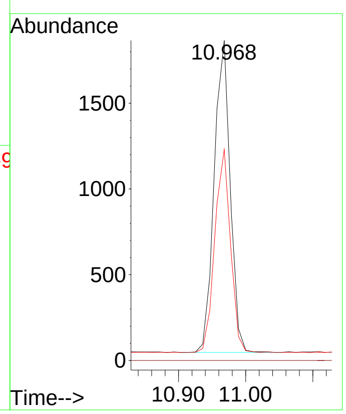




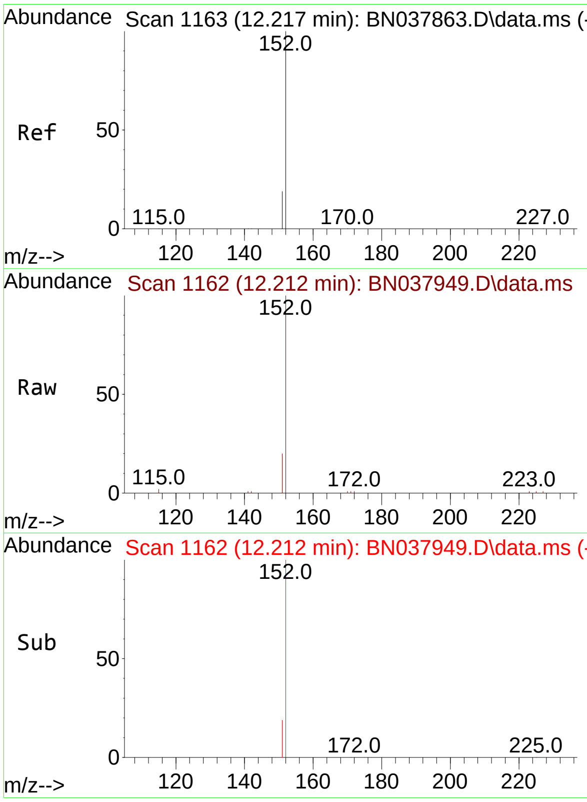
#10
Hexachlorobutadiene
Concen: 0.321 ng
RT: 10.968 min Scan# 973
Delta R.T. -0.011 min
Lab File: BN037949.D
Acq: 30 Sep 2025 17:09

Tgt Ion:225 Resp: 3013

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.6	51.4	77.2



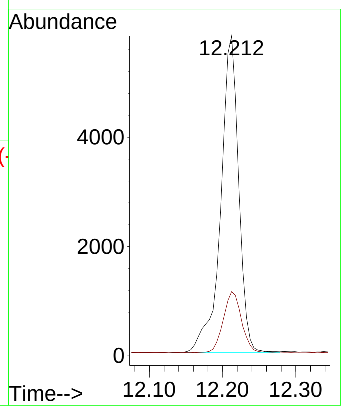
Instrument : BNA_N
ClientSampleId : RW10-MW01D-20250923MSD

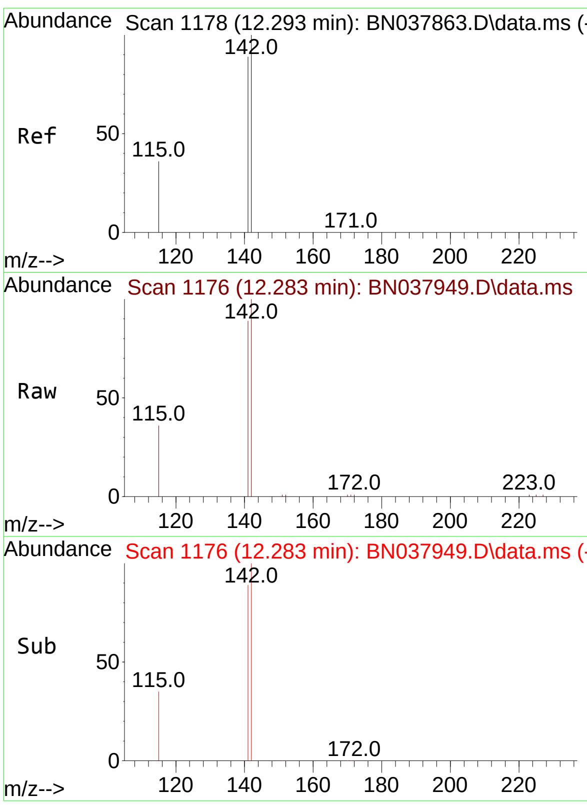


#11
2-Methylnaphthalene-d10
Concen: 0.356 ng
RT: 12.212 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN037949.D
Acq: 30 Sep 2025 17:09

Tgt Ion:152 Resp: 9867

Ion	Ratio	Lower	Upper
152	100		
151	19.5	17.4	26.2

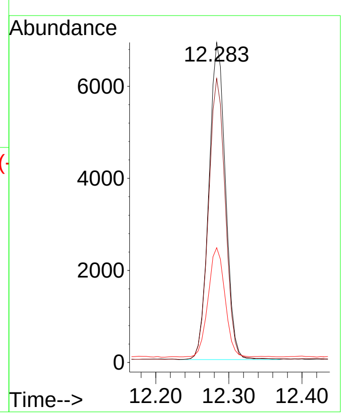




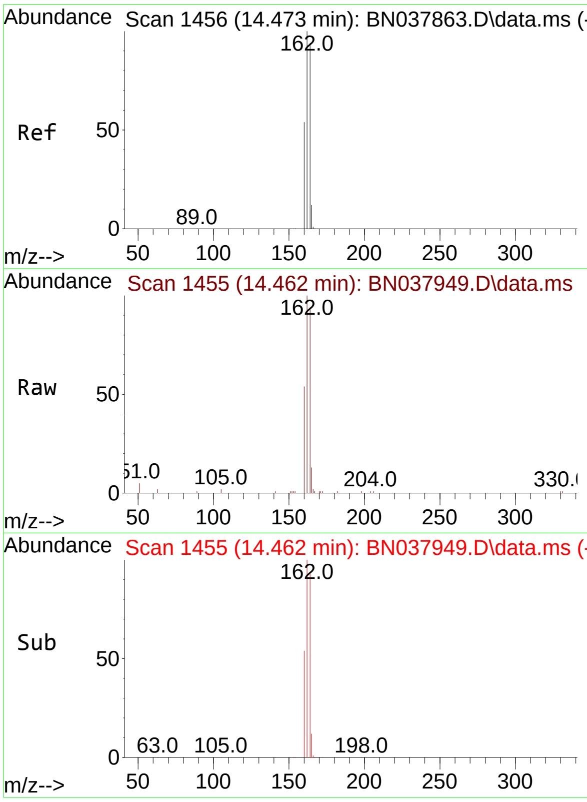
#12
2-Methylnaphthalene
Concen: 0.303 ng
RT: 12.283 min Scan# 1176
Delta R.T. -0.010 min
Lab File: BN037949.D
Acq: 30 Sep 2025 17:09

Tgt Ion:142 Resp: 10903

Ion	Ratio	Lower	Upper
142	100		
141	88.8	71.2	106.8
115	35.9	29.7	44.5



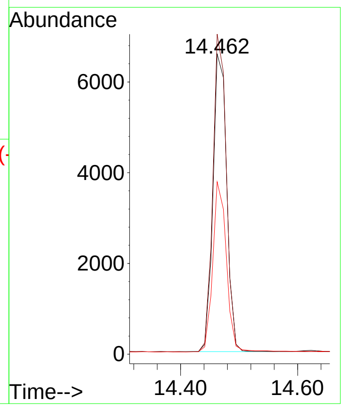
Instrument : BNA_N
ClientSampleId : RW10-MW01D-20250923MSD

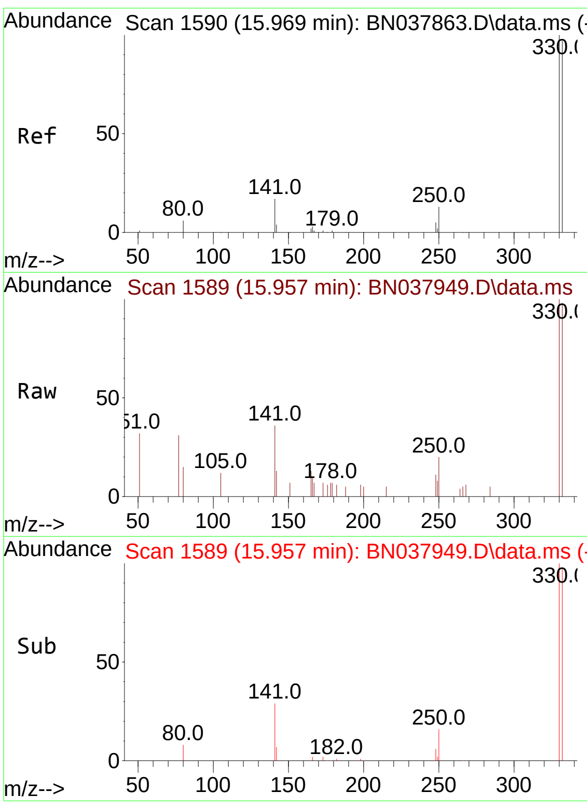


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.462 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN037949.D
Acq: 30 Sep 2025 17:09

Tgt Ion:164 Resp: 10698

Ion	Ratio	Lower	Upper
164	100		
162	106.6	84.8	127.2
160	57.4	46.1	69.1

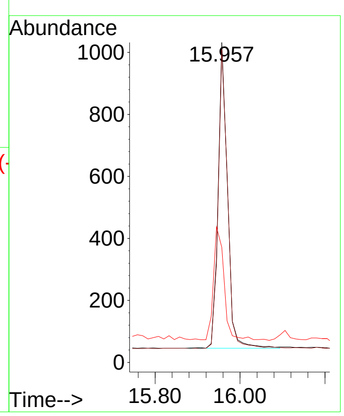




#14
2,4,6-Tribromophenol
Concen: 0.373 ng
RT: 15.957 min Scan# 1589
Delta R.T. -0.012 min
Lab File: BN037949.D
Acq: 30 Sep 2025 17:09

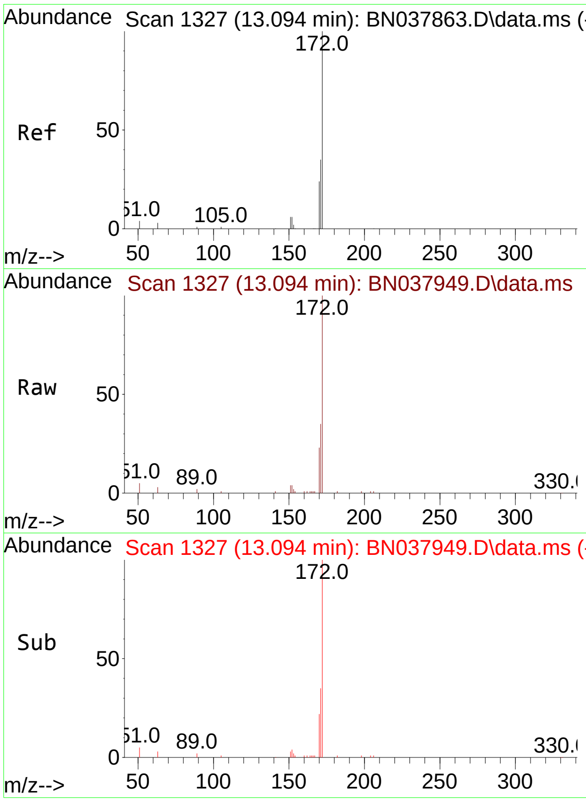
Tgt Ion:330 Resp: 1513

Ion	Ratio	Lower	Upper
330	100		
332	98.0	77.2	115.8
141	42.4	37.2	55.8



Instrument :
BNA_N
ClientSampleId :
RW10-MW01D-20250923MSD

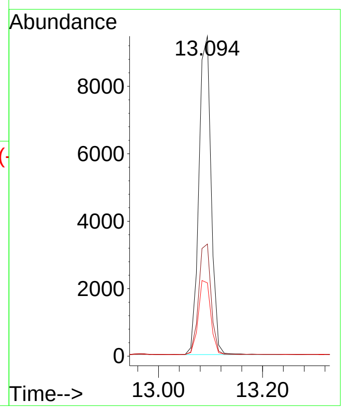
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

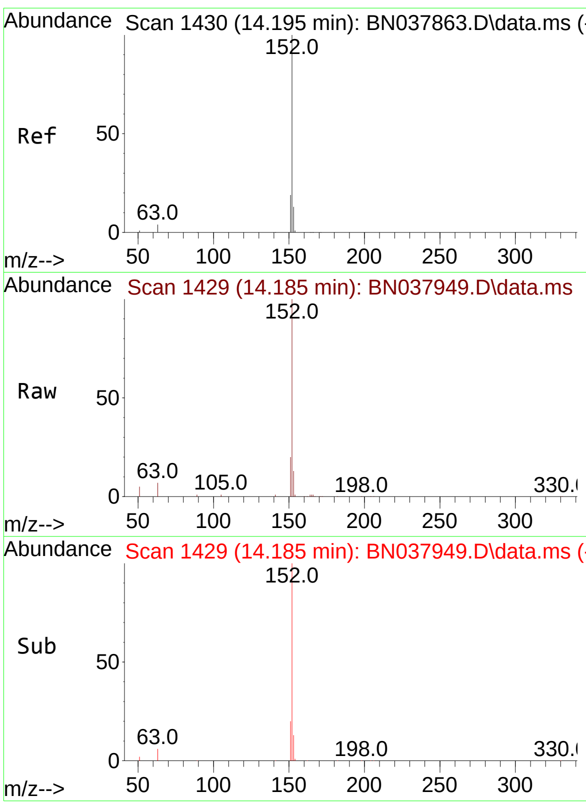


#15
2-Fluorobiphenyl
Concen: 0.354 ng
RT: 13.094 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037949.D
Acq: 30 Sep 2025 17:09

