

**DATA PACKAGE
SEMI-VOLATILE ORGANICS**

PROJECT NAME : NWIRP BETHPAGE 112G08005-WE13

**TETRA TECH NUS, INC.
661 Andersen Drive
Suite 200
Pittsburgh, PA - 15220-2745
Phone No: 412-921-7090**

**ORDER ID : Q3248
ATTENTION : Ernie Wu**



Laboratory Certification ID # 20012



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Cover Page

Order ID : Q3248

Project ID : NWIRP Bethpage 112G08005-WE13

Client : Tetra Tech NUS, Inc.

Lab Sample Number

Q3248-01
Q3248-02
Q3248-03
Q3248-04
Q3248-05
Q3248-06
Q3248-07
Q3248-08
Q3248-09
Q3248-10

Client Sample Number

BP-VPB-184-TB-20250930
BP-VPB-184-GW-560-562
BP-VPB-184-GW-580-582
BP-VPB-184-GW-600-602
BP-VPB-184-GW-620-622
BP-VPB-184-GW-640-642
BP-VPB-184-GW-660-662
BP-VPB-184-GW-685-687
BP-VPB-184-GW-685-687MS
BP-VPB-184-GW-685-687MSD

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: 10/9/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

Tetra Tech NUS, Inc.

Project Name: NWIRP Bethpage 112G08005-WE13

Project Manager : Ernie Wu

Order ID # Q3248

Test Name: SVOC-SIMGroup1

A. Number of Samples and Date of Receipt:

10 Water samples were received on 10/02/2025.

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,
PB169992BS [2-Fluorobiphenyl - 112%],
PB169992BSD [Terphenyl-d14 - 133%],
BP-VPB-184-GW-600-602 [Terphenyl-d14 - 189%],
BP-VPB-184-GW-620-622 [Terphenyl-d14 - 149%] and
BP-VPB-184-GW-660-662 [Terphenyl-d14 - 188%]. 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 RPD were met for all analysis.

The Blank Spike met requirements for all compounds.

The Blank Spike Duplicate met requirements for all compounds.

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

The Initial calibration met the requirements.

The Continuous Calibration File ID BN038041.D met the requirements except for 2,4,6-Tribromophenol. Failed surrogate is not associated with DOD, Therefor no further corrective action was taken.



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The Tuning criteria met requirements.

E. Additional Comments:

The laboratory certifies that the all-electronic diskette deliverable exactly match the data summary forms (i.e. Form Is)."

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

The not QT review data is reported in the Miscellaneous.

F. Manual Integration Comments:

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

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

Signature_____

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following “ Results Qualifiers” are used:

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

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

ORDER ID: Q3248

MATRIX: Water

METHOD: 8270-Modified/3510

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2.	GC/MS Tuning Specifications. DFTPP Meet Criteria. (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4.	GC/MS Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5.	GC/MS Calibration Requirements.		✓	
	The Initial Calibration met the requirements. The Continuous Calibration File ID BN038041.D met the requirements except for 2,4,6-Tribromophenol. Failed surrogate is not associated with DOD, Therefor no further corrective action was taken.			
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 PB169992BS [2- Fluorobiphenyl - 112%], PB169992BSD [Terphenyl-d14 - 133%], BP-VPB-184-GW- 600-602 [Terphenyl-d14 - 189%], BP-VPB-184-GW-620-622 [Terphenyl-d14 - 149%] and BP-VPB-184-GW-660-662 [Terphenyl-d14 - 188%]. Failed surrogate is not associated with DOD, Therefor no further corrective action was taken.			

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

(CONTINUED)

		NA	NO	YES
8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria			✓
	If not met, list those compounds and their recoveries which fall outside the acceptable range.			
	The Blank Spike met requirements for all compounds.			
	The Blank Spike Duplicate met requirements for all compounds.			
9.	Internal Standard Area/Retention Time Shift Meet Criteria			✓
	Comments:			
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 laboratory certifies that the all-electronic diskette deliverable exactly match the data summary forms (i.e. Form Is)."

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

The not QT review data is reported in the Miscellaneous.

QA REVIEW

Date

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q3248

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 Custody

✓

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: 10/09/2025

LAB CHRONICLE

OrderID:	Q3248	OrderDate:	9/30/2025 11:27:00 AM
Client:	Tetra Tech NUS, Inc.	Project:	NWIRP Bethpage 112G08005-WE13
Contact:	Ernie Wu	Location:	D31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3248-04	BP-VPB-184-GW-600-602	Water			09/30/25			10/02/25
			SVOC-SIMGroup1	8270-Modified		10/06/25	10/07/25	
Q3248-05	BP-VPB-184-GW-620-622	Water			10/01/25			10/02/25
			SVOC-SIMGroup1	8270-Modified		10/06/25	10/07/25	
Q3248-07	BP-VPB-184-GW-660-662	Water			10/01/25			10/02/25
			SVOC-SIMGroup1	8270-Modified		10/06/25	10/07/25	

Hit Summary Sheet SW-846

SDG No.: Q3248

Client: Tetra Tech NUS, Inc.

Sample ID	Client ID	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : BP-VPB-184-GW-600-602								
Q3248-04	BP-VPB-184-GW-600-602 WATER	1,4-Dioxane	0.550		0.08	0.24	0.24	ug/L
		Total Svoc :			0.55			
		Total Concentration:			0.55			
Client ID : BP-VPB-184-GW-660-662								
Q3248-07	BP-VPB-184-GW-660-662 WATER	1,4-Dioxane	0.160	J	0.08	0.23	0.23	ug/L
		Total Svoc :			0.16			
		Total Concentration:			0.16			



QC SUMMARY

- 1
- 2
- 3
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- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
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- 17
- 18

Surrogate Summary

SW-846

SDG No.: Q3248

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB169992BL	PB169992BL	2-Methylnaphthalene-d10	0.4	0.32	79		30	150
		Fluoranthene-d10	0.4	0.29	72		30	150
		Nitrobenzene-d5	0.4	0.41	101		55	111
		2-Fluorobiphenyl	0.4	0.40	100		53	106
		Terphenyl-d14	0.4	0.51	127		58	132
PB169992BS	PB169992BS	2-Methylnaphthalene-d10	0.4	0.36	90		30	150
		Fluoranthene-d10	0.4	0.28	70		30	150
		Nitrobenzene-d5	0.4	0.43	107		55	111
		2-Fluorobiphenyl	0.4	0.45	112	*	53	106
		Terphenyl-d14	0.4	0.53	132		58	132
PB169992BSD	PB169992BSD	2-Methylnaphthalene-d10	0.4	0.35	88		30	150
		Fluoranthene-d10	0.4	0.30	75		30	150
		Nitrobenzene-d5	0.4	0.42	105		55	111
		2-Fluorobiphenyl	0.4	0.42	104		53	106
		Terphenyl-d14	0.4	0.53	133	*	58	132
Q3248-04	BP-VPB-184-GW-600-602	2-Methylnaphthalene-d10	0.4	0.36	91		30	150
		Fluoranthene-d10	0.4	0.39	98		30	150
		Nitrobenzene-d5	0.4	0.36	91		55	111
		2-Fluorobiphenyl	0.4	0.36	90		53	106
		Terphenyl-d14	0.4	0.76	189	*	58	132
Q3248-05	BP-VPB-184-GW-620-622	2-Methylnaphthalene-d10	0.4	0.34	84		30	150
		Fluoranthene-d10	0.4	0.38	94		30	150
		Nitrobenzene-d5	0.4	0.36	89		55	111
		2-Fluorobiphenyl	0.4	0.35	88		53	106
		Terphenyl-d14	0.4	0.60	149	*	58	132
Q3248-07	BP-VPB-184-GW-660-662	2-Methylnaphthalene-d10	0.4	0.34	86		30	150
		Fluoranthene-d10	0.4	0.38	95		30	150
		Nitrobenzene-d5	0.4	0.36	89		55	111
		2-Fluorobiphenyl	0.4	0.37	93		53	106
		Terphenyl-d14	0.4	0.75	188	*	58	132

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3248

Analytical Method: 8270-Modified

Client: Tetra Tech NUS, Inc.

DataFile: BN038043.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Low	Limits	
								Qual		High	RPD
PB169992BS	1,4-Dioxane	0.4	0.35	ug/L	88				70	130	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3248

Analytical Method: 8270-Modified

Client: Tetra Tech NUS, Inc.

DataFile: BN038044.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB169992BSD	1,4-Dioxane	0.4	0.35	ug/L	88	0			70	130		20

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID

PB169992BL

Lab Name: Alliance

Contract: TETR06

Lab Code: ACE

SDG NO.: Q3248

Lab File ID: BN038042.D

Lab Sample ID: PB169992BL

Instrument ID: BNA_N

Date Extracted: 10/06/2025

Matrix: (soil/water) Water

Date Analyzed: 10/07/2025

Level: (low/med) LOW

Time Analyzed: 12:39

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB169992BS	PB169992BS	BN038043.D	10/07/2025
PB169992BSD	PB169992BSD	BN038044.D	10/07/2025
BP-VPB-184-GW-600-602	Q3248-04	BN038045.D	10/07/2025
BP-VPB-184-GW-620-622	Q3248-05	BN038046.D	10/07/2025
BP-VPB-184-GW-660-662	Q3248-07	BN038047.D	10/07/2025

COMMENTS: _____



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Fax : 908 789 8922

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BN037860.D
Instrument ID: BNA_N

Contract: TETR06
SDG NO.: Q3248
DFTPP Injection Date: 09/23/2025
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
Lab Code: ACE
Lab File ID: BN038040.D
Instrument ID: BNA_N

Contract: TETR06
SDG NO.: Q3248
DFTPP Injection Date: 10/07/2025
DFTPP Injection Time: 10:44

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.7 (1.7) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (0.5) 1
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	76.8
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.3 (18.9) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC0.4	SSTDCCC0.4	BN038041.D	10/07/2025	12:03
PB169992BL	PB169992BL	BN038042.D	10/07/2025	12:39
PB169992BS	PB169992BS	BN038043.D	10/07/2025	13:16
PB169992BSD	PB169992BSD	BN038044.D	10/07/2025	13:52
BP-VPB-184-GW-600-602	Q3248-04	BN038045.D	10/07/2025	14:28
BP-VPB-184-GW-620-622	Q3248-05	BN038046.D	10/07/2025	15:05
BP-VPB-184-GW-660-662	Q3248-07	BN038047.D	10/07/2025	15:41
SSTDCCC0.4EC	SSTDCCC0.4	BN038058.D	10/07/2025	22:22

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3248

Client ID : SSTDCCC0.4

Date Analyzed: 10/07/2025

Lab File ID: BN038041.D

Time Analyzed: 12:03

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	8417	7.804	24486	10.61	13140	14.46
UPPER LIMIT	16834	8.304	48972	11.105	26280	14.962
LOWER LIMIT	4208.5	7.304	12243	10.105	6570	13.962
EPA SAMPLE NO.						
01 PB169992BL	8228	7.80	21819	10.61	10027	14.46
02 PB169992BS	8722	7.80	23265	10.61	10633	14.45
03 PB169992BSD	8275	7.80	22197	10.61	10577	14.45
04 BP-VPB-184-GW-600-602	7966	7.80	23022	10.61	12487	14.45
05 BP-VPB-184-GW-620-622	8674	7.80	24704	10.61	12221	14.45
06 BP-VPB-184-GW-660-662	7914	7.80	22866	10.61	12377	14.45

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3248

Client ID: SSTDCCC0.4

Date Analyzed: 10/07/2025

Lab File ID: BN038041.D

Time Analyzed: 12:03

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	24897	17.21	15245	21.393	11156	23.709
UPPER LIMIT	49794	17.71	30490	21.893	22312	24.209
LOWER LIMIT	12448.5	16.71	7622.5	20.893	5578	23.209
EPA SAMPLE NO.						
01 PB169992BL	17932	17.21	9516	21.39	9042	23.71
02 PB169992BS	17722	17.21	8733	21.39	8119	23.71
03 PB169992BSD	20035	17.20	10845	21.39	8550	23.71
04 BP-VPB-184-GW-600-602	25250	17.20	17199	21.39	12217	23.71
05 BP-VPB-184-GW-620-622	20976	17.20	13980	21.39	12901	23.71
06 BP-VPB-184-GW-660-662	24052	17.20	13934	21.39	10696	23.71

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.



SAMPLE DATA

1
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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	09/30/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	10/02/25
Client Sample ID:	BP-VPB-184-GW-600-602	SDG No.:	Q3248
Lab Sample ID:	Q3248-04	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	840 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
BN038045.D	1	10/06/25 08:50	10/07/25 14:28	PB169992

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.55		0.080	0.24	0.24	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.36		30 - 150		91%	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		91%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.36		53 - 106		90%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.76	*	58 - 132		189%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7970		7.804			
1146-65-2	Naphthalene-d8	23000		10.605			
15067-26-2	Acenaphthene-d10	12500		14.452			
1517-22-2	Phenanthrene-d10	25300		17.198			
1719-03-5	Chrysene-d12	17200		21.393			
1520-96-3	Perylene-d12	12200		23.709			

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\BN100725\
Data File : BN038045.D
Acq On : 07 Oct 2025 14:28
Operator : RC/JU
Sample : Q3248-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BP-VPB-184-GW-600-602

Quant Time: Oct 07 14:53:28 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

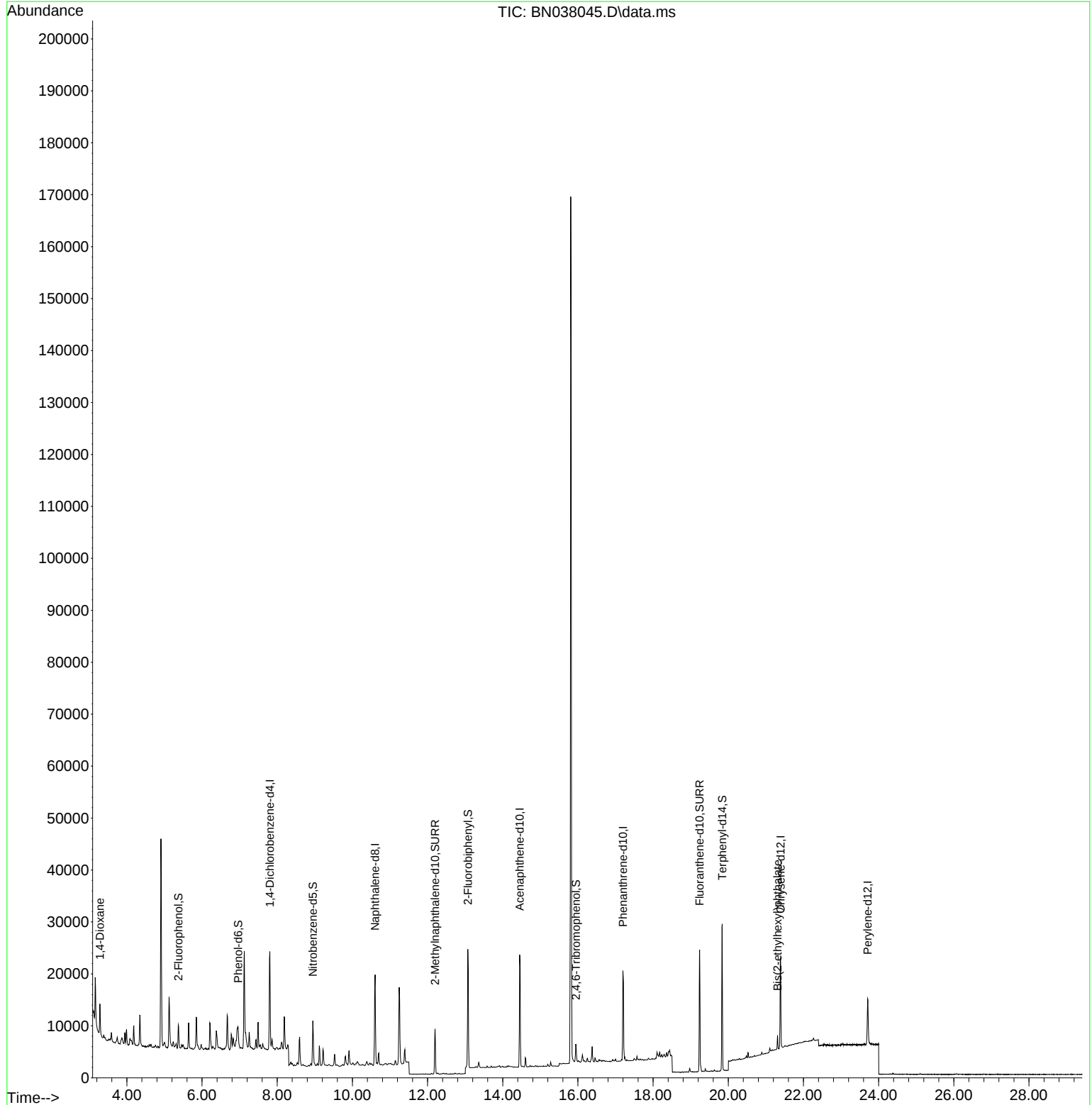
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.804	152	7966	0.400	ng	-0.02
7) Naphthalene-d8	10.605	136	23022	0.400	ng	-0.02
13) Acenaphthene-d10	14.452	164	12487	0.400	ng	-0.02
19) Phenanthrene-d10	17.198	188	25250	0.400	ng	#-0.02
29) Chrysene-d12	21.393	240	17199	0.400	ng	0.00
35) Perylene-d12	23.709	264	12217	0.400	ng	#-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.370	112	3408	0.187	ng	-0.01
5) Phenol-d6	6.959	99	3024	0.127	ng	-0.01
8) Nitrobenzene-d5	8.950	82	6393	0.364	ng	-0.02
11) 2-Methylnaphthalene-d10	12.197	152	11622	0.363	ng	-0.02
14) 2,4,6-Tribromophenol	15.945	330	1832	0.387	ng	-0.02
15) 2-Fluorobiphenyl	13.073	172	18523	0.362	ng	-0.02
27) Fluoranthene-d10	19.239	212	25053	0.394	ng	-0.01
31) Terphenyl-d14	19.838	244	25960	0.758	ng	-0.01
Target Compounds						
2) 1,4-Dioxane	3.283	88	3771	0.466	ng	# 85
34) Bis(2-ethylhexyl)phtha...	21.313	149	2704	0.114	ng	# 99

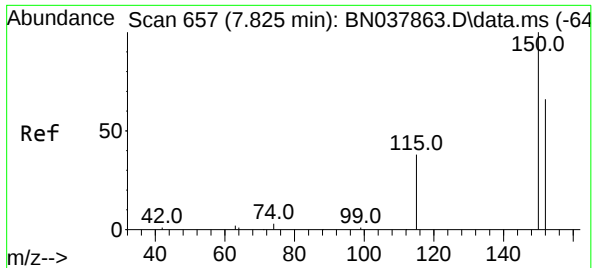
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100725\
Data File : BN038045.D
Acq On : 07 Oct 2025 14:28
Operator : RC/JU
Sample : Q3248-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BP-VPB-184-GW-600-602

Quant Time: Oct 07 14:53:28 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

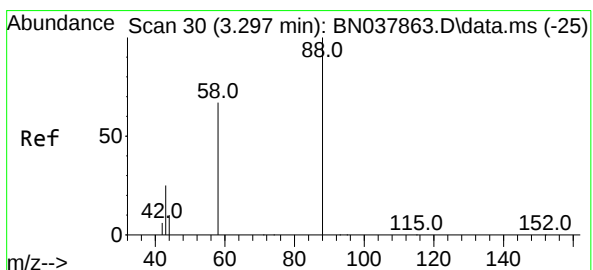
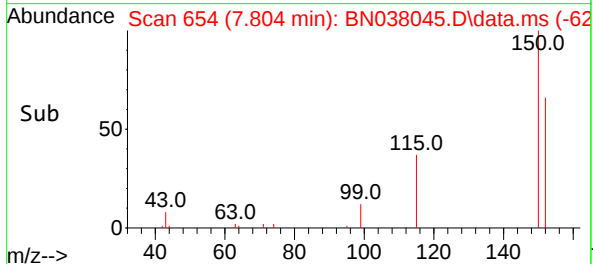
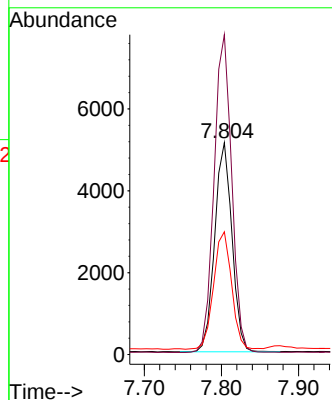
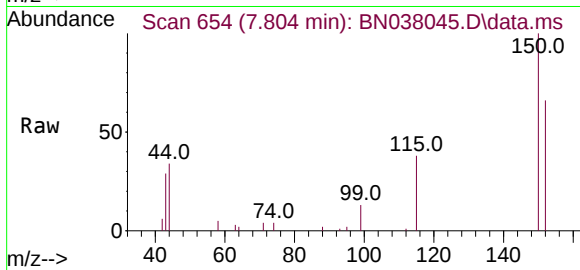




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.804 min Scan# 61
Delta R.T. -0.021 min
Lab File: BN038045.D
Acq: 07 Oct 2025 14:28

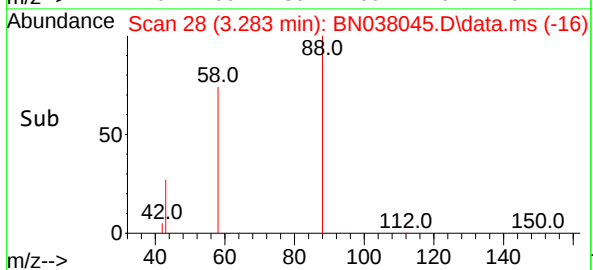
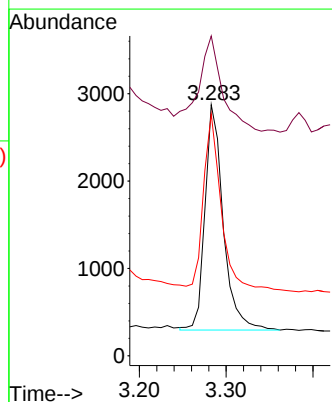
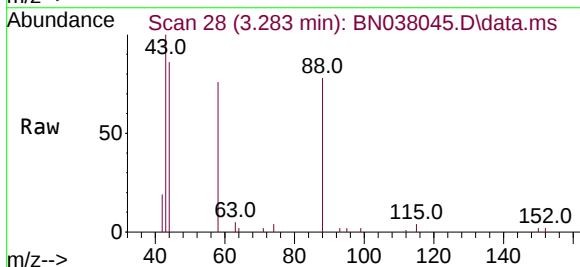
Instrument :
BNA_N
ClientSampleId :
BP-VPB-184-GW-600-602

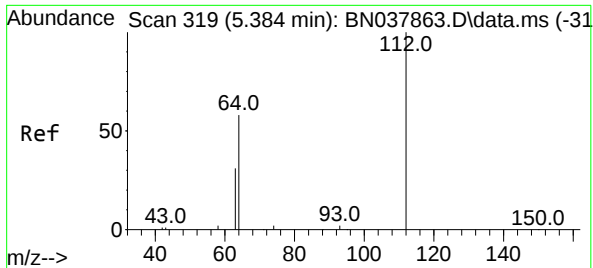
Tgt Ion:152 Resp: 7966
Ion Ratio Lower Upper
152 100
150 151.0 121.0 181.4
115 58.0 47.4 71.0



#2
1,4-Dioxane
Concen: 0.466 ng
RT: 3.283 min Scan# 28
Delta R.T. -0.014 min
Lab File: BN038045.D
Acq: 07 Oct 2025 14:28

Tgt Ion: 88 Resp: 3771
Ion Ratio Lower Upper
88 100
43 59.1 26.6 39.8#
58 74.4 58.9 88.3

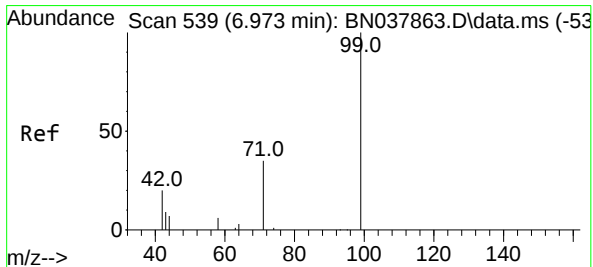
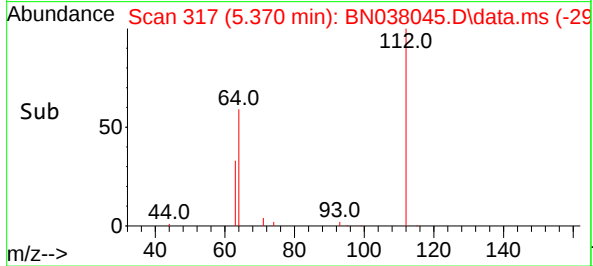
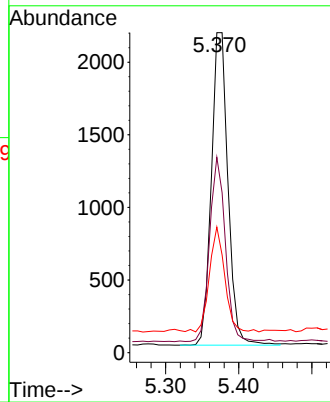
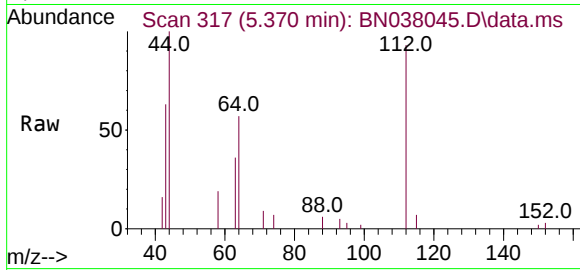




#4
2-Fluorophenol
Concen: 0.187 ng
RT: 5.370 min Scan# 319
Delta R.T. -0.014 min
Lab File: BN038045.D
Acq: 07 Oct 2025 14:28

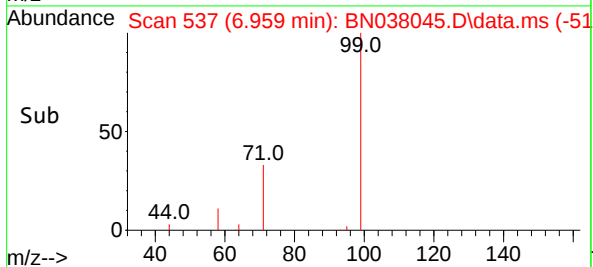
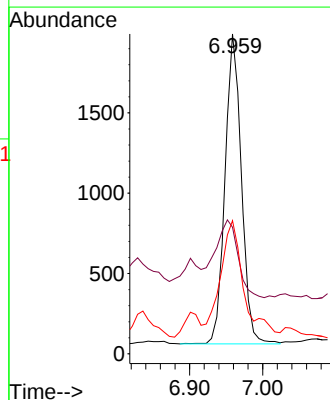
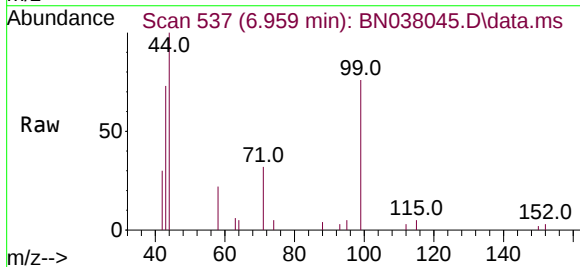
Instrument :
BNA_N
ClientSampleId :
BP-VPB-184-GW-600-602

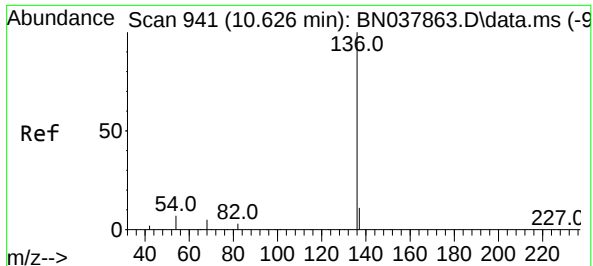
Tgt Ion:	112	Resp:	3408
Ion	Ratio	Lower	Upper
112	100		
64	55.9	44.6	66.8
63	30.3	24.9	37.3



#5
Phenol-d6
Concen: 0.127 ng
RT: 6.959 min Scan# 537
Delta R.T. -0.014 min
Lab File: BN038045.D
Acq: 07 Oct 2025 14:28

Tgt Ion:	99	Resp:	3024
Ion	Ratio	Lower	Upper
99	100		
42	36.4	17.2	25.8#
71	52.4	27.3	40.9#

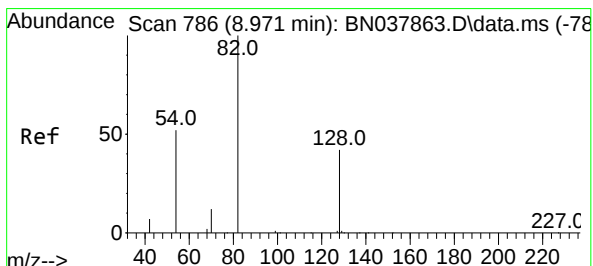
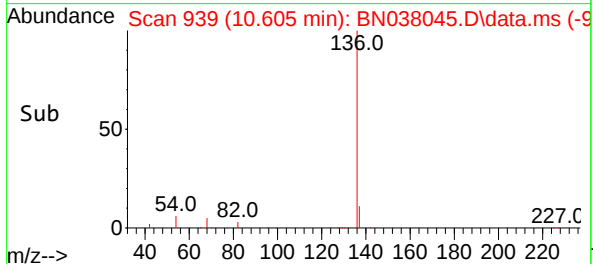
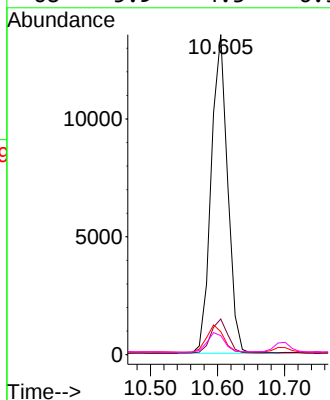
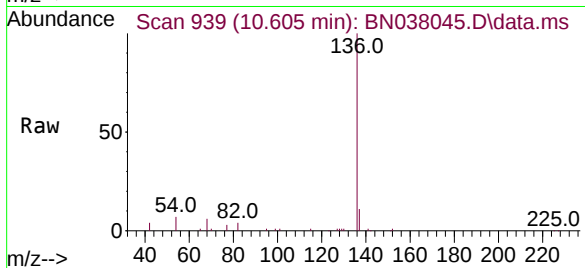




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.605 min Scan# 941
Delta R.T. -0.021 min
Lab File: BN038045.D
Acq: 07 Oct 2025 14:28

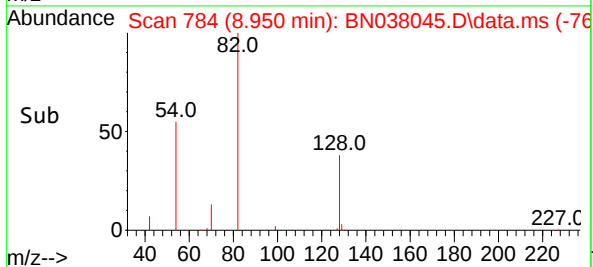
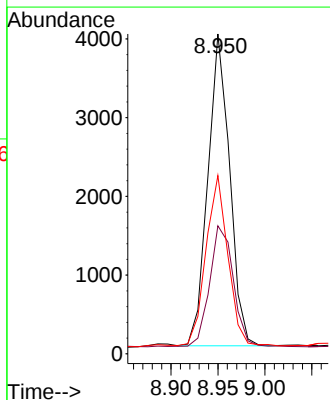
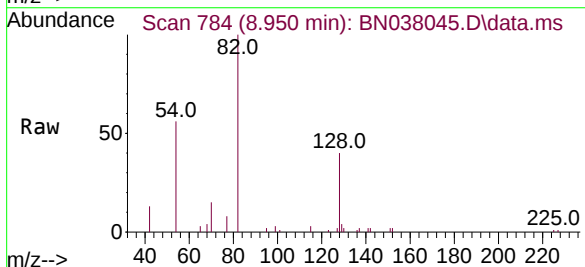
Instrument :
BNA_N
ClientSampleId :
BP-VPB-184-GW-600-602

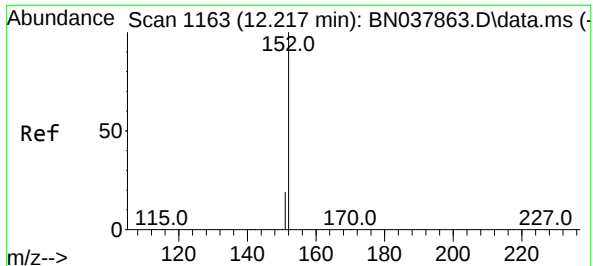
Tgt Ion:	136	Resp:	23022
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	7.2	5.8	8.8
68	5.9	4.3	6.5



#8
Nitrobenzene-d5
Concen: 0.364 ng
RT: 8.950 min Scan# 784
Delta R.T. -0.021 min
Lab File: BN038045.D
Acq: 07 Oct 2025 14:28

Tgt Ion:	82	Resp:	6393
Ion	Ratio	Lower	Upper
82	100		
128	40.0	34.8	52.2
54	55.7	42.2	63.2

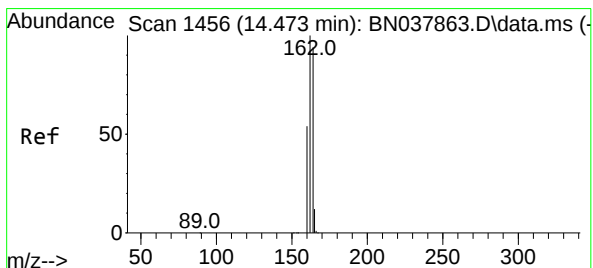
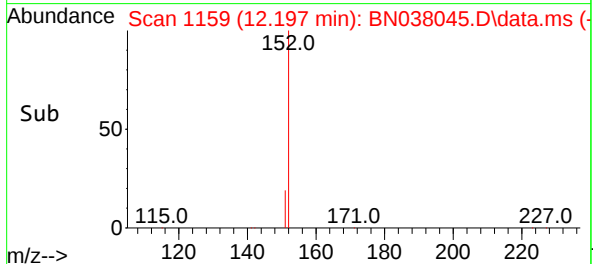
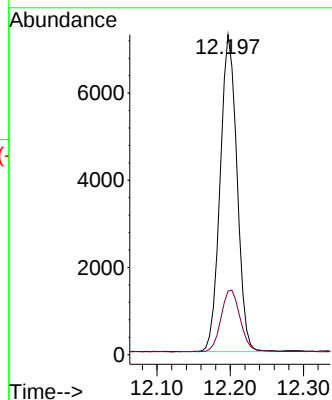
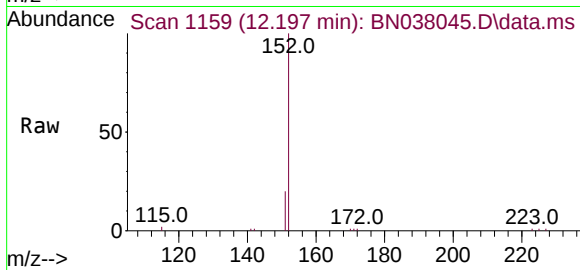




#11
2-Methylnaphthalene-d10
Concen: 0.363 ng
RT: 12.197 min Scan# 1163
Delta R.T. -0.020 min
Lab File: BN038045.D
Acq: 07 Oct 2025 14:28

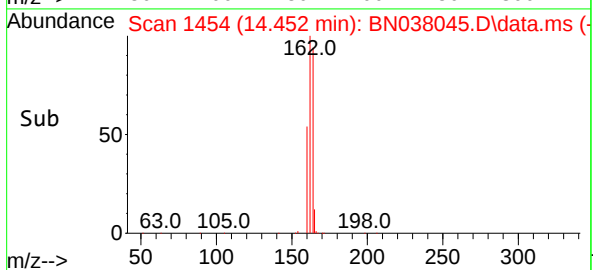
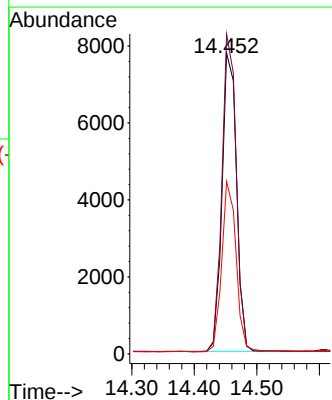
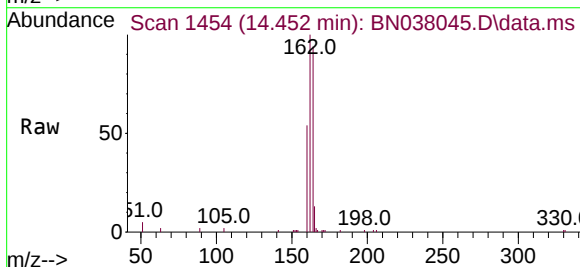
Instrument :
BNA_N
ClientSampleId :
BP-VPB-184-GW-600-602

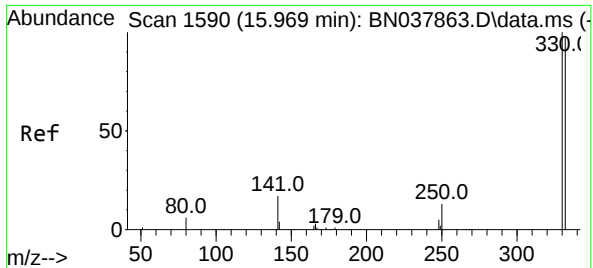
Tgt Ion:152 Resp: 11622
Ion Ratio Lower Upper
152 100
151 22.2 17.4 26.2



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.452 min Scan# 1454
Delta R.T. -0.021 min
Lab File: BN038045.D
Acq: 07 Oct 2025 14:28

Tgt Ion:164 Resp: 12487
Ion Ratio Lower Upper
164 100
162 106.4 84.8 127.2
160 57.4 46.1 69.1





#14

2,4,6-Tribromophenol

Concen: 0.387 ng

RT: 15.945 min Scan# 1588

Delta R.T. -0.024 min

Lab File: BN038045.D

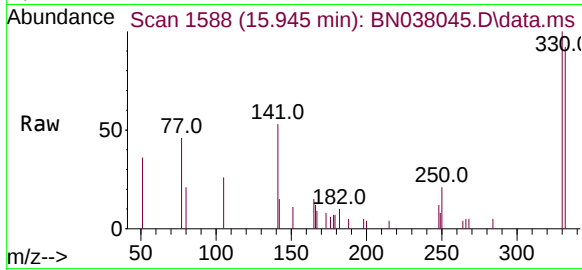
Acq: 07 Oct 2025 14:28

Instrument :

BNA_N

ClientSampleId :

BP-VPB-184-GW-600-602



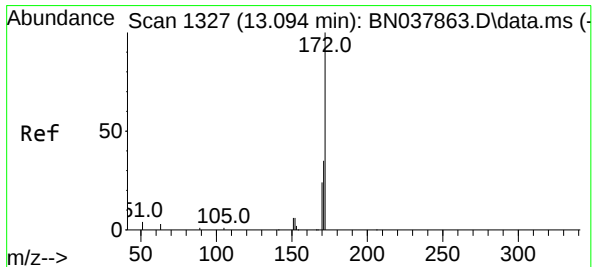
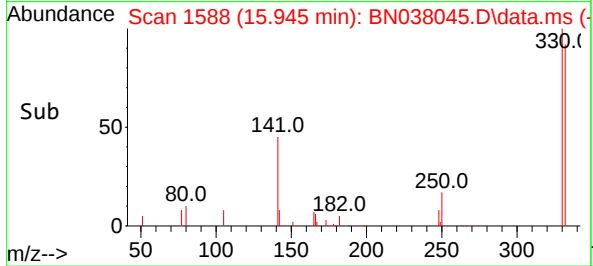
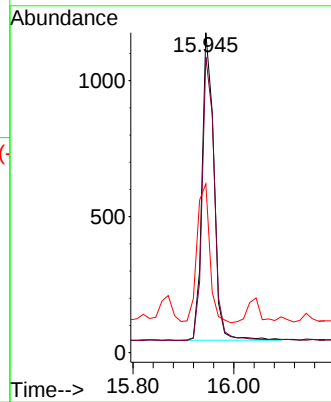
Tgt Ion:330 Resp: 1832

Ion Ratio Lower Upper

330 100

332 95.3 77.2 115.8

141 48.9 37.2 55.8



#15

2-Fluorobiphenyl

Concen: 0.362 ng

RT: 13.073 min Scan# 1325

Delta R.T. -0.021 min

Lab File: BN038045.D

Acq: 07 Oct 2025 14:28

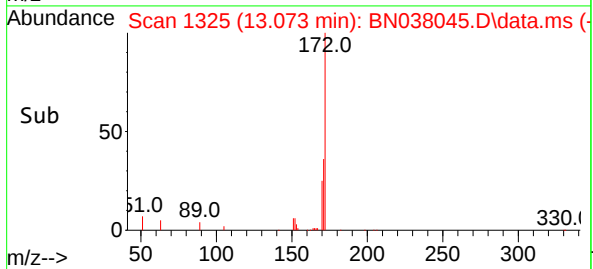
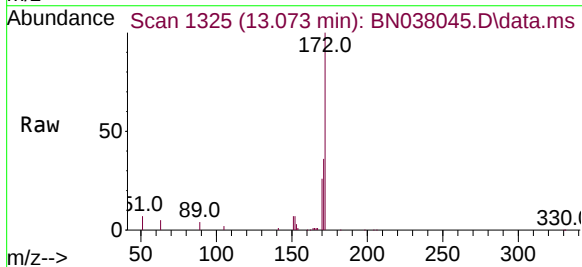
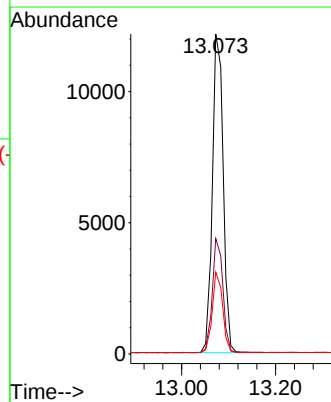
Tgt Ion:172 Resp: 18523

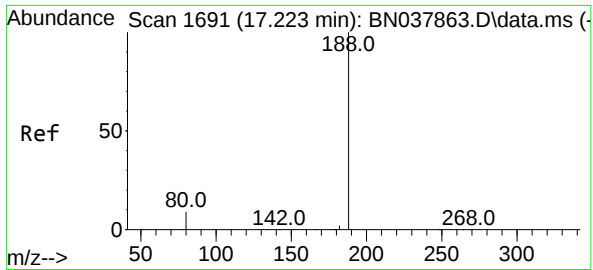
Ion Ratio Lower Upper

172 100

171 36.0 28.6 43.0

170 25.6 19.7 29.5





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.198 min Scan# 1689

Delta R.T. -0.025 min

Lab File: BN038045.D

Acq: 07 Oct 2025 14:28

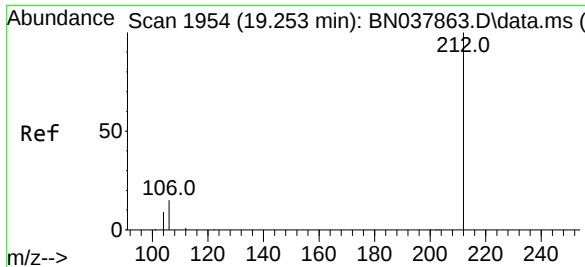
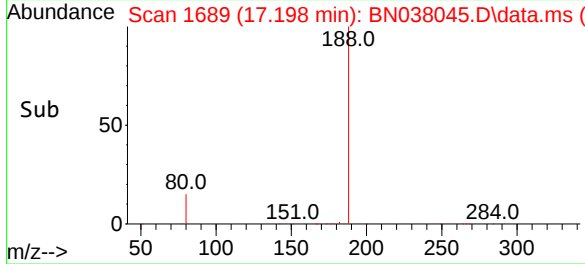
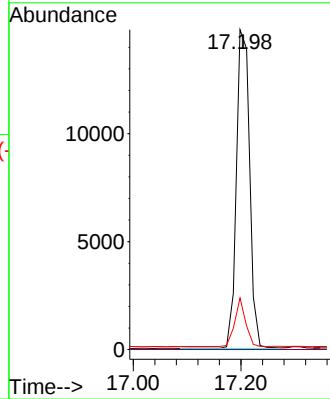
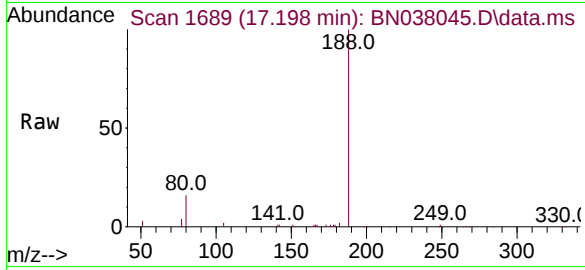
Instrument :

BNA_N

ClientSampleId :

BP-VPB-184-GW-600-602

Tgt Ion:	188	Resp:	25250
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	16.1	7.6	11.4#



#27

Fluoranthene-d10

Concen: 0.394 ng

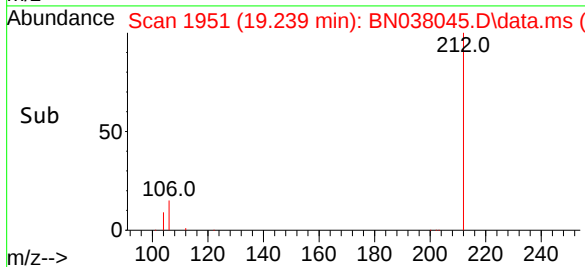
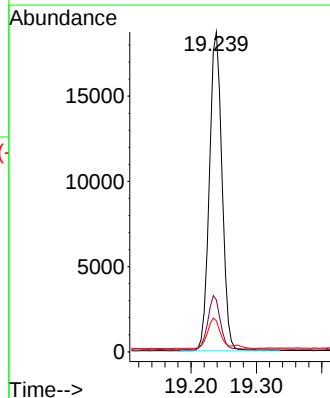
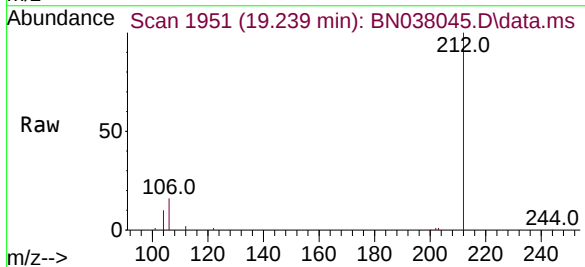
RT: 19.239 min Scan# 1951

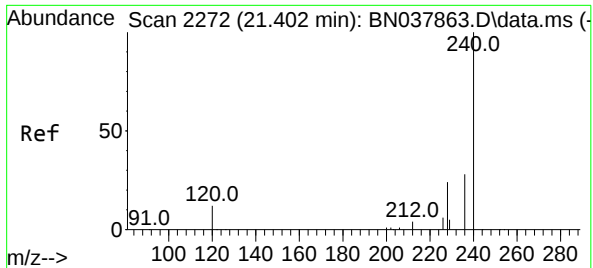
Delta R.T. -0.014 min

Lab File: BN038045.D

Acq: 07 Oct 2025 14:28

Tgt Ion:	212	Resp:	25053
Ion Ratio	Lower	Upper	
212	100		
106	16.7	12.6	19.0
104	9.6	7.4	11.0

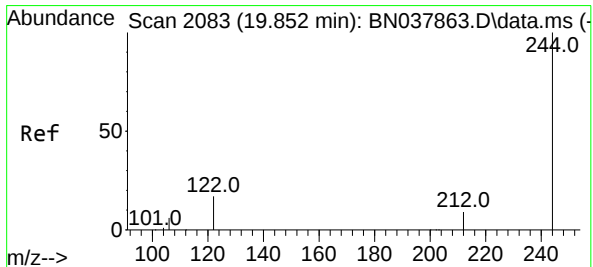
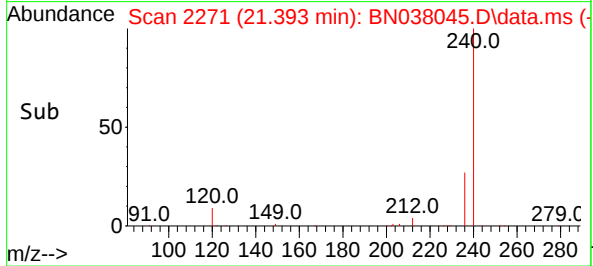
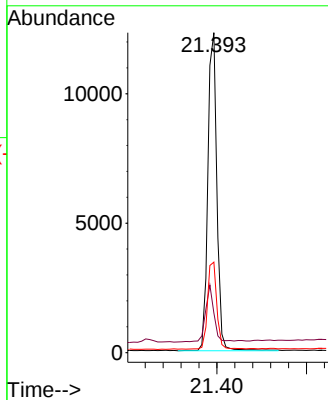
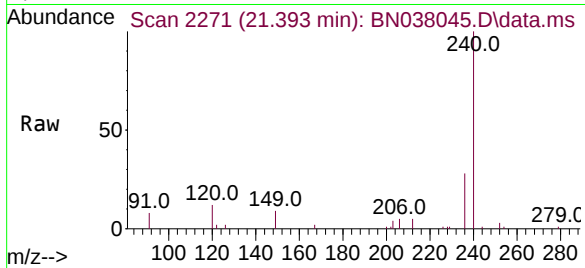




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.393 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN038045.D
Acq: 07 Oct 2025 14:28

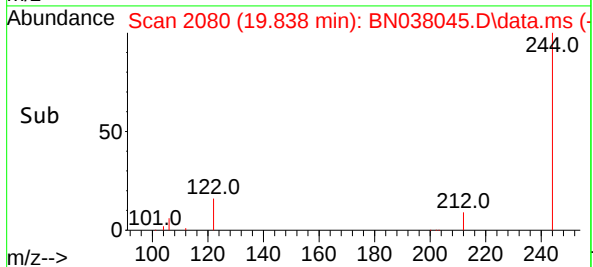
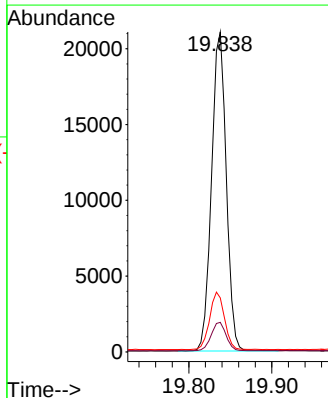
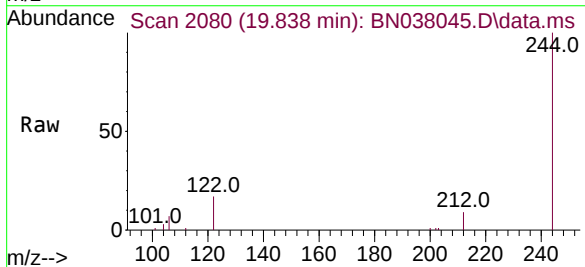
Instrument :
BNA_N
ClientSampleId :
BP-VPB-184-GW-600-602

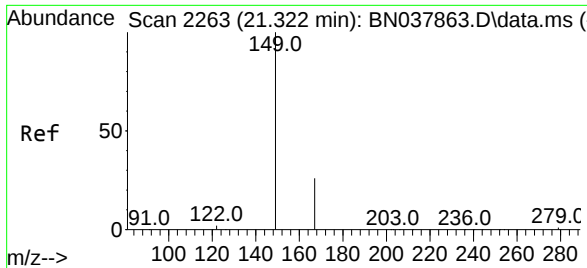
Tgt Ion:	240	Resp:	17199
Ion Ratio	Lower	Upper	
240	100		
120	12.4	11.4	17.2
236	28.3	23.0	34.6



#31
Terphenyl-d14
Concen: 0.758 ng
RT: 19.838 min Scan# 2080
Delta R.T. -0.014 min
Lab File: BN038045.D
Acq: 07 Oct 2025 14:28

Tgt Ion:	244	Resp:	25960
Ion Ratio	Lower	Upper	
244	100		
212	9.2	7.6	11.4
122	16.9	13.9	20.9

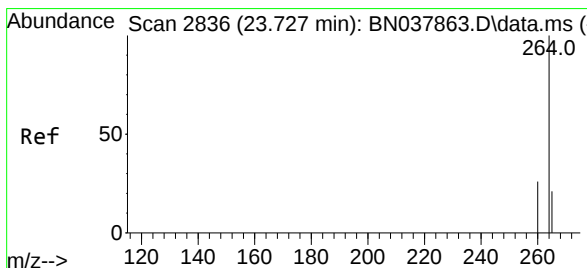
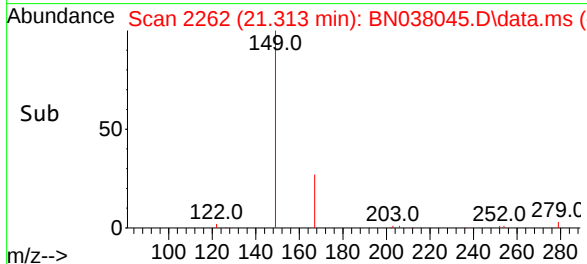
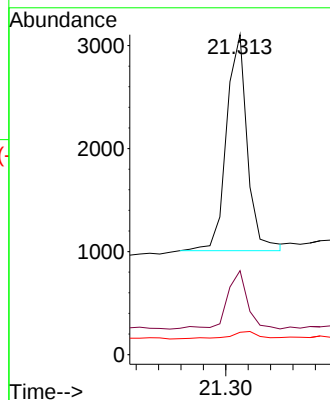
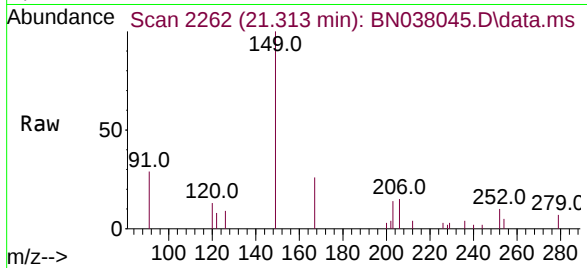




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.114 ng
RT: 21.313 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN038045.D
Acq: 07 Oct 2025 14:28

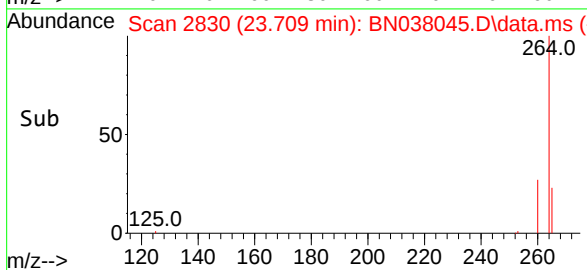
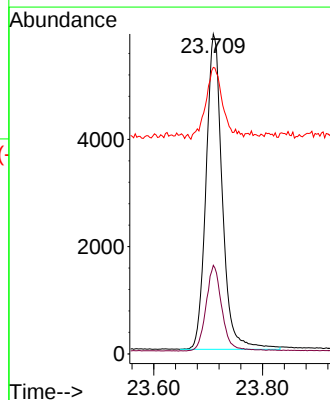
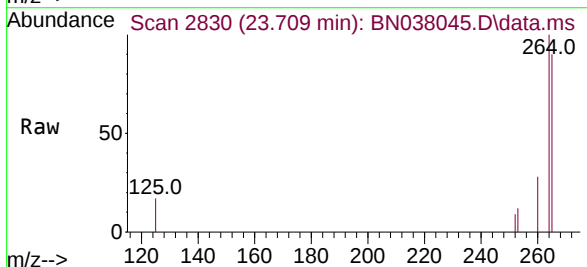
Instrument :
BNA_N
ClientSampleId :
BP-VPB-184-GW-600-602

Tgt Ion:149 Resp: 2704
Ion Ratio Lower Upper
149 100
167 25.8 20.4 30.6
279 4.4 2.4 3.6#



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.709 min Scan# 2830
Delta R.T. -0.018 min
Lab File: BN038045.D
Acq: 07 Oct 2025 14:28

Tgt Ion:264 Resp: 12217
Ion Ratio Lower Upper
264 100
260 27.7 21.5 32.3
265 89.5 53.8 80.6#



Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/01/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	10/02/25
Client Sample ID:	BP-VPB-184-GW-620-622	SDG No.:	Q3248
Lab Sample ID:	Q3248-05	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	870 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN038046.D	1	10/06/25 08:50	10/07/25 15:05	PB169992

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.23	U	0.080	0.23	0.23	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.34		30 - 150		84%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.38		30 - 150		94%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.36		55 - 111		89%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.35		53 - 106		88%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.60	*	58 - 132		149%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	8670		7.804			
1146-65-2	Naphthalene-d8	24700		10.605			
15067-26-2	Acenaphthene-d10	12200		14.452			
1517-22-2	Phenanthrene-d10	21000		17.198			
1719-03-5	Chrysene-d12	14000		21.393			
1520-96-3	Perylene-d12	12900		23.709			

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\BN100725\
Data File : BN038046.D
Acq On : 07 Oct 2025 15:05
Operator : RC/JU
Sample : Q3248-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BP-VPB-184-GW-620-622

Quant Time: Oct 07 15:30:17 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

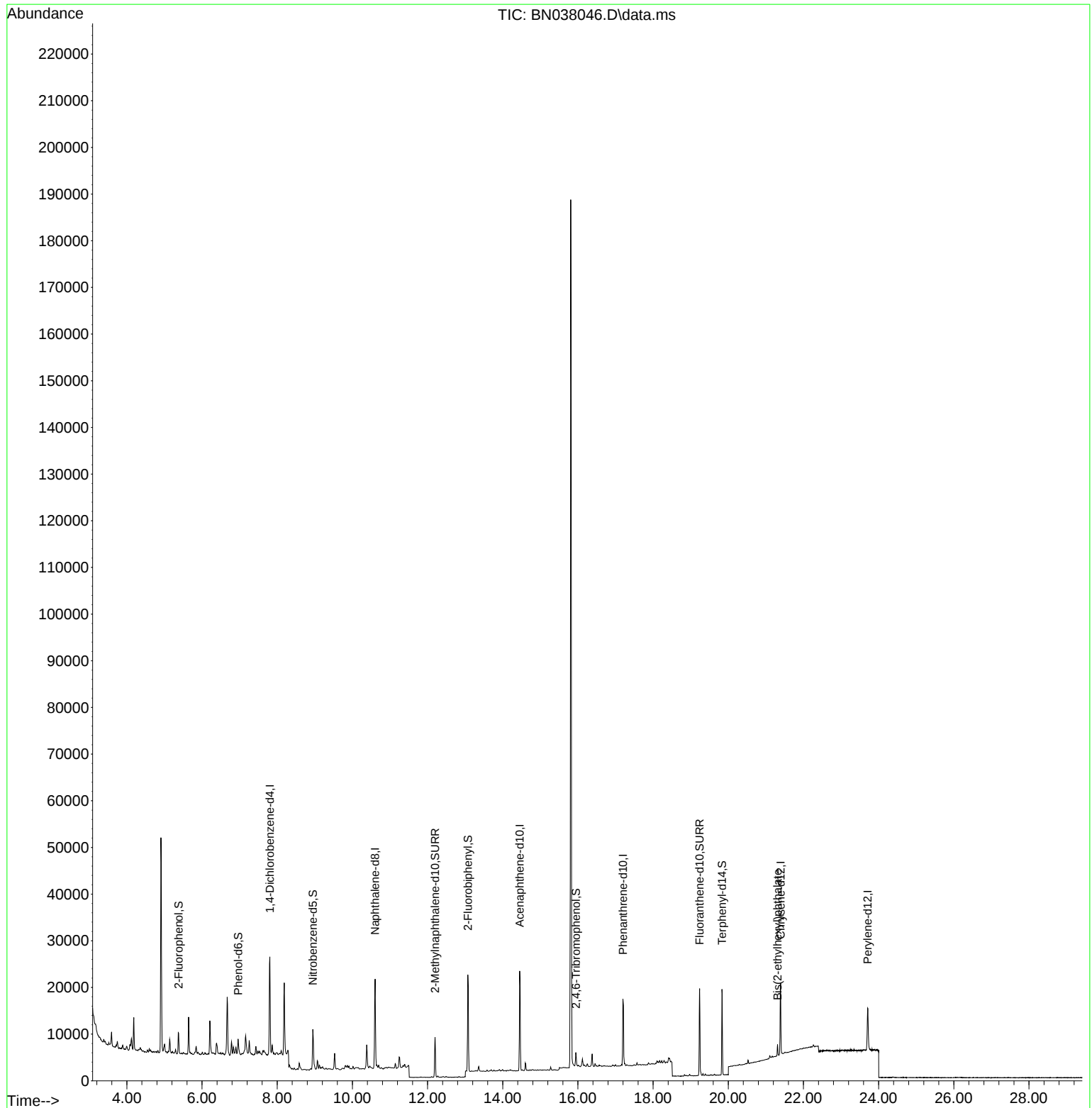
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.804	152	8674	0.400	ng	-0.02
7) Naphthalene-d8	10.605	136	24704	0.400	ng	-0.02
13) Acenaphthene-d10	14.452	164	12221	0.400	ng	-0.02
19) Phenanthrene-d10	17.198	188	20976	0.400	ng	#-0.02
29) Chrysene-d12	21.393	240	13980	0.400	ng	0.00
35) Perylene-d12	23.709	264	12901	0.400	ng	#-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.377	112	3300	0.167	ng	0.00
5) Phenol-d6	6.959	99	2705	0.104	ng	-0.01
8) Nitrobenzene-d5	8.950	82	6703	0.356	ng	-0.02
11) 2-Methylnaphthalene-d10	12.197	152	11481	0.335	ng	-0.02
14) 2,4,6-Tribromophenol	15.944	330	1563	0.337	ng	-0.02
15) 2-Fluorobiphenyl	13.073	172	17616	0.352	ng	-0.02
27) Fluoranthene-d10	19.238	212	19934	0.378	ng	-0.01
31) Terphenyl-d14	19.833	244	16602	0.596	ng	-0.02
Target Compounds						
34) Bis(2-ethylhexyl)phtha...	21.313	149	2432	0.126	ng	Qvalue 99

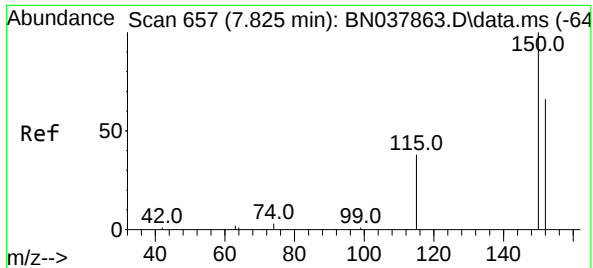
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100725\
Data File : BN038046.D
Acq On : 07 Oct 2025 15:05
Operator : RC/JU
Sample : Q3248-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BP-VPB-184-GW-620-622

Quant Time: Oct 07 15:30:17 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

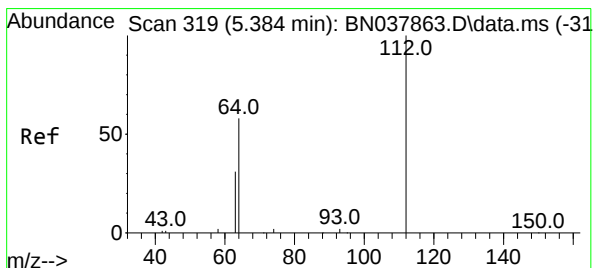
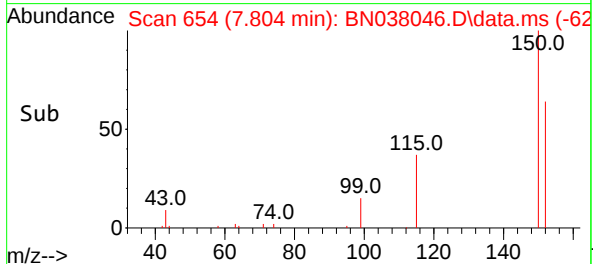
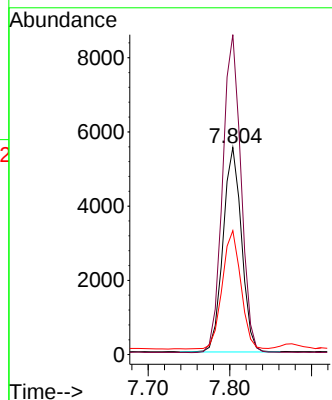
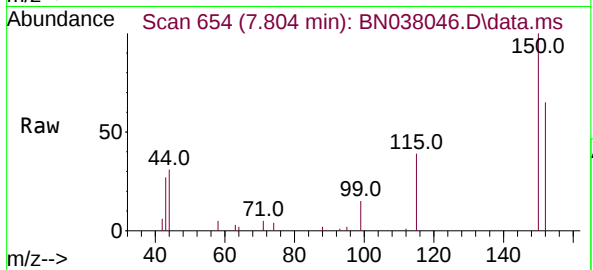




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.804 min Scan# 61
Delta R.T. -0.021 min
Lab File: BN038046.D
Acq: 07 Oct 2025 15:05

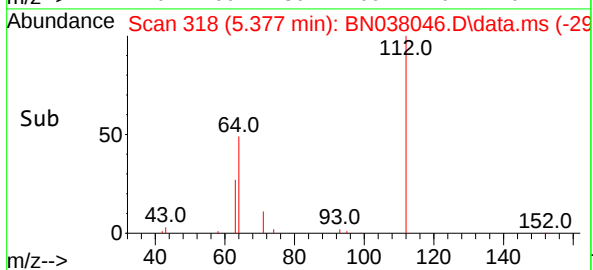
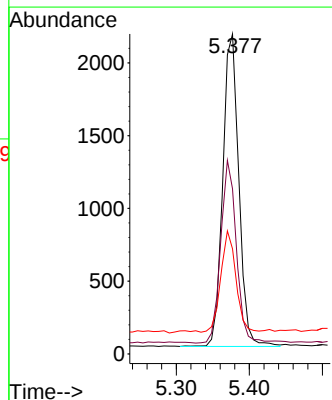
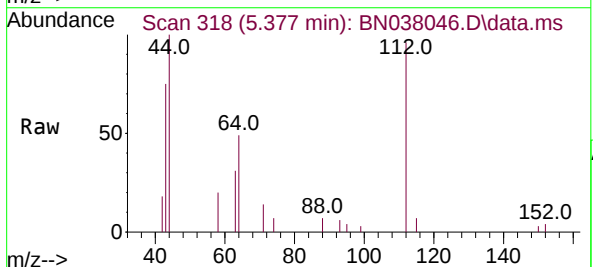
Instrument :
BNA_N
ClientSampleId :
BP-VPB-184-GW-620-622

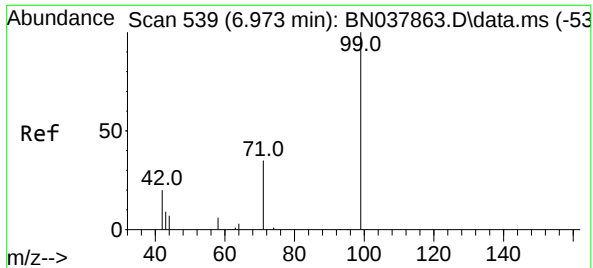
Tgt Ion:152 Resp: 8674
Ion Ratio Lower Upper
152 100
150 154.5 121.0 181.4
115 59.9 47.4 71.0



#4
2-Fluorophenol
Concen: 0.167 ng
RT: 5.377 min Scan# 318
Delta R.T. -0.007 min
Lab File: BN038046.D
Acq: 07 Oct 2025 15:05

Tgt Ion:112 Resp: 3300
Ion Ratio Lower Upper
112 100
64 57.1 44.6 66.8
63 30.6 24.9 37.3

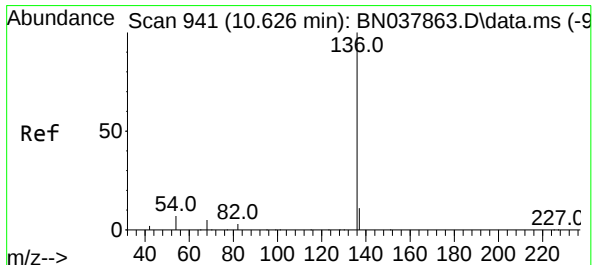
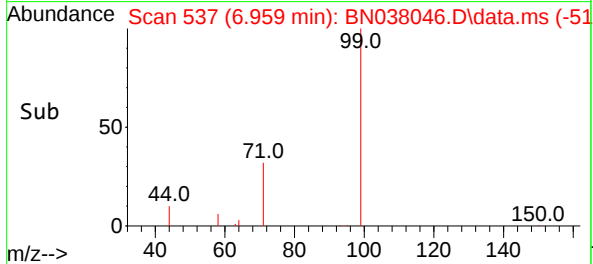
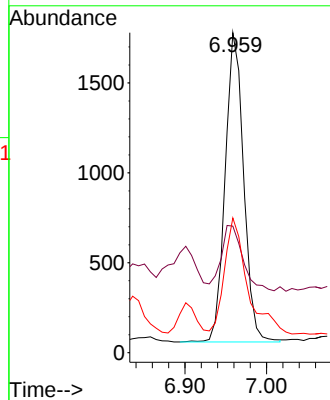
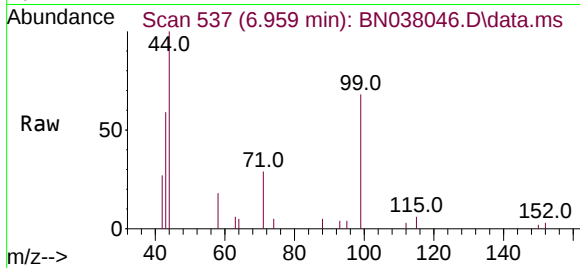




#5
Phenol-d6
Concen: 0.104 ng
RT: 6.959 min Scan# 531
Delta R.T. -0.015 min
Lab File: BN038046.D
Acq: 07 Oct 2025 15:05

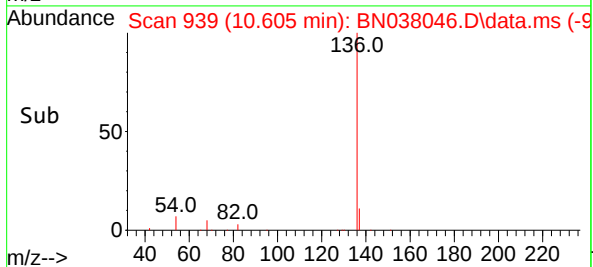
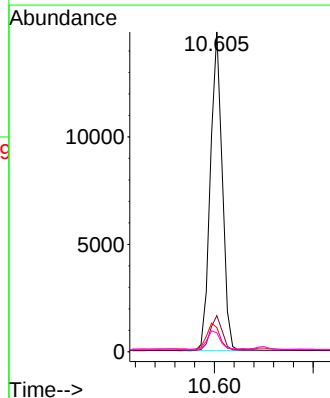
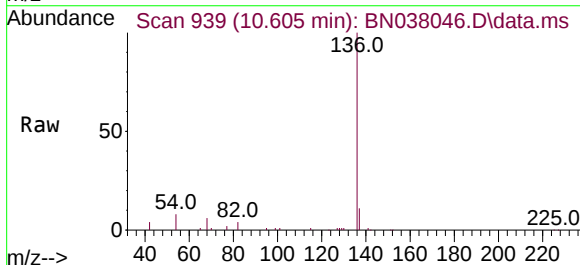
Instrument :
BNA_N
ClientSampleId :
BP-VPB-184-GW-620-622

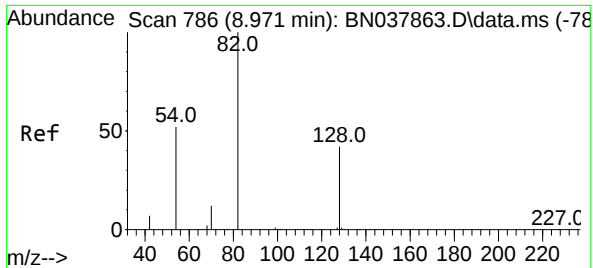
Tgt Ion:	99	Resp:	2705
Ion	Ratio	Lower	Upper
99	100		
42	24.4	17.2	25.8
71	46.8	27.3	40.9



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.605 min Scan# 939
Delta R.T. -0.021 min
Lab File: BN038046.D
Acq: 07 Oct 2025 15:05

Tgt Ion:	136	Resp:	24704
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.4
54	7.6	5.8	8.8
68	6.0	4.3	6.5

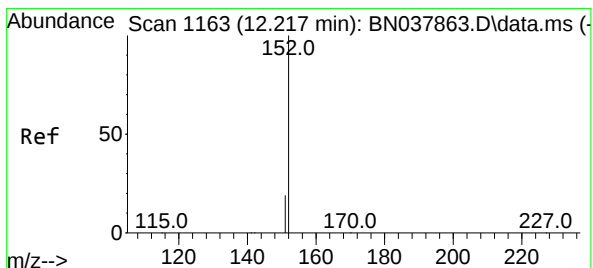
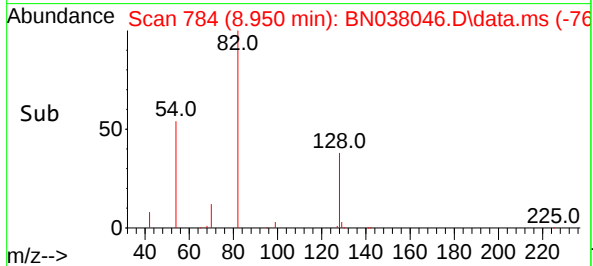
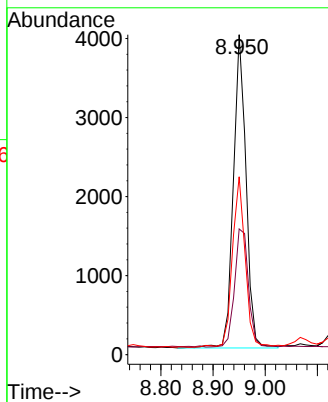
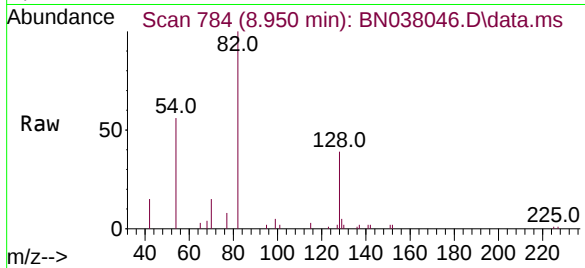




#8
Nitrobenzene-d5
Concen: 0.356 ng
RT: 8.950 min Scan# 786
Delta R.T. -0.021 min
Lab File: BN038046.D
Acq: 07 Oct 2025 15:05

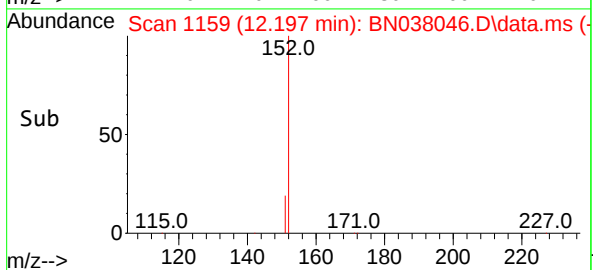
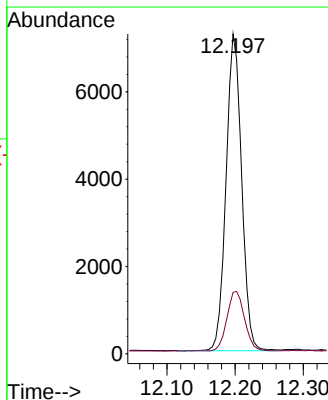
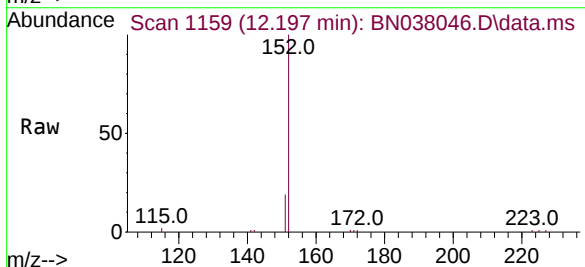
Instrument :
BNA_N
ClientSampleId :
BP-VPB-184-GW-620-622

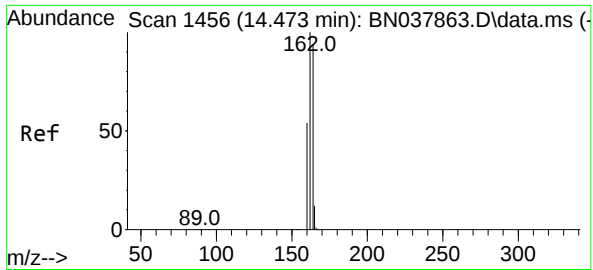
Tgt Ion:	82	Resp:	6703
Ion	Ratio	Lower	Upper
82	100		
128	39.3	34.8	52.2
54	55.6	42.2	63.2



#11
2-Methylnaphthalene-d10
Concen: 0.335 ng
RT: 12.197 min Scan# 1159
Delta R.T. -0.020 min
Lab File: BN038046.D
Acq: 07 Oct 2025 15:05

Tgt Ion:	152	Resp:	11481
Ion	Ratio	Lower	Upper
152	100		
151	21.1	17.4	26.2

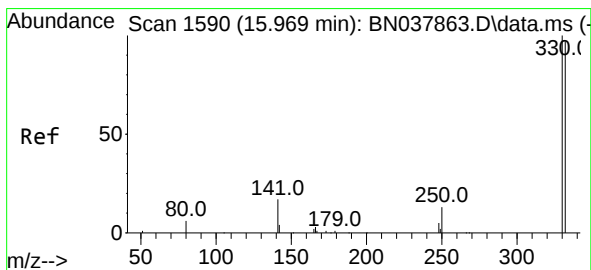
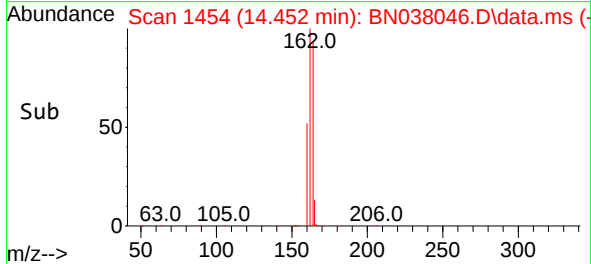
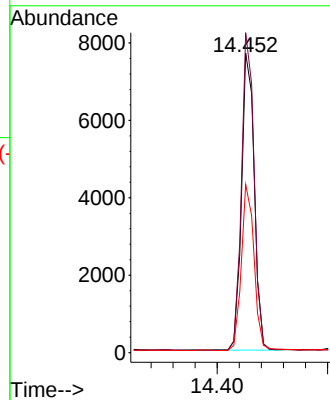
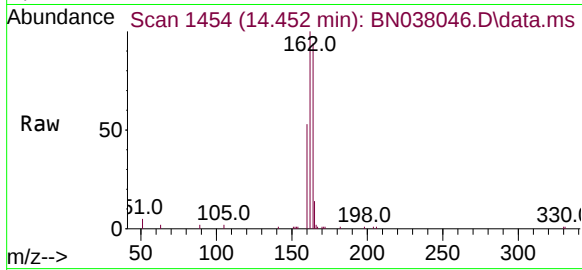




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.452 min Scan# 1456
Delta R.T. -0.021 min
Lab File: BN038046.D
Acq: 07 Oct 2025 15:05

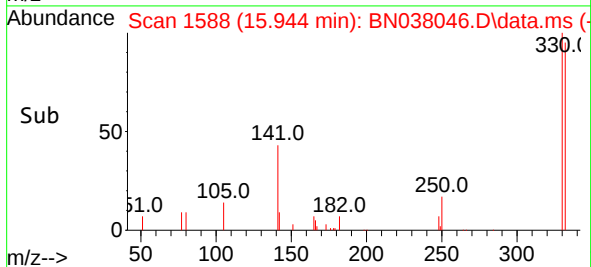
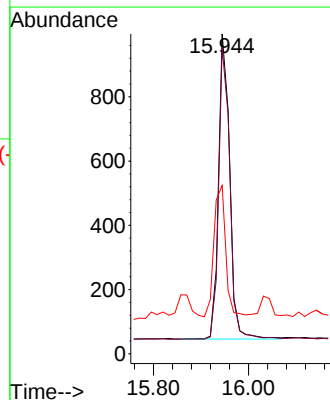
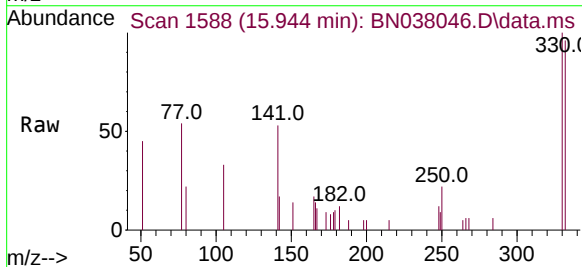
Instrument :
BNA_N
ClientSampleId :
BP-VPB-184-GW-620-622

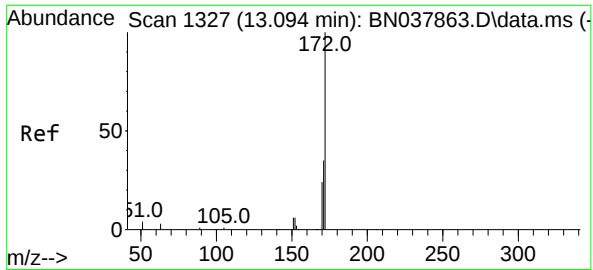
Tgt Ion:164 Resp: 12221
Ion Ratio Lower Upper
164 100
162 106.9 84.8 127.2
160 56.2 46.1 69.1



#14
2,4,6-Tribromophenol
Concen: 0.337 ng
RT: 15.944 min Scan# 1588
Delta R.T. -0.025 min
Lab File: BN038046.D
Acq: 07 Oct 2025 15:05

Tgt Ion:330 Resp: 1563
Ion Ratio Lower Upper
330 100
332 94.9 77.2 115.8
141 44.9 37.2 55.8

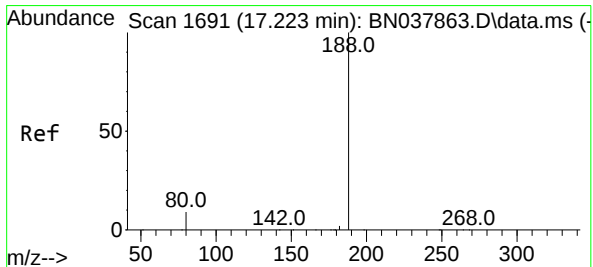
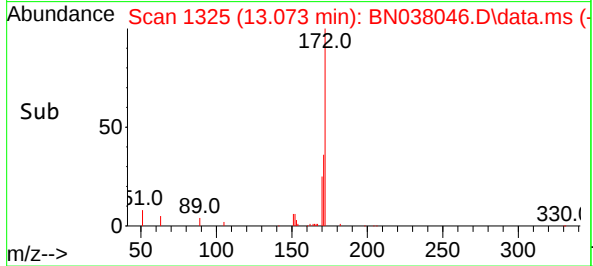
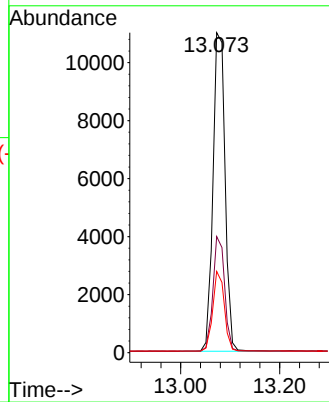
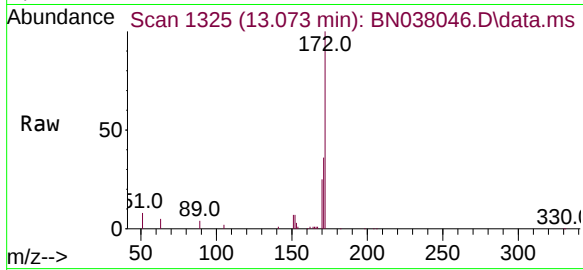




#15
2-Fluorobiphenyl
Concen: 0.352 ng
RT: 13.073 min Scan# 1327
Delta R.T. -0.021 min
Lab File: BN038046.D
Acq: 07 Oct 2025 15:05

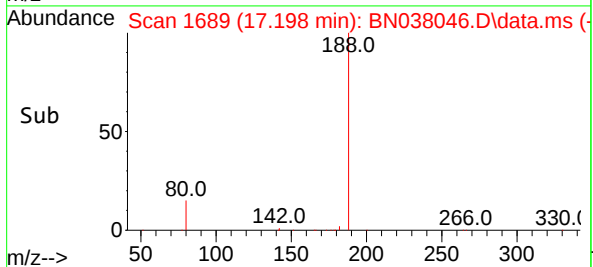
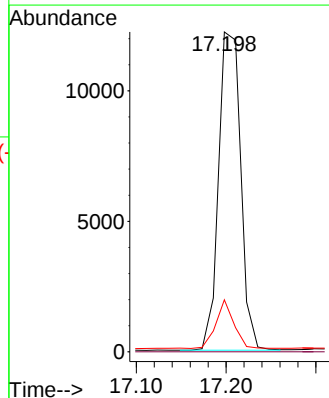
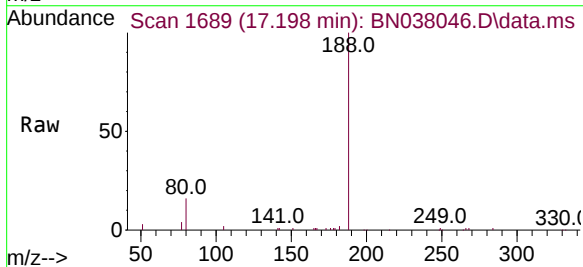
Instrument :
BNA_N
ClientSampleId :
BP-VPB-184-GW-620-622

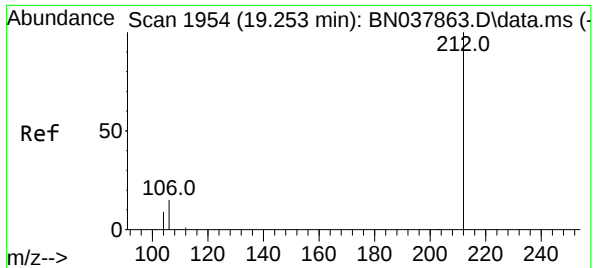
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.6	43.0
170	25.4	19.7	29.5



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.198 min Scan# 1689
Delta R.T. -0.025 min
Lab File: BN038046.D
Acq: 07 Oct 2025 15:05

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	16.3	7.6	11.4

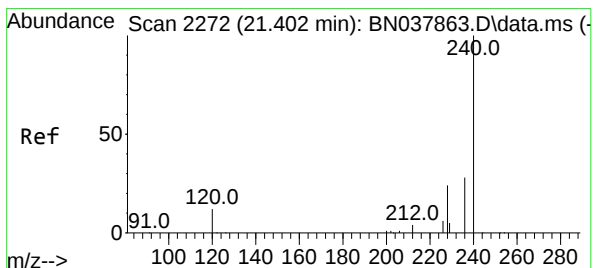
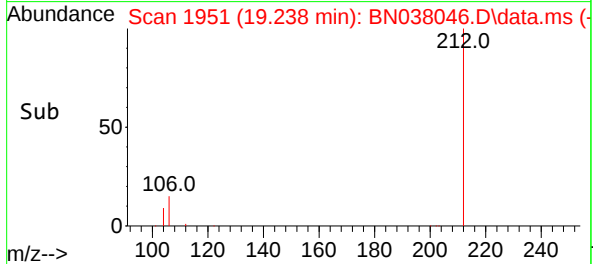
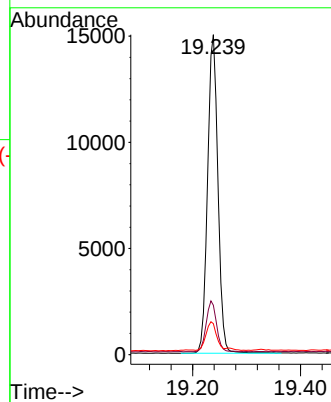
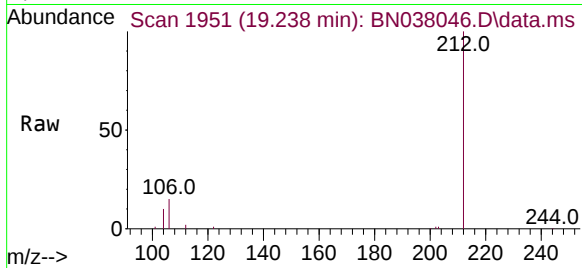




#27
Fluoranthene-d10
Concen: 0.378 ng
RT: 19.238 min Scan# 1951
Delta R.T. -0.014 min
Lab File: BN038046.D
Acq: 07 Oct 2025 15:05

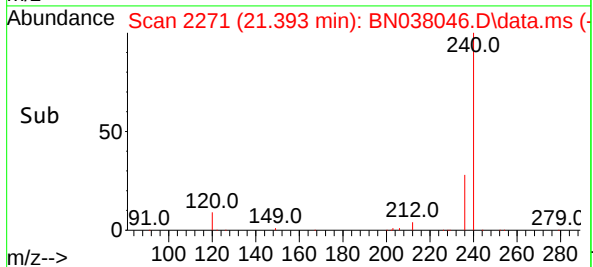
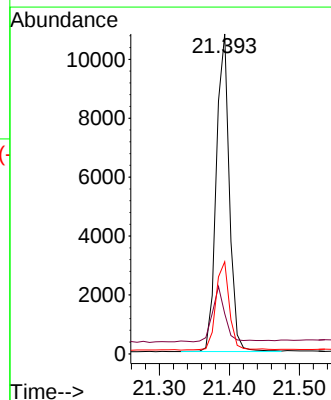
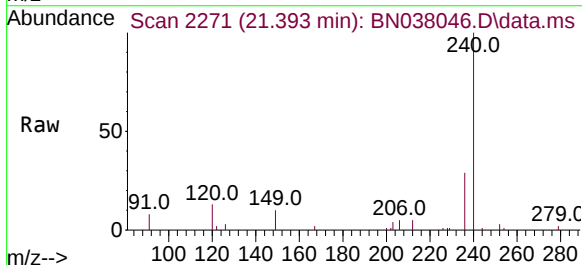
Instrument :
BNA_N
ClientSampleId :
BP-VPB-184-GW-620-622

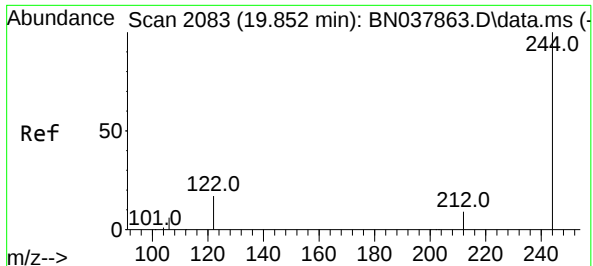
Tgt Ion	Ratio	Lower	Upper
212	100		
106	15.9	12.6	19.0
104	9.2	7.4	11.0



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.393 min Scan# 2271
Delta R.T. -0.009 min
Lab File: BN038046.D
Acq: 07 Oct 2025 15:05

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.6	11.4	17.2
236	28.8	23.0	34.6

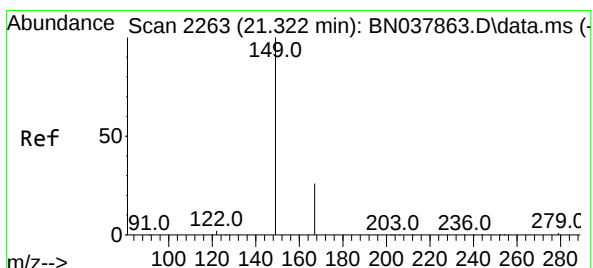
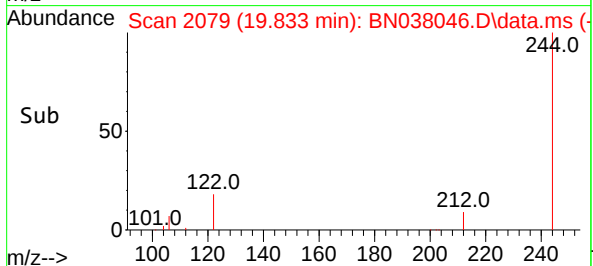
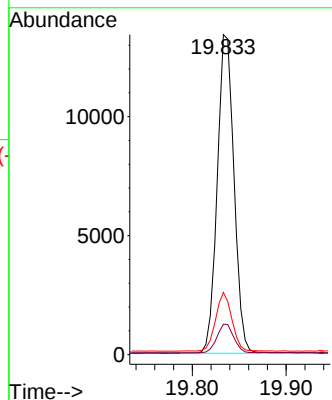
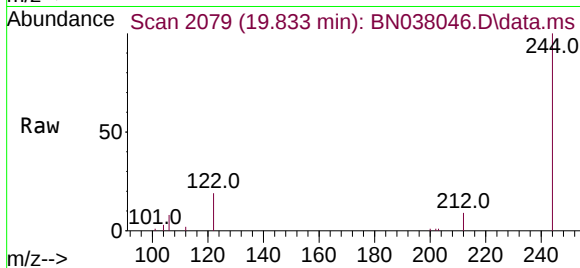




#31
Terphenyl-d14
Concen: 0.596 ng
RT: 19.833 min Scan# 2083
Delta R.T. -0.019 min
Lab File: BN038046.D
Acq: 07 Oct 2025 15:05

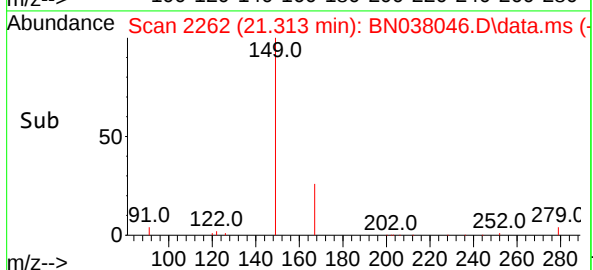
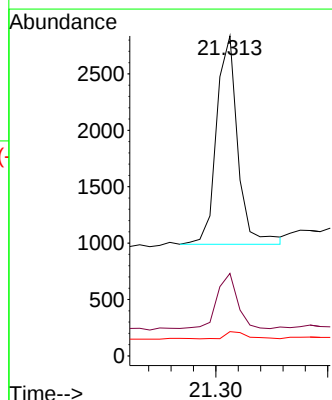
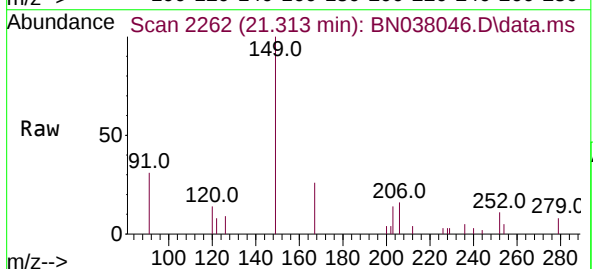
Instrument :
BNA_N
ClientSampleId :
BP-VPB-184-GW-620-622

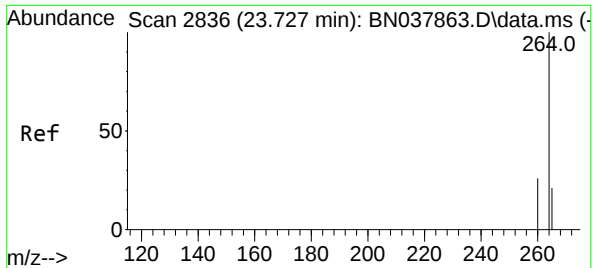
Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.5	7.6	11.4
122	19.4	13.9	20.9



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.126 ng
RT: 21.313 min Scan# 2262
Delta R.T. -0.009 min
Lab File: BN038046.D
Acq: 07 Oct 2025 15:05

Tgt Ion	Ratio	Lower	Upper
149	100		
167	25.3	20.4	30.6
279	3.5	2.4	3.6





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.709 min Scan# 28

Delta R.T. -0.018 min

Lab File: BN038046.D

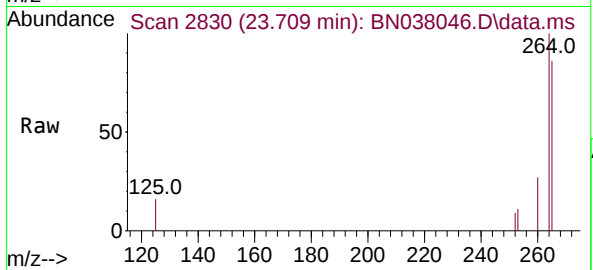
Acq: 07 Oct 2025 15:05

Instrument :

BNA_N

ClientSampleId :

BP-VPB-184-GW-620-622



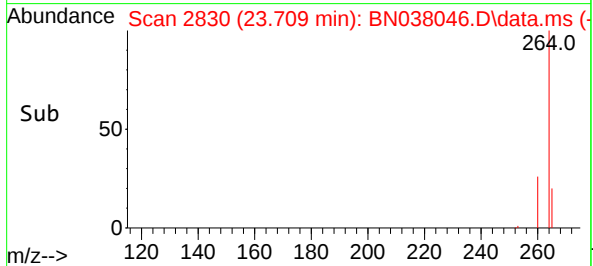
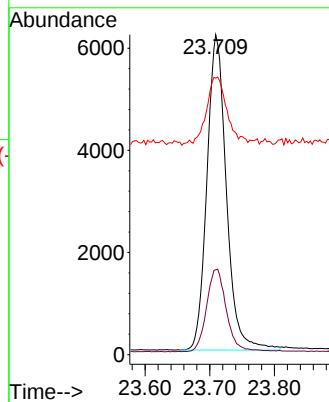
Tgt Ion:264 Resp: 12901

Ion Ratio Lower Upper

264 100

260 26.5 21.5 32.3

265 86.4 53.8 80.6#



Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/01/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	10/02/25
Client Sample ID:	BP-VPB-184-GW-660-662	SDG No.:	Q3248
Lab Sample ID:	Q3248-07	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	860 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
BN038047.D	1	10/06/25 08:50	10/07/25 15:41	PB169992

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.16	J	0.080	0.23	0.23	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.34		30 - 150		86%	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		89%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.37		53 - 106		93%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.75	*	58 - 132		188%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7910		7.804			
1146-65-2	Naphthalene-d8	22900		10.605			
15067-26-2	Acenaphthene-d10	12400		14.452			
1517-22-2	Phenanthrene-d10	24100		17.198			
1719-03-5	Chrysene-d12	13900		21.393			
1520-96-3	Perylene-d12	10700		23.709			

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\BN100725\
Data File : BN038047.D
Acq On : 07 Oct 2025 15:41
Operator : RC/JU
Sample : Q3248-07
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BP-VPB-184-GW-660-662

Quant Time: Oct 07 17:11:44 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

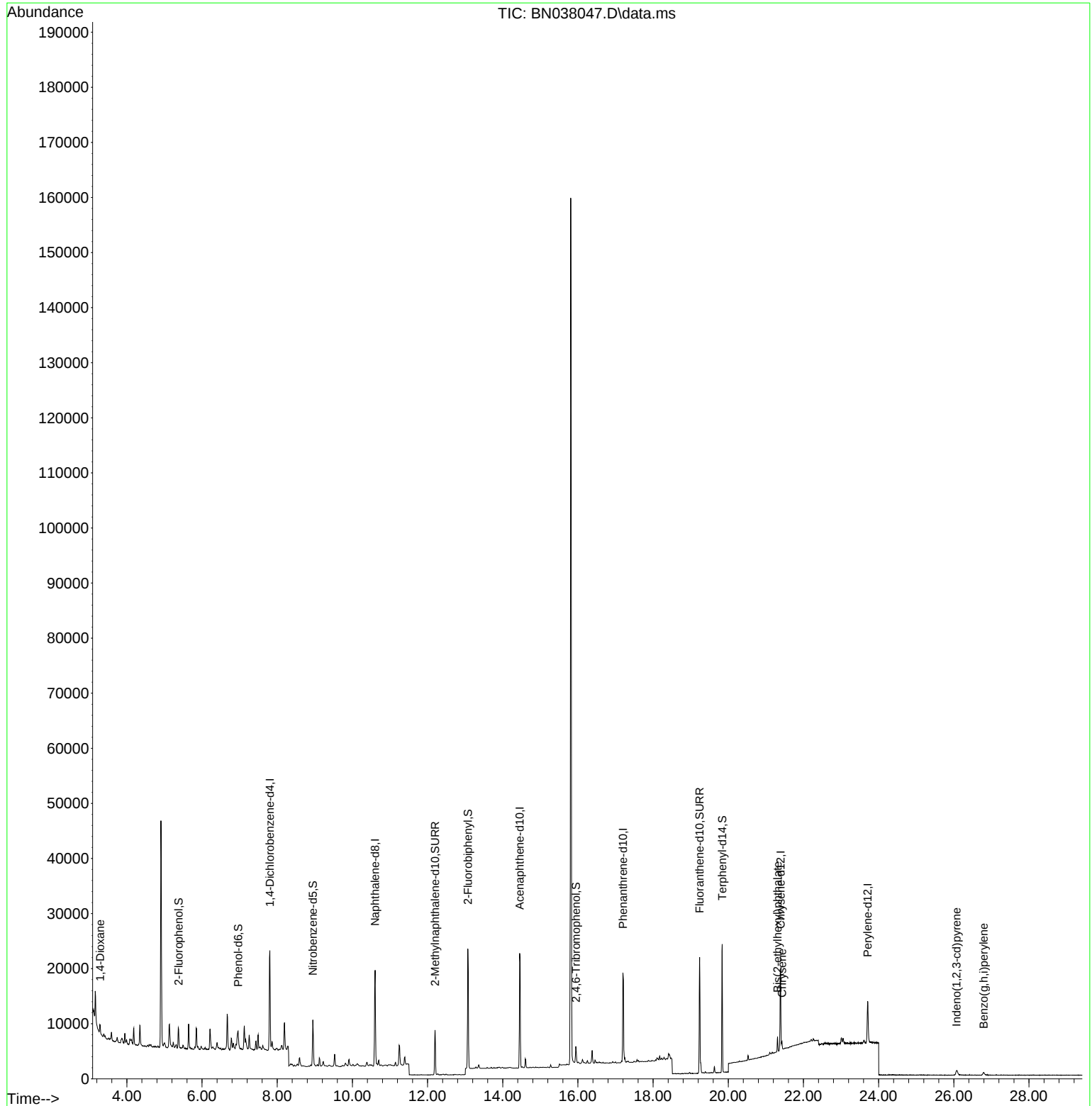
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.804	152	7914	0.400	ng	-0.02
7) Naphthalene-d8	10.605	136	22866	0.400	ng	-0.02
13) Acenaphthene-d10	14.452	164	12377	0.400	ng	-0.02
19) Phenanthrene-d10	17.198	188	24052	0.400	ng	#-0.02
29) Chrysene-d12	21.393	240	13934	0.400	ng	0.00
35) Perylene-d12	23.709	264	10696	0.400	ng	#-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.377	112	2864	0.159	ng	0.00
5) Phenol-d6	6.959	99	2376	0.100	ng	-0.01
8) Nitrobenzene-d5	8.950	82	6210	0.356	ng	-0.02
11) 2-Methylnaphthalene-d10	12.197	152	10942	0.344	ng	-0.02
14) 2,4,6-Tribromophenol	15.945	330	1637	0.349	ng	-0.02
15) 2-Fluorobiphenyl	13.073	172	18912	0.373	ng	-0.02
27) Fluoranthene-d10	19.239	212	23036	0.381	ng	-0.01
31) Terphenyl-d14	19.838	244	20900	0.753	ng	-0.01
Target Compounds						
2) 1,4-Dioxane	3.290	88	1097	0.137	ng	# 60
33) Chrysene	21.429	228	1196	0.023	ng	# 87
34) Bis(2-ethylhexyl)phtha...	21.313	149	2923	0.152	ng	# 97
36) Indeno(1,2,3-cd)pyrene	26.075	276	1214	0.025	ng	# 84
41) Benzo(g,h,i)perylene	26.794	276	1042	0.026	ng	# 57

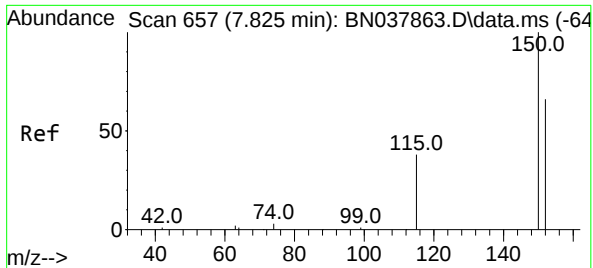
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100725\
Data File : BN038047.D
Acq On : 07 Oct 2025 15:41
Operator : RC/JU
Sample : Q3248-07
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BP-VPB-184-GW-660-662

Quant Time: Oct 07 17:11:44 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