Tgt Ion:172 Resp: 15499

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.6	43.0
170	22.9	19.7	29.5

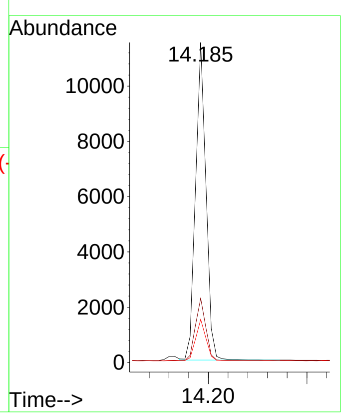




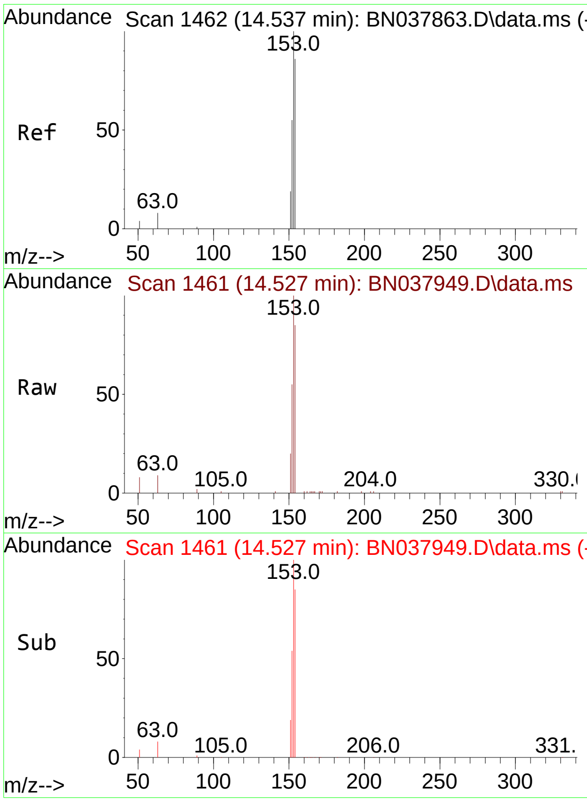
#16
Acenaphthylene
Concen: 0.348 ng
RT: 14.185 min Scan# 1429
Delta R.T. -0.011 min
Lab File: BN037949.D
Acq: 30 Sep 2025 17:09

Tgt Ion:152 Resp: 16900

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.8	23.8
153	13.3	10.5	15.7



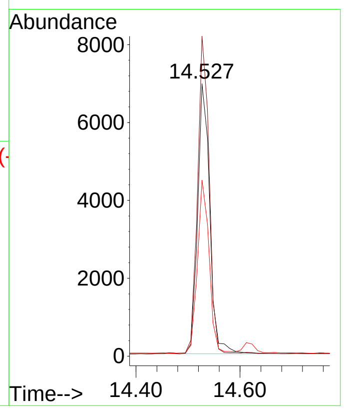
Instrument :
BNA_N
ClientSampleId :
RW10-MW01D-20250923MSD

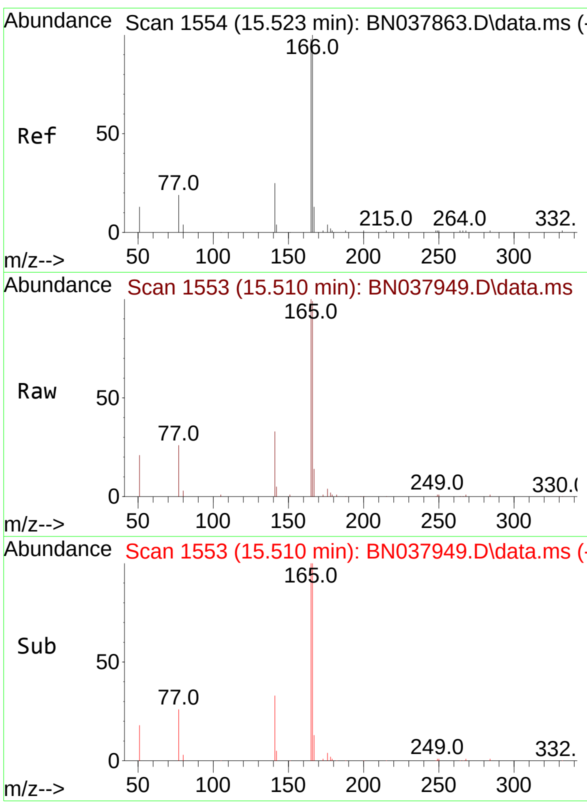


#17
Acenaphthene
Concen: 0.325 ng
RT: 14.527 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN037949.D
Acq: 30 Sep 2025 17:09

Tgt Ion:154 Resp: 11252

Ion	Ratio	Lower	Upper
154	100		
153	112.2	90.5	135.7
152	62.1	51.8	77.8

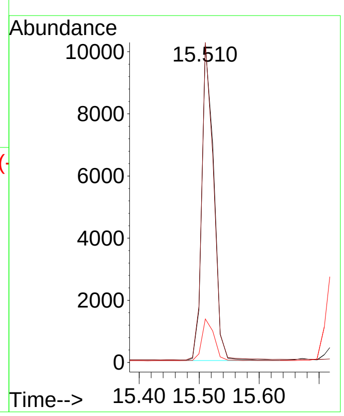




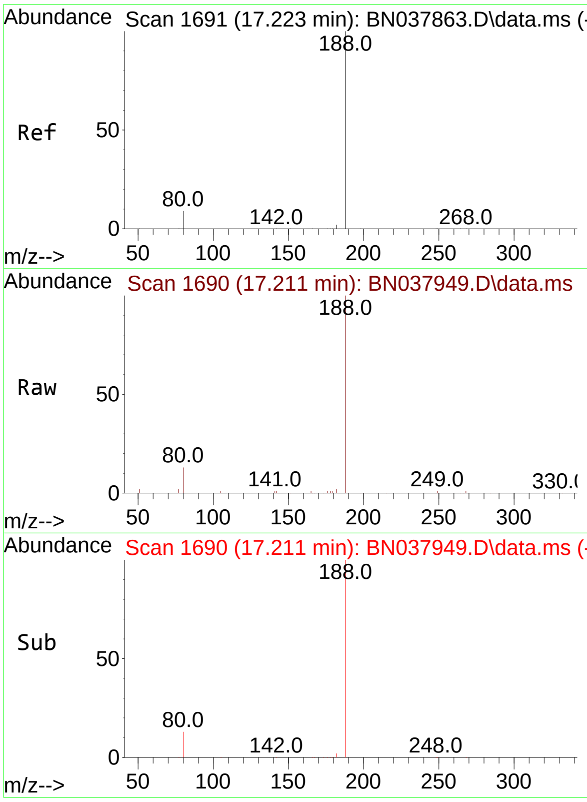
#18
Fluorene
Concen: 0.342 ng
RT: 15.510 min Scan# 1553
Delta R.T. -0.012 min
Lab File: BN037949.D
Acq: 30 Sep 2025 17:09

Tgt Ion:166 Resp: 14299

Ion	Ratio	Lower	Upper
166	100		
165	98.2	79.0	118.4
167	13.6	10.6	16.0



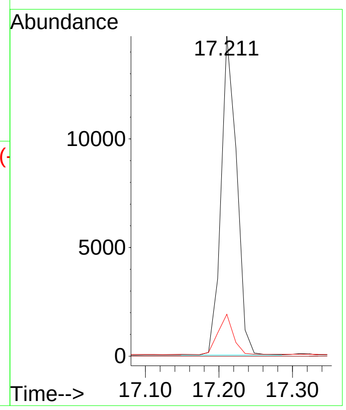
Instrument :
BNA_N
ClientSampleId :
RW10-MW01D-20250923MSD

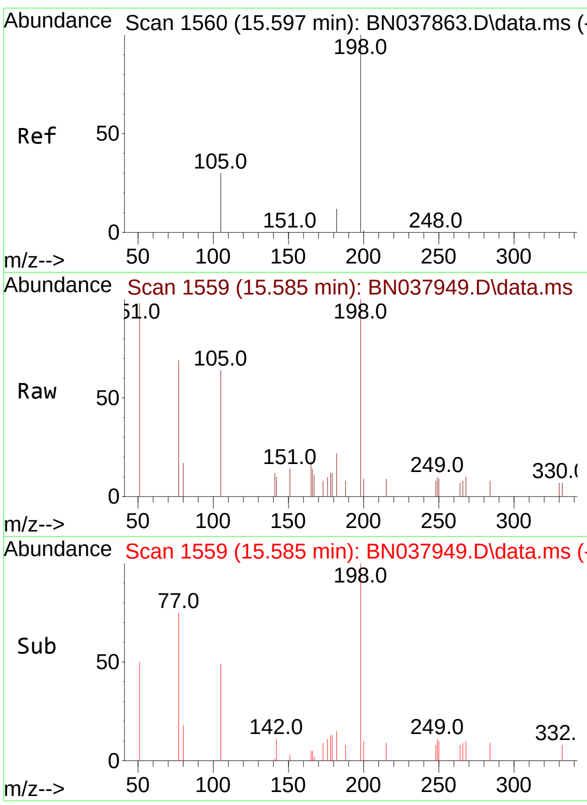


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.211 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037949.D
Acq: 30 Sep 2025 17:09

Tgt Ion:188 Resp: 21721

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	13.1	7.6	11.4#

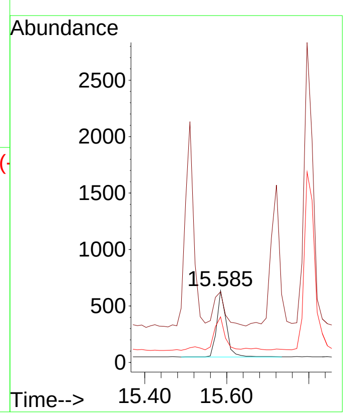




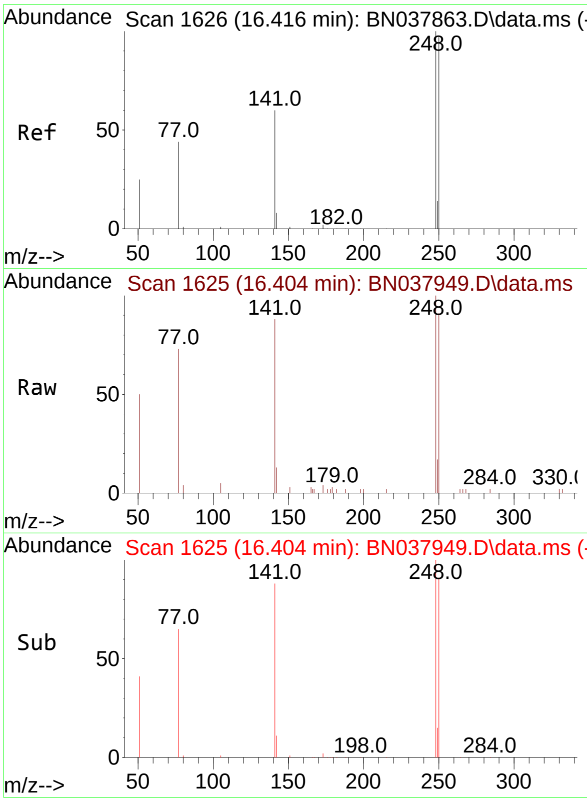
#20
4,6-Dinitro-2-methylphenol
Concen: 0.408 ng
RT: 15.585 min Scan# 1559
Delta R.T. -0.012 min
Lab File: BN037949.D
Acq: 30 Sep 2025 17:09

Tgt Ion:198 Resp: 953

Ion	Ratio	Lower	Upper
198	100		
51	98.4	59.1	88.7#
105	63.5	41.3	61.9#



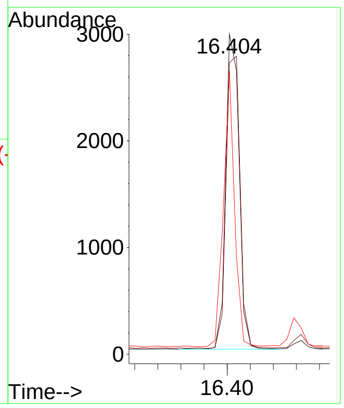
Instrument : BNA_N
ClientSampleId : RW10-MW01D-20250923MSD

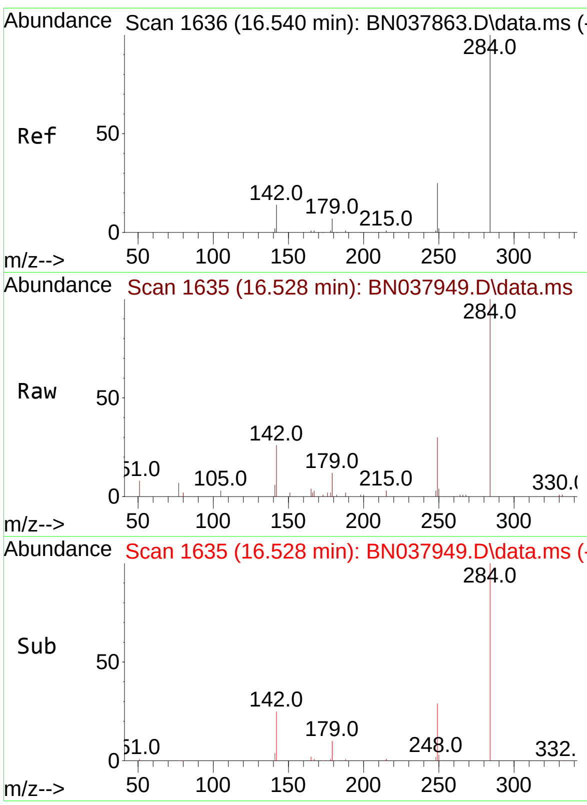


#21
4-Bromophenyl-phenylether
Concen: 0.338 ng
RT: 16.404 min Scan# 1625
Delta R.T. -0.012 min
Lab File: BN037949.D
Acq: 30 Sep 2025 17:09