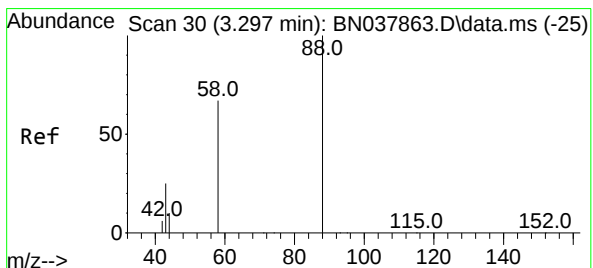
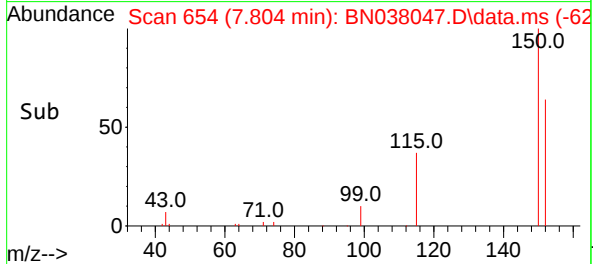
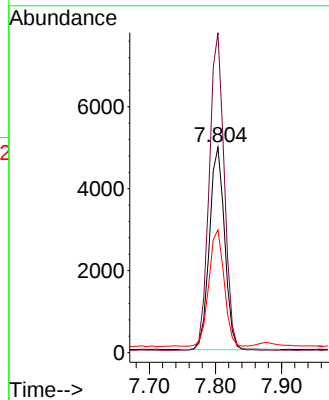
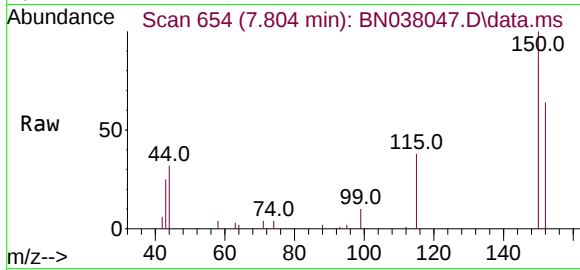




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.804 min Scan# 61
Delta R.T. -0.021 min
Lab File: BN038047.D
Acq: 07 Oct 2025 15:41

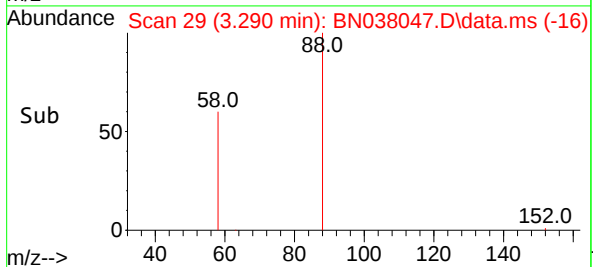
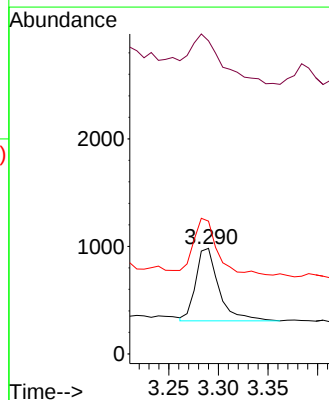
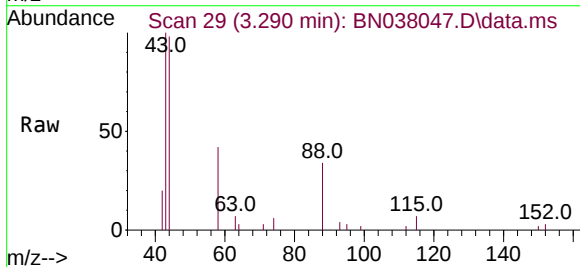
Instrument :
BNA_N
ClientSampleId :
BP-VPB-184-GW-660-662

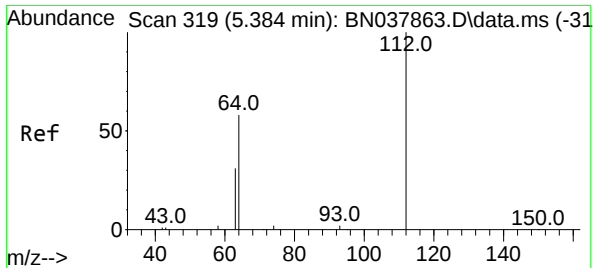
Tgt Ion:152 Resp: 7914
Ion Ratio Lower Upper
152 100
150 155.8 121.0 181.4
115 59.8 47.4 71.0



#2
1,4-Dioxane
Concen: 0.137 ng
RT: 3.290 min Scan# 29
Delta R.T. -0.007 min
Lab File: BN038047.D
Acq: 07 Oct 2025 15:41

Tgt Ion: 88 Resp: 1097
Ion Ratio Lower Upper
88 100
43 95.9 26.6 39.8#
58 79.9 58.9 88.3

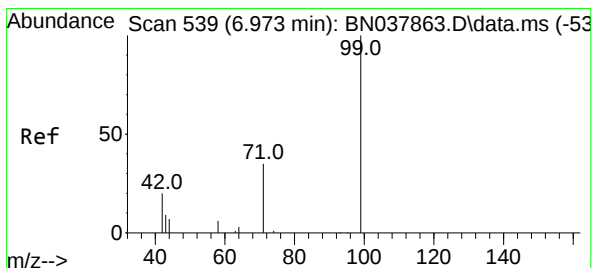
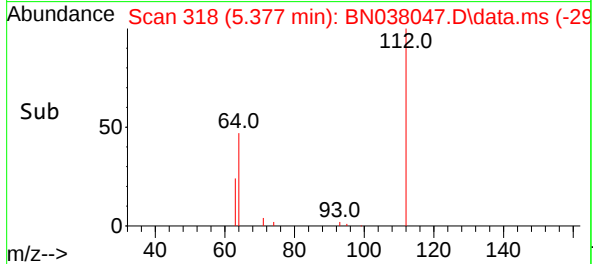
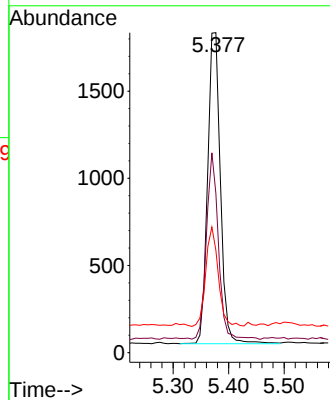
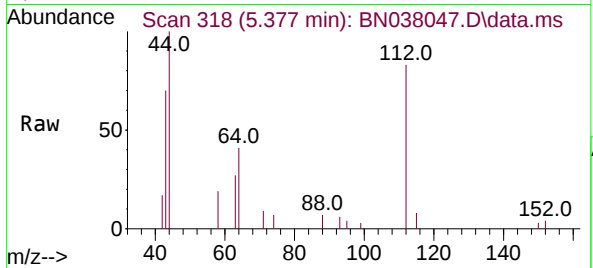




#4
2-Fluorophenol
Concen: 0.159 ng
RT: 5.377 min Scan# 31
Delta R.T. -0.007 min
Lab File: BN038047.D
Acq: 07 Oct 2025 15:41

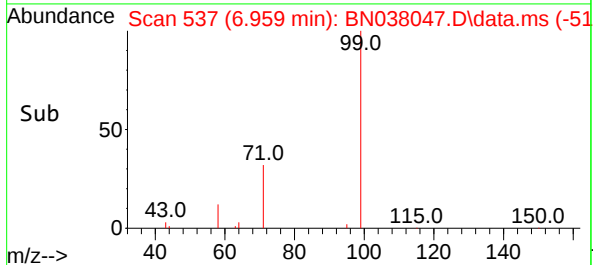
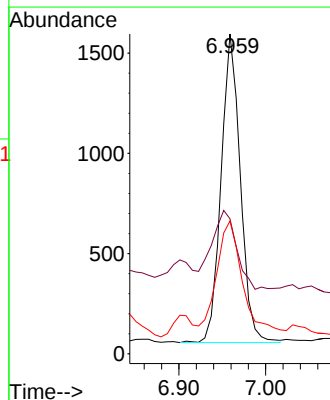
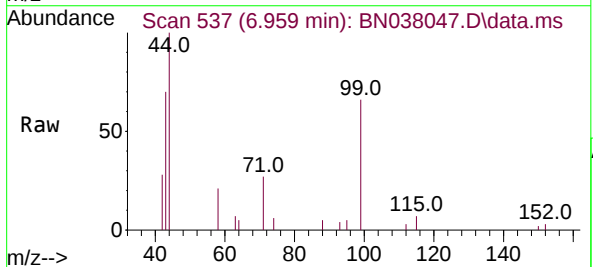
Instrument :
BNA_N
ClientSampleId :
BP-VPB-184-GW-660-662

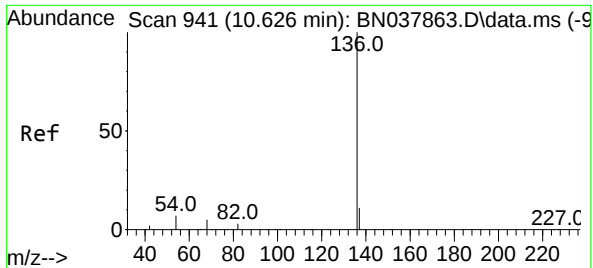
Tgt Ion:112 Resp: 2864
Ion Ratio Lower Upper
112 100
64 56.0 44.6 66.8
63 31.1 24.9 37.3



#5
Phenol-d6
Concen: 0.100 ng
RT: 6.959 min Scan# 537
Delta R.T. -0.014 min
Lab File: BN038047.D
Acq: 07 Oct 2025 15:41

Tgt Ion: 99 Resp: 2376
Ion Ratio Lower Upper
99 100
42 32.4 17.2 25.8#
71 48.9 27.3 40.9#

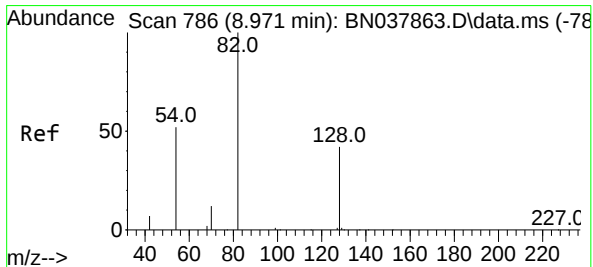
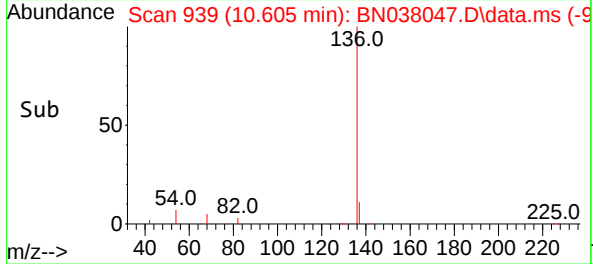
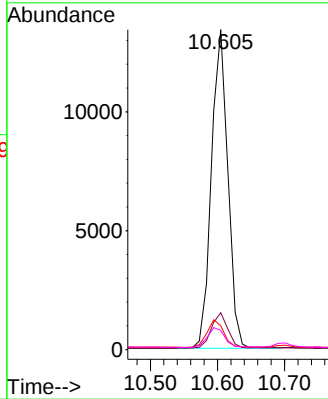
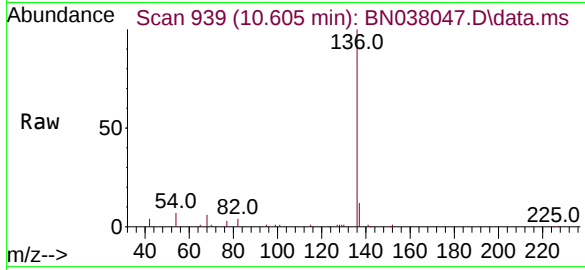




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.605 min Scan# 941
Delta R.T. -0.021 min
Lab File: BN038047.D
Acq: 07 Oct 2025 15:41

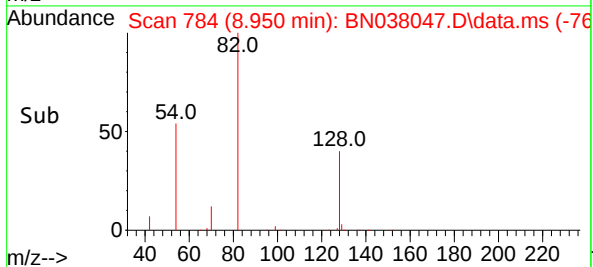
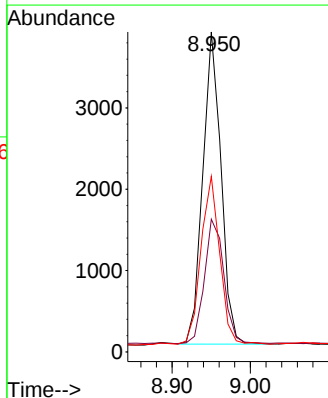
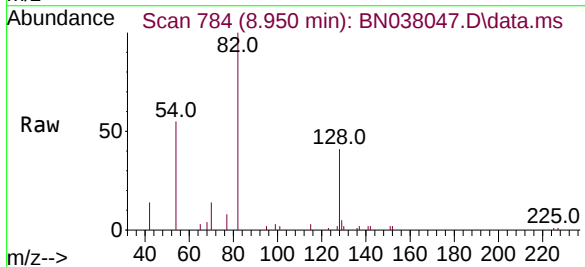
Instrument :
BNA_N
ClientSampleId :
BP-VPB-184-GW-660-662

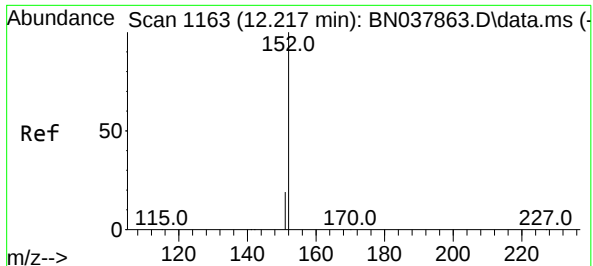
Tgt Ion:136	Resp:	22866
Ion Ratio	Lower	Upper
136	100	
137	11.5	9.0 13.4
54	7.4	5.8 8.8
68	6.0	4.3 6.5



#8
Nitrobenzene-d5
Concen: 0.356 ng
RT: 8.950 min Scan# 784
Delta R.T. -0.021 min
Lab File: BN038047.D
Acq: 07 Oct 2025 15:41

Tgt Ion: 82	Resp:	6210
Ion Ratio	Lower	Upper
82	100	
128	41.5	34.8 52.2
54	54.8	42.2 63.2

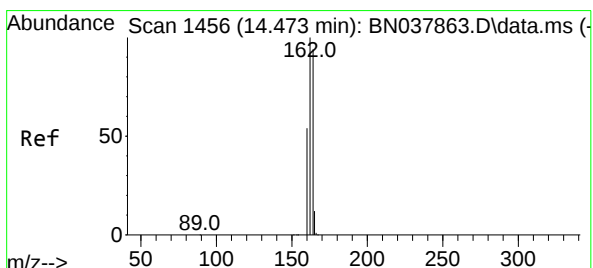
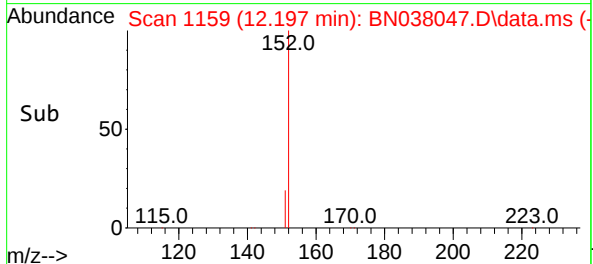
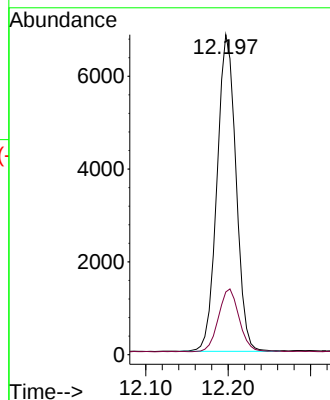
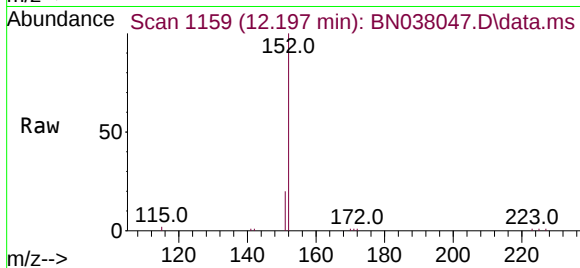




#11
2-Methylnaphthalene-d10
Concen: 0.344 ng
RT: 12.197 min Scan# 1163
Delta R.T. -0.020 min
Lab File: BN038047.D
Acq: 07 Oct 2025 15:41

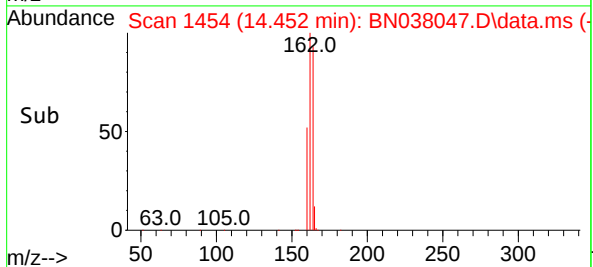
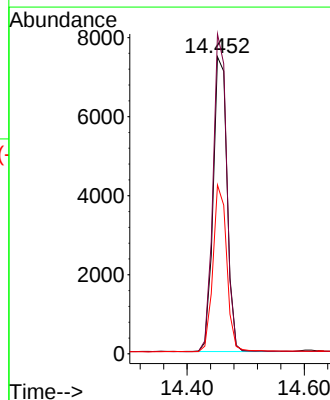
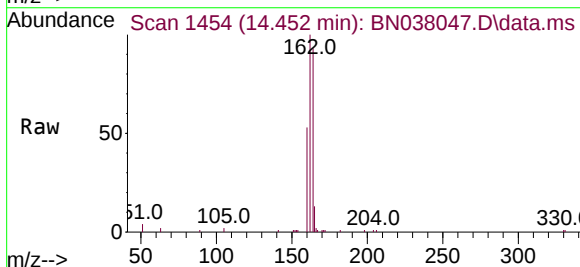
Instrument :
BNA_N
ClientSampleId :
BP-VPB-184-GW-660-662

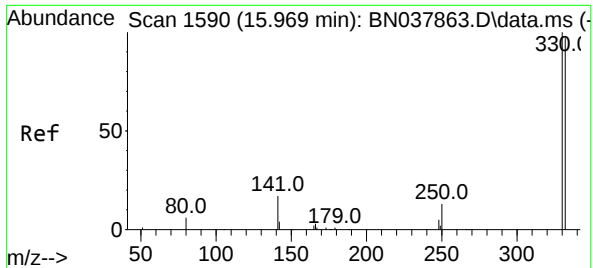
Tgt Ion:152 Resp: 10942
Ion Ratio Lower Upper
152 100
151 21.5 17.4 26.2



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.452 min Scan# 1454
Delta R.T. -0.021 min
Lab File: BN038047.D
Acq: 07 Oct 2025 15:41

Tgt Ion:164 Resp: 12377
Ion Ratio Lower Upper
164 100
162 107.7 84.8 127.2
160 56.8 46.1 69.1





#14

2,4,6-Tribromophenol

Concen: 0.349 ng

RT: 15.945 min Scan# 1588

Delta R.T. -0.024 min

Lab File: BN038047.D

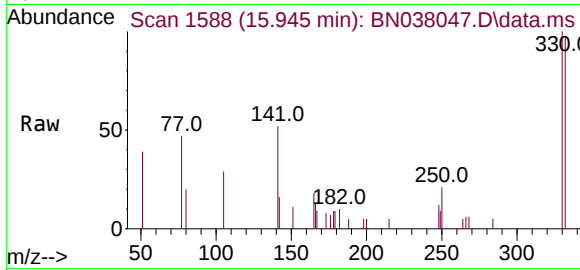
Acq: 07 Oct 2025 15:41

Instrument :

BNA_N

ClientSampleId :

BP-VPB-184-GW-660-662



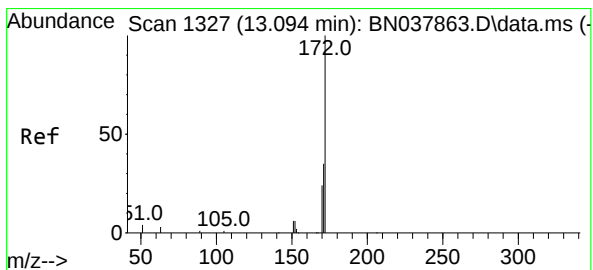
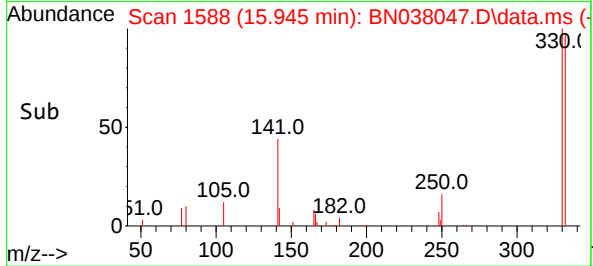
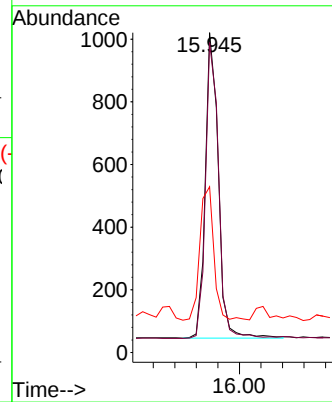
Tgt Ion:330 Resp: 1637

Ion Ratio Lower Upper

330 100

332 96.9 77.2 115.8

141 46.5 37.2 55.8



#15

2-Fluorobiphenyl

Concen: 0.373 ng

RT: 13.073 min Scan# 1325

Delta R.T. -0.021 min

Lab File: BN038047.D

Acq: 07 Oct 2025 15:41

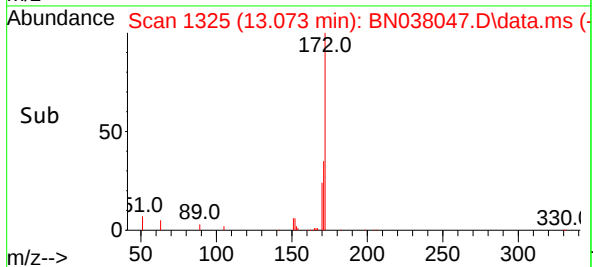
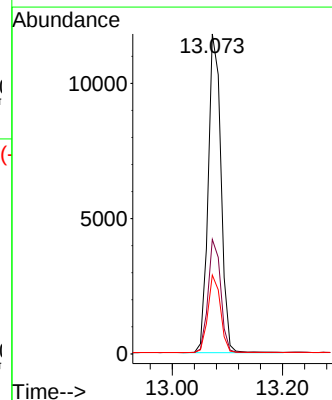
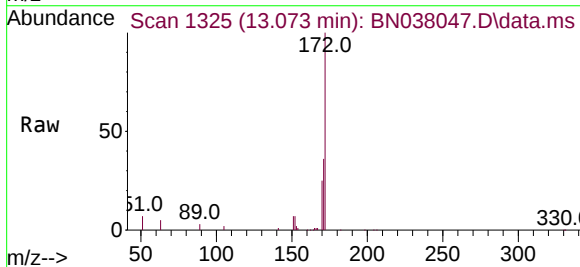
Tgt Ion:172 Resp: 18912

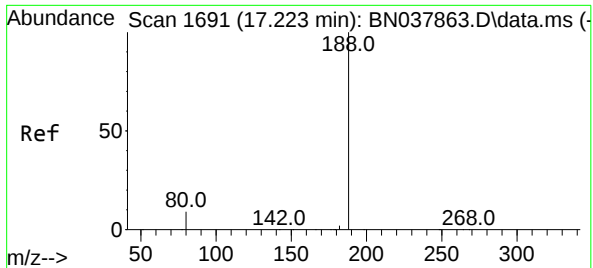
Ion Ratio Lower Upper

172 100

171 35.8 28.6 43.0

170 24.6 19.7 29.5





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.198 min Scan# 1689

Delta R.T. -0.025 min

Lab File: BN038047.D

Acq: 07 Oct 2025 15:41

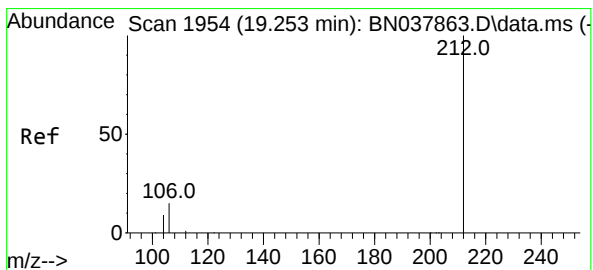
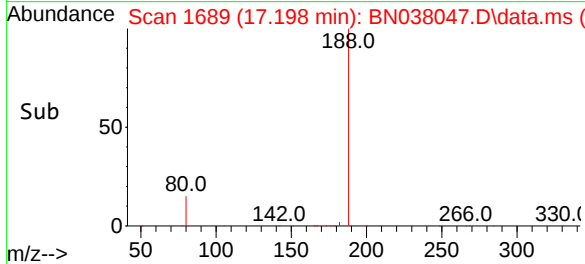
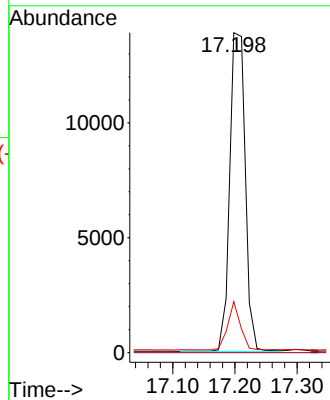
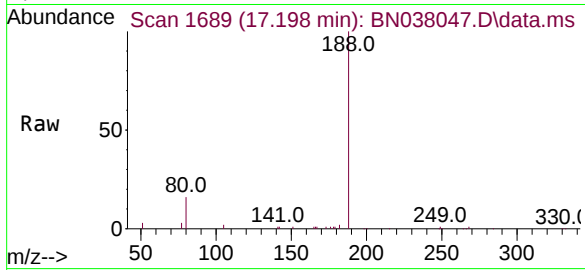
Instrument :

BNA_N

ClientSampleId :

BP-VPB-184-GW-660-662

Tgt Ion:	188	Resp:	24052
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	15.9	7.6	11.4#



#27

Fluoranthene-d10

Concen: 0.381 ng

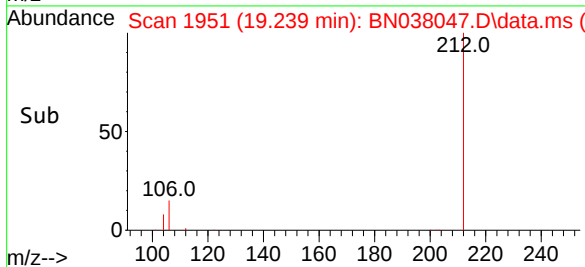
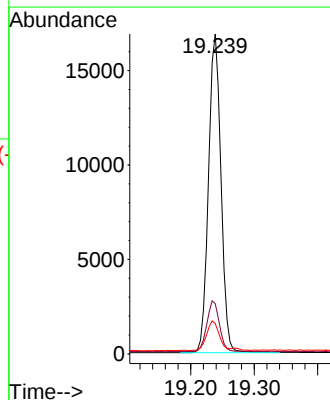
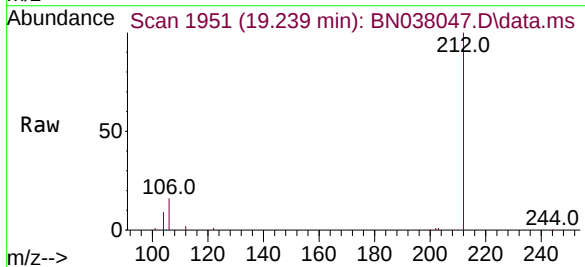
RT: 19.239 min Scan# 1951

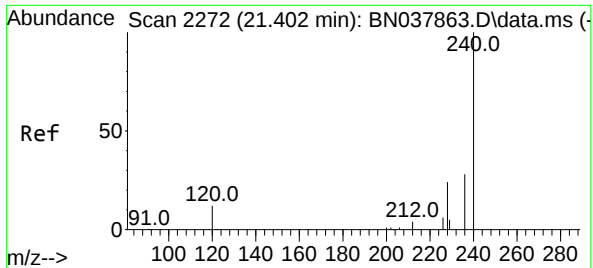
Delta R.T. -0.014 min

Lab File: BN038047.D

Acq: 07 Oct 2025 15:41

Tgt Ion:	212	Resp:	23036
Ion Ratio	Lower	Upper	
212	100		
106	16.0	12.6	19.0
104	9.4	7.4	11.0

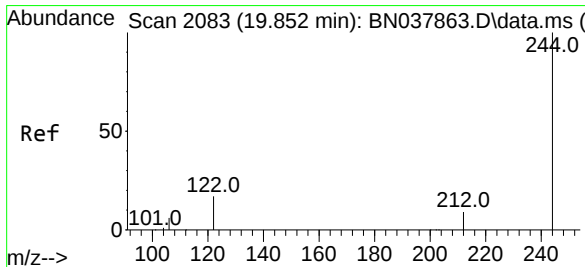
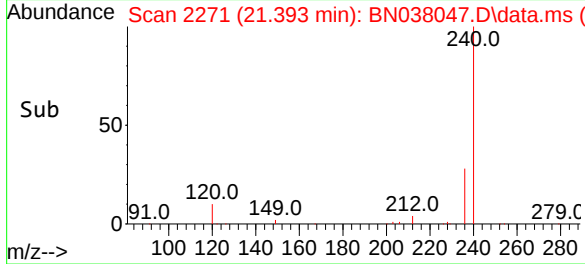
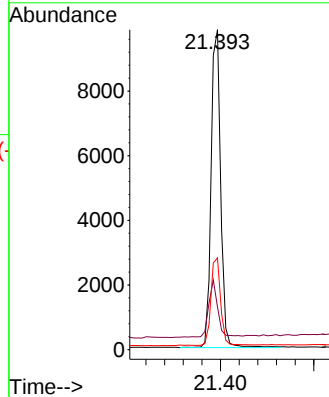
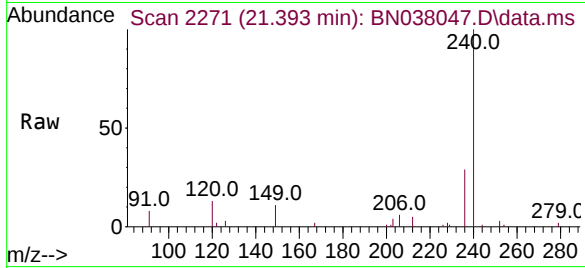




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.393 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN038047.D
Acq: 07 Oct 2025 15:41

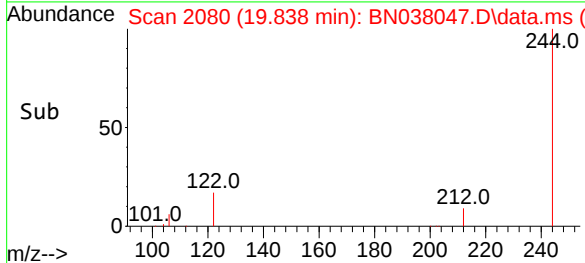
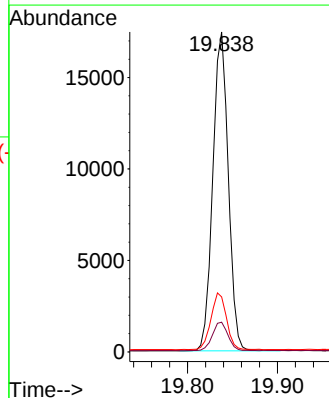
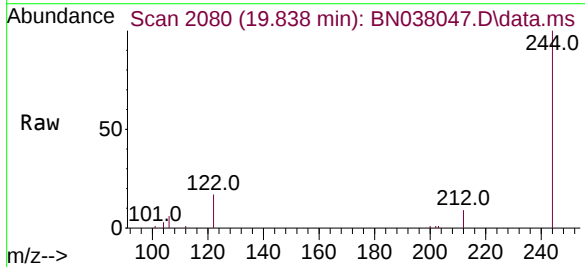
Instrument :
BNA_N
ClientSampleId :
BP-VPB-184-GW-660-662

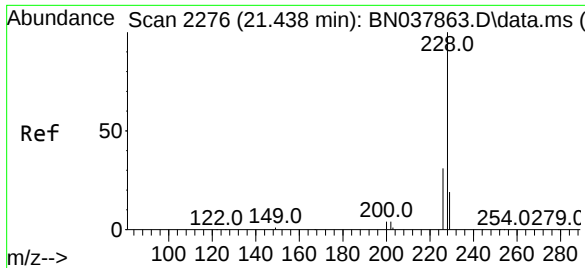
Tgt Ion:	240	Resp:	13934
Ion Ratio	Lower	Upper	
240	100		
120	13.3	11.4	17.2
236	28.7	23.0	34.6



#31
Terphenyl-d14
Concen: 0.753 ng
RT: 19.838 min Scan# 2080
Delta R.T. -0.014 min
Lab File: BN038047.D
Acq: 07 Oct 2025 15:41

Tgt Ion:	244	Resp:	20900
Ion Ratio	Lower	Upper	
244	100		
212	9.3	7.6	11.4
122	17.2	13.9	20.9

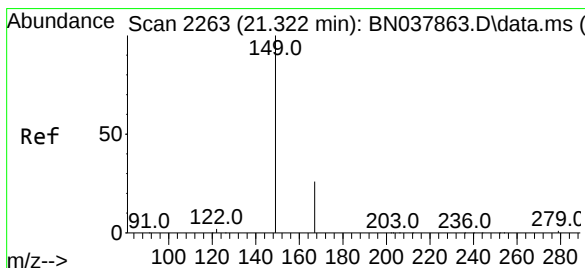
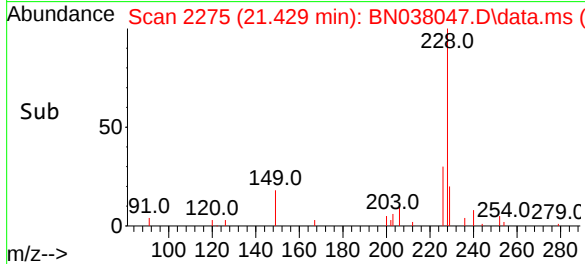
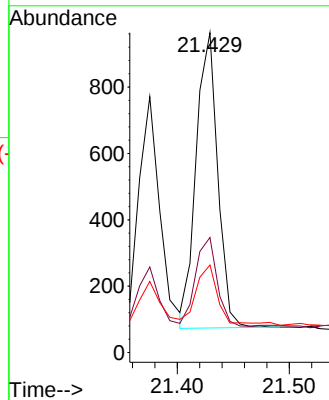
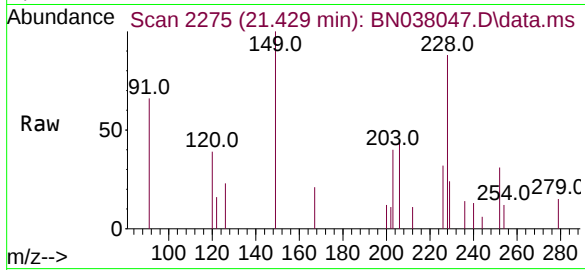




#33
Chrysene
Concen: 0.023 ng
RT: 21.429 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN038047.D
Acq: 07 Oct 2025 15:41

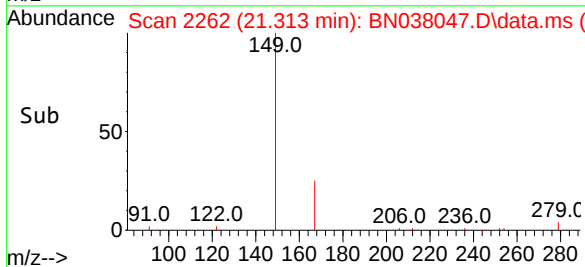
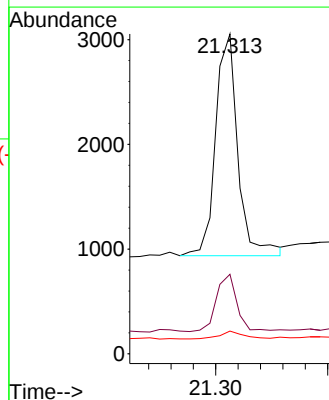
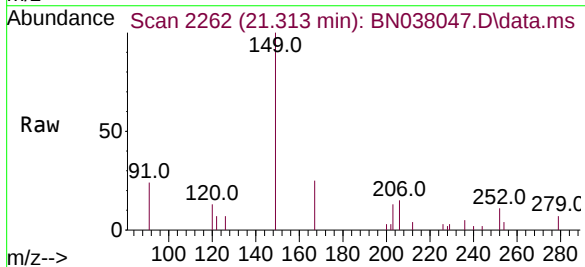
Instrument :
BNA_N
ClientSampleId :
BP-VPB-184-GW-660-662

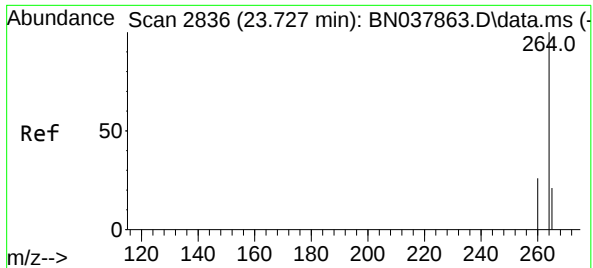
Tgt Ion	Ratio	Lower	Upper
228	100		
226	36.0	24.6	37.0
229	27.4	15.6	23.4#



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.152 ng
RT: 21.313 min Scan# 2262
Delta R.T. -0.009 min
Lab File: BN038047.D
Acq: 07 Oct 2025 15:41

Tgt Ion	Ratio	Lower	Upper
149	100		
167	23.7	20.4	30.6
279	3.8	2.4	3.6#

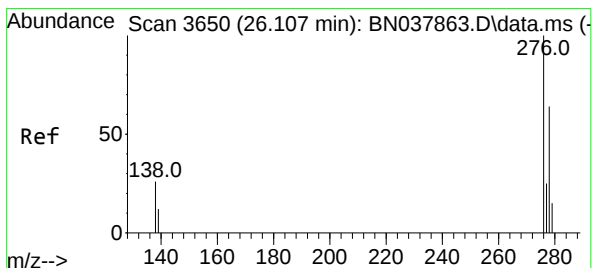
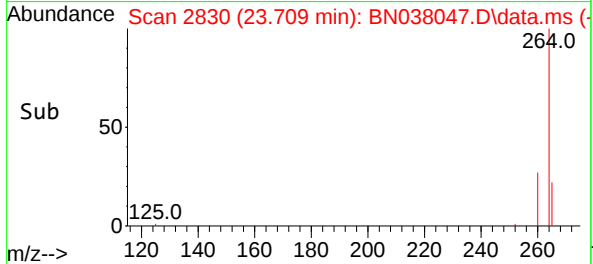
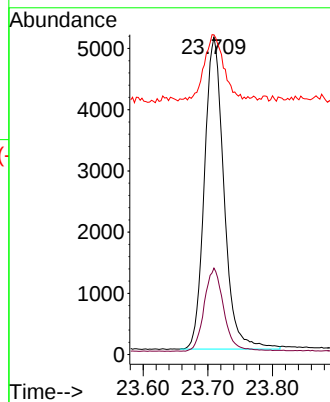
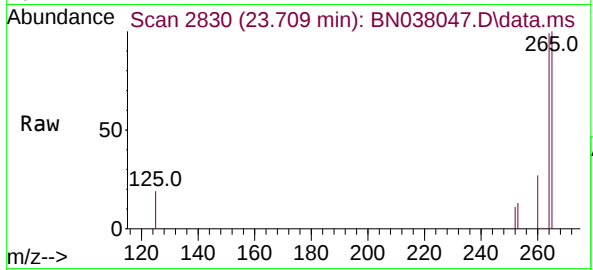




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.709 min Scan# 2830
Delta R.T. -0.018 min
Lab File: BN038047.D
Acq: 07 Oct 2025 15:41

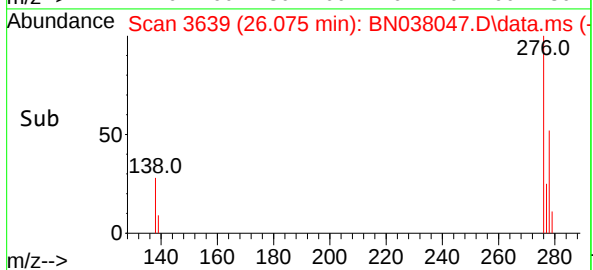
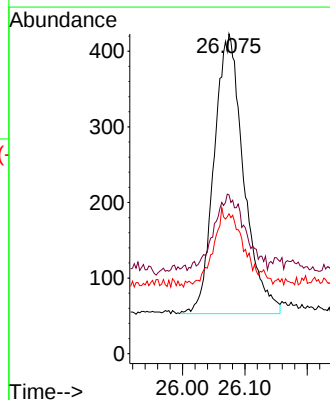
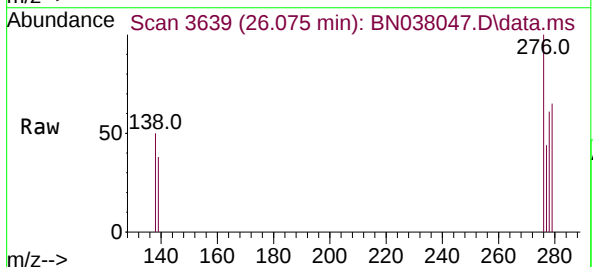
Instrument :
BNA_N
ClientSampleId :
BP-VPB-184-GW-660-662

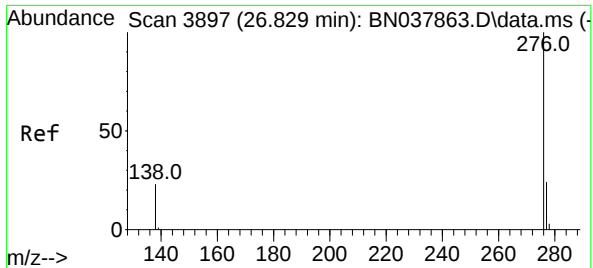
Tgt Ion:264	Resp:	10696
Ion Ratio	Lower	Upper
264	100	
260	27.3	21.5 32.3
265	100.8	53.8 80.6#



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.025 ng
RT: 26.075 min Scan# 3639
Delta R.T. -0.032 min
Lab File: BN038047.D
Acq: 07 Oct 2025 15:41

Tgt Ion:276	Resp:	1214
Ion Ratio	Lower	Upper
276	100	
138	28.4	21.4 32.0
277	10.7	20.3 30.5#





#41

Benzo(g,h,i)perylene

Concen: 0.026 ng

RT: 26.794 min Scan# 38

Delta R.T. -0.035 min

Lab File: BN038047.D

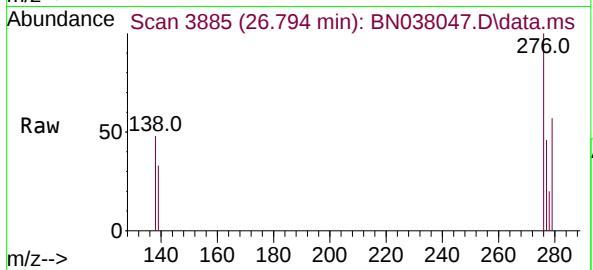
Acq: 07 Oct 2025 15:41

Instrument :

BNA_N

ClientSampleId :

BP-VPB-184-GW-660-662



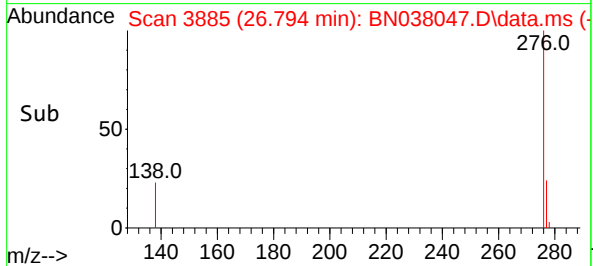
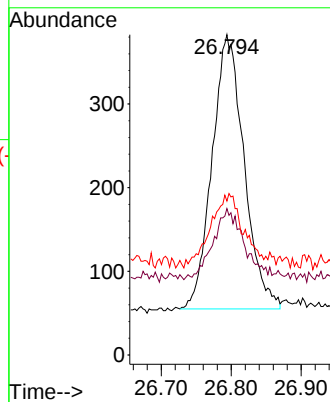
Tgt Ion:276 Resp: 1042

Ion Ratio Lower Upper

276 100

277 45.7 20.2 30.4#

138 48.0 19.8 29.8#





CALIBRATION SUMMARY

1
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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) SURR2	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

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

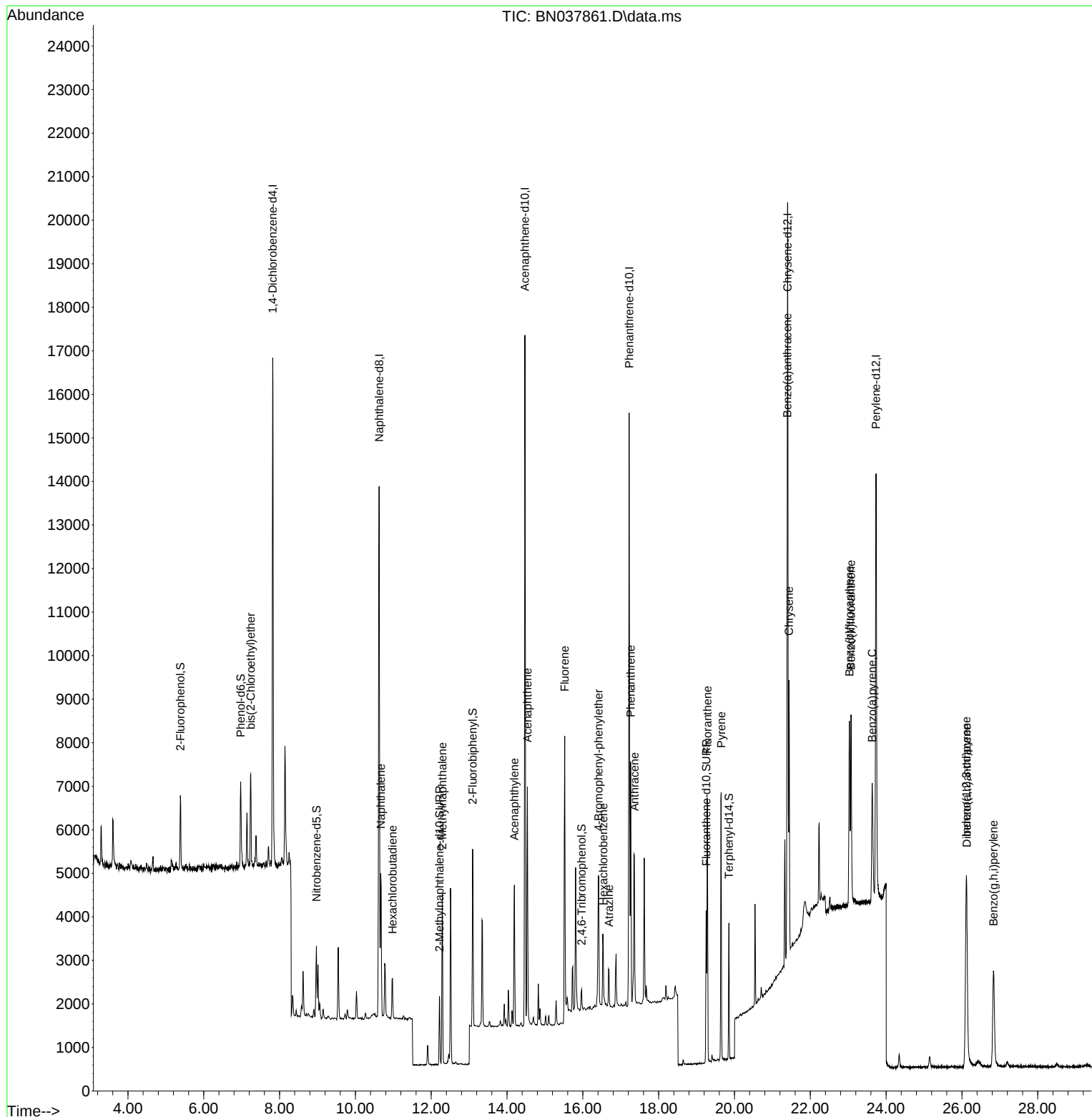
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.818	152	5856	0.400	ng	0.00
7) Naphthalene-d8	10.626	136	16223	0.400	ng	0.00
13) Acenaphthene-d10	14.473	164	8379	0.400	ng	0.00
19) Phenanthrene-d10	17.223	188	17197	0.400	ng	0.00
29) Chrysene-d12	21.402	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						
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

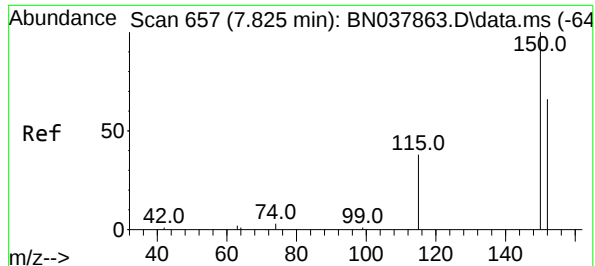
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BN037861.D
Acq On : 23 Sep 2025 12:13
Operator : RC/JU
Sample : SSTDICC0.1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

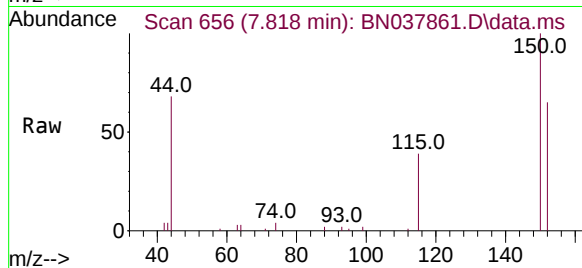
Quant Time: Sep 23 16:21:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 23 16:17:53 2025
Response via : Initial Calibration



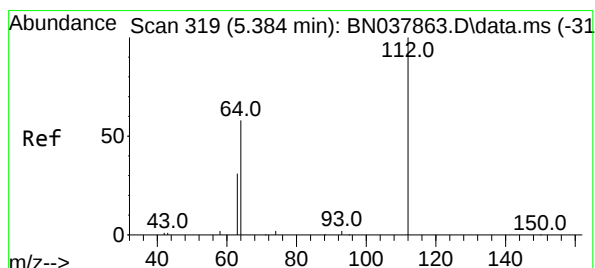
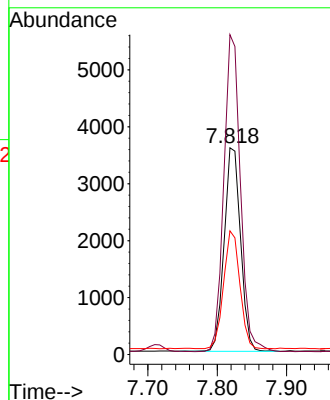
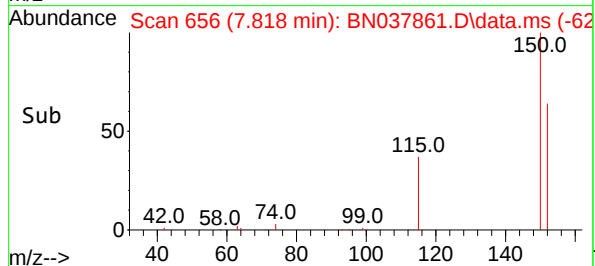


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.818 min Scan# 61
Delta R.T. -0.007 min
Lab File: BN037861.D
Acq: 23 Sep 2025 12:13

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

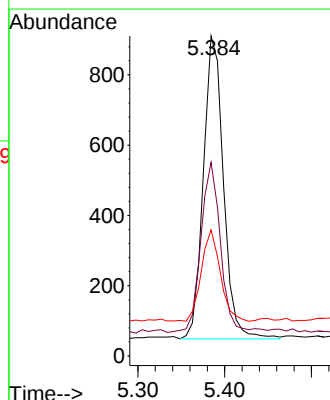
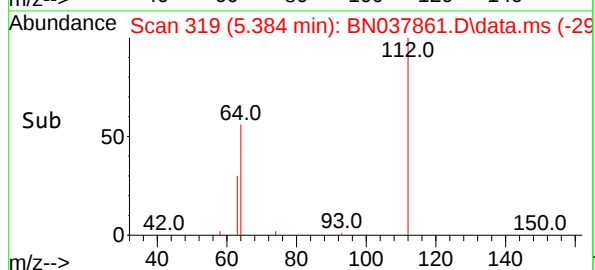
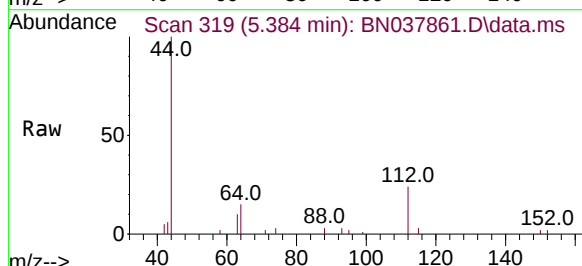


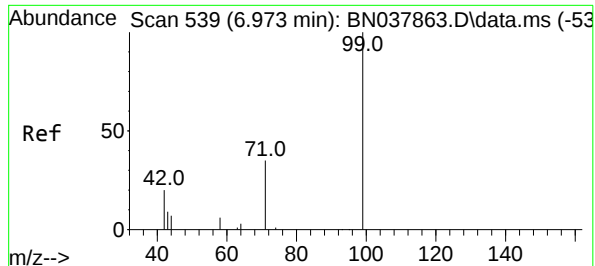
Tgt Ion:152 Resp: 5856
Ion Ratio Lower Upper
152 100
150 154.8 121.0 181.4
115 59.9 47.4 71.0



#4
2-Fluorophenol
Concen: 0.103 ng
RT: 5.384 min Scan# 319
Delta R.T. -0.000 min
Lab File: BN037861.D
Acq: 23 Sep 2025 12:13

Tgt Ion:112 Resp: 1382
Ion Ratio Lower Upper
112 100
64 55.3 44.6 66.8
63 28.7 24.9 37.3

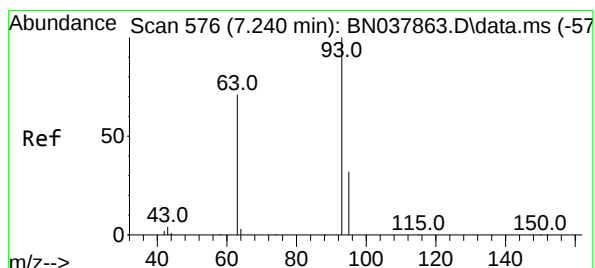
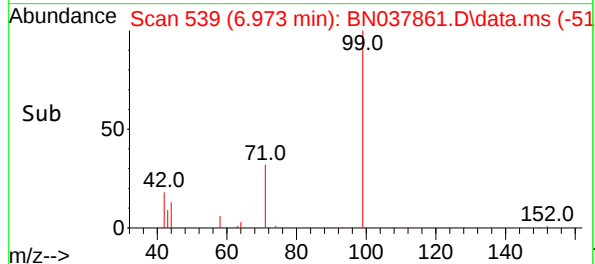
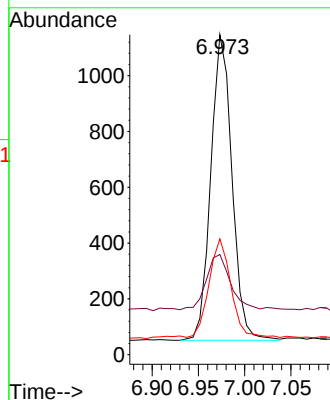
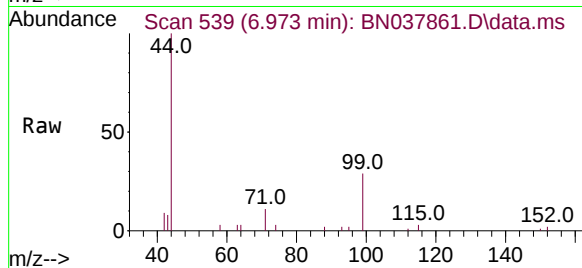




#5
Phenol-d6
Concen: 0.099 ng
RT: 6.973 min Scan# 539
Delta R.T. 0.000 min
Lab File: BN037861.D
Acq: 23 Sep 2025 12:13

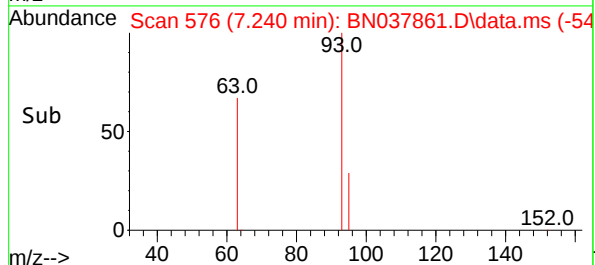
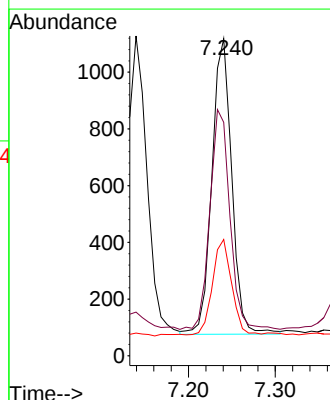
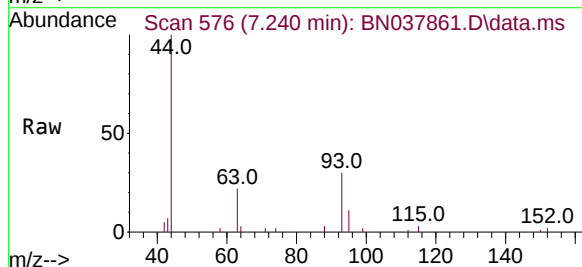
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

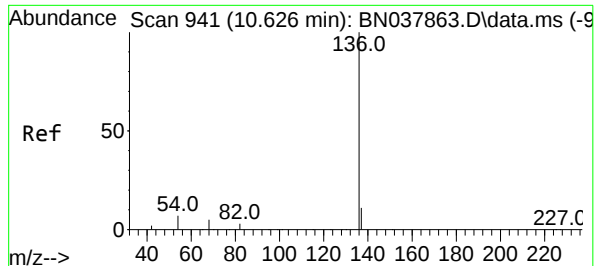
Tgt Ion:	99	Resp:	1742
Ion	Ratio	Lower	Upper
99	100		
42	21.0	17.2	25.8
71	33.5	27.3	40.9



#6
bis(2-Chloroethyl)ether
Concen: 0.102 ng
RT: 7.240 min Scan# 576
Delta R.T. 0.000 min
Lab File: BN037861.D
Acq: 23 Sep 2025 12:13

Tgt Ion:	93	Resp:	1658
Ion	Ratio	Lower	Upper
93	100		
63	75.2	60.1	90.1
95	31.0	25.4	38.2

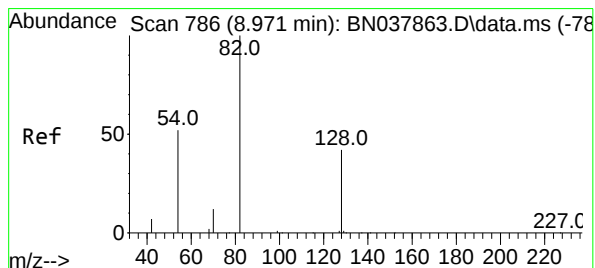
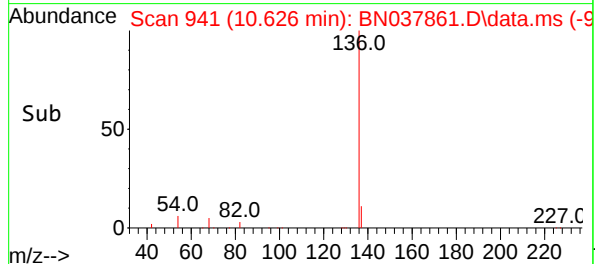
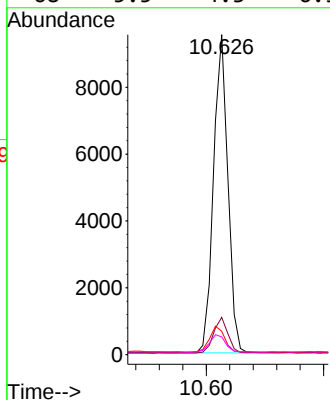
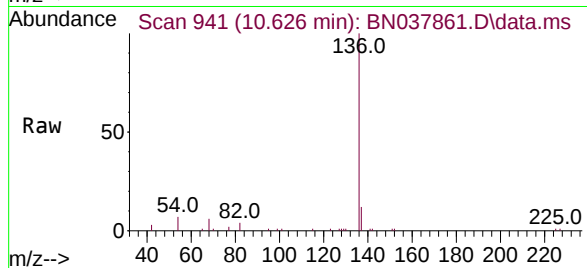




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.626 min Scan# 941
Delta R.T. 0.000 min
Lab File: BN037861.D
Acq: 23 Sep 2025 12:13

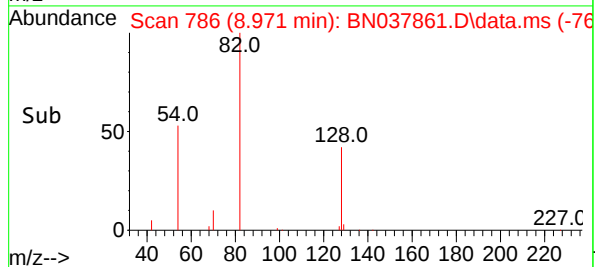
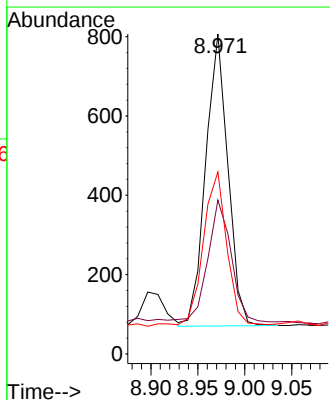
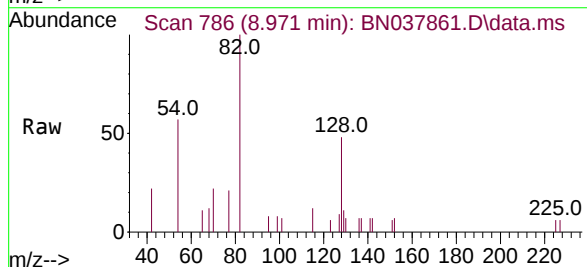
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

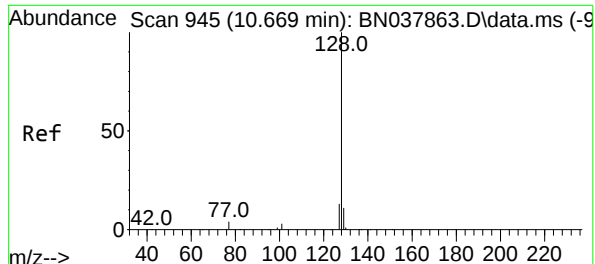
Tgt Ion:136	Resp:	16223
Ion Ratio	Lower	Upper
136	100	
137	11.6	9.0 13.4
54	7.3	5.8 8.8
68	5.5	4.3 6.5



#8
Nitrobenzene-d5
Concen: 0.098 ng
RT: 8.971 min Scan# 786
Delta R.T. -0.000 min
Lab File: BN037861.D
Acq: 23 Sep 2025 12:13

Tgt Ion: 82	Resp:	1212
Ion Ratio	Lower	Upper
82	100	
128	48.1	34.8 52.2
54	56.9	42.2 63.2





#9

Naphthalene

Concen: 0.100 ng

RT: 10.669 min Scan# 945

Delta R.T. 0.000 min

Lab File: BN037861.D

Acq: 23 Sep 2025 12:13

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

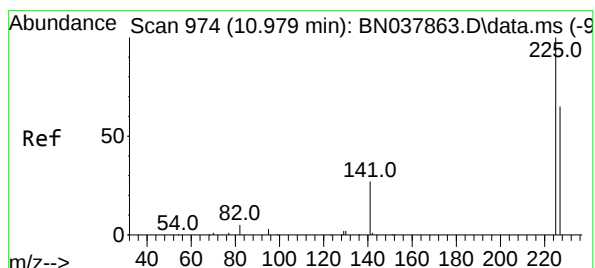
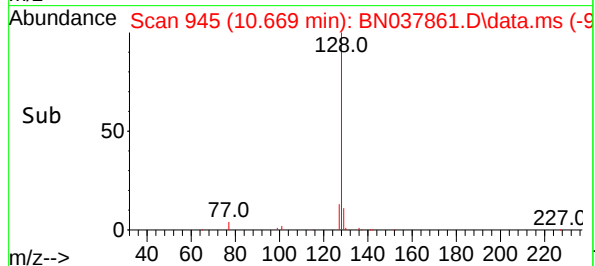
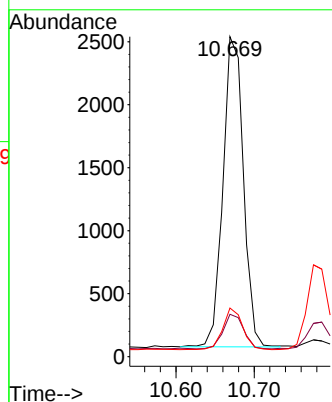
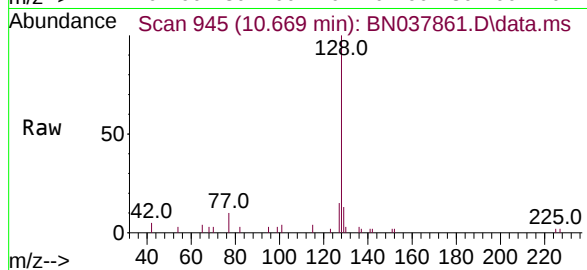
Tgt Ion:128 Resp: 4483

Ion Ratio Lower Upper

128 100

129 13.2 9.2 13.8

127 15.2 11.0 16.6



#10

Hexachlorobutadiene

Concen: 0.105 ng

RT: 10.979 min Scan# 974

Delta R.T. 0.000 min

Lab File: BN037861.D

Acq: 23 Sep 2025 12:13

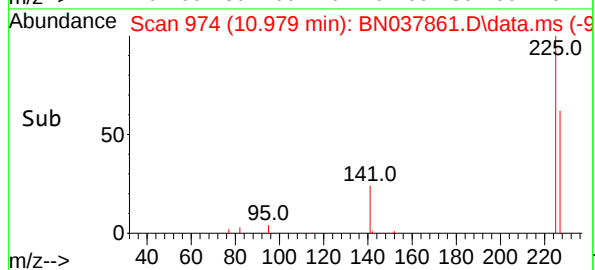
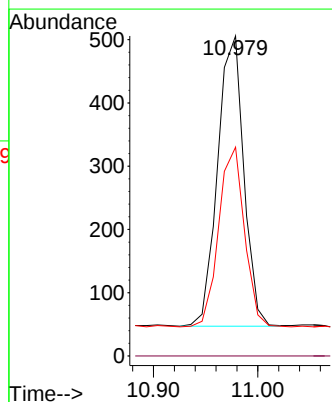
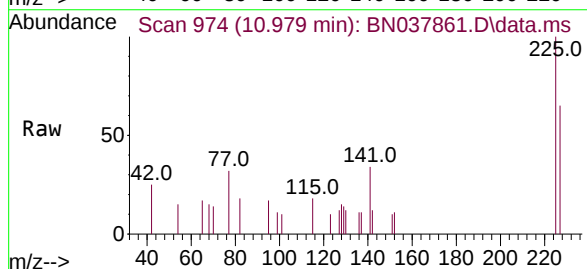
Tgt Ion:225 Resp: 802

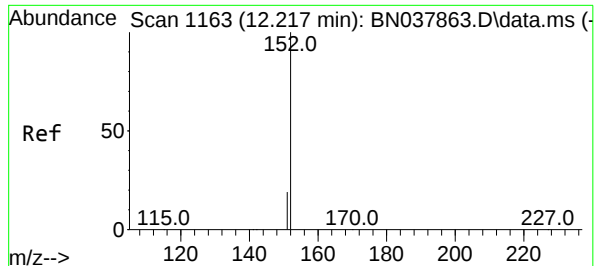
Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

227 60.8 51.4 77.2

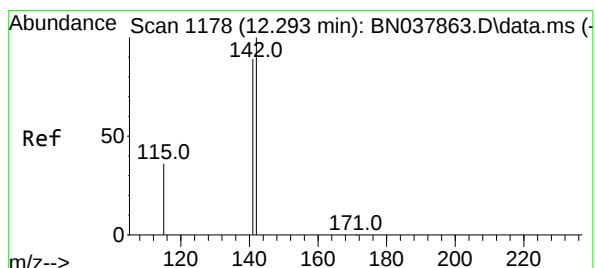
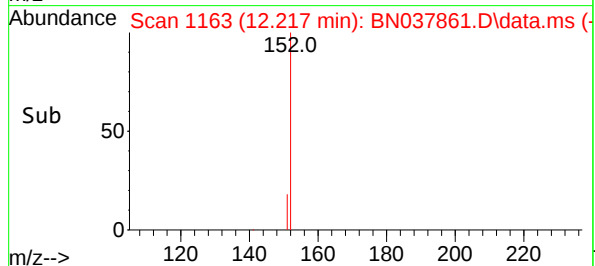
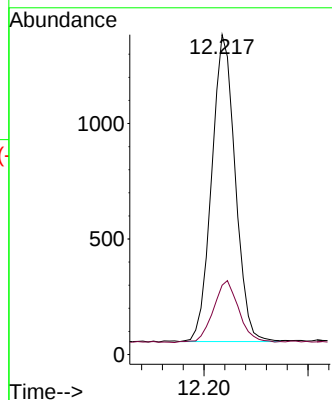
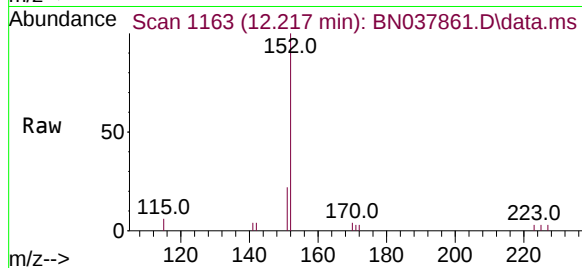




#11
2-Methylnaphthalene-d10
Concen: 0.093 ng
RT: 12.217 min Scan# 1163
Delta R.T. -0.000 min
Lab File: BN037861.D
Acq: 23 Sep 2025 12:13

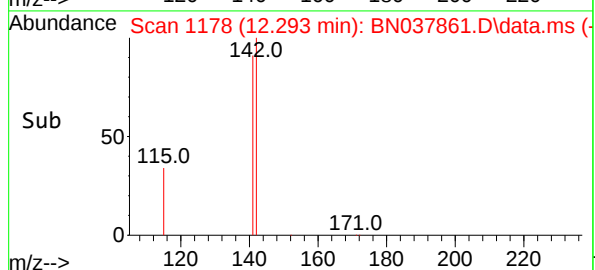
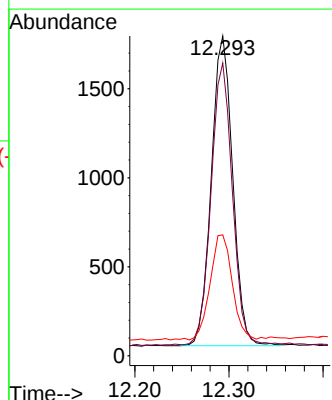
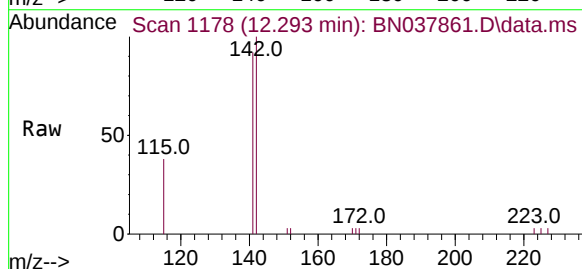
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

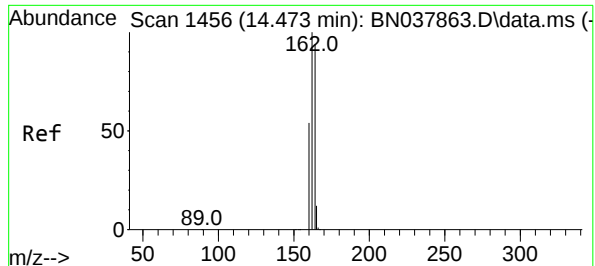
Tgt Ion:152 Resp: 2089
Ion Ratio Lower Upper
152 100
151 22.0 17.4 26.2



#12
2-Methylnaphthalene
Concen: 0.094 ng
RT: 12.293 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BN037861.D
Acq: 23 Sep 2025 12:13

Tgt Ion:142 Resp: 2749
Ion Ratio Lower Upper
142 100
141 91.5 71.2 106.8
115 37.8 29.7 44.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.473 min Scan# 1456

Delta R.T. -0.000 min

Lab File: BN037861.D

Acq: 23 Sep 2025 12:13

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

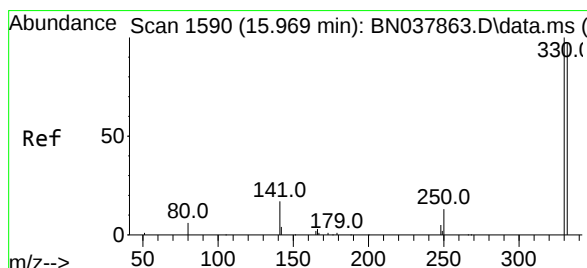
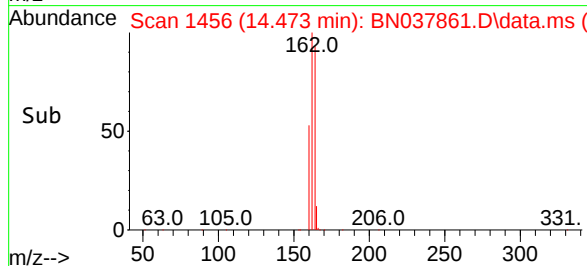
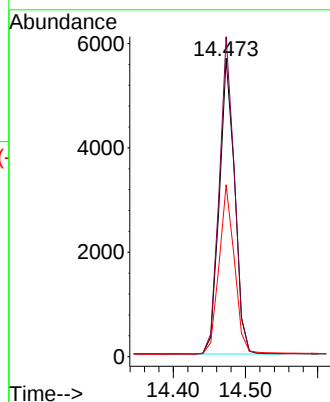
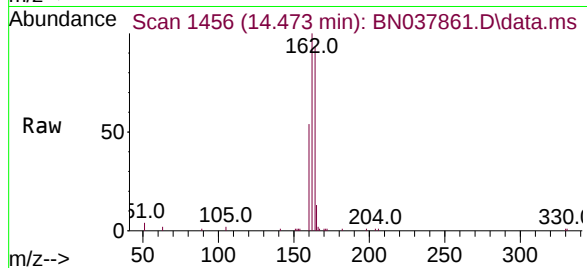
Tgt Ion:164 Resp: 8379

Ion	Ratio	Lower	Upper
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164	100		
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162	107.3	84.8	127.2
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160	57.6	46.1	69.1
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#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

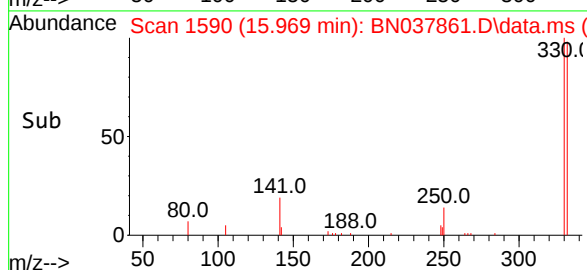
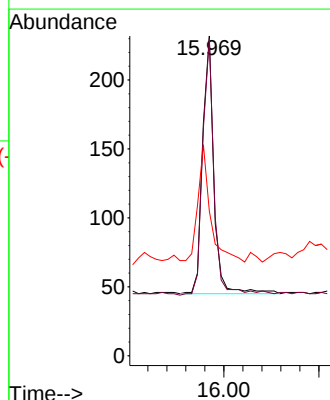
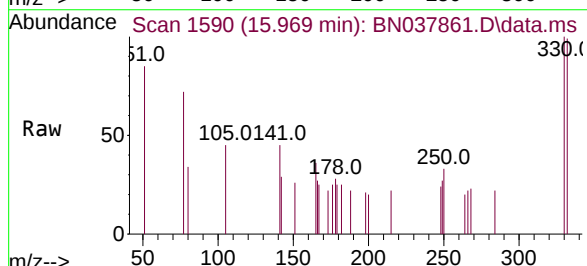
Tgt Ion:330 Resp: 309

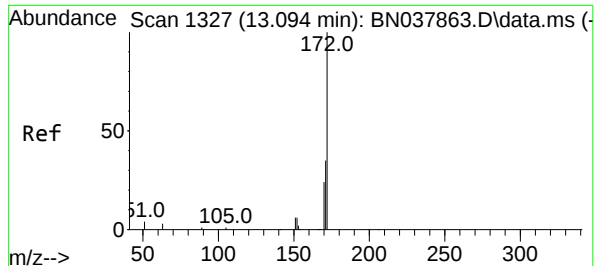
Ion	Ratio	Lower	Upper
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330	100		
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332	100.3	77.2	115.8
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141	50.8	37.2	55.8
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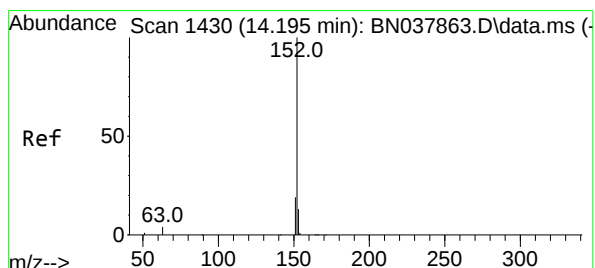
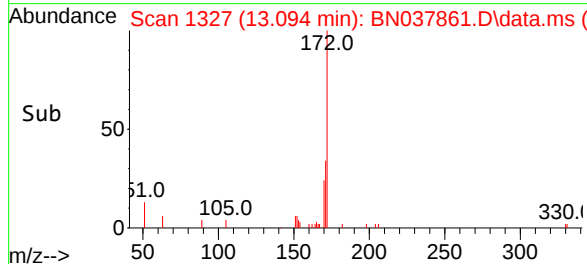
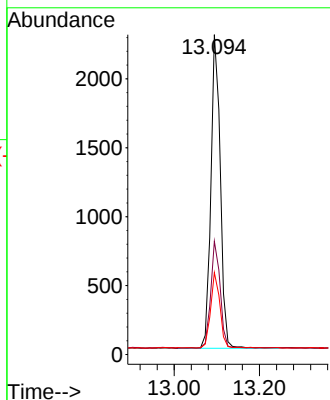
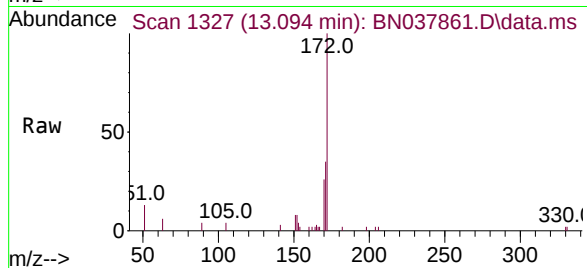




#15
2-Fluorobiphenyl
Concen: 0.101 ng
RT: 13.094 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BN037861.D
Acq: 23 Sep 2025 12:13

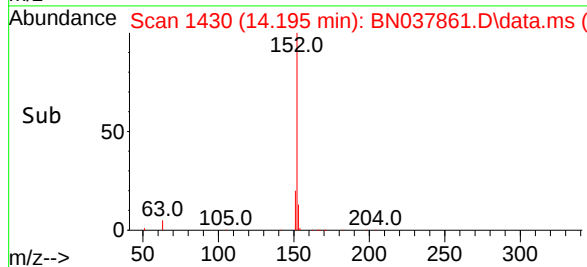
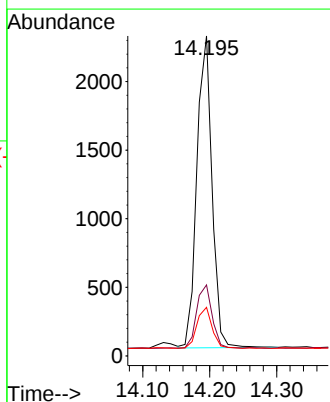
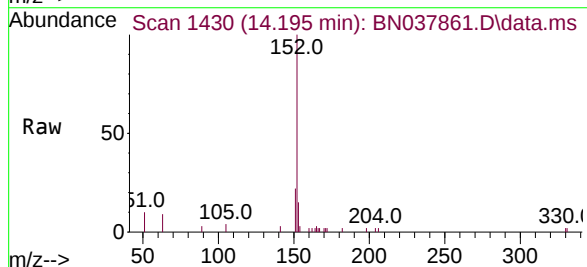
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

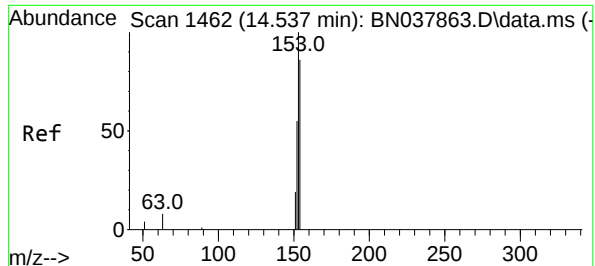
Tgt Ion:	172	Resp:	3478
Ion Ratio	Lower	Upper	
172	100		
171	35.4	28.6	43.0
170	25.6	19.7	29.5



#16
Acenaphthylene
Concen: 0.093 ng
RT: 14.195 min Scan# 1430
Delta R.T. -0.000 min
Lab File: BN037861.D
Acq: 23 Sep 2025 12:13

Tgt Ion:	152	Resp:	3557
Ion Ratio	Lower	Upper	
152	100		
151	21.2	15.8	23.8
153	13.2	10.5	15.7





#17

Acenaphthene

Concen: 0.098 ng

RT: 14.537 min Scan# 1462

Delta R.T. 0.000 min

Lab File: BN037861.D

Acq: 23 Sep 2025 12:13

Instrument :

BNA_N

ClientSampleId :

SSTDIC0.1

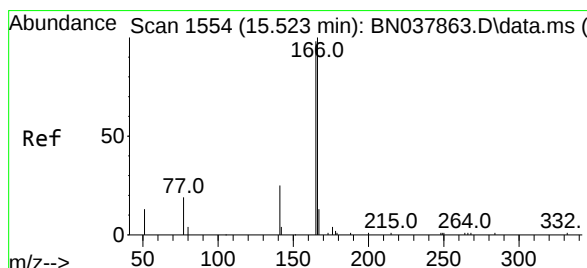
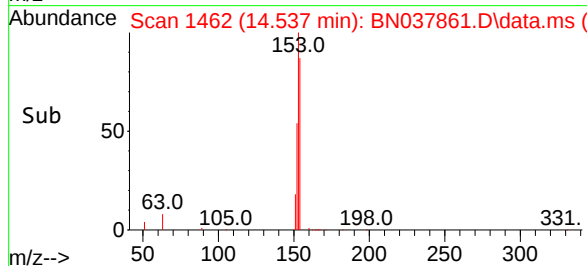
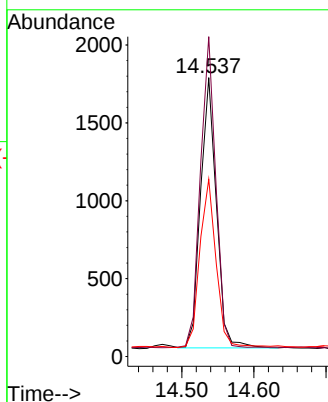
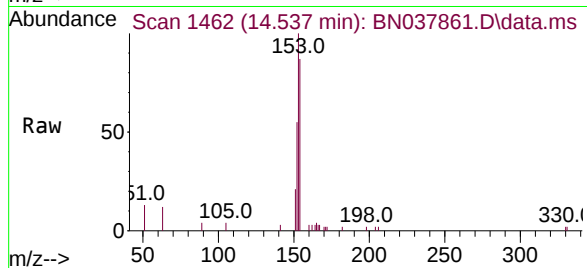
Tgt Ion:154 Resp: 2644

Ion Ratio Lower Upper

154 100

153 111.7 90.5 135.7

152 64.5 51.8 77.8



#18

Fluorene

Concen: 0.093 ng

RT: 15.523 min Scan# 1554

Delta R.T. -0.000 min

Lab File: BN037861.D

Acq: 23 Sep 2025 12:13

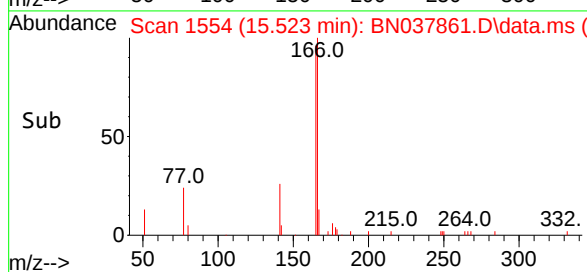
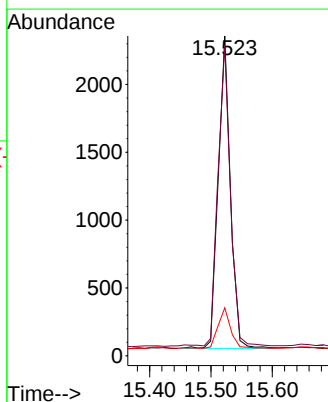
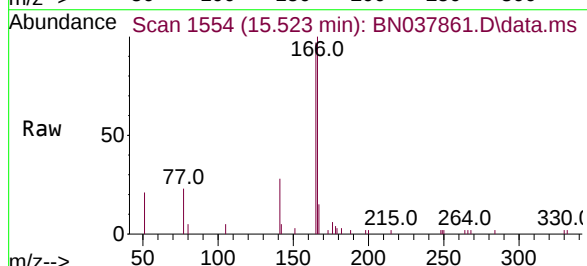
Tgt Ion:166 Resp: 3048

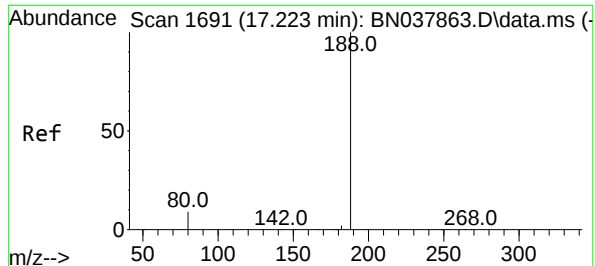
Ion Ratio Lower Upper

166 100

165 100.0 79.0 118.4

167 13.7 10.6 16.0





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.223 min Scan# 1691

Delta R.T. 0.000 min

Lab File: BN037861.D

Acq: 23 Sep 2025 12:13

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

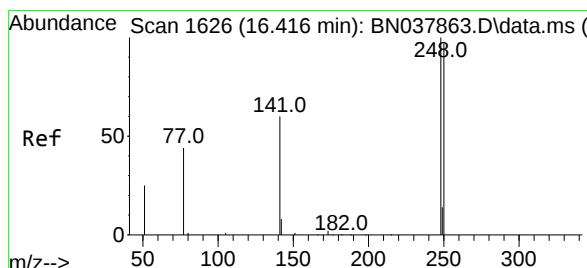
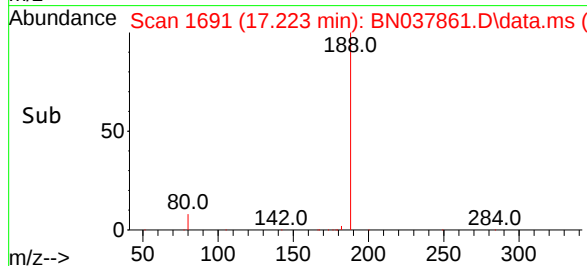
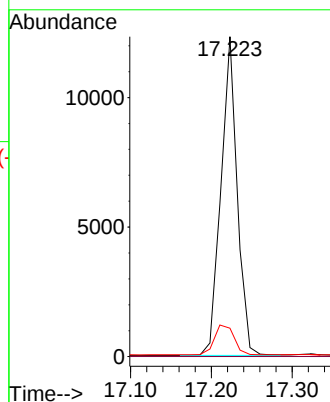
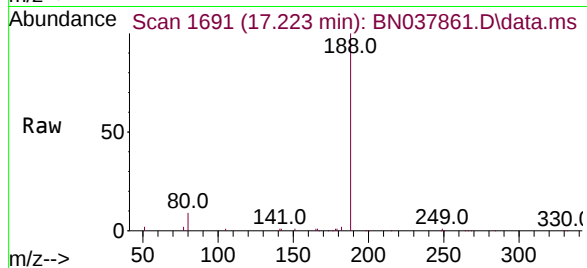
Tgt Ion:188 Resp: 17197

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 8.9 7.6 11.4



#21

4-Bromophenyl-phenylether

Concen: 0.097 ng

RT: 16.416 min Scan# 1626

Delta R.T. -0.000 min

Lab File: BN037861.D

Acq: 23 Sep 2025 12:13

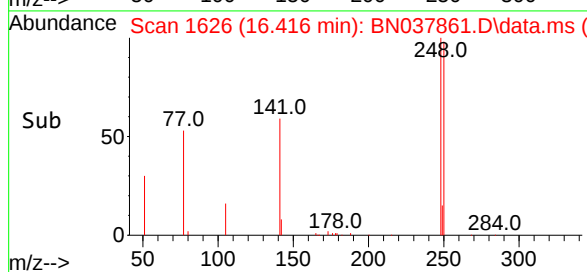
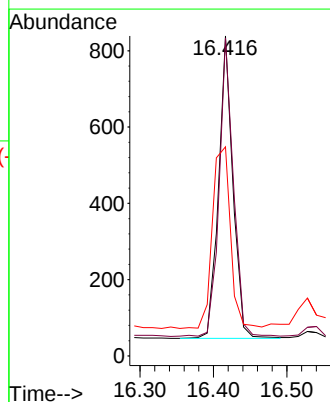
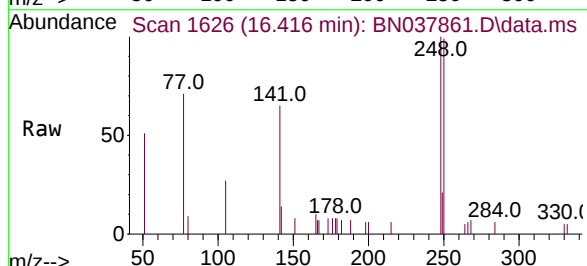
Tgt Ion:248 Resp: 1084

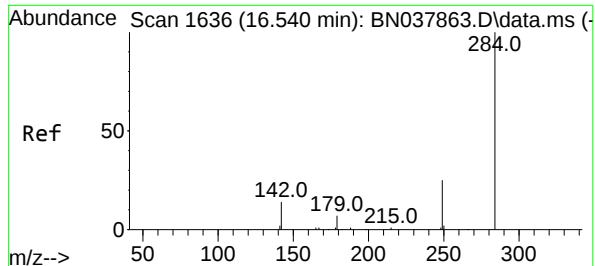
Ion Ratio Lower Upper

248 100

250 99.3 77.6 116.4

141 65.3 48.8 73.2





#22

Hexachlorobenzene

Concen: 0.100 ng

RT: 16.540 min Scan# 1636

Delta R.T. 0.000 min

Lab File: BN037861.D

Acq: 23 Sep 2025 12:13

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

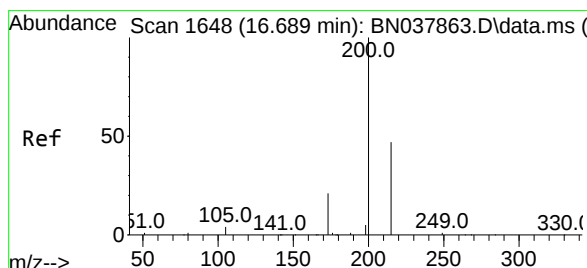
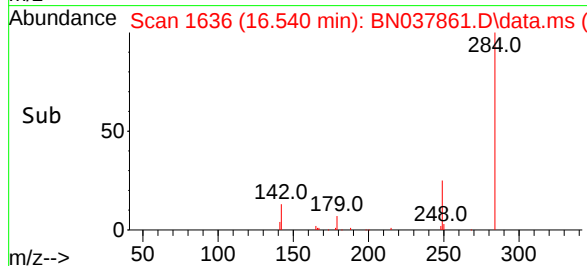
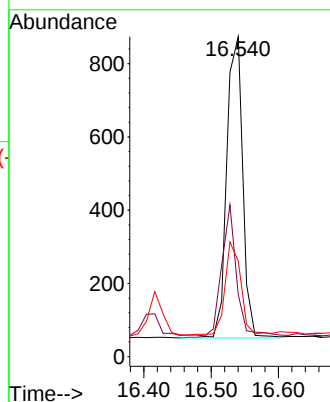
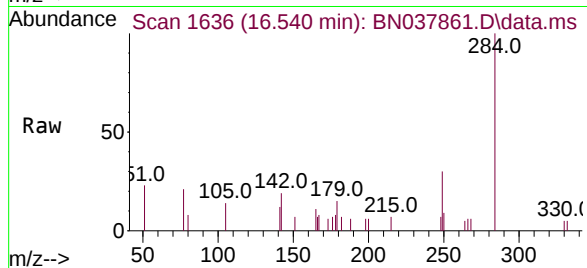
Tgt Ion:284 Resp: 1361

Ion Ratio Lower Upper

284 100

142 38.9 30.9 46.3

249 30.6 23.9 35.9



#23

Atrazine

Concen: 0.090 ng

RT: 16.689 min Scan# 1648

Delta R.T. 0.000 min

Lab File: BN037861.D

Acq: 23 Sep 2025 12:13

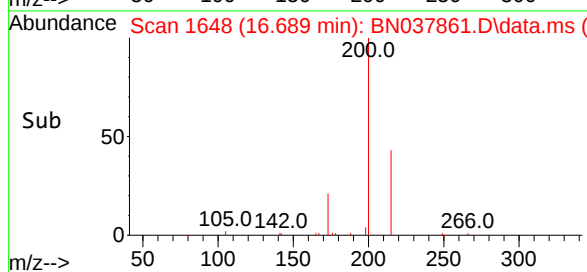
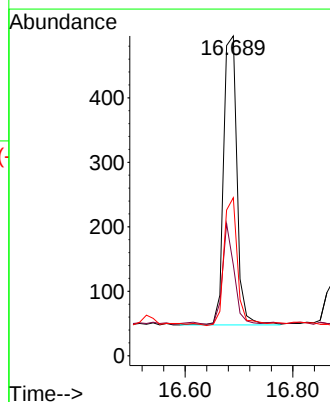
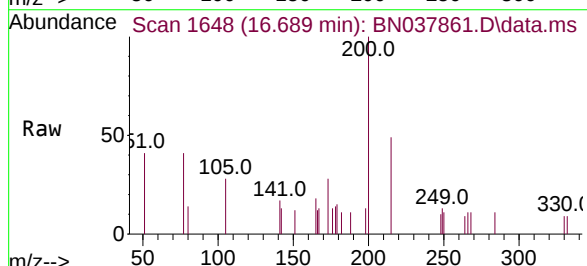
Tgt Ion:200 Resp: 772

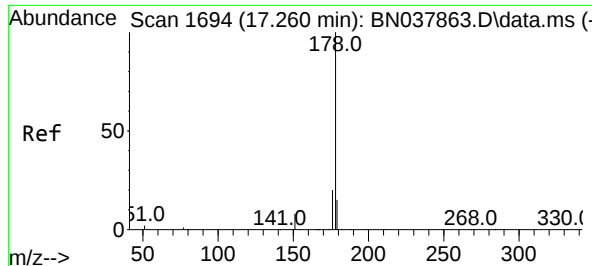
Ion Ratio Lower Upper

200 100

173 28.4 18.3 27.5#

215 49.4 38.6 58.0





#25

Phenanthrene

Concen: 0.099 ng

RT: 17.260 min Scan# 1694

Delta R.T. 0.000 min

Lab File: BN037861.D

Acq: 23 Sep 2025 12:13

Instrument :

BNA_N

ClientSampleId :

SSTDIC0.1

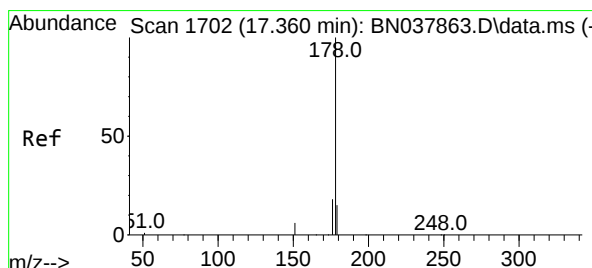
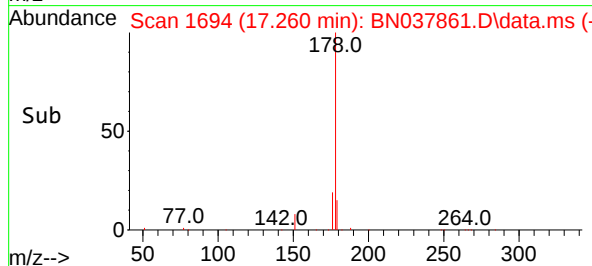
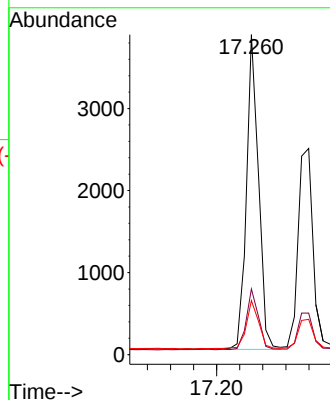
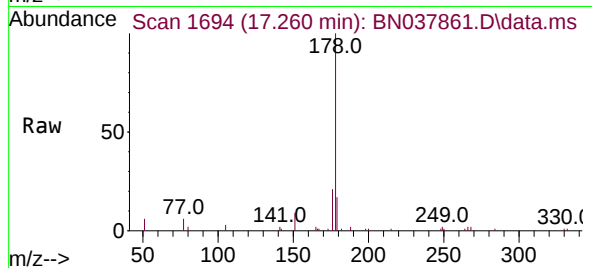
Tgt Ion:178 Resp: 5595

Ion Ratio Lower Upper

178 100

176 19.3 15.7 23.5

179 16.2 12.3 18.5



#26

Anthracene

Concen: 0.091 ng

RT: 17.360 min Scan# 1702

Delta R.T. 0.000 min

Lab File: BN037861.D

Acq: 23 Sep 2025 12:13

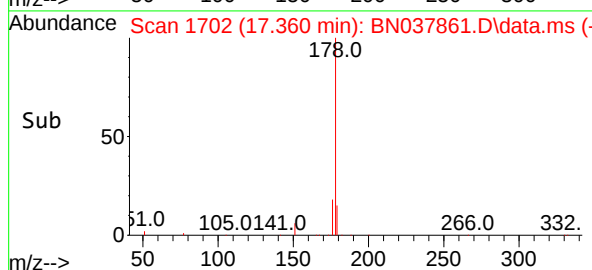
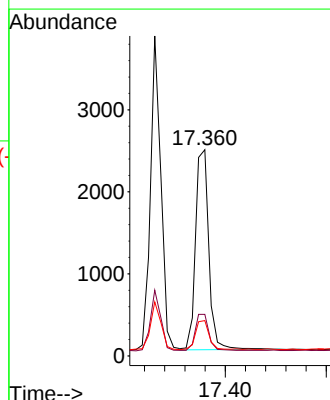
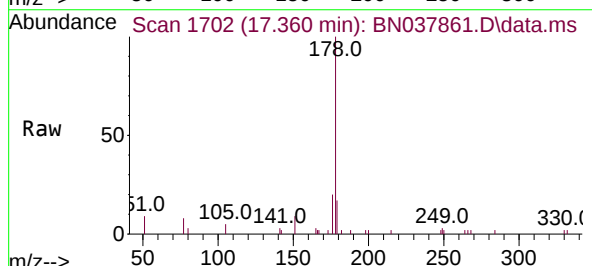
Tgt Ion:178 Resp: 4446

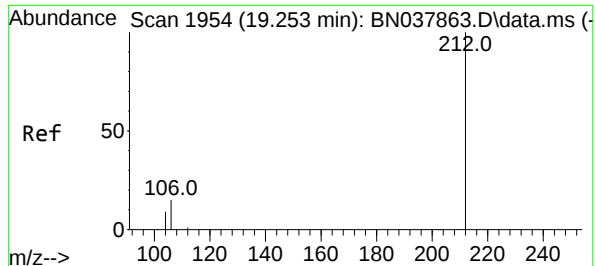
Ion Ratio Lower Upper

178 100

176 18.5 15.0 22.4

179 14.9 12.3 18.5





#27

Fluoranthene-d10

Concen: 0.087 ng

RT: 19.253 min Scan# 1954

Delta R.T. -0.000 min

Lab File: BN037861.D

Acq: 23 Sep 2025 12:13

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

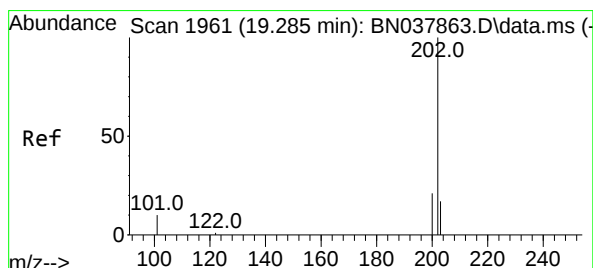
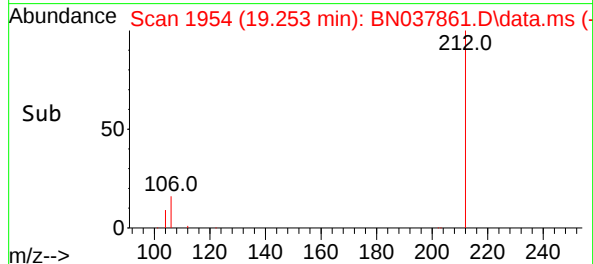
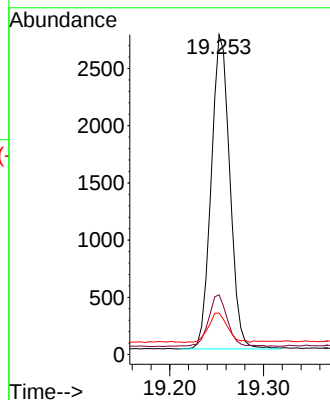
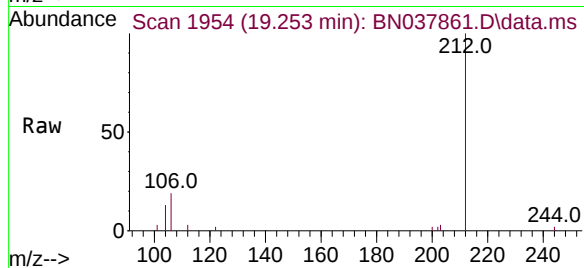
Tgt Ion:212 Resp: 3783

Ion Ratio Lower Upper

212 100

106 16.8 12.6 19.0

104 9.7 7.4 11.0



#28

Fluoranthene

Concen: 0.088 ng

RT: 19.285 min Scan# 1961

Delta R.T. -0.000 min

Lab File: BN037861.D

Acq: 23 Sep 2025 12:13

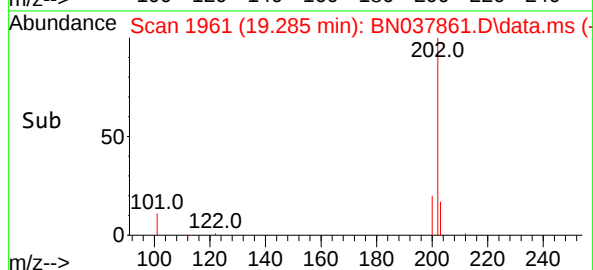
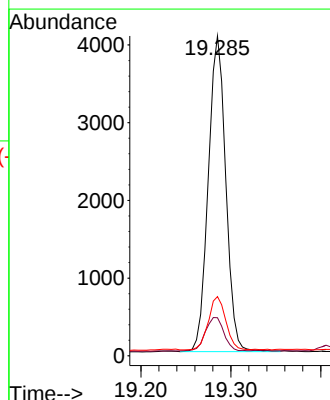
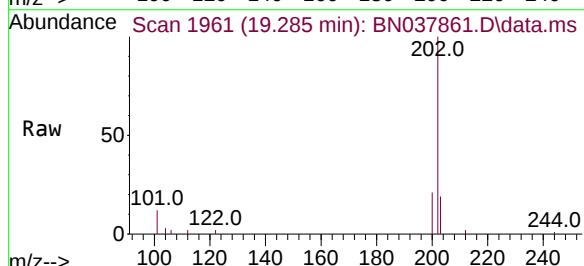
Tgt Ion:202 Resp: 5493

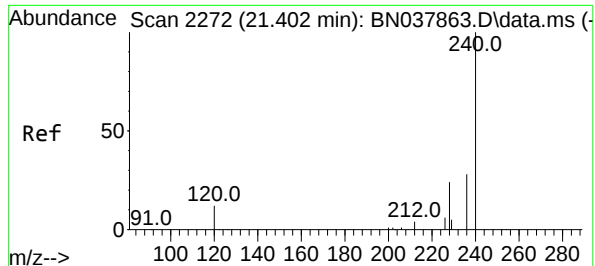
Ion Ratio Lower Upper

202 100

101 11.3 9.3 13.9

203 16.8 13.6 20.4





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.402 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN037861.D