Tgt Ion:248 Resp: 4785

Ion	Ratio	Lower	Upper
248	100		
250	91.2	77.6	116.4
141	88.5	48.8	73.2#

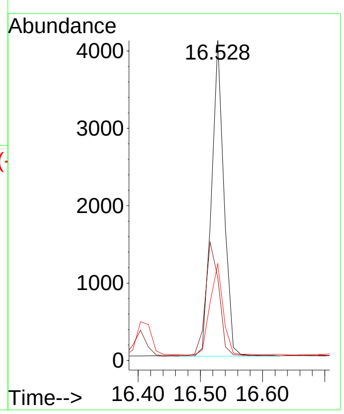




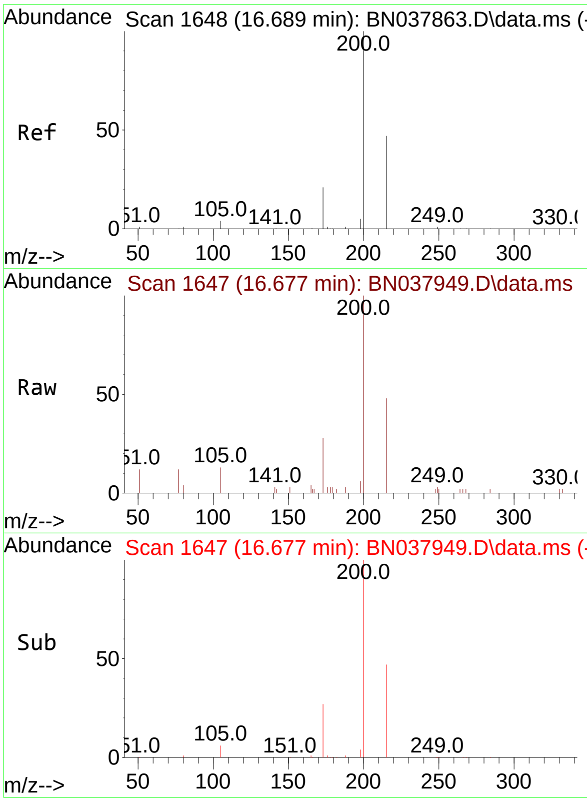
#22
Hexachlorobenzene
Concen: 0.333 ng
RT: 16.528 min Scan# 1635
Delta R.T. -0.012 min
Lab File: BN037949.D
Acq: 30 Sep 2025 17:09

Tgt Ion:284 Resp: 5715

Ion	Ratio	Lower	Upper
284	100		
142	38.5	30.9	46.3
249	30.3	23.9	35.9



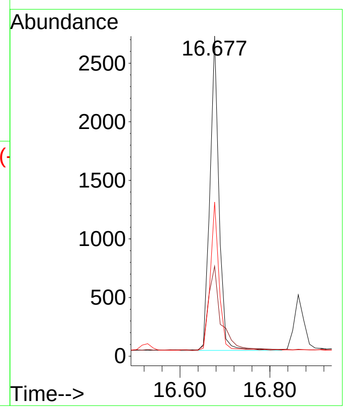
Instrument :
BNA_N
ClientSampleId :
RW10-MW01D-20250923MSD

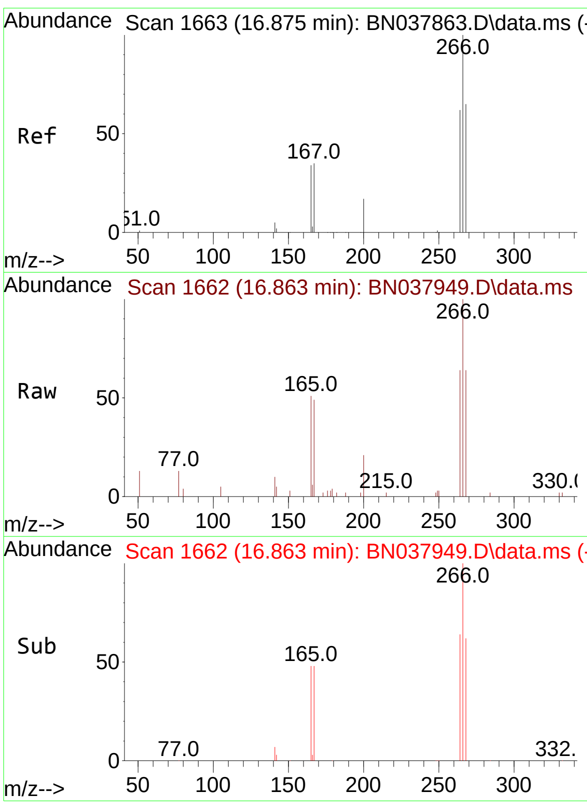


#23
Atrazine
Concen: 0.347 ng
RT: 16.677 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037949.D
Acq: 30 Sep 2025 17:09

Tgt Ion:200 Resp: 3743

Ion	Ratio	Lower	Upper
200	100		
173	28.1	18.3	27.5#
215	48.1	38.6	58.0

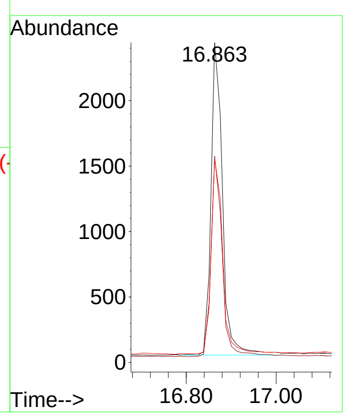




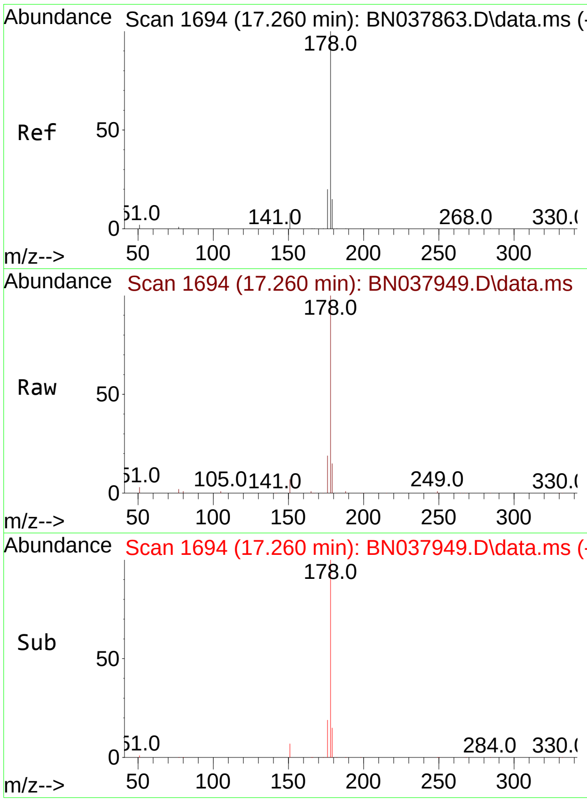
#24
Pentachlorophenol
Concen: 0.723 ng
RT: 16.863 min Scan# 1662
Delta R.T. -0.012 min
Lab File: BN037949.D
Acq: 30 Sep 2025 17:09

Tgt Ion:266 Resp: 4258

Ion	Ratio	Lower	Upper
266	100		
264	61.9	50.9	76.3
268	63.3	54.3	81.5

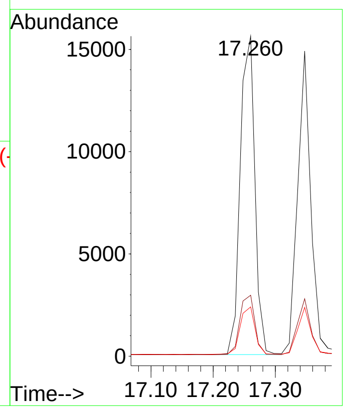


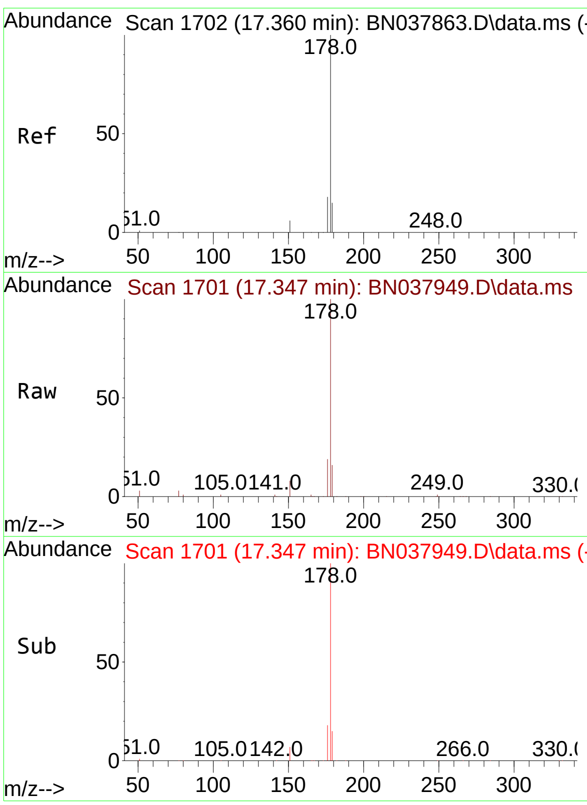
Instrument :
BNA_N
ClientSampleId :
RW10-MW01D-20250923MSD




```
#25
Phenanthrene
Concen:    0.357 ng
RT:  17.260 min  Scan# 1
Delta R.T.  0.000 min
Lab File:   BN037949.D
Acq: 30 Sep 2025  17:09

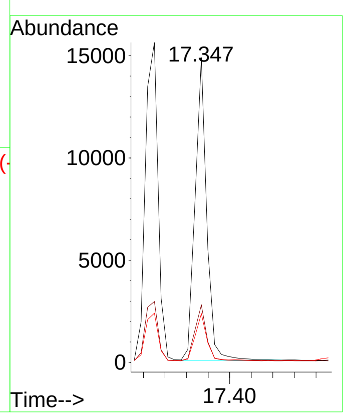
Tgt Ion:178 Resp:   25537
Ion  Ratio  Lower  Upper
178  100
176   19.2   15.7   23.5
179   15.2   12.3   18.5
```



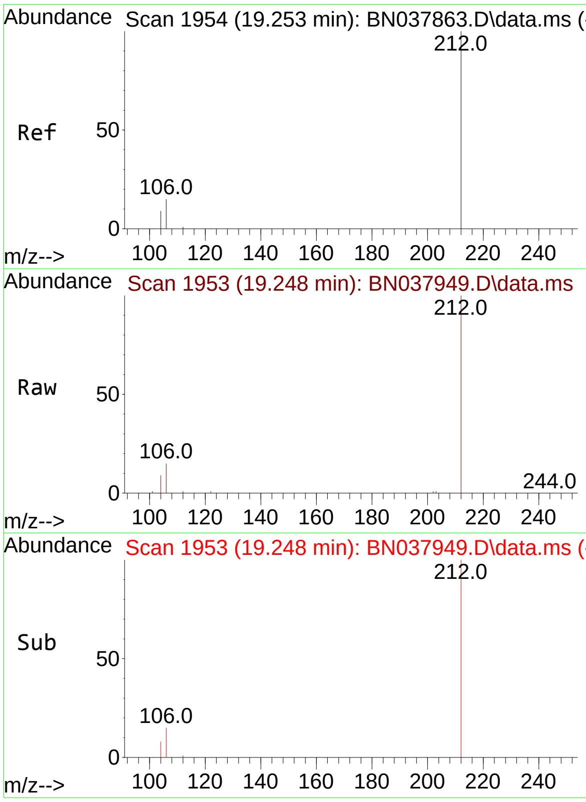



```
#26
Anthracene
Concen:    0.357 ng
RT:  17.347 min  Scan# 1701
Delta R.T.  -0.012 min
Lab File:   BN037949.D
Acq: 30 Sep 2025  17:09

Tgt Ion:178 Resp:   22149
Ion  Ratio  Lower  Upper
178  100
176   18.5   15.0   22.4
179   15.6   12.3   18.5
```



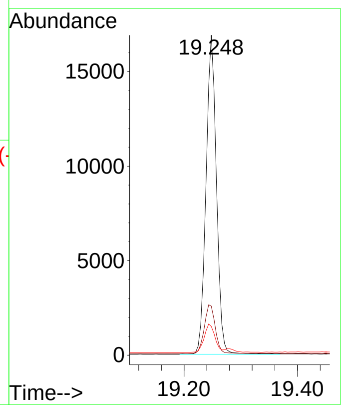
Instrument :
BNA_N
ClientSampleId :
RW10-MW01D-20250923MSD