Acq: 23 Sep 2025 12:13

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

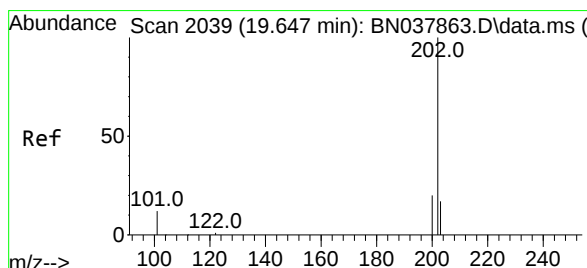
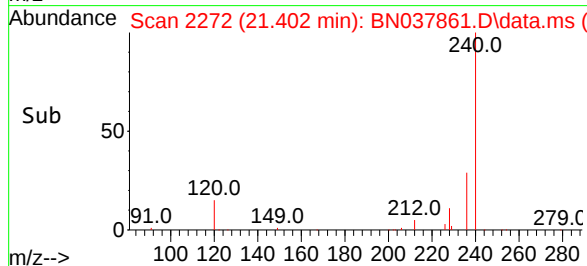
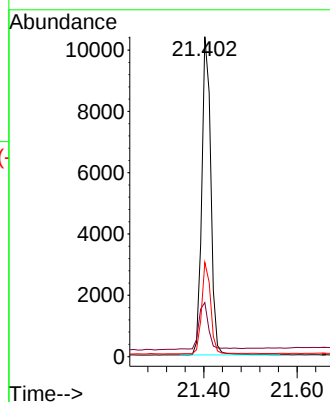
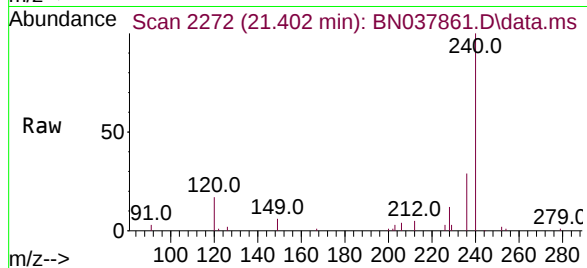
Tgt Ion:240 Resp: 13854

Ion Ratio Lower Upper

240 100

120 16.9 11.4 17.2

236 29.4 23.0 34.6



#30

Pyrene

Concen: 0.100 ng

RT: 19.647 min Scan# 2039

Delta R.T. 0.000 min

Lab File: BN037861.D

Acq: 23 Sep 2025 12:13

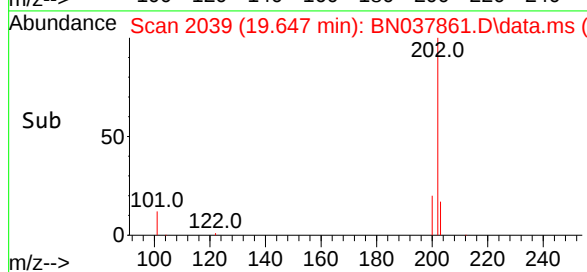
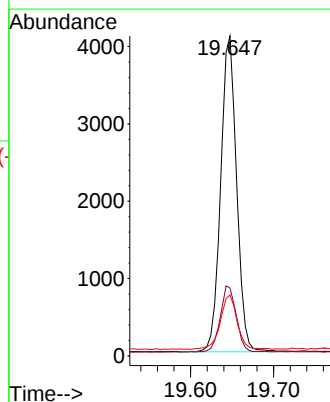
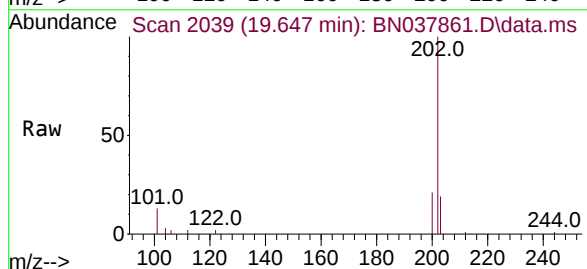
Tgt Ion:202 Resp: 5458

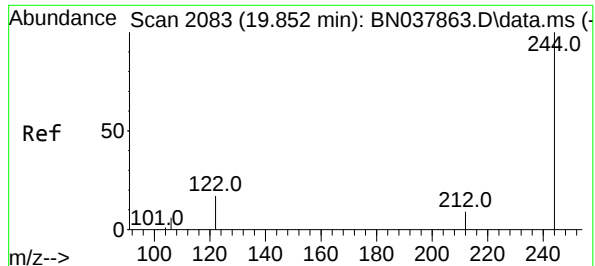
Ion Ratio Lower Upper

202 100

200 21.1 16.7 25.1

203 18.2 14.2 21.4

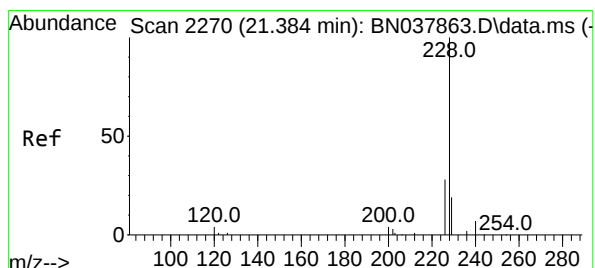
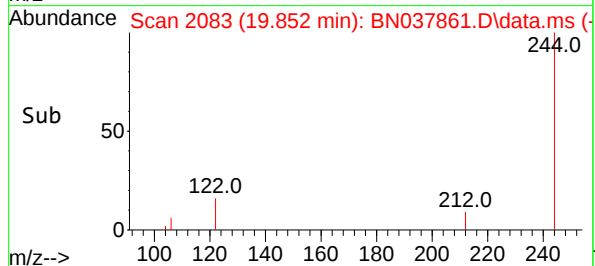
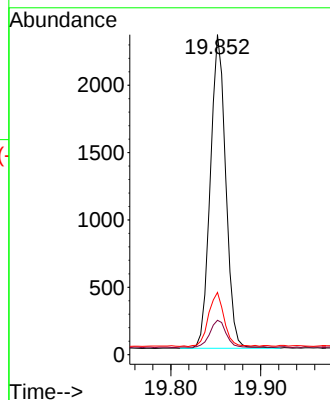
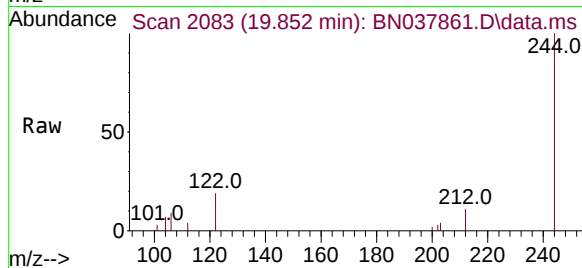




#31
Terphenyl-d14
Concen: 0.100 ng
RT: 19.852 min Scan# 2083
Delta R.T. 0.000 min
Lab File: BN037861.D
Acq: 23 Sep 2025 12:13

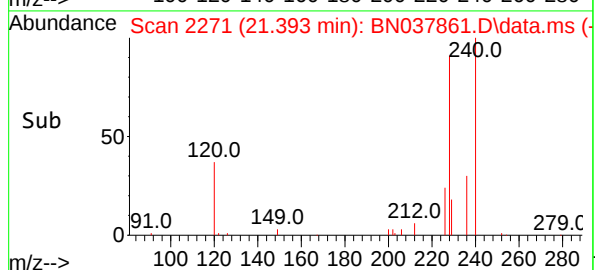
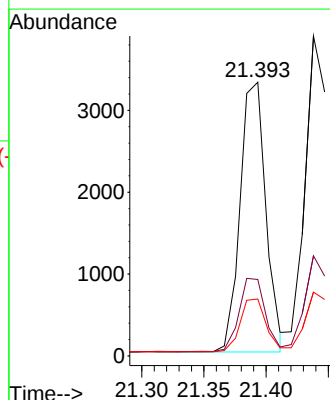
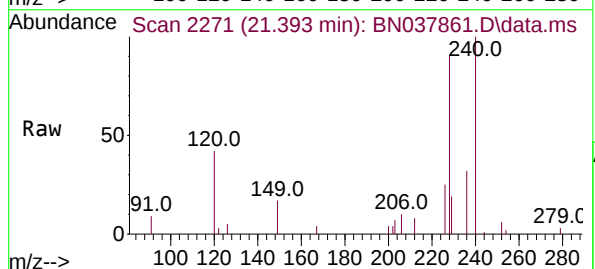
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

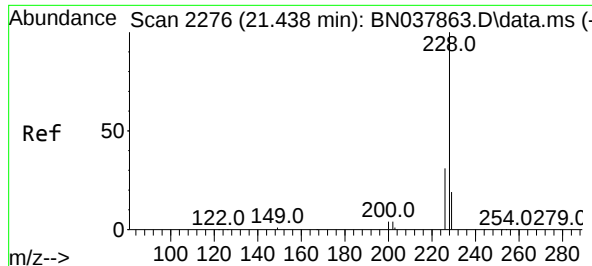
Tgt Ion	Ratio	Lower	Upper
244	100		
212	10.7	7.6	11.4
122	19.4	13.9	20.9



#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	Ratio	Lower	Upper
228	100		
226	27.9	22.6	33.8
229	20.8	15.6	23.4





#33

Chrysene

Concen: 0.100 ng

RT: 21.438 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN037861.D

Acq: 23 Sep 2025 12:13

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

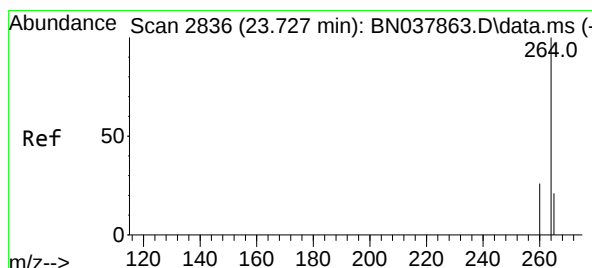
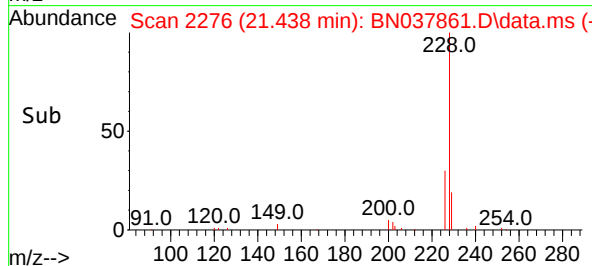
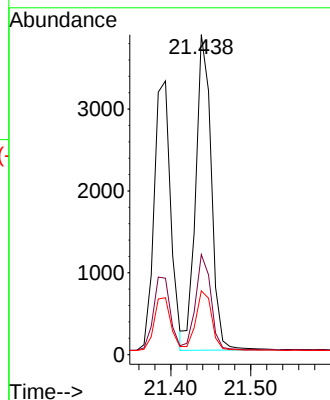
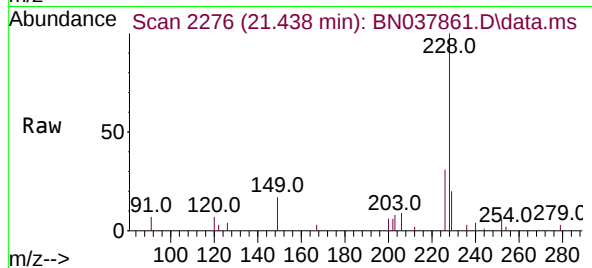
Tgt Ion:228 Resp: 5223

Ion Ratio Lower Upper

228 100

226 31.3 24.6 37.0

229 19.9 15.6 23.4



#35

Perylene-d12

Concen: 0.400 ng

RT: 23.736 min Scan# 2839

Delta R.T. 0.009 min

Lab File: BN037861.D

Acq: 23 Sep 2025 12:13

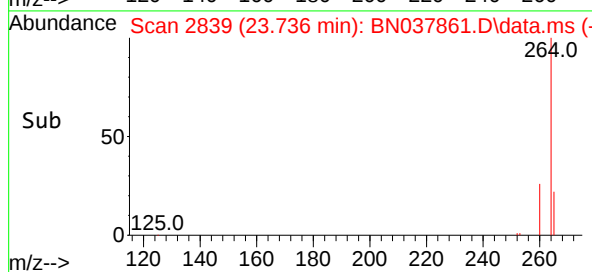
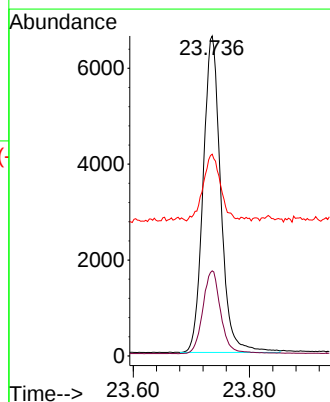
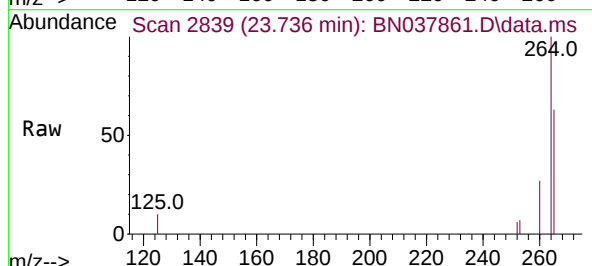
Tgt Ion:264 Resp: 13928

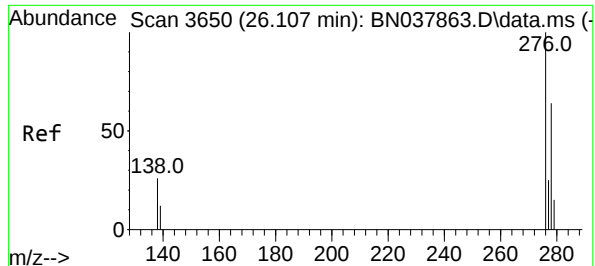
Ion Ratio Lower Upper

264 100

260 26.6 21.5 32.3

265 63.0 53.8 80.6





#36

Indeno(1,2,3-cd)pyrene

Concen: 0.094 ng

RT: 26.113 min Scan# 3652

Delta R.T. 0.006 min

Lab File: BN037861.D

Acq: 23 Sep 2025 12:13

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

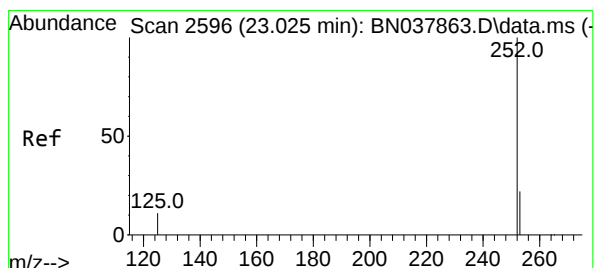
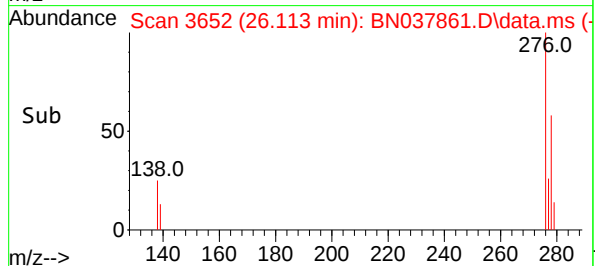
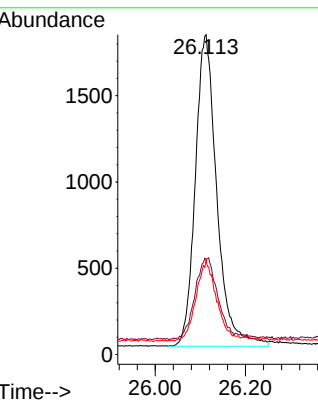
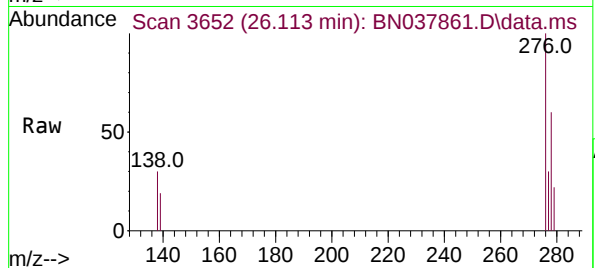
Tgt Ion:276 Resp: 5972

Ion Ratio Lower Upper

276 100

138 27.9 21.4 32.0

277 24.6 20.3 30.5



#37

Benzo(b)fluoranthene

Concen: 0.093 ng

RT: 23.031 min Scan# 2598

Delta R.T. 0.006 min

Lab File: BN037861.D

Acq: 23 Sep 2025 12:13

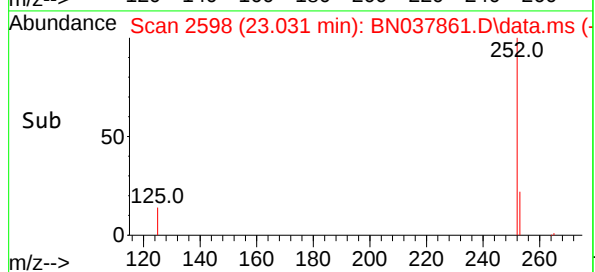
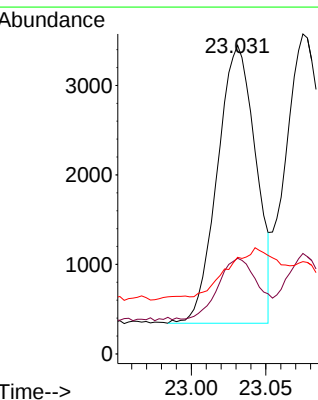
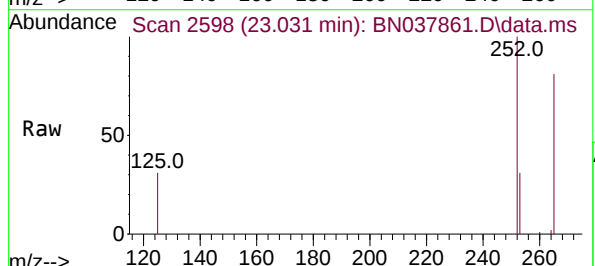
Tgt Ion:252 Resp: 5567

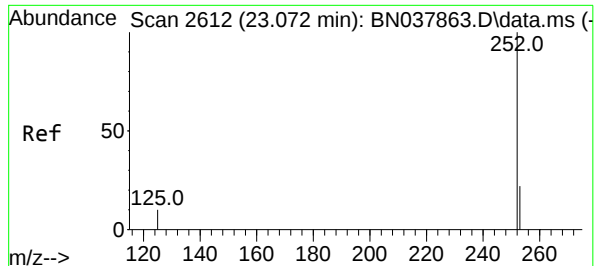
Ion Ratio Lower Upper

252 100

253 31.0 19.4 29.0#

125 31.3 13.0 19.4#





#38

Benzo(k)fluoranthene

Concen: 0.093 ng

RT: 23.075 min Scan# 2612

Delta R.T. 0.003 min

Lab File: BN037861.D

Acq: 23 Sep 2025 12:13

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

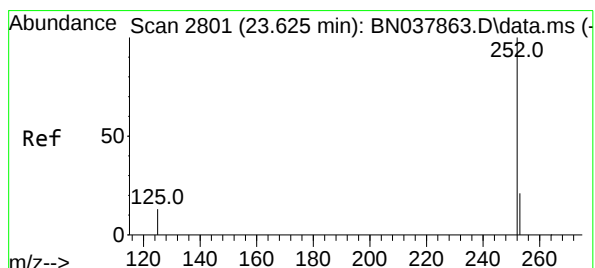
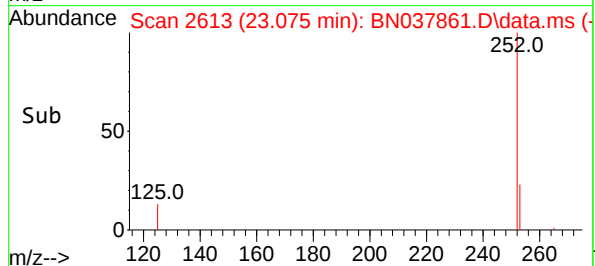
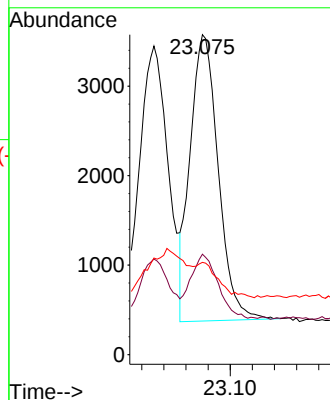
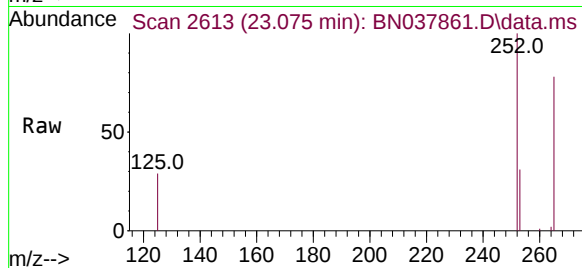
Tgt Ion:252 Resp: 5642

Ion Ratio Lower Upper

252 100

253 31.4 19.5 29.3#

125 28.8 13.0 19.4#



#39

Benzo(a)pyrene

Concen: 0.092 ng

RT: 23.630 min Scan# 2803

Delta R.T. 0.006 min

Lab File: BN037861.D

Acq: 23 Sep 2025 12:13

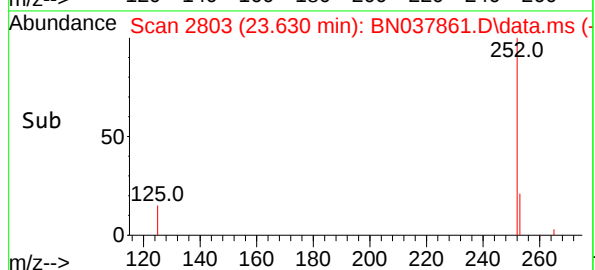
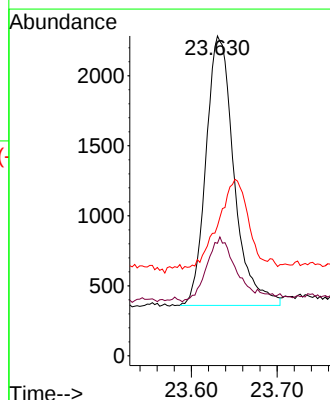
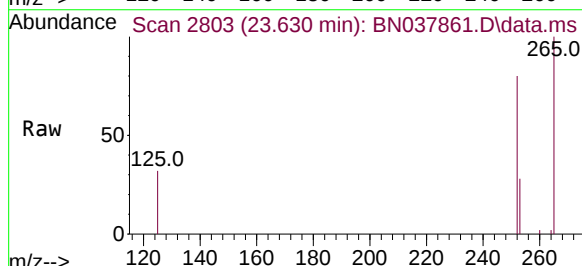
Tgt Ion:252 Resp: 4368

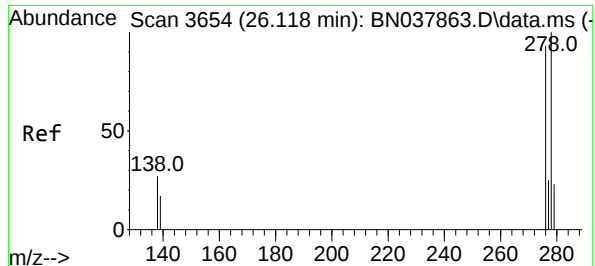
Ion Ratio Lower Upper

252 100

253 35.2 20.6 30.8#

125 40.6 16.7 25.1#





#40

Dibenzo(a,h)anthracene

Concen: 0.090 ng

RT: 26.127 min Scan# 30

Delta R.T. 0.009 min

Lab File: BN037861.D

Acq: 23 Sep 2025 12:13

Instrument :

BNA_N

ClientSampleId :

SSTDIC0.1

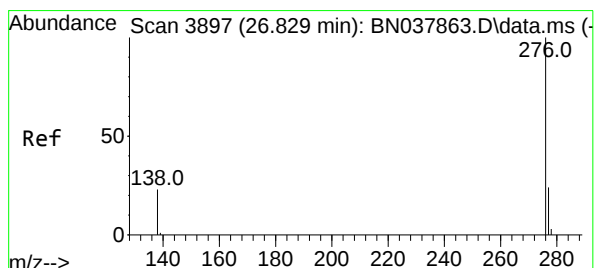
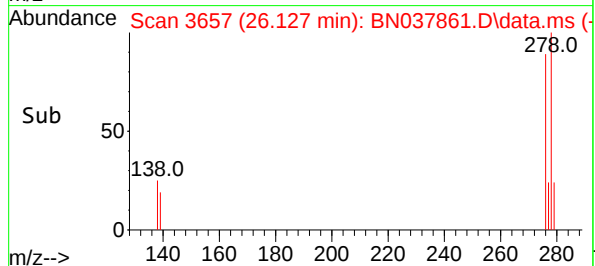
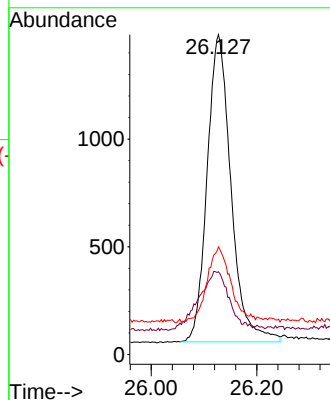
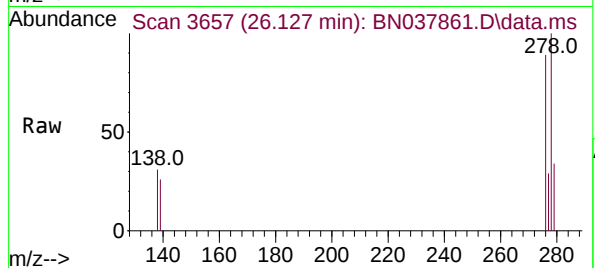
Tgt Ion:278 Resp: 4476

Ion Ratio Lower Upper

278 100

139 25.9 15.4 23.2#

279 33.7 20.8 31.2#



#41

Benzo(g,h,i)perylene

Concen: 0.094 ng

RT: 26.832 min Scan# 3898

Delta R.T. 0.003 min

Lab File: BN037861.D

Acq: 23 Sep 2025 12:13

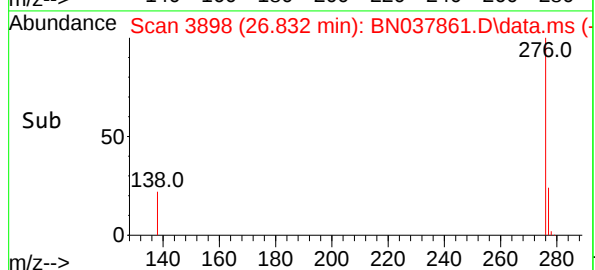
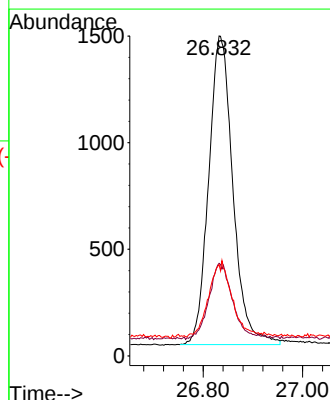
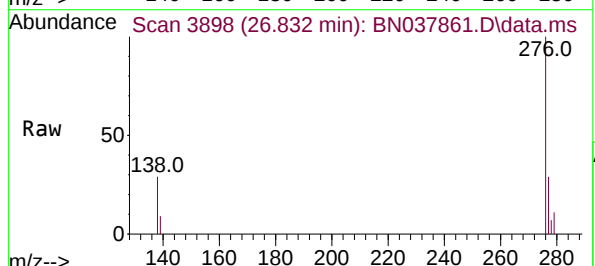
Tgt Ion:276 Resp: 4900

Ion Ratio Lower Upper

276 100

277 28.9 20.2 30.4

138 28.5 19.8 29.8



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

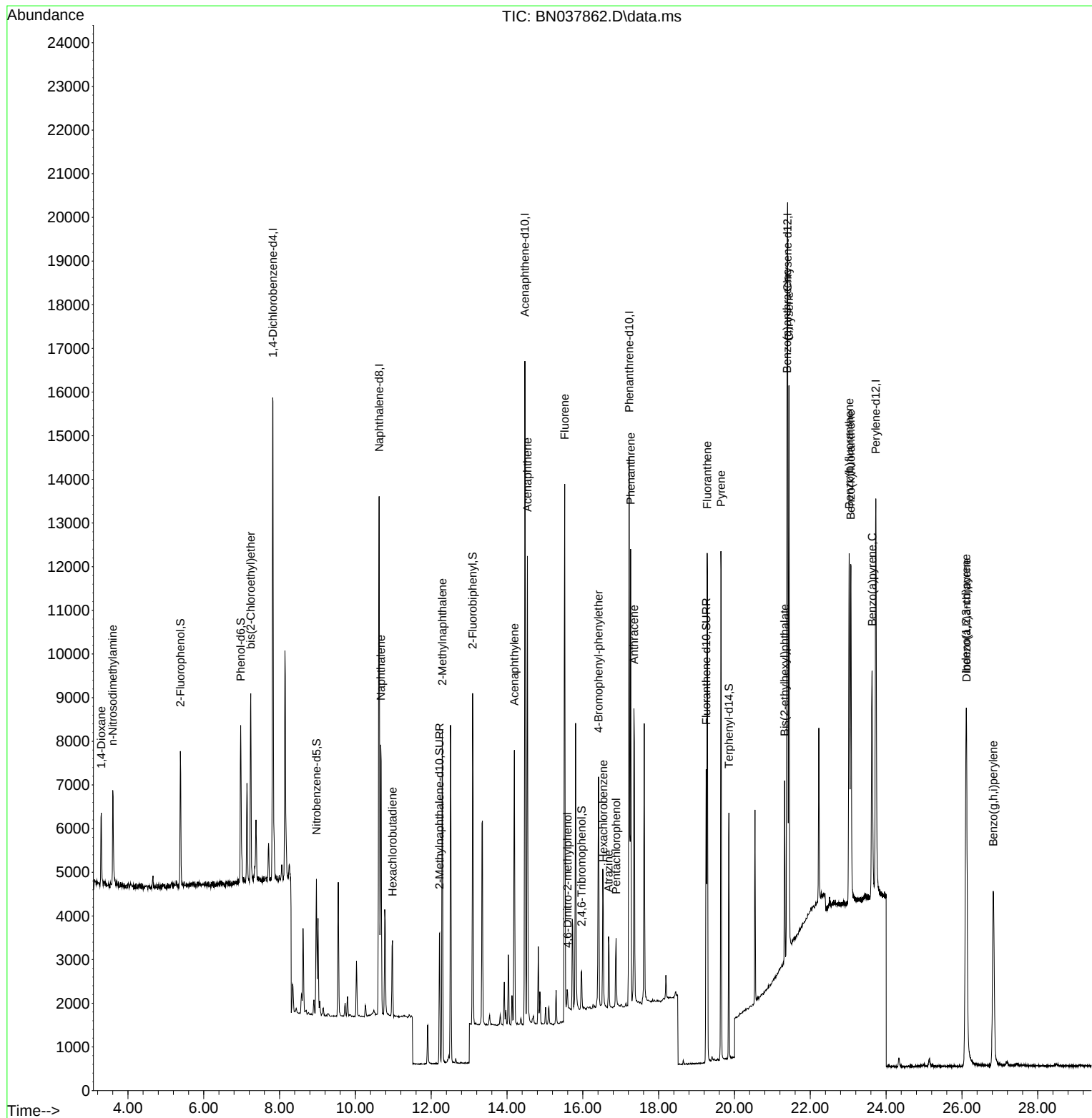
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.826	152	5544	0.400	ng	0.00
7) Naphthalene-d8	10.626	136	15739	0.400	ng	0.00
13) Acenaphthene-d10	14.473	164	8069	0.400	ng	0.00
19) Phenanthrene-d10	17.223	188	15912	0.400	ng	0.00
29) Chrysene-d12	21.402	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						
2) 1,4-Dioxane	3.297	88	1144	0.203	ng	97
3) n-Nitrosodimethylamine	3.601	42	1500	0.200	ng	# 94
6) bis(2-Chloroethyl)ether	7.241	93	3039	0.197	ng	98
9) Naphthalene	10.669	128	8573	0.198	ng	99
10) Hexachlorobutadiene	10.979	225	1450	0.196	ng	# 99
12) 2-Methylnaphthalene	12.293	142	5361	0.189	ng	100
16) Acenaphthylene	14.195	152	6943	0.190	ng	99
17) Acenaphthene	14.537	154	4963	0.190	ng	98
18) Fluorene	15.523	166	5870	0.186	ng	99
20) 4,6-Dinitro-2-methylph...	15.597	198	325	0.230	ng	# 64
21) 4-Bromophenyl-phenylether	16.416	248	1965	0.190	ng	97
22) Hexachlorobenzene	16.540	284	2483	0.198	ng	99
23) Atrazine	16.677	200	1442	0.183	ng	# 89
24) Pentachlorophenol	16.876	266	804	0.186	ng	99
25) Phenanthrene	17.260	178	10109	0.193	ng	99
26) Anthracene	17.347	178	8235	0.181	ng	99
28) Fluoranthene	19.280	202	10466	0.181	ng	100
30) Pyrene	19.643	202	10528	0.203	ng	100
32) Benzo(a)anthracene	21.384	228	8943	0.194	ng	99
33) Chrysene	21.438	228	10042	0.202	ng	99
34) Bis(2-ethylhexyl)phtha...	21.322	149	3892	0.214	ng	# 100
36) Indeno(1,2,3-cd)pyrene	26.110	276	10845	0.183	ng	99
37) Benzo(b)fluoranthene	23.025	252	10420	0.186	ng	# 91
38) Benzo(k)fluoranthene	23.069	252	10290	0.183	ng	# 93
39) Benzo(a)pyrene	23.628	252	8405	0.190	ng	# 88
40) Dibenzo(a,h)anthracene	26.121	278	8321	0.180	ng	92
41) Benzo(g,h,i)perylene	26.826	276	8956	0.184	ng	97

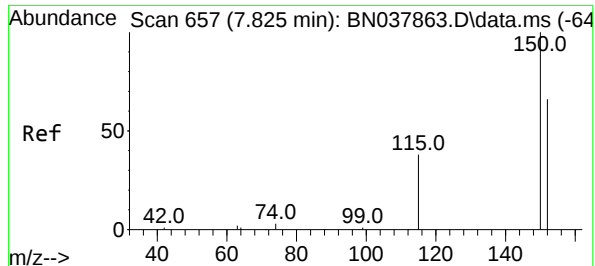
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092325\
Data File : BN037862.D
Acq On : 23 Sep 2025 12:49
Operator : RC/JU
Sample : SSTDICC0.2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Quant Time: Sep 23 16:21:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 23 16:17:53 2025
Response via : Initial Calibration

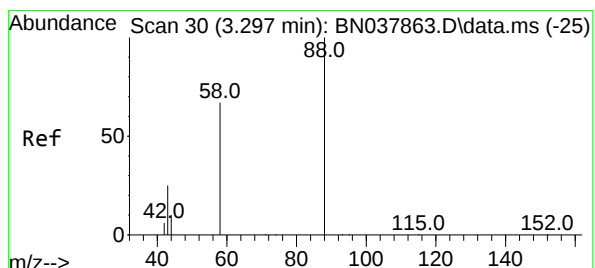
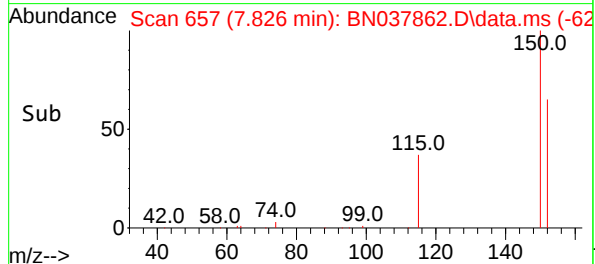
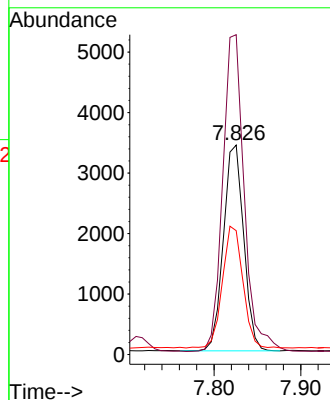
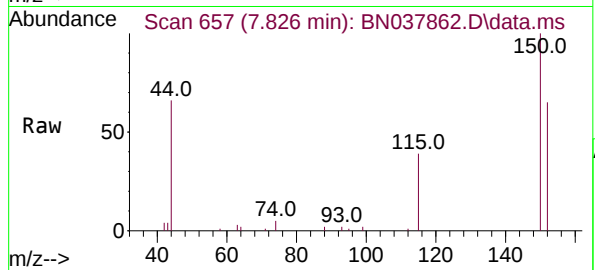




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.826 min Scan# 61
Delta R.T. 0.001 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

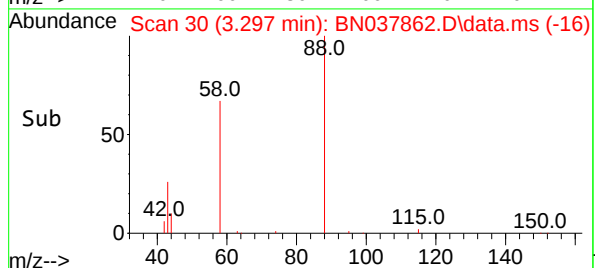
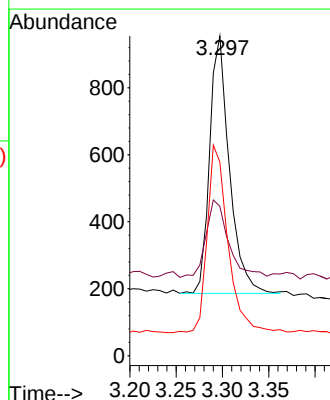
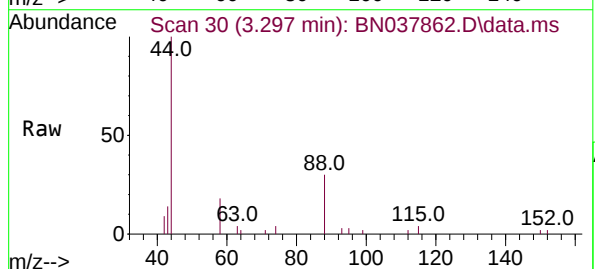
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

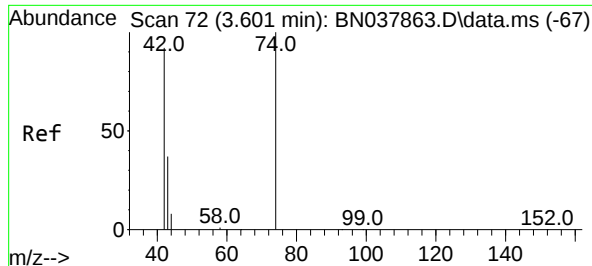
Tgt Ion:152 Resp: 5544
Ion Ratio Lower Upper
152 100
150 152.7 121.0 181.4
115 59.1 47.4 71.0



#2
1,4-Dioxane
Concen: 0.203 ng
RT: 3.297 min Scan# 30
Delta R.T. 0.000 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

Tgt Ion: 88 Resp: 1144
Ion Ratio Lower Upper
88 100
43 34.1 26.6 39.8
58 76.4 58.9 88.3

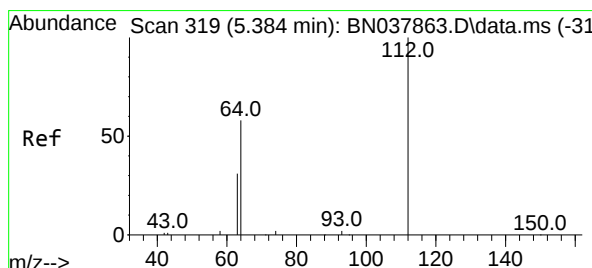
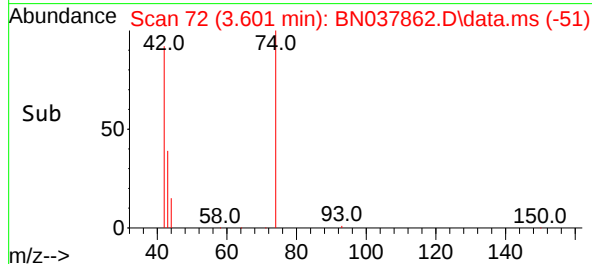
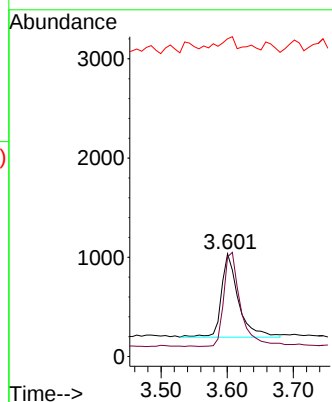
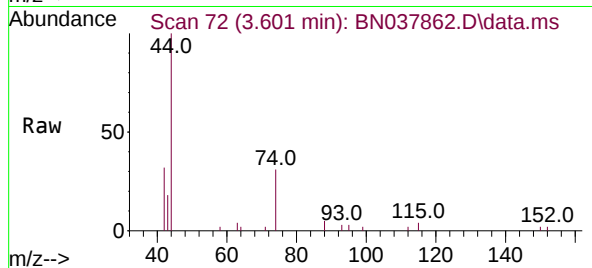




#3
n-Nitrosodimethylamine
Concen: 0.200 ng
RT: 3.601 min Scan# 72
Delta R.T. 0.000 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

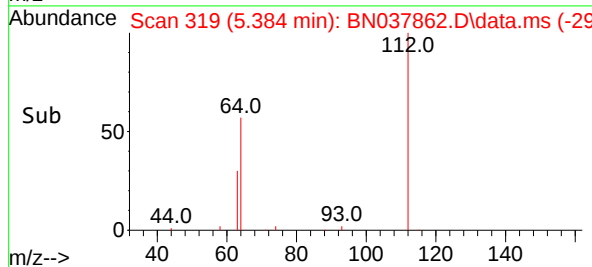
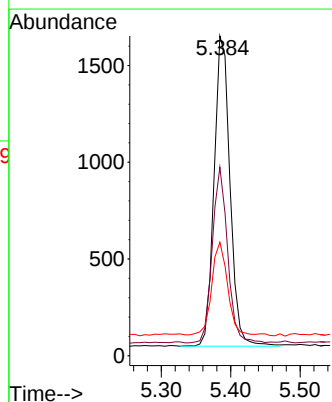
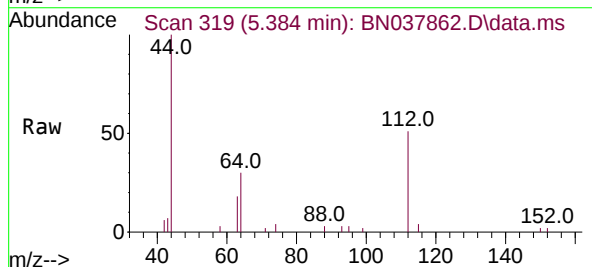
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

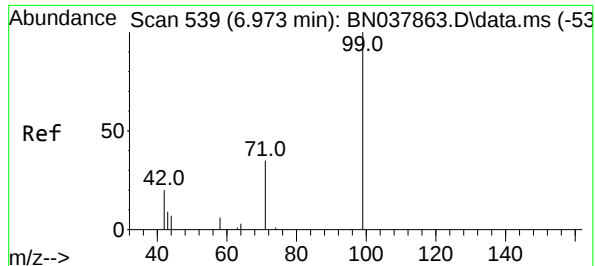
Tgt Ion: 42 Resp: 1500
Ion Ratio Lower Upper
42 100
74 112.1 93.4 140.0
44 20.9 22.2 33.4#



#4
2-Fluorophenol
Concen: 0.202 ng
RT: 5.384 min Scan# 319
Delta R.T. 0.000 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

Tgt Ion: 112 Resp: 2553
Ion Ratio Lower Upper
112 100
64 54.6 44.6 66.8
63 30.9 24.9 37.3

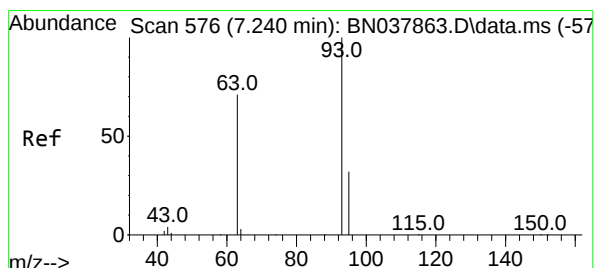
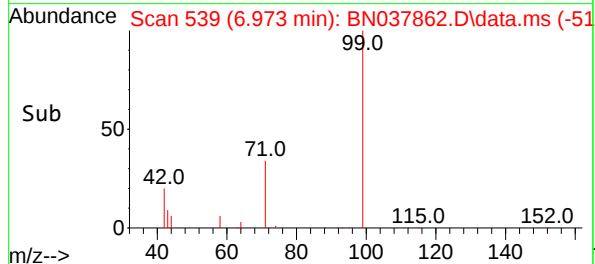
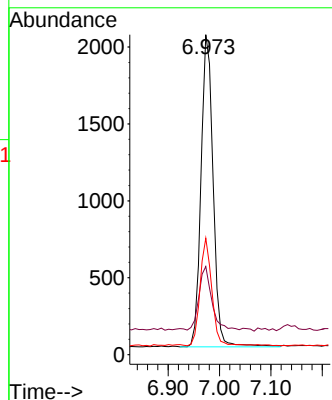
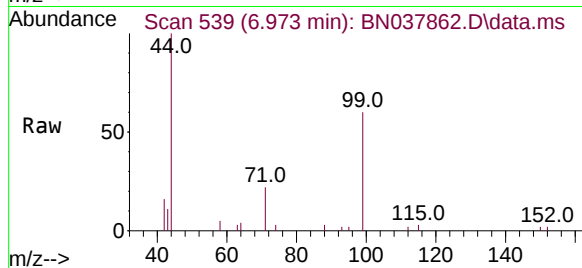




#5
Phenol-d6
Concen: 0.200 ng
RT: 6.973 min Scan# 539
Delta R.T. 0.000 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

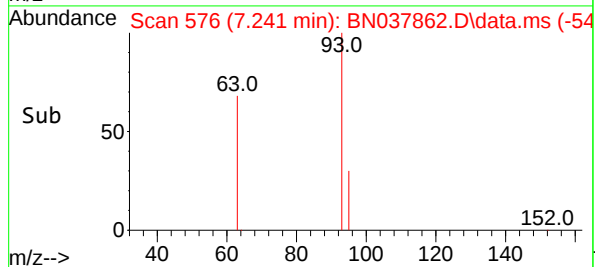
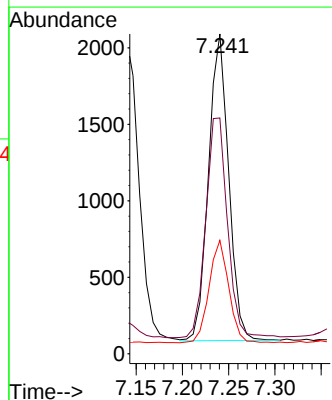
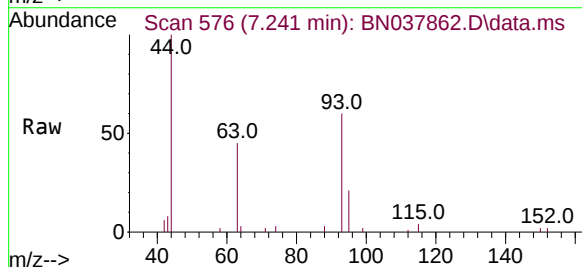
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

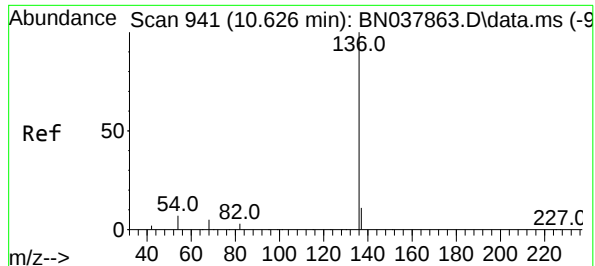
Tgt Ion:	99	Resp:	3326
Ion	Ratio	Lower	Upper
99	100		
42	21.3	17.2	25.8
71	33.3	27.3	40.9



#6
bis(2-Chloroethyl)ether
Concen: 0.197 ng
RT: 7.241 min Scan# 576
Delta R.T. 0.000 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

Tgt Ion:	93	Resp:	3039
Ion	Ratio	Lower	Upper
93	100		
63	77.1	60.1	90.1
95	33.0	25.4	38.2

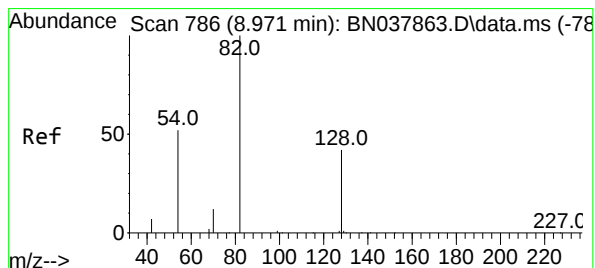
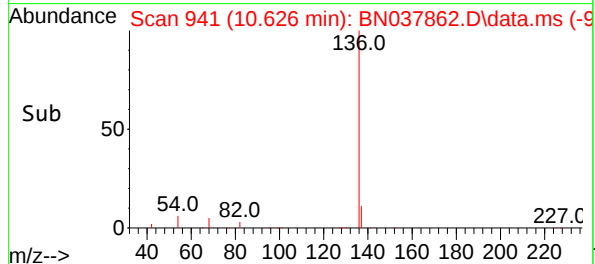
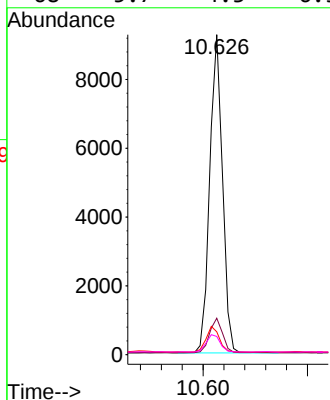
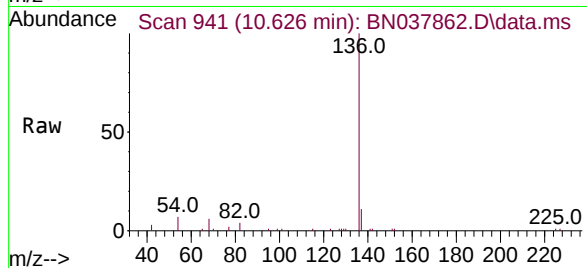




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.626 min Scan# 941
Delta R.T. 0.000 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

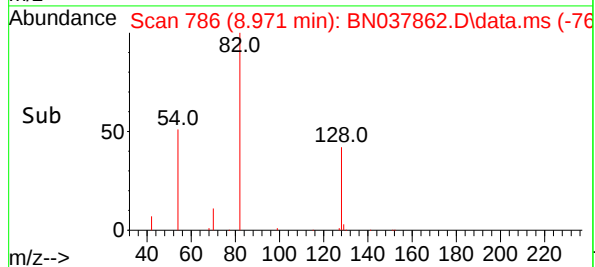
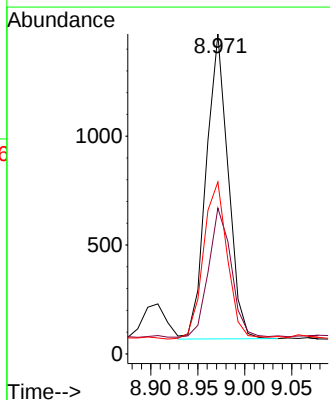
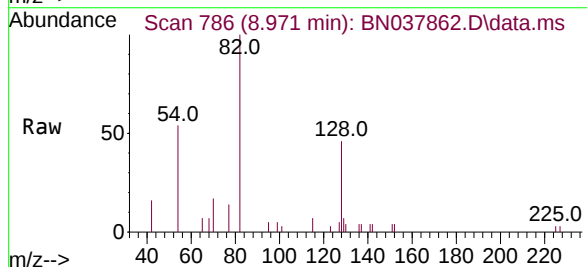
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

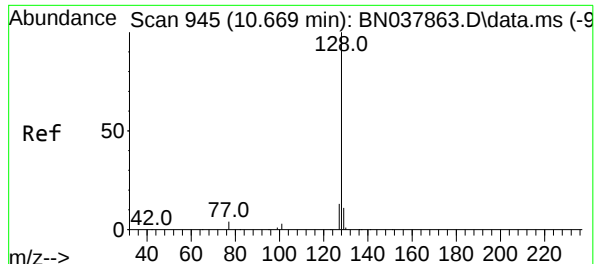
Tgt Ion:	136	Resp:	15739
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.0	13.4
54	7.1	5.8	8.8
68	5.7	4.3	6.5



#8
Nitrobenzene-d5
Concen: 0.190 ng
RT: 8.971 min Scan# 786
Delta R.T. 0.000 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

Tgt Ion:	82	Resp:	2278
Ion	Ratio	Lower	Upper
82	100		
128	45.6	34.8	52.2
54	53.7	42.2	63.2