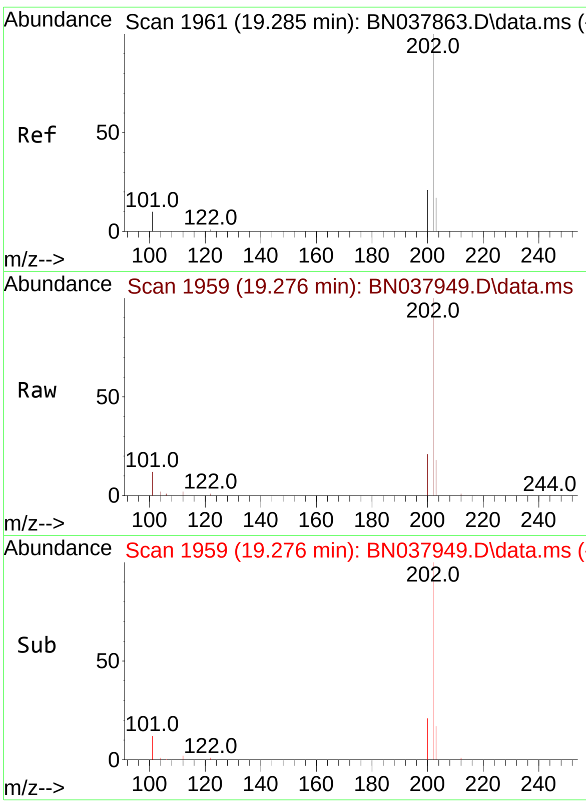


#27
Fluoranthene-d10
Concen: 0.393 ng
RT: 19.248 min Scan# 19
Delta R.T. -0.005 min
Lab File: BN037949.D
Acq: 30 Sep 2025 17:09

Tgt Ion:212 Resp: 21487

Ion	Ratio	Lower	Upper
212	100		
106	16.1	12.6	19.0
104	9.3	7.4	11.0

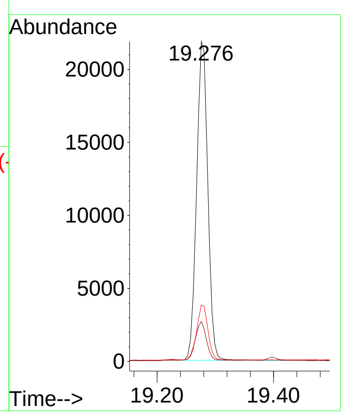




#28
Fluoranthene
Concen: 0.371 ng
RT: 19.276 min Scan# 1959
Delta R.T. -0.009 min
Lab File: BN037949.D
Acq: 30 Sep 2025 17:09

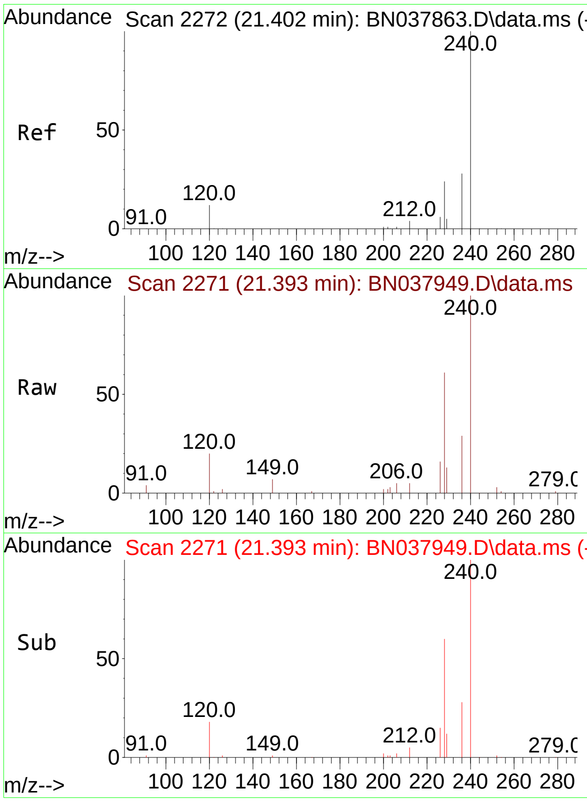
Tgt Ion:202 Resp: 29204

Ion	Ratio	Lower	Upper
202	100		
101	12.4	9.3	13.9
203	17.1	13.6	20.4



Instrument : BNA_N
ClientSampleId : RW10-MW01D-20250923MSD

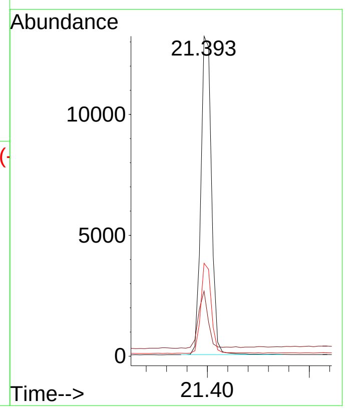
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

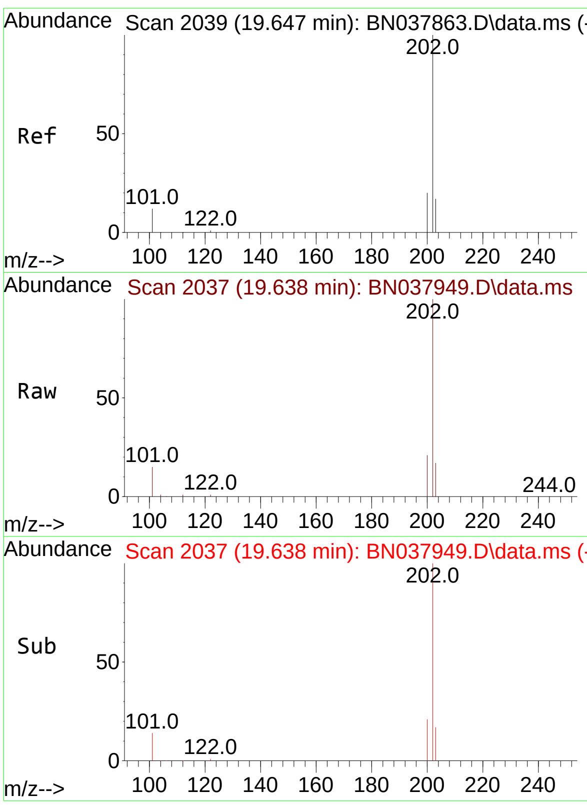


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.393 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037949.D
Acq: 30 Sep 2025 17:09

Tgt Ion:240 Resp: 19129

Ion	Ratio	Lower	Upper
240	100		
120	20.4	11.4	17.2#
236	29.1	23.0	34.6

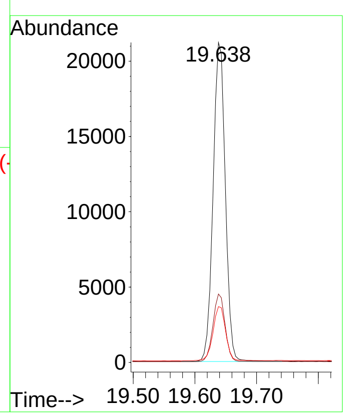




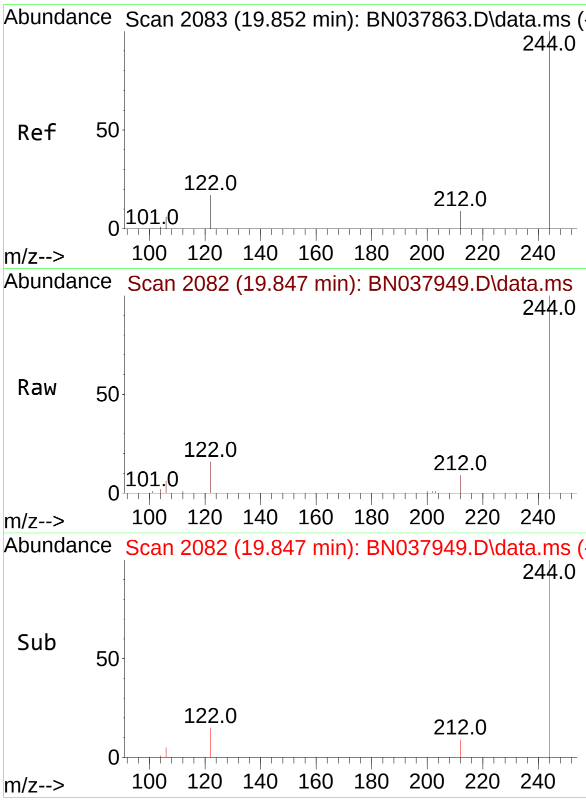
#30
Pyrene
Concen: 0.384 ng
RT: 19.638 min Scan# 2037
Delta R.T. -0.009 min
Lab File: BN037949.D
Acq: 30 Sep 2025 17:09

Tgt Ion:202 Resp: 29002

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.7	25.1
203	17.4	14.2	21.4



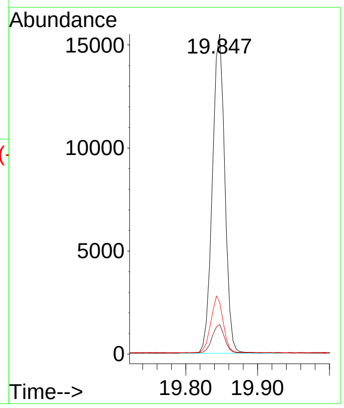
Instrument :
BNA_N
ClientSampleId :
RW10-MW01D-20250923MSD

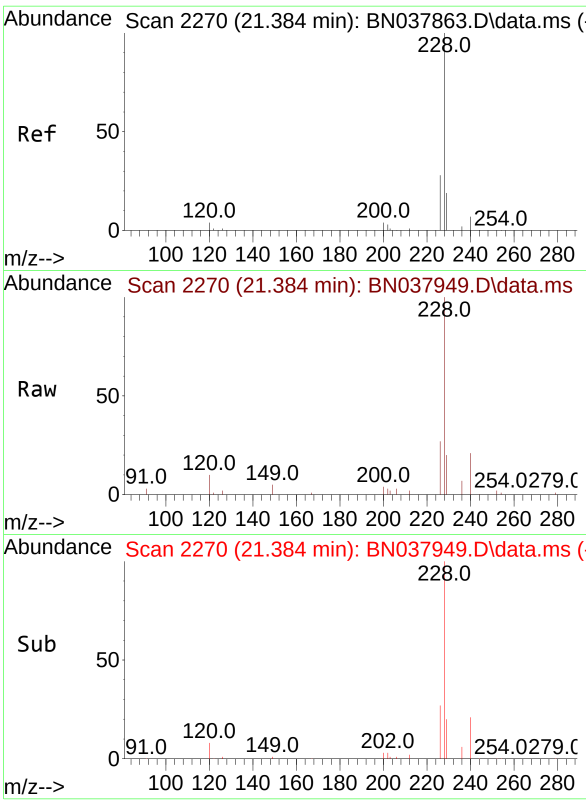


#31
Terphenyl-d14
Concen: 0.486 ng
RT: 19.847 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN037949.D
Acq: 30 Sep 2025 17:09

Tgt Ion:244 Resp: 18520

Ion	Ratio	Lower	Upper
244	100		
212	9.3	7.6	11.4
122	16.2	13.9	20.9

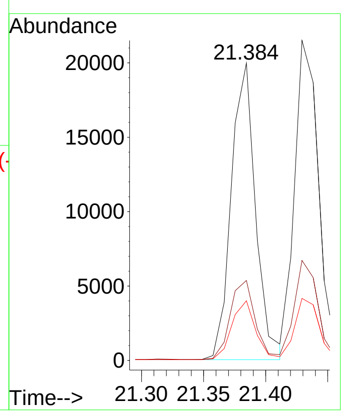




#32
Benzo(a)anthracene
Concen: 0.407 ng
RT: 21.384 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BN037949.D
Acq: 30 Sep 2025 17:09

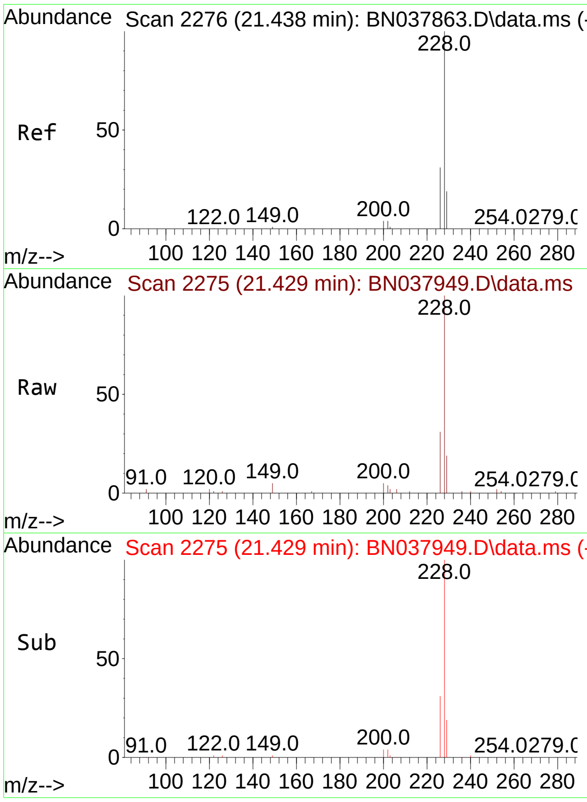
Tgt Ion:228 Resp: 27184

Ion	Ratio	Lower	Upper
228	100		
226	26.9	22.6	33.8
229	20.1	15.6	23.4



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

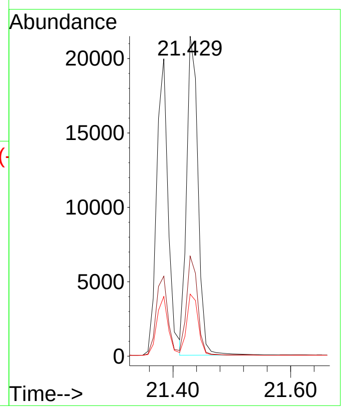
Instrument :
BNA_N
ClientSampleId :
RW10-MW01D-20250923MSD

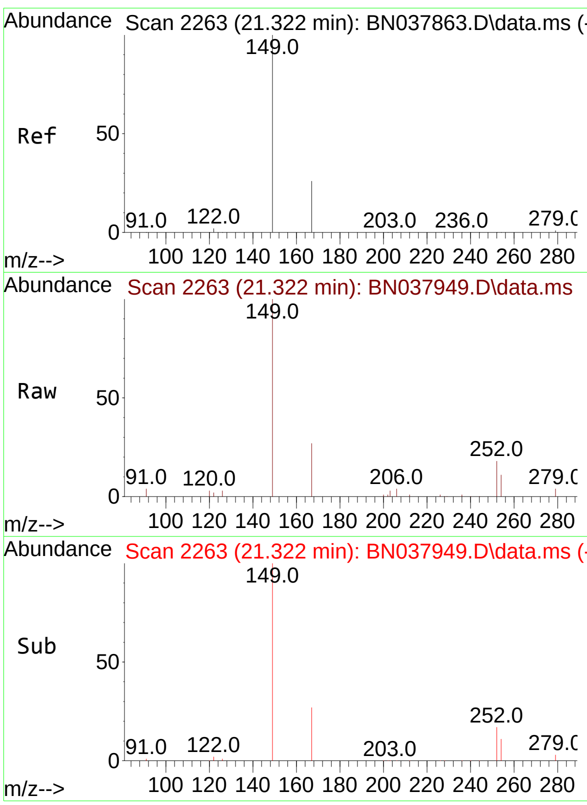


#33
Chrysene
Concen: 0.401 ng
RT: 21.429 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037949.D
Acq: 30 Sep 2025 17:09

Tgt Ion:228 Resp: 28965

Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.6	37.0
229	19.4	15.6	23.4

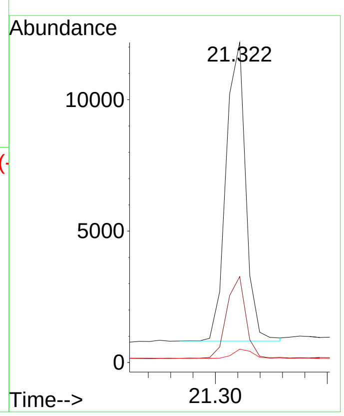




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.525 ng
RT: 21.322 min Scan# 2263
Delta R.T. 0.000 min
Lab File: BN037949.D
Acq: 30 Sep 2025 17:09

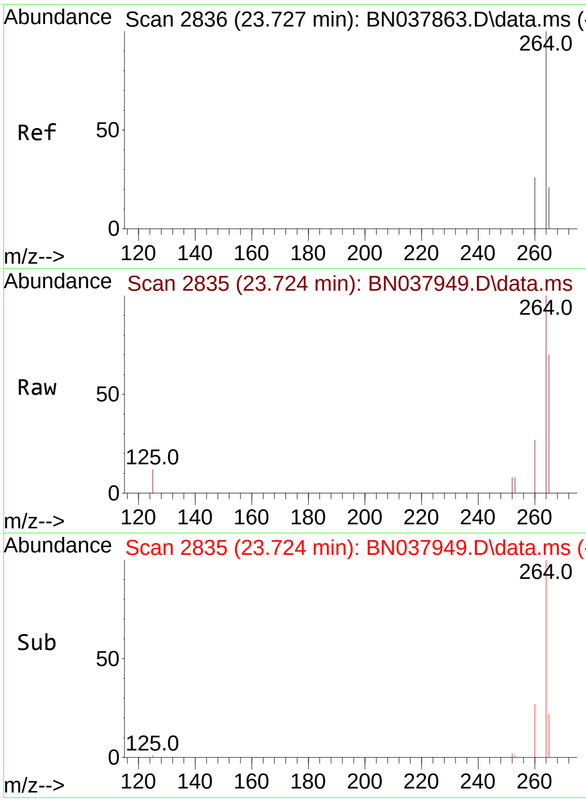
Tgt Ion:149 Resp: 13881

Ion	Ratio	Lower	Upper
149	100		
167	26.4	20.4	30.6
279	3.5	2.4	3.6



Instrument :
BNA_N
ClientSampleId :
RW10-MW01D-20250923MSD

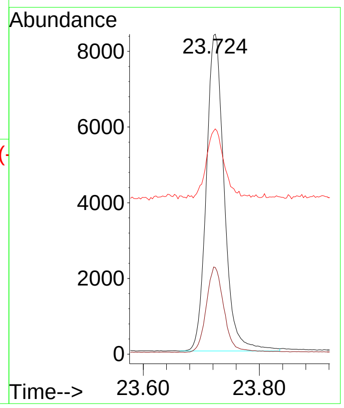
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

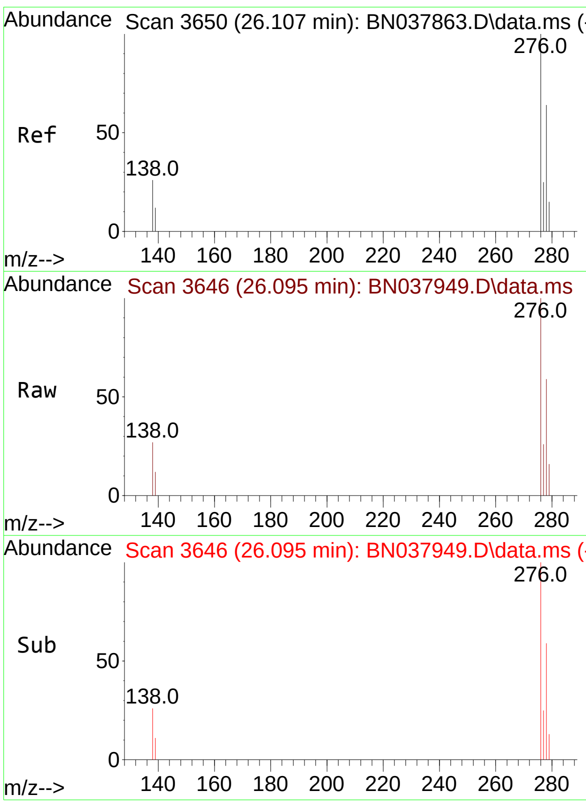


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.724 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN037949.D
Acq: 30 Sep 2025 17:09

Tgt Ion:264 Resp: 17953

Ion	Ratio	Lower	Upper
264	100		
260	27.1	21.5	32.3
265	70.4	53.8	80.6

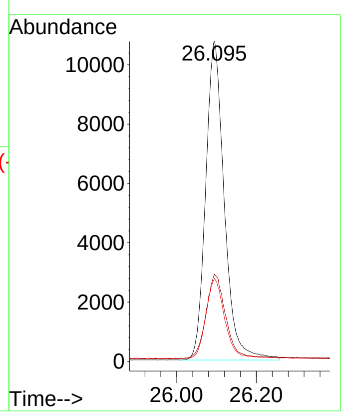




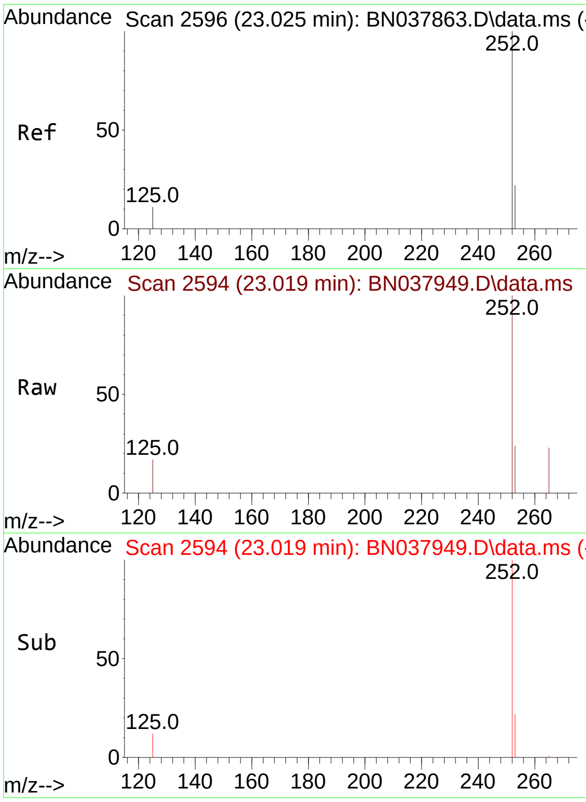
#36
Indeno(1,2,3-cd)pyrene
Concen: 0.426 ng
RT: 26.095 min Scan# 3646
Delta R.T. -0.012 min
Lab File: BN037949.D
Acq: 30 Sep 2025 17:09

Tgt Ion:276 Resp: 34965

Ion	Ratio	Lower	Upper
276	100		
138	27.4	21.4	32.0
277	25.1	20.3	30.5



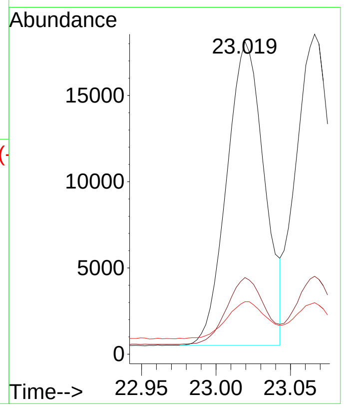
Instrument : BNA_N
ClientSampleId : RW10-MW01D-20250923MSD

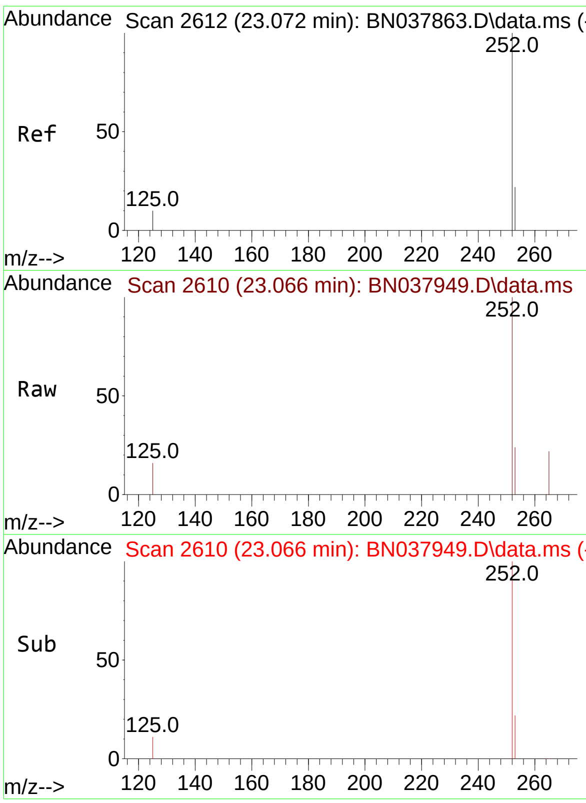


#37
Benzo(b)fluoranthene
Concen: 0.399 ng
RT: 23.019 min Scan# 2
Delta R.T. -0.006 min
Lab File: BN037949.D
Acq: 30 Sep 2025 17:09

Tgt Ion:252 Resp: 30897

Ion	Ratio	Lower	Upper
252	100		
253	24.5	19.4	29.0
125	16.8	13.0	19.4

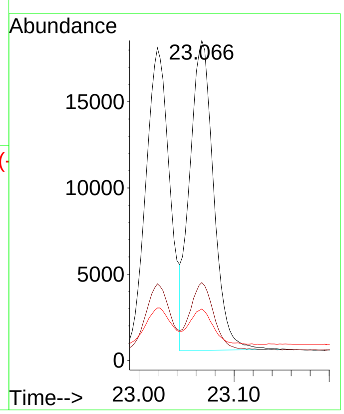




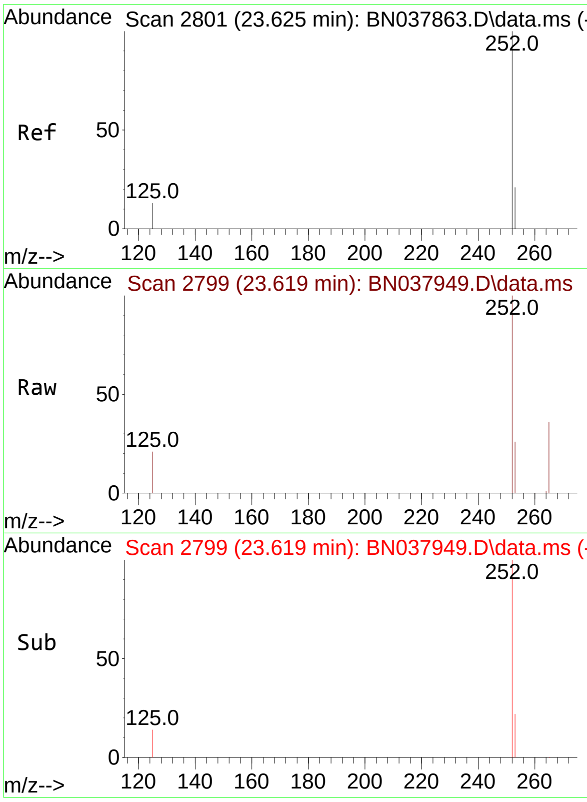
#38
Benzo(k)fluoranthene
Concen: 0.402 ng
RT: 23.066 min Scan# 2610
Delta R.T. -0.006 min
Lab File: BN037949.D
Acq: 30 Sep 2025 17:09