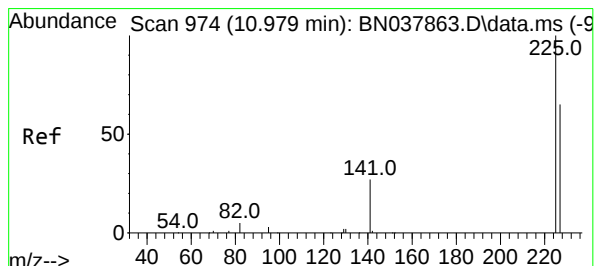
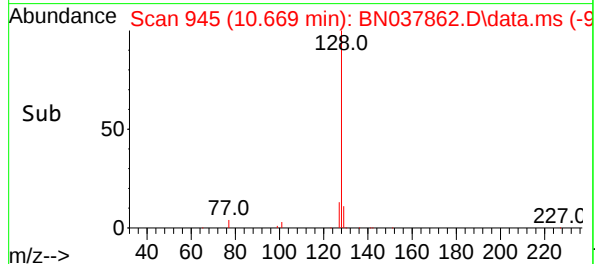
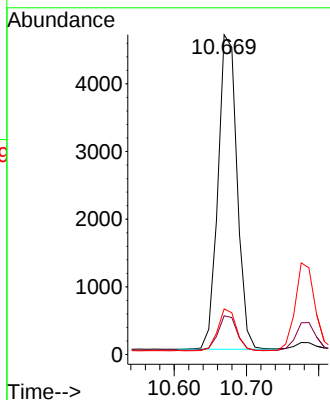
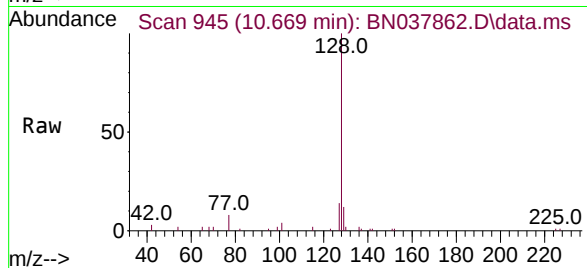




#9
Naphthalene
Concen: 0.198 ng
RT: 10.669 min Scan# 945
Delta R.T. 0.000 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

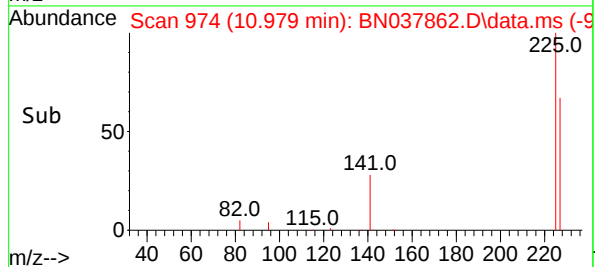
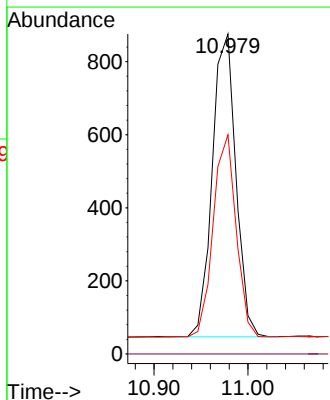
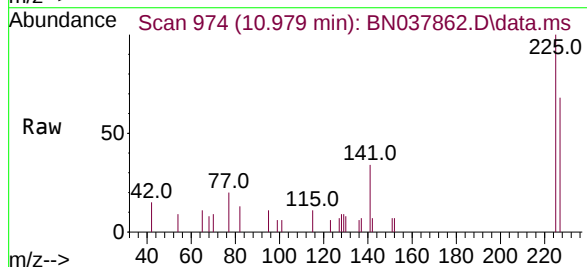
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

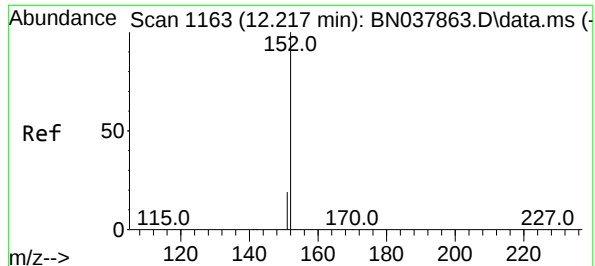
Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.1	9.2	13.8
127	14.3	11.0	16.6



#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	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	65.0	51.4	77.2

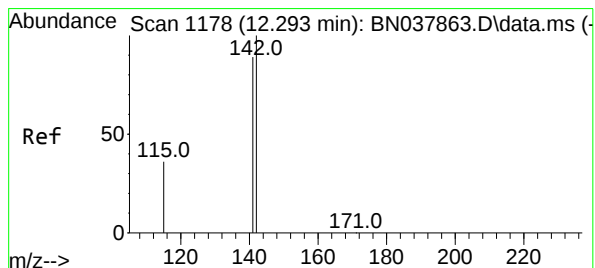
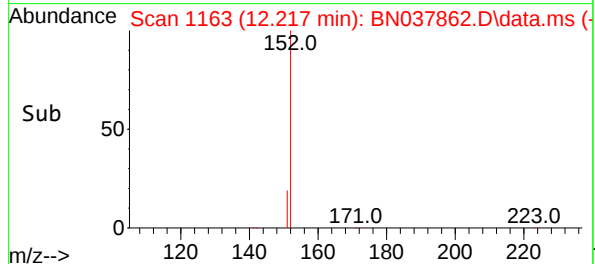
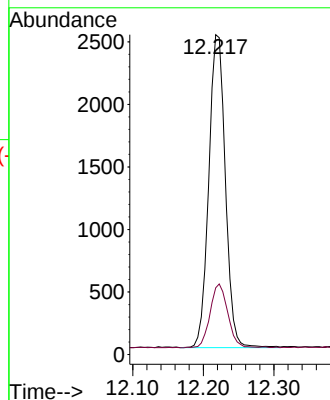
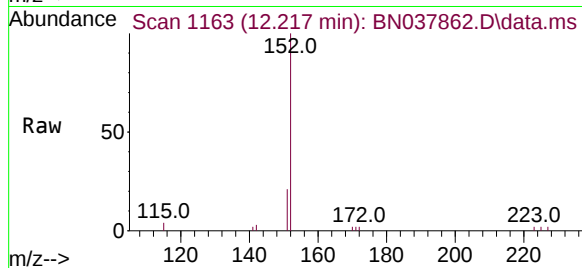




#11
2-Methylnaphthalene-d10
Concen: 0.187 ng
RT: 12.217 min Scan# 1163
Delta R.T. 0.000 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

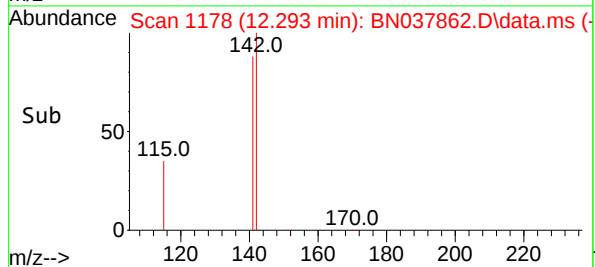
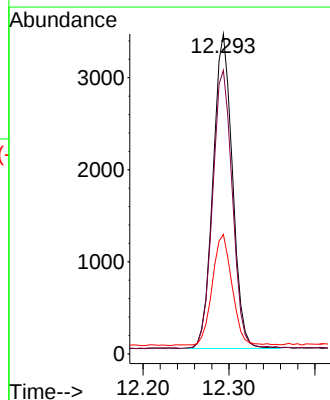
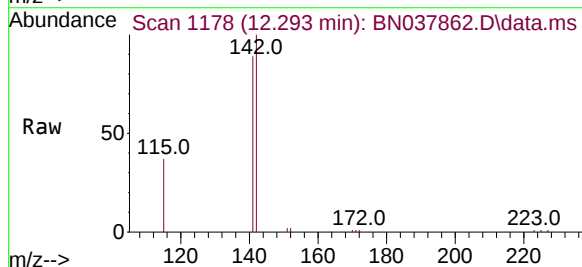
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

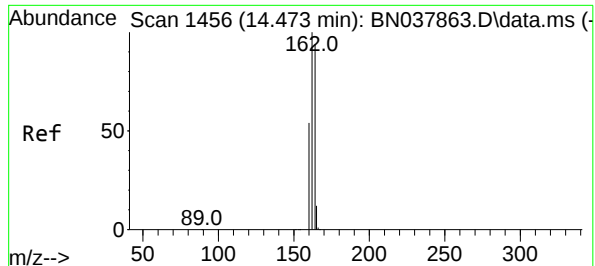
Tgt Ion:152 Resp: 4078
Ion Ratio Lower Upper
152 100
151 21.8 17.4 26.2



#12
2-Methylnaphthalene
Concen: 0.189 ng
RT: 12.293 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

Tgt Ion:142 Resp: 5361
Ion Ratio Lower Upper
142 100
141 88.6 71.2 106.8
115 37.3 29.7 44.5

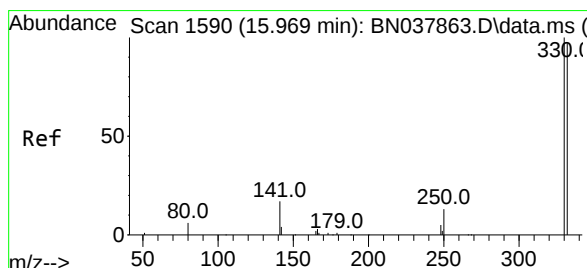
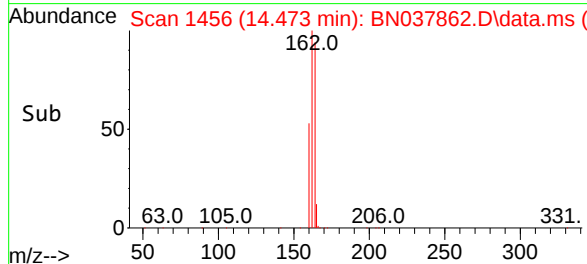
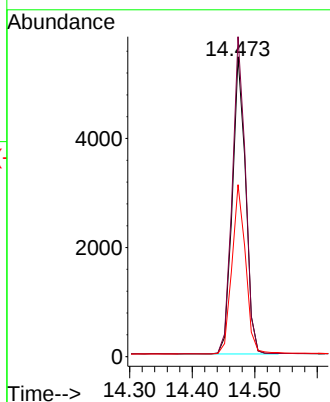
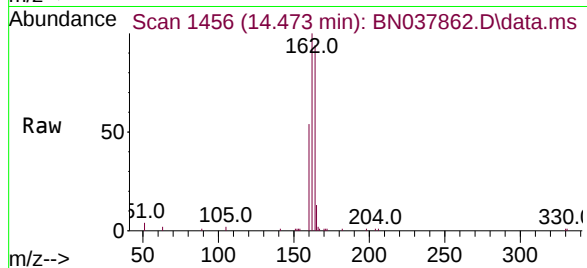




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.473 min Scan# 1456
Delta R.T. 0.000 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

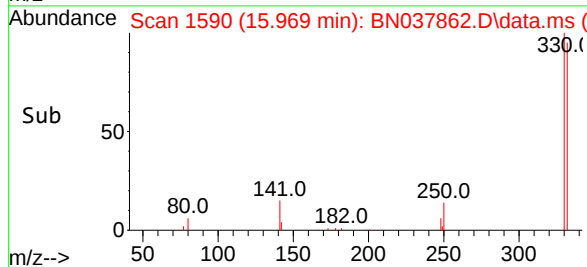
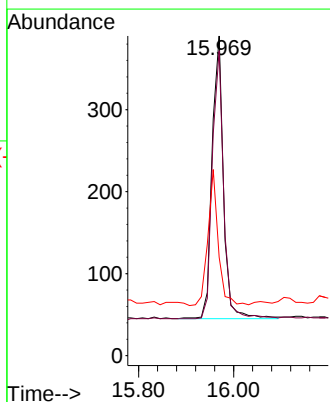
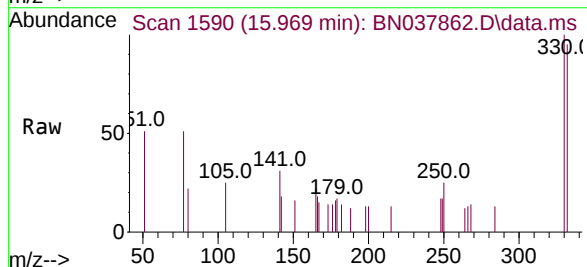
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

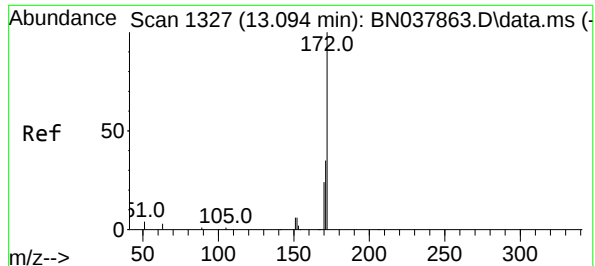
Tgt Ion:164 Resp: 8069
Ion Ratio Lower Upper
164 100
162 106.7 84.8 127.2
160 57.3 46.1 69.1



#14
2,4,6-Tribromophenol
Concen: 0.176 ng
RT: 15.969 min Scan# 1590
Delta R.T. 0.000 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

Tgt Ion:330 Resp: 573
Ion Ratio Lower Upper
330 100
332 94.2 77.2 115.8
141 44.0 37.2 55.8

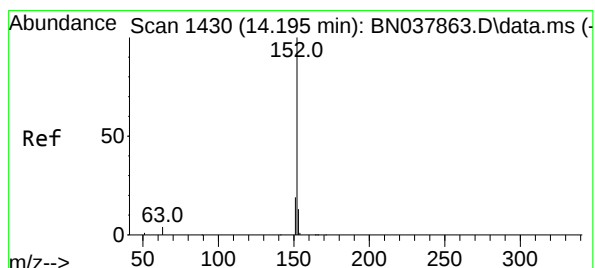
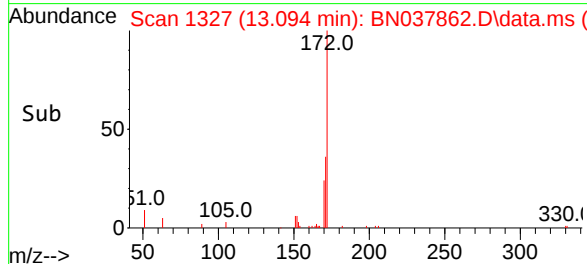
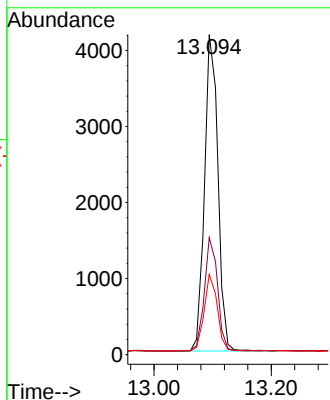
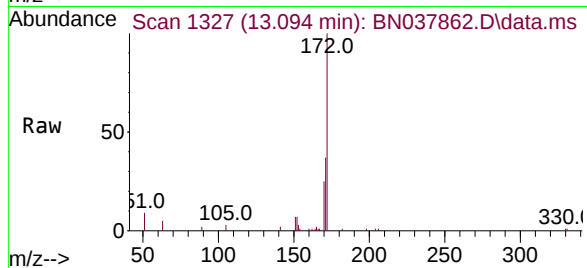




#15
2-Fluorobiphenyl
Concen: 0.199 ng
RT: 13.094 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

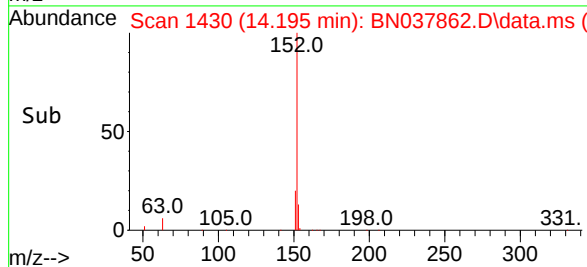
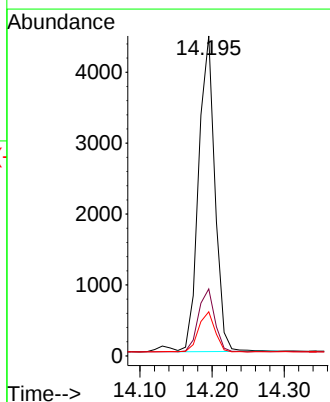
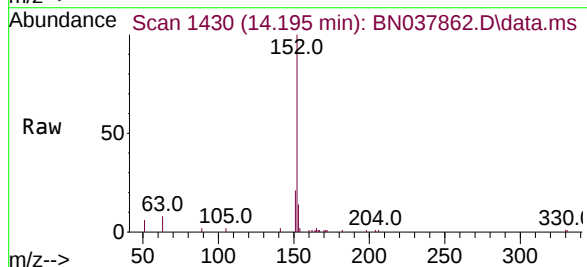
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

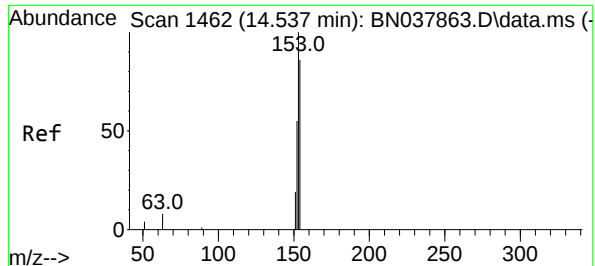
Tgt Ion:	172	Resp:	6579
Ion Ratio	Lower	Upper	
172	100		
171	36.6	28.6	43.0
170	25.1	19.7	29.5



#16
Acenaphthylene
Concen: 0.190 ng
RT: 14.195 min Scan# 1430
Delta R.T. 0.000 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

Tgt Ion:	152	Resp:	6943
Ion Ratio	Lower	Upper	
152	100		
151	20.4	15.8	23.8
153	13.1	10.5	15.7

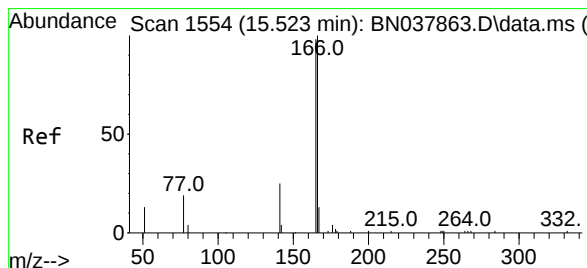
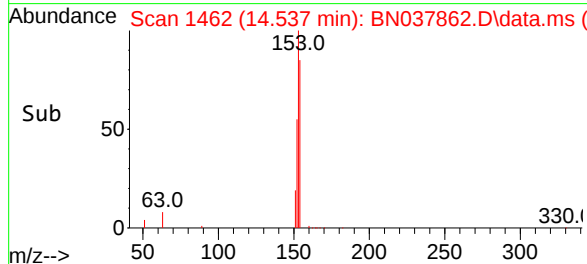
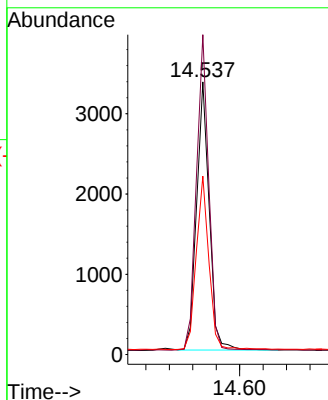
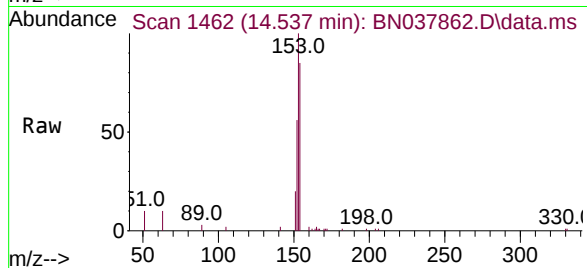




#17
Acenaphthene
Concen: 0.190 ng
RT: 14.537 min Scan# 1462
Delta R.T. 0.000 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

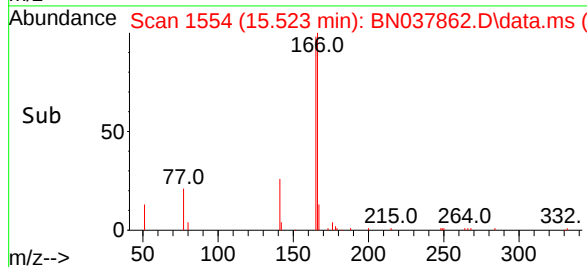
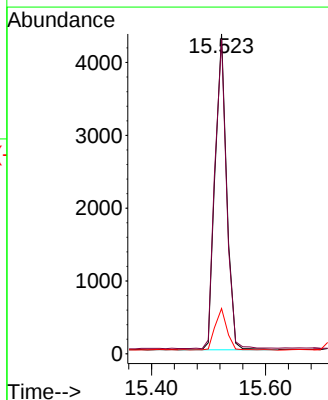
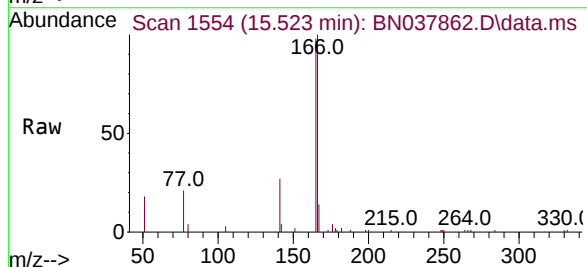
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

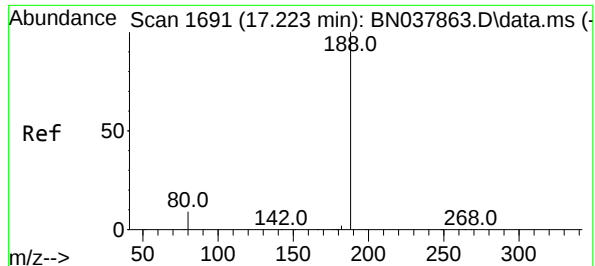
Tgt Ion	154	Resp:	4963
Ion Ratio	Lower	Upper	
154	100		
153	115.4	90.5	135.7
152	65.5	51.8	77.8



#18
Fluorene
Concen: 0.186 ng
RT: 15.523 min Scan# 1554
Delta R.T. 0.000 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

Tgt Ion	166	Resp:	5870
Ion Ratio	Lower	Upper	
166	100		
165	99.4	79.0	118.4
167	13.9	10.6	16.0





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.223 min Scan# 1691

Delta R.T. 0.000 min

Lab File: BN037862.D

Acq: 23 Sep 2025 12:49

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

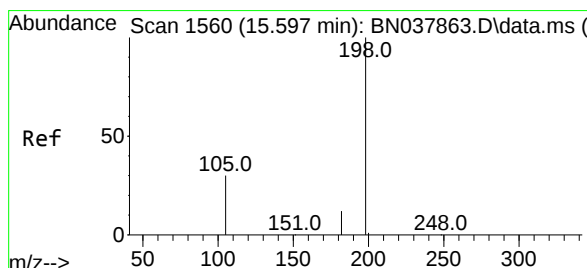
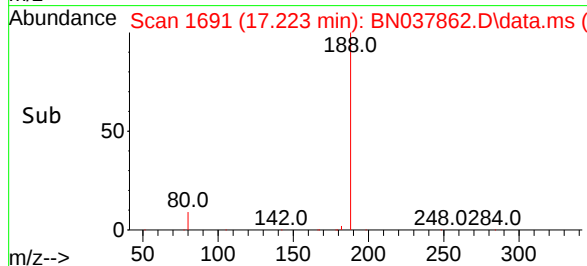
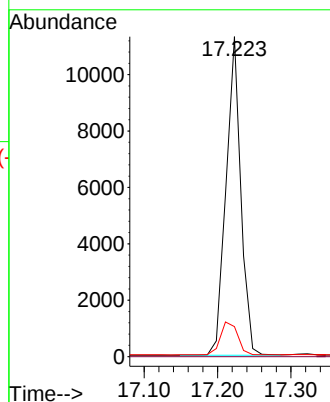
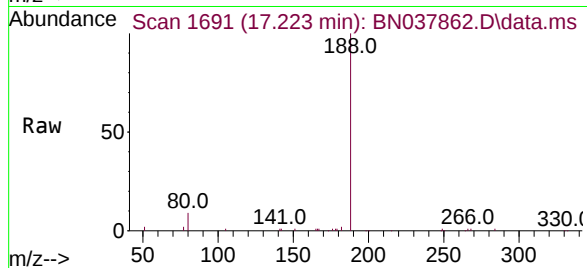
Tgt Ion:188 Resp: 15912

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.4 7.6 11.4



#20

4,6-Dinitro-2-methylphenol

Concen: 0.230 ng

RT: 15.597 min Scan# 1560

Delta R.T. 0.000 min

Lab File: BN037862.D

Acq: 23 Sep 2025 12:49

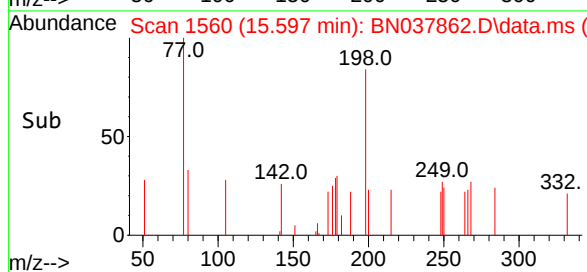
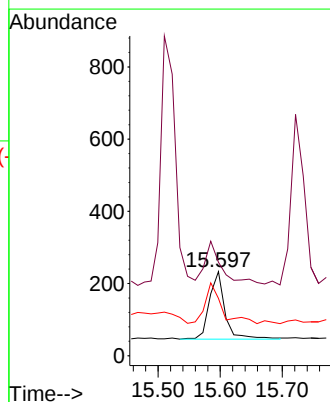
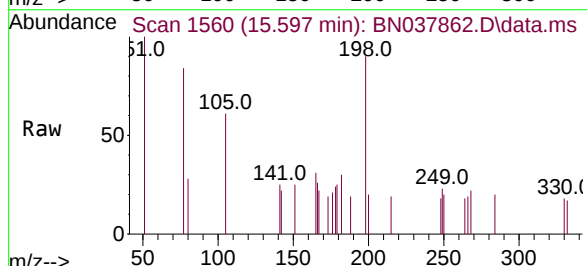
Tgt Ion:198 Resp: 325

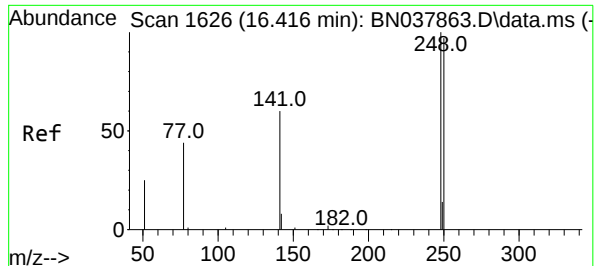
Ion Ratio Lower Upper

198 100

51 111.2 59.1 88.7#

105 68.2 41.3 61.9#

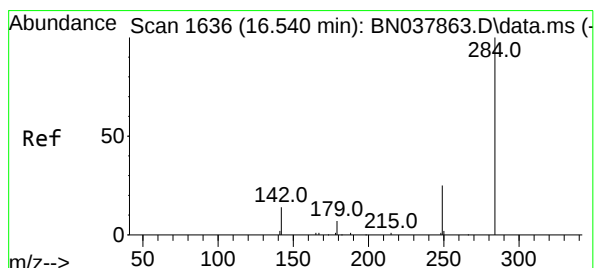
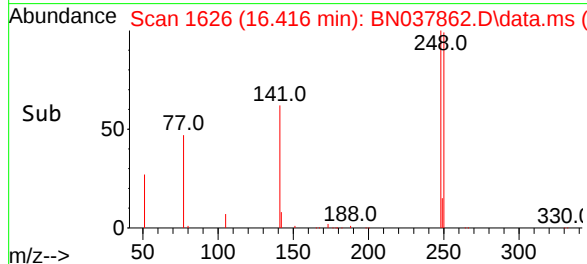
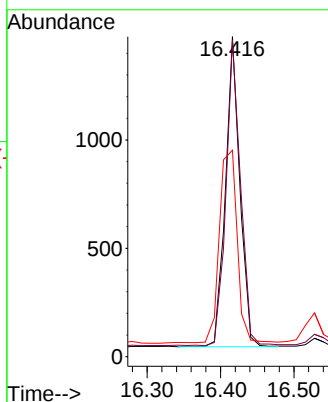
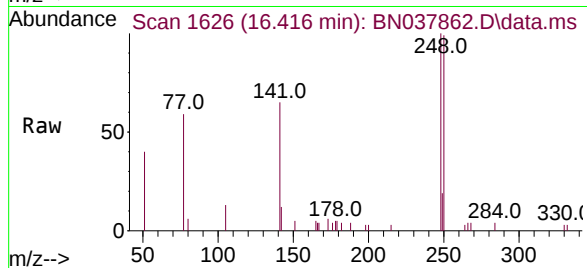




#21
4-Bromophenyl-phenylether
Concen: 0.190 ng
RT: 16.416 min Scan# 1626
Delta R.T. 0.000 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

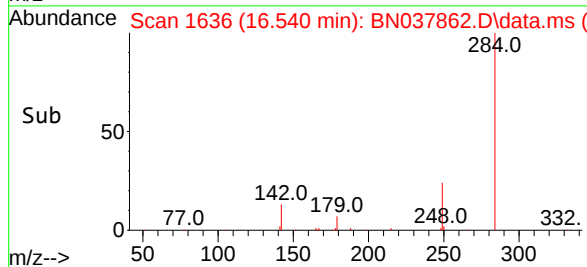
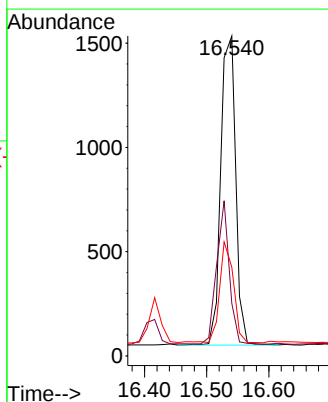
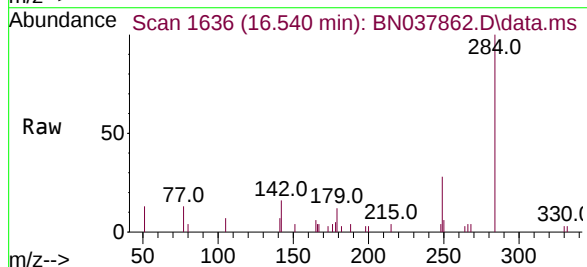
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

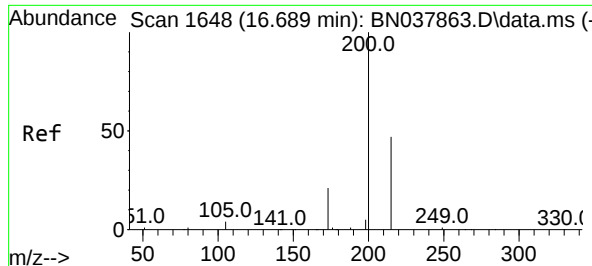
Tgt Ion	Ratio	Lower	Upper
248	100		
250	98.8	77.6	116.4
141	64.5	48.8	73.2



#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	Ratio	Lower	Upper
284	100		
142	39.2	30.9	46.3
249	30.3	23.9	35.9

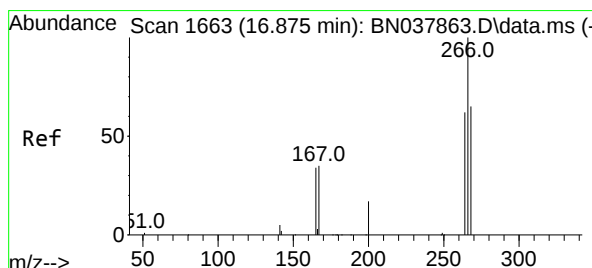
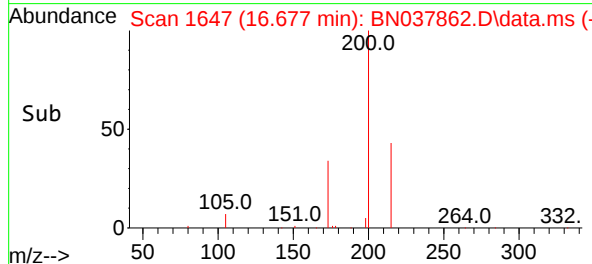
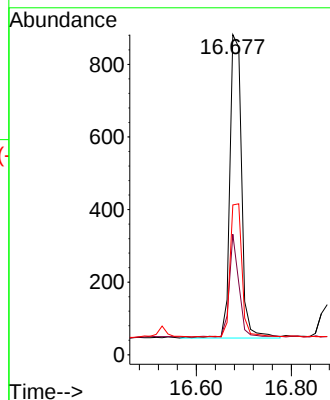
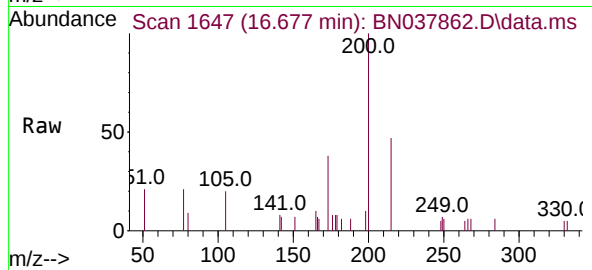




#23
Atrazine
Concen: 0.183 ng
RT: 16.677 min Scan# 1647
Delta R.T. -0.012 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

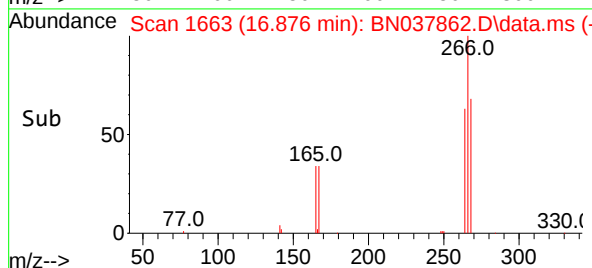
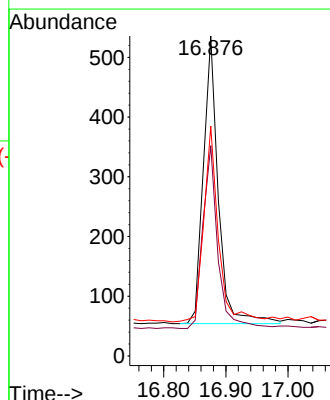
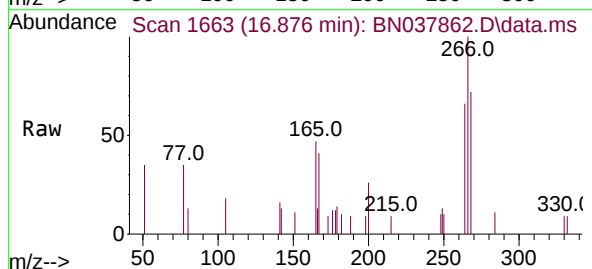
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

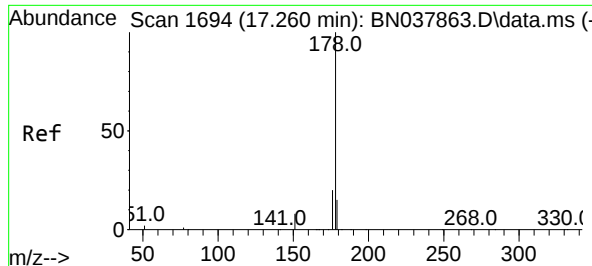
Tgt Ion:200 Resp: 1442
Ion Ratio Lower Upper
200 100
173 37.6 18.3 27.5#
215 46.8 38.6 58.0



#24
Pentachlorophenol
Concen: 0.186 ng
RT: 16.876 min Scan# 1663
Delta R.T. 0.001 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

Tgt Ion:266 Resp: 804
Ion Ratio Lower Upper
266 100
264 63.3 50.9 76.3
268 66.4 54.3 81.5





#25

Phenanthrene

Concen: 0.193 ng

RT: 17.260 min Scan# 1694

Delta R.T. 0.000 min

Lab File: BN037862.D

Acq: 23 Sep 2025 12:49

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

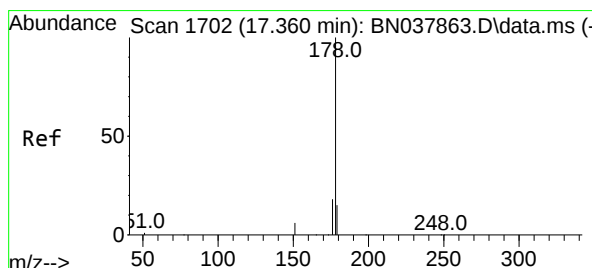
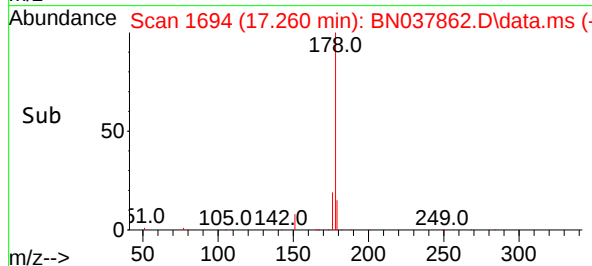
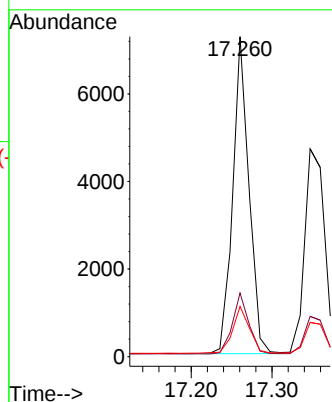
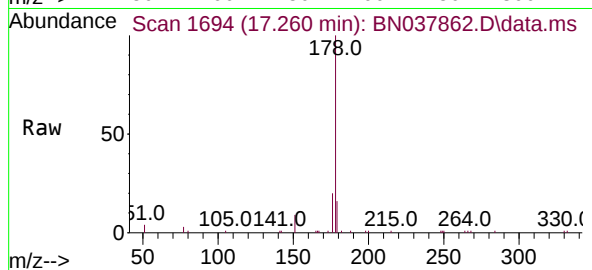
Tgt Ion:178 Resp: 10109

Ion Ratio Lower Upper

178 100

176 19.1 15.7 23.5

179 15.6 12.3 18.5



#26

Anthracene

Concen: 0.181 ng

RT: 17.347 min Scan# 1701

Delta R.T. -0.012 min

Lab File: BN037862.D

Acq: 23 Sep 2025 12:49

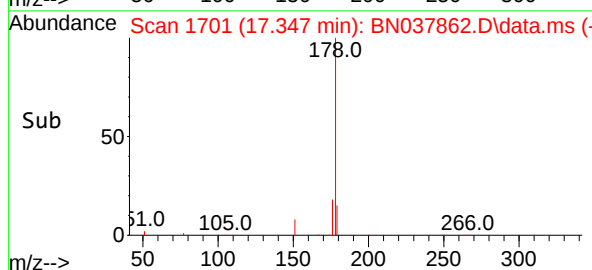
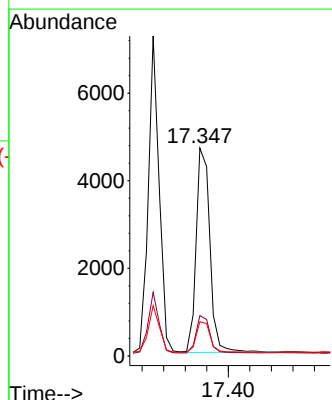
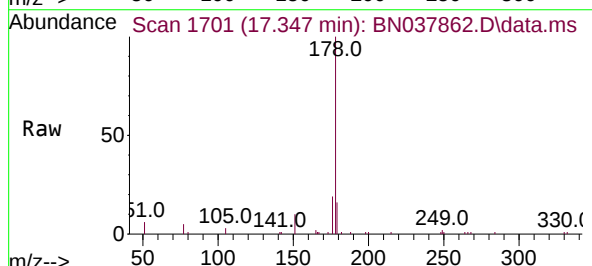
Tgt Ion:178 Resp: 8235

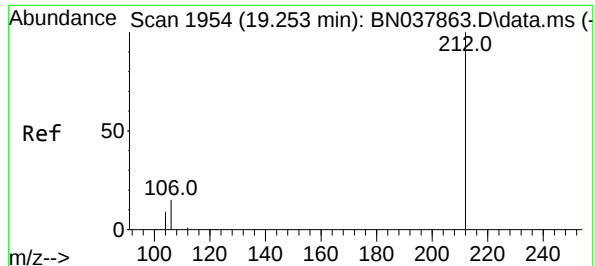
Ion Ratio Lower Upper

178 100

176 18.1 15.0 22.4

179 15.7 12.3 18.5





#27

Fluoranthene-d10

Concen: 0.182 ng

RT: 19.253 min Scan# 1954

Delta R.T. 0.000 min

Lab File: BN037862.D

Acq: 23 Sep 2025 12:49

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

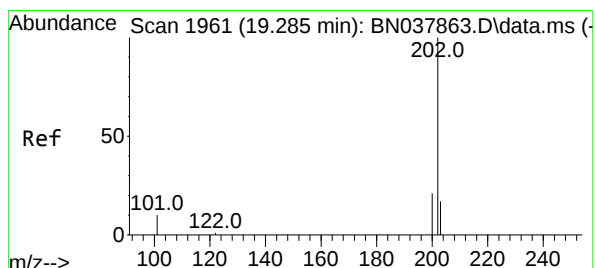
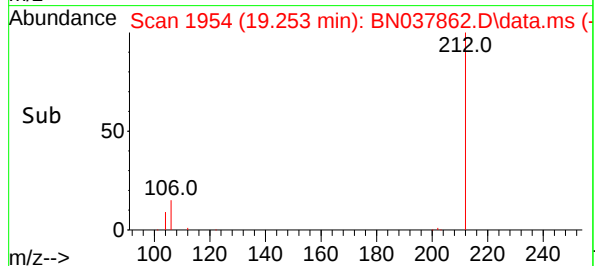
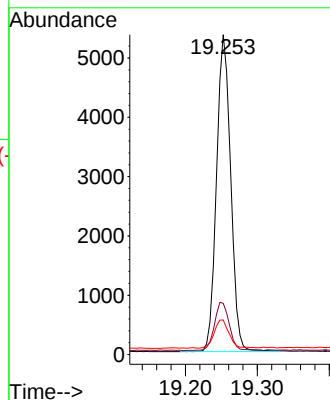
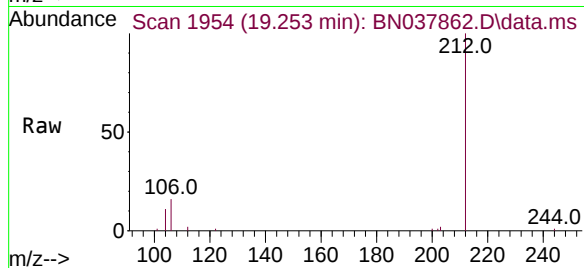
Tgt Ion:212 Resp: 7304

Ion Ratio Lower Upper

212 100

106 16.1 12.6 19.0

104 9.3 7.4 11.0



#28

Fluoranthene

Concen: 0.181 ng

RT: 19.280 min Scan# 1960

Delta R.T. -0.005 min

Lab File: BN037862.D

Acq: 23 Sep 2025 12:49

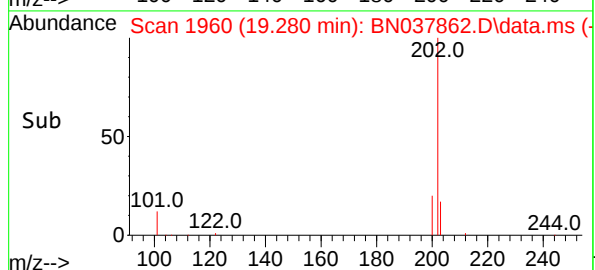
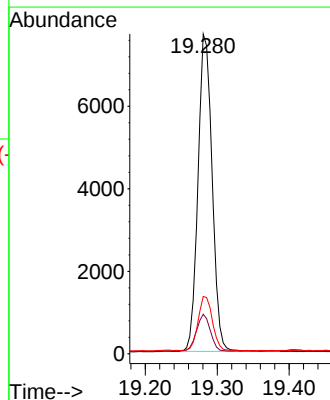
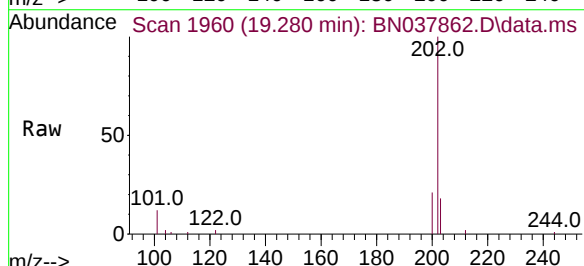
Tgt Ion:202 Resp: 10466

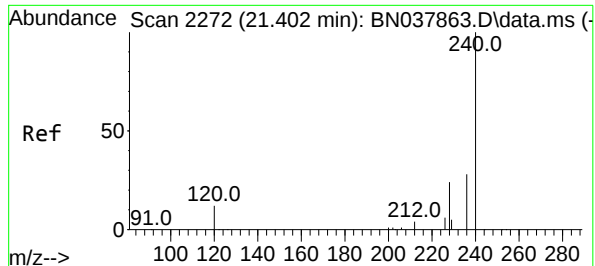
Ion Ratio Lower Upper

202 100

101 11.8 9.3 13.9

203 17.2 13.6 20.4





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.402 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN037862.D

Acq: 23 Sep 2025 12:49

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

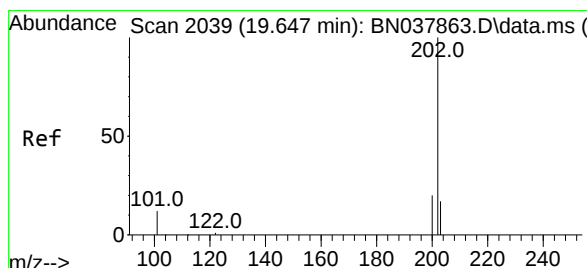
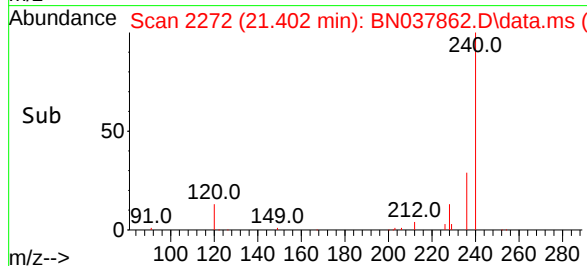
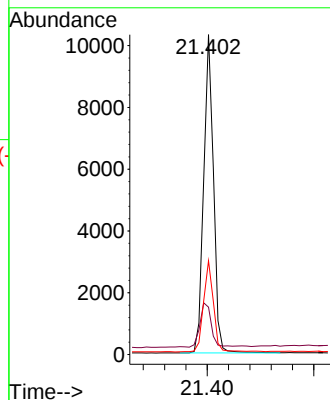
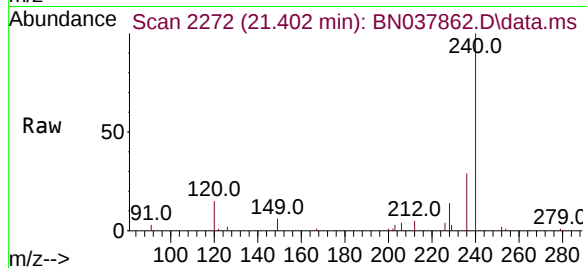
Tgt Ion:240 Resp: 13158

Ion Ratio Lower Upper

240 100

120 14.8 11.4 17.2

236 29.3 23.0 34.6



#30

Pyrene

Concen: 0.203 ng

RT: 19.643 min Scan# 2038

Delta R.T. -0.005 min

Lab File: BN037862.D

Acq: 23 Sep 2025 12:49

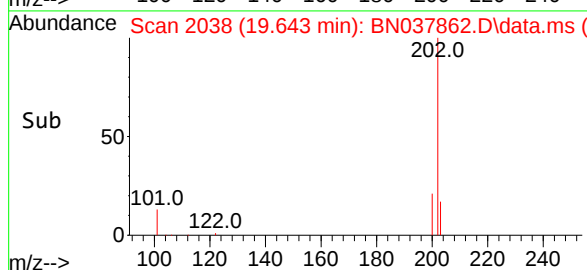
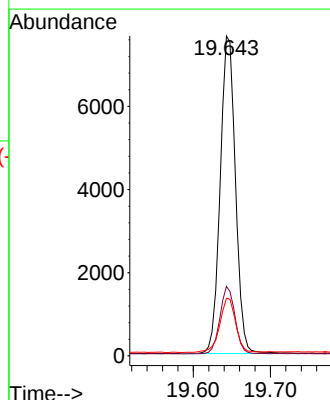
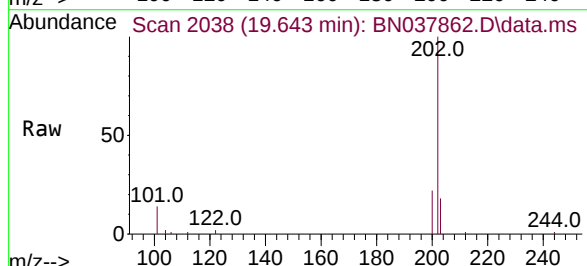
Tgt Ion:202 Resp: 10528

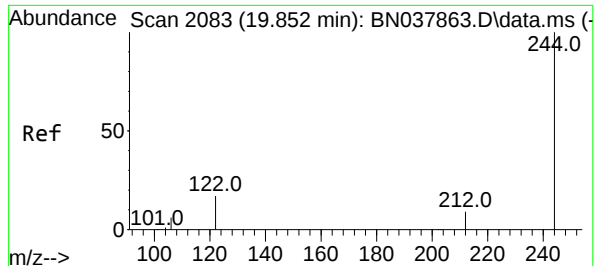
Ion Ratio Lower Upper

202 100

200 20.8 16.7 25.1

203 17.9 14.2 21.4

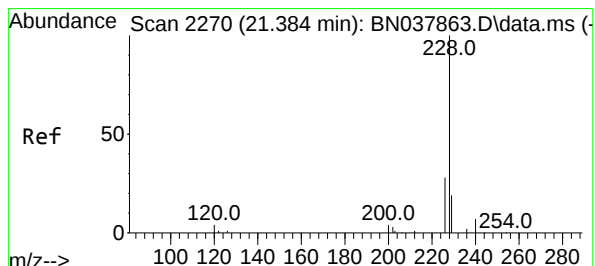
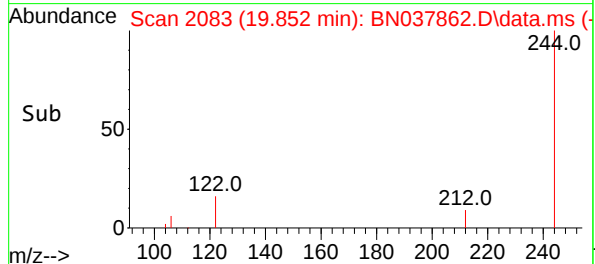
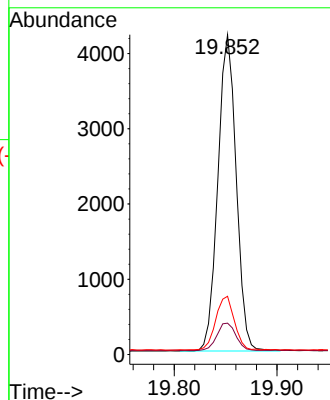
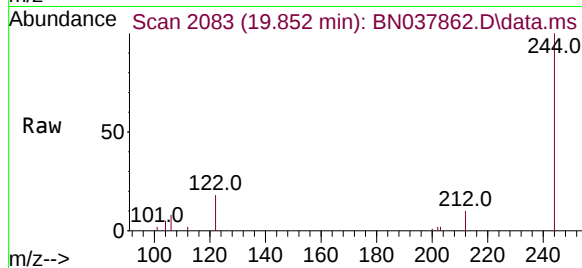




#31
Terphenyl-d14
Concen: 0.198 ng
RT: 19.852 min Scan# 2083
Delta R.T. 0.000 min
Lab File: BN037862.D
Acq: 23 Sep 2025 12:49

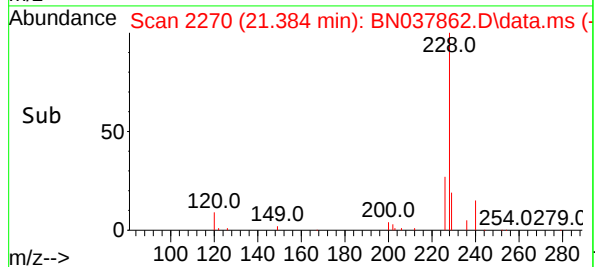
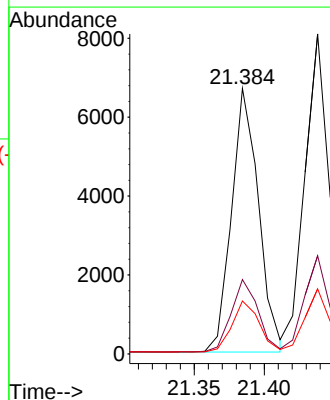
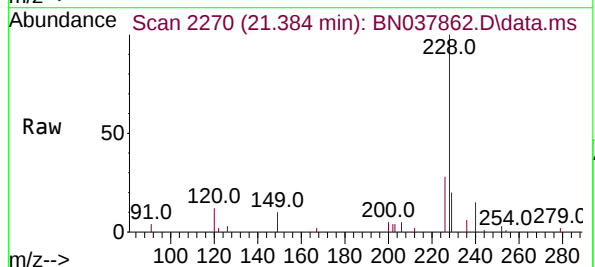
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