Tgt Ion:252 Resp: 31287

Ion	Ratio	Lower	Upper
252	100		
253	24.3	19.5	29.3
125	16.1	13.0	19.4



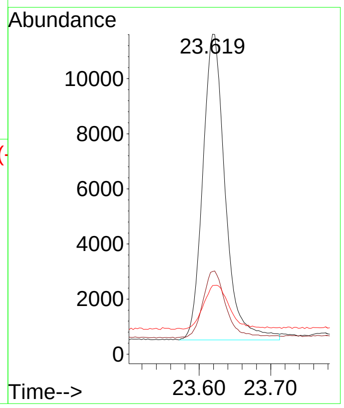
Instrument : BNA_N
ClientSampleId : RW10-MW01D-20250923MSD

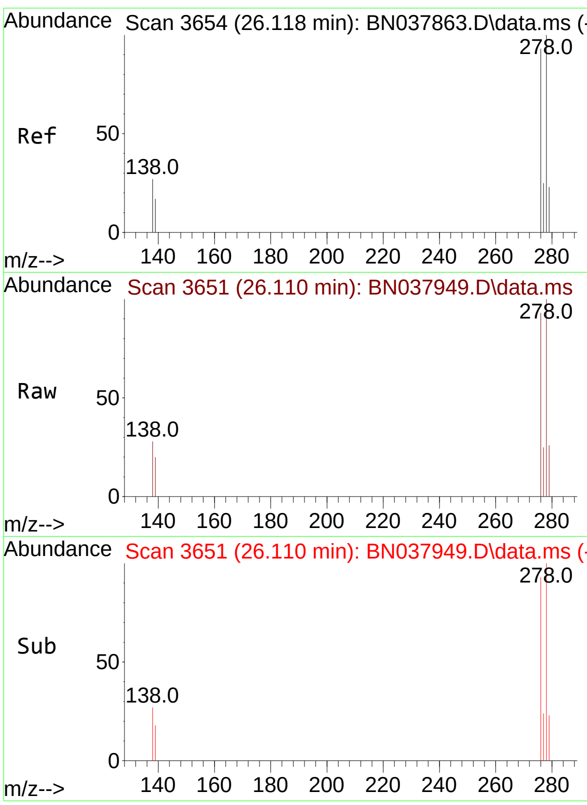


#39
Benzo(a)pyrene
Concen: 0.397 ng
RT: 23.619 min Scan# 2799
Delta R.T. -0.006 min
Lab File: BN037949.D
Acq: 30 Sep 2025 17:09

Tgt Ion:252 Resp: 24291

Ion	Ratio	Lower	Upper
252	100		
253	25.9	20.6	30.8
125	21.5	16.7	25.1

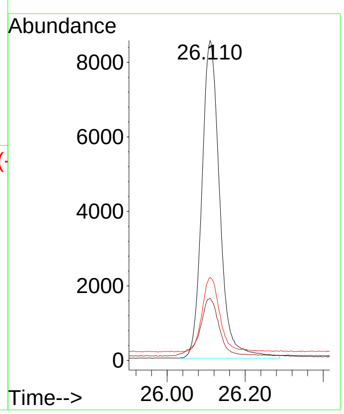


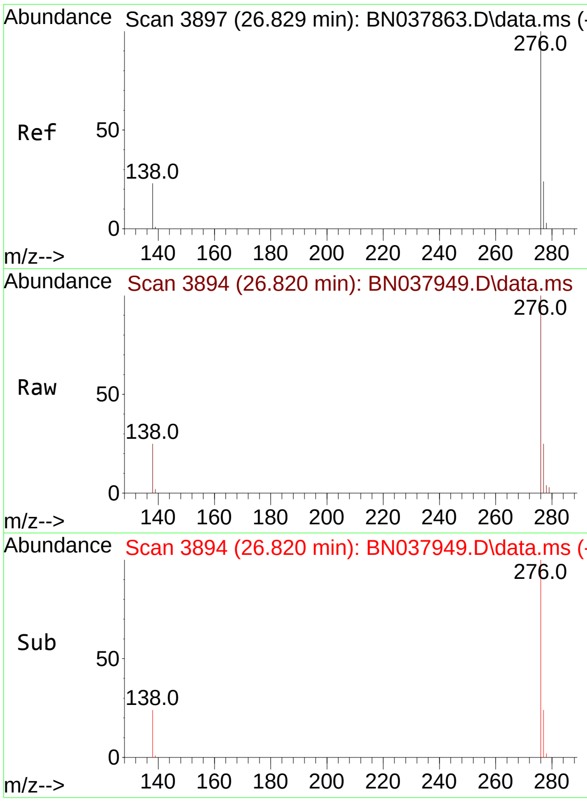


#40
Dibenzo(a,h)anthracene
Concen: 0.425 ng
RT: 26.110 min Scan# 3651
Delta R.T. -0.009 min
Lab File: BN037949.D
Acq: 30 Sep 2025 17:09

Tgt Ion:278 Resp: 27216

Ion	Ratio	Lower	Upper
278	100		
139	19.5	15.4	23.2
279	25.9	20.8	31.2



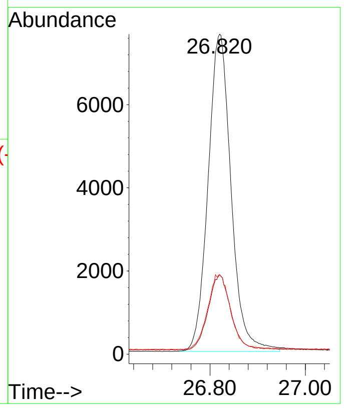


#41
Benzo(g,h,i)perylene
Concen: 0.380 ng
RT: 26.820 min Scan# 3
Delta R.T. -0.009 min
Lab File: BN037949.D
Acq: 30 Sep 2025 17:09

Instrument :
BNA_N
ClientSampleId :
RW10-MW01D-20250923MSD

Tgt Ion:276 Resp: 25572

Ion	Ratio	Lower	Upper
276	100		
277	24.9	20.2	30.4
138	24.8	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

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Manual Integration Report

Sequence:	BN093025	Instrument	BNA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

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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	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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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

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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 # 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-20250	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

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EXTRACTION LOGPAGE

PB169886

SOP ID: M3510C,3580A-Extraction SVOC-21

Clean Up SOP #: N/A

Extraction Start Date : 09/29/2025

Matrix : Water

Extraction Start Time : 08:43

Weigh By: N/A

Extraction By: RJ

Extraction End Date : 09/29/2025

Balance check: N/A

Filter By: RJ

Extraction End Time : 14:00

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	EP2646
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
9/29/25 14:05	RJ (Ext-lab)	RC/SVOC
	Preparation Group	Analysis Group

EXTRACTION LOGPAGE

PrepBatch ID : PB169886

Analytical Method: M3510C,3580A-Extraction SVOC-21

Concentration Date: 09/29/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By: AddedBy	Surr/Spike By: VerifiedBy	Final Vol. (mL)	JarID	Comments	Prep Pos
PB169886BL	SBLK886	SVOC-SIMGroup1	1000	6	ritesh	Evelyn	1			SEP-1
PB169886BS	SLCS886	SVOC-SIMGroup1	1000	6	ritesh	Evelyn	1			2
Q3193-01	RW10-MW01D-20250923	SVOC-SIMGroup1	1000	6	ritesh	Evelyn	1	C		3
Q3193-02	Q3193-01MS	SVOC-SIMGroup1	1000	6	ritesh	Evelyn	1	C		4
Q3193-03	Q3193-01MSD	SVOC-SIMGroup1	1000	6	ritesh	Evelyn	1	C		5
Q3193-04	TT149S1-20250922	SVOC-SIMGroup1	1000	6	ritesh	Evelyn	1	C		6
Q3193-05	RE137-20250922	SVOC-SIMGroup1	1000	6	ritesh	Evelyn	1	C		7
Q3193-06	RW4-20250922	SVOC-SIMGroup1	1000	6	ritesh	Evelyn	1	C		8
Q3193-07	GM38-RW3-MW1-20250922	SVOC-SIMGroup1	1000	6	ritesh	Evelyn	1	C		9
Q3193-08	TT20551-20250923	SVOC-SIMGroup1	970	6	ritesh	Evelyn	1	C		10
Q3193-09	RW10A-MW01I-20250923	SVOC-SIMGroup1	1000	6	ritesh	Evelyn	1	C		11
Q3193-10	RW8-MW01S-20250923	SVOC-SIMGroup1	1000	6	ritesh	Evelyn	1	C		12
Q3193-11	TT172S1-20250923	SVOC-SIMGroup1	980	6	ritesh	Evelyn	1	C		13
Q3193-12	DUP12-20250923	SVOC-SIMGroup1	1000	6	ritesh	Evelyn	1	C		14
Q3193-13	RW10A-MW01S-20250923	SVOC-SIMGroup1	980	6	ritesh	Evelyn	1	C		15
Q3193-14	RW8-MW01D1-20250923	SVOC-SIMGroup1	1000	6	ritesh	Evelyn	1	C		16
Q3193-15	DUP11-20250923	SVOC-SIMGroup1	1000	6	ritesh	Evelyn	1	C		SEP-1
Q3193-16	TT161S1-20250923	SVOC-SIMGroup1	970	6	ritesh	Evelyn	1	C		2
Q3193-17	RE103D1-20250923	SVOC-SIMGroup1	1000	6	ritesh	Evelyn	1	C		3
Q3193-18	MW203D-20250923	SVOC-SIMGroup1	1000	6	ritesh	Evelyn	1	C		4
Q3193-19	EB04-20250923	SVOC-SIMGroup1	1000	6	ritesh	Evelyn	1	C		5
Q3193-20	TT174I1-20250924	SVOC-SIMGroup1	1000	6	ritesh	Evelyn	1	C		6
Q3193-21	TT162S1-20250924	SVOC-SIMGroup1	980	6	ritesh	Evelyn	1	C		7
Q3193-22	RE120D3-20250924	SVOC-SIMGroup1	990	6	ritesh	Evelyn	1	C		8

RJ
9/29

* **Extracts relinquished on the same date as received.**

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2193M **WorkList ID :** 192134 **Department :** Extraction **Date :** 09-29-2025 08:38:41

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3193-01	RW10-MW01D-20250923	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	A12	09/23/2025	8270-Modified
Q3193-02	Q3193-01MS	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	A12	09/23/2025	8270-Modified
Q3193-03	Q3193-01MSD	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	A12	09/23/2025	8270-Modified
Q3193-04	TT149S1-20250922	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	A12	09/22/2025	8270-Modified
Q3193-05	RE137-20250922	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	A12	09/22/2025	8270-Modified
Q3193-06	RW4-20250922	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	A12	09/22/2025	8270-Modified
Q3193-07	GM38-RW3-MW1-20250922	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	A12	09/22/2025	8270-Modified
Q3193-08	TT20551-20250923	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	A12	09/23/2025	8270-Modified
Q3193-09	RW10A-MW01I-20250923	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	A12	09/23/2025	8270-Modified
Q3193-10	RW8-MW01S-20250923	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	A12	09/23/2025	8270-Modified
Q3193-11	TT172S1-20250923	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	A12	09/23/2025	8270-Modified
Q3193-12	DUP12-20250923	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	A12	09/23/2025	8270-Modified
Q3193-13	RW10A-MW01S-20250923	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	A12	09/23/2025	8270-Modified
Q3193-14	RW8-MW01D1-20250923	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	A12	09/23/2025	8270-Modified
Q3193-15	DUP11-20250923	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	A12	09/23/2025	8270-Modified
Q3193-16	TT161S1-20250923	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	A12	09/23/2025	8270-Modified
Q3193-17	RE103D1-20250923	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	A12	09/23/2025	8270-Modified
Q3193-18	MW203D-20250923	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	A12	09/23/2025	8270-Modified
Q3193-19	EB04-20250923	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	A12	09/23/2025	8270-Modified
Q3193-20	TT174I1-20250924	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	A12	09/24/2025	8270-Modified
Q3193-21	TT162S1-20250924	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	A12	09/24/2025	8270-Modified

Date/Time 9/29/25 8:38
Raw Sample Received by: RJ (extl-lab)
Raw Sample Relinquished by:

Date/Time 9/29/25 9:15
Raw Sample Received by:
Raw Sample Relinquished by: RJ (extl-lab)

17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2193M **WorkList ID :** 192134 **Department :** Extraction **Date :** 09-29-2025 08:38:41

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3193-22	RE120D3-20250924	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	A12	09/24/2025	8270-Modified

Date/Time 9/29/25 8:38
Raw Sample Received by: RJ (Ext-Lab)
Raw Sample Relinquished by: [signature]

Date/Time 9/29/25 9:15
Raw Sample Received by: [signature]
Raw Sample Relinquished by: RJ (Ext-Lab)

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

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Prep Standard - Chemical Standard Summary

Order ID : Q3193

Test : SVOC-SIMGroup1

Prepbatch ID : PB169886,

Sequence ID/Qc Batch ID: BN093025,

Standard ID :
EP2609,EP2610,EP2646,SP6830,SP6841,SP6842,SP6843,SP6844,SP6845,SP6846,SP6847,SP6848,SP6853,SP6854,SP6855,SP6870,SP6875,

Chemical ID :
1ul/100ul sample,E3657,E3875,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	EP2646	09/26/2025	01/28/2026	Evelyn Huang	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 09/26/2025

FROM 4000.00000gram of E3875 = Final Quantity: 4000.000 gram

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3339	8270 sim calibration stock 10ppm (CPI)	SP6841	06/25/2025	10/28/2025	Jagrut Upadhyay	None	None	Rahul Chavli 06/25/2025

FROM 0.03350ml of S10105 + 0.05000ml of S11496 + 0.12500ml of S11828 + 0.12500ml of S12115 + 0.25000ml of S12273 + 0.25000ml of S13058 + 24.16650ml of E3943 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3361	8270-SIM MDL-5PPM CALIBRATION SOLUTION	SP6842	06/25/2025	10/28/2025	Jagrut Upadhyay	None	None	Rahul Chavli 06/25/2025

FROM 0.50000ml of E3943 + 0.01000ml of SP6830 + 0.50000ml of SP6841 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3341	8270-SIM MDL-3.2PPM CALIBRATION SOLUTION	SP6843	06/25/2025	10/28/2025	Jagrut Upadhyay	None	None	Rahul Chavli 06/25/2025

FROM 0.68000ml of E3943 + 0.01000ml of SP6830 + 0.32000ml of SP6841 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3344	8270-SIM MDL-1.6PPM CALIBRATION SOLUTION	SP6844	06/25/2025	10/28/2025	Jagrut Upadhyay	None	None	Rahul Chavli 06/25/2025

FROM 0.84000ml of E3943 + 0.01000ml of SP6830 + 0.16000ml of SP6841 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3342	8270-SIM MDL-0.8PPM CALIBRATION SOLUTION	SP6845	06/25/2025	10/28/2025	Jagrut Upadhyay	None	None	Rahul Chavli 06/25/2025

FROM 0.92000ml of E3943 + 0.01000ml of SP6830 + 0.08000ml of SP6841 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3343	8270-SIM MDL-0.4PPM CALIBRATION SOLUTION	SP6846	06/25/2025	10/28/2025	Jagrut Upadhyay	None	None	Rahul Chavli 06/25/2025

FROM 0.96000ml of E3943 + 0.01000ml of SP6830 + 0.04000ml of SP6841 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3345	8270-SIM MDL-0.2PPM CALIBRATION SOLUTION	SP6847	06/25/2025	10/28/2025	Jagrut Upadhyay	None	None	Rahul Chavli 06/25/2025

FROM 0.50000ml of E3943 + 0.01000ml of SP6830 + 0.50000ml of SP6846 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3346	8270-SIM MDL-0.1PPM CALIBRATION SOLUTION	SP6848	06/25/2025	10/28/2025	Jagrut Upadhyay	None	None	Rahul Chavli 06/25/2025

FROM 0.75000ml of E3943 + 0.01000ml of SP6830 + 0.25000ml of SP6846 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3355	8270-SIM MDL-3.2PPM CALIBRATION STOCK SOL- 2ND SOURCE	SP6853	07/02/2025	09/30/2025	Jagrut Upadhyay	None	None	Rahul Chavli 07/08/2025

FROM 0.00630ml of S12197 + 0.01280ml of S12220 + 0.03200ml of S11073 + 0.03200ml of S11828 + 0.06400ml of S12499 + 0.06400ml of S12552 + 0.06400ml of S12986 + 19.72490ml of E3943 = Final Quantity: 20.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3356	8270-SIM MDL-0.4PPM CALIBRATION SOL ICV-2ND SOURCE	SP6854	07/02/2025	09/30/2025	Jagrut Upadhyay	None	None	Rahul Chavli 07/16/2025

FROM 0.87500ml of E3943 + 0.01000ml of SP6830 + 0.12500ml of SP6853 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3492	8270-SIM-Spike 0.4 PPM	SP6855	07/30/2025	09/30/2025	Rahul Chavli	None	None	Jagrut Upadhyay 08/05/2025

FROM 0.00080ml of S11652 + 0.01000ml of S11807 + 0.02000ml of S12498 + 0.02000ml of S12552 + 0.02000ml of S12986 + 49.92920ml of E3932 = Final Quantity: 50.000 ml

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

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3895	50 ug/ml DFTPP 8270E	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-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

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

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	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

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

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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	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

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

Alliance TECHNICAL GROUP

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

CHEMICAL RECEIPT LOG BOOK

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

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

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

CHEMICAL RECEIPT LOG BOOK

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

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

CPI INTERNATIONAL

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 gravimetriclly.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ilac-MRA

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 02/08/23 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)

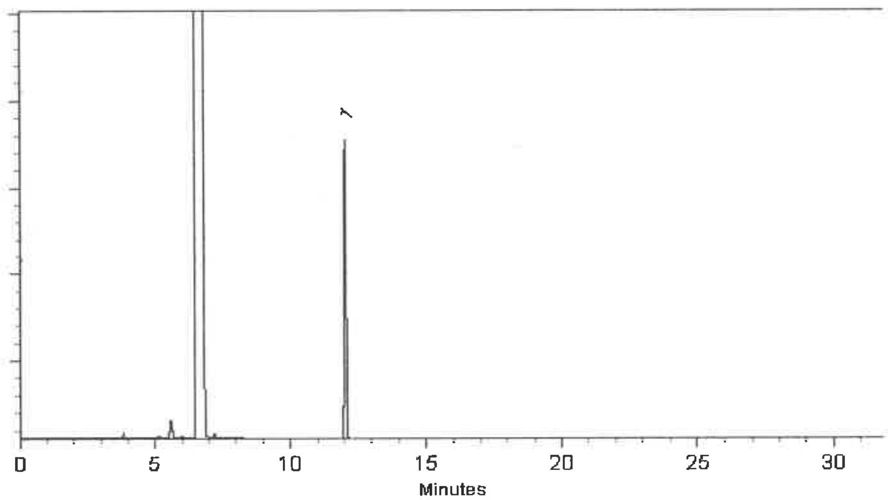
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

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 3658	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

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

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

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
Avantor Performance Materials LLC

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker

Material No.: 9266-A4
Batch No.: 25A2862010
Manufactured Date: 2024-12-18
Expiration Date:2026-03-19
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	2
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	99.9 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.3 ppm
Titrable Acid (µeq/g)	<= 0.3	<0.1
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3942

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials LLC

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ J.T.Baker

Material No.: 9266-A4
Batch No.: 25A2862010
Manufactured Date: 2024-12-18
Expiration Date:2026-03-19
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	2
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	99.9 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.3 ppm
Titrable Acid (µeq/g)	<= 0.3	<0.1
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3942

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials LLC

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

avantor J.T.Baker

M6157
AB

Material No.: 9673-33
Batch No.: 2411262013
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.: 2411262013

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

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.17

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:__________

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110094-02	506889	≤ -10 °C	Methylene Chloride	7/25/2028	CLP Base/Neutral Surrogate Solution, 5,000 mg/L, 1 ml

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2-dichlorobenzene-d_4	2199-69-1	99.7	247.29.3P	5035 ± 28.02
2-fluorobiphenyl	321-60-8	99.69	8.286.1.1P	4999 ± 103.66
nitrobenzene-d5	4165-60-0	99.67	7.9.3P	4988 ± 27.32
p-terphenyl-d14	1718-51-0	99.3	9.120.8P	5005 ± 27.85

511494 to 511498 } Y.P. 08/11/2023

*Not a certified value

Certified By: Thomas C Tipton

Clint Tipton
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

RESTEK

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ilac-MRA
ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

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ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555872 **Lot No.:** A0201728

S11649
↓
S11658

Y.P.
11/13/23

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

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 ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA 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

S11795 ↓ S11808 RC/ 11/30/23

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

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.)

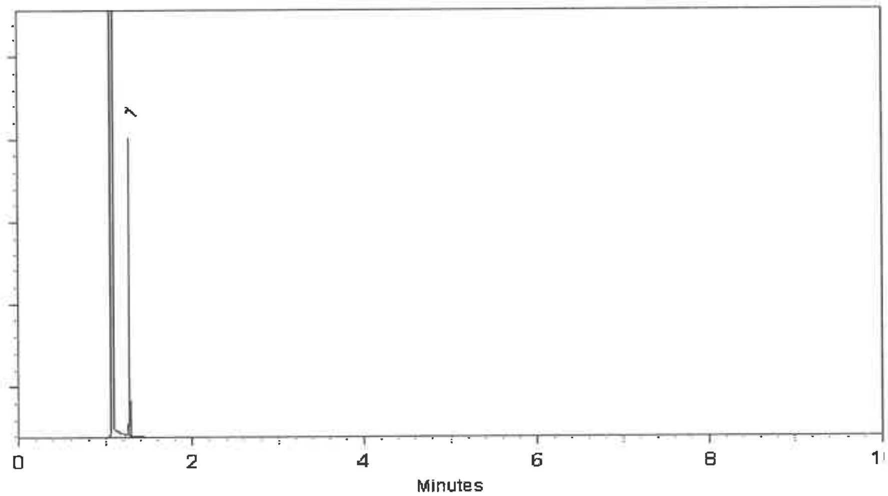
Inj. Temp:
250°C

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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chromatographic plus

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 33913 **Lot No.:** A0201976

Description : SOM01.0 SIM Analysis Standard

SOM01.0 SIM Analysis Standard 2000µg/mL, Methylene chloride, 1mL /ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2029 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S11828 ↓ S11832

RC/ 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Methylnaphthalene-d10	7297-45-2	EF-135	98%	2,015.9 µg/mL	+/- 90.8098
2	Fluoranthene-d10	93951-69-0	PR-32557	99%	2,020.0 µg/mL	+/- 90.9963

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

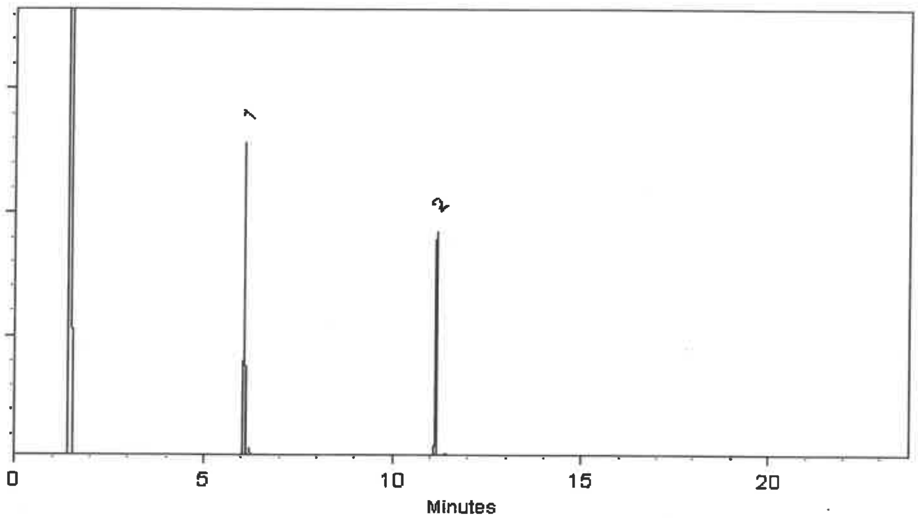
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Dakota Parson - Operations Technician I   **Date Mixed:** 13-Sep-2023   **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC   **Date Passed:** 28-Sep-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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by TUV USA to ISO 9001:2015

Date Received:

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Rev 0 Page 1 of 1

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

512112
↓
512116
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

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

S12187
↓
S12206

RC/
03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

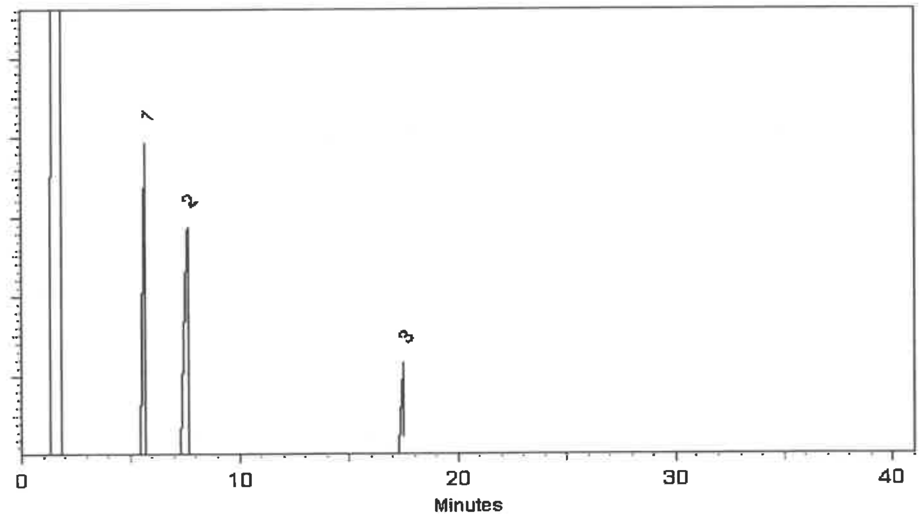
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024

Balance Serial # 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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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. : 31086 **Lot No.:** A0206381

S12207 → S12221 RC/ 03/18/24

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

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.)

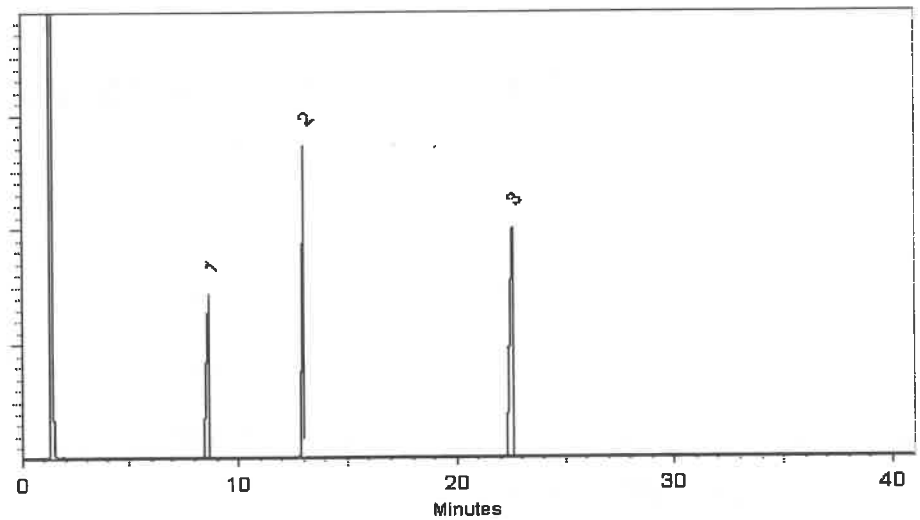
Inj. Temp:
250°C

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

512270 → 512274 } 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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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.