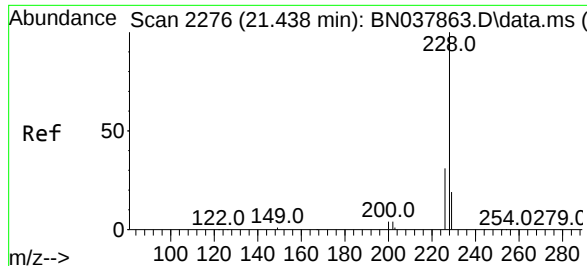
Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.8	7.6	11.4
122	18.2	13.9	20.9



#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	Ratio	Lower	Upper
228	100		
226	28.0	22.6	33.8
229	19.9	15.6	23.4





#33

Chrysene

Concen: 0.202 ng

RT: 21.438 min Scan# 2276

Delta R.T. 0.000 min

Lab File: BN037862.D

Acq: 23 Sep 2025 12:49

Instrument :

BNA_N

ClientSampleId :

SSTDIC0.2

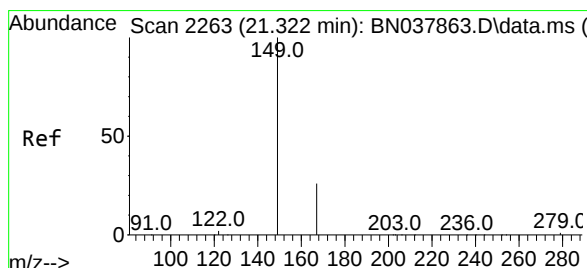
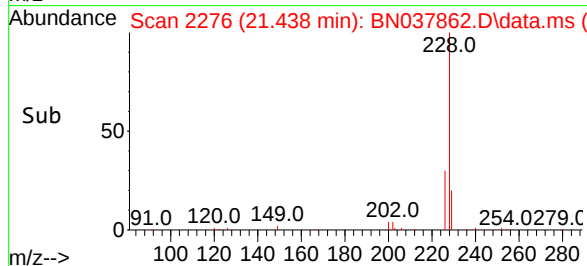
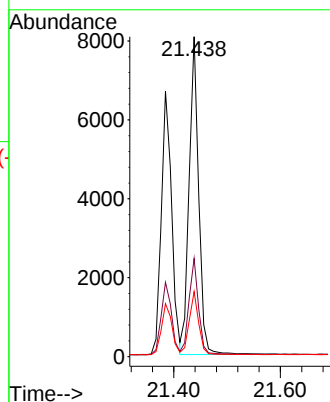
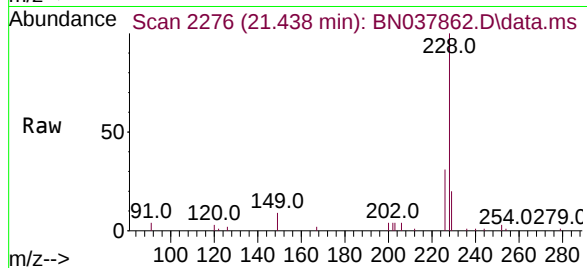
Tgt Ion:228 Resp: 10042

Ion Ratio Lower Upper

228 100

226 30.7 24.6 37.0

229 20.3 15.6 23.4



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.214 ng

RT: 21.322 min Scan# 2263

Delta R.T. 0.000 min

Lab File: BN037862.D

Acq: 23 Sep 2025 12:49

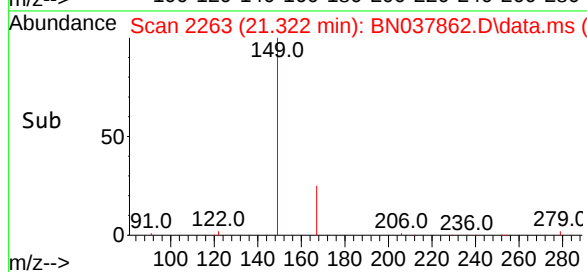
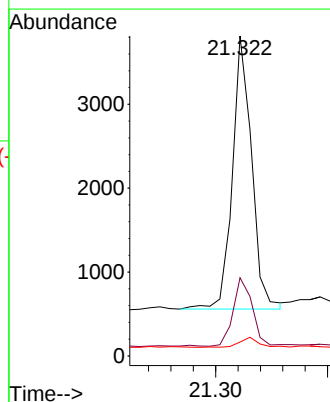
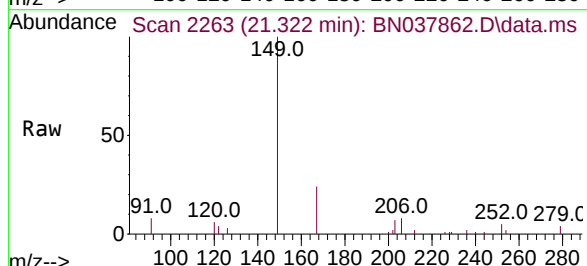
Tgt Ion:149 Resp: 3892

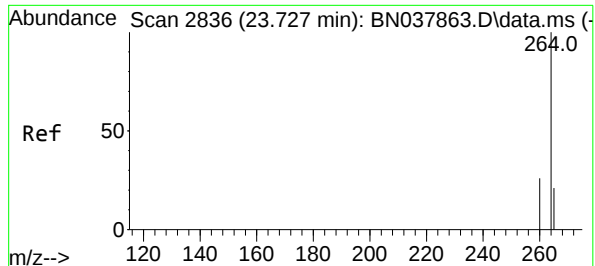
Ion Ratio Lower Upper

149 100

167 25.5 20.4 30.6

279 3.6 2.4 3.6#





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.730 min Scan# 2837

Delta R.T. 0.003 min

Lab File: BN037862.D

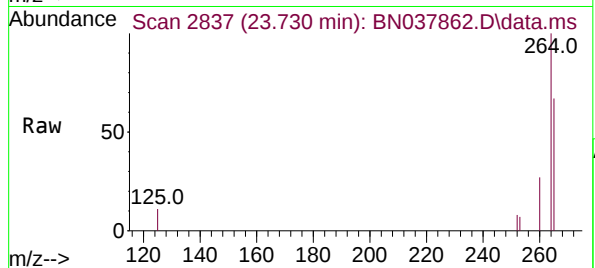
Acq: 23 Sep 2025 12:49

Instrument :

BNA_N

ClientSampleId :

SSTDIC0.2



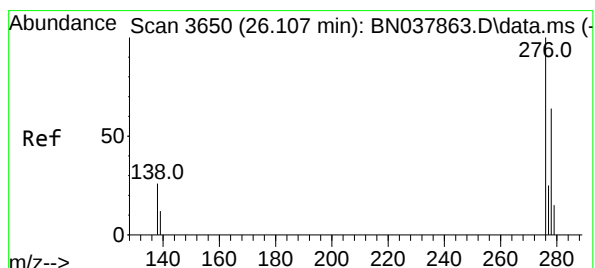
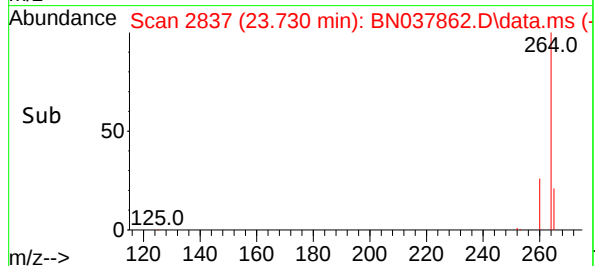
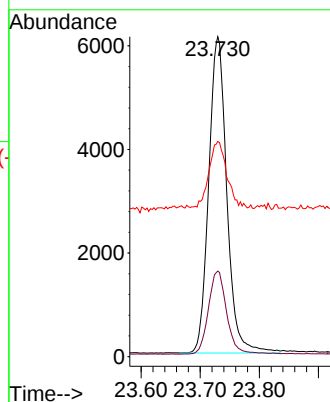
Tgt Ion:264 Resp: 12974

Ion Ratio Lower Upper

264 100

260 26.7 21.5 32.3

265 67.2 53.8 80.6



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.183 ng

RT: 26.110 min Scan# 3651

Delta R.T. 0.003 min

Lab File: BN037862.D

Acq: 23 Sep 2025 12:49

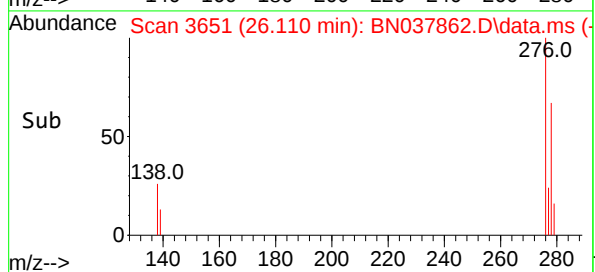
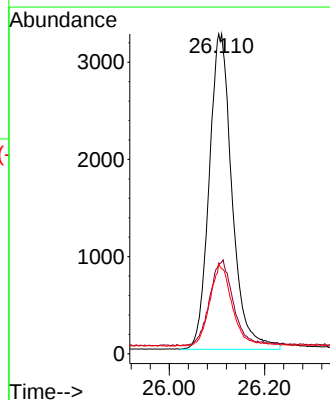
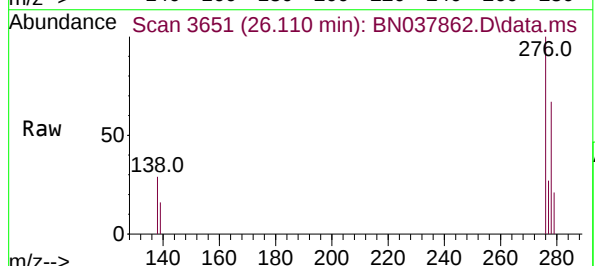
Tgt Ion:276 Resp: 10845

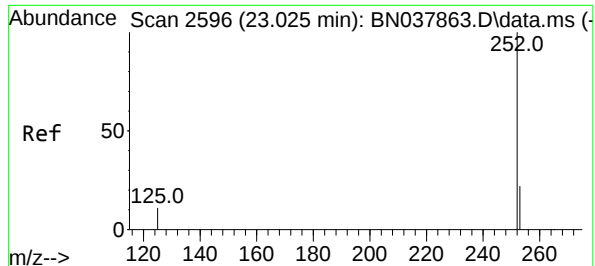
Ion Ratio Lower Upper

276 100

138 27.3 21.4 32.0

277 25.3 20.3 30.5





#37

Benzo(b)fluoranthene

Concen: 0.186 ng

RT: 23.025 min Scan# 2596

Delta R.T. 0.000 min

Lab File: BN037862.D

Acq: 23 Sep 2025 12:49

Instrument :

BNA_N

ClientSampleId :

SSTDIC0.2

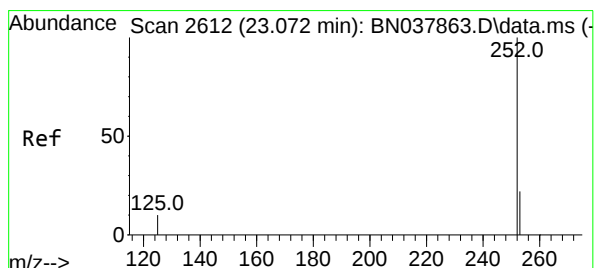
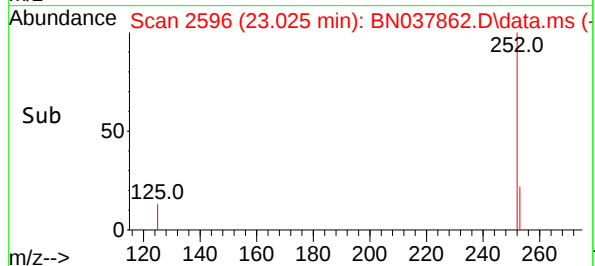
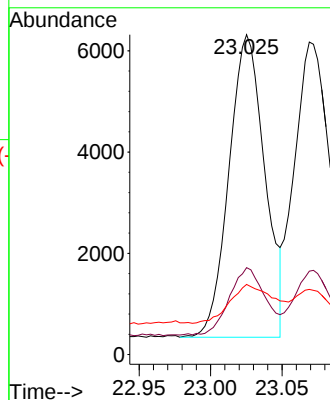
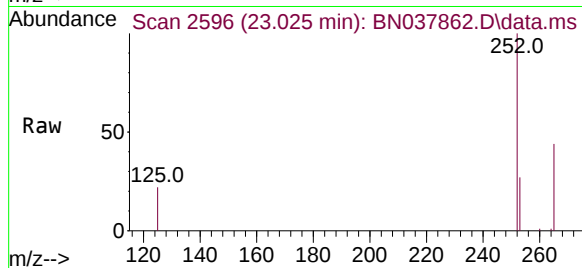
Tgt Ion:252 Resp: 10420

Ion Ratio Lower Upper

252 100

253 27.2 19.4 29.0

125 21.9 13.0 19.4#



#38

Benzo(k)fluoranthene

Concen: 0.183 ng

RT: 23.069 min Scan# 2611

Delta R.T. -0.003 min

Lab File: BN037862.D

Acq: 23 Sep 2025 12:49

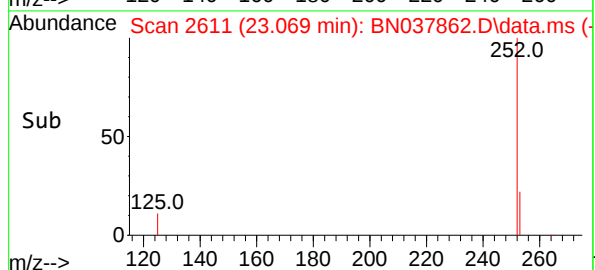
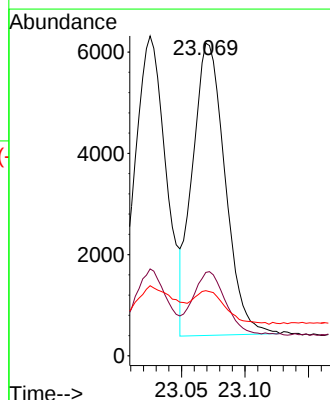
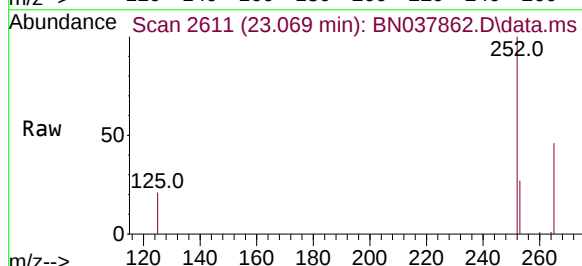
Tgt Ion:252 Resp: 10290

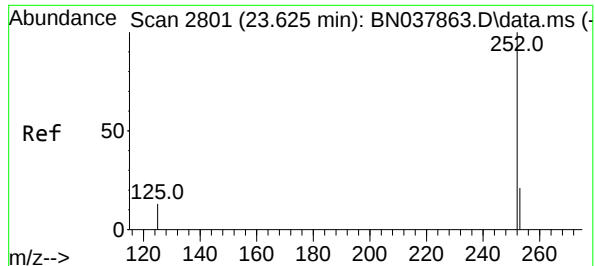
Ion Ratio Lower Upper

252 100

253 26.7 19.5 29.3

125 20.9 13.0 19.4#





#39

Benzo(a)pyrene

Concen: 0.190 ng

RT: 23.628 min Scan# 2801

Delta R.T. 0.003 min

Lab File: BN037862.D

Acq: 23 Sep 2025 12:49

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

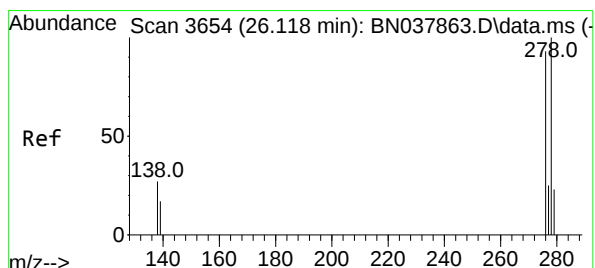
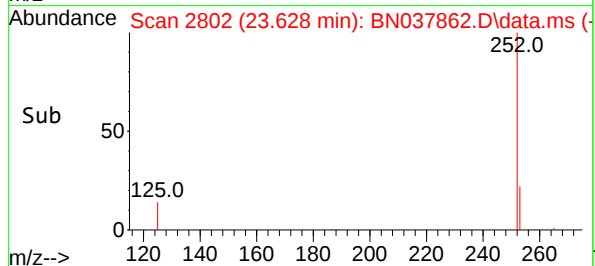
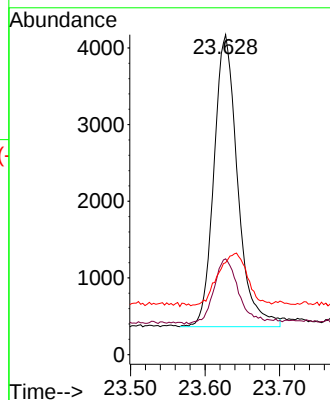
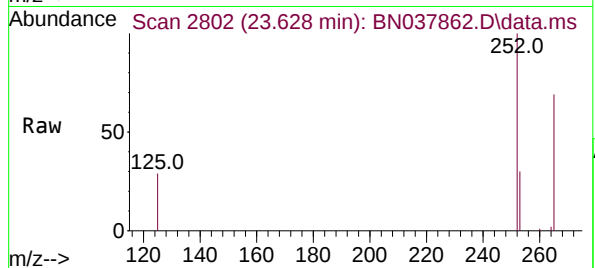
Tgt Ion:252 Resp: 8405

Ion Ratio Lower Upper

252 100

253 29.9 20.6 30.8

125 28.7 16.7 25.1#



#40

Dibenzo(a,h)anthracene

Concen: 0.180 ng

RT: 26.121 min Scan# 3655

Delta R.T. 0.003 min

Lab File: BN037862.D

Acq: 23 Sep 2025 12:49

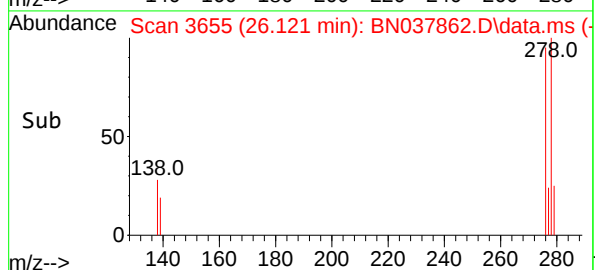
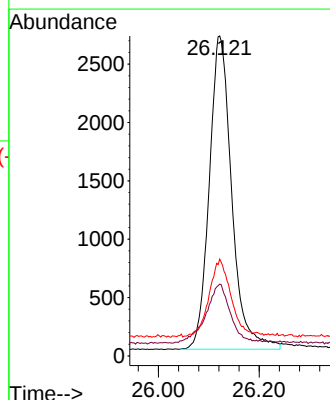
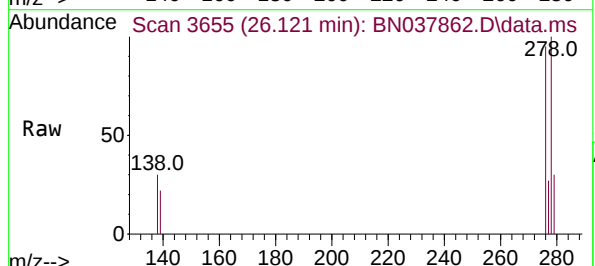
Tgt Ion:278 Resp: 8321

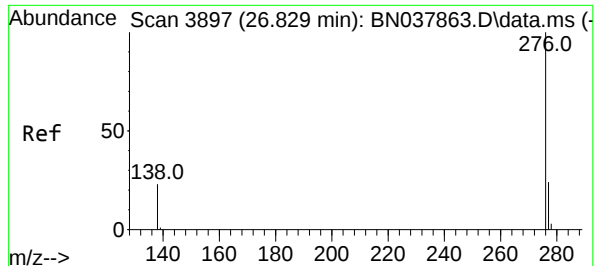
Ion Ratio Lower Upper

278 100

139 22.4 15.4 23.2

279 30.3 20.8 31.2





#41

Benzo(g,h,i)perylene

Concen: 0.184 ng

RT: 26.826 min Scan# 38

Delta R.T. -0.003 min

Lab File: BN037862.D

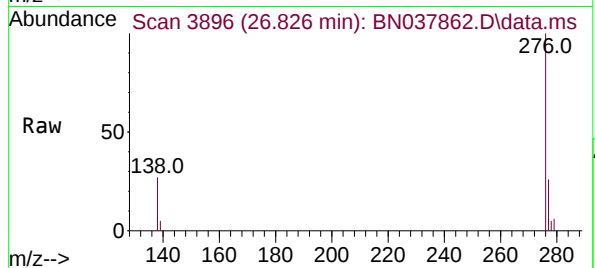
Acq: 23 Sep 2025 12:49

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2



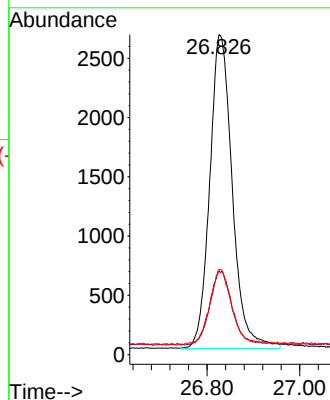
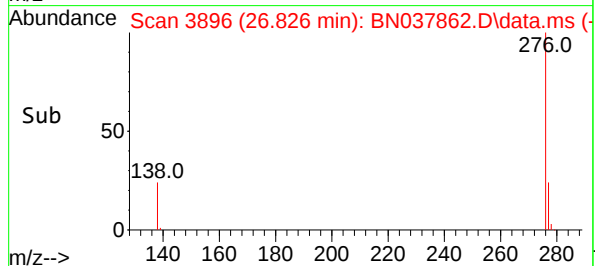
Tgt Ion:276 Resp: 8956

Ion Ratio Lower Upper

276 100

277 26.1 20.2 30.4

138 26.7 19.8 29.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092325\
 Data File : BN037863.D
 Acq On : 23 Sep 2025 13:25
 Operator : RC/JU
 Sample : SSTDICCC0.4
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICCC0.4

Quant Time: Sep 23 16:21:54 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 23 16:17:53 2025
 Response via : Initial Calibration

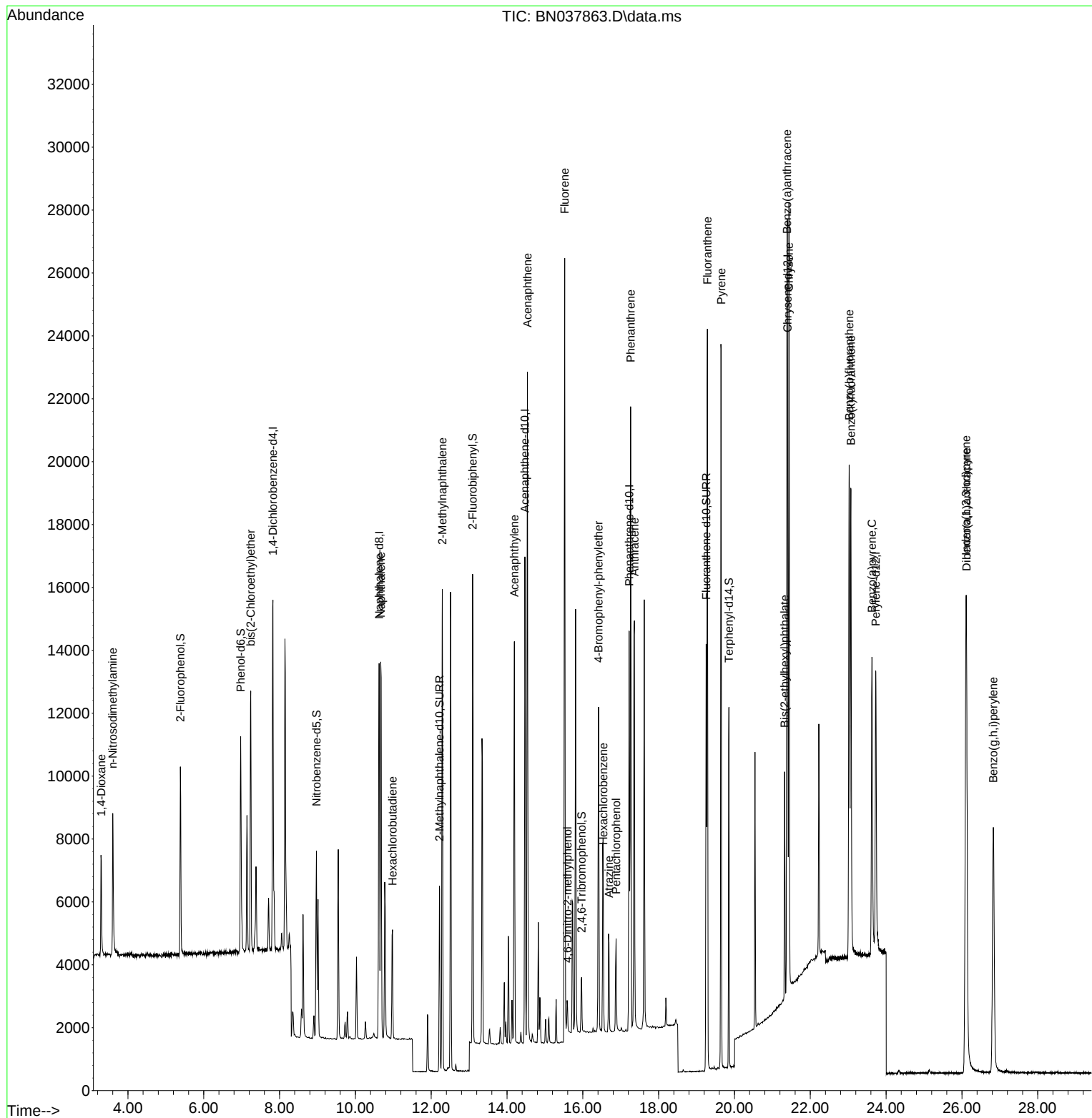
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.825	152	5584	0.400	ng	0.00
7) Naphthalene-d8	10.626	136	15792	0.400	ng	0.00
13) Acenaphthene-d10	14.473	164	8247	0.400	ng	0.00
19) Phenanthrene-d10	17.223	188	15939	0.400	ng	0.00
29) Chrysene-d12	21.402	240	13579	0.400	ng	0.00
35) Perylene-d12	23.727	264	12579	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.384	112	4779	0.375	ng	0.00
5) Phenol-d6	6.973	99	6244	0.373	ng	0.00
8) Nitrobenzene-d5	8.971	82	4566	0.379	ng	0.00
11) 2-Methylnaphthalene-d10	12.217	152	7877	0.359	ng	0.00
14) 2,4,6-Tribromophenol	15.969	330	1117	0.336	ng	0.00
15) 2-Fluorobiphenyl	13.094	172	12861	0.381	ng	0.00
27) Fluoranthene-d10	19.253	212	14130	0.352	ng	0.00
31) Terphenyl-d14	19.852	244	10222	0.378	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.297	88	2288	0.404	ng	100
3) n-Nitrosodimethylamine	3.601	42	2885	0.383	ng	100
6) bis(2-Chloroethyl)ether	7.240	93	6041	0.389	ng	100
9) Naphthalene	10.669	128	16547	0.380	ng	100
10) Hexachlorobutadiene	10.979	225	2874	0.387	ng	# 100
12) 2-Methylnaphthalene	12.293	142	10542	0.371	ng	100
16) Acenaphthylene	14.195	152	13712	0.366	ng	100
17) Acenaphthene	14.537	154	9880	0.370	ng	100
18) Fluorene	15.523	166	11975	0.371	ng	100
20) 4,6-Dinitro-2-methylph...	15.597	198	696	0.406	ng	100
21) 4-Bromophenyl-phenylether	16.416	248	3896	0.375	ng	100
22) Hexachlorobenzene	16.540	284	4854	0.385	ng	100
23) Atrazine	16.689	200	2739	0.346	ng	100
24) Pentachlorophenol	16.875	266	1466	0.339	ng	100
25) Phenanthrene	17.260	178	19609	0.374	ng	100
26) Anthracene	17.360	178	16310	0.358	ng	100
28) Fluoranthene	19.285	202	20902	0.362	ng	100
30) Pyrene	19.647	202	20652	0.385	ng	100
32) Benzo(a)anthracene	21.384	228	17571	0.370	ng	100
33) Chrysene	21.438	228	19852	0.387	ng	100
34) Bis(2-ethylhexyl)phtha...	21.322	149	6617	0.352	ng	99
36) Indeno(1,2,3-cd)pyrene	26.107	276	20858	0.363	ng	100
37) Benzo(b)fluoranthene	23.025	252	20638	0.380	ng	100
38) Benzo(k)fluoranthene	23.072	252	20090	0.368	ng	100
39) Benzo(a)pyrene	23.625	252	15479	0.361	ng	100
40) Dibenzo(a,h)anthracene	26.118	278	16392	0.365	ng	100
41) Benzo(g,h,i)perylene	26.829	276	17656	0.374	ng	100

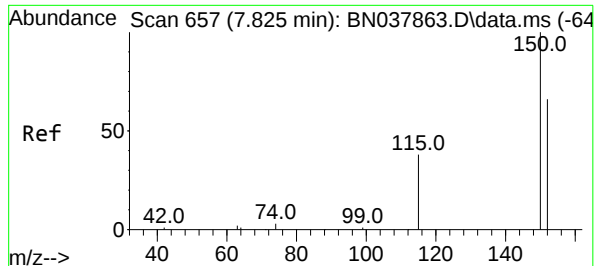
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092325\
Data File : BN037863.D
Acq On : 23 Sep 2025 13:25
Operator : RC/JU
Sample : SSTDICCC0.4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Quant Time: Sep 23 16:21:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 23 16:17:53 2025
Response via : Initial Calibration

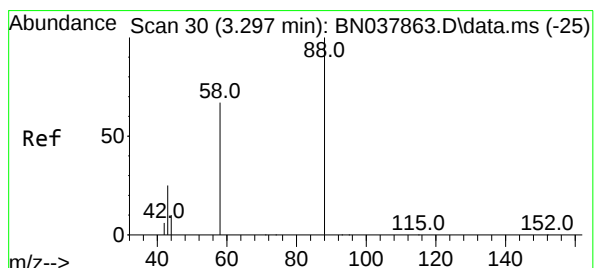
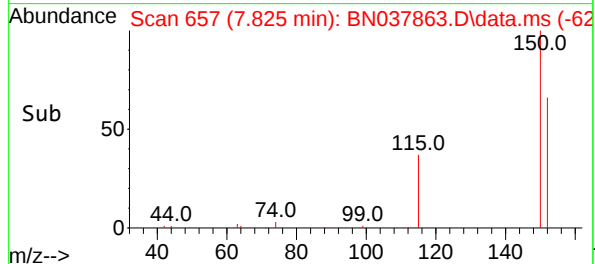
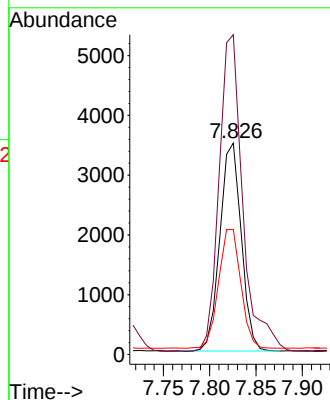
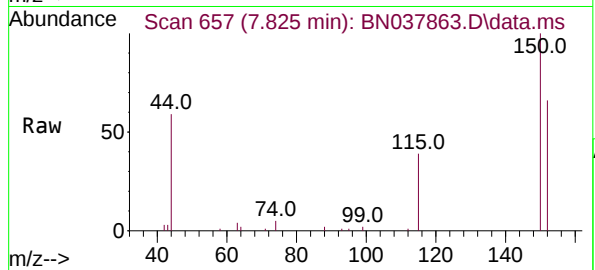




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.825 min Scan# 61
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

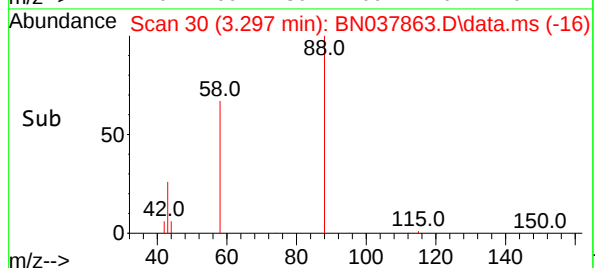
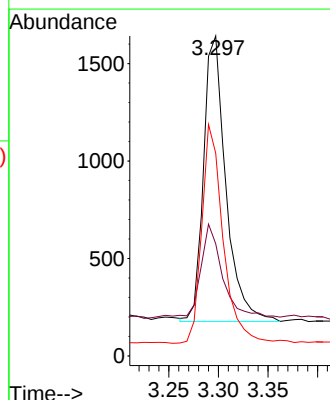
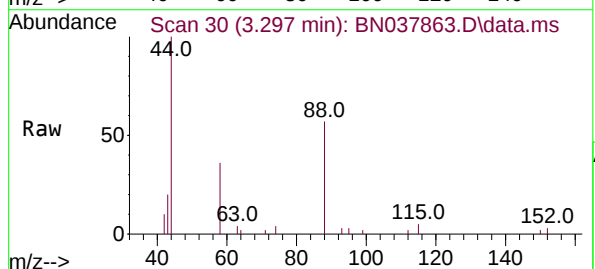
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

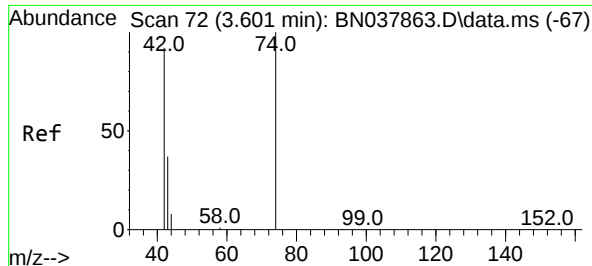
Tgt Ion:152 Resp: 5584
Ion Ratio Lower Upper
152 100
150 151.2 121.0 181.4
115 59.2 47.4 71.0



#2
1,4-Dioxane
Concen: 0.404 ng
RT: 3.297 min Scan# 30
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

Tgt Ion: 88 Resp: 2288
Ion Ratio Lower Upper
88 100
43 33.2 26.6 39.8
58 73.6 58.9 88.3

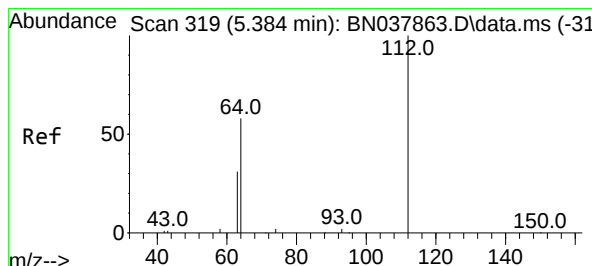
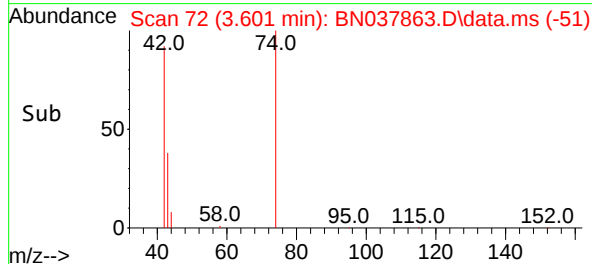
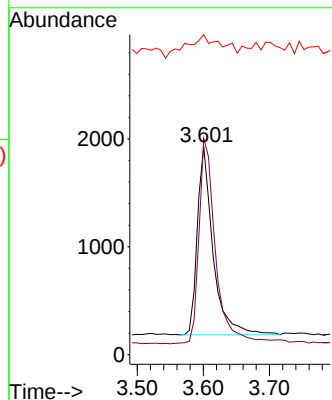
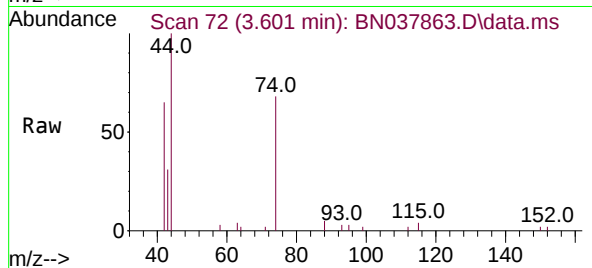




#3
n-Nitrosodimethylamine
Concen: 0.383 ng
RT: 3.601 min Scan# 72
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

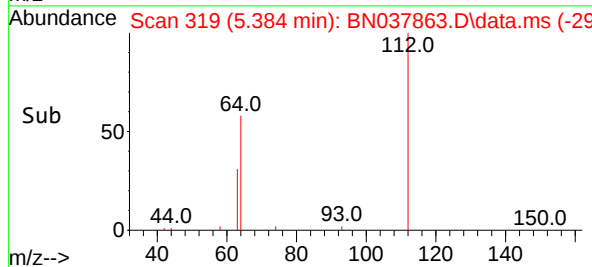
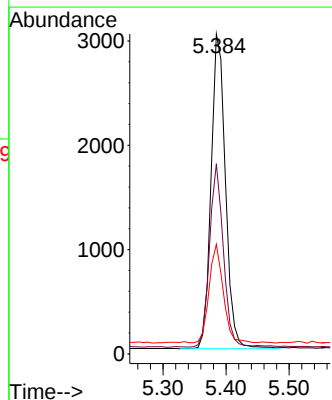
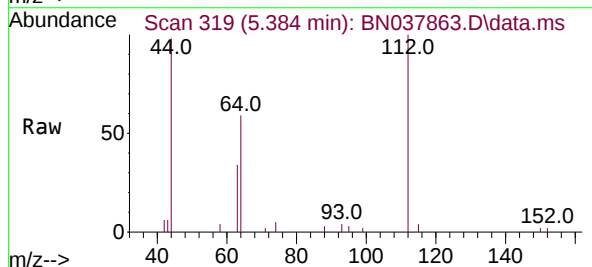
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

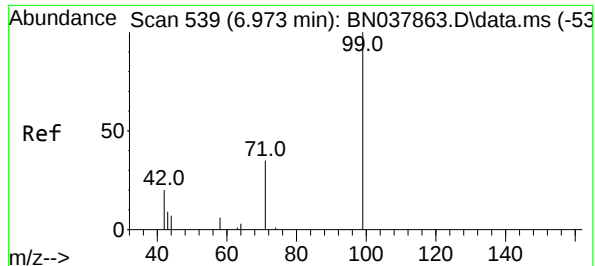
Tgt Ion: 42 Resp: 2885
Ion Ratio Lower Upper
42 100
74 116.7 93.4 140.0
44 27.8 22.2 33.4



#4
2-Fluorophenol
Concen: 0.375 ng
RT: 5.384 min Scan# 319
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

Tgt Ion: 112 Resp: 4779
Ion Ratio Lower Upper
112 100
64 55.7 44.6 66.8
63 31.1 24.9 37.3

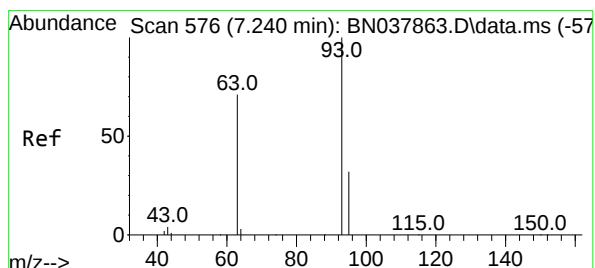
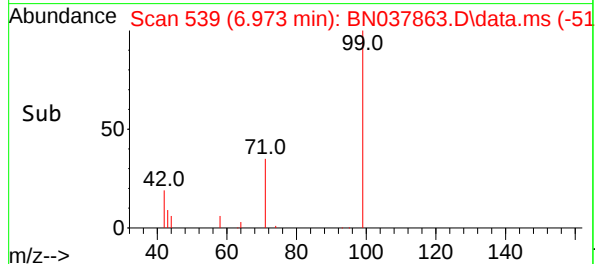
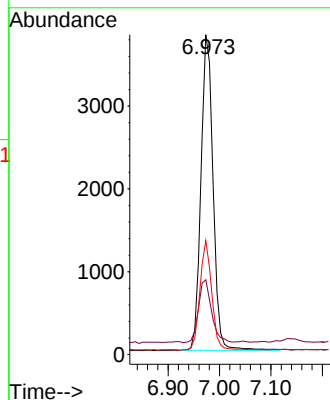
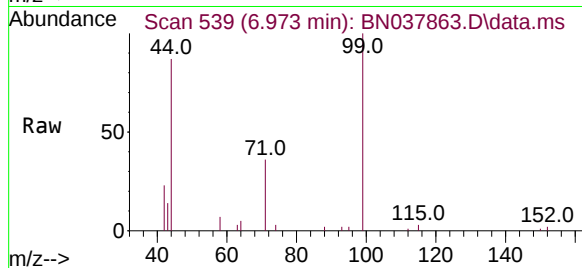




#5
Phenol-d6
Concen: 0.373 ng
RT: 6.973 min Scan# 539
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

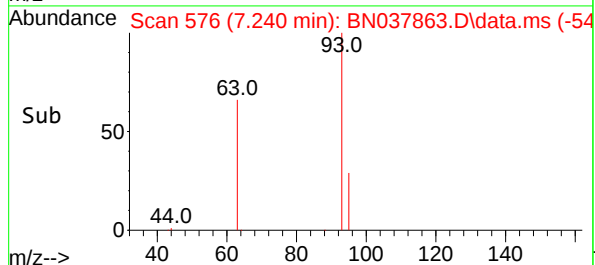
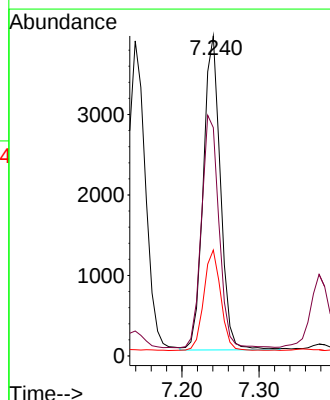
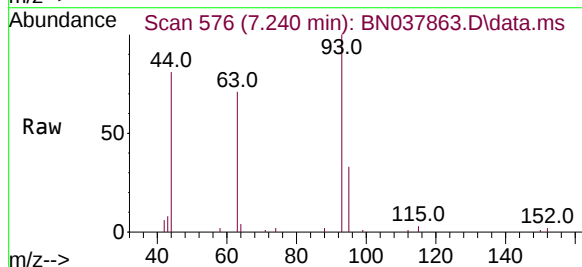
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

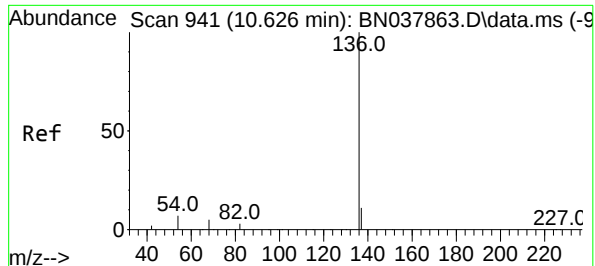
Tgt Ion:	99	Resp:	6244
Ion	Ratio	Lower	Upper
99	100		
42	21.5	17.2	25.8
71	34.1	27.3	40.9



#6
bis(2-Chloroethyl)ether
Concen: 0.389 ng
RT: 7.240 min Scan# 576
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

Tgt Ion:	93	Resp:	6041
Ion	Ratio	Lower	Upper
93	100		
63	75.1	60.1	90.1
95	31.8	25.4	38.2

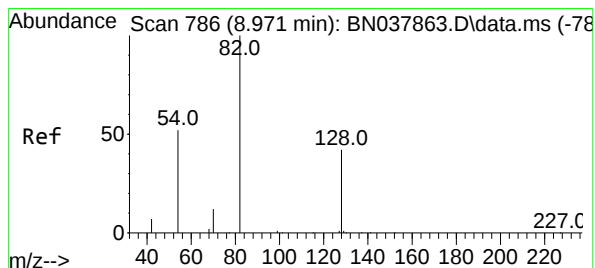
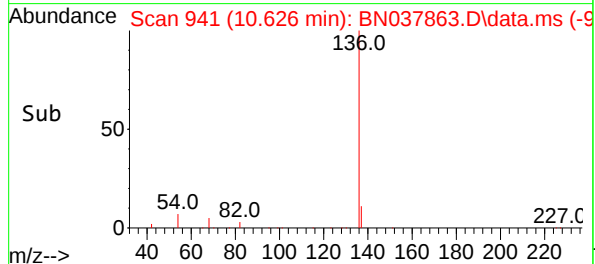
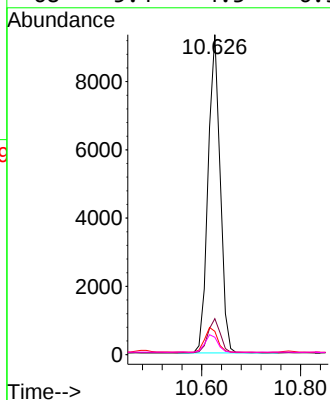
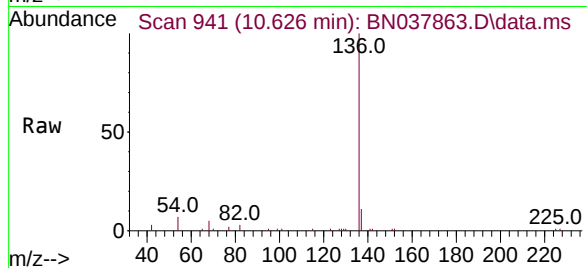




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.626 min Scan# 941
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

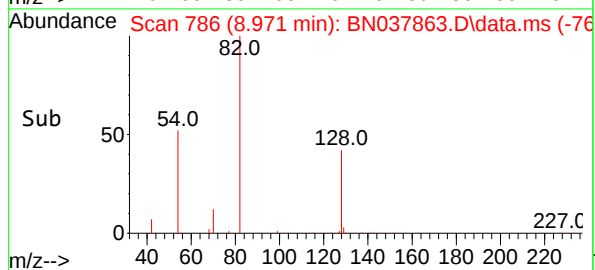
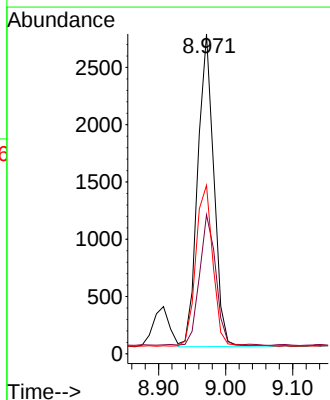
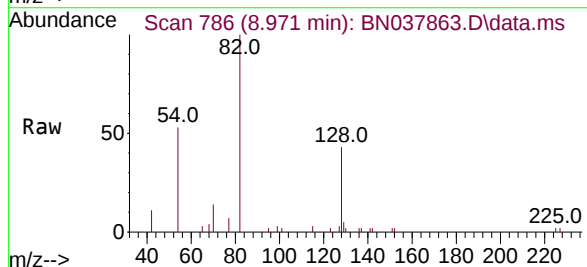
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

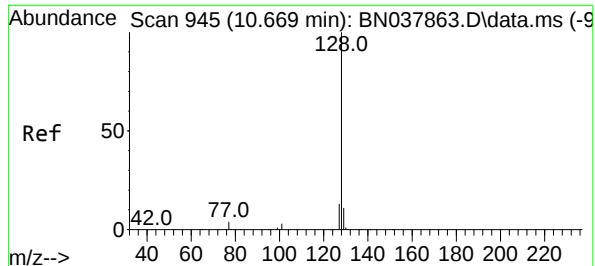
Tgt Ion:	136	Resp:	15792
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	7.3	5.8	8.8
68	5.4	4.3	6.5



#8
Nitrobenzene-d5
Concen: 0.379 ng
RT: 8.971 min Scan# 786
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

Tgt Ion:	82	Resp:	4566
Ion	Ratio	Lower	Upper
82	100		
128	43.5	34.8	52.2
54	52.7	42.2	63.2

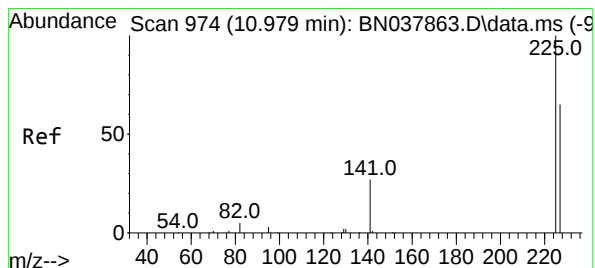
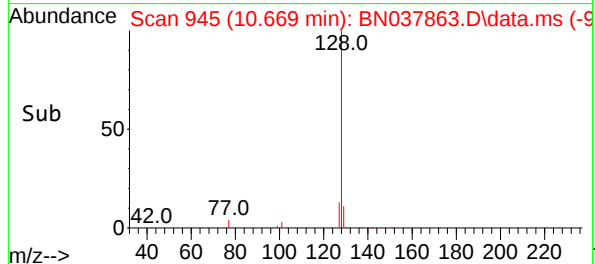
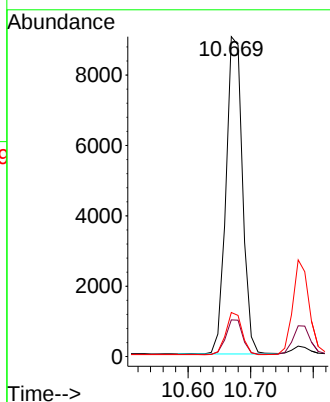
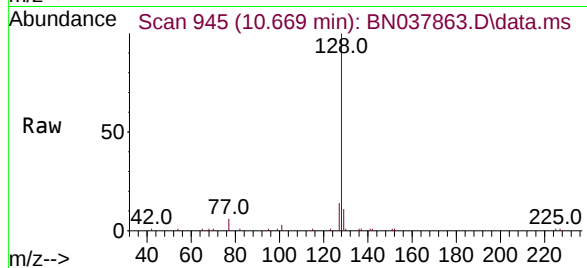




#9
Naphthalene
Concen: 0.380 ng
RT: 10.669 min Scan# 945
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

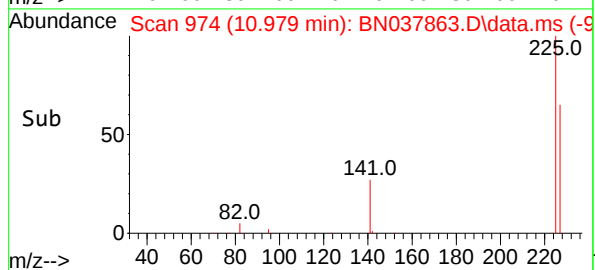
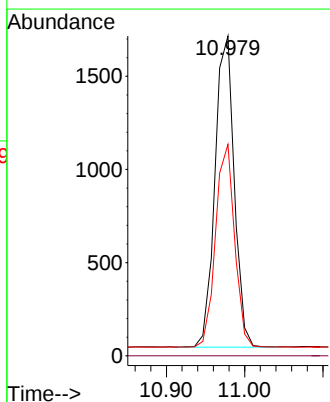
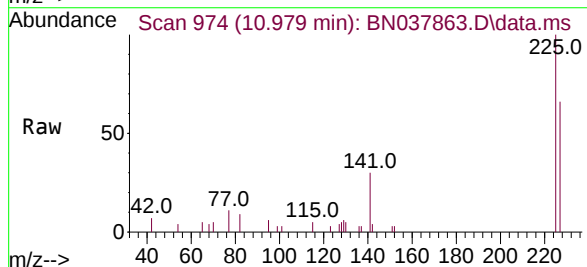
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

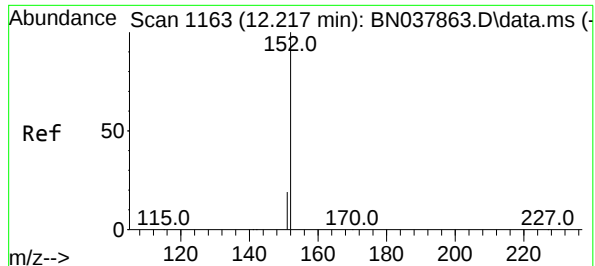
Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.2	13.8
127	13.8	11.0	16.6



#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	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.3	51.4	77.2