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

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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. : 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
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S12579

RC
8/2/24

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

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ilac-MRA — 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. : 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

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.)

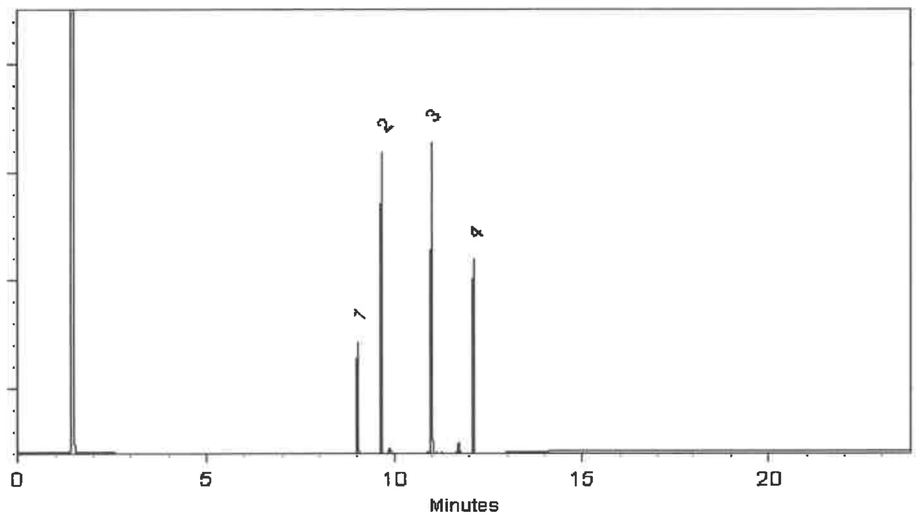
Inj. Temp:
250°C

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

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

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

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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. : 31850 **Lot No.:** A0219438

S12963 → S12992 AC 12/17/24

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

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/-	36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/-	36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/-	36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/-	36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/-	36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/-	36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/-	36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/-	36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/-	36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/-	36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/-	36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/-	36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/-	36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/-	36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/-	36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/-	36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/-	36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/-	36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/-	36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/-	36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/-	36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/-	36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/-	36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/-	36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/-	36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/-	36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/-	36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/-	36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/-	36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/-	36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/-	36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/-	36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/-	36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/-	36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/-	36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/-	36.4302

54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/-	36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/-	36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/-	36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/-	36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/-	36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/-	36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/-	36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/-	36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/-	36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/-	36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/-	36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/-	36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/-	36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/-	36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/-	36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/-	36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/-	36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/-	36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/-	36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/-	36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/-	36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/-	36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/-	36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride

CAS # 75-09-2

Purity 99%

Tech Tips:

N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: ____________

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110816-01	531243	≤ -10 °C	Methylene Chloride	1/2/2030	Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
atrazine	1912-24-9	99.5	337.7.4P	997 ± 5.81
benzidine	92-87-5	99.9	124.18.6.2P	993.8 ± 5.78
caprolactam	105-60-2	99.9	271.1.6P	999 ± 5.82

S13057
↓
S13061

AC
1/16/25

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: Melissa Workoff
Melissa Workoff
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

Alliance
TECHNICAL GROUP

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ALLIANCE PROJECT NO. Q3193
QUOTE NO.
COC Number 2045899

CLIENT INFORMATION	CLIENT PROJECT INFORMATION	CLIENT BILLING INFORMATION
REPORT TO BE SENT TO: COMPANY: Resolution Consultants	PROJECT NAME: NWIRP Bethpage	BILL TO: Eleanor Vivaudou PO#:
ADDRESS:	PROJECT NO.: 60731872 LOCATION: Bethpage, NY	ADDRESS: 27 Ellis Place
CITY STATE: ZIP:	PROJECT MANAGER: Eleanor Vivaudou	CITY Ossining STATE: NY ZIP: 10563
ATTENTION: Eleanor Vivaudou	e-mail: eleanor.vivaudou@aecom.com	ATTENTION: PHONE:
PHONE: FAX:	PHONE: FAX:	

DATA TURNAROUND INFORMATION

FAX (RUSH) DAYS*
HARDCOPY (DATA PACKAGE): standard DAYS*
EDD: standard DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

- ❑ Level 1 (Results Only)
- ❑ Level 2 (Results + QC)
- ❑ Level 3 (Results + QC + Raw Data)
- ❑ Level 4 (QC + Full Raw Data)
- ❑ NJ Reduced
- ❑ US EPA CLP
- ❑ NYS ASP A
- ❑ NYS ASP B
- ❑ Other
- ❑ EDD FORMAT

ANALYSIS

1 VOCs 8260; 2 1,4 dioxane 8270 sim; 3; 4; 5; 6; 7; 8; 9

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	COMP	GRAB	DATE	TIME	# OF BOTTLES	1 (A)	2 (F)	3	4	5	6	7	8	9	COMMENTS ← Specify Preservatives A-HCl B-HN03 C-H2SO4 D-NaOH E-ICE F-OTHER
1.	RW10-MW01D-20250923	GW		X	9/23	1215	9	6	3								MS/MSD
2.	TT14951-20250922	GW		X	9/22	1140	3	2	1								
3.	RE137-20250922	GW		X	9/22	0855	3	2	1								
4.	RW4-20250922	GW		X	9/22	0815	3	2	1								
5.	GM38-RW3-MW1-20250922	GW		X	9/22	1015	3	2	1								
6.	TT20551-20250923	GW		X	9/23	1050	3	2	1								
7.	RW10A-MW01I-20250923	GW		X	9/23	1535	3	2	1								
8.	RW8-MW01S-20250923	GW		X	9/23	1215	3	2	1								
9.	TT17251-20250923	GW		X	9/23	0930	3	2	1								
10.	DUP12-20250923	GW		X	9/23	1100	3	2	1								

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. Josh Lawton	1500 9/24/2025	1. 1500 9-24-25
2.		2.
3.	1730 9-24-25	3.

Conditions of bottles or coolers at receipt: ❑ COMPLIANT ❑ NON COMPLIANT ❑ COOLER TEMP 2.5 °C
Comments:

Page 1 of 4

CLIENT: ❑ Hand Delivered ❑ Other

Shipment Complete ❑ YES ❑ NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO. Q3193
QUOTE NO.
COC Number 2045900

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.

PRESERVATIVES

COMMENTS
← Specify Preservatives
A-HCl D-NaOH
B-HNO3 E-ICE
C-H2SO4 F-OTHER

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	1 (A)	2 (F)	3	4	5	6	7	8	9	COMMENTS
1.	RW10A-MW015-20250923	GW		X	9/23	1515	3	2	1								
2.	RW8-MW01D1-20250923	GW		X	9/23	1047	3	2	1								
3.	DUP11-20250923	GW		X	9/23	1305	3	2	1								
4.	TT161S1-20250923	GW		X	9/23	1245	3	2	1								
5.	RE103D1-20250923	GW		X	9/23	1015	3	2	1								
6.	MW203D-20250923	GW		X	9/23	1020	3	2	1								
7.	EB04-20250923	~~GW~~ AQ		X	9/23	1315	3	2	1								Equipment Blank
8.	TT174I1-20250924	GW		X	9/24	1020	3	2	1								
9.	TT162S1-20250924	GW		X	9/24	1125	3	2	1								
10.	RE120D3-20250924	GW		X	9/24	0935	3	2	1								

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. Josh Lawton	9/24/2025 1500	1. 9-24-25 1500
2.		2.
3.	9-24-25 1730	3.

Conditions of bottles or coolers at receipt: ❑ COMPLIANT ❑ NON COMPLIANT ❑ COOLER TEMP 2.5 °C
Comments:

Page 2 of 4

CLIENT: ❑ Hand Delivered ❑ Other

Shipment Complete ❑ YES ❑ NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

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 : Q3193 AECO15
Client Name : AECOM Technical Services
Client Contact : Eleanor Vivadou
Invoice Name : AECOM Technical Services
Invoice Contact : Eleanor Vivadou

Order Date : 9/25/2025 9:02:00 AM
Project Name : NAVFAC NWIRP Bethpage
Receive DateTime : 9/24/2025 5:30:00 PM
Purchase Order :

Project Mgr : Deepak
Report Type : NYS ASP B
EDD Type : EQUIS
Hard Copy Date :
Date Signoff : 9/25/2025 11:57:31 AM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD		FAX DATE	DUE DATES
Q3193-01	RW10-MW01D-20250923	Water	09/23/2025	12:15						
					VOCMS Group1		8260-Low	10 Bus. Days		
Q3193-02	Q3193-01MS	Water	09/23/2025	12:15						
					VOCMS Group1		8260-Low	10 Bus. Days		
Q3193-03	Q3193-01MSD	Water	09/23/2025	12:15						
					VOCMS Group1		8260-Low	10 Bus. Days		
Q3193-04	TT149S1-20250922	Water	09/22/2025	11:40						
					VOCMS Group1		8260-Low	10 Bus. Days		
Q3193-05	RE137-20250922	Water	09/22/2025	08:55						
					VOCMS Group1		8260-Low	10 Bus. Days		
Q3193-06	RW4-20250922	Water	09/22/2025	08:15						
					VOCMS Group1		8260-Low	10 Bus. Days		
Q3193-07	GM38-RW3-MW1-20250922	Water	09/22/2025	10:15						
					VOCMS Group1		8260-Low	10 Bus. Days		
Q3193-08	TT20551-20250923	Water	09/23/2025	10:50						

Alliance Technical Group

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Fax : 908 789 8922

LOGIN REPORT/SAMPLE TRANSFER

Order ID :	Q3193 AECO15	**Order Date :**	9/25/2025 9:02:00 AM	**Project Mgr :**	Deepak
Client Name :	AECOM Technical Service:	**Project Name :**	NAVFAC NWIRP Bethpage	**Report Type :**	NYS ASP B
Client Contact :	Eleanor Vivadou	**Receive DateTime :**	9/24/2025 5:30:00 PM	**EDD Type :**	EQUIS
Invoice Name :	AECOM Technical Service:	**Purchase Order :**		**Hard Copy Date :**	
Invoice Contact :	Eleanor Vivadou			**Date Signoff :**	9/25/2025 11:57:31 AM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
					VOCMS Group1		8260-Low	10 Bus. Days	
Q3193-09	RW10A-MW01I-20250923	Water	09/23/2025	15:35					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q3193-10	RW8-MW01S-20250923	Water	09/23/2025	12:15					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q3193-11	TT172S1-20250923	Water	09/23/2025	09:30					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q3193-12	DUP12-20250923	Water	09/23/2025	11:00					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q3193-13	RW10A-MW01S-20250923	Water	09/23/2025	15:15					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q3193-14	RW8-MW01D1-20250923	Water	09/23/2025	10:47					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q3193-15	DUP11-20250923	Water	09/23/2025	13:05					
					VOCMS Group1		8260-Low	10 Bus. Days	

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LOGIN REPORT/SAMPLE TRANSFER

Order ID :	Q3193 AECO15	**Order Date :**	9/25/2025 9:02:00 AM	**Project Mgr :**	Deepak
Client Name :	AECOM Technical Service:	**Project Name :**	NAVFAC NWIRP Bethpage	**Report Type :**	NYS ASP B
Client Contact :	Eleanor Vivadou	**Receive DateTime :**	9/24/2025 5:30:00 PM	**EDD Type :**	EQUIS
Invoice Name :	AECOM Technical Service:	**Purchase Order :**		**Hard Copy Date :**	
Invoice Contact :	Eleanor Vivadou			**Date Signoff :**	9/25/2025 11:57:31 AM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3193-16	TT161S1-20250923	Water	09/23/2025	12:45					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q3193-17	RE103D1-20250923	Water	09/23/2025	10:15					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q3193-18	MW203D-20250923	Water	09/23/2025	10:20					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q3193-19	EB04-20250923	Water	09/23/2025	13:15					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q3193-20	TT174I1-20250924	Water	09/24/2025	10:20					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q3193-21	TT162S1-20250924	Water	09/24/2025	11:25					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q3193-22	RE120D3-20250924	Water	09/24/2025	09:35					
					VOCMS Group1		8260-Low	10 Bus. Days	

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID :	Q3193 AECO15	**Order Date :**	9/25/2025 9:02:00 AM	**Project Mgr :**	
Client Name :	AECOM Technical Services	**Project Name :**	NAVFAC NWIRP Bethpage	**Report Type :**	~~Results Only~~ NYS B
Client Contact :	Eleanor Vivadou	**Receive DateTime :**	9/24/2025 5:30:00 PM	**EDD Type :**	EQUIS
Invoice Name :	AECOM Technical Services	**Purchase Order :**		**Hard Copy Date :**	
Invoice Contact :	Eleanor Vivadou			**Date Signoff :**	

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES

Relinquished By :

Date / Time : 9/25/25 1135

Received By : Sam

Date / Time : 09/25/25 11:35 Reg #4

Storage Area : VOA Refridgerator Room