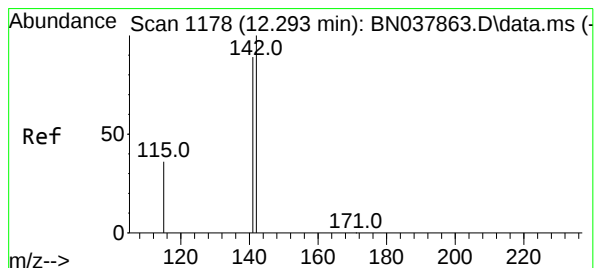
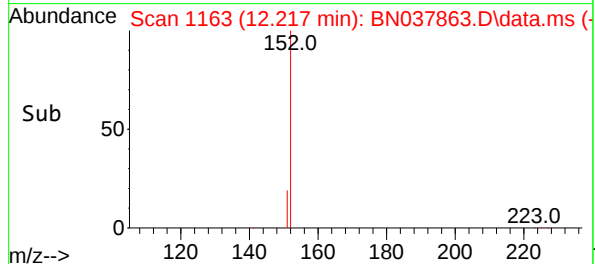
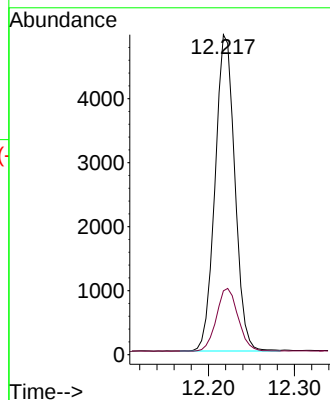
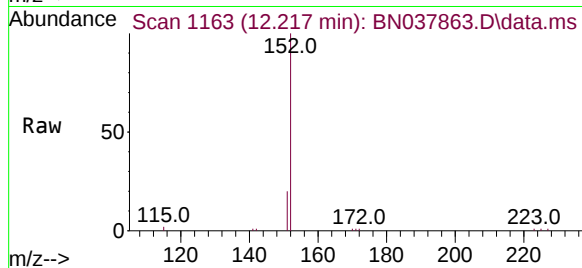




#11
2-Methylnaphthalene-d10
Concen: 0.359 ng
RT: 12.217 min Scan# 1163
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

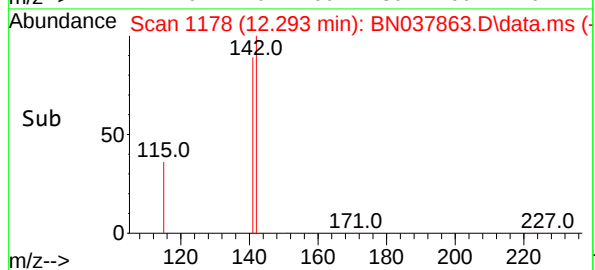
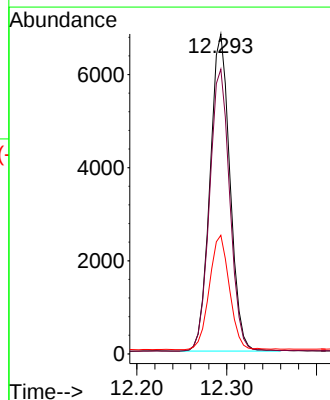
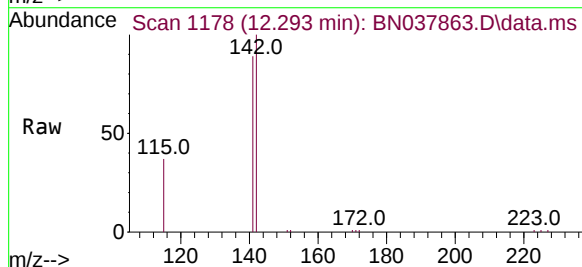
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

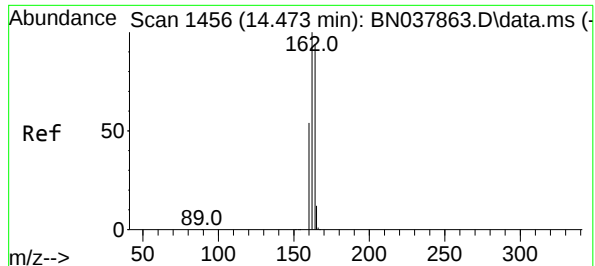
Tgt Ion:152 Resp: 7877
Ion Ratio Lower Upper
152 100
151 21.8 17.4 26.2



#12
2-Methylnaphthalene
Concen: 0.371 ng
RT: 12.293 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

Tgt Ion:142 Resp: 10542
Ion Ratio Lower Upper
142 100
141 89.0 71.2 106.8
115 37.1 29.7 44.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.473 min Scan# 1456

Delta R.T. 0.000 min

Lab File: BN037863.D

Acq: 23 Sep 2025 13:25

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

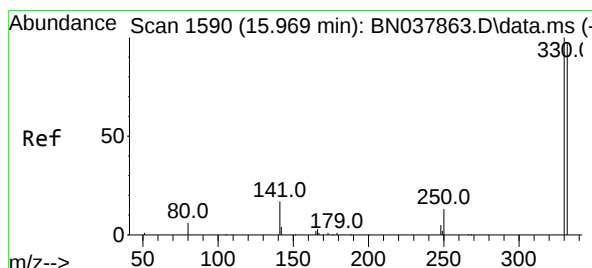
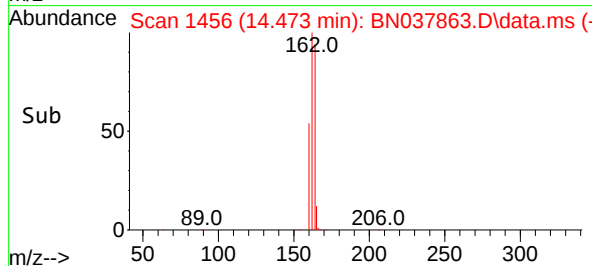
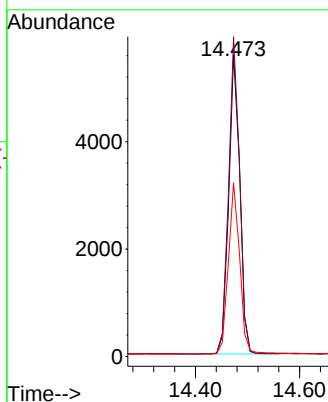
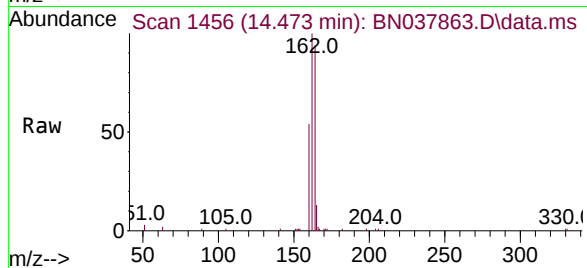
Tgt Ion:164 Resp: 8247

Ion Ratio Lower Upper

164 100

162 106.0 84.8 127.2

160 57.6 46.1 69.1



#14

2,4,6-Tribromophenol

Concen: 0.336 ng

RT: 15.969 min Scan# 1590

Delta R.T. 0.000 min

Lab File: BN037863.D

Acq: 23 Sep 2025 13:25

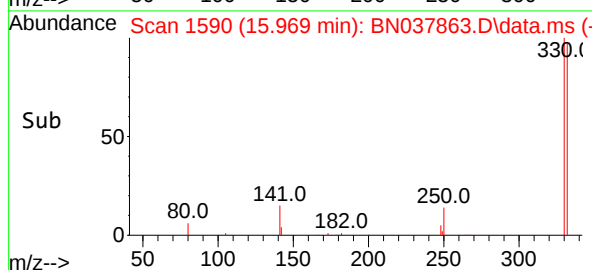
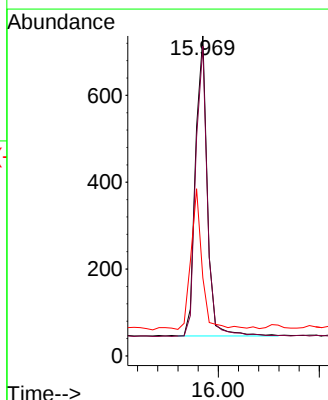
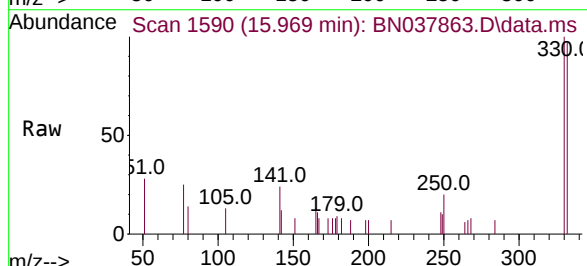
Tgt Ion:330 Resp: 1117

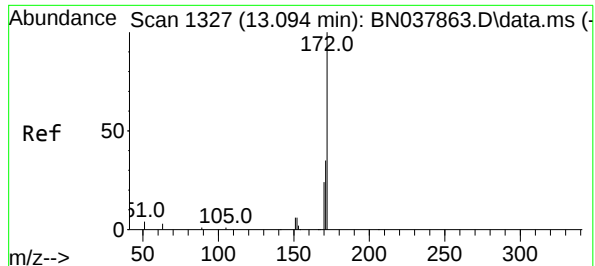
Ion Ratio Lower Upper

330 100

332 96.4 77.2 115.8

141 46.4 37.2 55.8





#15

2-Fluorobiphenyl

Concen: 0.381 ng

RT: 13.094 min Scan# 1327

Delta R.T. 0.000 min

Lab File: BN037863.D

Acq: 23 Sep 2025 13:25

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

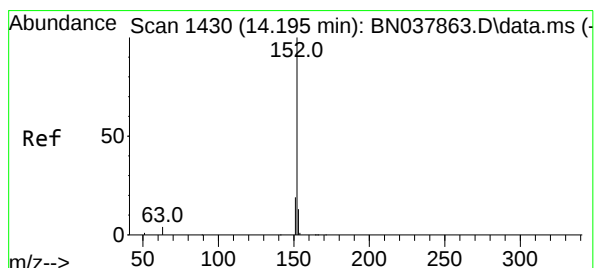
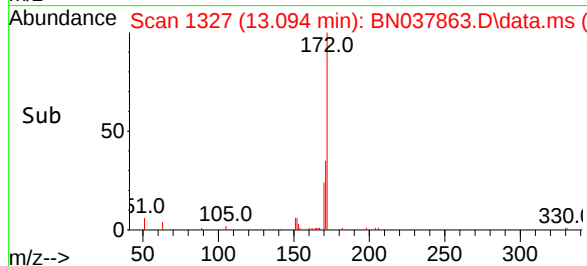
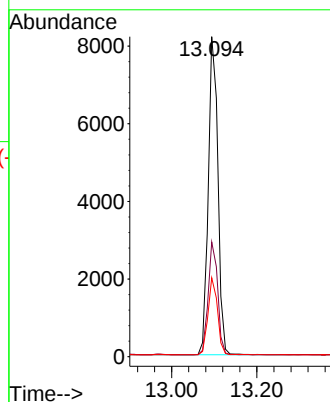
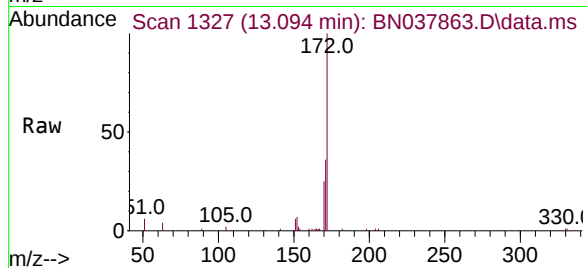
Tgt Ion:172 Resp: 12861

Ion Ratio Lower Upper

172 100

171 35.8 28.6 43.0

170 24.6 19.7 29.5



#16

Acenaphthylene

Concen: 0.366 ng

RT: 14.195 min Scan# 1430

Delta R.T. 0.000 min

Lab File: BN037863.D

Acq: 23 Sep 2025 13:25

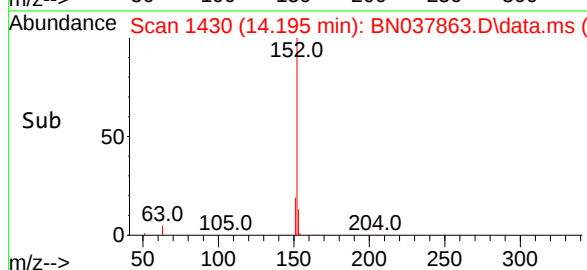
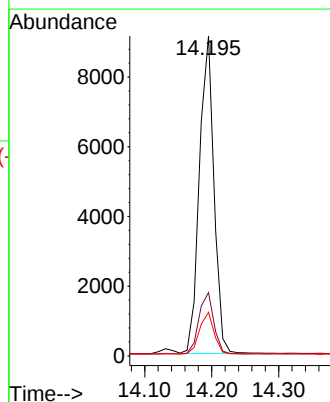
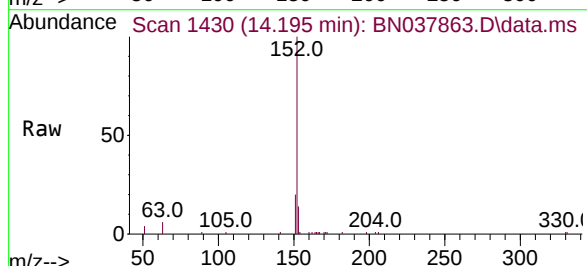
Tgt Ion:152 Resp: 13712

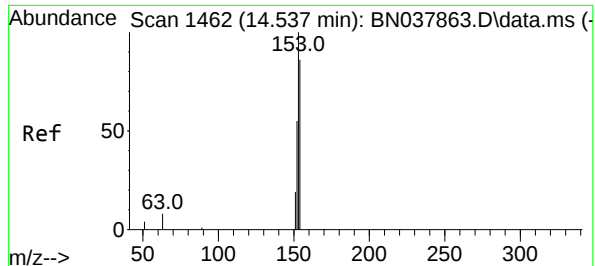
Ion Ratio Lower Upper

152 100

151 19.8 15.8 23.8

153 13.1 10.5 15.7





#17

Acenaphthene

Concen: 0.370 ng

RT: 14.537 min Scan# 1462

Delta R.T. 0.000 min

Lab File: BN037863.D

Acq: 23 Sep 2025 13:25

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

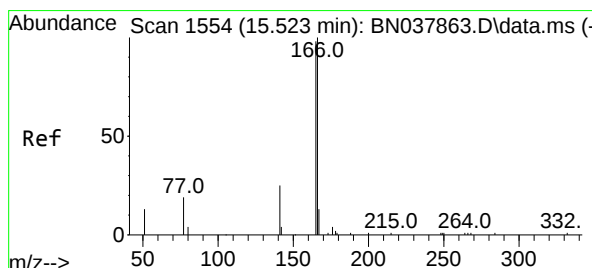
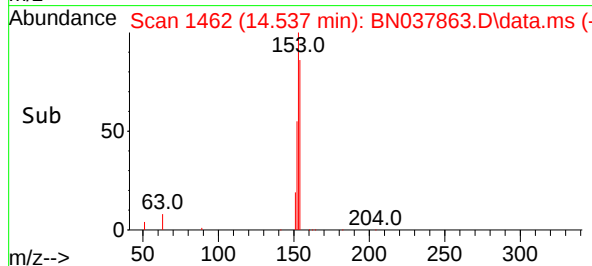
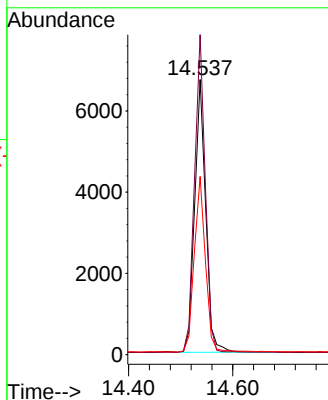
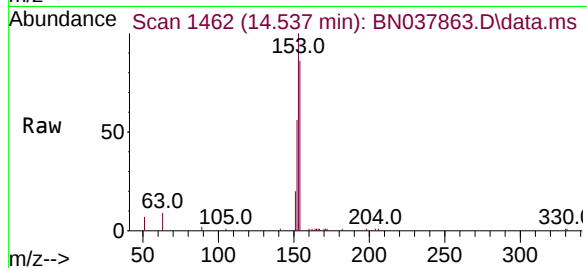
Tgt Ion:154 Resp: 9880

Ion Ratio Lower Upper

154 100

153 113.1 90.5 135.7

152 64.8 51.8 77.8



#18

Fluorene

Concen: 0.371 ng

RT: 15.523 min Scan# 1554

Delta R.T. 0.000 min

Lab File: BN037863.D

Acq: 23 Sep 2025 13:25

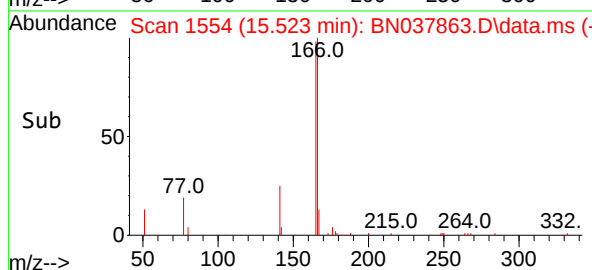
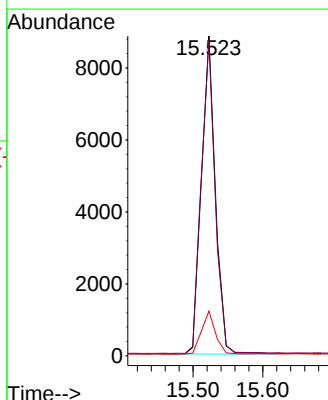
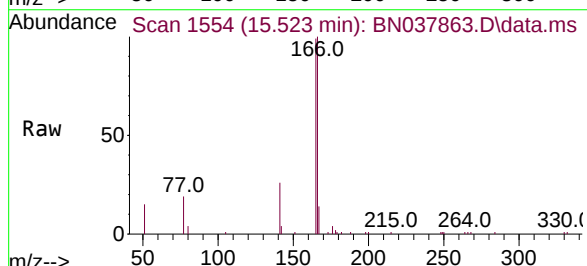
Tgt Ion:166 Resp: 11975

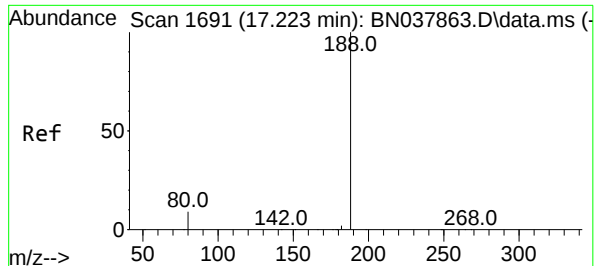
Ion Ratio Lower Upper

166 100

165 99.0 79.0 118.4

167 13.3 10.6 16.0





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.223 min Scan# 1691

Delta R.T. 0.000 min

Lab File: BN037863.D

Acq: 23 Sep 2025 13:25

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

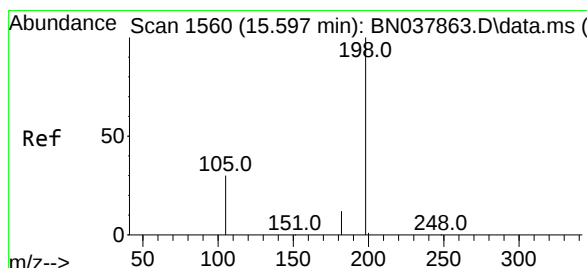
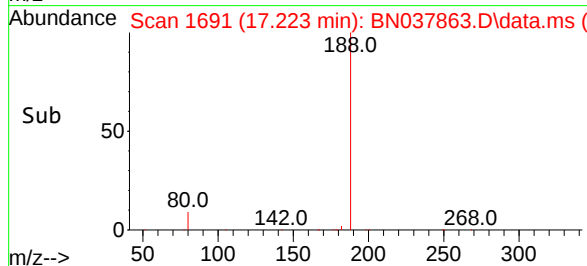
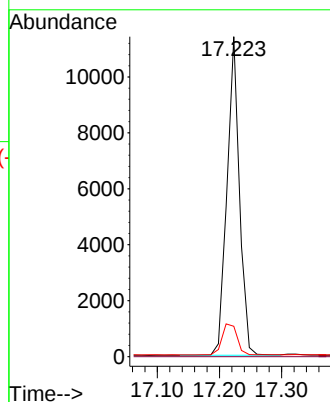
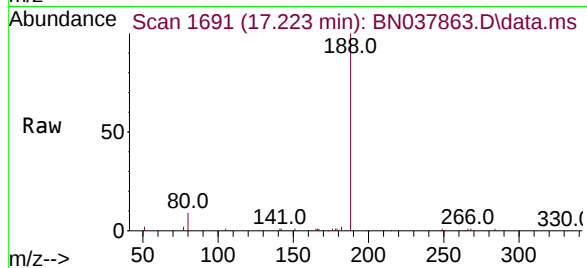
Tgt Ion:188 Resp: 15939

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.5 7.6 11.4



#20

4,6-Dinitro-2-methylphenol

Concen: 0.406 ng

RT: 15.597 min Scan# 1560

Delta R.T. 0.000 min

Lab File: BN037863.D

Acq: 23 Sep 2025 13:25

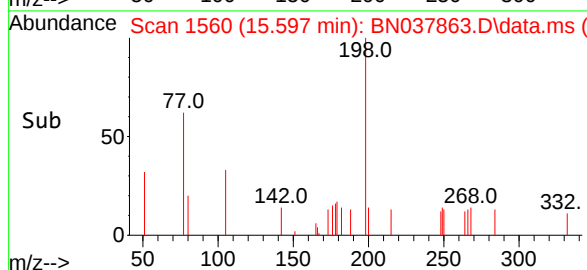
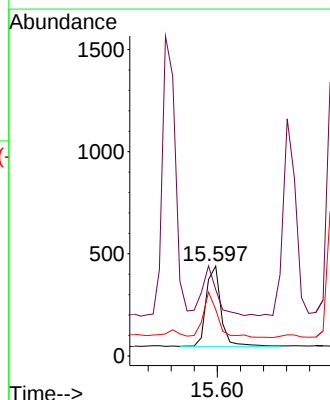
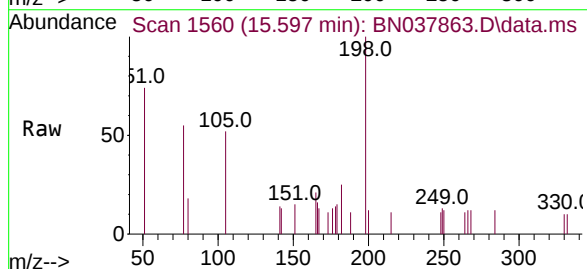
Tgt Ion:198 Resp: 696

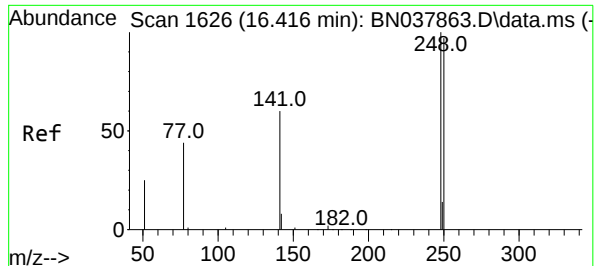
Ion Ratio Lower Upper

198 100

51 73.9 59.1 88.7

105 51.6 41.3 61.9

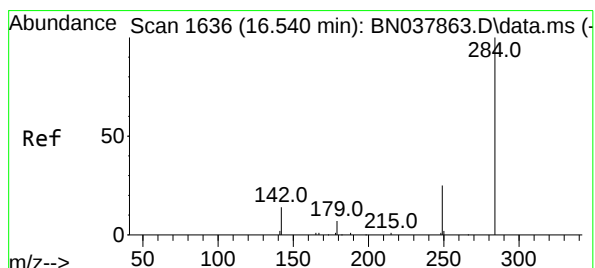
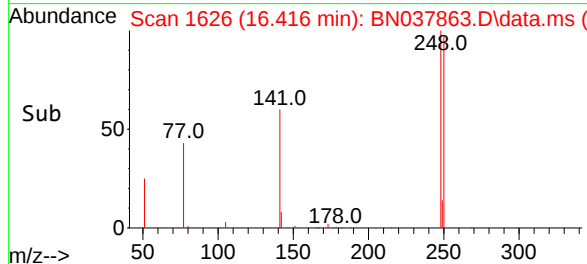
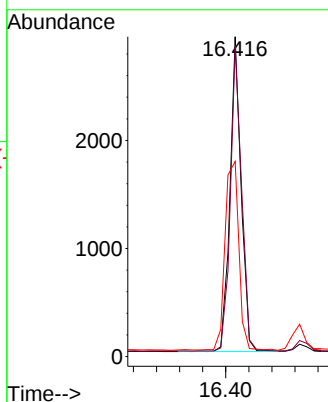
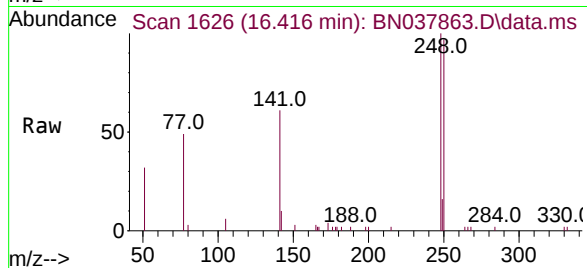




#21
4-Bromophenyl-phenylether
Concen: 0.375 ng
RT: 16.416 min Scan# 1626
Delta R.T. 0.000 min
Lab File: BN037863.D
Acq: 23 Sep 2025 13:25

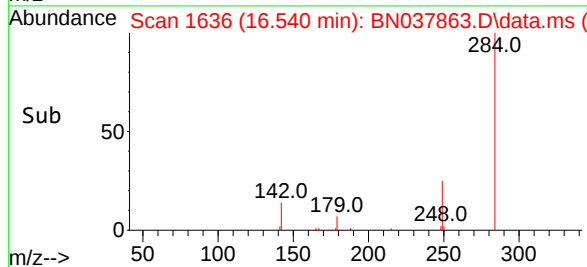
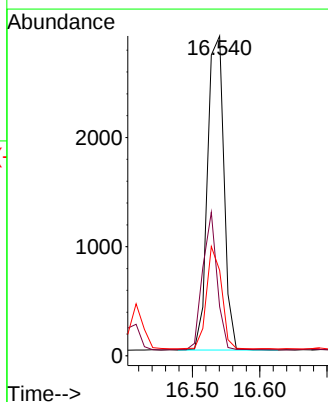
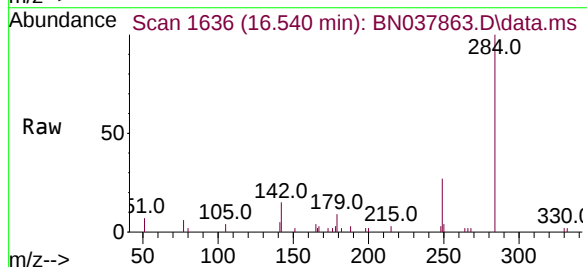
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

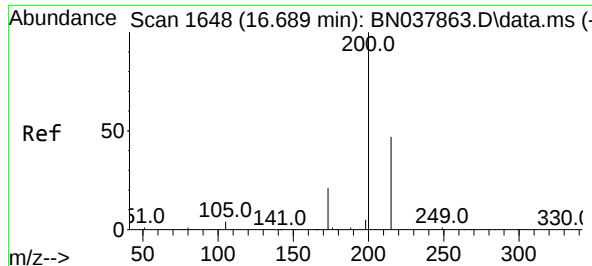
Tgt Ion	Ratio	Lower	Upper
248	100		
250	97.0	77.6	116.4
141	61.0	48.8	73.2



#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	Ratio	Lower	Upper
284	100		
142	38.6	30.9	46.3
249	29.9	23.9	35.9





#23

Atrazine

Concen: 0.346 ng

RT: 16.689 min Scan# 1648

Delta R.T. 0.000 min

Lab File: BN037863.D

Acq: 23 Sep 2025 13:25

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

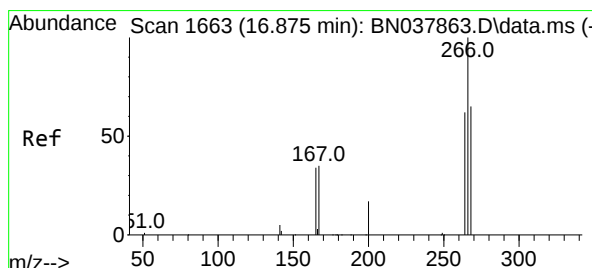
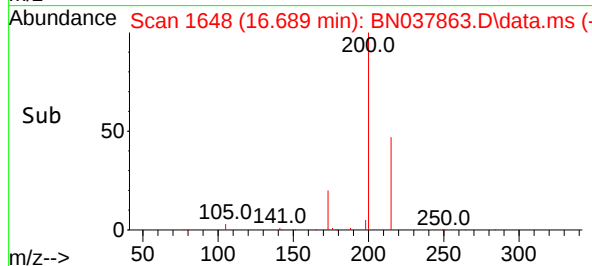
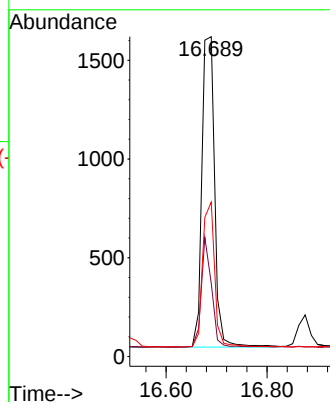
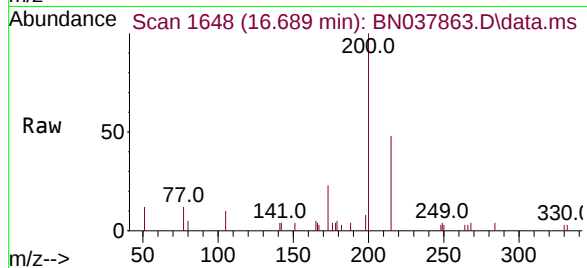
Tgt Ion:200 Resp: 2739

Ion Ratio Lower Upper

200 100

173 22.9 18.3 27.5

215 48.3 38.6 58.0



#24

Pentachlorophenol

Concen: 0.339 ng

RT: 16.875 min Scan# 1663

Delta R.T. 0.000 min

Lab File: BN037863.D

Acq: 23 Sep 2025 13:25

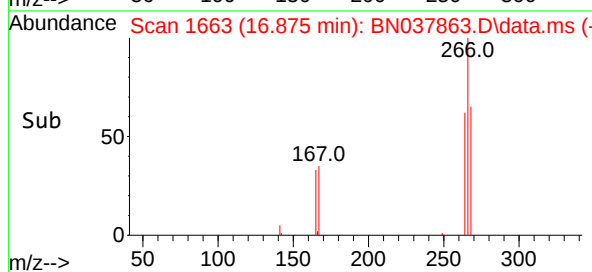
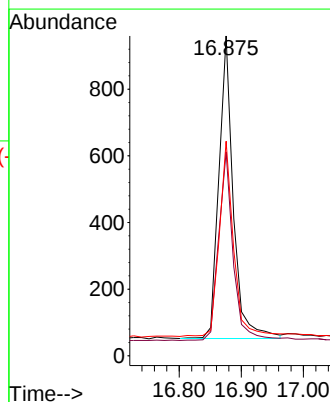
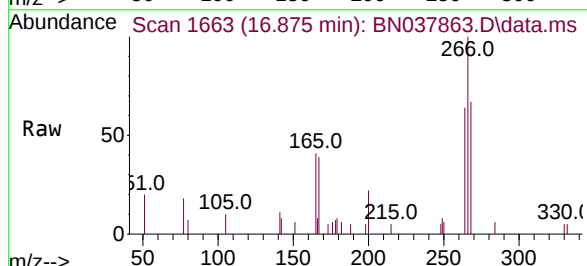
Tgt Ion:266 Resp: 1466

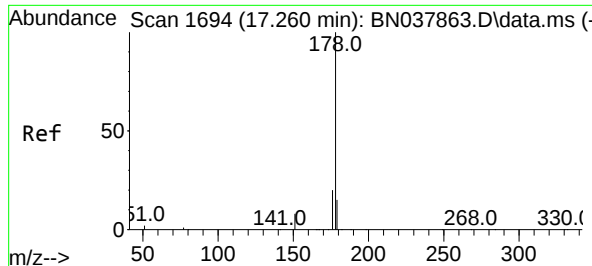
Ion Ratio Lower Upper

266 100

264 63.6 50.9 76.3

268 67.9 54.3 81.5





#25

Phenanthrene

Concen: 0.374 ng

RT: 17.260 min Scan# 1694

Delta R.T. 0.000 min

Lab File: BN037863.D

Acq: 23 Sep 2025 13:25

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

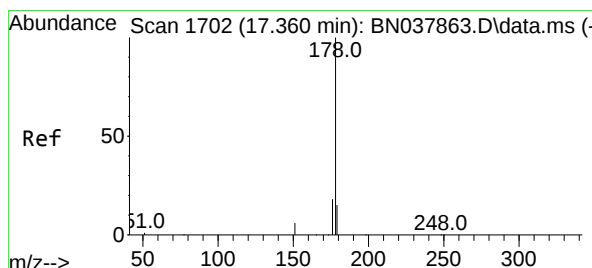
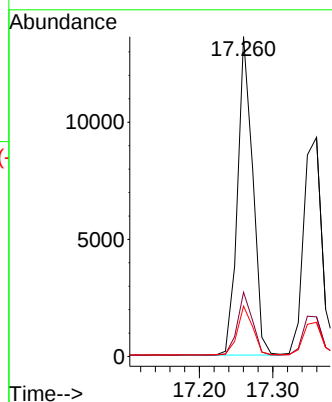
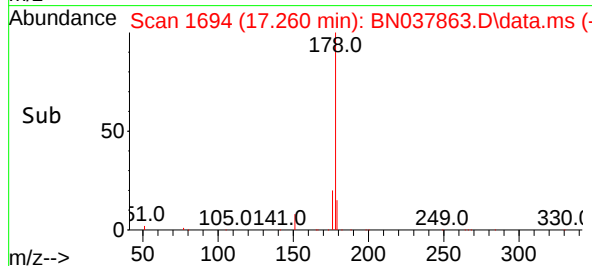
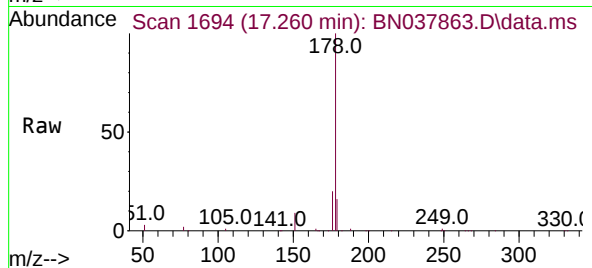
Tgt Ion:178 Resp: 19609

Ion Ratio Lower Upper

178 100

176 19.6 15.7 23.5

179 15.4 12.3 18.5



#26

Anthracene

Concen: 0.358 ng

RT: 17.360 min Scan# 1702

Delta R.T. 0.000 min

Lab File: BN037863.D

Acq: 23 Sep 2025 13:25

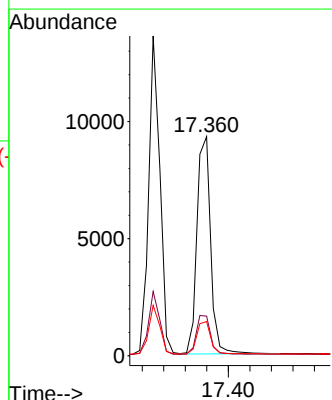
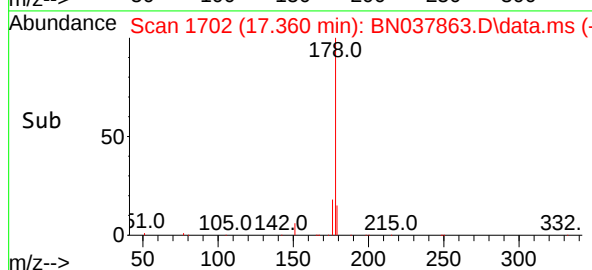
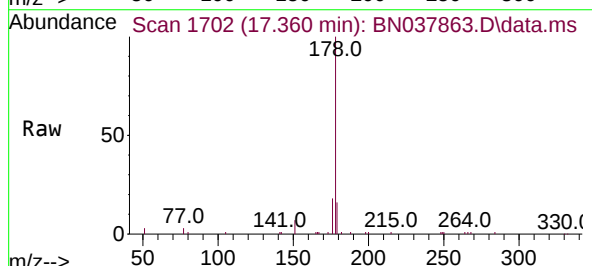
Tgt Ion:178 Resp: 16310

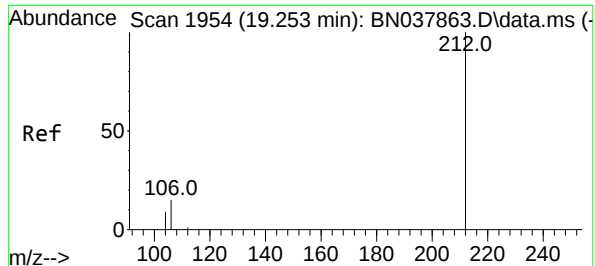
Ion Ratio Lower Upper

178 100

176 18.7 15.0 22.4

179 15.4 12.3 18.5





#27

Fluoranthene-d10

Concen: 0.352 ng

RT: 19.253 min Scan# 1954

Delta R.T. 0.000 min

Lab File: BN037863.D

Acq: 23 Sep 2025 13:25

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

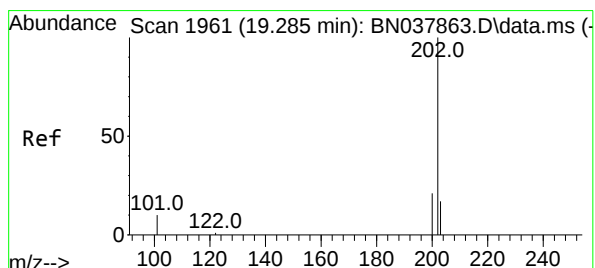
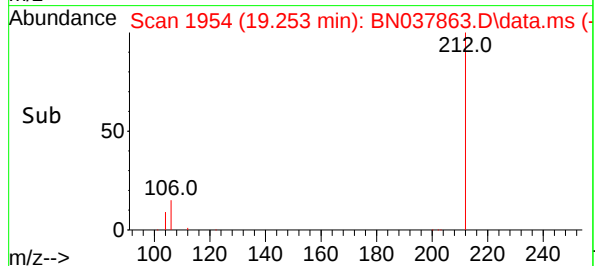
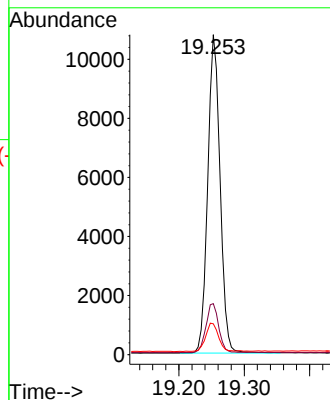
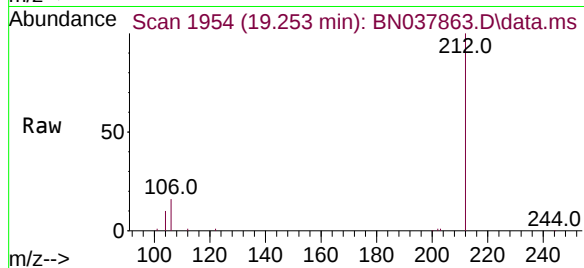
Tgt Ion:212 Resp: 14130

Ion Ratio Lower Upper

212 100

106 15.8 12.6 19.0

104 9.2 7.4 11.0



#28

Fluoranthene

Concen: 0.362 ng

RT: 19.285 min Scan# 1961

Delta R.T. 0.000 min

Lab File: BN037863.D

Acq: 23 Sep 2025 13:25

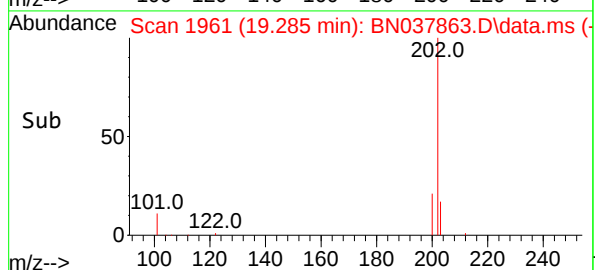
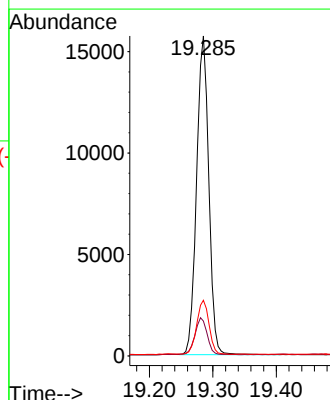
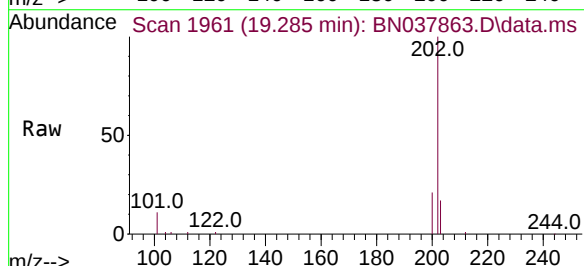
Tgt Ion:202 Resp: 20902

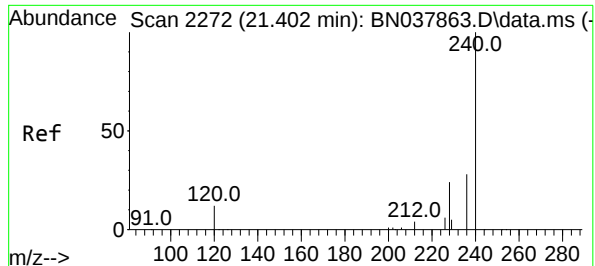
Ion Ratio Lower Upper

202 100

101 11.6 9.3 13.9

203 17.0 13.6 20.4





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.402 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN037863.D

Acq: 23 Sep 2025 13:25

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

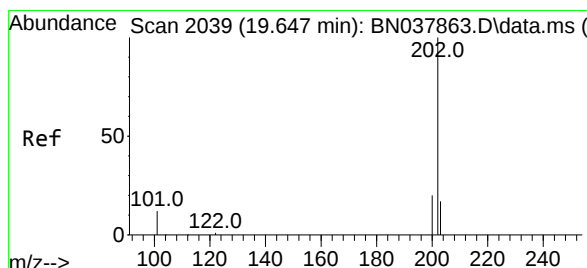
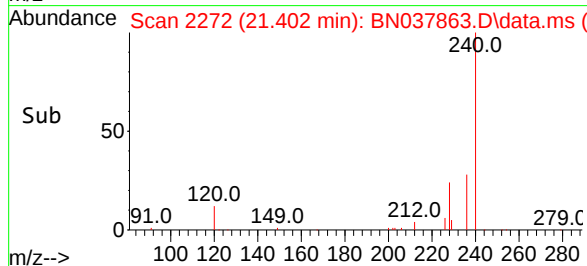
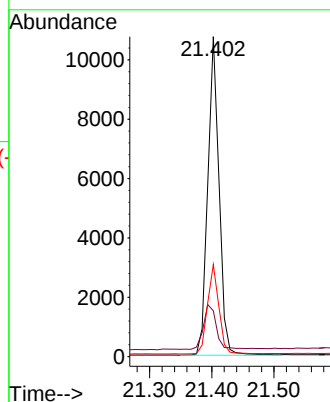
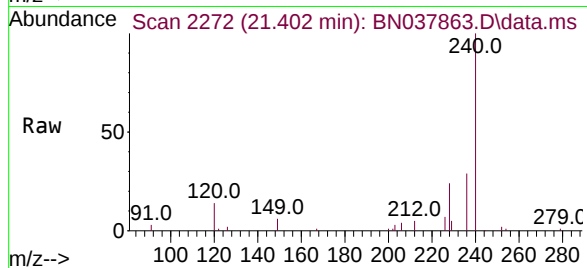
Tgt Ion:240 Resp: 13579

Ion Ratio Lower Upper

240 100

120 14.3 11.4 17.2

236 28.8 23.0 34.6



#30

Pyrene

Concen: 0.385 ng

RT: 19.647 min Scan# 2039

Delta R.T. 0.000 min

Lab File: BN037863.D

Acq: 23 Sep 2025 13:25

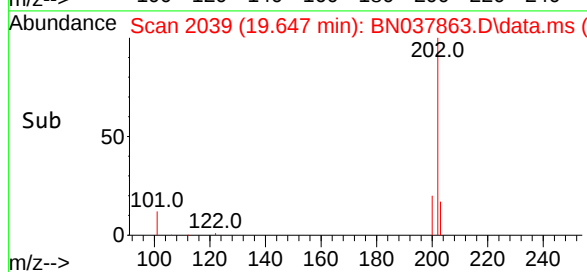
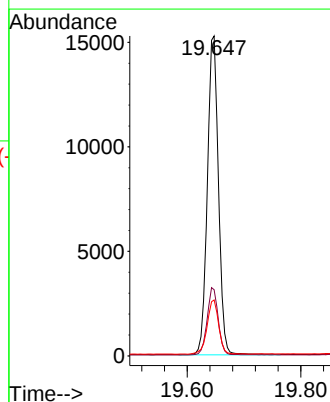
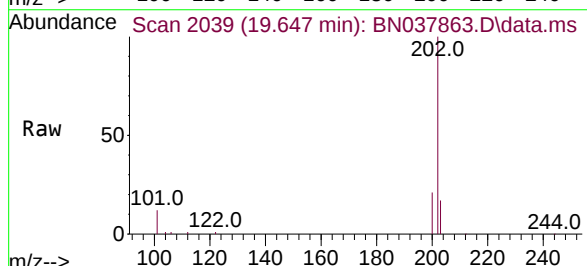
Tgt Ion:202 Resp: 20652

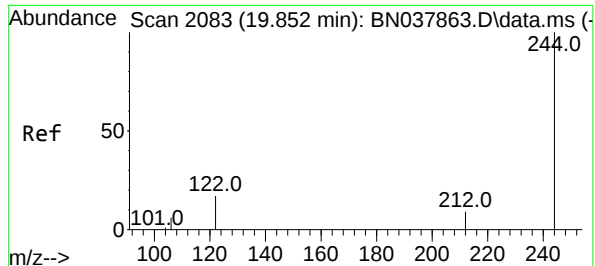
Ion Ratio Lower Upper

202 100

200 20.9 16.7 25.1

203 17.8 14.2 21.4





#31

Terphenyl-d14

Concen: 0.378 ng

RT: 19.852 min Scan# 2083

Delta R.T. 0.000 min

Lab File: BN037863.D

Acq: 23 Sep 2025 13:25

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

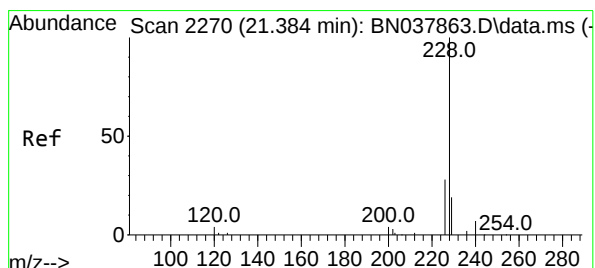
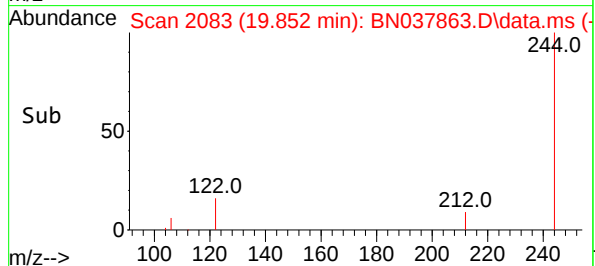
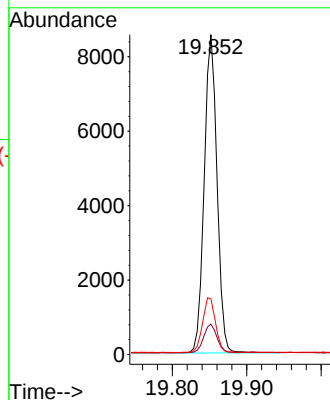
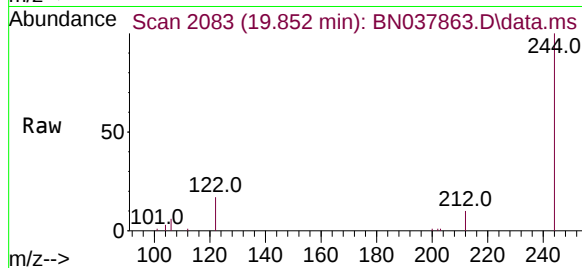
Tgt Ion:244 Resp: 10222

Ion Ratio Lower Upper

244 100

212 9.5 7.6 11.4

122 17.4 13.9 20.9



#32

Benzo(a)anthracene

Concen: 0.370 ng

RT: 21.384 min Scan# 2270

Delta R.T. 0.000 min

Lab File: BN037863.D

Acq: 23 Sep 2025 13:25

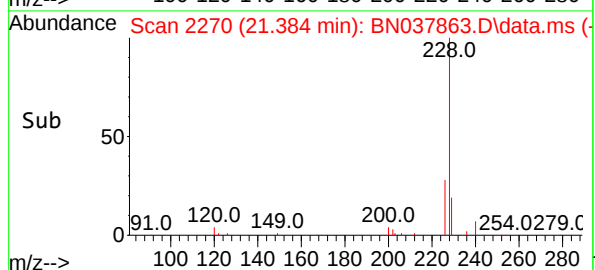
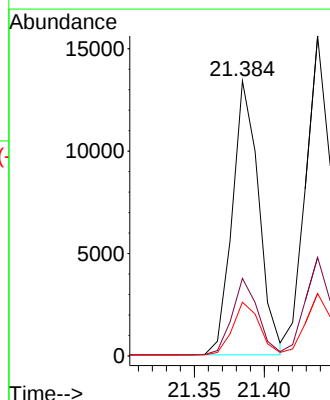
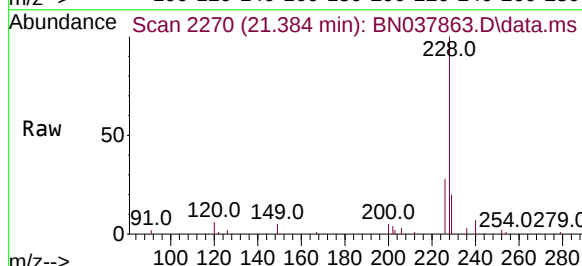
Tgt Ion:228 Resp: 17571

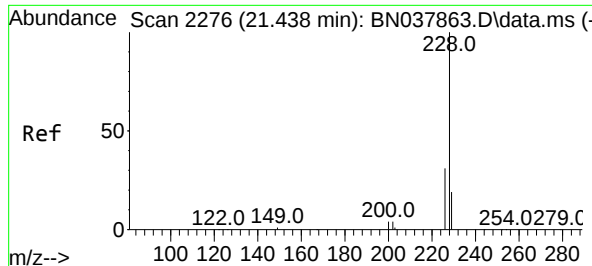
Ion Ratio Lower Upper

228 100

226 28.2 22.6 33.8

229 19.5 15.6 23.4





#33

Chrysene

Concen: 0.387 ng

RT: 21.438 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN037863.D

Acq: 23 Sep 2025 13:25

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

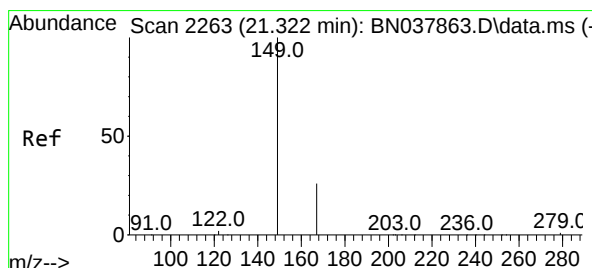
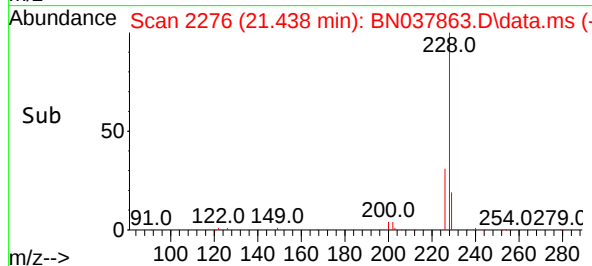
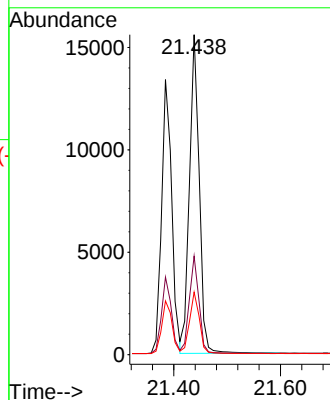
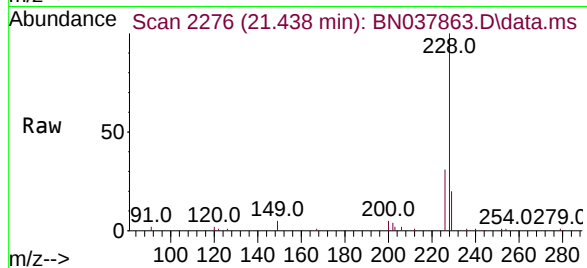
Tgt Ion:228 Resp: 19852

Ion Ratio Lower Upper

228 100

226 30.8 24.6 37.0

229 19.5 15.6 23.4



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.352 ng

RT: 21.322 min Scan# 2263

Delta R.T. 0.000 min

Lab File: BN037863.D

Acq: 23 Sep 2025 13:25

Tgt Ion:149 Resp: 6617

Ion Ratio Lower Upper

149 100

167 26.2 20.4 30.6

279 3.1 2.4 3.6

